



U.S. Department of the Interior
Bureau of Land Management

Environmental Assessment

DOI-BLM-WY-0000-2021-0003-EA

2023 Second Quarter Competitive Lease Sale

Bureau of Land Management
Wyoming State Office
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BLM e-Planning link:
[https://eplanning.blm.gov/eplanning-
ui/admin/project/2021772/510](https://eplanning.blm.gov/eplanning-ui/admin/project/2021772/510)

The BLM's multiple-use mission is to sustain the health and productivity of the public lands for the use and enjoyment of present and future generations. The Bureau accomplishes this by managing such activities as outdoor recreation, livestock grazing, mineral development, and energy production, and by conserving natural, historical, cultural, and other resources on public lands.

DOI-BLM-WY-0000-2023-0001-EA

**BLM Wyoming
Second Quarter Competitive Oil and Gas Lease Sale
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1.0 Introduction

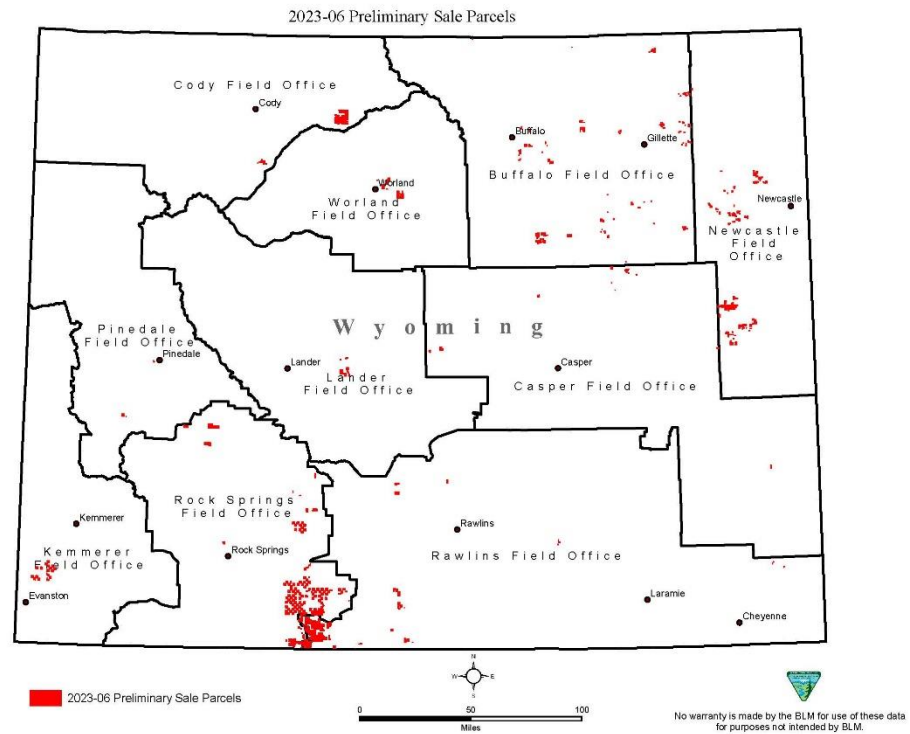
Introduction

In accordance with the Mineral Leasing Act of 1920 (MLA), as amended [30 U.S.C. § 181 et seq.], Federal Onshore Oil & Gas Leasing Reform Act of 1987 [30 U.S.C. § 181 et seq.] and Title 43 Code of Federal Regulations (CFR) 3120.1-2(a), the BLM Wyoming State Office (WSO) conducts a quarterly competitive oil and gas lease sale for lands that are eligible and available for leasing. A Notice of Competitive Oil and Gas Lease Sale (Sale Notice), which lists parcels to be offered at the auction, will be published by the WSO at least 45 days before each of the subject auction dates. Applicable lease stipulations for each parcel will be identified in the Sale Notices. The decision as to which public lands and minerals are open for leasing and what leasing stipulations may be necessary is made during the BLM's land use planning process in accordance with the Federal Land Policy and Management Act of 1976 (FLPMA) [43 U.S.C. § 1712]. Surface management for mineral extraction on non-BLM administered surface overlying Federal minerals is determined by the BLM in consultation with the appropriate surface management agency or the private surface owner when surface use is proposed by the leaseholder or its designated operator.

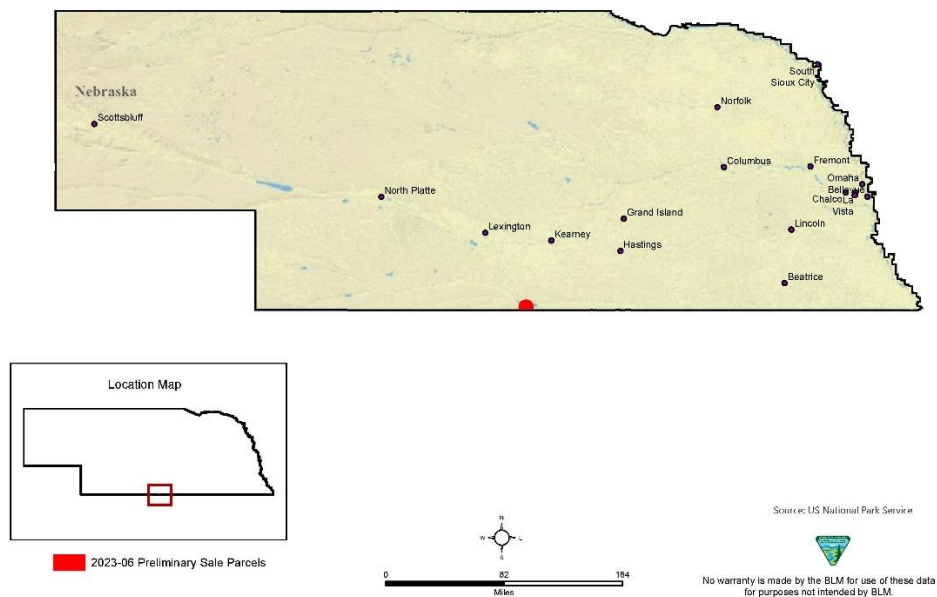
After the end of the nomination period, the WSO prepared a draft list of lease sale parcels (the "preliminary parcel list") for this portion of the sale. The WSO submitted the draft list of lease sale parcels to the applicable BLM field and district offices for initial review and processing. Interdisciplinary Teams (IDTs) in each field office, in coordination with their district office, reviewed the parcels to determine 1) if they are located in areas open to leasing under the approved RMP; 2) the appropriate stipulations required under the approved RMP; 3) whether new information or changed circumstances are present since the land use plan was approved; 4) necessary coordination requirements with other Federal or State agencies; and 5) if there are special conditions of which potential bidders should be made aware. The IDT relied on personal knowledge of the areas involved and reviewed existing databases (including Geographic Information System (GIS) data and digital aerial imagery) and file information to determine the appropriate stipulations. Where the BLM personnel determined field visits were necessary, field visits were made to those parcels where the BLM had legal access; results of any onsite visit is documented in the administrative record. No parcels analyzed in this EA required additional site visitation because after IDT review BLM determined existing information was sufficient to support the decision to offer the parcels.

This Environmental Assessment (EA) has been prepared to document compliance with National Environmental Policy Act (NEPA). Recent changes to Council on Environmental Quality (CEQ) regulations implementing the procedural provisions of NEPA reinstated previous definitions concerning direct, indirect and cumulative effects as defined under 40 CFR 1508.1 (g)(3). Potential effects, through implementation of this project, are discussed within this EA.

Figure 1. 2023 Second Quarter Competitive Lease Sale Parcels



2023-06 Preliminary Sale Parcels In Nebraska



1.1 Background

BLM is responsible for oil and gas leasing on about 700 million acres of BLM, national forest, and other Federal lands, and seeks to ensure that mineral resources are developed in an environmentally responsible manner.

In accordance with the MLA and 43 CFR § 3120.1-2, the BLM WSO conducts quarterly competitive oil and gas lease sales for lands that are eligible and available. Private individuals or entities may file Expressions of Interest (EOIs) to suggest parcels for consideration for leasing by the BLM. The authorized officer also may identify lands for leasing consideration. Additional information on the competitive lease sale process is available on-line at: <https://www.blm.gov/programs/energy-and-minerals/oil-and-gas/leasing>

The offering and subsequent issuance of oil and gas leases, in and of itself, does not cause or directly result in any surface disturbance. The BLM cannot determine, prior to conducting a lease sale, whether a proposed parcel actually will be leased, or if it is subsequently leased, whether the lease will be explored or developed.

Once a parcel is sold and the lease is issued, the lessee has the right to use the leased lands to explore and drill for all of the oil and gas within the lease boundaries, subject to the stipulations attached to the lease, restrictions derived from specific nondiscretionary statutes, and other reasonable measures to minimize adverse impacts (see 43 § CFR 3101.1-2). Further, relevant regulations at 43 CFR § 3162.5-1(a) provide: “The operator shall conduct operations in a manner which protects the mineral resources, other natural resources, and environmental quality. In that respect, the operator shall comply with the pertinent orders of the authorized officer and other standards and procedures as set forth in the applicable laws, regulations, lease terms and conditions, and the approved drilling plan or subsequent operations plan. Before approving any Application for Permit to Drill (APD) submitted pursuant to § 3162.3-1 of this title, or other plan requiring environmental review, the authorized officer shall prepare an environmental record of review or an environmental assessment, as appropriate. These environmental documents will be used in determining whether or not an environmental impact statement is required and in determining any appropriate terms and conditions of approval of the submitted plan.” Accordingly, the BLM can subject development of existing leases to reasonable conditions to minimize impacts to other resources, through the application of Conditions of Approval (COAs) at the time of permitting. Any constraints must conform with the applicable land use plan and be consistent with rights granted to the holder under the lease. In addition, upon cessation of lease operations, the lessee must plug the well(s) and abandon any facilities on the lease. The surface must also be reclaimed to the satisfaction of the BLM authorized officer, in accordance with the MLA, Section 17g [30 U.S.C. § 226(g)].

Oil and gas leases are issued for a 10-year period and continue for so long thereafter as oil or gas is produced in paying quantities. If a lessee fails to produce oil or gas, does not make annual rental payments, does not comply with the terms and conditions of the lease, or relinquishes the lease, the lease may terminate or be cancelled, and BLM may consider offering the lands for lease at another lease sale after a new review process.

1.2 Purpose and Need

It is the policy of the BLM as derived from various laws, MLA and FLPMA to make mineral resources available for disposal and to encourage development of mineral resources to meet national, regional, and local needs. Continued sale and issuance of lease parcels in conformance with the approved RMPs would allow for continued production of oil and gas from public lands and reserves.

The need is to respond to Expressions of Interest, as established by the Federal Onshore Oil & Gas Leasing Reform Act of 1987 (FOOGLRA), MLA, and FLPMA.

1.2.1 Decisions to Be Made

BLM will decide, based on this analysis, whether to make parcels available for lease and what stipulations will be placed on those parcels, in conformance with the approved RMPs.

1.3 Tiering and Conformance with BLM Land Use Plans and Other Environmental Assessments

Pursuant to 40 CFR § 1501.11, this EA tiers to the Final Environmental Impacts Statements (FEISs) prepared for each Field Office (FO) Resource Management Plan (RMP), and any subsequent amendments or updates, and incorporates by reference the relevant portions of the FEISs. The impacts analysis in the FEISs for the effects from oil and gas leasing and development incorporates the Reasonably Foreseeable Development (RFD) scenarios (i.e., the level of oil and gas development projected for the life of the plan based on historically and projected trends).

The sale and issuance of the leases conforms to the approved RMPs (43 CFR § 1610.5) and Records of Decision (RODs) for the applicable planning areas, as amended or updated, including:

High Plains District (HPD)

The Casper Field Office (CFO) RMP ROD approved on December 7, 2007 (supported by June 2007 FEIS), as amended by the Record of Decision and Bureau of Land Management Casper, Kemmerer, Newcastle, Pinedale, Rawlins, and Rock Springs Field Offices Approved Resource Management Plan Amendment (ARMPA) for Greater Sage-Grouse approved on September 21, 2015 (supported by May 2015 FEIS).

The Newcastle Field Office (NFO) RMP ROD approved on August 25, 2000 (supported by June 1999 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The NFO Nebraska RMP ROD approved on May 13, 1992 (supported by the NFO Nebraska September 1991 FEIS)

The Buffalo Field Office (BFO) Buffalo/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS), as amended by the Buffalo Field Office Record of Decision and Approved Resource Management Plan Amendment (November 22, 2019).

Wind River/Bighorn Basin District (WR/BBD)

The Lander Field Office (LFO) RMP ROD signed on June 26, 2014 (supported by February 2013 FEIS).

The Cody Field Office (CYFO) Bighorn Basin/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS).

The Worland Field Office (WFO) Bighorn Basin/Rocky Mountain Region RMP ROD approved on September 21, 2015 (supported by May 2015 FEIS).

High Desert District (HDD)

The Rawlins Field Office (RFO) RMP ROD approved on December 24, 2008 (supported by January 2008 FEIS) as amended by the ARMPA (supported by May 2015 FEIS).

The Green River (Rock Springs Field Office (RSFO)) RMP ROD approved on August 8, 1997 (supported by April 1996 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The Pinedale Field Office (PFO) RMP ROD approved on November 26, 2008 (supported by August 2008 FEIS), as amended by the ARMPA (supported by May 2015 FEIS).

The Kemmerer Field Office (KFO) RMP ROD approved on May 24, 2010 (supported by August 2008 FEIS), as amended by the ARMPA (supported by May 2015 FEIS)

The FO RMPs include allocation decisions which identify lands as either open or closed to fluid mineral leasing, and (if open) provide stipulations that are attached to new leases to mitigate effects of potential development operations.

This EA discloses the affected environment (including the reasonably foreseeable environmental trends and planned actions in the area), analysis of potential impacts not already considered in the EISs to which this EA tiers, and potential mitigation of those impacts. The EA provides information for BLM to determine whether this project would have significant impacts not already disclosed and analyzed in other NEPA documents, warranting an EIS. The RMP EISs have already evaluated potentially significant impacts arising from the BLM's land use planning decisions. See 43 CFR § 46.140(c). Based on this EA, the BLM may issue a "finding of no significant impacts" (FONSI), if no significant impacts are identified. If a FONSI is reached, a Decision Record (DR) may be signed

approving the selected alternative, which could be the proposed action, the no-action alternative, or a combination thereof.

1.4 Relationship to Statutes, Regulations, and Other Plans or Decisions

The proposed action and alternatives are consistent with other plans, programs, and policies of other federal agencies, the State of Wyoming, local governments, and affected Tribes, to the extent practical, including but not limited to the following:

Federal Land Policy and Management Act of 1976, as amended [43 U.S.C § 1701 et seq.] Mineral Leasing Act of 1920, as amended [30 U.S.C. § 181 et seq.]
Federal Onshore Oil & Gas Leasing Reform Act of 1987 [30 U.S.C. § 181 et seq.] The National Environmental Policy Act [42 U.S.C. 4321 et seq.]
Clean Air Act [42 U.S.C. § 1857 et seq.], as amended and recodified [42 U.S.C. § 7401 et seq.] Clean Water Act [33 U.S.C. § 1251 et seq.]
Endangered Species Act [16 U.S.C. § 1531 et seq.]
Executive Order (EO) 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations
Migratory Bird Treaty Act [16 U.S.C. § 703 et seq.] National Trails Systems Act [16 U.S.C. § 1241 et seq.]
National Landscape Conservation System Act [16 U.S.C. § 7202]
National Historic Preservation Act of 1966, as amended [54 U.S.C. § 300101 et seq.] Protection of Historic Properties (36 CFR § 800)
Native American Graves Protection and Repatriation Act of 1990 [25 U.S.C. § 3001 et seq.] and 43 CFR § 10
American Indian Religious Freedom Act of 1978 [42 U.S.C. 1996]
Native American Trust Resource Policy standards are presented in the Department of the Interior Comprehensive Trust Management Plan dated March 28, 2003
Wild and Scenic Rivers Act of 1968, as amended [16 U.S.C. § 1271 et seq.]
Bald and Golden Eagle Protection Act of 1940, as amended [16 U.S.C. § 668 et seq.] Paleontological Resources Preservation Act of 2009 [16 U.S.C. § 470aaa et seq.]
Greater Sage-grouse Record of Decision and Land Use Plan Amendments and Revisions for the Rocky Mountain Region, 2015 (United States Department of Agriculture, Forest Service)
USFS Supplemental Information Report to the Biological Assessment and Evaluation for Revised Land and Resource Management Plans and Associated Oil and Gas Leasing Decisions, 2018

1.5 Scoping

To identify preliminary issues for analysis (see the BLM's NEPA Handbook H-1790-1 at page 41), the BLM conducted internal scoping. The BLM personnel listed in Appendix 4.4 provided information and input for this EA. Through the BLM's internal scoping, and in light of the numerous EAs the BLM has prepared for oil and gas lease sales in Wyoming, this EA incorporates by reference the analysis of issues previously addressed in the RMP FEISs, to which it tiers.

BLM Wyoming personnel also conferred with the Wyoming Game and Fish Department (WGFD) in accordance with an interagency Memorandum of Understanding. BLM Wyoming also conferred with the United States Forest Service (USFS) regarding nominated parcels in which the USFS is the surface management agency. For these specific parcels, the BLM received lease parcel stipulations from the USFS and have attached those stipulations accordingly (see Appendix 5.1).

In addition, BLM conducted a 30-day public scoping period which began on October 6, 2022. The main issues identified through public scoping included, but were not limited to, leasing in Greater Sage-Grouse habitat, big game habitat and migrations corridors and potential emissions impacts. Comments received through the public scoping process were incorporated into this document.

1.6 Public Participation

Formal public participation was initiated when the original parcel list (209 parcels) was posted to the ePlanning database on October 6, 2022 (<https://eplanning.blm.gov/eplanning-ui/project/2021772/510>). A news release was issued on October 6, 2022, notifying the public that the parcels were being posted for a 30-calendar day public scoping period. A news release was issued on December 22, 2022, notifying the public that this EA was being posted on the BLM Wyoming website for a 30-calendar day public comment period. As required by BLM leasing policies, where parcels include split estate lands, the BLM WSO sent notification letters to the surface owner(s) identified by the party submitting the EOI.

After the public comment period BLM will review and address all substantive comments on the EA before issuing a decision on which parcels will be offered at the lease sale.

In November 2021, the Department of the Interior released a Report on the Federal Oil and Gas Leasing Program (Report). The Report made specific recommendations to address documented deficiencies in the program to meet three programmatic goals:

- Providing a fair return to the American public and States from Federal management of public lands and waters, including for development of energy resources;
- Designing more responsible leasing and development processes that prioritize areas that are most suitable for development and ensure lessees and operators have the financial and technical capacity to comply with all applicable laws and regulations; and
- Creating a more transparent, inclusive, and just approach to leasing and permitting that provides meaningful opportunity for public engagement and Tribal consultation.

The Report also recommends: As an overarching policy, BLM should ensure that oil and gas is not prioritized over other land uses, consistent with BLM's mandate of multiple-use and sustained yield. The BLM should carefully consider what lands make the most sense to lease in terms of expected yields of oil and gas, prospects of earning a fair return for U.S. taxpayers, and conflicts with other uses, such as outdoor recreation and wildlife habitat. The BLM should always ensure it is considering the views of local communities, Tribes, businesses, State and local governments, and other stakeholders. While the leasing decisions for this lease sale result from the BLM's exercise of its discretion based on its analysis and review of the record, they are also consistent with the recommendations in the Report, as well as numerous reports issued by the Governmental Accountability Office and Congressional Budget Office, including: ensuring public participation and Tribal consultation, addressing conflicts with other resources, avoiding lands with low potential for oil and gas development, focusing leasing near existing development and ensuring a fair return to taxpayers. This lease sale and NEPA process includes a 30-day scoping period, 30-day comment period on the environmental assessment. The BLM has also ensured applicable Tribal consultation is current. The BLM's leasing decisions will take into account public comments received during this process and will further evaluate points raised in any protests received.

On February 11, 2022, the United States District Court for the Western District of Louisiana issued an order that, in general, enjoined the Department, among other agencies, from taking action in connection with Section 5 of Executive Order 13990 and the Interagency Working Group ("IWG") established by that Order relating to the measurement of the Social Cost of Greenhouse Gases.

Because this proposed sale relies upon the IWG and Section 5 of the Executive Order, the District Court's injunction precluded the Department from advancing this and similar proposed sales. On March 16, 2022, the Court of Appeals for the Fifth Circuit stayed the injunction pending appeal. *Louisiana by & through Landry v. Biden*, No. 22-30087, 2022 WL 866282 (5th Cir. Mar. 16, 2022).

Previously, on January 27, 2022, the United States District Court for the District of Columbia issued a decision in *Friends of the Earth v. Haaland*, vacating offshore oil and gas lease sale 257 because the Department did not quantify the effects of that sale on emissions from the foreign consumption of oil and gas, despite (in the Court’s view) possessing the tools and methodology to do so. 2022 WL 254526 (D.D.C. Jan. 27, 2021). Given the analysis presently available to BLM, *Friends of the Earth* does not affect BLM’s analysis of this proposed lease sale.

Unlike the Bureau of Ocean Energy Management (“BOEM”)—the agency responsible for sale 257—the Bureau of Land Management has not traditionally used simulation tools like MarketSim (the tool at issue in *Friends of the Earth* and used by BOEM in preparation for sale 257) when evaluating effects on foreign consumption from proposed BLM State Office lease sales. Indeed, the *Friends of the Earth* Court recognized that it had previously upheld BLM’s decision not to consider foreign effects where BLM had “refused to quantify emissions resulting from particular lease parcels, and thus could not conceptualize the extent to which the lease sales would contribute to the local, regional, and global climate change.” 2022 WL 254526, at *13 n.13 (quotation omitted). Likewise, the Court ruled against BOEM for forgoing the foreign consumption analysis for sale 257 in part because BOEM shortly thereafter applied that analysis to a draft NEPA analysis for proposed offshore sale 258. The court’s reasoning does not apply to BLM, which, as noted above, lacks access to any historic or imminent foreign effects analysis at the level of individual BLM State Office lease sales. If and when BLM undertakes this or similar analysis in the future, it may be appropriate to include and consider that analysis when proposing onshore lease sales.

Oil and Gas Program Administration:

As the steward of onshore Federal energy resources, including deposits of oil and gas, the BLM is responsible for balancing conservation, energy production, and generating a fair return to the public for the extraction of public resources. Revenue from Federal oil and gas development is distributed to several Federal programs, as well as being shared with the States in which the oil and gas development occurs. At the same time, energy development can pose significant risks to the environment. The BLM is charged with balancing these competing considerations in a manner that best serves the public interest.

For all competitively issued leases, the Mineral Leasing Act (MLA) requires a royalty “at a rate of not less than 12.5 percent in amount or value of the production removed or sold from the lease.” 30 U.S.C. § 226(b)(1)(A); see also 30 U.S.C. § 352 (applying that requirement to leases on acquired land). Although the BLM is authorized by the MLA and its implementing regulations (43 C.F.R. 3103.3-1(a)(2)(ii)) to specify a royalty rate higher than 12.5 percent for competitive leases, the MLA sets a flat 12.5 percent royalty rate for noncompetitive leases. 30 U.S.C. § 226(c); 30 U.S.C. § 352 (acquired lands).

On August 16, 2022, the Inflation Reduction Act (Act) was signed into law. Section 50262 discusses how this Act affects oil and gas leasing and the fees associated. Of those fees and topics addressed in the Act, any fees associated with royalty rates, minimum bid amount (from \$2 per acre to \$10 per acre), annual rental amounts, reinstatements, reinstatement rental fees, expression of interest (EOI), do not impact the analysis of this EA. The minimum bid amount and the royalty rates increases are addressed within the EA. For the minimum bid amount, 49% of the total amount per parcel is provided to the state, while the federal government retains 51%. For royalty rates, the new rate is 16.67%. This is split equally between the state (8.335%) and the federal government (8.335%).

In addition, the Act also included language regarding the issuance of a right-of-way for wind or solar energy projects. The Act (Section 50265) states, “the Secretary may not issue a right-of-way for wind or solar energy development on Federal land unless (A) an onshore lease sale has been held during the 120-day period ending on the date of the issuance of the right-of-way for wind or solar energy development; and the sum total of acres offered for lease in onshore lease sales during the 1-year period ending on the date of the issuance of the right-of-way for wind or solar energy development is not less than the lesser of (i) 2,000,000 acres; and (ii) 50 percent of the acreage for which expressions of interest have been submitted for lease sales during that period...” To be in compliance with Sec. 50265 of the Act, BLM must have held an onshore oil and gas lease sale within the previous 120 days prior to issuance of a wind or solar right-of-way. In addition, either a sum total of 2,000,000 acres or 50% of the acreage nominated through expressions of interest (whichever is lesser) must be offered for sale through the competitive lease sale process. BLM is in the process of completing guidance in order to calculate/report these numbers.

1.8 Issues Identified for Analysis

Analysis issues include resource issues that could potentially be affected by oil and gas leasing. The BLM focuses its analysis on changes to the human environment from the proposed action or alternatives that are reasonably foreseeable and have a reasonably close causal relationship to the proposed action or alternatives, including those effects that occur at the same time and place as the proposed action or alternatives and may include effects that are later in time or farther removed in distance from the proposed action or alternatives (40 CFR 1508.1(g)). Consistent with 43 CFR § 3120.3 and § 3120.4-1, the BLM identified site-specific resource concerns and lease stipulations for proposed parcels through a preliminary review process conducted prior to a public scoping period. The following resources/issues are analyzed in detail in this EA:

Air Resources

How would future potential development of nominated lease parcels contribute to greenhouse gas (GHG) emissions and climate change and what quantities of GHG emissions (including upstream, midstream, and downstream) are anticipated?

Water Resources

What are the effects of potential oil and gas development, including hydraulic fracturing, on parcels that may be offered for lease on surface and groundwater quality and quantity?

Greater Sage-Grouse

What are the effects to sage-grouse habitats and populations if the parcels nominated for the March 2022 lease sale are leased and subsequently developed for oil or gas production?

Big Game Species

What are the effects from potential oil and gas development on parcels that may be offered for lease to big game habitats and populations within state identified crucial winter range and designated migration corridors?

Lands with Wilderness Characteristics

What are the effects of potential oil and gas development, including hydraulic fracturing, on parcels that may be offered for lease to lands with wilderness characteristics?

Socioeconomics, Environmental Justice, and Public Health and Safety

What are the effects of potential oil and gas development, including hydraulic fracturing, on parcels that may be offered for lease on Socioeconomics, Environmental Justice, and Public Health and Safety?

1.9 Issues Eliminated from Further Analysis

The following resources/issues are either not present or did not warrant detailed analysis and not considered in this EA: lands and realty conflicts, locatable and saleable minerals, forest and woodland, cave and karst resources, wilderness study areas, Master Leasing Plans, and wild and scenic rivers. Other resource issues BLM considered but eliminated from further analysis due to environmental impacts previously analyzed through prior NEPA reviews and/or lease notices or stipulations that were applied to avoid and minimize impacts are discussed below:

Cultural and Heritage Resources: Cultural and Heritage resources include traditions cultural properties and historic trails. All parcels addressed in this EA have the potential to contain surface and buried archaeological materials or may be in an area which could affect the setting of known or unknown historic sites, and/or Traditional Cultural Properties (TCPs). Once the decision is made by the lessee to develop a lease, an area-specific cultural records review would be completed to determine if there is a need for a cultural inventory of the areas of proposed

surface disturbance. Generally, a cultural inventory will be required before new surface disturbance and all historic and archaeological sites that are eligible for listing in the National Register of Historic Places would be either avoided by the undertaking, have adverse effects to sites minimized or mitigated, or have the information in the sites extracted through archaeological data recovery.

The application of lease terms, cultural resource lease stipulations and the cultural resource lease notices (See Appendix 5.1 for parcels with specific cultural resource stipulations and/or paleontological stipulations. In addition, Lease Notice No. 2, and Lease Stipulation No. 1) at leasing provides protection to cultural and heritage resources, paleontology, traditional cultural properties, and historic trails. The BLM will not approve any ground disturbing activities that may affect such properties or resources until it completes its obligations associated with the stipulations that are applied to each respective parcel as well as applicable requirements of the National Historic Preservation Act and any other authorities. The BLM may require modification to exploration or development proposals to protect such properties or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated

Paleontology: The application of lease terms and the paleontological lease notices (Appendix 5.1) at leasing provides protection to paleontological resources. Leased lands that fall into this category could require professional assessment which may include a field survey prior to surface disturbance. The results of the assessment and survey by a BLM-permitted paleontologist will serve as the basis for a mitigation plan during development. If the inventory resulted in the identification of paleontological resources, mitigation measures may include avoidance, professional monitoring or spot checking, development of an Unanticipated Resource Discovery Plan, and salvage. These mitigation measures would be initiated by BLM and the operator.

Soils: The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to soils. Prior to authorization of surface disturbance on a lease, the BLM will require the lessee or their designated operator to submit a Surface Use Plan of Operations to the BLM. The requirements in the BLM-Wyoming Reclamation Policy would be implemented for all surface-disturbing activities. Stabilization and reclamation of disturbed areas (both interim and final) will be required, in accordance with Onshore Oil and Gas Order No. 1. Site-specific, ground-truthed soils data will be provided if and when any associated ground-disturbing activity (drill pad construction or pipeline installation) is proposed. As required in the applicable RMPs, surface disturbance may be restricted or prohibited on steep slopes and within floodplains. Lease Notice No. 1 addresses surface disturbance on slopes greater than 25 percent and is applied to all parcels. Additional stipulations to protect soils can be found in Appendix 5.1.

Vegetation: Vegetation resources will not be impacted to the degree that will require detailed analysis in this EA. This proposed sale and issuance of an oil and gas leases would not authorize any ground disturbances which could affect vegetation resources. Leasing is an administrative action that does not result in any surface disturbance. Site-specific effects cannot be analyzed until an exploration or development application is received, after leasing has occurred. There would be no impacts to vegetation resources through sale of leases. There is some expectation that exploration or development could occur, at which time additional NEPA would be conducted should an APD be filed. The applied lease stipulations and notices will notify buyers during sale of leases and allow for the opportunity to make adjustments at the site-specific level when an APD is received and will ensure impacts are addressed. Future development proposals on the leases would be subject to the standard lease terms, and all applicable laws, regulations and onshore orders in existence at the time of lease issuance.

Visual Resources: BLM is required to manage for visual resources on BLM owned surface lands. Each RMP contains Visual Resource Management (VRM) requirements and considerations specific for the geographical location to which they apply. VRM practices and standards will be implemented consistent with the respective RMP they are subject to. New oil and gas development would implement, as appropriate for the site, Best Management Practices (BMPs) to maintain visual qualities where possible. This includes, but would not be limited to, proper site selection, reduction of visibility, minimizing disturbance selecting color(s)/color schemes that blend with the background and reclaiming areas that are not in active use. Repetition of form, line, color and texture when designing projects would reduce contrasts between landscape and development. Where applicable, VRM lease stipulations are applied to the proposed parcels in conformance with the approved RMPs (Appendix 5.1). The

application of a stipulation would be sufficient at the leasing stage to notify operators that additional measures may be necessary to reduce visual impacts from potential future development (at the APD stage). This provides for the protection and conservation of the visual resources on public lands, as classified by FLPMA regarding BLM-authorized activities.

Recreation: No direct impacts to recreational opportunities would occur as a result of offering leases for sale. The leasing action would be considered in compliance with all relevant recreation regulations, protocols and policies. Impacts on recreation from potential future exploration and development would be analyzed at the APD stage and included design features, and mitigation would be integrated to avoid or minimize potential impacts to recreation consistent with the RMP for the respective planning area.

Wildlife:

Fish and Special Status Species (Plants and Vertebrate and Invertebrate Wildlife): The BLM screened parcels for plants and wildlife species which may be impacted if a lease parcel is sold and subsequently developed. Stipulations were applied to parcels that contain habitat for these species according to the field office RMP (see Appendix 5.1). BLM also reviewed each proposed lease parcel for special status species and threatened and endangered species (see next three paragraphs for further detail).

Threatened and Endangered Species: In additions to the appropriate RMP stipulations, the BLM applies Standard Lease Stipulation No. 2 to all parcels (see Appendix 5.1.1), which states that the BLM may require modifications to, or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. The BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 *et seq.*, including completion of any required procedure for conference or consultation. At this time, none of the proposed parcels contain designated critical habitat for any of the threatened or endangered species in Wyoming. However, all parcels are located in an ‘area of influence’ as designated by the U.S. Fish and Wildlife Service. Any surface disturbing activities that may be proposed on any of these parcels (if sold) will be further evaluated for impacts to T&E species at the time of proposal.

Special Status Species: The Federal Land Policy and Management Act of 1976, Section 102.8, requires environmental resources to be managed to provide food and habitat for fish and wildlife. The Sikes Act instructs agencies to develop, maintain, and coordinate programs for the conservation and rehabilitation of wildlife, fish and game (16 U.S.C. § 670 *et seq.*, section 670h). The DOI Manual 632 and BLM Manual 6840 requires conservation of special status species and the ecosystems upon which they depend on BLM-administered lands. BLM special status species are those listed or proposed for listing under the ESA, and species requiring special management consideration to promote their conservation and reduce the likelihood and need for future listing under the ESA. Instructional Memorandum No. WY IM-2010-027 provides the plant and wildlife Species lists for BLM-administered public lands in Wyoming and these species have been evaluated for potential impacts from the proposed lease sale, as documented by stipulations found in Appendix 5.1 of this EA.

Parcels proposed for lease may contain habitat for sensitive species. Leasing of the proposed parcels would not, by itself, authorize any ground disturbance; however, the proposed lease sale has the potential to impact habitat through future oil and gas development. Although site-specific effects cannot be analyzed until an exploration or development application is received, attachments of stipulations and notices to leases will assure the opportunity to make adjustments, such as design modifications, at the site specific level when an Application for Permit to Drill is received, to address specific wildlife and plant resources.

Solid and Hazardous Wastes: None of the parcels are known to contain open sources of solid waste. Historical management of split estate lands is unknown but unlikely to contain reportable levels of hazardous waste; these lands may have been impacted through normal everyday living including but not limited to spills of oils, paints, etc.

Several parcels have been previously leased and contain well bores that have been plugged and abandoned or are active injection wells. Any of these parcels may also contain previously approved for abandonment, oilfield materials in the subsurface; they may also contain materials that were disposed of without authorization.

Should a parcel be leased and developed, generation and temporary storage of waste materials would likely occur. Waste materials would be managed in accordance with Onshore Oil and Gas Order Nos. 1 & 7, the Resource Conservation and Recovery Act (RCRA), applicable WDEQ regulations, and Wyoming Oil and Gas Conservation Commission (WOGCC) rules. Fluid handling would be evaluated at the development stage and fluids associated with any subsequent drilling, completions and/or production would either be treated, evaporated, or transferred to a WDEQ-authorized commercial treatment, storage, or disposal facility; solids would be treated on site or transferred to a WDEQ-authorized facility. BMPs, SOPs and site-specific mitigation may be applied at the APD stage as COAs.

Grazing: Some of the parcels are located within livestock grazing allotments or private pastures. Leasing or production activities would not cause changes to grazing permit terms and conditions. Any activity that involves surface disturbance or direct resource impacts would have to be authorized as a lease operation through future NEPA analysis, on a case-by-case basis, at the APD stage. Impacts to livestock grazing may occur as a result of subsequent actions including exploration development, production, etc. Therefore, reclamation provisions/procedures including re-vegetation (utilizing appropriate seed mix based on the ecological site, elevation, and topography), road reclamation, range improvement project replacement/restoration (e.g., fences, troughs and cattle guards), noxious weed control, would be identified in future NEPA/decision documents on a case-by-case basis (at the APD stage). In addition, if any range improvement projects could be impacted by wells or associated infrastructure, well pads could be moved 200 meters to avoid rangeland improvements or vegetation monitoring plots as per 43 CFR 3101.1-2. BMPs, SOPs and site-specific mitigation may be applied at the APD stage as COAs.

Geology and Mineral Resources: Oil and gas exploration could lead to an increased understanding of the geologic setting, as subsurface data obtained through lease operations may become public record. This information promotes an understanding of mineral resources as well as geologic interpretation. While conflicts could arise between oil and gas operations and other mineral operations, these could generally be mitigated under 43 CFR 3101.1-2 and under standard lease terms (see Appendix 5.1.1) where siting and design of facilities may be modified to protect other resources.

Depending on the success of oil and gas drilling, non-renewable natural gas and/or oil would be extracted and delivered to market. Production would result in the irretrievable loss of these resources. Any oil and gas development can be managed to avoid or work within other mineral resources. Mining claims and Mineral Materials were reviewed and no parcels have active gravel pits or commercial rock quarries within their boundaries and none are located within a Known Sodium Lease Area.

At the time of a site-specific proposal for development of the lease, Standard Lease Stipulation No. 3 protects the prior rights:

Operations will not be approved which, in the opinion of the authorized officer, would unreasonably interfere with the orderly development and/or production from a valid existing mineral lease issued prior to this one for the same lands.

The oil and gas lessee would conduct its operations, so far as reasonably practicable, to avoid damage to any known deposit of any mineral for which any mining claim is located. The lessee would be required to not endanger or unreasonably or materially interfere with any mining claimant's operations, including any existing surface or underground improvements, workings, or facilities that may have been made for the purpose of mining operations. The provisions of the Multiple Mineral Development Act (30 U.S.C. § 521 et seq.) will apply to the leased lands as well as any applicable oil and gas EIS.

Designated Development Areas (DDAs)/Oil and Gas Management Areas: Designated Development Areas and Oil and Gas Management Areas are managed primarily for oil and gas exploration and development. Sixteen parcels (WY-2022-06-0491, 1156, 1188, 1197, 1201, 1208, 1212, 1227, 1237, 1242, 1247, 1248, 1249, 1251, 7192 and 7204) are located within a Designated Development Area (DDA). The respective field office's Approved RMPs designates these areas for development incorporating almost all lands with moderate to high oil and gas potential. Potential for future mineral development is primarily limited to lands in the Designated Development Areas which do not conflict other resources.

Areas of Critical Environmental Concern (ACECs): Areas of Critical Environmental Concern are identified during the RMP process. Parcels offered for sale are subject to the stipulations shown in Appendix 5.1, which includes protecting the relevant and important ACEC values. Should a parcel be sold, and subsequently developed, any further mitigation measures to reduce impacts would be applied at the site-specific project level. WY-2023-06-1451 and WY-2023-06-7243 are located within a Special Status Species (Plant) ACEC.

2.0 Description of Alternatives, Including Proposed Action

Introduction

Leasing is generally a three-step process. First, the BLM issues a RMP, as required by FLPMA, assessing the resources in a given area and determines what lands to open for development (43 CFR § 1601.0-5(n)). Step two, after the RMP has been signed, is to identify parcels eligible for lease, subject to public protest, and hold a competitive lease sale at which parcels are auctioned off and sold to the highest bidder (see 43 CFR § 3120.1-3, 43 CFR § 3120.5-1, 43 CFR § 3120.5-3). For the third and final step, after leases are issued, the lessees submit proposals to develop the leases. Prior to any surface disturbance occurring, an Application for Permit to Drill (APD) must be submitted and approved (43 CFR § 3162.3-1) by the field office. For each APD, the Bureau determines whether to approve the proposals and what conditions to impose (30 U.S.C. § 226(g) and 43 CFR § 3162.3-1).

BLM developed a parcel list of nominated lands from EOIs and the WSO created a shapefile of all parcels. The shapefile is used in the ArcGIS® mapping program (ArcMap®). Once the shapefile of parcels is created, the shapefile and parcels list are forwarded to BLM WSO specialists and field offices for further review and posted to ePlanning for scoping.

Using GIS, WSO screens all parcels to determine which parcels move forward for further review by the field offices. Each field office (FO) with potential parcels within its boundaries receives a list to review containing only those parcels.

The WSO specialists and the FO's use the same ArcMap® system to screen the proposed parcels. This screen is based on the RMP decisions in each FO. The FO reviews the potential parcels and recommends; which lands need to be removed from further consideration (e.g. lands unavailable for lease due to RMP decisions); which lands need to be deferred (potential conflicts that may have arisen); and leasing stipulations (based on RMP decisions). These recommendations are forwarded to the district offices.

The district office (DO) staff compiles all parcels within the district and verifies the recommendations from each FO within the district. Any discrepancies are discussed between the FO and DO staff to resolve those issues. The DO then sends the compiled list back to the WSO, specifically the fluid minerals staff.

The fluid minerals staff then compiles all three DO recommendations and potential parcels back into one list. The State Director (SD) and the District Managers (DMs) then coordinate and discuss the recommendations and concur on which potential parcels, or portions of parcels move forward for analysis and inclusion into the quarterly CLS EA.

The WSO fluid minerals staff prepares the EA and posts it on the ePlanning website for a 30-day public comment period. After the 30-day public comment period, the fluid minerals staff reviews and responds to the comments and makes changes to the EA, if necessary. Any major conflicts identified are discussed with the SD and Deputy State Director (DSD) for Lands and Minerals (and other staff if determined necessary by the SD) for a decision on whether to delete, defer or move the parcel forward.

The public comments and responses are then posted on the ePlanning website. The WSO publishes a Notice of Competitive Oil & Gas Lease Sale (Sale Notice), beginning a 30-day protest period. After the 30-day protest period, the fluid minerals staff reviews the protests and prepares responses. Once the protest responses are completed, the fluid minerals staff sends the EA, FONSI, Response to Public Comments, Response to Protests and Decision Record (DR) to other WSO staff for review and comment. These reviews are typically obtained from the Planning and Environmental Coordinator(s), Branch Chiefs, DSDs and finally the SD. The SD typically signs the FONSI and DR

the day prior to the CLS. At any point in the review process (up until the day the sale is held), parcels or portions of parcels may be deleted or deferred.

2.1 Alternative 1 - No Action Alternative

Under the Alternative 1, BLM Wyoming would not offer the 209 parcels nominated and located in areas open to leasing under the approved RMPs, containing approximately 251,154.09 acres. This would mean that the Expressions of Interest would be rejected, and the lease parcels would not be offered. Choosing the No Action alternative would not prevent future leasing in these areas consistent with land use planning decisions and subject to appropriate stipulations, identified in the respective land use plans.

2.2 Alternative 2 - Proposed Action

Alternative 2 would offer 209 parcels containing approximately 250,950.26 acres nominated through the Expression of Interest as indicated in Table 2.1 below. Portions of five (5) parcels (WY-2023-06-1525 {43.26 acres} reserved for coal only; WY-2023-06-1410 {40.00 acres} and 1415 {40.00 acres} deleted for the Adobe Town WSA; WY-2023-06-1451 {40.00 acres} and 7243 {40.57 acres} for the Special Status Plant Species ACEC in RSFO) would be deleted since these areas are not available to lease under the respective RMPs.

Table 2.1: 2023-06 Proposed Lease Parcels:

| Field Office | Acres NOMINATED | # of Parcel Nominations | NUMBER DELETE WHOLE (acres) | NUMBER DELETE PART (acres) |
|-------------------|--------------------|----------------------------|-----------------------------------|----------------------------------|
| BFO | 26,100.81 | 35 | 0 | 1 (43.26) |
| CFO | 4,369.39 | 14 | 0 | 0 |
| NFO | 17,672.28 | 10 | 0 | 0 |
| CYFO | 9,992.76 | 5 | 0 | 0 |
| LFO | 4,513.76 | 5 | 0 | 0 |
| WFO | 30,813.46 | 44 | 0 | 0 |
| KFO | 951.86 | 2 | 0 | 0 |
| PFO | 53,133.73 | 32 | 0 | 0 |
| RFO ^a | 95,895.29 | 57 | 0 | 0 |
| RSFO ^b | 7,710.75 | 5 | 0 | 4 (160.57) |
| Totals | 251,154.09 | 209 | 0 | 5 (203.83) |

^a 1 parcel overlap Rawlins and Rock Springs = parcel and acres counted in RFO

^b 7 parcels overlap Rock Springs and Rawlins = parcels and acres counted in RSFO

2.3 Alternative 3 – Modified Proposed Action

The decision as to which public lands and minerals are open for leasing and what leasing stipulations may be necessary is made during the land use planning process. Surface management/use for mineral extraction on non-BLM administered land overlaying federal minerals will be determined by the BLM in consultation with the appropriate surface management agency or the private surface owner at the time such surface use is proposed by the leaseholder or designated agent. Under the MLA, issuing oil and gas leases is a discretionary authority conveyed to the Secretary of the Interior. In this alternative BLM would defer sixteen (16) whole parcels in accordance with Instruction Memorandum (IM) 0223-007 - Evaluating Competitive Oil and Gas lease Sale Parcels for Future Lease Sales, thirty (30) whole parcels that overlap Greater Sage-Grouse (GSG) Priority Habitat Management Areas (PHMA), one whole parcel would be deferred to allow coordination with the U.S. Army Corps of Engineers (USACE), and portions of one (1) parcel which contains an active gas well overlying unleased minerals. This portion will be deferred until the BLM completes the required procedures to have the well plugged. Additionally, portions of five (5) parcels would be partially deleted, as described in Alternative 2. The whole parcels or portions of parcels proposed for deferral are detailed in the tables below, Section 4.3, and in Appendix 5.1.

Table 2.2: Summary of parcels deferred, deleted, and available for sale:

| FIELD OFFICE | NOMINATED ACRES | PARCEL COUNT | WHOLE DEFERRAL | PARTIAL DEFERRAL | DELETE WHOLE | DELETE PART | OFFERED PARCELS (ACRES) |
|--------------|-----------------|-----------------|----------------|------------------|--------------|-------------|-------------------------|
| BFO | 26,100.81 | 35 | 6 | 1 | 0 | 1 | 29 (18,752.91) |
| CFO | 4,369.39 | 14 | 1 | 0 | 0 | 0 | 13 (3,796.83) |
| NFO | 30,813.46 | 44 | 7 | 0 | 0 | 0 | 37 (26,211.84) |
| CYFO | 17,672.28 | 10 | 2 | 0 | 0 | 0 | 8 (15,935.28) |
| LFO | 4,513.76 | 5 | 0 | 0 | 0 | 0 | 5 (4,513.76) |
| WFO | 7,710.75 | 5 | 0 | 0 | 0 | 0 | 5 (7,710.75) |
| KFO | 9,992.76 | 5 | 2 | 0 | 0 | 0 | 3 (5,838.12) |
| PFO | 951.86 | 2 | 0 | 0 | 0 | 0 | 2 (951.86) |
| RFO | 53,133.73 | 32 ¹ | 15 | 0 | 0 | 4 | 18 (25,001.94) |
| RSFO | 95,895.29 | 57 ² | 16 | 0 | 0 | 0 | 41 (63,011.27) |
| Total | 251,154.09 | 209 | 47 | 1 | 0 | 5 | 160 (170,926.81) |

¹ 1 Parcel overlaps RFO and RSFO

² 7 parcels overlap RSFO and RFO

Under Alternative 3, 160 parcels containing approximately 170,926.81 acres would be offered for lease during the Second Quarter 2023 (2023-06) Competitive Lease Sale. Parcels were first screened using the five leasing preference criteria listed in IM 2023-007. The preference criteria are comprised of:

1. Proximity to existing oil and gas development, giving preference to lands upon which a prudent operator would seek to expand existing operations;
2. The presence of important fish and wildlife habitats or connectivity areas, giving preference to lands that would not impair the proper functioning of such habitats or corridors;
3. The presence of historic properties, sacred sites, or other high value cultural resources, giving preference to lands that do not contribute to the cultural significance of such resources;
4. The presence of recreation and other important uses or resources, giving preference to lands that do not contribute to the value of such uses or resources; and
5. Potential for development, giving preference to lands with high potential for development.

Proposed parcels with a high preference value will be considered first for potential inclusion in a lease sale. The BLM will defer lease parcels with a low preference value (Table 2.3). Throughout the review period for the lease sale, BLM may also consider additional measures and deferrals to address the potential impacts of leasing, as well as new information that is presented during the NEPA process for the lease sale.

In accordance with IM 2023-007, the BLM field offices evaluated sale parcels as shown in Table 2.3. Twenty-three (23) parcels have a low preference for leasing based on evaluation criteria 1 through 4 of the IM and RMP requirements. Parcels in criteria 5 (RFD) were evaluated based on the development potential found in the RMPs. Thirty (30) parcels have a low development potential based on the RMPs; however, through additional review these parcels are located near existing development and therefore the field offices determined evaluated these parcels as having an overall high preference for leasing. Based on the previous paragraph all lands are considered open under the RMP and considered for lease through public expression of interest.

Table 2.3: IM 2023-007 Leasing Preference

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|--------------------------|--|-------------------------------------|----------------------|--------------------------------------|-------------------------------------|
| NFO | 0001 | High | High | High | High | Low* | X | |
| NFO | 1326 | High | High | High | High | High | X | |
| NFO | 1327 | High | High | High | High | Low* | X | |
| NFO | 1328 | High | High | High | High | High | X | |
| NFO | 1329 | High | High | High | High | Low* | X | |
| NFO | 1330 | High | High | High | High | High | X | |
| NFO | 1331 | High | High | High | High | Low* | X | - |
| NFO | 1332 | High | High | High | High | Low* | X | - |
| NFO | 1333 | High | High | High | High | Low* | X | - |
| NFO | 1334 | High | High | High | High | Low* | X | - |
| NFO | 1335 | High | High | High | High | Low* | X | - |
| NFO | 1336 | High | High | High | High | Low* | X | - |
| NFO | 1337 | High | High | High | High | Low* | X | - |
| NFO | 1338 | High | High | High | High | Low* | X | - |
| NFO | 1339 | High | Low | - | - | - | - | X |
| NFO | 1340 | High | High | High | High | Medium | X | |
| NFO | 1341 | High | High | High | High | High | X | |
| NFO | 1342 | High | High | High | High | Low* | X | |
| NFO | 1343 | High | High | High | High | Low* | X | |
| NFO | 1344 | High | High | High | High | Low* | X | |
| NFO | 1345 | High | High | High | High | Low* | X | |
| NFO | 1346 | High | High | High | High | Low* | X | |
| NFO | 1347 | High | High | High | High | Low* | X | |
| NFO | 1348 | High | High | High | High | Low* | X | |
| NFO | 1349 | High | High | High | High | Low* | X | |
| RSFO | 1350 | High | High | High | High | Medium | X | |
| RSFO | 1351 | High | High | High | High | High | X | |
| BFO | 1352 | High | High | High | High | High | X | |
| WFO | 1353 | High | High | High | High | High | X | |
| CYFO | 1354 | High | High | High | High | Low* | X | |
| NFO | 1355 | High | High | High | High | Low* | X | |
| BFO | 1356 | High | High | High | High | High | X | |
| BFO | 1357 | High | High | High | High | High | X | |
| BFO | 1358 | High | High | High | High | High | X | |
| CYFO | 1359 | High | High | High | High | Low* | X | |
| BFO | 1361 | High | High | High | High | High | X | |
| BFO | 1362 | High | High | High | High | High | X | |

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|--------------------------|--|-------------------------------------|----------------------|--------------------------------------|-------------------------------------|
| NFO | 1363 | High | High | High | High | Medium | X | |
| BFO | 1364 | High | High | High | High | Low* | X | |
| CFO | 1365 | High | High | High | High | High | X | |
| RFO | 1399 | High | High | High | High | High | X | |
| CFO | 1400 | High | High | High | High | High | X | |
| RSFO | 1401 | High | High | High | High | High | X | |
| RSFO | 1402 | High | Low | - | - | - | | X |
| RSFO | 1404 | High | High | High | High | Medium | X | |
| CFO | 1405 | High | High | High | High | High | X | |
| RSFO | 1407 | High | High | High | High | Medium | X | |
| RSFO | 1408 | High | High | High | High | High | X | |
| RSFO | 1410 | High | High | Adobe Town WSA | - | High | | X |
| RSFO | 1411 | High | Low | - | - | High | | X |
| CFO | 1412 | High | High | High | High | High | X | |
| CFO | 1413 | High | High | High | High | High | X | |
| RFO | 1414 | High | High | High | High | High | X | |
| RSFO | 1415 | High | High | Adobe Town WSA | - | High | | X |
| RFO | 1419 | High | Low | - | - | - | | X |
| CFO | 1421 | High | High | High | High | High | X | |
| RFO | 1422 | High | Low | - | - | - | | X |
| RSFO | 1425 | High | High | High | High | High | X | |
| RFO | 1426 | High | Low | - | - | - | | X |
| RSFO | 1429 | High | High | High | High | High | X | |
| RFO | 1430 | High | Low | - | - | - | | X |
| RSFO | 1431 | High | High | High | High | High | X | |
| RFO | 1434 | High | Low | - | - | - | | X |
| RFO | 1436 | High | High | High | High | High | X | |
| BFO | 1437 | High | High | High | High | High | X | |
| BFO | 1438 | High | High | High | High | Medium | X | |
| BFO | 1439 | High | High | High | High | Medium | X | |
| RFO | 1440 | High | High | High | High | High | X | |
| RFO | 1441 | High | High | High | High | High | X | |
| BFO | 1443 | High | High | High | High | Medium | X | |
| RFO | 1444 | High | Low | - | - | - | | X |

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|-------------------------------------|--|-------------------------------------|----------------------|--------------------------------------|-------------------------------------|
| RSFO | 1446 | High | High | High | High | High | X | |
| RFO | 1447 | High | Low | - | - | - | | X |
| RSFO | 1448 | High | High | High | High | High | X | |
| RSFO | 1449 | High | High | High | High | High | X | |
| RSFO | 1451 | High | Special Status Plants ACEC | - | - | Medium | | X |
| RSFO | 1452 | High | High | High | High | High | X | |
| RSFO | 1453 | High | High | High | High | Medium | X | |
| RSFO | 1454 | High | High | High | High | High | X | |
| RSFO | 1455 | High | High | High | High | High | X | |
| RSFO | 1456 | High | High | High | High | High | X | |
| RSFO | 1457 | High | High | High | High | High | X | |
| BFO | 1458 | High | High | High | High | High | X | |
| RSFO | 1459 | High | High | High | High | High | X | |
| BFO | 1462 | High | High | High | High | High | X | |
| BFO | 1463 | High | High | High | High | High | X | |
| BFO | 1464 | High | High | High | High | High | X | |
| BFO | 1465 | High | High | High | High | High | X | |
| WFO | 1470 | High | High | High | High | High | X | |
| BFO | 1475 | High | High | High | High | Medium | X | |
| BFO | 1477 | High | High | High | High | Low* | X | |
| RSFO | 1478 | High | Low | - | - | - | | X |
| WFO | 1479 | High | High | High | High | High | X | |
| BFO | 1480 | High | High | High | High | High | X | |
| BFO | 1481 | High | High | High | High | High | X | |
| BFO | 1483 | High | High | High | High | High | X | |
| BFO | 1484 | High | High | High | High | High | X | |
| WFO | 1485 | High | High | High | High | High | X | |
| RSFO | 1486 | High | High | High | High | High | X | |
| RSFO | 1488 | High | High | High | High | High | X | |
| RSFO | 1489 | High | High | High | High | High | X | |
| PFO | 1490 | High | High | High | High | High | X | |
| RSFO | 1491 | High | High | High | High | High | X | |
| RSFO | 1492 | High | High | High | High | High | X | |
| RFO | 1493 | High | High | High | High | Low* | X | |
| RFO | 1494 | High | High | High | High | Low* | X | |

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|--------------------------|--|--|----------------------|--------------------------------------|-------------------------------------|
| RSFO | 1495 | High | High | High | High | High | X | |
| RFO | 1496 | High | High | High | High | High | X | |
| RFO | 1497 | High | High | High | High | Low* | X | |
| CFO | 1498 | High | High | High | High | High | X | |
| CFO | 1499 | High | High | High | High | Medium | X | |
| RFO | 1500 | High | High | High | High | High | X | |
| RFO | 1501 | High | High | High | High | High | X | |
| BFO | 1502 | High | High | High | High | High | X | |
| RFO | 1503 | High | High | High | High | High | X | |
| RSFO | 1504 | High | High | High | High | High | X | |
| RSFO | 1505 | High | High | High | High | High | X | |
| RSFO | 1506 | High | High | High | High | High | X | |
| RSFO | 1507 | High | High | High | High | High | X | |
| RSFO | 1508 | High | High | High | High | High | X | |
| RSFO | 1509 | High | High | High | High | High | X | |
| RFO | 1510 | High | High | High | High | High | X | |
| CFO | 1511 | High | High | High | High | Low | X | |
| BFO | 1512 | High | High | High | High | High | X | |
| RSFO | 1513 | High | High | High | High | High | X | |
| RSFO | 1514 | High | High | High | High | High | X | |
| RSFO | 1515 | High | High | High | High | Medium | X | |
| RFO | 1516 | High | High | High | High | High | X | |
| RFO | 1517 | High | High | High | High | High | X | |
| RFO | 1520 | High | Low | - | - | - | | X |
| RFO | 1521 | High | Low | - | - | - | | X |
| RFO | 1522 | High | Low | - | - | - | | X |
| RSFO | 1523 | High | Low | - | - | - | | X |
| RSFO | 1524 | High | High | High | High | High | X | |
| BFO | 1525 | High | - | - | Government reserved D/C and Coal only | High | | X |
| RSFO | 1526 | High | High | High | High | High | X | |
| RSFO | 1527 | High | Low | - | - | - | | X |
| RSFO | 1528 | High | High | High | High | High | X | |
| BFO | 1529 | High | High | High | High | High | X | |
| CFO | 1530 | High | High | High | High | Medium | X | |

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|--------------------------|--|-------------------------------------|----------------------|--------------------------------------|-------------------------------------|
| LFO | 1532 | High | High | High | High | High | X | |
| LFO | 1536 | High | High | High | High | High | X | |
| LFO | 1538 | High | High | High | High | High | X | |
| NFO | 1539 | High | High | High | High | High | X | |
| NFO | 1540 | High | High | High | High | High | X | |
| CFO | 1541 | High | High | High | High | High | X | |
| BFO | 1542 | High | High | High | High | High | X | |
| LFO | 1543 | High | High | High | High | High | X | |
| BFO | 1544 | High | High | High | High | High | X | |
| NFO | 1545 | High | High | High | High | High | X | |
| NFO | 1548 | High | High | High | High | High | X | |
| NFO | 1549 | High | High | High | High | High | X | |
| NFO | 1551 | High | High | High | High | High | X | |
| NFO | 1552 | High | High | High | High | High | X | |
| NFO | 1554 | High | High | High | High | High | X | |
| KFO | 1557 | High | High | High | High | High | X | |
| KFO | 1558 | High | High | High | High | High | X | |
| NFO | 1559 | High | High | High | High | High | X | |
| KFO | 1560 | High | High | High | High | High | X | |
| KFO | 1561 | High | High | High | High | High | X | |
| CFO | 1562 | High | High | High | High | High | X | |
| NFO | 1563 | High | High | High | High | High | X | |
| NFO | 1564 | High | High | High | High | High | X | |
| NFO | 1565 | High | High | High | High | Low | X | |
| BFO | 1567 | High | High | High | High | High | X | |
| BFO | 1568 | High | High | High | High | High | X | |
| BFO | 1569 | High | High | High | High | High | X | |
| BFO | 1570 | High | High | High | High | High | X | |
| RFO | 1571 | High | High | High | High | Medium | X | |
| CYFO | 1573 | High | High | High | High | Medium | X | |
| CYFO | 1575 | High | High | High | High | Medium | X | |
| CYFO | 1576 | High | High | High | High | Medium | X | |
| CYFO | 1577 | High | High | High | High | Medium | X | |
| CYFO | 1578 | High | High | High | High | Medium | X | |
| CYFO | 1579 | High | High | High | High | Medium | X | |
| CYFO | 1580 | High | High | High | High | Medium | X | |
| CFO | 1581 | High | High | High | High | High | X | |
| RSFO | 1599 | High | High | High | High | High | X | |

| Office | Parcel | 1 Proximity Criteria | 2 Habitat Criteria | 3 Cultural Resources Criteria | 4 Other Resources Criteria | 5 RFD Criteria | High Preference for Leasing | Low Preference for Leasing |
|--------|--------|----------------------------|-------------------------------------|--|-------------------------------------|----------------------|--------------------------------------|-------------------------------------|
| BFO | 1731 | High | High | High | High | High | X | |
| CFO | 1772 | High | High | High | High | High | X | |
| NFO | 7221 | High | High | High | High | High | X | |
| RFO | 7223 | High | High | High | High | High | X | |
| RFO | 7224 | High | Low | - | - | - | | X |
| RSFO | 7225 | High | High | High | High | High | X | |
| RSFO | 7227 | High | High | High | High | High | X | |
| RSFO | 7228 | High | High | High | High | High | X | |
| RSFO | 7231 | High | High | High | High | High | X | |
| RFO | 7232 | High | High | High | High | High | X | |
| RFO | 7234 | High | High | High | High | High | X | |
| NFO | 7235 | High | High | High | High | High | X | |
| RFO | 7236 | High | High | High | High | High | X | |
| RSFO | 7239 | High | High | High | High | High | X | |
| RSFO | 7240 | High | High | High | High | High | X | |
| RSFO | 7241 | High | High | High | High | High | X | |
| RSFO | 7242 | High | High | High | High | Medium | X | |
| RSFO | 7243 | High | Special Status Plants ACEC | - | - | Medium | | X |
| BFO | 7246 | High | High | High | High | High | X | |
| BFO | 7247 | High | High | High | High | High | X | |
| WFO | 7248 | High | High | High | High | High | X | |
| RFO | 7249 | High | Low | - | - | - | | X |
| RSFO | 7250 | High | High | High | High | High | X | |
| KFO | 7251 | High | High | High | High | High | X | |
| PFO | 7252 | High | High | High | High | High | X | |
| LFO | 7253 | High | High | High | High | High | X | |
| NFO | 7254 | High | High | High | High | High | X | |
| NFO | 7255 | High | High | High | High | High | X | |
| NFO | 7257 | High | High | High | High | High | X | |
| CYFO | 7258 | High | High | High | High | Medium | X | |
| RSFO | 7259 | High | High | High | High | High | X | |

*These parcels have a low development potential based on the RMPs; however, through additional review these parcels are located near existing development and therefore the field offices determined evaluated these parcels as having an overall high preference for leasing

2.4 Alternatives Considered but Not Analyzed in Detail

Offer All Nominated Parcels as Originally Submitted Through the Expression-Of-Interest (EOI)

Offering all nominated parcels as originally submitted through the EOI process was considered as an alternative to analyze all nominated lands. However, several parcels, or portions of parcels, nominated were in areas where the RMPs have designated those lands as “closed to new oil and gas leasing.” This alternative was not analyzed in detail because the offering of those parcels, or portions of parcels, in areas closed to leasing would not be in conformance with the RMP(s).

Offer All Nominated Parcels Subject to Standard Lease Terms and Conditions

Offering all nominated parcels with only the standard lease terms and conditions on the BLM’s lease form was considered to reduce constraints to oil and gas development on public lands. Such an alternative is not in conformance with the approved RMPs where the applicable RMP prescribes stipulations in accordance with FLMPA’s Section 102(a)(8) mandate to manage the public lands to protect resource values. Therefore, this alternative was not analyzed in detail.

Offer All Available Parcels Subject to No Surface Occupancy (NSO) Stipulations

An alternative was considered that would offer all parcels located in areas open to leasing with a NSO stipulation. This alternative was not carried forward to detailed analysis because it is not in conformance with the approved RMPs and would only prohibit surface occupancy for oil and gas development; other non-oil and gas occupancy may not be similarly constrained. This alternative would unnecessarily limit oil and gas occupancy in areas where the approved RMPs have determined that less restrictive stipulations would adequately mitigate the anticipated impacts under our mandate of multiple-use and sustained yield.

Defer All Priority Sage-Grouse Habitat Parcels

BLM considered deferring all Greater Sage-Grouse Priority Habitat Management Area (PHMA) parcels would be deferred. Under this alternative 138 parcels would be offered during a competitive oil and gas lease sale including 134 parcels in General Habitat Management Area (GHMA) and four parcels outside of Greater Sage-Grouse habitat. This alternative was not analyzed in detail because the ARMPA allows for leasing in PHMA. See alternative 3 for full prioritization analysis.

Defer All Sage-Grouse Habitat Parcels

An alternative was considered that would defer all Greater Sage-Grouse GHMA and PHMA parcels. Under this alternative only four parcels would be offered during a competitive oil and gas lease sale (NE-2023-06-0001, WY-2023-06-1493, WY-2023-06-1494 and WY-2023-06-1581). This alternative was not analyzed in detail because the ARMPA allows for leasing in both GHMA and PHMA. See alternative 3 for full prioritization analysis.

3.0 Affected Environment

This chapter describes the general environmental setting and resources that could be affected by the Proposed Action and alternatives. This chapter provides the baseline for comparison of impacts described in Chapter 4. This chapter is organized by the identified affected resources.

Introduction

The sale of parcels and issuance of oil and gas leases is an administrative action. Nominated parcels are reviewed under the approved RMP, and stipulations are attached to mitigate any known environmental or resource conflicts that may occur on a proposed lease parcel. On-the-ground impacts would not occur until a lessee or their designated operator applies for and receives approval to undertake surface-disturbing lease actions.

The BLM cannot reasonably determine at the leasing stage whether a nominated parcel will actually be leased, or if leased, whether or not the lease would be explored or developed or at what intensity development may occur.

The uncertainty that exists at the time the BLM offers a lease for sale includes factors that will affect potential impacts, such as: well density; geological conditions; development type (vertical, directional, horizontal); hydrocarbon characteristics; equipment to be used during construction, drilling, production, and abandonment operations; and potential regulatory changes over the life of the 10-year primary lease term.

If lands are offered, leased, and a proposal for site-specific lease operations is received by the BLM, additional NEPA compliance documentation and technical analysis would be prepared by the BLM. Aside from the applicable protection measures required under the lease stipulations (see Appendix 5.1), additional mitigation may be applied as COAs at that time to mitigate identified impacts.

As described in Section 1.4, above, this EA tiers to the applicable RMP FEISs (40 CFR § 1502.20). In the impacts analysis for the alternatives, below, this EA will only address those resources and impacts where the BLM has determined there are new circumstances or information, or where BLM believes it will be helpful to inform the public about actions that may occur on public lands. This approach comports with the BLM's NEPA Handbook H-1790-1 (at page 28).

For additional descriptions of the potential effects for the alternatives considered below, please refer to the RMP FEISs referenced in Section 1.4.

Resources Carried Forward for Analysis

The BLM IDT identified resources that could be affected by the Proposed Action and alternatives and potential environmental impacts for each resource as the key issues to be analyzed in the EA.

Resources that are not present or are not affected by the Proposed Action or alternatives, as determined during scoping, do not warrant further analysis. These resources will not be discussed further in this EA.

3.1 Air Resources

3.1.1 Air Quality

The Wyoming Bureau of Land Management (BLM) has prepared this air monitoring report to present existing environment conditions for use in impact assessments. The BLM authorizes activities that can affect air resources by releasing pollutants into the atmosphere. The report assists the BLM in managing air resources by establishing current conditions and monitoring trends for National Environmental Policy Act (NEPA) analysis. Additionally, the report is used to promote education, awareness, and transparency of air resources on public lands. Air pollution does not stop at governmental or jurisdictional boundaries and engaging the public, various levels of government, and tribes through cooperative airshed management is a key to protecting air quality. Note to reader: the “2022 Air Resource Monitoring Report” incorporated by reference as the foundation for this analysis and is available at <https://www.blm.gov/sites/default/files/docs/2022-12/2022%20Air%20Resource%20Monitoring%20Report%20%28Data%20Through%202021%29.pdf>.

Regulatory analysis

Congress gave the Environmental Protection Agency (EPA) regulatory authority for cleaning up air pollution. Under the Clean Air Act (CAA), EPA sets limits on certain air pollutants, including setting limits on how much can be in the air anywhere in the United States. The CAA also gives EPA the authority to limit emissions of air pollutants coming from sources like chemical plants, utilities, and steel mills (EPA, 2007).

The Wyoming Department of Environmental Quality/Air Quality Division (WDEQ-AQD) is responsible for ensuring that air in Wyoming meets health and safety standards established under the CAA. To fulfil this responsibility, the WDEQ-AQD is required by the federal government to ensure compliance with the EPA's National Ambient Air Quality Standards (NAAQS) statewide. Additionally, the state ensures compliance with visibility standards through regional haze rules. The WDEQ-AQD enacts rules pertaining to air quality standards, develops plans to meet the federal standards, when necessary, issues preconstruction and operating permits to stationary sources, and ensures compliance with state and federal air quality rules (WDEQ, 2013).

EPA's Tribal Authority Rule gives Tribes the ability to develop air quality management programs, write rules to reduce air

pollution and implement and enforce their rules in Indian Country. While state and local agencies are responsible for all CAA requirements, Tribes may develop and implement only those parts of the CAA that are appropriate for their lands (EPA, 2007). While the EPA, State, and Tribes have regulatory authority to control air pollution emissions, it is the mission of the BLM to sustain the health, diversity, and productivity of the public lands for the use and enjoyment of present and future generations. Section 2.1 lists the laws, policy, and guidance that directs BLM how to achieve this mission with respect to air resources.

Regulations and Policy

Clean Air Act

The CAA of 1963 [42 U.S.C. § 1857 et seq.], as amended and recodified [42 U.S.C. § 7401 et seq.] is the primary Federal legislation and provides the framework for protecting and enhancing the quality of the Nation's air resources so as to promote the public health and welfare and the productive capacity of its population (Section 101(b)(1)). The Act focuses on reducing both criteria air pollutants and hazardous air pollutants. As required by the CAA, EPA has established NAAQS for criteria pollutants (Section 109 (a)(1)(A)). Compliance and enforcement of these Federal requirements is delegated to applicable Tribal, State and local regulatory agencies (Sections 107(a), 301(d), 302). The CAA also allows these agencies to establish regulations which are more, but not less, stringent than the Federal requirement (Section 116) (EPA, 2007). The BLM has no authority to determine how air quality standards will be achieved nor to determine area designations.

Federal Land Policy and Management Act

Federal Land Policy and Management Act (FLPMA) of 1976 [43 U.S.C. §§ 1701-1785], often referred to as the BLM's "Organic Act," provides the majority of the BLM's legislated authority, direction policy, and basic management guidance. This Act outlines the BLM's role as a multiple use land management agency and provides for management of the public lands under principles of multiple use and sustained yield. The Act directs public lands to be managed "in a manner that will protect the quality of scientific, scenic, historical, ecological, environmental, air and atmospheric, water resource, and archeological values" (Sec. 102. [43 U.S.C. 1701] (a) (8)). To meet this responsibility, the BLM is to require "compliance with applicable pollution control laws, including State and Federal air, water, noise, or other pollution standards or implementation plans" (Sec. 202. [43 U.S.C. 1712] (a)(8)). This means that the BLM can reasonably rely on compliance with existing air pollution control regulations to insure protection of regulatory air quality standards (e.g., NAAQS). In addition, BLM can reasonably rely on Federal or delegated State air pollution control agencies to determine compliance with these regulations, and to enforce these regulatory air quality standards. FLPMA also gives the BLM authority to halt any BLM authorized activity that is found in violation of state or Federal air quality regulations, thus ensuring that the BLM can provide compliance with applicable air quality standards, regulations, and implementation plans (Sec. 302. [43 U.S.C. 1732] (a)(c)).

National Environmental Policy Act

The National Environmental Policy Act (NEPA) of 1969 [42 U.S.C. 4321 et seq.]: NEPA ensures that information on the potential environmental and human impact of Federal actions is available to public officials and citizens before decisions are made and before actions are taken. One of the purposes of the Act is to "promote efforts which will prevent or eliminate damage to the environment and biosphere," and to promote human health and welfare (Section 2). This Act requires that agencies prepare a detailed statement on the environmental impact of the proposed action for major Federal actions expected to significantly affect the quality of the human environment (Section 102 (C)). In addition, agencies are required, to the fullest extent possible, to use a "systematic, interdisciplinary approach" in planning and decision-making processes that may have an impact on the environment (Section 102(A)).

Additional Guidance

Other guidance and policy are useful for the BLM in managing air resources. While this guidance is not required by law it can be useful for managing and analyzing air resources. Such guidance includes, but is not limited to, Council on Environmental Quality guidance on NEPA analysis, the Federal Land Managers' Air Quality Related Values Work Group (FLAG), and BLM Guidance for Conducting Air Quality General Conformity Determinations (BLM IM2013-025, 2012) (BLM IB 2014-084, 2014).

Regulated Values

Criteria Air Pollutants

The EPA has established NAAQS for six common air pollutants (also known as "criteria air pollutants"). These pollutants are found all over the U.S. Concentrations of air pollutants greater than the national standards represent a risk to human health and the environment. Criteria pollutants include carbon monoxide, nitrogen dioxide, ozone, particulate matter, sulfur dioxide, and

lead, and are discussed below. Periodically, the EPA reviews the latest science to ensure that NAAQS appropriately protect human health and safety and to update the standards when necessary. Indicators for assessing environmental impacts from criteria air pollutants include emissions (mass per unit of time) and concentrations (mass per volume, or number of molecules over total molecules).

Carbon Monoxide

Carbon monoxide (CO) is a colorless, odorless gas emitted from combustion processes. The greatest sources of CO to outdoor air are cars, trucks and other vehicles or machinery that burn fossil fuels. CO can cause harmful health effects by reducing oxygen delivery to the body's organs (like the heart and brain) and tissues. At extremely high levels, CO can cause death (EPA, 2018).

Nitrogen Oxides

Nitrogen oxides (NO_x) are a group of highly reactive gasses and include nitrogen dioxide (NO₂), nitrous acid, and nitric acid. While EPA's NAAQS cover this entire group of NO_x, NO₂ is the component of greatest interest and the indicator for the larger group of nitrogen oxides. NO₂ forms quickly from emissions from cars, trucks and buses, power plants, and off-road equipment. In addition to contributing to the formation of ground-level ozone, and fine particle pollution, NO₂ is linked with a number of adverse effects on the respiratory system (EPA, 2018).

Ozone

Ground-level ozone (O₃) is a secondary pollutant. It is formed by a chemical reaction between NO_x and volatile organic compounds (VOCs) in the presence of sunlight (photochemical oxidation). Precursor sources of NO_x and VOCs include motor vehicle exhaust, industrial emissions, gasoline vapors, vegetation emissions (i.e., terpenes), wood burning, and chemical solvents. Abundant solar radiation drives the photochemical process and creates ground-level O₃. Primary health effects from O₃ exposure range from breathing difficulty to permanent lung damage. High concentrations of ground-level O₃ contributes to plant and ecosystem damage.

While ozone is generally considered a summertime air pollutant, in certain parts of the country it has become a wintertime issue due to highly concentrated precursor pollutants in low level temperature inversions and additional photochemical reaction from snow reflecting solar radiation back into the atmosphere.

Ozone and its precursors are a regional air quality issue due to possible transport hundreds of miles from origination, thus maximum O₃ levels can occur at locations many miles downwind from the sources.

Particulate Matter (PM₁₀ AND PM_{2.5})

Airborne particulate matter (PM) consists of tiny coarse-mode (PM₁₀) or fine-mode (PM_{2.5}) particles or aerosols combined with dust, dirt, smoke, and liquid droplets. PM_{2.5} have diameters that are generally 2.5 micrometers or smaller and derive primarily from the incomplete combustion of fuel sources and secondarily formed aerosols. PM₁₀ have diameters that are generally 10 micrometers or smaller and derive primarily from crushing, grinding, or abrasion of surfaces. Sources of particulate matter include industrial processes, power plants, vehicle exhaust, fugitive dust, construction activities, home heating, and fires. Many scientific studies have linked breathing PM to serious health problems, including aggravated asthma, increased respiratory symptoms, difficult or painful breathing, chronic bronchitis, decreased lung function, and premature death. Particulate matter is a major cause of reduced visibility. It can stain and damage stone and other materials, including culturally important objects, such as monuments and statues (EPA, 2018).

Sulfur Dioxide

Sulfur dioxide (SO₂) is one of a group of highly reactive gasses known as "oxides of sulfur." The largest sources of SO₂ emissions are from fossil fuel combustion at power plants (73%) and other industrial facilities (20%). Smaller sources of SO₂ emissions include industrial processes such as extracting metal from ore, and the burning of high sulfur containing fuels by locomotives, large ships, and non-road equipment. SO₂ is linked with a number of adverse effects on the respiratory system (EPA, 2018).

Lead

Lead (Pb) is a metal found naturally in the environment as well as in manufactured products. The major sources of lead emissions have historically been from fuels in on-road motor vehicles (such as cars and trucks) and industrial sources. As a result of EPA's regulatory efforts to remove lead from gasoline, emissions of lead from the transportation sector declined by 95% between 1980 and 1999, and levels of lead in the air decreased by 94% during the same period. Major sources of lead emissions to the air today are ore and metals processing and piston-engine aircraft using leaded aviation gasoline (EPA, 2018).

National Ambient Air Quality Standards (NAAQS)

NAAQS have been established for the six criteria air pollutants to protect human health and welfare. The WDEQ-AQD is responsible for ensuring compliance with the NAAQS within the state of Wyoming. Table 3.1 shows current NAAQS for the EPA designated criteria pollutants (EPA, 2018).

Table 3.1. Primary Criteria Pollutant NAAQS.

| Pollutant | Primary/ Secondary | Averaging Time | Level* | Form |
|--|-----------------------|-------------------------|-------------------------------|---|
| Carbon Monoxide (CO) | primary | 8 hours | 9 ppm | Not to be exceeded more than once per year |
| | | 1 hour | 35 ppm | |
| Lead (Pb) | primary and secondary | Rolling 3-month average | 0.15 $\mu\text{g}/\text{m}^3$ | Not to be exceeded |
| Nitrogen Dioxide (NO ₂) | primary | 1 hour | 100 ppb | 98 th percentile of 1-hour daily maximum concentrations, averaged over 3 years |
| | primary and secondary | 1 year | 53 ppb | Annual Mean |
| Ozone (O ₃) | primary and secondary | 8 hours | 0.070 ppm | Annual fourth-highest daily maximum 8-hour concentration, averaged over 3 years |
| Fine Particulate Matter (PM _{2.5}) | primary | 1 year | 12.0 $\mu\text{g}/\text{m}^3$ | Annual mean, averaged over 3 years |
| | secondary | 1 year | 15.0 $\mu\text{g}/\text{m}^3$ | Annual mean, averaged over 3 years |
| | primary and secondary | 24 hours | 35 $\mu\text{g}/\text{m}^3$ | 98 th percentile, averaged over 3 years |
| Coarse Particulate Matter (PM ₁₀) | primary and secondary | 24 hours | 150 $\mu\text{g}/\text{m}^3$ | Not to be exceeded more than once per year on average over 3 years |
| Sulfur Dioxide (SO ₂) | primary | 1 hour | 75 ppb | 99 th percentile of 1-hour daily maximum concentrations, averaged over 3 years |
| | Secondary | 3 hours | 0.5 ppm | Not to be exceeded more than once per year |
| * Units of measure for the standards are parts per million (ppm) by volume, parts per billion (ppb) by volume, and micrograms per cubic meter of air ($\mu\text{g}/\text{m}^3$). | | | | |

Volatile Organic Compounds

VOCs are any compound of carbon, excluding carbon monoxide, carbon dioxide, carbonic acid, metallic carbides or carbonates and ammonium carbonate, which participates in atmospheric photochemical reactions, except those designated by EPA as having negligible photochemical reactivity (EPA, 2018). While there is no NAAQS for VOCs, these are regulated by the EPA to prevent the formation of O₃, a constituent of photochemical smog. VOCs in Wyoming originate mostly from biological sources such as vegetation and soils, chemical solvents, gasoline vapors, and oil and gas production. Many VOCs are also hazardous air pollutants.

Hazardous Air Pollutants (HAPs)

Hazardous air pollutants (HAP) are known or suspected to cause cancer or other serious health effects, such as birth defects, or adverse environmental impacts. The EPA has classified 187 air pollutants as HAPs. Examples of listed HAPs associated with the oil and gas industry include formaldehyde, benzene, toluene, ethyl benzene, isomers of xylene (BTEX) compounds, and normal-hexane (n-hexane). Indicators for assessing environmental impacts from HAPs include emissions (mass per unit of time) and

concentrations (mass per volume).

The 30 requirees the EPA to regulate emissions of toxic air pollutants from a published list of industrial sources referred to as “source categories.” The EPA has developed a list of source categories that must meet control technology requirements for these toxic air pollutants. Under Section 112(d) of the CAA, the EPA is required to develop regulations establishing national emission standards for hazardous air pollutants (NESHAP) for all industries that emit one or more of the pollutants in major source quantities. These standards are established to reflect the maximum degree of reduction in HAP emissions through application of maximum achievable control technology (MACT). Source categories for which MACT standards have been implemented include oil and natural gas production and natural gas transmission and storage.

Air Quality Related Values

Air resources also encompass Air Quality Related Values (AQRVs). Air pollution can impact AQRVs through ambient exposure to elevated atmospheric concentrations, such as O₃ effects to vegetation, impairment of scenic views by PM in the atmosphere, and deposition of air pollutants, such as sulfur and nitrogen compounds on the earth’s surface through dry and wet precipitation. AQRVs are identified and managed within the respective jurisdictions of several land management agencies in designated Class I areas. The requirement to assess impacts to AQRVs is established in the CAA Prevention of Significant Deterioration (PSD) rules. PSD is a permitting program for new and modified major sources of air pollution that are located in attainment areas. The Federal land managers have the responsibility to consider whether new emissions from proposed major facilities (or modifications to major facilities) would have an adverse impact on AQRVs areas they manage. Impact indicators for visibility include changes to color and contrast for an exhaust or dust plume, or changes to light extinction (deciview) for a cumulative assessment. Indicators for deposition include the Deposition Analysis Threshold (DAT), and critical load thresholds, both measured as mass over area and time.

Greenhouse Gases

Greenhouse gases (GHGs) became regulated pollutants on January 2, 2011, under the PSD and Title V Operating Permit Programs (EPA, 2018) because of their contribution to global climate change effects. These gases absorb energy emitted from the earth’s surface and re-emit a larger portion of the heat back to the earth, rather than allowing the heat to escape into space, than would be the case under more natural conditions. The EPA’s GHG Tailoring Rule (40 CFR § 51, 52, 70, et al.) set initial emissions thresholds for PSD and Title V permitting based on carbon dioxide equivalent (CO_{2e}). These thresholds apply to stationary sources that emit greater than 100,000 tons CO_{2e} per year (e.g., power plant, or landfill, etc.) or modifications of major sources with resulting emissions increase greater than 75,000 tons CO_{2e} per year.

In addition to the Tailoring Rule, the EPA requires reporting of GHGs from facilities with stationary sources that emit 25,000 metric tons CO_{2e} per year or more in the United States. The Mandatory Reporting Rule (40 CFR § 98, Subpart C) does not require control of GHGs, it only requires that sources above the threshold levels monitor and report emissions. Facilities used for injecting carbon dioxide for geological sequestration must report net emissions regardless of quantity (40 CFR § 98, Subpart RR). This provides a basis for future EPA policy decisions and regulatory initiatives regarding GHGs. Additional regulations and policies for GHG’s are incorporated by reference from the BLM Specialist Report on Annual GHG Emissions and Climate Trends (BLM, 2021).

Air Resource Management

The airshed concept is a means for evaluating the local and regional air quality effects of a pollutant source. An airshed is a volume of air that is generally homogeneous with respect to atmospheric properties and the dispersion of air pollutants. In Wyoming, geographical and meteorological constraints often define an airshed’s boundaries and limit the dispersion of pollutants away from a source. The size of an airshed can vary from small valleys that are a few miles across to larger urban or regional areas that can be tens or hundreds of miles across.

Pollutants move through an airshed by two processes: transport and dispersion. Transport is movement caused by a time-averaged wind flow, with pollutants moving on scales of miles per hour. Dispersion is much smaller movement, primarily caused by localized turbulence on the scale of inches or feet. The transportation and dispersion extent of pollutants is the main factor for the area covered by an airshed.

Administrative Rules and Implementation Plans

To protect public health, the CAA (42 U.S.C Section 7401) requires that federal standards be set to limit the maximum levels of pollutants in the outdoor air. Each state is responsible for developing plans to demonstrate how those standards will be achieved, maintained, and enforced. The Wyoming Air Quality Board enacts rules pertaining to air quality activities and approve State Implementation Plans (SIP) to attain and maintain NAAQS. The plans and rules associated with them are enforced by the State, and, after federal approval, they are also federally enforceable. These plans are the framework for each state’s program to protect

the air. For NAAs outside of state air regulatory jurisdiction, a Federal Implementation Plan (FIP) or Tribal Implementation Plan (TIP) is developed.

Air Resource Developments

Guidance on Assessing GHG Emissions in NEPA

In 2019 the Council on Environmental Quality (CEQ) issued draft guidance on considering GHG emissions in NEPA documents (CEQ, 2019). Executive Order 13990 directs CEQ to rescind the 2019 Draft GHG Guidance and review, revise, and update its 2016 GHG Guidance. On February 19th, 2020, the CEQ rescinded (86 FR 10252) the 2019 Draft GHG Guidance. The withdrawal of this guidance does not change any law, regulation, or other legally binding requirement. CEQ will address in a separate action its review of and any appropriate revisions and updates to the 2016 GHG Guidance. In the interim, agencies should consider all available tools and resources in assessing GHG emissions and climate change effects of their proposed actions, including, as appropriate and relevant, the 2016 GHG Guidance.

NEPA Guidance

In 2020, the CEQ issued a final rule to update its regulations for Federal agencies to implement the NEPA. This guidance became effective on September 14, 2020. Secretarial Order 3399, Department-Wide Approach to the Climate Crisis and Restoring Transparency and Integrity to the Decision-Making Process (April 16, 2021), directs Bureaus/Offices to not apply the 2020 Rule in a manner that would change the application or level of NEPA that would have been applied to a proposed action before the 2020 Rule went into effect on September 14, 2020. On April 20, 2022, CEQ issued a final rule to amend certain provisions of its regulations for implementing NEPA, addressing the purpose and need of a proposed action, agency NEPA procedures for implementing CEQ's NEPA regulations, and the definition of "effects." The amendments generally restore provisions that were in effect for decades before being modified in 2020. Bureaus/Offices will continue to follow the Department's NEPA regulations at 43 C.F.R. Part 46, Department Manual procedures (516 DM Ch. 1-15), and guidance and instruction from the Office of Environmental Policy and Compliance until updated direction is provided.

2.5.3 Nonattainment Area (NAA)

Ozone

On April 30, 2012, the EPA formally recognized Wyoming's UGRB as an ozone nonattainment area with a marginal classification. As a result of the nonattainment designation, the BLM must comply with General Conformity regulations in 40 CFR 93 Subpart B and Chapter 8, Section 3 of the Wyoming Air Quality Standards and Regulations (WAQSR). Per these regulations, the BLM must demonstrate that new actions occurring within the nonattainment area will conform with the Wyoming State Implementation Plan (SIP) by demonstrating that they will not: (1) cause or contribute to a new violation of the ozone standard; (2) interfere with provisions in the SIP for maintenance of any standard; (3) increase the frequency or severity of any existing violation; or (4) delay timely attainment of any standard or any required interim emissions reductions or other milestone. The BLM must first conduct an applicability analysis to determine if this Federal action will require a conformity determination. A conformity determination must be completed for a Federal action if the total of direct and indirect emissions from the proposed project exceeds the *de minimis* levels specified in 40 CFR 93.153(b) and WAQSR Chapter 8, Section 3. For a marginal nonattainment area, the *de minimis* threshold is 100 tons/year of NO_x or VOCs (the precursor pollutants that form ozone in the atmosphere). Federal actions estimated to have an annual net emissions increase less than the *de minimis* levels are not required to demonstrate conformity under the General Conformity regulations.

In accordance with the Federal and State Conformity regulations, the General Conformity requirement does not apply to actions where the emissions are not reasonably foreseeable such as lease sales made on a broad scale followed by exploration and development plans. There are no direct effects from the proposed oil and gas lease sale because it is primarily an administrative action that only conveys the mineral rights to the potential lessee. Subsequent development proposals by lease holders will require to submittal of plans for any exploration or development that may occur and a site-specific EA or EIS would be prepared to identify mitigation measures necessary to avoid undue degradation to the environment prior to approval any development activities. General Conformity is addressed at the proposal stage when emission generating activities are reasonably foreseeable and can be quantified. Six (6) parcels are located within this non-attainment area (parcels WY-2023-06-1490, 1491, 1492, 1526, 7252 and 7259).

On August 27, 2015, the EPA published a Federal Register Notice finding that the Upper Green is attaining the ozone standard as of July 20, 2015, attainment date (see <http://www.gpo.gov/fdsys/pkg/FR-2015-08-27/pdf/2015-21196.pdf>). Formal re-designation of the area to attainment has not yet occurred.

Air Quality Conditions and Trends

Air Pollutant Concentrations

Air Quality Design Values

Design values can be used to further evaluate the air quality for areas with poor air quality. A design value describes the air quality of a location with respect to the NAAQS and are typically used to classify NAA and evaluate progress towards meeting the NAAQS. The EPA annually publishes the most recently computed design values (EPA, 2021). The PM_{2.5}, NO₂, and O₃ design values for Wyoming are presented in to . Design values for PM₁₀, CO, SO_x, and lead are below the NAAQS and can be found on the EPA website (EPA, Air Quality Design Values, 2021). The most recent design values show that O₃ is the only pollutant exceeding the NAAQS in Sublette County.

Table 3.2 County-level Design Value History for the PM_{2.5} Annual NAAQS (12 µg/m³).

| County | 2010-2012 µg/m ³ | 2011-2013 µg/m ³ | 2012-2014 µg/m ³ | 2013-2015 µg/m ³ | 2014-2016 µg/m ³ | 2015-2017 µg/m ³ | 2016-2018 µg/m ³ | 2017-2019 µg/m ³ | 2018-2020 µg/m ³ | 2019-2021 µg/m ³ | Meets NAAQS |
|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------|
| Albany | 5.0 | 4.9 | 4.8 | 4.3 | 4.1 | 4.3 | 4.6 | 4.5 | 4.9 | NA | Yes |
| Campbell | NA | NA | NA | 4.2 | 4.7 | 4.8 | 4.5 | 3.3 | NA | NA | Yes |
| Fremont | 8.3 | 7.8 | 7.4 | 6.9 | 6.6 | 6.8 | 7.2 | 7.2 | 7.2 | 2.4 | Yes |
| Laramie | 4.7 | 4.8 | 4.7 | 4.1 | 4.2 | 4.2 | 4.4 | 4.3 | 3.4 | 4.1 | Yes |
| Natrona | 4.8 | 4.8 | 4.8 | 4.6 | 4.7 | 4.9 | 5.0 | 4.7 | 4.7 | NA | Yes |
| Park | 4.7 | 4.6 | 4.4 | 4.1 | 3.8 | 4.3 | 4.3 | 4.0 | 3.8 | 4.3 | Yes |
| Sheridan | 8.3 | 7.6 | 7.2 | 6.9 | 7.0 | 7.3 | 7.2 | 7.0 | 6.5 | 6.3 | Yes |
| Sublette | NA | NA | NA | 5.0 | 5.0 | 5.1 | 5.3 | 4.7 | 3.8 | 3.5 | Yes |
| Sweetwater | 6.0 | 5.7 | 5.5 | 4.8 | 4.7 | 5.1 | 5.3 | 5.1 | NA | NA | Yes |
| Teton | 5.1 | 5.3 | 5.2 | 4.7 | 4.5 | 4.6 | 4.8 | 4.5 | 4.5 | 4.4 | Yes |

Table 3.3 County-level Design Value History for the PM_{2.5} 24-hour NAAQS (35 µg/m³).

| County | 2010-2012 µg/m ³ | 2011-2013 µg/m ³ | 2012-2014 µg/m ³ | 2013-2015 µg/m ³ | 2014-2016 µg/m ³ | 2015-2017 µg/m ³ | 2016-2018 µg/m ³ | 2017-2019 µg/m ³ | 2018-2020 µg/m ³ | 2019-2021 µg/m ³ | Meets NAAQS |
|------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------|
| Albany | 14 | 12 | 13 | 13 | 13 | 13 | 13 | 13 | 21 | NA | Yes |
| Campbell | NA | NA | NA | 16 | 14 | 19 | 19 | 15 | NA | NA | Yes |
| Fremont | 29 | 28 | 27 | 25 | 23 | 23 | 24 | 25 | 28 | NA | Yes |
| Laramie | 12 | 12 | 13 | 16 | 17 | 15 | 11 | 11 | 18 | 15 | Yes |
| Natrona | 14 | 14 | 15 | 14 | 13 | 16 | 17 | 16 | 20 | 23 | Yes |
| Park | 13 | 14 | 14 | 15 | 17 | 23 | 22 | 17 | 20 | 22 | Yes |
| Sheridan | 23 | 20 | 18 | 24 | 26 | 24 | 23 | 21 | 24 | 27 | Yes |
| Sublette | NA | NA | NA | 13 | 13 | 16 | 20 | 18 | 17 | 18 | Yes |
| Sweetwater | 17 | 17 | 16 | 13 | 15 | 19 | 20 | 19 | NA | NA | Yes |
| Teton | 15 | 16 | 16 | 13 | 13 | 15 | 18 | 19 | 24 | 30 | Yes |

Table 3.4 County-level Design Value History for the NO₂ 1-Hour NAAQS (100 ppb).

| County | 2010-2012 (ppb) | 2011-2013 (ppb) | 2012-2014 (ppb) | 2013-2015 (ppb) | 2014-2016 (ppb) | 2015-2017 (ppb) | 2016-2018 (ppb) | 2017-2019 (ppb) | 2018-2020 (ppb) | 2019-2021 (ppb) | Meets NAAQS |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| Campbell | 32 | 32 | 35 | 49 | 31 | 30 | 29 | 30 | NA | NA | Yes |
| Carbon | NA | NA | NA | NA | NA | NA | 29 | 29 | 29 | 30 | Yes |
| Converse | NA | NA | NA | NA | 35 | 4 | 31 | 31 | 13 | 15 | Yes |
| Fremont | NA | 5 | 5 | 5 | 5 | 35 | 4 | 4 | 4 | 4 | Yes |
| Laramie | NA | 35 | NA | NA | 40 | 40 | 34 | 33 | 31 | 29 | Yes |
| Natrona | NA | NA | NA | NA | NA | NA | 38 | 36 | 35 | 34 | Yes |
| Sublette | 8 | 30 | 22 | 19 | 20 | 24 | 24 | 24 | 19 | 18 | Yes |
| Sweetwater | 37 | 22 | 20 | 35 | 32 | 32 | 32 | 35 | 36 | 35 | Yes |
| Uinta | 13 | 12 | 12 | 12 | 12 | 13 | 13 | 14 | NA | NA | Yes |

Table 3.5 County-level Design Value History for the NO₂ Annual NAAQS (53 ppb).

| County | 2010-2012 (ppb) | 2011-2013 (ppb) | 2012-2014 (ppb) | 2013-2015 (ppb) | 2014-2016 (ppb) | 2015-2017 (ppb) | 2016-2018 (ppb) | 2017-2019 (ppb) | 2018-2020 (ppb) | 2019-2021 (ppb) | Meets NAAQS |
|------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| Campbell | 8 | 9 | 10 | 7 | 4 | 5 | 5 | 4 | 1 | 1 | Yes |
| Carbon | 1 | 1 | 6 | 7 | 5 | 6 | 5 | 3 | 4 | 4 | Yes |
| Converse | NA | 3 | 4 | 4 | 2 | 3 | 3 | 3 | 2 | 1 | Yes |
| Fremont | 1 | 1 | 2 | 1 | 1 | 0 | 1 | 1 | 1 | 1 | Yes |
| Goshen | NA | NA | NA | NA | 4 | NA | NA | 1 | NA | NA | Yes |
| Johnson | NA | NA | NA | NA | NA | NA | NA | 3 | 1 | 1 | Yes |
| Laramie | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 4 | 3 | 3 | Yes |
| Natrona | 5 | 6 | 5 | 5 | 5 | 5 | 5 | 2 | 4 | 5 | Yes |
| Sublette | 3 | 2 | 2 | 1 | 3 | 5 | 6 | 3 | 2 | 2 | Yes |
| Sweetwater | 5 | 4 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 3 | Yes |
| Uinta | 2 | 2 | 2 | 2 | 2 | 2 | 2 | 2 | NA | NA | Yes |

Table 3.6 County-level Design Value History for the Ozone 8-hr NAAQS (0.070 ppm).

| County | 2010-2012 (ppm) | 2011-2013 (ppm) | 2012-2014 (ppm) | 2013-2015 (ppm) | 2014-2016 (ppm) | 2015-2017 (ppm) | 2016-2018 (ppm) | 2017-2019 (ppm) | 2018-2020 (ppm) | 2019-2021 (ppm) | Meets NAAQS |
|----------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-------------|
| Albany | NA | NA | 0.068 | 0.066 | 0.064 | 0.064 | 0.066 | 0.067 | 0.067 | 0.067 | Yes |
| Big Horn | NA | NA | NA | 0.059 | 0.060 | 0.063 | 0.061 | 0.060 | 0.059 | 0.060 | Yes |
| Campbell | 0.065 | 0.064 | 0.063 | 0.060 | 0.060 | 0.060 | 0.062 | 0.061 | 0.060 | 0.064 | Yes |
| Carbon | 0.064 | 0.062 | 0.062 | 0.060 | 0.059 | 0.061 | 0.063 | 0.064 | NA | NA | Yes |
| Converse | NA | NA | NA | NA | NA | NA | NA | 0.063 | 0.064 | NA | Yes |
| Fremont | 0.067 | 0.066 | 0.064 | 0.063 | 0.063 | 0.062 | 0.063 | 0.064 | 0.065 | 0.068 | Yes |
| Johnson | NA | NA | NA | NA | NA | NA | NA | NA | NA | 0.066 | Yes |
| Laramie | NA | 0.068 | 0.067 | 0.065 | 0.063 | 0.063 | 0.064 | 0.064 | 0.062 | 0.064 | Yes |

| | | | | | | | | | | | |
|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-----|
| Natrona | NA | NA | NA | 0.062 | 0.060 | 0.061 | 0.063 | 0.062 | 0.063 | 0.065 | Yes |
| Sublette | 0.080 | 0.076 | 0.064 | 0.062 | 0.063 | 0.063 | 0.065 | 0.072 | 0.070 | 0.074 | No |
| Sweetwater | 0.064 | 0.066 | 0.064 | 0.067 | 0.066 | 0.067 | 0.066 | 0.066 | 0.065 | 0.066 | Yes |
| Teton | 0.066 | 0.065 | 0.063 | 0.061 | 0.060 | 0.061 | 0.062 | 0.062 | 0.063 | 0.064 | Yes |
| Uinta | 0.065 | 0.065 | 0.063 | 0.063 | 0.061 | 0.062 | 0.062 | 0.065 | 0.067 | NA | Yes |
| Weston | NA | NA | NA | 0.062 | 0.060 | 0.061 | NA | NA | 0.062 | 0.064 | Yes |

Monitoring Data

State, Federal, and Tribal agencies operate several air pollutant monitoring stations across the State of Wyoming. Air pollutant data from these stations is available on the EPA Air Data website (EPA, 2022). Most air monitors are situated to measure air quality in both neighborhoods and industrial areas. A few stations are in rural areas by various Federal agencies to monitor air quality conditions and trends at National Parks and other public lands, and to identify background concentrations away from major emission sources. The WDEQ 2022 Network Plan shows air pollutant trends for state run monitoring stations (WDEQ, 2022). Air monitoring data from the current year is not analyzed as data is incomplete for the year, in the process of being quality assured, and considered preliminary until May 1 of the following year.

3.2 Greenhouse Gas Emissions

The proposed leasing action could lead to emissions of carbon dioxide (CO₂), methane (CH₄), and nitrous oxide (N₂O), the three most common greenhouse gases associated with oil and gas development. These GHG emissions would be emitted from leased parcels if developed, and from the consumption of any fluid minerals that may be produced. However, the BLM cannot reasonably determine at the leasing stage whether, when, and in what manner a lease would be explored or developed. The uncertainty that exists at the time the BLM offers a lease for sale includes crucial factors that would affect actual GHG emissions and associated impacts, including but not limited to the future feasibility of developing the lease, well density, geological conditions, development type (vertical, directional, or horizontal), hydrocarbon characteristics, specific equipment used during construction, drilling, production, abandonment operations, production and transportation, and potential regulatory changes over the 10-year primary lease term.

For the purposes of this analysis, the BLM has evaluated the potential effects of the proposed leasing action on climate change by estimating and analyzing potential GHG emissions from projected oil and gas development on the parcels proposed for leasing using estimates based on past oil and gas development and available information from existing development within the State.

Additional discussion of climate change science and predicted impacts as well as the reasonably foreseeable and cumulative GHG emissions associated with BLM's oil and gas leasing actions are included in the *BLM Specialist Report on Annual Greenhouse Gas Emissions and Climate Trends (2020)* (hereinafter referred to as the Annual GHG Report). This report presents the estimated emissions of greenhouse gases attributable to fossil fuels produced on lands and mineral estate managed by the BLM. The Annual GHG Report is incorporated by reference as an integral part of the analysis for this proposed lease sale and is available at <https://www.blm.gov/content/ghg/>

Climate change is a global process that is affected by the sum total of GHGs in the Earth's atmosphere. The incremental contribution to global GHGs from a single proposed land management action cannot be accurately translated into its potential effect on global climate change or any localized effects in the area specific to the action. Currently, global climate models are unable to forecast local or regional effects on resources. However, there are general projections regarding potential impacts on natural resources and plant and animal species that may be attributed to climate change from GHG emissions over time. GHGs influence the global climate by increasing the amount of solar energy retained by land, water bodies, and the atmosphere. GHGs can have long atmospheric lifetimes, which allows them to become well mixed and uniformly distributed over the entirety of the Earth's surface no matter their point of origin. Therefore, potential emissions from the proposed action can be compared to state, national and global GHG emission totals to provide context of their significance and potential contribution to climate change impacts.

Table 3.7 shows the total estimated GHG emissions from fossil fuels at the global and national scales over the last five years. Emissions are shown in megatonnes (Mt) per year of carbon dioxide equivalent (CO₂e). Table 3.8 shows the calculated GHG emissions (in megatonnes of CO₂e) for all federal fossil fuels (includes off-shore oil and gas production) based on current 2020 production data obtained from the Department of the Interior's Office of Natural Resources Revenue (ONRR), as well as the percent contribution from federal fossil fuels to total U.S. fossil fuel GHG emissions. Chapter 3 of the Annual GHG Report contains additional information on greenhouse gases and an explanation of CO₂e. Table 3.9 shows GHG emissions data from the largest greenhouse gas emitting facilities as reported to the U.S. Environmental Protection Agency (EPA) through its Greenhouse Gas Reporting Program (GHGRP) for those states associated with this potential leasing action. Table 3.9 also shows energy-related CO₂ emissions reported by the U.S. Energy Information Administration (EIA) in its annual State Energy-Related Carbon Dioxide Emissions Tables (EIA, 2021a). State energy-related CO₂ emissions include emissions from fossil fuel use across all sectors (residential, commercial, industrial, transportation, and electricity generation) and are released at the location where the fossil fuels are consumed.

Additional information on current state, national, and global GHG emissions as well as the methodology and parameters for estimating emissions from BLM fossil fuel authorizations and cumulative GHG emissions is included in the Annual GHG Report (see Chapters 4, 5, and 6).

Table 3.7 Global and U.S. GHG Emissions 2016-2020 (Mt CO₂/yr)

| Scale | 2016 | 2017 | 2018 | 2019 | 2020 |
|--------|----------|----------|----------|----------|----------|
| Global | 36,465.6 | 36,935.6 | 37,716.2 | 37,911.4 | 35,962.9 |
| U.S. | 5,077.0 | 5,005.5 | 5,159.3 | 5,036.0 | 4,535.3 |

Source: Annual GHG Report, Ch.6, Table 6-1
Mt (megatonne) = 1 million tons

Table 3.8 2020 Federal Fossil Fuel GHG Emissions and Percent Federal Contribution (Mt CO₂e/yr)

| | U.S. Total | Federal Total ¹ | % Contribution of Federal Emissions |
|-------|------------|----------------------------|-------------------------------------|
| Coal | 1,248.1 | 490.9 | 39.34 |
| Oil | 2,363.2 | 516.4 | 21.86 |
| Gas | 2,726.4 | 316.2 | 11.61 |
| Total | 6,337.7 | 1,324.3 | 20.9 |

1. Federal Total includes emission estimates for both on-shore and off-shore oil and gas production for 2020 based on current ONRR production data found in <https://revenuedata.doi.gov/downloads/production/>

Table 3.9 State GHG Emissions

| State | EPA – GHGRP Large Emitters (Mt CO ₂ /yr) | | | EIA Energy-related CO ₂ Emissions (Mt/yr) |
|-------|---|--------------|-----------------------------------|--|
| | Total Reported | Power Plants | Petroleum and Natural Gas Systems | |
| WY | 54.5 | 39.1 | 5.2 | 63.6 |

Source: Annual GHG Report, CH. 6, Table 6-3; Energy Information Administration

3.2.1 Monetized Impacts from GHG Emissions

The “social cost of carbon”, “social cost of nitrous oxide”, and “social cost of methane” – together, the “social cost of greenhouse gases” (SC-GHG) are estimates of the monetized damages associated with incremental increases in GHG emissions in a given year.

On January 20, 2021, President Biden issued E.O. 13990, *Protecting Public Health and the Environment and Restoring Science to Tackle the Climate Crisis*.¹ Section 1 of E.O. 13990 establishes an Administration policy to, among other things, listen to the science; improve public health and protect our environment; ensure access to clean air and water; reduce greenhouse gas emissions; and bolster resilience to the impacts of climate change.² Section 2 of the E.O. calls for Federal agencies to review existing regulations and policies issued between January 20, 2017, and January 20, 2021, for consistency with the policy articulated in the E.O. and to take appropriate action.

Consistent with E.O. 13990, the Council on Environmental Quality (CEQ) rescinded its 2019 “Draft National Environmental Policy Act Guidance on Considering Greenhouse Gas Emissions” and has begun to review for update its “Final Guidance for Federal Departments and Agencies on Consideration of Greenhouse Gas Emissions and the Effects of Climate Change in National Environmental Policy Act Reviews” issued on August 5, 2016 (2016 GHG Guidance).³ While CEQ works on updated guidance, it has instructed agencies to consider and use all tools and resources available to them in assessing GHG emissions and climate change effects including the 2016 GHG Guidance.⁴

Regarding the use of Social Cost of Carbon or other monetized costs and benefits of GHGs, the 2016 GHG Guidance noted that NEPA does not require monetizing costs and benefits.⁵ It also noted that “the weighing of the merits and drawbacks of the various alternatives need not be displayed using a monetary cost-benefit analysis and should not be when there are important qualitative considerations.”⁶

Section 5 of E.O. 13990 emphasized how important it is for federal agencies to “capture the full costs of greenhouse gas emissions as accurately as possible, including by taking global damages into account” and established an Interagency Working Group on the Social Cost of Greenhouse Gases (the “IWG”).⁷ In February of 2021, the IWG published *Technical Support Document: Social Cost of Carbon, Methane, and*

¹ 86 FR 7037 (Jan. 25, 2021).

² *Id.*, sec. 1.

³ 86 FR 10252 (February 19, 2021).

⁴ *Id.*

⁵ 2016 GHG Guidance, p. 32, available at: https://ceq.doe.gov/docs/ceq-regulations-and-guidance/nepa_final_ghg_guidance.pdf

⁶ *Id.*

⁷ E.O. 13990, Sec. 5.

Nitrous Oxide: Interim Estimates under Executive Order 13990 (IWG, 2021).⁸ This is an interim report that updated previous guidance from 2016.

3.2.2 Estimated GHG Emissions for Reasonably Foreseeable Environmental Trends and Planned Actions

The analysis of GHGs contained in this EA includes estimated emissions from those parcels being offered in this lease sale as described above. In addition to this lease sale, the BLM is offering parcels in four other BLM administrative units within the second quarter of 2023. The estimated GHG emissions from parcels being offered in each of those individual sales is contained in the associated EA for each sale. When analyzing the potential impacts from multiple lease sales, it is important to note that it is the actual production of fossil fuel commodities on leased parcels that generates GHG emissions and not the offering of acres or parcels for lease in a particular grouping of lease sales. Parcels offered in a lease sale may or may not be sold, and sold parcels may or may not go into production for several years, if at all. Typically, lease sales in different BLM administrative units are not offered on the same date and each administrative unit has discretion to defer its sale or defer or add parcels as a result of scoping and protests. The dynamic nature of the lease sale process and independence of each administrative unit for constructing its lease sales, precludes an analysis of potential GHG emissions that could occur from other lease sales that might occur in the same quarter. In addition, combining all of the offered parcels from multiple lease sales that

may occur over a 3-month period, assuming all acres will be sold and produce immediately, and estimating GHG emissions from development on the offered acreage based on these assumptions would result in an inflated, unrealistic, quantity of estimated emissions that would not be useful to the decision maker and would not accurately inform the public of the magnitude of probable cumulative emissions and impacts.

An assessment of GHG emissions from BLM's fossil fuel authorizations including coal leasing and oil and gas development is included in the BLM Specialist Report on Annual GHG Emissions (referred to as Annual Report, see Chapter 5). The Annual Report includes estimates of reasonably foreseeable GHG emissions related to BLM lease sales anticipated during the calendar year, as well as the best estimate of emissions from ongoing production, and development of parcels sold in previous lease sales. It is, therefore, an estimate of cumulative GHG emissions from the BLM fossil fuel leasing program based on actual production and statistical trends.

The Annual Report provides an estimate of short-term and long-term GHG emissions from lease sale activity across the BLM. The short-term methodology presented in the Annual Report includes a trends analysis of (1) leased federal lands that are held-by-production, (2) approved applications for permit to drill (APDs), and (3) leased lands from competitive lease sales occurring over the next annual reporting cycle (12 months), to provide a 30-year projection of potential emissions from Federal lease actions over the next 12 months. The long-term methodology uses oil and gas production forecasts from the Energy Information Administration (EIA) to estimate GHG emissions out to 2050 that could occur from past, present, and future oil and gas development. For both methodologies, the emissions are calculated using life-cycle-assessment (LCA) emissions and data factors. These analyses are the basis for projecting GHG emissions from lease parcels that are likely to go into production during the analysis period of the Annual Report and represent both a hard look at GHG emissions from fossil fuel leasing and the best available estimate of reasonably foreseeable cumulative emissions related to any one lease sale or set of quarterly lease sales. Table 3.10 shows the cumulative estimated GHG emissions from the development of the projected lease sale acres in 2022 using the methodology described above. The 5-year lease averages include all types of oil and gas development related leases, including leases granted under the Mineral Leasing Act as well as other authorities, that have been issued over the last five years. As such the projections made from the 5-year averages represent the potential for all types of future potential oil and gas leasing activity, and although not at exact acreage levels, would account for the proposed action. However, they may also over-estimate the potential emissions from the 12-month cycle of competitive oil and gas leasing activities if the projected lease sale activity does not actually occur.

Table 3.10 Reasonably Foreseeable Projected Emissions

| State (BLM Administrative Unit) | Annual Report Table 4-8 Projected Lease Acres 2022 | Annual Report Figure 5-1 GHG Emissions from Projected Lease Acres 2022 (Mt CO ₂ e per year) |
|------------------------------------|--|--|
| Alabama (ES) | 1 | 0.00 |
| Alaska | 356,021 | 9.33 |
| Arkansas (ES) | 536 | 0.04 |
| California | 184 | 0.02 |
| Colorado | 67,268 | 10.21 |
| Idaho | 1,881 | 0.03 |
| Kansas (ES) | 287 | 0.02 |
| Kentucky (ES) | 37 | 0.01 |
| Louisiana (ES) | 9,334 | 2.59 |
| Michigan (ES) | 5,006 | 0.17 |
| Mississippi (ES) | 2,609 | 0.06 |
| Montana | 60,807 | 2.48 |
| Nebraska (WY) | 19 | 0.01 |
| Nevada | 155,583 | 0.29 |
| New Mexico | 38,926 | 22.90 |

| | | |
|--------------------|------------------|---------------|
| North Dakota (MT) | 2,477 | 0.07 |
| Ohio (ES) | 681 | 0.18 |
| Oklahoma (NM) | 2,052 | 0.05 |
| South Dakota (MT) | 1,543 | 0.02 |
| Texas (NM) | 1,602 | 0.09 |
| Utah | 141,832 | 9.13 |
| West Virginia (ES) | 42 | 0.01 |
| Wyoming | 562,985 | 88.87 |
| Total | 1,411,713 | 146.56 |

3.2.3 Mitigation Strategies

GHG emissions contribute to changes in atmospheric radiative forcing resulting in climate change impacts. GHGs act to contain solar energy loss by trapping longer wave radiation emitted from the Earth's surface and act as a positive radiative forcing component. The buildup of these gases has contributed to the current changing state of the climate equilibrium towards warming. Chapters 8 and 9 of the Annual Report provides a detailed discussion of climate change science, trends, and impacts. The relationship between GHG emissions and climate impacts is complex, but a project's potential to contribute to climate change is reduced as its net emissions are reduced. When net emissions approach zero, the project has little or no contribution to climate change. Net-zero emissions can be achieved through a combination of controlling and offsetting emissions. Emission controls (e.g., vapor recovery devices, no-bleed pneumatics, leak detection and repair, etc.) can substantially limit the amount of GHGs emitted to the atmosphere, while offsets (e.g., sequestration, low carbon energy substitution, plugging abandoned or uneconomical wells, etc.) can remove GHGs from the atmosphere or reduce emissions in other areas. Chapter 10 of the Annual Report provides a more detailed discussion of GHG mitigation strategies.

The Federal government includes several agencies that work responsibly in concert for implementing climate change strategies and meeting U.S. emissions reduction goals all while supporting U.S. oil and gas development and operations. The EPA is the Federal agency charged with regulation of air pollutants and establishing standards for protection of human health and the environment. EPA has issued regulations that will reduce GHG emissions from any development related to the proposed leasing action. These regulations include the New Source Performance Standard for Crude Oil and Natural Gas Facilities (49 CFR 60, subpart OOOOa) which imposes emission limits, equipment design standards and monitoring requirements on oil and gas facilities. A detailed discussion of existing regulations and Executive Orders that apply to BLM management of federal lands as well as current Federal and state regulations that apply to oil and gas development and production can be found in Chapter 2 of the Annual Report.

The majority of GHG emissions resulting from federal fossil fuel authorizations occur outside of the BLM's authority and control. These emissions are referred to as indirect emissions and generally occur off-lease during the transport, distribution, refining, and end-use of the produced federal minerals. The BLM's regulatory authority is limited to those activities authorized under the terms of the lease, which primarily occur in the "upstream" portions of natural gas and petroleum systems. This decision authority is applicable when development is proposed on public lands and BLM assesses its specific location, design and proposed operation. In carrying out its responsibilities under NEPA, the BLM has developed Best Management Practices (BMPs) designed to reduce emissions from field production and operations. BMPs may include limiting emissions on stationary combustion sources, mobile combustion sources, fugitive sources, and process emissions occurring on a lease parcel. Analysis and approval of future development may include application of BMPs within BLM's authority, as Conditions of Approval or Lease Stipulations, to reduce or mitigate GHG emissions. Additional measures proposed at the project development stage may be incorporated as applicant-committed measures by the project proponent or added to necessary air quality permits. Additional information on mitigation strategies, including emissions controls and offset options, are provided Chapter 10 of the Annual GHG Report.

3.3 Water Resources

Surface water hydrology within the area is typically influenced by geology, soil characteristics, precipitation, and vegetation. Anthropogenic factors that currently affect surface water resources include livestock grazing management, private, commercial, and industrial development, recreational use, drought, and vegetation control treatments. Based on best available data, the vast majority of the nominated parcels are within the following HUC8 watersheds: Vermilion, Muddy, Bitter, and Great Divide Closed Basin. The remaining parcels are in the Greybull, Upper Bighorn, Nowood, Horse, Little Snake, New Fork, Crazy Woman, Little Powder, Little Wind, Lower Wind, Middle North Platte-Scotts Bluff, Upper Cheyenne, Upper Tongue, Salt, Antelope, Beaver, Muddy, , Dry, Big Horn Lake, Big Horn Lake, Lightning, Lance, Upper Little Missouri, Upper Bear, Big Sandy, Upper Wind, Upper Powder, Upper Green, Medicine Bow, and Upper Belle Fourche HUC8 units.

Groundwater hydrology within the area is influenced by geology and recharge rates. Groundwater quality and quantity can be influenced by precipitation, water supply wells and various disposal activities. Groundwater quality across the applicable field offices varies with depth from potable waters with low total dissolved solids (TDS) to highly saline, non-potable sources. Most of the groundwater in Wyoming is used for industrial, domestic and livestock/irrigation purposes. The information contained in Appendix 4.4, Hydraulic Fracturing White Paper (see section entitled *Operational Issues/Water Availability and Consumption Estimates*) is incorporated by reference.

Several parcels contain land with private surface overlying federal minerals (i.e., split-estate). The private surface lands have or have the potential to contain private residences and associated facilities such as domestic or stock water supply wells. Lands used as rangeland can also have stock water supply wells.

3.4 Greater Sage-Grouse

Conservation of the Greater Sage-Grouse (*Centrocercus urophasianus*) and their habitats is a critical land-management issue for the BLM, the public, and the BLM's partner agencies across the West.

The Greater Sage-Grouse currently occupies approximately about one-half of their historic distribution. On October 2, 2015, the U.S. Fish and Wildlife Service (FWS) published its finding that listing of the Greater Sage-Grouse under the Endangered Species Act of 1973 was not warranted. The FWS's finding was based, in part, on the conservation strategies developed in Wyoming and other states which led the FWS to conclude that "the primary threats to greater sage-grouse have been ameliorated by conservation efforts implemented by Federal, State, and private landowners." (80 FR 59858, dated October 2, 2015). As the FWS also acknowledged (id. at page 59882):

The key component of the Wyoming Plan is the application of State's regulatory measures associated with the Wyoming Plan on all lands in Wyoming... The Federal Plans in the State incorporate the Wyoming strategy,^[12] thereby ensuring implementation of the strategy on Federal land surfaces and subsurface regardless of the need for a State permit (see further discussion below). The completion of the Federal plans also facilitates greater coordination between the State and Federal agencies in implementing and monitoring the Wyoming Plan. This addition to the Wyoming Plan further increases the value of this effort in conserving sage-grouse by covering all lands in the State with a single regulatory framework to reduce affects to sage-grouse in the most important habitats in the State. Therefore, the strategy conserves sage-grouse through an effective regulatory mechanism for conservation.

For BLM-administered public lands in Wyoming, the BLM incorporated the State's Greater Sage-Grouse conservation strategy by revising and amending its RMPs. The State of Wyoming's Core Area Protection strategy for Greater Sage-Grouse "is based on the principle that conservation of important habitat essential to the maintenance of Greater Sage-Grouse and activities important to the State's economy are not mutually exclusive." (State of Wyoming Governor's Executive Order 2019-3, at Appendix A, page 5). The important habitat areas referred to in Executive Order (EO) 2019-3 are the Core Population Areas (CPAs), Connectivity Areas and Winter Concentration Areas designed by the State of Wyoming's Sage-Grouse Implementation Team (SGIT). These CPAs encompass approximately 83% of the Greater Sage-Grouse population within the State (see 80 FR 59882) as identified by peak male lek attendance, and were mapped by the SGIT to:¹³

...assimilate[] the highest sage-grouse density areas identified [in published conservation studies] as they were identified as the

most productive habitats for sage-grouse in Wyoming. In addition, the mapping of Core Areas considered current and potential energy development and encapsulated areas historically low in production [citation omitted]...

To assist in the implementation of the RMP management decisions, the BLM issued several Instruction Memorandums (IMs) to help provide guidance. One of these was Instruction Memorandum 2016-143 (IM-2016-143 - “Implementation of Greater Sage-grouse Resource Management Plan Revisions or Amendments -Oil & Gas Leasing and Development Sequential Prioritization”) which was issued on September 1, 2016. On December 27, 2017, IM 2016-143 was rescinded and replaced with IM No. 2018-026 (“Implementation of Greater Sage-grouse Resource Management Plan Revisions or Amendments -Oil & Gas Leasing and Development Prioritization Objective”). On March 15, 2019, the Wyoming Greater Sage-Grouse Approved Resource Management Plan Amendment and Record of Decision was signed. Through a District of Idaho court decision (*Western Watersheds Project et al v Schneider*, 1:16-cv-00083-BLW) BLM was enjoined from implementing the 2019 BLM Sage-Grouse Plan Amendments for Idaho, Wyoming, Colorado, Utah, Nevada/Northeastern California, and Oregon, until such time as the Court can adjudicate the claims on the merits. The 2015 Plans remain in effect during this time. On February 27, 2020, a separate court decision from the District of Idaho (*Western Watersheds Project et al v.*

Bernhardt, 1:18-cv-00187-REB) enjoined certain provisions of the IM-2018-034 and replaced them with provisions from the IM-2010-117. Finally, a third case from the District of Montana (*Montana Wildlife Federation v. Bernhardt*, 4:18-cv-00069-BMM) vacated IM-2018-026. Due to these decisions, BLM WSO developed a new strategy to prioritize leasing within sage-grouse habitats, which is incorporated in chapter 4 of this EA.

The BLM has identified parcels are located within four (4) miles of a Greater Sage-Grouse lek. BLM used four miles based upon how the Wyoming Core Area Strategy was developed, which BLM then incorporated into the 2015 ARMPA. For consistency, BLM also used this same four-mile approach for parcels and leks in GHMA. The following table indicates which parcels are located within four miles of a Greater Sage-Grouse lek.

Table 3.11: Greater Sage-Grouse Lek Distance

| 2023-06 Parcel Num. | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------------|--------------------------|--------|---------|---------|---------|
| 0001 | Non-Habitat | - | - | - | - |
| 1326 | GHMA | - | - | - | - |
| 1327 | GHMA | - | - | - | X |
| 1328 | GHMA | - | - | - | - |
| 1329 | GHMA | - | - | X | X |
| 1330 | GHMA | - | - | - | X |
| 1331 | GHMA | X | X | X | X |
| 1332 | GHMA | - | - | X | X |
| 1333 | GHMA | - | X | X | X |
| 1334 | GHMA | - | X | X | X |
| 1335 | PHMA | - | - | - | X |
| 1336 | PHMA | - | - | - | X |
| 1337 | GHMA | - | X | X | X |
| 1338 | GHMA | - | X | X | X |
| 1339 | GHMA | - | - | - | - |
| 1340 | GHMA | - | - | - | - |
| 1341 | GHMA | - | - | - | - |
| 1342 | GHMA | - | - | - | - |
| 1343 | GHMA | - | - | - | - |
| 1344 | GHMA | - | - | - | - |
| 1345 | GHMA | - | - | - | - |
| 1346 | PHMA | - | - | X | X |
| 1347 | GHMA | - | - | - | X |

| 2023-06 Parcel Num. | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------------|--------------------------|--------|---------|---------|---------|
| 1348 | GHMA | - | - | - | X |
| 1349 | PHMA | - | - | X | X |
| 1350 | GHMA | - | - | - | - |
| 1351 | GHMA | - | X | X | X |
| 1352 | GHMA | - | X | X | X |
| 1353 | GHMA | - | - | - | - |
| 1354 | PHMA | - | X | X | X |
| 1355 | GHMA | - | - | X | X |
| 1356 | GHMA | - | X | X | X |
| 1357 | GHMA | X | X | X | X |
| 1358 | GHMA | X | X | X | X |
| 1359 | PHMA | - | X | X | X |
| 1361 | GHMA | - | - | - | - |
| 1362 | GHMA | - | - | - | X |
| 1363 | GHMA | - | - | - | - |
| 1364 | GHMA | X | X | X | X |
| 1365 | PHMA | - | X | X | X |
| 1399 | PHMA | - | X | X | X |
| 1400 | GHMA | - | - | - | - |
| 1401 | GHMA | - | - | - | X |
| 1402 | PHMA | X | X | X | X |
| 1404 | GHMA | - | X | X | X |
| 1405 | GHMA | X | X | X | X |
| 1407 | GHMA | X | X | X | X |
| 1408 | GHMA | - | - | - | X |
| 1410 | GHMA | - | - | - | - |
| 1411 | GHMA | - | - | - | - |
| 1412 | GHMA | - | - | - | - |
| 1413 | GHMA | - | - | X | X |
| 1414 | PHMA | - | - | - | - |
| 1415 | GHMA | - | - | - | - |
| 1419 | PHMA | - | X | X | X |
| 1421 | GHMA | - | - | - | - |
| 1422 | PHMA | X | X | X | X |
| 1425 | PHMA | X | X | X | X |
| 1426 | PHMA | X | X | X | X |
| 1429 | PHMA | X | X | X | X |
| 1430 | PHMA | X | X | X | X |
| 1431 | GHMA | - | - | X | X |
| 1434 | PHMA | - | X | X | X |
| 1436 | GHMA | X | X | X | X |
| 1437 | PHMA | - | X | X | X |
| 1438 | GHMA | - | X | X | X |
| 1439 | PHMA | - | - | X | X |
| 1440 | GHMA | X | X | X | X |
| 1441 | GHMA | X | X | X | X |
| 1443 | GHMA | X | X | X | X |
| 1444 | PHMA | - | - | X | X |
| 1446 | PHMA | - | - | X | X |
| 1447 | PHMA | X | X | X | X |

| 2023-06 Parcel Num. | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------------|--------------------------|--------|---------|---------|---------|
| 1448 | PHMA | - | - | X | X |
| 1449 | PHMA | X | X | X | X |
| 1451 | PHMA | - | - | X | X |
| 1452 | PHMA | X | X | X | X |
| 1453 | PHMA | X | X | X | X |
| 1454 | PHMA | - | - | X | X |
| 1455 | PHMA | - | X | X | X |
| 1456 | PHMA | X | X | X | X |
| 1457 | PHMA | X | X | X | X |
| 1458 | GHMA | - | - | - | - |
| 1459 | PHMA | X | X | X | X |
| 1462 | PHMA | - | - | X | X |
| 1463 | PHMA | - | - | - | X |
| 1464 | PHMA | X | X | X | X |
| 1465 | PHMA | - | - | X | X |
| 1470 | GHMA | - | - | - | - |
| 1475 | GHMA | - | - | - | X |
| 1477 | GHMA | - | - | - | X |
| 1478 | PHMA | - | X | X | X |
| 1479 | GHMA | - | - | - | - |
| 1480 | GHMA | - | - | - | X |
| 1481 | GHMA | - | - | X | X |
| 1483 | GHMA | - | - | - | - |
| 1484 | GHMA | - | - | X | X |
| 1485 | GHMA | - | - | - | - |
| 1486 | GHMA | - | - | - | - |
| 1488 | GHMA | - | - | - | X |
| 1489 | GHMA | - | - | - | X |
| 1490 | GHMA | - | X | X | X |
| 1491 | PHMA | X | X | X | X |
| 1492 | PHMA | X | X | X | X |
| 1493 | Non-Habitat | - | - | - | - |
| 1494 | Non-Habitat | - | - | - | - |
| 1495 | GHMA | - | - | - | X |
| 1496 | GHMA | - | - | - | X |
| 1497 | GHMA | - | X | X | X |
| 1498 | PHMA | - | - | X | X |
| 1499 | PHMA | - | X | X | X |
| 1500 | PHMA | - | X | X | X |
| 1501 | GHMA | - | - | X | X |
| 1502 | GHMA | - | - | - | - |
| 1503 | GHMA | - | - | X | X |
| 1504 | GHMA | X | X | X | X |
| 1505 | GHMA | X | X | X | X |
| 1506 | PHMA | X | X | X | X |
| 1507 | PHMA | X | X | X | X |
| 1508 | PHMA | X | X | X | X |
| 1509 | GHMA | X | X | X | X |
| 1510 | GHMA | - | - | - | X |
| 1511 | PHMA | - | - | - | X |

| 2023-06 Parcel Num. | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------------|--------------------------|--------|---------|---------|---------|
| 1512 | GHMA | - | - | - | - |
| 1513 | GHMA | - | - | - | X |
| 1514 | GHMA | - | - | X | X |
| 1515 | GHMA | - | - | - | - |
| 1516 | GHMA | X | X | X | X |
| 1517 | GHMA | - | X | X | X |
| 1520 | PHMA | X | X | X | X |
| 1521 | PHMA | X | X | X | X |
| 1522 | PHMA | - | X | X | X |
| 1523 | PHMA | - | X | X | X |
| 1524 | GHMA | - | X | X | X |
| 1525 | GHMA | - | X | X | X |
| 1526 | PHMA | X | X | X | X |
| 1527 | GHMA | - | - | X | X |
| 1528 | GHMA | - | - | - | - |
| 1529 | GHMA | X | X | X | X |
| 1530 | PHMA | - | - | X | X |
| 1532 | GHMA | - | - | - | X |
| 1536 | GHMA | - | - | X | X |
| 1538 | GHMA | - | - | X | X |
| 1539 | PHMA | - | - | - | - |
| 1540 | PHMA | - | - | - | - |
| 1541 | GHMA | - | - | - | - |
| 1542 | PHMA | X | X | X | X |
| 1543 | GHMA | - | - | - | X |
| 1544 | GHMA | - | - | - | - |
| 1545 | GHMA | - | X | X | X |
| 1548 | GHMA | X | X | X | X |
| 1549 | PHMA | - | X | X | X |
| 1551 | GHMA | - | - | X | X |
| 1552 | PHMA | - | X | X | X |
| 1554 | GHMA | - | X | X | X |
| 1557 | GHMA | - | - | - | - |
| 1558 | PHMA | - | X | X | X |
| 1559 | GHMA | X | X | X | X |
| 1560 | PHMA | - | X | X | X |
| 1561 | GHMA | - | - | - | - |
| 1562 | GHMA | - | - | - | - |
| 1563 | GHMA | - | - | X | X |
| 1564 | GHMA | - | - | X | X |
| 1565 | GHMA | X | X | X | X |
| 1567 | GHMA | X | X | X | X |
| 1568 | GHMA | X | X | X | X |
| 1569 | GHMA | - | - | - | - |
| 1570 | GHMA | - | - | - | - |
| 1571 | GHMA | - | - | X | X |
| 1573 | GHMA | - | - | - | - |
| 1575 | GHMA | - | - | - | - |
| 1576 | GHMA | - | - | - | - |
| 1577 | GHMA | - | - | - | - |

| 2023-06 Parcel Num. | Habitat Evaluation Label | 1 mile | 2 miles | 3 miles | 4 miles |
|---------------------|--------------------------|--------|---------|---------|---------|
| 1578 | GHMA | - | - | - | - |
| 1579 | GHMA | - | - | - | - |
| 1580 | GHMA | - | - | - | - |
| 1581 | Non-Habitat | - | - | - | - |
| 1599 | GHMA | - | - | - | - |
| 1731 | GHMA | X | X | X | X |
| 1772 | GHMA | - | - | - | - |
| 7221 | GHMA | - | - | - | - |
| 7223 | GHMA | - | X | X | X |
| 7224 | PHMA | - | X | X | X |
| 7225 | PHMA | X | X | X | X |
| 7227 | PHMA | - | X | X | X |
| 7228 | GHMA | - | - | - | X |
| 7231 | GHMA | - | - | - | - |
| 7232 | GHMA | - | X | X | X |
| 7234 | GHMA | - | X | X | X |
| 7235 | PHMA | - | - | X | X |
| 7236 | GHMA | X | X | X | X |
| 7239 | GHMA | - | - | X | X |
| 7240 | GHMA | - | - | X | X |
| 7241 | GHMA | - | X | X | X |
| 7242 | PHMA | - | X | X | X |
| 7243 | PHMA | - | - | X | X |
| 7246 | PHMA | - | X | X | X |
| 7247 | PHMA | X | X | X | X |
| 7248 | GHMA | - | - | - | - |
| 7249 | GHMA | - | - | - | X |
| 7250 | GHMA | - | - | X | X |
| 7251 | PHMA | X | X | X | X |
| 7252 | GHMA | X | X | X | X |
| 7253 | GHMA | - | X | X | X |
| 7254 | PHMA | X | X | X | X |
| 7255 | PHMA | - | - | X | X |
| 7257 | GHMA | X | X | X | X |
| 7258 | GHMA | - | - | - | - |
| 7259 | PHMA | - | X | X | X |

Additional lek data can be obtained from the Wyoming Game and Fish Department and in the 2019-2020 Greater Sage-Grouse Job Completion Report, located at: <https://wgfd.wyo.gov/Hunting/Job-Completion-Reports>

3.5 Big Game

General information regarding wildlife species and impacts in the subject planning areas can be found at the following locations within the respective Field Office's RMP (see section 1.4)

Big Game Herd Units

The distribution and abundance of big game in the planning area are primarily a function of habitat quality and quantity, the availability of water, climate/weather, and the ability to move, or migrate between seasonal habitats.

The WGFD manages big game populations in herd units (HU). Herd unit boundaries generally do not match BLM field office boundaries, making analysis and correlation of resource data and big game population data difficult. The WGFD revises its population objectives for each big game species based on new habitat information, population trends, recreation demand, and public input.

The health of big game populations are generally inferred from population objectives set by the WGFD. Based on their monitoring, population objectives of mule deer and pronghorn range greatly across the State. According to the WGFD's 2020 Job Completion Reports, pronghorn hunt areas population objectives range between 52.2% above to 60.6% below objective.

Mule Deer

Of the parcels evaluated, the vast majority are located in the following HU's: South Rock Springs (56, 12 parcels shared with Baggs), Cheyenne River (42, 1 parcel is shared with Powder River and 1 parcel is shared with Black Hills), and Baggs (28, 12 parcels are shared with South Rock Springs. See Table 3.29 below for a list of HUs and parcel descriptions.

In general, the HUs that are located in HPD which are below population objective are predominantly privately owned. Major land uses in these HUs are traditional ranching and grazing with oil and gas and coal development. Periodic disease outbreaks (i.e. hemorrhagic diseases) are possible in some of these HUs and can contribute to population declines when environmental conditions are suitable. Similarly, the HUs in the WR/BBD that are below population objective have periodic disease outbreaks. In addition, the WR/BBD HUs have been subject to periods of drought which have helped depress populations. Scattered oil and gas development occurs throughout the WR/BBD HUs.

With the exception of the Baggs Herd Unit, the herd units in the HDD have not been meeting population objectives for several years. For example, the Sublette mule deer herd unit was negatively affected by harsh winter conditions and subsequent die off along with 100% fawn mortality in isolated areas, during the winter of 2016-2017. This herd was similarly affected by harsh winter conditions in 2010-2011 that was likely exacerbated by sustained drought conditions for most of the 2000's. These conditions were in addition to intense oil and gas development on the Pinedale Anticline; exceptions for crucial winter range timing limitations were initially authorized in 2005. And were made permanently available for the life of the project in accordance with the Pinedale Anticline ROD. The vast majority of the Mesa within the northern Pinedale Anticline field is within crucial winter range for Mule Deer. See ARMPA pages 4-423- 4-425 for a discussion of research results emanating from studying this herd during a period of intensive development. Recent data suggests that while these initial study results were accurate, to date, mule deer are not habituating even as large parts of the field are being reclaimed. To date, the PFO has not recommended any changes through the adaptive management process for this project. Additional study and coordination with the WGFD and local partners, is continuing.

But, as noted in the Pinedale RMP DEIS, pg. 146 (1986): "Mule deer populations in the planning area have a history of severe fluctuation. Most of the drastic population declines are attributable to severe winter conditions. Mortality may reach 30-50 percent of the population under certain conditions." Historic information regarding population objectives and estimated populations can be found in these documents: (Pinedale RMP DEIS, pg. 144

(1986), Green River RMP DEIS pg. 427 (1992), and the Medicine Bow DEIS RMP pg. 197-199 (1987). Further information can also be found in the Baggs Mule Deer Crucial Winter Range Analysis Report (WGFD, 1994) and the WGFD Job Completion Reports at: <https://wgfd.wyo.gov/Hunting/Job-Completion-Reports>).

The Wyoming Range Mule Deer Herd has experienced challenges similar to those observed in the Sublette Herd. Most notably, the 2016, 2017 and 2018 WGFD Jackson Region Job Completion Reports (JCRs) indicate that, “Sustained population growth has been difficult because of the frequency of high overwinter mortality every 3 years on crucial winter ranges, low vigor and productivity of important winter range browse, and reduced fawn survival and recruitment. In March 2013, the Wyoming Range Mule Deer Project was launched. The overall goal of this project is to address important research and management needs identified by the Wyoming Mule Deer Initiative and Wyoming Range Mule Deer Initiative. An important aspect of this research is to investigate relationships between mule deer population dynamics, energy development and disturbance, habitat conditions and climate to provide a mechanistic approach to monitoring and management of mule deer (Appendix A)” Appendix D, in the 2016 Jackson Region JCR (pg. 34) indicates the annual fawn survival for most mule deer populations is often lower than adult survival, and it is not uncommon for less than half of the fawns born in June to make it through their first year of life. In the first year of research evaluating survival of fawns, 45% of fawns born in summer 2015 survived until June 2016; only 17% of annual mortalities occurred during winter. Unfortunately, survival of fawns born in summer 2016 tells a much different story. As of March 5, 2017, only one of the 70 fawns tracked was still alive – which equates to a 99% mortality of fawns.

Table 3.12: Mule Deer Herd Units

| DISTRICT OFFICE | FIELD OFFICE | HERD UNIT | WGFD 2020 Population Objective | WGFD Population Estimate, 2020 | Status meeting Objective | # Parcels within | # Overlap |
|-----------------|---------------|---------------------|--------------------------------|--------------------------------|--------------------------|------------------|--|
| HDD | RFO | Baggs | 19,000 | 20,642 | 8.6% Above | 28 | 12 overlap with South Rock Springs |
| WR/BBD | LFO | Beaver Rim | N/A | N/A | 54% below | 8 | 1 overlaps with Rattlesnake, 2 overlap with South Wind River |
| HPD | NFO | Black Hills | 30,000 | 23,159 | 22.8% below | 7 | 1 overlaps with Cheyenne River |
| HDD, WR/BBD | RFO, LFO | Chain Lakes | N/A | N/A | N/A | 1 | 0 |
| HPD | NFO, BFO, CFO | Cheyenne River | 27,000 | 22,543 | 16.5% Below | 42 | 1 overlaps with Powder River, 1 overlaps with Black Hills |
| HDD | RFO | Ferris | 3,700 | 1,450 | 60.8% below | 1 | 0 |
| HDD | RFO | Goshen Rim | 20,000 | 10,160 | 49.2% below | 3 | 0 |
| WR/BBD | CyFO, WFO | Greybull River | 4,000 | 2,412 | 39.7% below | 8 | 0 |
| HPD | CFO | North Converse | 9,000 | 6,901 | 23.3% Below | 8 | 0 |
| HPD | CFO | North Natrona | 4,700 | 3,851 | 18.1% Below | 1 | 0 |
| WR/BBD | CyFO | Owl Creek/Meeteetse | 5,000 | 4,630 | 7.4% below | 2 | 0 |

| | | | | | | | |
|--------------------|-----------------------|--------------------|---------------|---------------|--------------------|-----------|--|
| WR/BBD | WFO | Paintrock | 11,000 | 6,344 | 42.3% below | 2 | 2 overlap with Southwest Bighorn |
| HDD | RFO | Platte Valley | 16,000 | 12,950 | 19.1% below | 0 | 0 |
| HPD | BFO, NFO | Powder River | 45,000 | 34,050 | 24.3% below | 14 | 1 overlaps with Cheyenne River, 1 overlaps with Pumpkin Buttes |
| HPD | BFO | Pumpkin Buttes | 13,000 | 14,363 | 10.5% Above | 18 | 1 overlaps with Powder River |
| HPD | CFO | Rattlesnake | 5,500 | 2,769 | 49.7% below | 1 | 1 overlaps with Beaver Rim |
| HDD | RFO | Sheep Mountain | 10,000 | 7,600 | 24% below | 1 | 0 |
| HPD | CFO | South Converse | 12,000 | 5,243 | 56.3% below | 0 | 0 |
| HDD | RSFO | South Rock Springs | 8,500 | 2,850 | 66.5% below | 56 | 12 overlap with Baggs |
| HDD, WR/BBD | LFO, RSFO, PFO | South Wind River | 11,000 | 7,874 | 28.4% below | 3 | 2 overlap with Beaver Rim |
| HPD, WR/BBD | LFO, RSFO, WFO | Southwest Bighorn | 16,000 | 11,514 | 28.0% Below | 5 | 2 overlap with Paintrock |
| HDD, WR/BBD | PFO, RSFO | Sublette | 32,000 | 21,103 | 34.1% Below | 13 | 0 |
| HDD | KFO, RSFO | Uinta | 20,000 | 11,237 | 43.8% below | 5 | 4 overlap with Wyoming Range |
| HDD | KFO, PFO | Wyoming Range | 40,000 | 28,850 | 27.9% Below | 5 | 4 overlap with Uinta |

3.6 Lands with Wilderness Characteristics (LWCs)

Wilderness characteristics are resource values that include naturalness, outstanding opportunities for solitude, or outstanding opportunities for primitive and unconfined recreation. Areas evaluated for wilderness characteristics generally occur in undeveloped locations of sufficient size (typically greater than 5,000 contiguous acres) to be practical to manage for these characteristics.

The BLM Land Use Planning Handbook (H-1601-1) states that the BLM must consider the management of lands with wilderness characteristics during the land use planning process. The criteria used to identify these lands are essentially the same criteria used for determining wilderness characteristics for WSAs. However, the authority set forth in Section 603(a) of FLPMA to complete the three-part wilderness review process (inventory, study, and report to Congress) expired on October 21, 1993; therefore, FLPMA does not apply to new WSA proposals and consideration of new WSA proposals on BLM-administered public lands is no longer valid. The BLM is still required under Section 201 of FLPMA to "...maintain on a continuing basis an inventory of all public lands and their resource and other values...." This includes reviewing lands to determine if they possess wilderness characteristics (see Appendix 5.8).

The parcels listed in Table 3.13 qualify as LWCs because they are within units which contain at least 5000

contiguous acres of roadless lands, the imprint of man's work is substantially unnoticeable, they have outstanding opportunity for solitude or primitive recreation and they contain natural features of scientific, education, scenic or historical value. The remaining parcels were not found to contain LWCs. If a parcel is not within a 5000 acre area, they are not reviewed further in accordance with BLM policy contained in Manual 6310. Those parcels which have been determined to have lands with wilderness characteristics are available for oil and gas development under their respective RMPs. A complete list of all parcels and the LWC review can be located in Appendix 7.3.

Table 3.13: Lands with Wilderness Characteristics

| Parcel WY-2023- 06 | ACRES | WY LWC NUMBER | NAME | MANAGED FOR LWC |
|-----------------------------------|--------------|-----------------------|------------------------------------|----------------------------|
| 1353 | 1280 | WY-010-221 E | 0016 DH (East Fork Sand Creek LWC) | NO |
| 1414 | 1080.2 | WY-030-411 Area E | Adobe Town Fringe Area E LWC | NO |
| 1436 | 2320 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 1440 | 2360 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 1470 | 942.25 | WY-010-221 E | 0016 DH (East Fork Sand Creek LWC) | NO |
| 1573 | 2501.79 | WY-020-006 | Little Dry Creek LWC | NO |
| 7223 | 2520.77 | WY-030-411 Area F | Adobe Town Fringe Area F LWC | NO |
| 7223 | 2520.77 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 7228 | 2520 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 7231 | 1880 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 7234 | 1931.49 | WYD03-14N98W- 2011 | North Cow Creek LWC | NO |
| 7248 | 2249.08 | WY-010-221 E | 0016 DH (East Fork Sand Creek LWC) | NO |
| 7258 | 1169.13 | WY-020-006 | Little Dry Creek LWC | NO |

3.7 Socioeconomics and Environmental Justice

3.7.1 Socioeconomics

Please refer to the applicable RMP FEISs for additional discussion on socioeconomics across the total project area.

The counties within which the proposed parcels are located collectively make up the socioeconomic analysis area in which potential socioeconomic impacts of the proposed lease sale are considered. The local customs, culture, and history of communities within Wyoming are entwined with the lands and mineral estates administered by the BLM. People derive a wide range of values from their access, use, development, and enjoyment of natural landscapes administered by each field office. These values contribute to the unique sense of place indicative to rural Wyoming, as well as to the social and economic well-being of households and communities across the analysis area. Just as BLM management actions can affect future access, use, development, and enjoyment of these natural landscapes, field office land use and leasing decisions can affect the social, cultural, and economic well-being of surrounding towns, cities, and rural areas. At the lease sale stage, it is unknown where, or if, development would occur in any given nominated lease parcels; as specific types and locations of development are proposed, their specific effects would be analyzed and addressed in detail at the time of proposed lease development. However, in general, acquisition and development of new leases provide short-term local and regional jobs and

long-term revenue on a sustained basis. These may include employment opportunities related to the oil and gas and service support industries in the region, as well as federal, state, and county government revenue related to taxes, royalty payments, and other revenue streams.

Wyoming has a long history in mineral development and accounted for more than 2% of U.S. total crude oil output and nearly 4% of U.S. marketed gas production in 2020 (U.S. EIA 2021c). Federal mineral royalties, severance taxes, and ad valorem taxes associated with mineral development historically comprise a majority of state and local revenue (WY LSO 2021). The oil and gas sector of the economy relies on both ongoing operational activities (development of existing leases) and new development opportunities (acquisition and development of new leases) to continue to provide local and regional jobs and revenue on a sustained basis. Oil and gas lease sales may contribute to employment for area residents, continued demand for oil and gas industry-related goods and services, and continued demand for support goods and services. This continued demand may also contribute to employment stability in sectors outside of the oil and gas industry.

3.7.2 Environmental Justice

Environmental Justice (EJ) refers to the fair treatment and meaningful involvement of people of all races, cultures, and incomes with respect to the development, implementation, and enforcement of environmental laws, regulations, programs, and policies (CEQ 1997). Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low- Income Populations, states “each Federal agency shall make achieving environmental justice part of its mission by identifying and addressing, as appropriate, disproportionately high and adverse human health or environmental effects of its programs, policies, and activities on minority populations and low-income populations...” (Executive Order 12989). Executive Order 12898 also fully applies to indigenous populations, including the importance of determining any tribal presence in a given plan or project area. The purpose of EO 12898 is to identify and address, as appropriate, disproportionately high and adverse human health or environmental effects on low-income populations, minority populations, or indigenous populations that may experience common conditions of environmental exposure or effects associated with a plan or project. BLM policy, as contained in BLM Land Use Planning Handbook H-1601-1 (BLM 2005) Appendix C, provides direction on how to fulfill agency responsibilities for Executive Order 12898.

The Council on Environmental Quality (CEQ) has developed guidance to assist federal agencies with their NEPA procedures so that EJ concerns are effectively identified and addressed. The guidance focuses on identifying communities of concern using census data. Low-income populations are defined as those living below the federal poverty threshold (see Federal Interagency Working Group on Environmental Justice and NEPA Committee 2016), as identified by the U.S. Census Bureau and Bureau of Land Management. Minority populations include the following population groups: American Indian or Alaskan Native; Asian or Pacific Islander; Black, not of Hispanic origin; or Hispanic (CEQ 1997). A minority population is identified as a community of concern if either 1) the minority population of the area of analysis exceeds 50% of the population of the area of analysis, or 2) the minority population percentage of the area of analysis is meaningfully greater than the minority population percentage in the general population or other appropriate unit of geographic analysis (CEQ 1997:25). A minority population also exists “if there is more than one minority group present and the minority percentage, as calculated by aggregating all minority persons, meets one of the above-stated thresholds” (CEQ 1997:26). For this EA, the EJ analysis area is identified as all Census block groups surrounding the associated parcels proposed to be offered for sale in each Alternative.

4.0 Environmental Consequences

This chapter describes the impacts that may occur upon the implementation of the considered alternatives. This chapter is organized by resource topics, with the impacts of all alternatives combined under each resource and analyzed in terms of direct, indirect, and cumulative effects (40 CFR 1508.1(g)). Any proposed protective requirements determined to be appropriate through analysis in this document would be carried forward as stipulations to an approved authorization.

4.1 Air Resources

4.1.1 Alternative 1 – No Action Alternative

Under the No Action Alternative, the parcel(s) would not be leased, and no new foreseeable oil and gas development would occur on the subject lease parcels. Although no new GHG emissions from the development of these lease parcels would occur under the No Action Alternative, recent projections indicate that U.S. production levels are expected to remain static or even increase in the short-term. The most recent short-term energy outlook (STEO) published by the EIA (<https://www.eia.gov/outlooks/steo/>) describes that the world's oil and gas supply and consumption will increase over the next 24 months (through 2023). The latest STEO projections are not dependent on whether the BLM issues onshore leases for 2022, since these global projections were made prior to new leases being offered and are based on foreseeable short-term global supply and demand and depend on oil and gas development /operations on existing

U.S. onshore leases. The latest STEO includes the following projections for the next two years:

- Global liquid fuels consumption will grow by 3.6 million barrels/day (b/d) in 2022 and 1.8 million b/d in 2023.
- U.S. crude oil production averaged 11.2 million b/d in 2021. Production is expected to average 11.8 million b/d in 2022 and to rise to 12.4 million b/d in 2023
- [U.S. LNG export capacity increases](#) will contribute to LNG exports averaging 11.5 Billion cubic feet/day (Bcf/d) in 2022 and 12.1 Bcf/d in 2023.
- Coal production will increase by 6% in 2022 and then rise 1% to a total of 619 million short tons (MMst) in 2023.

Although electricity-generating capacity from renewable energy sources is anticipated to continue to grow in 2022 and 2023, it will not have a significant impact on short-term supply and demand.

EIA studies and recent U.S. activities regarding short-term domestic “supply disruptions” or sudden increases in demand suggest that reducing domestic supply (in the near-term under the current supply / demand scenario) would lead to the import of more oil and natural gas from other countries, including countries with lower environmental and emission control standards than the United States, or even cause a release from the current U.S. stockpile to meet consumer demand and maintain stable prices.

The EIA 2021 AEO long-term energy outlook for the high U.S. domestic natural gas supply scenario describes a potential 1.2% growth in natural gas-related GHG emissions for the power sector through year 2050 and an almost 3% decline in coal-related emissions over the 30-year period. For the EIA projected low oil and gas supply scenario, power sector related GHG emissions are reduced for both natural gas and coal through the period, though at a smaller relative percentage for coal, resulting in coal-related emissions still being higher than those associated with natural gas at year 2050. (U.S. Energy Information Administration 2021). A detailed discussion of past, present and projected global and state GHG emissions can be found in Chapter 6 of the Annual Report.

4.1.2 Alternative 2 – Proposed Action

4.1.2.1 Air Quality

4.1.2.2 Greenhouse Gas emissions

While the leasing action itself does not directly generate GHG emissions, such emissions are a reasonably foreseeable consequences of oil and gas development. There are three general phases of post-lease development that would generate GHG emissions including 1) well development (well site construction, well drilling, and well

completion), 2) production operations (processing, storage, and transport/distribution), and 3) end-use (combustion) of the fuels produced.

The BLM cannot develop a precise emissions inventory at the leasing stage due to uncertainties including the type (oil, gas, or both) scale, and duration of potential development, the types of related equipment (drill rig engine tier rating, horsepower, fuel type), and the mitigation measures that a future lessee may propose in their development plan. In order to estimate reasonably foreseeable on-lease emissions at the leasing stage, the BLM uses estimated well numbers based on State data for past lease development combined with per-well drilling, development, and operating emissions data from representative wells in the area. The amount of oil or gas that may be produced if the offered parcels are developed is unknown. For purposes of estimating production and end-use emissions, reasonably foreseeable wells are assumed to produce oil and gas in similar amounts as existing nearby wells. While the BLM has no authority to direct or regulate the end-use of the products, for this analysis, the BLM assumes all produced oil or gas will be combusted (such as for domestic heating or energy production). The BLM acknowledges that there may be additional sources of GHG emissions along the distribution, storage, and processing chains (commonly referred to as midstream operations) associated with production from the lease parcels. These sources may include emissions of methane (a more potent GHG than CO₂ in the short term) from pipeline and equipment leaks, storage, and maintenance activities. At the leasing stage, these sources of emissions are highly speculative, and the BLM has therefore chosen to assume, for the purposes of this analysis, that all produced oil or gas will be combusted. We note, however, that the potential emissions from these sources have been estimated and are accounted for in the cumulative assessment of GHGs from BLM's fossil fuel leasing program.

The emissions used in this analysis are estimated as described above using the BLM Lease Sale Emissions Tool. Emissions are presented for each of the three phases described above.

- Well development emissions occur over a short period and include heavy equipment and vehicle exhaust, drill rig engine emissions, completion equipment, pipe venting, and emissions from any well treatments such as hydraulic fracturing that may be used.
- Production operations and end-use emissions occur over the entire production life of a well, which is assumed to be 30 years for this analysis based on the productive life of a typical oil/gas field. Production emissions may result from storage tank breathing and flashing, truck loading, pump engines, heaters and dehydrators, pneumatic instruments or controls, flaring, fugitives, and vehicle exhaust.
- End-use emissions occur from the downstream combustion of produced oil or gas. End-use emissions are estimated by multiplying the estimated ultimate recovery (EUR) of produced oil and gas with emissions factors for combustion established by the EPA (Tables C-1 and C-2 to Subpart C of 40 CFR § 98). Additional information on emission factors and EUR factors can be found in the Annual GHG Report (Chapter 4). Tables 4.1 and 4.2 list the estimated direct and indirect GHG emissions in metric tons (tonnes) for Alternative 2 (Proposed Action) over the average 30-year production life of the lease, while Tables 3.13 and 3.14 list the estimated direct and indirect GHG emissions for Alternative 3 (Modified Proposed Action) over the average 30-year production life of the lease.

Under Alternative 2 (Proposed Action) the average life of lease emissions is 0.749% of Federal fossil fuel authorization emissions in the state and between 0.222% of Federal fossil fuel authorization emission in the nation.

As detailed in the Annual GHG Report (BLM, 2022), which the BLM has incorporated by reference, the BLM also looked at other tools to inform its analysis, including the MAGICC model (see Section 7.0 of the Annual GHG Report). This model run suggests that “30-plus years of projected federal emissions would raise average global surface temperatures by approximately 0.0158 °C., or 1% of the lower carbon budget temperature target.” As this is an assessment of what BLM has projected could come from the entire Federal fossil fuel program, including the projected emissions from the proposed action, over the next 30 years, the reasonably foreseeable lease sale emissions contemplated in this EA are not expected to substantially affect the rate of change in climate effects, bring forth impacts that are not already identified in existing literature, or cause a change in the magnitude of impacts from climate change at the state, national, or global scales.

Table 4.1. Alternative 2 (Proposed Action) Estimated Life of Lease Emissions (On-Site) from Well Development and Production Operations (Metric tonnes)

| Activity | CO ₂ | CH ₄ | N ₂ O | CO ₂ e (100-yr) | CO ₂ e (20-yr) |
|-----------------------|-------------------|-------------------|------------------|----------------------------|---------------------------|
| Well Development | 369,379 | 210.67 | 2.933 | 376,458 | 387,560 |
| Production Operations | 5,418,169 | 76,906.03 | 10.466 | 7,712,826 | 11,765,774 |
| Mid-Stream | 3,200,138 | 48,214.79 | 43.969 | 4,648,942 | 7,189,861 |
| End Use | 17,400,755 | 7327.94 | 32.794 | 17,419,481 | 17,436,763 |
| Total | 26,388,441 | 125,659.44 | 90.163 | 30,157,707 | 36,779,959 |

Source: BLM Lease Sale Emissions Tool

GHG emissions vary annually over the production life of a well due to declining production over time. Table 3.15 provides maximum year and average year emissions over the life of the lease for Alternative 2, while Table 3.16 provides the same information for Alternative 3.

Table 4.2. Alternative 2 (Proposed Action) Estimated Direct and Indirect Emissions from Lease Parcels on an Annual and Life of Lease Basis (Metric tonnes)

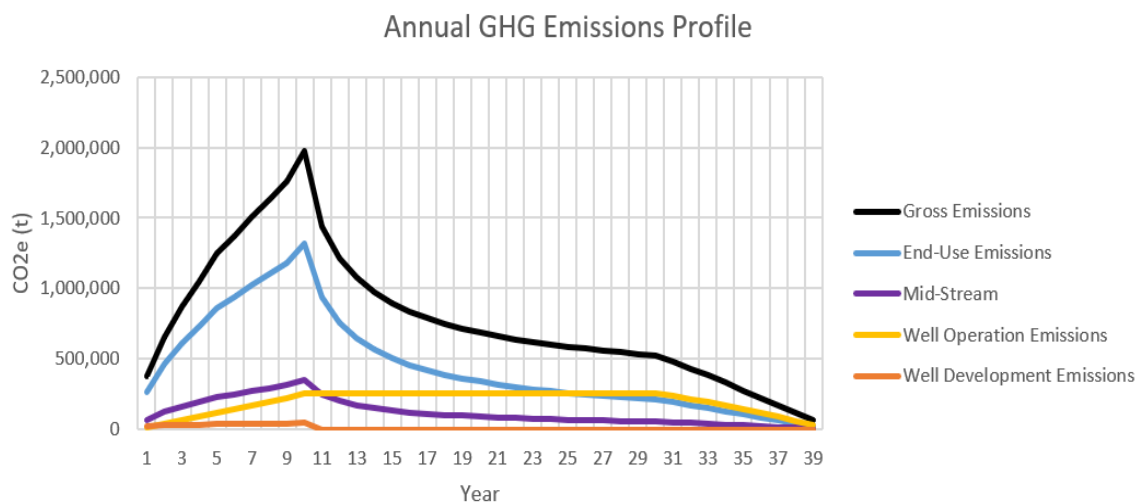
| | CO ₂ | CH ₄ | N ₂ O | CO ₂ e (100-yr) | CO ₂ e (20-yr) |
|----------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| Max Year | 1,786,047 | 6,261.28 | 6.532 | 1,974,417 | 2,304,386 |
| Average Year | 676,627 | 3,222.04 | 2.312 | 773,275 | 943,076 |
| Life of Lease | 26,388,441 | 125,659.44 | 90.163 | 30,157,707 | 36,779,959 |

Source: BLM Lease Sale Emissions Tool

Source: BLM Lease Sale Emissions Tool

Figure 4-1 shows the estimated annual GHG emissions profile for Alternative 2 over the production life of a typical lease including well development, well operation, end-use, and gross (total of well development, well production, and end-use) emissions.

Figure 4-1 Alternative 2 (Proposed Action) Estimated Annual GHG Emissions Profile Over the Life of a Lease



Source: BLM Lease Sale Emissions Tool

In order to put the estimated GHG emissions for this lease sale in context, potential emissions that could result from development of the lease parcels for this sale can be put into relatable terms by comparing to other common activities that generate GHG emissions as well as to emissions at state and national scales. The EPA GHG equivalency calculator can be used (<https://www.epa.gov/energy/greenhouse-gas-equivalencies-calculator>) to express the potential

average year GHG emissions on a scale relatable to everyday life. For instance, the projected average annual GHG emissions from expected development following the proposed lease sale are equivalent to 166,654 gasoline-fueled passenger vehicles driven for one year, or the emissions that could be avoided by operating 210 wind turbines as an alternative energy source or offset by the carbon sequestration of 920,565 acres of forest land.

Tables 4.3 and 4.10 compare the estimated maximum and average annual lease-sale emissions to existing State GHG emissions, federal BLM fossil fuel (oil, gas, and coal) emissions, and U.S. fossil fuel and total GHG emissions reported in the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2019 for Alternative 2 and Alternative 3, respectively.

Table 4.3 Comparison of Lease Sale Annual Emissions to Other Sources (megatonnes)

| Reference | Mt CO ₂ e ¹ (Per Year) | Average Year % of Reference |
|---|---|--------------------------------|
| Lease Emissions (Average Year) | 0.773 | - |
| WY Onshore Federal (O&G)² | 107.53 | 0.719% |
| Onshore Federal (O&G)² | 465.63 | 0.166% |
| Federal Onshore and Offshore (O&G) | 844.27 | 0.092% |
| U.S. Federal O&G and Coal)² | 1,292.57 | 0.060% |
| U.S. Total, all sectors³ | 5,981.40 | 0.013% |

1 – Estimates are based on 100-GWP values

2 – Federal values come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Table ES-1 and ES-2

3 – U.S. Values comes from the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2020; <https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/gas/current>

Tables 4.4 and 4.11 compare emission estimates over the 30-year life of the lease compared to the 30-year projected Federal emissions in the state and nation from existing wells, the development of approved APDs, and emissions related to reasonably foreseeable lease actions.

Table 4.4. Alternative 2 (Proposed Action) Comparison of the Life of Lease Emissions to Other Federal Oil and Gas Emissions from Existing Wells, Development of Approved APDs, and Other Leasing Actions in the State and Nation

| Reference | MT CO ₂ e (100-yr) | Life of Lease % of Reference |
|---|-------------------------------|---------------------------------|
| Life of Lease | 30.158 | 100.000% |
| WY Reasonably Foreseeable Short- Term Onshore Federal (O&G) | 1,487.65 | 2.027% |
| WY Projected Long-Term Onshore Federal (O&G) | 4,028.10 | 0.749% |
| U.S. Reasonably Foreseeable Short-Term Onshore Federal (O&G) | 4,614.81 | 0.653% |
| U.S. Projected Long-Term Onshore Federal (O&G) | 13,560.24 | 0.222% |

1- Foreseeable R=Federal short-term and long-term emissions come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Tables ES-3, ES-4 and Figure 5-1

2- Short-term projections are based on existing production, approved permits and potential new leases

3- Long-term projections are based on the projections from the U.S. Energy Information Administration energy Outlook

Compared to emissions from other existing and foreseeable Federal oil and gas development, the life of lease emissions for Alternative 2 (Proposed Action) is between 0.359% to 0.913% of Federal fossil fuel authorization emissions in the state and between 0.201% to 0.510% of Federal fossil fuel authorization emission in the nation.

In summary, potential GHG emissions from the Alternative 2 (Proposed Action) could result in GHG emissions of 71.926 MT CO₂e over the life of the lease, while potential GHG emissions from Alternative 3 (Modified Proposed Action) could result in 30.667 MT CO₂e over the life of the lease.

As detailed in the Annual GHG Report (BLM, 2022), which BLM has incorporated by reference, the BLM also looked at other tools to inform its analysis, including the MAGICC model (see Section 7.0 of the Annual GHG Report). This model run suggests that “30-plus years of projected federal emissions would raise average global surface temperatures by approximately 0.0158 °C., or 1% of the lower carbon budget temperature target.”

4.1.2.3 Monetized Impacts from GHG Emissions

In accordance with direction outlined in chapter 3.2.1, this subsection provides estimates of the monetary value of changes in GHG emissions that could result from selecting each alternative. Such analysis should not be construed to mean a cost determination is necessary to address potential impacts of GHGs associated with specific alternatives. These numbers were monetized; however, they do not constitute a complete cost-benefit analysis, nor do the SC-GHG numbers present a direct comparison with other impacts analyzed in this document. For instance, the BLM’s overall economic analysis for this lease sale does not monetize most of the major costs or benefits and does not include all revenue streams from the proposed action but seeks to quantify certain impacts related to employment numbers and labor income. SC-GHG is provided only as a useful measure of the benefits of GHG emissions reductions to inform agency decision-making.

For Federal agencies, the best currently available estimates of the SC-GHG are the interim estimates of the social cost of carbon dioxide (SC-CO₂), methane (SC-CH₄), and nitrous oxide (SC-N₂O) developed by the Interagency Working Group (IWG) on the SC-GHG. Select estimates are published in the Technical Support Document (IWG 2021)⁹ and the complete set of annual estimates are available on the Office of Management and Budget’s website¹⁰.

The IWG’s SC-GHG estimates are based on complex models describing how GHG emissions affect global temperatures, sea level rise, and other biophysical processes; how these changes affect society through, for example, agricultural, health, or other effects; and monetary estimates of the market and nonmarket values of these effects. One key parameter in the models is the discount rate, which is used to estimate the present value of the stream of future damages associated with emissions in a particular year. A higher discount rate assumes that future benefits or costs are more heavily discounted than benefits or costs occurring in the present (i.e., future benefits or costs are a less significant factor in present-day decisions). The current set of interim estimates of SC-GHG have been developed using three different annual discount rates: 2.5%, 3%, and 5% (IWG 2021).

As expected with such a complex model, there are multiple sources of uncertainty inherent in the SC-GHG estimates. Some sources of uncertainty relate to physical effects of GHG emissions, human behavior, future population growth and economic changes, and potential adaptation (IWG 2021). To better understand and communicate the quantifiable uncertainty, the IWG method generates several thousand estimates of the social cost for a specific gas, emitted in a specific year, with a specific discount rate. These estimates create a frequency distribution based on different values for key uncertain climate model parameters. The shape and characteristics of that frequency distribution demonstrate the magnitude of uncertainty relative to the average or expected outcome.

To further address uncertainty, the IWG recommends reporting four SC-GHG estimates in any analysis. Three of the SC-GHG estimates reflect the average damages from the multiple simulations at each of the three discount rates. The fourth value represents higher-than-expected economic impacts from climate change. Specifically, it represents the 95th percentile of damages estimated, applying a 3% annual discount rate for future economic effects. This is a low probability, but high damage scenario, represents an upper bound of damages within the 3% discount rate model. The estimates below follow the IWG recommendations.

The SC-GHGs associated with estimated emissions from future potential development of the lease parcels are reported in Table 4.5 (Alternative 2) and Table 4.6 (Alternative 3). These estimates represent the present value (from the perspective of 2021) of future market and nonmarket costs associated with CO₂, CH₄, and N₂O emissions from potential well development and operations, and potential end-use, as described in Subsection 3.3.2. Estimates are calculated based on IWG estimates of social cost per metric ton of emissions for a given emissions year and BLM’s estimates of emissions in each year. They are rounded to the nearest \$1,000. The estimates assume

⁸ [https://www.whitehouse.gov/wp-](https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf)

[content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf](https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf)

⁹ IWG 2021. *Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide, Interim Estimates under Executive Order 13990*. Interagency Working Group on Social Cost of Greenhouse Gases, February 2021.

¹⁰ <https://www.whitehouse.gov/omb/information-regulatory-affairs/regulatory-matters/#scghgs>

development will start in 2023 and end-use emissions complete in 2061, based on experience with previous lease sales.

Table 4.5. Alternative 2 (Proposed Action) SC-GHG Associated with Development and Operations, all years

| | Social Cost of GHG (2020\$) | | | |
|-----------------------------------|------------------------------------|------------------------------------|--------------------------------------|---|
| | Average Value, 5% discount rate | Average Value, 3% discount rate | Average Value, 2.5% discount rate | 95 th Percentile Value, 3% discount rate |
| Development and Operations | \$ 95,994,000 | \$ 347,735,000 | \$ 519,579,000 | \$ 939,687,000 |
| End-Use | \$ 264,829,000 | \$ 997,850,000 | \$ 1,509,598,000 | \$ 3,176,564,000 |
| Total | \$ 360,823,000 | \$ 1,345,510,000 | \$ 2,029,155,000 | \$ 4,116,251,000 |

4.1.3 Alternative 3 – Modified Proposed Action

4.1.3.1 Air Quality

4.1.3.2 Greenhouse Gas emissions

Under Alternative 3 (Modified Proposed Action) the average life of lease emissions is 0.573% of Federal fossil fuel authorization emissions in the state and between 0.170% of Federal fossil fuel authorization emission in the nation

Greenhouse Gas emissions Under Alternative 3 were calculated using the same methods as Alternative 2. The following tables (which are referenced in Alternative 2) highlight the differences between Alternative 2 and 3.

The continued increase of anthropogenic GHG emissions over the past 60 years has contributed to global climate change impacts. A discussion of past, current, and projected future climate change impacts is described in Chapters 8 and 9 of the Annual GHG Report. These chapters describe currently observed climate impacts globally, nationally, and in each State, and present a range of projected impact scenarios depending on future GHG emission levels. These chapters are incorporated by reference in this analysis.

Table 4.6. Alternative 3 (Modified Proposed Action) Estimated Life of Lease Emissions (On-Site) from Well Development and Production Operations (Metric tonnes)

| Activity | CO ₂ | CH ₄ | N ₂ O | CO ₂ e (100-yr) | CO ₂ e (20-yr) |
|------------------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| Well Development | 282,778 | 161.28 | 2.246 | 288,197 | 296,697 |
| Production Operations | 4,147,881 | 58,875.43 | 8.012 | 5,904,556 | 9,007,291 |
| Mid-Stream | 2,449,866 | 36,910.84 | 33.661 | 3,558,999 | 5,504,200 |
| End Use | 13,321,152 | 251.06 | 25.106 | 13,335,488 | 13,348,718 |
| Total | 20,201,677 | 96,198.61 | 69.024 | 23,087,239 | 28,156,906 |

Source: BLM Lease Sale Emissions Tool

GHG emissions vary annually over the production life of a well due to declining production over time. Table 3.15 provides maximum year and average year emissions over the life of the lease for Alternative 2, while Table 3.16 provides the same information for Alternative 3.

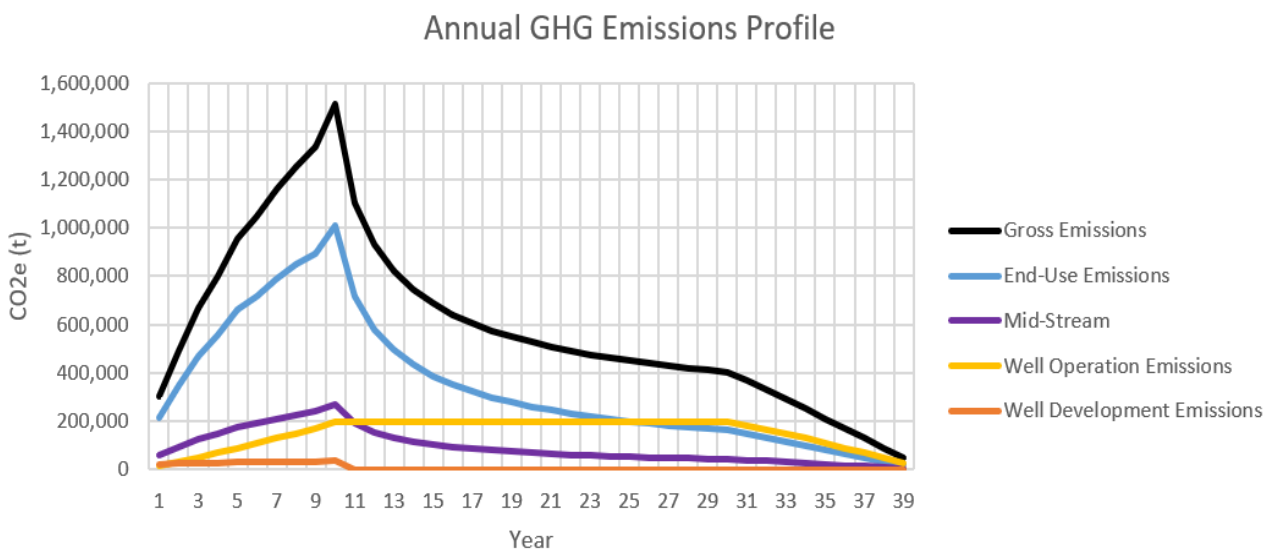
Table 4.7. Alternative 2 (Proposed Action) Estimated Direct and Indirect Emissions from Lease Parcels on an Annual and Life of Lease Basis (Metric tonnes)

| | CO ₂ | CH ₄ | N ₂ O | CO ₂ e (100-yr) | CO ₂ e (20-yr) |
|----------------------|-----------------|-----------------|------------------|----------------------------|---------------------------|
| Max Year | 1,369,855 | 4,798.28 | 5.013 | 1,514,212 | 1,767,081 |
| Average Year | 517,992 | 2,466.63 | 1.770 | 591,980 | 721,972 |
| Life of Lease | 20,201,677 | 96,198.61 | 69.024 | 23,087,239 | 28,156,906 |

Source: BLM Lease Sale Emissions Tool

Figure 4-2 shows the estimated annual GHG emissions profile for Alternative 3 over the production life of a typical lease including well development, well operation, end-use, and gross (total of well development, well production, and end-use) emissions.

Figure 4-2. Alternative 3 (Modified Proposed Action) Estimated Annual GHG Emissions Profile Over the Life of a Lease



Source: BLM Lease Sale Emissions Tool

Table 4.8. Alternative 3 (Modified Proposed Action) Comparison of Lease Sale Annual Emissions to Other Sources (megatonnes)

| Reference | Mt CO ₂ e ¹ (Per Year) | Average Year % of Reference |
|---|---|--------------------------------|
| Lease Emissions (Average Year) | 0.592 | - |
| WY Onshore Federal (O&G)² | 107.53 | 0.551% |
| Onshore Federal (O&G)² | 465.63 | 0.127% |
| Federal Onshore and Offshore (O&G) | 844.27 | 0.070% |
| U.S. Federal O&G and Coal)² | 1,292.57 | 0.046% |
| U.S. Total, all sectors³ | 5,981.40 | 0.010% |

¹ – Estimates are based on 100-GWP values provided by AR-5

² – Federal values come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Table ES-1

³ – U.S. Total Values comes from the EPA Inventory of U.S. GHG Emissions and Sinks: 1990-2019; <https://cfpub.epa.gov/ghgdata/inventoryexplorer/#allsectors/allsectors/allgas/gas/current>

Table 4.9. Comparison of the Life of Lease Emissions to Other Federal Oil and Gas Emissions from Existing Wells, Development of Approved APDs, and Other Leasing Actions in the State and Nation

| Reference | MT CO ₂ e (100-yr) | Life of Lease % of Reference |
|---|-------------------------------|------------------------------|
| Life of Lease | 23.087 | 100.000% |
| WY Reasonably Foreseeable Short-Term Onshore Federal (O&G) | 1,487.65 | 1.552% |
| WY Projected Long-Term Onshore Federal (O&G) | 4,028.10 | 0.573% |
| U.S. Reasonably Foreseeable Short-Term Onshore Federal (O&G) | 4,614.81 | 0.500% |
| U.S. Projected Long-Term Onshore Federal (O&G) | 13,560.24 | 0.170% |

1- Foreseeable R=Federal short-term and long-term emissions come from the BLM Specialist Report on Annual Greenhouse Gas Emissions Tables ES-3, ES-4 and Figure 5-1

2- Short-term projections are based on existing production, approved permits and potential new leases

3- Long-term projections are based on the projections from the U.S. Energy Information Administration energy Outlook

Source: U.S. and Federal emissions from BLM Lease Sale Emissions Tool and Annual GHG Report Tables 5-17 and 5-18

In summary, potential GHG emissions from the Alternative 3 (Modified Proposed Action) could result in GHG emissions of 23.087 MT CO₂e over the life of the lease.

4.1.3.3 Monetized Impacts from GHG Emissions

In accordance with direction outlined in chapter 3.2.1, this subsection provides estimates of the monetary value of changes in GHG emissions that could result from selecting each alternative. Such analysis should not be construed to mean a cost determination is necessary to address potential impacts of GHGs associated with specific alternatives. These numbers were monetized; however, they do not constitute a complete cost-benefit analysis, nor do the SC-GHG numbers present a direct comparison with other impacts analyzed in this document. For instance, the BLM's overall economic analysis for this lease sale does not monetize most of the major costs or benefits and does not include all revenue streams from the proposed action but seeks to quantify certain impacts related to employment numbers and labor income. SC-GHG is provided only as a useful measure of the benefits of GHG emissions reductions to inform agency decision-making.

For Federal agencies, the best currently available estimates of the SC-GHG are the interim estimates of the social cost of carbon dioxide (SC-CO₂), methane (SC-CH₄), and nitrous oxide (SC-N₂O) developed by the Interagency Working Group (IWG) on the SC-GHG. Select estimates are published in the Technical Support Document (IWG 2021)⁹ and the complete set of annual estimates are available on the Office of Management and Budget's website¹⁰.

The IWG's SC-GHG estimates are based on complex models describing how GHG emissions affect global temperatures, sea level rise, and other biophysical processes; how these changes affect society through, for example, agricultural, health, or other effects; and monetary estimates of the market and nonmarket values of these effects. One key parameter in the models is the discount rate, which is used to estimate the present value of the stream of future damages associated with emissions in a particular year. A higher discount rate assumes that future benefits or costs are more heavily discounted than benefits or costs occurring in the present (i.e., future benefits or costs are a less significant factor in present-day decisions). The current set of interim estimates of SC-GHG have been developed using three different annual discount rates: 2.5%, 3%, and 5% (IWG 2021).

As expected with such a complex model, there are multiple sources of uncertainty inherent in the SC-GHG estimates. Some sources of uncertainty relate to physical effects of GHG emissions, human behavior, future population growth and economic changes, and potential adaptation (IWG 2021). To better understand and communicate the quantifiable uncertainty, the IWG method generates several thousand estimates of the social cost for a specific gas, emitted in a specific year, with a specific discount rate. These estimates create a frequency distribution based on different values for key uncertain climate model parameters. The shape and characteristics of that frequency distribution demonstrate the magnitude of uncertainty relative to the average or expected outcome.

To further address uncertainty, the IWG recommends reporting four SC-GHG estimates in any analysis. Three of the SC-GHG estimates reflect the average damages from the multiple simulations at each of the three discount rates. The fourth value represents higher-than-expected economic impacts from climate change. Specifically, it represents the 95th percentile of damages estimated, applying a 3% annual discount rate for future economic effects. This is a low probability, but high damage scenario, represents an upper bound of damages within the 3% discount rate model. The estimates below follow the IWG recommendations.

The SC-GHGs associated with estimated emissions from future potential development of the lease parcels are reported in Table 4.5 (Alternative 2) and Table 4.6 (Alternative 3). These estimates represent the present value (from the perspective of 2021) of future market and nonmarket costs associated with CO₂, CH₄, and N₂O emissions from potential well development and operations, and potential end-use, as described in Subsection 3.3.2. Estimates are calculated based on IWG estimates of social cost per metric ton of emissions for a given emissions year and BLM's estimates of emissions in each year. They are rounded to the nearest \$1,000. The estimates assume

⁸ [https://www.whitehouse.gov/wp-](https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf)

[content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf](https://www.whitehouse.gov/wp-content/uploads/2021/02/TechnicalSupportDocument_SocialCostofCarbonMethaneNitrousOxide.pdf)

⁹ IWG 2021. *Technical Support Document: Social Cost of Carbon, Methane, and Nitrous Oxide, Interim Estimates under Executive Order 13990*. Interagency Working Group on Social Cost of Greenhouse Gases, February 2021.

¹⁰ <https://www.whitehouse.gov/omb/information-regulatory-affairs/regulatory-matters/#scghgs>

development will start in 2023 and end-use emissions complete in 2061, based on experience with previous lease sales.

Table 4.10. Alternative 3 (Modified Proposed Action) SC-GHGs Associated with Future Potential Development

| | Social Cost of GHG (2020\$) | | | |
|-----------------------------------|--|--|--|---|
| | Average Value, 5% discount rate | Average Value, 3% discount rate | Average Value, 2.5% discount rate | 95th Percentile Value, 3% discount rate |
| Development and Operations | \$ 73,848,000 | \$ 266,201,000 | \$ 397,755,000 | \$ 780,288,000 |
| End-Use | \$ 202,730,000 | \$ 763,883,000 | \$ 1,155,700,000 | \$ 2,296,301,000 |
| Total | \$ 276,214,000 | \$ 1,030,084,000 | \$ 1,553,455,000 | \$ 3,076,589,000 |

4.2 Water Resources

4.2.1 Alternative 1 – No Action Alternative

Under the No Action Alternative, the Proposed Action or alternatives would not be authorized and BLM Wyoming would not offer any of the 209 parcels nominated. Ongoing oil and gas development, ranching, recreation, and other activities on BLM-administered lands would continue.

4.2.2 Alternative 2 – Proposed Action

The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to water resources. Subsequent development of a lease may lead to surface disturbance from the construction of well pads, access roads, pipelines, and powerlines, which can result in degradation of surface water quality and groundwater quality from point source pollution, nonpoint source pollution, increased surface water runoff and increased erosion. Alteration of natural drainage paths and channel morphology can also occur from surface disturbance associated with the installation of oil and gas wells. Removal of vegetation can also cause water erosion, leading to a loss of channel stability as well as an increase in sedimentation within drainages.

All parcels are subject to Standard Lease Notice No. 1 which requires at a minimum 500' offset from perennial surface waters and with site-specific analysis could require a greater offset requirement if site-specific impact analysis finds that it is warranted. Several parcels also contain specific stipulations for water resources (see Appendix 5.1).

Spills of materials used to drill/complete the wells and or produced formation fluids could result in contamination of the soil and may potentially impact surface and groundwater resources in the long term if not detected and addressed.

Several techniques may be used in exploration and development operations to increase or enhance the flow of oil and gas. They include hydraulic fracturing and acid introduction to dissolve the formation matrix and create larger void space(s).

Without a discrete development proposal, the use of hydraulic fracturing in the oil and gas development process cannot be predicted. However, this EA incorporates by reference, in its entirety, the Hydraulic Fracturing White Paper included in Appendix 5.8. This document provides a general discussion of the hydraulic fracturing process and issues associated with its use.

The potential for negative impacts to groundwater caused from completion activities such as hydraulic fracturing, have not been confirmed but based on its history of use are not likely. A recent study completed on the Pinedale Anticline did not find a direct link to known detections of petroleum hydrocarbons to the hydraulic fracturing process. Groundwater contamination investigations have also been conducted at the Pavillion gas field and according to a November 7, 2016 fact sheet from the Wyoming Department of Environmental Quality, it is unlikely that the hydraulic fracturing activities have caused impacts to water supply wells (<https://deq.wyoming.gov/water-quality/groundwater/investigations/pavillion-area-investigation/#1814069153>).

Authorization of the proposed projects would require full compliance with local, state, and federal directives and stipulations that relate to surface, and groundwater protection and the BLM would deny any APD who proposed drilling and/or completion process was deemed to not be protective of usable water zones as required by 43 CFR 3162.5-2(d).

Groundwater could be affected by multiple factors, including industrial, domestic, or agricultural activities through withdrawal, injection (including chemical injection), or mixing of materials from different geologic layers or the surface. Withdrawal of groundwater could affect local groundwater flow patterns and create changes in the quality or quantity of the remaining groundwater. Based on an evaluation of statewide groundwater availability, and the total projected number of wells to be drilled/completed on BLM administered lands, adequate water supplies are available and would not result in significant impacts on a regional basis even during drought conditions. Loss of a permitted source of groundwater supply due to drawdown would be considered a significant impact if it were to occur. This potential would be assessed at the development stage should a parcel be offered and a lease issued and subsequent development proposed. The drilling of horizontal wells, versus directional and vertical wells may initially appear to require a greater volume of water for drilling/completion purposes. However, a horizontal well develops a much larger area of the reservoir than a directional and/or vertical well and results in a lesser volume of fluids being required.¹¹

Information contained in Appendix 4.3, Hydraulic Fracturing White Paper, Section III, Potential Impacts to Usable Water zones (Appendix pages 210-213), is incorporated by reference. The information being incorporated by reference is generally summarized below. Impacts to the quality of groundwater, should they occur, would likely be limited to a near well bore location due to inferred groundwater flow conditions in the area of the parcels and based on studies completed in the Pinedale Anticline. Impacts to near well groundwater could occur from poor casing and/or cementing practices and the use of potentially hazardous materials within those formations containing freshwater and/or usable water zones. The materials proposed for use in the drilling program within freshwater and/or usable water zones are typically water based and would be protective of usable zones, both water quality and formation integrity. If an operator proposed to use oil-based mud in their drilling program, their use is limited to the production formation and formations containing waters deemed to not be usable.

Exploration, development, and production of traditional oil and gas resources typically do not significantly deplete ground water on a regional basis but may have a limited, short-duration, near-well bore drawdown around the water supply well depending upon length and intensity of pumping activity. Oil and gas resources are often developed from geological reservoirs that do not contain significant amounts of freshwater with the exception of some CBM developed formations; however, the development and production of oil and gas can affect adjacent or nearby aquifers. Potential impacts result from the creation of artificial pathways between oil and gas reservoirs and adjacent aquifers. Modification of ground water flow paths may cause fresh ground water to contact oil or gas. In addition,

improper disposal of waste waters (brine, storm runoff), drilling/completion fluids, and other wastes can impact the quality of underlying ground water (U.S EPA 1987).

A high risk of fluid migration exists along the vertical pathways created by inadequately constructed wells and unplugged inactive wells. Brine or hydrocarbons can migrate to overlying or underlying aquifers in such wells. Since the 1930s, most States have required that multiple barriers be included in well construction and abandonment to prevent migration of injected water, formation fluids, and produced fluids. These barriers include (1) setting surface casing below all known aquifers and cementing the casing to the surface, and (2) extending the casing from the surface to the production or injection interval and cementing the interval. Barriers that can be used to prevent fluid migration in abandoned wells include cement or mechanical plugs. They should be installed (1) at points where the casing has been cut, (2) at the base of the lowermost aquifer, (3) across the surface casing shoe, and (4) at the surface. Individual states, including Wyoming, and the BLM have casing programs for oil and gas wells to limit cross contamination of aquifers. Any proposed drilling/completion activities would have to comply with Onshore Order #2, 43 CFR § 3160 regulations, and not result in a violation of a Federal and/or State law. If these conditions were not met, the proposal would be denied. As such, no significant impacts to groundwater from the proposed action are expected.

The act of offering, selling, and issuing federal oil and gas leases does not produce impacts to watersheds. Subsequent development of a lease may result in long- and short-term alterations to the hydrologic regime depending upon the intensity and context of a specific proposal. Flows of perennial streams, ephemeral, intermittent rivers and streams and their associate could be directly affected in the short term by an increase in impervious surfaces resulting from the construction of the well pad and road. An increase in impervious surfaces provides for reduced infiltration which can then cause overland to move more quickly causing peak flow to potentially occur earlier, have a higher flow velocity and/or a larger volume than the channels are equipped for. Increased velocity and volume of peak flow can cause bank erosion, channel widening, downward incision, and disconnection from the floodplain. The potential hydrologic effect to low flow is reduced surface storage and groundwater recharge, which can then result in reduced base flow to perennial rivers and/or streams and potentially causing intermittent channels to become ephemeral. The direct impact would be that hydrologic processes may be altered where the perennial, ephemeral, and intermittent river and stream system responds by changing physical parameters, such as channel configuration. These changes may in turn impact water quality and ultimately the aquatic ecosystem through eutrophication, changes in water temperature, and/ or a change in the food structure.

Minor long-term impacts to the watershed and hydrology could continue for the life of surface disturbance from water discharge from roads, road ditches, and well pads, but would decrease once all well pads and road surfacing material has been removed and reclamation of well pads, access roads, pipelines, and powerlines have taken place. Interim reclamation of the portion of the well pad not needed for production operation, as well as re-vegetating the portion of the pad that is needed for production operations, as well as re-vegetating road ditches would reduce this long-term impact. Short-term impacts to the watershed and hydrology from access roads that are not surfaced with impervious materials would occur and would likely decrease in time due to reclamation efforts.

Water depletions connected hydrologically potentially affecting the Colorado or Platte River drainages may affect T&E aquatic species or their designated critical habitats and would therefore require consultation with USFWS, and applicable point-source discharges would require permits under the National Pollution Discharge Elimination System (NPDES) and approval by the BLM prior to disposal of water produced from federal oil and gas leases; potential impacts would be mitigated at that time.

Underground waste disposal is regulated under the Underground Injection Control (UIC) program, which was authorized under the Safe Drinking Water Act. If a drilling/completion proposal is found to not be protective of usable water zones, as required by 43 CFR § 3162.5-2(d) and Onshore Oil and Gas Order No. 2, the proposal could be denied by the BLM. Requirements for groundwater monitoring have been instituted throughout Wyoming by the WOGCC. This monitoring will add a level of certainty regarding the impacts of oil and gas drilling/completion activities on groundwater in Wyoming.

The use of practices such as but not limited to closed-loop mud systems or lined reserve pits would reduce or eliminate seepage of waste fluids into the soil and eventually reaching groundwater. The casing and cementing requirements imposed on proposed wells would reduce or eliminate the potential for groundwater contamination from drilling/completion/production fluids and other surface sources. Additionally, the use of closed-loop or semi-

closed loop drilling systems may be required by the BLM (see BLM-Wyoming Instruction Memorandum WY-2012-007, “Management of Oil and Gas Exploration and Production Pits”).

Stormwater Pollution Prevention Plans (SWPPs) are required by the State of Wyoming before any surface disturbance associated with construction actions greater than 1 acre in size. Prior to authorization of surface disturbance on a lease, the BLM will require a Surface Use Plan of Operations be submitted to the BLM, and the BLM authorized officer may require additional erosion control measures to reduce the volume of surface runoff and subsequent sediment transport. Upon abandonment of the wells and/or when access roads are no longer in service, the BLM will require surface reclamation of the disturbed areas as described in Standard Lease Term No. 6 and in accordance with the approved APD or Sundry Notice.

4.2.3 Alternative 2 – Modified Proposed Action

Under implementation of Alternative 3 impacts would be similar to those described for Alternative 2. 47 fewer parcels (79,223.69 acres) would be offered resulting in a reduction of potential impacts to water resources.

4.2.4 Alternative 2 – Cumulative Impacts

Surface disturbance from ongoing oil and gas development, residential development, farming, ranching, and recreational activities would continue to result in disturbances to water resources. The act of leasing would have negligible impacts to water resources. Alternatives 2 and 3 are not expected to have foreseeable impacts to water resources or contribute to trends in the area that may impact water resources.

4.3 Greater Sage-Grouse

4.3.1 Alternative 1 – No Action Alternative

Under the No Action Alternative, the Proposed Action or alternatives would not be authorized, and BLM Wyoming would not offer any of the 209 parcels nominated. Ongoing oil and gas development, ranching, recreation, and other activities on BLM-administered lands would continue.

4.3.2 Alternative 2 – Proposed Action

Under Alternative 2, The field office staff reviewed the potential parcels and recommends; which lands need to be removed from further consideration (e.g. lands unavailable for lease due to RMP decisions); which lands need to be deferred (potential conflicts that may have arisen); and leasing stipulations based on RMP decisions and verifies the correct stipulations are attached with the WGFD. The District Offices send a compiled list back to the WSO. The State Director (SD) and the District Managers (DMs) coordinate and discuss the recommendations and concur on which potential parcels, or portions of parcels move forward for analysis and inclusion into the quarterly CLS environmental assessment (EA) as shown in Table 4.12

Table 4.11: Greater Sage-Grouse Parcels Available in Alternative 2

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1352 | 1280 | | | 1280 | | X | | GHMA |
| 1356 | 40.48 | | | 40.48 | | X | | GHMA |
| 1357 | 453.71 | | | 453.71 | | X | | GHMA |
| 1358 | 754.49 | | | 754.49 | | X | | GHMA |
| 1361 | 0.3 | | | 0.3 | | X | | GHMA |
| 1362 | 40 | | | 40 | | X | | GHMA |
| 1364 | 1359.91 | | | 1359.91 | | X | | GHMA |
| 1437 | 623.75 | | | 623.75 | | | X | PHMA |
| 1438 | 1119.59 | | | 1119.59 | | X | | GHMA |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1439 | 1718.35 | | | 1718.35 | | | X | PHMA |
| 1443 | 1254.78 | | | 1254.78 | | X | | GHMA |
| 1458 | 668.54 | | | 668.54 | | X | | GHMA |
| 1462 | 80 | | | 80 | | | X | PHMA |
| 1463 | 480 | | | 480 | | | X | PHMA |
| 1464 | 264.2 | | | 264.2 | | | X | PHMA |
| 1465 | 1649.25 | | | 1649.25 | | | X | PHMA |
| 1475 | 1800 | | | 1800 | | X | | GHMA |
| 1477 | 1612.62 | | | 1612.62 | | X | | GHMA |
| 1480 | 40.49 | | | 40.49 | | X | | GHMA |
| 1481 | 39.78 | | | 39.78 | | X | | GHMA |
| 1483 | 279.45 | | | 279.45 | | X | | GHMA |
| 1484 | 600.02 | | | 600.02 | | X | | GHMA |
| 1502 | 118.07 | | | 118.07 | | X | | GHMA |
| 1512 | 1891.67 | | | 1891.67 | | X | | GHMA |
| 1525 | 745.92 | | 43.26 | 702.66 | | X | | GHMA |
| 1529 | 722.64 | | | 722.64 | | X | | GHMA |
| 1542 | 1591.18 | | | 1591.18 | | | X | PHMA |
| 1544 | 40.7 | | | 40.7 | | X | | GHMA |
| 1567 | 156.46 | | | 156.46 | | X | | GHMA |
| 1568 | 323.82 | | | 323.82 | | X | | GHMA |
| 1569 | 165.51 | | | 165.51 | | X | | GHMA |
| 1570 | 800.86 | | | 800.86 | | X | | GHMA |
| 1731 | 424.26 | | | 424.26 | | X | | GHMA |
| 7246 | 1360 | | | 1360 | | | X | PHMA |
| 7247 | 1600.01 | | | 1600.01 | | | X | PHMA |
| 1365 | 318.8 | | | 318.8 | | | X | PHMA |
| 1400 | 40 | | | 40 | | X | | GHMA |
| 1405 | 640 | | | 640 | | X | | GHMA |
| 1412 | 80 | | | 80 | | X | | GHMA |
| 1413 | 320 | | | 320 | | X | | GHMA |
| 1421 | 760 | | | 760 | | X | | GHMA |
| 1498 | 400 | | | 400 | | | X | PHMA |
| 1499 | 480 | | | 480 | | | X | PHMA |
| 1511 | 572.56 | | | 572.56 | | | X | PHMA |
| 1530 | 160 | | | 160 | | | X | PHMA |
| 1541 | 200 | | | 200 | | X | | GHMA |
| 1562 | 40 | | | 40 | | X | | GHMA |
| 1581 | 318.03 | | | 318.03 | X | | | Non-Habitat |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1772 | 40 | | | 40 | | X | | GHMA |
| 1354 | 216.12 | | | 216.12 | | | X | PHMA |
| 1359 | 1520.88 | | | 1520.88 | | | X | PHMA |
| 1573 | 2392.46 | | | 2392.46 | | X | | GHMA |
| 1575 | 2248.95 | | | 2248.95 | | X | | GHMA |
| 1576 | 1558.93 | | | 1558.93 | | X | | GHMA |
| 1577 | 2549.74 | | | 2549.74 | | X | | GHMA |
| 1578 | 2212.62 | | | 2212.62 | | X | | GHMA |
| 1579 | 2207.76 | | | 2207.76 | | X | | GHMA |
| 1580 | 1501.2 | | | 1501.2 | | X | | GHMA |
| 7258 | 1263.62 | | | 1263.62 | | X | | GHMA |
| 1557 | 2559.24 | | | 2559.24 | | X | | GHMA |
| 1558 | 1921.28 | | | 1921.28 | | | X | PHMA |
| 1560 | 2233.36 | | | 2233.36 | | | X | PHMA |
| 1561 | 1278.88 | | | 1278.88 | | X | | GHMA |
| 7251 | 2000 | | | 2000 | | | X | PHMA |
| 1532 | 305.24 | | | 305.24 | | X | | GHMA |
| 1536 | 800 | | | 800 | | X | | GHMA |
| 1538 | 1608.52 | | | 1608.52 | | X | | GHMA |
| 1543 | 920 | | | 920 | | X | | GHMA |
| 7253 | 880 | | | 880 | | X | | GHMA |
| 0001 | 40 | | | 40 | X | | | Non-Habitat |
| 1326 | 320 | | | 320 | | X | | GHMA |
| 1327 | 800 | | | 800 | | X | | GHMA |
| 1328 | 320 | | | 320 | | X | | GHMA |
| 1329 | 120 | | | 120 | | X | | GHMA |
| 1330 | 320 | | | 320 | | X | | GHMA |
| 1331 | 1843.36 | | | 1843.36 | | X | | GHMA |
| 1332 | 470.38 | | | 470.38 | | X | | GHMA |
| 1333 | 120 | | | 120 | | X | | GHMA |
| 1334 | 80 | | | 80 | | X | | GHMA |
| 1335 | 119.53 | | | 119.53 | | | X | PHMA |
| 1336 | 280.19 | | | 280.19 | | | X | PHMA |
| 1337 | 80 | | | 80 | | X | | GHMA |
| 1338 | 40 | | | 40 | | X | | GHMA |
| 1339 | 40 | | | 40 | | X | | GHMA |
| 1340 | 240 | | | 240 | | X | | GHMA |
| 1341 | 160 | | | 160 | | X | | GHMA |
| 1342 | 231.78 | | | 231.78 | | X | | GHMA |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1343 | 36.12 | | | 36.12 | | X | | GHMA |
| 1344 | 440 | | | 440 | | X | | GHMA |
| 1345 | 120 | | | 120 | | X | | GHMA |
| 1346 | 880 | | | 880 | | | X | PHMA |
| 1347 | 2084.65 | | | 2084.65 | | X | | GHMA |
| 1348 | 600.52 | | | 600.52 | | X | | GHMA |
| 1349 | 120 | | | 120 | | | X | PHMA |
| 1355 | 120 | | | 120 | | X | | GHMA |
| 1363 | 320.47 | | | 320.47 | | X | | GHMA |
| 1539 | 1040 | | | 1040 | | | X | PHMA |
| 1540 | 640 | | | 640 | | | X | PHMA |
| 1545 | 1752.12 | | | 1752.12 | | X | | GHMA |
| 1548 | 120 | | | 120 | | X | | GHMA |
| 1549 | 240 | | | 240 | | | X | PHMA |
| 1551 | 2037.99 | | | 2037.99 | | X | | GHMA |
| 1552 | 949.44 | | | 949.44 | | | X | PHMA |
| 1554 | 1123.36 | | | 1123.36 | | X | | GHMA |
| 1559 | 680 | | | 680 | | X | | GHMA |
| 1563 | 2041.61 | | | 2041.61 | | X | | GHMA |
| 1564 | 963.59 | | | 963.59 | | X | | GHMA |
| 1565 | 1680 | | | 1680 | | X | | GHMA |
| 7221 | 320 | | | 320 | | X | | GHMA |
| 7235 | 1240 | | | 1240 | | | X | PHMA |
| 7254 | 2036.45 | | | 2036.45 | | | X | PHMA |
| 7255 | 2361.9 | | | 2361.9 | | | X | PHMA |
| 7257 | 1240 | | | 1240 | | X | | GHMA |
| 1490 | 111.86 | | | 111.86 | | X | | GHMA |
| 7252 | 840 | | | 840 | | X | | GHMA |
| 1399 | 2080 | | | 2080 | | | X | PHMA |
| 1414 | 1080.2 | | | 1080.2 | | | X | PHMA |
| 1419 | 1920.84 | | | 1920.84 | | | X | PHMA |
| 1422 | 2478.32 | | | 2478.32 | | | X | PHMA |
| 1426 | 2520 | | | 2520 | | | X | PHMA |
| 1430 | 2320 | | | 2320 | | | X | PHMA |
| 1434 | 2081.76 | | | 2081.76 | | | X | PHMA |
| 1436 | 2320 | | | 2320 | | X | | GHMA |
| 1440 | 2360 | | | 2360 | | X | | GHMA |
| 1441 | 1923.9 | | | 1923.9 | | X | | GHMA |
| 1444 | 1924.84 | | | 1924.84 | | | X | PHMA |
| 1447 | 1600 | | | 1600 | | | X | PHMA |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1493 | 120 | | | 120 | X | | | Non-Habitat |
| 1494 | 120 | | | 120 | X | | | Non-Habitat |
| 1496 | 527.52 | | | 527.52 | | X | | GHMA |
| 1497 | 480 | | | 480 | | X | | GHMA |
| 1500 | 2075.3 | | | 2075.3 | | | X | PHMA |
| 1501 | 1591.38 | | | 1591.38 | | X | | GHMA |
| 1503 | 1616.76 | | | 1616.76 | | X | | GHMA |
| 1510 | 733.74 | | | 733.74 | | X | | GHMA |
| 1516 | 1280 | | | 1280 | | X | | GHMA |
| 1517 | 1369.34 | | | 1369.34 | | X | | GHMA |
| 1520 | 2133.14 | | | 2133.14 | | | X | PHMA |
| 1521 | 2138.82 | | | 2138.82 | | | X | PHMA |
| 1522 | 1817.62 | | | 1817.62 | | | X | PHMA |
| 1571 | 480 | | | 480 | | X | | GHMA |
| 7223 | 2520.77 | | | 2520.77 | | X | | GHMA |
| 7224 | 1960.95 | | | 1960.95 | | | X | PHMA |
| 7232 | 2520 | | | 2520 | | X | | GHMA |
| 7234 | 1931.49 | | | 1931.49 | | X | | GHMA |
| 7236 | 2560 | | | 2560 | | X | | GHMA |
| 7249 | 547.04 | | | 547.04 | | X | | GHMA |
| 1350 | 480 | | | 480 | | X | | GHMA |
| 1351 | 2155.84 | | | 2155.84 | | X | | GHMA |
| 1401 | 118.8 | | | 118.8 | | X | | GHMA |
| 1402 | 2440 | | | 2440 | | | X | PHMA |
| 1404 | 2240 | | | 2240 | | X | | GHMA |
| 1407 | 1275.96 | | | 1275.96 | | X | | GHMA |
| 1408 | 1676.62 | | | 1676.62 | | X | | GHMA |
| 1410 | 2161.55 | | 40 | 2121.55 | | X | | GHMA |
| 1411 | 1163.63 | | | 1163.63 | | X | | GHMA |
| 1415 | 1320 | | 40 | 1280 | | X | | GHMA |
| 1425 | 2560 | | | 2560 | | | X | PHMA |
| 1429 | 1915.32 | | | 1915.32 | | | X | PHMA |
| 1431 | 1946.32 | | | 1946.32 | | X | | GHMA |
| 1446 | 1909.68 | | | 1909.68 | | | X | PHMA |
| 1448 | 2522.76 | | | 2522.76 | | | X | PHMA |
| 1449 | 962.73 | | | 962.73 | | | X | PHMA |
| 1451 | 1240 | | 40 | 1200 | | | X | PHMA |
| 1452 | 2359.84 | | | 2359.84 | | | X | PHMA |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1453 | 2560 | | | 2560 | | | X | PHMA |
| 1454 | 2096.26 | | | 2096.26 | | | X | PHMA |
| 1455 | 1280 | | | 1280 | | | X | PHMA |
| 1456 | 1571.41 | | | 1571.41 | | | X | PHMA |
| 1457 | 2560 | | | 2560 | | | X | PHMA |
| 1459 | 2539.84 | | | 2539.84 | | | X | PHMA |
| 1478 | 2442.67 | | | 2442.67 | | | X | PHMA |
| 1486 | 2240 | | | 2240 | | X | | GHMA |
| 1488 | 640 | | | 640 | | X | | GHMA |
| 1489 | 640 | | | 640 | | X | | GHMA |
| 1491 | 2554.8 | | | 2554.8 | | | X | PHMA |
| 1492 | 1920 | | | 1920 | | | X | PHMA |
| 1495 | 1120 | | | 1120 | | X | | GHMA |
| 1504 | 104.87 | | | 104.87 | | X | | GHMA |
| 1505 | 79.85 | | | 79.85 | | X | | GHMA |
| 1506 | 2554.58 | | | 2554.58 | | | X | PHMA |
| 1507 | 2360 | | | 2360 | | | X | PHMA |
| 1508 | 1920 | | | 1920 | | | X | PHMA |
| 1509 | 640 | | | 640 | | X | | GHMA |
| 1513 | 1680 | | | 1680 | | X | | GHMA |
| 1514 | 1997.36 | | | 1997.36 | | X | | GHMA |
| 1515 | 1840.27 | | | 1840.27 | | X | | GHMA |
| 1523 | 1573.03 | | | 1573.03 | | | X | PHMA |
| 1524 | 1237.42 | | | 1237.42 | | X | | GHMA |
| 1526 | 1280.3 | | | 1280.3 | | | X | PHMA |
| 1527 | 360 | | | 360 | | X | | GHMA |
| 1528 | 2132.8 | | | 2132.8 | | X | | GHMA |
| 1599 | 40 | | | 40 | | X | | GHMA |
| 7225 | 2245.04 | | | 2245.04 | | | X | PHMA |
| 7227 | 1920 | | | 1920 | | | X | PHMA |
| 7228 | 2520 | | | 2520 | | X | | GHMA |
| 7231 | 1880 | | | 1880 | | X | | GHMA |
| 7239 | 631.24 | | | 631.24 | | X | | GHMA |
| 7240 | 1799.14 | | | 1799.14 | | X | | GHMA |
| 7241 | 1520 | | | 1520 | | X | | GHMA |
| 7242 | 2534.36 | | | 2534.36 | | | X | PHMA |
| 7243 | 1860.39 | | 40.57 | 1819.82 | | | X | PHMA |
| 7250 | 2330.52 | | | 2330.52 | | X | | GHMA |
| 7259 | 2240 | | | 2240 | | | X | PHMA |
| 1353 | 1280 | | | 1280 | | X | | GHMA |

| Parcel Number | Nominated Acres | Delete in Full | Delete in Part | Acres Available | Non-habitat (P1) | GHMA (P2) | PHMA (P3/P4/P5) | Evaluation Label |
|---------------|-----------------|----------------|----------------|-----------------|------------------|-----------|-----------------|------------------|
| 1470 | 942.25 | | | 942.25 | | X | | GHMA |
| 1479 | 2119.42 | | | 2119.42 | | X | | GHMA |
| 1485 | 1120 | | | 1120 | | X | | GHMA |
| 7248 | 2249.08 | | | 2249.08 | | X | | GHMA |

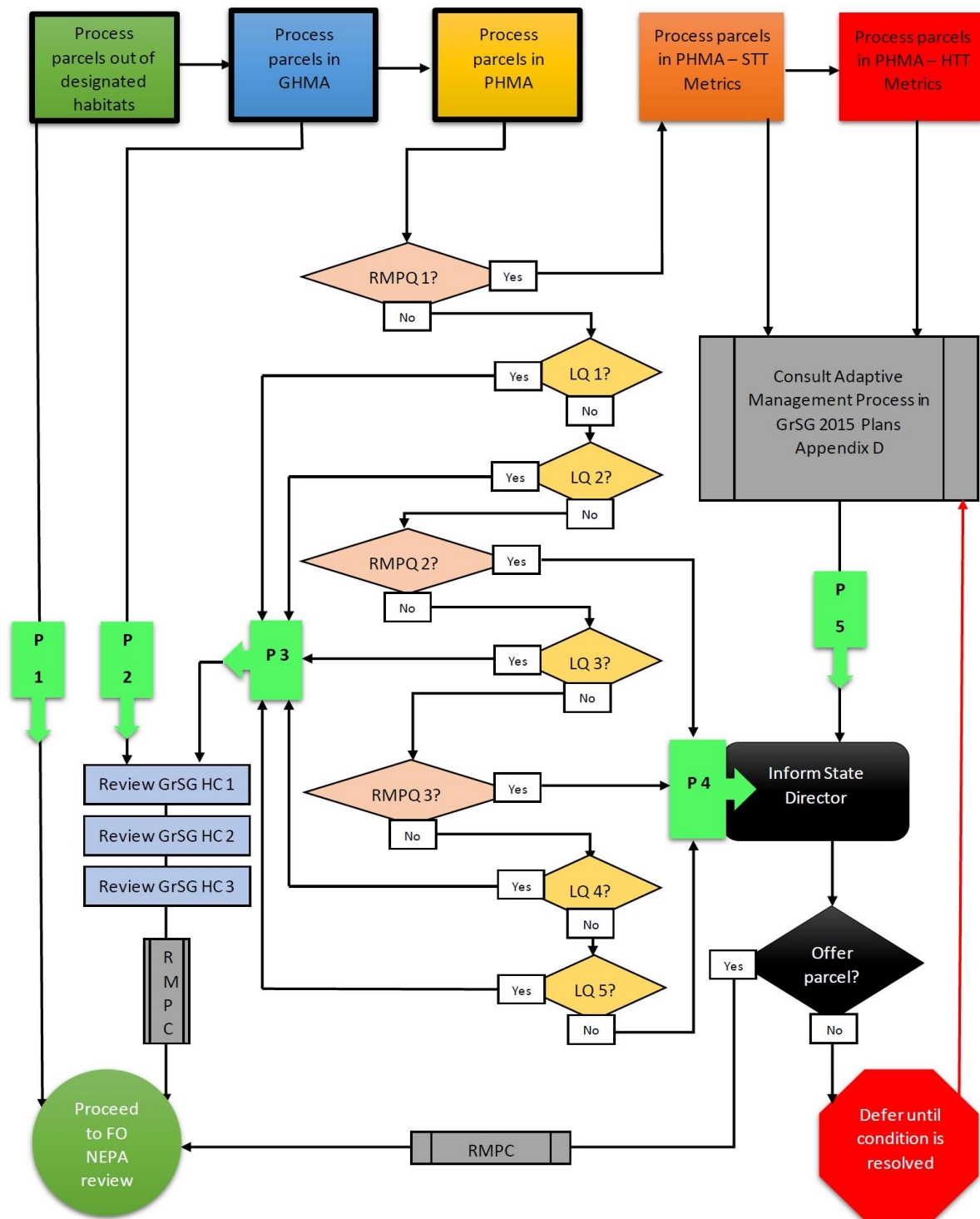
4.3.3 Alternative 3 – Modified Proposed Action

Alternative 3 follows the ARMPA which indicates that prioritization would occur for leasing and development, along with the decisions from the court cases, the WSO has taken the following approach for this sale: 1) identify all parcels outside of sage- grouse habitat (parcels that are not completely or partially within GHMA or PHMA) and lease according to the appropriate stipulations from the field office RMP, 2) identify parcels that are completely within designated GHMA (if any portion of a GHMA parcel contained PHMA, the entire parcel was considered a PHMA parcel), and 3) identify which parcels are wholly or partially within PHMA. Table 4.13 describes each parcel, its designated habitat type(s) and provides the ‘Evaluation Label’ for prioritization purposes.

¹² On August 1, 2008, the Wyoming Governor issued Executive Order 2008-2, establishing a “core population area strategy” for Greater Sage-grouse in Wyoming. This Executive Order has since been re-issued (June 2, 2011 as EO 2011-5; July 29, 2015 as EO 2015-4 and, most recently, on August 21, 2019 as EO 2019-3). The BLM and State of Wyoming use identical core population area boundaries; see https://eplanning.blm.gov/epl-front-office/projects/lup/36597/130805/159604/RMP_Maint_2017-001_Sage-Grouse_Core_V4.pdf

¹³ Gamo, R.S., and Beck, J.L., 2017, Effectiveness of Wyoming's sage-grouse core areas: Influences on energy development and male lek attendance: *Environmental Management*, v. 59, no. 2, p. 189-203.

Figure 4-3. Greater Sage-grouse Prioritization Flowchart



Refer to the list below when using the flowchart for prioritizing leasing.

Prioritization (P) –

The prioritization arrows summarize consideration of parcels in addition to the sequence displayed across the top of the flowchart. The early enhanced review steps within the flowchart allow for categorization of proposed lease parcels into the following five leasing priorities:

P1 - These parcels receive the highest priority for leasing.

P2 - These parcels receive the second highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**).

P3 - These parcels receive the third highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1** and/or **P2**).

P4 - These parcels receive the fourth highest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**, **P2**, and/or **P3**).

P5 - These parcels receive the lowest priority for leasing (after considering all parcels nominated for the current sale categorized as **P1**, **P2**, **P3**, and/or **P4**).

Greater Sage-Grouse (GrSG) Habitat Conditions (HC) –

Wyoming State Office staff (WYSO 930) will verify with the appropriate agency that the most current and accurate data layers are available to the Field Offices for the review of these parcels. Current agreements with the Wyoming Game and Fish Department (WGFD) will be followed for utilization of the most current published data. A value assessment of these conditions and the subsequent application of RMP Management Decisions and Lease Stipulations will be addressed within the Leasing EA or during site-specific development proposal NEPA reviews. GrSG HCs within the flowchart refer to three types of potentially changing habitat designation conditions:

GrSG HC 1 – Verify with the BLM Wyoming Division of Resource Policy and Management (WYSO 930) that the most current PHMA boundaries are utilized.

GrSG HC 2 – Verify with WYSO 930 that the most current lek location database is utilized.

GrSG HC 3 – Verify with WYSO 930 that the most current Winter Concentration Area location database is utilized.

Resource Management Plan Questions (RMPQ) –

Resource Management Plan Questions within the flowchart address RMP-level population and habitat disturbance/restoration/suitability conditions. The following three questions will provide evaluation considerations to determine prioritization of parcels located within PHMA.

RMPQ 1 - Discuss the Adaptive Management metrics with WYSO 930 for the PHMA unit containing this parcel.

RMPQ 2 - Is the parcel within an area of a prioritized restoration project?

RMPQ 3 - Is the parcel within an allotment that is failing to achieve the land health standards and conform with the guidelines?

Leasing Questions (LQ) -

Leasing Questions within the flowchart encourage new development in lands already impacted by development factors. Parcels meeting any of the criteria in these questions are given a higher priority for leasing. Parcels meeting none of the criteria should be considered of lower priority for leasing. The following five questions inform the decision to categorize a parcel as either Priority 3 or Priority 4.

LQ 1 - Does the parcel lie within an area where law or regulation indicates that offering the lands for leasing is in the government's interest, due to drainage of Federal minerals, 43 CFR § 3162.2-2, or trespass drilling on unleased lands?

LQ 2 - Is the parcel within an existing Federal oil and gas unit?

LQ 3 - Is the parcel immediately adjacent or proximate to existing oil and gas leases and development operations or other land use development?

LQ 4 - Is the parcel within an area with a completed field-development Environmental Impact Statement or Master Leasing Plan that allows for adequate site-specific mitigation and is in conformance with the objectives and provisions in the GrSG Plans?

LQ 5 - Is the parcel in an area with higher potential for development (for example, considering the oil and gas

potential maps developed by the BLM for the GrSG Plans)?

Resource Management Plan Conditions (RMPC) –

RMPC - Ensure that a decision to lease those lands would conform to the conservation objectives and provisions in the GrSG Plans.

Any parcel(s) located in Non-habitat are given first priority and sent to the respective field office for an RMP conformance review (P1 within Prioritization Flowchart). Application of appropriate stipulations from the RMP are applied to each parcel in conformance with the FO RMP. WGFD also reviews the parcels to provide recommendations to the BLM. These initial WGFD reviews are coordinated with the respective BLM FO. Once a field office has completed its review, the parcel list is sent back to the BLM WSO and is incorporated into the competitive lease sale EA.

Parcels completely within GHMA were then reviewed to verify that the BLM is using the most current GHMA/PHMA boundaries, the most current lek location database information (maintained by WGFD) and most current Winter Concentration Area locations are reviewed in relation to the parcels, before being considered for sale offering. BLM WSO has applied the most current stipulations to each parcel (Appendix 4.1), as appropriate, and sent those parcels to the field office for review as described above in the Non-habitat parcel review process. All parcels with the 'Evaluating Label' of GHMA were recommended to be offered for lease (P2 in flowchart).

For all parcels (wholly or partially) located within designated PHMA, the BLM WSO has taken the following approach. Identify if any of the PHMA parcels are located in an area in which a habitat and/or population metric indicates a need for further review (MD SSS 13, pg. 37-38, 2015 ARMPA). If a parcel is located within one of these areas, BLM WSO will use the adaptive management process outlined in Appendix D of the 2015 ARMPA and notify the BLM WY SD (P5). The decision made by the SD to lease or defer the parcel(s) would be based on criteria located in Appendix D along with other available information.

For parcels located in an area where the habitat and/or population metrics are within normal ranges, BLM WSO would identify any parcel(s) located in an area where law or regulation indicates that offering the lands for lease would be in the government's best interest. An example would be if any of the parcels are subject to potential fluid minerals drainage from a nearby/adjacent lease (see Table 4.13 below for any parcel meeting this criteria). If any of the proposed parcels identified as being in an area where law or regulation indicates that offering the lands is in the government's best interest (LQ1), BLM WSO would apply the appropriate stipulations (P3) and send the parcel to the respective field office for further review and inclusion to the EA, as described in the Non-habitat process (page 15 of this appendix).

If none of the parcels are identified within the first two criteria, BLM WSO would identify if any of the parcels are located within an existing federal oil and gas unit (LQ2, see Table 4.13 below for any parcel meeting this criteria). If a parcel is located within an existing unit, BLM WSO would apply the appropriate stipulations (P3) to the lease as described in Non-habitat process (page 15 of this appendix). Leasing parcels in an existing federal oil and gas unit congregates leases in a particular area, potentially minimizing the amount of surface disturbance.

Any parcels that are not located in an area in which a habitat and/or population metric indicates a need for further review (RMPQ1), in an area where it is the government's best interest to lease (LQ1) or in an existing Federal Oil and Gas Unit (LQ2), BLM WSO will identify any parcel(s) that are located within areas of prioritized restoration projects (RMPQ2, see Table 3.27 below for any parcel meeting this criteria). An example of this could be where BLM WY, along with state and local resources and/or private entities, have invested large amounts of time and resources to restore the habitat within an area. These areas would be considered a priority if they are trending toward successful reclamation and new disturbance that may occur as a result if leasing would hinder the continuation of that trend. If a parcel is identified within one of these areas, the BLM WY SD would make the final determination to lease the parcel or defer the parcel (P4). If the SD chooses to lease the parcel, BLM WSO would apply the appropriate sage-grouse stipulations (P3) and send the parcel to the respective field office for further review and inclusion to the lease sale EA, as described in the Non-habitat process (page 57).

If none of the above criteria are met, BLM WSO would identify any of the parcels are located within a completed oil and gas field-development Environmental Impact Statement or Master Leasing Plan area (see Table 4.13 below for

any parcel meeting this criteria) that allows for adequate site-specific mitigation and is in conformance with the objectives of the Greater Sage-Grouse (GSG) plans (LQ3). Any parcels that meet this criterion would have stipulations applied accordingly (P3) and sent to the respective field office for further review and inclusion in the EA, as described in the Non-habitat process.

If any of the above screening criteria are not met, BLM WSO would identify if any of the parcels are located within an allotment that is failing to achieve the land health standards (see Table 3.27 below for any parcel meeting this criteria) and conform with the guidelines (RMPQ3). If a proposed parcel is located within an allotment that is failing land health standards, the BLM WY SD will be notified (P4). It will be the discretion of the SD to defer the parcel(s) or lease the parcel(s) based upon the information available concerning the particular allotment. If a parcel is proposed for lease, the appropriate sage-grouse stipulations will be applied (P3) and sent to the respective FO for further review, as described in the Non-habitat process (page 57).

If none of the parcels are located within the criteria listed above, BLM WSO would identify any parcel that is immediately adjacent or proximate to existing oil and gas leases and development (LQ4, see Table 3.27 below for any parcel meeting this criteria). Any parcel adjacent to an existing oil and gas lease or development would have the appropriate stipulations applied (P3) and sent to the respective field office as described in the Non-habitat process.

The BLM WSO would identify any parcel located in an area with high potential for development (LQ5) (i.e. consider the oil and gas potential maps developed by the BLM for the GSG Plans) if none of the above criteria are met. Again, any parcel located within these areas with high potential for development, the BLM WSO would apply the appropriate stipulations (P3) and send to the respective field office for further review.

Finally, the BLM WSO would provide the SD a list of parcels, location, and any additional information required, if none of the criteria are met (P4). This would allow the SD to make an informed decision to lease the parcel during this sale (P3) or defer and review again during the next sale. The process is also outlined in the flowchart on page 47 with the flowchart guidance on page 48 and 49.

Table 4.12: PHMA parcel evaluation and recommendation:

| 2023-06-Parcel Num. | Law or Reg. (i.e. drainage) (P3) | Unit (P3) | Existing EIS or MLP (P3) | Area of High Development Potential (P3) | Adjacent to Existing Lease (P3) | Area of Prioritized Restoration Project (P4) | Land Health Standards (P4) | No Criteria Met (P4) | Adaptive Mgmt. Metrics (P5) | Initial Recommendation to SD |
|---------------------|----------------------------------|-----------|--------------------------|---|---------------------------------|--|----------------------------|----------------------|-----------------------------|------------------------------|
| 0001 | | | | | | | | X | | Defer – USACE Consultation |
| 1326 | | | | | | | | X | | Lease |
| 1327 | | | | | | | | X | | Lease |
| 1328 | | | | | | | | X | | Lease |
| 1329 | | | | | | | | X | | Lease |
| 1330 | | | | | | | | X | | Lease |
| 1331 | | | | | | | | X | | Lease |
| 1332 | | | | | | | | X | | Lease |
| 1333 | | | | | | | | X | | Lease |
| 1334 | | | | | | | | X | | Lease |
| 1335 | | | | | | | | | X | Defer - Prioritization |
| 1336 | | | | | | | | | X | Defer |
| 1337 | | | | | | | | X | | Lease |
| 1338 | | | | | | | | X | | Lease |
| 1339 | | | | | | | | X | | Lease |
| 1340 | | | | | | | | X | | Lease |
| 1341 | | | | | | | | X | | Lease |
| 1342 | | | | | | | | X | | Lease |

| | | | | | | | | | | |
|------|--|--|---|---|---|--|---|---|---|---------------------------|
| 1343 | | | | | | | | X | | Lease |
| 1344 | | | | | | | | X | | Lease |
| 1345 | | | | | | | | X | | Lease |
| 1346 | | | | | | | | X | | Lease |
| 1347 | | | | | | | | X | | Lease |
| 1348 | | | | | | | | X | | Lease |
| 1349 | | | | | | | | X | X | Defer - Prioritization |
| 1350 | | | | | | | | X | | Lease |
| 1351 | | | | | | | | X | | Lease |
| 1352 | | | | | | | | X | | Lease |
| 1353 | | | | | | | | X | | Lease |
| 1354 | | | | | | | X | | X | Defer - Prioritization |
| 1355 | | | | | | | | X | | Lease |
| 1356 | | | | | | | | X | | Lease |
| 1357 | | | | | | | | X | | Lease |
| 1358 | | | | | | | | X | | Lease |
| 1359 | | | | | | | X | | X | Defer - Prioritization |
| 1361 | | | | | | | | X | | Lease |
| 1362 | | | | | | | | X | | Lease |
| 1363 | | | | | | | | X | | Lease |
| 1364 | | | | | | | | X | | Lease |
| 1365 | | | | | | | | X | | Lease |
| 1399 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1400 | | | | | | | | X | | Lease |
| 1401 | | | | | | | | X | | Lease |
| 1402 | | | | X | | | | | X | Defer IM 2023-007 |
| 1404 | | | | | | | | X | | Lease |
| 1405 | | | | | | | | X | | Lease |
| 1407 | | | | | | | | X | | Lease |
| 1408 | | | | | | | | X | | Lease |
| 1410 | | | | | | | | X | | Lease |
| 1411 | | | | | | | | X | | Lease |
| 1412 | | | | | | | | X | | Lease |
| 1413 | | | | | | | | X | | Lease |
| 1414 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1415 | | | | | | | | X | | Lease |
| 1419 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1421 | | | | | | | | X | | Lease |
| 1422 | | | | X | | | | | X | Defer IM 2023-007 |
| 1425 | | | X | X | | | | | | Lease |
| 1426 | | | | X | | | | | X | Defer IM 2023-007 |
| 1429 | | | X | X | X | | | | X | Defer |
| 1430 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1431 | | | | | | | | X | | Lease |
| 1434 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1436 | | | | | | | | X | | Lease |
| 1437 | | | | | | | | X | | Lease |
| 1438 | | | | | | | | X | | Lease |

| | | | | | | | | | | |
|------|--|---|---|---|---|---|---|---|---|---------------------------|
| 1439 | | | | | | | | X | X | Defer - Prioritization |
| 1440 | | | | | | | | X | | Lease |
| 1441 | | | | | | | | X | | Lease |
| 1443 | | | | | | | | X | | Lease |
| 1444 | | | | X | | | | | X | Defer IM 2023-007 |
| 1446 | | | | X | | | | | X | Defer - Prioritization |
| 1447 | | | | X | | | | | X | Defer IM 2023-007 |
| 1448 | | | X | X | X | | | | X | Defer - Prioritization |
| 1449 | | | X | X | X | | | | | Lease |
| 1451 | | | | | | | | X | | Lease |
| 1452 | | X | X | X | X | | | | | Lease |
| 1453 | | | | | | | | X | X | Defer - Prioritization |
| 1454 | | | | | | | | X | | Lease |
| 1455 | | | | X | X | | X | | X | Defer - Prioritization |
| 1456 | | | | X | X | | X | | | Defer - Prioritization |
| 1457 | | | | X | | | | | X | Defer - Prioritization |
| 1458 | | | | | | | | X | | Lease |
| 1459 | | | | X | | | | | X | Defer - Prioritization |
| 1462 | | | | X | | | | | | Lease |
| 1463 | | | | X | | X | X | | X | Defer - Prioritization |
| 1464 | | | | X | | X | | | X | Defer - Prioritization |
| 1465 | | | | X | | | | | X | Defer - Prioritization |
| 1470 | | | | | | | | X | | Lease |
| 1475 | | | | | | | | X | | Lease |
| 1477 | | | | | | | | X | | Lease |
| 1478 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1479 | | | | | | | | X | | Lease |
| 1480 | | | | | | | | X | | Lease |
| 1481 | | | | | | | | X | | Lease |
| 1483 | | | | | | | | X | | Lease |
| 1484 | | | | | | | | X | | Lease |
| 1485 | | | | | | | | X | | Lease |
| 1486 | | | | | | | | X | | Lease |
| 1488 | | | | | | | | X | | Lease |
| 1489 | | | | | | | | X | | Lease |
| 1490 | | | | | | | | X | | Lease |
| 1491 | | | | X | | | X | | X | Defer - Prioritization |
| 1492 | | | | X | | | X | | X | Defer - Prioritization |
| 1493 | | | | | | | | X | | Lease |
| 1494 | | | | | | | | X | | Lease |
| 1495 | | | | | | | | X | | Lease |
| 1496 | | | | | | | | X | | Lease |
| 1497 | | | | | | | | X | | Lease |
| 1498 | | | | X | X | | | | | Lease |
| 1499 | | | | | X | | | | | Lease |

| | | | | | | | | | | |
|------|--|---|---|---|---|--|---|---|---|---------------------------|
| 1500 | | | | X | | | X | | X | Defer - Prioritization |
| 1501 | | | | | | | | X | | Lease |
| 1502 | | | | | | | | X | | Lease |
| 1503 | | | | | | | | X | | Lease |
| 1504 | | | | | | | | X | | Lease |
| 1505 | | | | | | | | X | | Lease |
| 1506 | | | X | X | X | | | | | Lease |
| 1507 | | | X | X | X | | | | | Lease |
| 1508 | | | X | X | X | | | | | Lease |
| 1509 | | | | | | | | X | | Lease |
| 1510 | | | | | | | | X | | Lease |
| 1511 | | | | | | | X | | X | Defer - Prioritization |
| 1512 | | | | | | | | X | | Lease |
| 1513 | | | | | | | | X | | Lease |
| 1514 | | | | | | | | X | | Lease |
| 1515 | | | | | | | | X | | Lease |
| 1516 | | | | | | | | X | | Lease |
| 1517 | | | | | | | | X | | Lease |
| 1520 | | | | X | X | | | | X | Defer IM 2023-007 |
| 1521 | | | X | X | | | | | X | Defer IM 2023-007 |
| 1522 | | | X | X | X | | | | X | Defer IM 2023-007 |
| 1523 | | | X | X | X | | | | X | Defer IM 2023-007 |
| 1524 | | | | | | | | X | | Lease |
| 1525 | | | | | | | | X | | Lease |
| 1526 | | | X | X | X | | | | | Lease |
| 1527 | | | | | | | | X | | Defer IM 2023-007 |
| 1528 | | | | | | | | X | | Lease |
| 1529 | | | | | | | | X | | Lease |
| 1530 | | | | | | | | X | | Lease |
| 1532 | | | | | | | | X | | Lease |
| 1536 | | | | | | | | X | | Lease |
| 1538 | | | | | | | | X | | Lease |
| 1539 | | X | | X | | | | | X | Defer - Prioritization |
| 1540 | | | | X | | | | | X | Defer - Prioritization |
| 1541 | | | | | | | | X | | Lease |
| 1542 | | | | X | | | | | X | Defer - Prioritization |
| 1543 | | | | | | | | X | | Lease |
| 1544 | | | | | | | | X | | Lease |
| 1545 | | | | | | | | X | | Lease |
| 1548 | | | | | | | | X | | Lease |
| 1549 | | | | X | | | | | | Lease |
| 1551 | | | | | | | | X | | Lease |
| 1552 | | | | X | | | | | | Lease |
| 1554 | | | | | | | | X | | Lease |
| 1557 | | | | | | | | X | | Lease |
| 1558 | | | | X | | | X | | X | Defer - Prioritization |
| 1559 | | | | | | | | X | | Lease |

| | | | | | | | | | | |
|------|--|--|---|---|---|--|---|---|---|---------------------------|
| 1560 | | | | X | | | X | | X | Defer - Prioritization |
| 1561 | | | | | | | | X | | Lease |
| 1562 | | | | | | | | X | | Lease |
| 1563 | | | | | | | | X | | Lease |
| 1564 | | | | | | | | X | | Lease |
| 1565 | | | | | | | | X | | Lease |
| 1567 | | | | | | | | X | | Lease |
| 1568 | | | | | | | | X | | Lease |
| 1569 | | | | | | | | X | | Lease |
| 1570 | | | | | | | | X | | Lease |
| 1571 | | | | | | | | X | | Lease |
| 1573 | | | | | | | | X | | Lease |
| 1575 | | | | | | | | X | | Lease |
| 1576 | | | | | | | | X | | Lease |
| 1577 | | | | | | | | X | | Lease |
| 1578 | | | | | | | | X | | Lease |
| 1579 | | | | | | | | X | | Lease |
| 1580 | | | | | | | | X | | Lease |
| 1581 | | | | | | | | X | | Lease |
| 1599 | | | | | | | | X | | Lease |
| 1731 | | | | | | | | X | | Lease |
| 1772 | | | | | | | | X | | Lease |
| 7221 | | | | | | | | X | | Lease |
| 7223 | | | | | | | | X | | Lease |
| 7224 | | | | X | X | | | | X | Defer IM 2023-007 |
| 7225 | | | X | X | | | | | | Lease |
| 7227 | | | X | X | X | | | | | Lease |
| 7228 | | | | | | | | X | | Lease |
| 7231 | | | | | | | | X | | Lease |
| 7232 | | | | | | | | X | | Lease |
| 7234 | | | | | | | | X | | Lease |
| 7235 | | | | X | | | | | | Lease |
| 7236 | | | | | | | | X | | Lease |
| 7239 | | | | | | | | X | | Lease |
| 7240 | | | | | | | | X | | Lease |
| 7241 | | | | | | | | X | | Lease |
| 7242 | | | | | | | | X | X | Defer - Prioritization |
| 7243 | | | | | | | | X | | Lease |
| 7246 | | | | X | | | | | X | Defer - Prioritization |
| 7247 | | | | X | | | | | | Lease |
| 7248 | | | | | | | | X | | Lease |
| 7249 | | | | | | | | X | | Defer IM 2023-007 |
| 7250 | | | | | | | | X | | Lease |
| 7251 | | | | X | | | | | | Lease |
| 7252 | | | | | | | | X | | Lease |
| 7253 | | | | | | | | X | | Lease |
| 7254 | | | | X | | | | | | Lease |
| 7255 | | | | X | | | | | X | Defer - Prioritization |
| 7257 | | | | | | | | X | | Lease |
| 7258 | | | | | | | | X | | Lease |

| | | | | | | | | | | |
|------|--|--|--|---|--|--|---|--|---|---------------------------|
| 7259 | | | | X | | | X | | X | Defer - Prioritization |
|------|--|--|--|---|--|--|---|--|---|---------------------------|

FO NEPA Review –

The field office staff reviews the potential parcels and recommends; which lands need to be removed from further consideration (e.g. lands unavailable for lease due to RMP decisions); which lands need to be deferred (potential conflicts that may have arisen); and leasing stipulations based on RMP decisions and verifies the correct stipulations are attached with the WGFD. The District Offices send a compiled list back to the WSO. The State Director (SD) and the District Managers (DMs) coordinate and discuss the recommendations and concur on which potential parcels, or portions of parcels move forward for analysis and inclusion into the quarterly CLS environmental assessment (EA). The WSO fluid minerals staff prepares the EA and posts it on the ePlanning website for a 30-day public comment period and then makes changes to the EA, if necessary. The WGFD reviews and comments on the EA at this time as well. A State of Wyoming, WGFD, and BLM Wyoming coordination meeting occurs after the comment period closes. Any major conflicts identified are discussed with the SD and Deputy State Director (DSD) for Lands and Minerals (and other staff if determined necessary by the SD) for a decision on whether to delete, defer or move the parcel forward. The public comments and responses are then posted on ePlanning at the same time the Sale Notice is posted for a 30-day protest period. After the 30-day protest period, the fluid minerals staff reviews the protests and prepares responses. At any point in the review process, parcels or portions of parcels, in addition to those identified through this prioritization process, may be deleted or deferred.

4.3.4 Cumulative Impacts

Due to the uncertainties from a lease development standpoint, it is difficult to predict exactly what impacts may occur. However, impacts from development, such as the anticipated noise, permanent and temporary facilities, and traffic, would be similar to those discussed in the individual field office RMP and the 2015 ARPMA.

To minimize impacts, all parcels offered in this sale include Standard Lease Notice 3 (see Appendix 4.4.1). Standard Lease Notice 3 indicates that an operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater sage-grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to Drill (APD) on-site and environmental review process. In addition, individual lease stipulations if a lek is located within a certain distance (e.g. Timing Limitation Stipulations [TLS]) or if a lek is located within the parcel itself (e.g. CSU or NSO) are attached to specific parcels as appropriate.

There are approximately 15,854,692 acres of PHMA in the State of Wyoming, which is equivalent to the areas identified as Core Areas under the Governor’s Executive Order. The new rights would be subject to timing limitation stipulations (TLS), and no surface occupancy (NSO) stipulations for sage-grouse leks and habitat (as appropriate) within GHMA. Impacts beyond those analyzed in the underlying RMP FEIS’ and the ARMPA FEIS, are not expected due to the continual expiration of existing federal leases whether because they lack production in paying quantities or are never explored. Additional coordination with WGFD will occur for all projects proposed in Greater Sage-Grouse habitats as determined necessary, and in accordance with the BLM-WGFD interagency MOU.

4.4 Big Game

4.4.1 Alternative 1 – No Action Alternative

Under Alternative 1, none of the parcels would be offered and impacts would be similar to those described in each FO RMPs.

4.4.2 Alternative 2 – Proposed Action

Of the parcels evaluated in Alternative 2, twenty two (22) contain approximately 15,166.65 acres of mule deer crucial winter range (CWR). Twenty-seven (27) of the evaluated parcels in Alternative 2, whole or in part, contain pronghorn antelope crucial winter range (approximately 24,490.94 acres). Alternative 2 analyzed an additional thirteen (13) parcels evaluated, whole or in part, which intersect elk crucial winter range (approximately 8,496.97 acres). Three (3) parcels evaluated, whole or in part, intersect elk managed parturition habitat (approximately 2,020.39 acres) under Alternative 2. None of the nominated parcels are within elk feed grounds.

Migration Corridors

Research into the movements of mule deer in large numbers and at seasonal transition times, has resulted in the formal identification of migratory pathways resulting in the identification of State-recognized corridors.

As discussed in the WGFD's UNGULATE MIGRATION CORRIDOR STRATEGY (February 4, 2016): Sawyer and Kauffman (2011) found that approximately 95% of the migratory period is spent foraging at stopover areas. Habitat quality is higher in stopover habitat than in the area between stopover sites. In this study, deer used the same stopover areas between years during all migratory periods. Avoidance of disturbance on and around stopover areas was important to migrating ungulates while disturbance in the areas between stopover areas was tolerated.

Lendrum et al. (2012) and Sawyer et al. (2013) found that given an increase in disturbance, ungulates may modify the timing of migration, constrict the size of the area used for migration and move through areas of increased development faster. Changing the timing of migration or moving from one seasonal range to another faster (e.g., winter range to summer range) results in the loss of synchronization between plant green-up and ungulate movements thereby reducing energy intake (Sawyer and Kauffman 2011). Both Lendrum et al. (2012) and Sawyer et al. (2013) found correlations between disturbance levels and measurable changes in animal response as indicated by their movement rate and locations. Sawyer et al. (2013) found ungulates moved through disturbed areas faster, detoured around disturbance, and reduced their use of stopover areas, thus constricting their migration both temporally and spatially. Importantly, both studies recommended keeping the standard for allowable disturbance within migration corridors below the level of detected impact. (@ page 3:

https://wgfd.wyo.gov/WGFD/media/content/PDF/Habitat/Habitat%20Information/Ungulate-Migration-Corridor-Strategy_Final_020416.pdf, accessed 2/9/19)

This same document (at 4) also noted:

It is also important to understand that migratory behavior can be lost (Bolger et al. 2008, Harris et al. 2009) and loss of the ability to migrate has led to sudden and dramatic declines in animal populations (Bolger et al. 2008). Migration is a learned behavior that may be difficult to reestablish once lost or diminished (Sawyer et al. 2013).

Acting under this strategy, the State of Wyoming has developed new methods for mapping these migration corridors and stopover areas. As a result of these new methods, the first mule deer migration corridor (MDC) designated was the Red Desert to Hoback (RD2H) which occurred on December 5, 2016. The Red Desert to Hoback corridor is the longest mule deer migration route ever recorded in the lower 48 states (WGFD, <https://wgfd.wyo.gov/News/Infrastructure-improvement-made-on-open-range-to-h>, accessed 2/9/2018).

New research data has also been produced as a result of these efforts. This research has provided a finer level of understanding into where migrating mule deer spend the most time (stopovers) during migration, where there are existing barriers or bottlenecks that constrict movement along the corridor. Other research has suggested that the vegetation within the corridors may be extensively used as forage by the herd as they migrate between winter and summer habitats, twice a year.

Other new research suggests that migratory behavior must be learned. The loss of corridor function is known to cause a migratory population to forget their migratory behavior under the most extreme of circumstances, including knowledge of where the main route is in the landscape. Questions remain regarding why corridors are where they are.

During initial coordination with the WGFD and during preparation of this EA, the BLM and WGFD discussed proposed lease sale parcels located in areas with the State of Wyoming-designated mule deer migration corridors. This initial coordination resulted in identification of three (3) parcels that were wholly or partially within the corridors. WGFD also requested a 'Special Lease Notice' be attached to these parcels; BLM has subsequently attached the subject Special Lease Notice to these parcels. The special lease notice can be located on each subject parcel in Appendix 5.1 and the general Special Lease Notice language in Appendix 5.1.1.

The WGFD has several ongoing mule deer collaring studies evaluating areas of seasonal movement. The WGFD has collected mule deer movement data to some degree in each of these areas and are currently working with stakeholders and agency personnel to identify related research and proactive conservation actions that are geared

toward conserving habitats in each of these herd areas. Three mule deer migration corridors have been formally designated within Wyoming (see <https://wgfd.wyo.gov/getattachment/Habitat/Habitat-Protection-Program/Resources-for-Development-Planning/Migration-Corridor-Executive-Order-2020-01.pdf?lang=en-US>)

The WGFD has also identified two research priorities in Wyoming including the Carter Mountain pronghorn herd and the Powder River/Pumpkin Buttes mule deer herds. “The Carter Mountain Pronghorn herd traverses several State Highways in an area locally known as Antelope Alley. Wildlife/vehicle collisions are a concern and managers would like to document fine scale movement patterns and begin working on conservation measures for this pronghorn population. Mule deer in the Powder River/Pumpkin Buttes herds cross Interstate 90. Current knowledge regarding movements for this mule deer herd is based on general field observations and wildlife/vehicle collision data.”

The Sublette pronghorn herd has also been identified for further analysis; the BLM and WGFD continue to fund research into big game behavior as a result of development occurring within the Pinedale and Rawlins field offices. There is no other new information regarding pronghorn or other big game species in the subject field offices.

Information regarding impacts expected from development to big game and big game habitats, including Crucial Winter Range and Migration, can be found in the respective offices RMP. Migration of big game were specific issues raised by the public and addressed in the Pinedale and Rawlins RMP EIS development process. Migration was also a specific consideration in the Green River RMP EIS.

Offering parcels in Mule Deer, Pronghorn or Elk CWR is not expected to result in new impacts beyond those identified in the base RMPs cited above. Development on these parcels could contribute to additional habitat fragmentation, activity, and noise; depending upon the proposal and status of existing development if/where present, and the level of activity. Introduction of weeds, invasive, noxious, or invasive annuals, can result in establishment of populations. These new species or populations can outcompete native vegetation degrading the quality of big game habitat up to decreasing the carrying capacity of the land which can then cause loss of genetic viability if sustained over long periods of time.

Development of parcels located in big game habitats can result in negative impacts. Whether occurring in a movement corridor or in other seasonal habitats, oil and gas related disturbance can result in force wildlife populations to shifting their foraging or reproductive behaviors from utilizing high quality habitat to areas of lower quality, less desirable habitat. Abandonment of important habitat can lower reproduction and survival rates of the species and result in a decline in wildlife populations.” (ARMPA, 4-426) Over utilization can occur as a result, further limiting the productive nature of the land and sustaining the population at hand. The effects can be more pronounced when additional restrictions on access occurs either through fences or other man-made intrusions, other land uses are competing for the same range resources, or when conditions such as drought or other climatic occurrences, affect growth and/or vegetation regeneration rates, including fire (Rawlins RMP 4-455, 4-456).

While multiple, overlapping timing stipulations can provide benefit to wildlife resources by preventing sustained disruptive activity, the Pinedale RMP FEIS, p 4-60 (2006), also notes “[W]hen areas with greater sage-grouse nesting restrictions overlap areas with big game crucial winter range restrictions, the oil and gas operator would potentially be restricted to a 3-and-a-half-month construction, drilling, and well completion season. This short drilling and development window in areas such as the Pinedale Anticline has led to accelerated operations, which results in congested traffic on primary access roads and a potential overload on local service and emergency resources. It also causes a yearly bust-and-boom cycle for the local communities as crews move in during the open development window then leave when the seasonal restrictions are invoked.” This situation can be exacerbated when lease development is further reduced by other seasonal restrictions, including those for raptors.

No parcels were nominated within the Sublette mule deer herd unit. Winter survival, habitat condition and quality on winter ranges, and habitat loss from development (industrial and residential) are the primary issues influencing this herd. In the past ten years this herd has experienced three winters with above average fawn mortality. Gas field development associated with the Pinedale Anticline overlaps crucial winter range located on the Mesa, resulting in less forage available for wintering deer within and adjacent to development. All proposed parcels are located outside of oil and gas field project (EIS) areas.

Five (5) parcels are located wholly or partially within the Wyoming Range HU. These parcels do not contain mule deer CWR. Development, if any, in the parcels is expected to be mostly exploratory. Impacts from development are anticipated but are not expected to continue to be the driving factors affecting the ability of this herd to grow and meet the expectation of the public.

Migration Corridors

There would be minimal impacts to Migration Corridors from the proposed action; impacts from nearby development on Federal and/or non-Federal lands could increase the pace of movement by herds through the corridor depending upon the intensity and timing of nearby operations (see Appendix 5.1). Table 4.14 (below) indicates how many acres of crucial winter range are located within each parcel, along with which parcels are within specific designated migration corridors. BLM would consult with the WGFD during development if any of these parcels are sold and development is proposed.

Table 4.14: Alternative 2 (Proposed Action) Mule Deer Crucial Winter Range and Migration Corridors

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| NE-2023-06-0001 | 40.00 | | | | | Lease |
| WY-2023-06-1326 | 320.00 | | | | | Lease |
| WY-2023-06-1327 | 800.00 | | | | | Lease |
| WY-2023-06-1328 | 320.00 | | | | | Lease |
| WY-2023-06-1329 | 120.00 | | | | | Lease |
| WY-2023-06-1330 | 320.00 | | | | | Lease |
| WY-2023-06-1331 | 1,843.36 | | | | | Lease |
| WY-2023-06-1332 | 470.38 | | | | | Lease |
| WY-2023-06-1333 | 120.00 | | | | | Lease |
| WY-2023-06-1334 | 80.00 | | | | | Lease |
| WY-2023-06-1335 | 119.53 | | | | | Lease |
| WY-2023-06-1336 | 280.19 | | | | | Lease |
| WY-2023-06-1337 | 80.00 | | | | | Lease |
| WY-2023-06-1338 | 40.00 | | | | | Lease |
| WY-2023-06-1339 | 40.00 | | | | | Lease |
| WY-2023-06-1340 | 240.00 | | | | | Lease |
| WY-2023-06-1341 | 160.00 | | | | | Lease |
| WY-2023-06-1342 | 231.78 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1343 | 36.12 | | | | | Lease |
| WY-2023-06-1344 | 440.00 | | | | | Lease |
| WY-2023-06-1345 | 120.00 | | | | | Lease |
| WY-2023-06-1346 | 880.00 | | | | | Lease |
| WY-2023-06-1347 | 2,084.65 | | | | | Lease |
| WY-2023-06-1348 | 600.52 | | | | | Lease |
| WY-2023-06-1349 | 120.00 | | | | | Lease |
| WY-2023-06-1350 | 480.00 | | | | | Lease |
| WY-2023-06-1351 | 2,155.84 | | | | | Lease |
| WY-2023-06-1352 | 1,280.00 | | | | | Lease |
| WY-2023-06-1353 | 1,280.00 | | | | | Lease |
| WY-2023-06-1354 | 216.12 | | | | | Lease |
| WY-2023-06-1355 | 120.00 | | | | | Lease |
| WY-2023-06-1356 | 40.48 | | | | | Lease |
| WY-2023-06-1357 | 453.71 | | | | | Lease |
| WY-2023-06-1358 | 754.49 | | | | | Lease |
| WY-2023-06-1359 | 1,520.88 | 1,090.35 | | | | Lease |
| WY-2023-06-1361 | 0.30 | | | | | Lease |
| WY-2023-06-1362 | 40.00 | | | | | Lease |
| WY-2023-06-1363 | 320.47 | | | | | Lease |
| WY-2023-06-1364 | 1,359.91 | | | | | Lease |
| WY-2023-06-1365 | 318.80 | | | | | Lease |
| WY-2023-06-1399 | 2,080.00 | | | | | Lease |
| WY-2023-06-1400 | 40.00 | | | | | Lease |
| WY-2023-06-1401 | 118.80 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1402 | 2,440.00 | | | | | Lease |
| WY-2023-06-1404 | 2,240.00 | | | | | Lease |
| WY-2023-06-1405 | 640.00 | | | | | Lease |
| WY-2023-06-1407 | 1,275.96 | | | | | Lease |
| WY-2023-06-1408 | 1,676.62 | | | | | Lease |
| WY-2023-06-1410 | 2,201.55 | | | | | Lease |
| WY-2023-06-1411 | 1,163.63 | | | | | Lease |
| WY-2023-06-1412 | 80.00 | | | | | Lease |
| WY-2023-06-1413 | 320.00 | | | | | Lease |
| WY-2023-06-1414 | 1,080.20 | | | | | Lease |
| WY-2023-06-1415 | 1,360.00 | | | | | Lease |
| WY-2023-06-1419 | 1,920.84 | | | | | Lease |
| WY-2023-06-1421 | 760.00 | | | | | Lease |
| WY-2023-06-1422 | 2,478.32 | | | | | Lease |
| WY-2023-06-1425 | 2,560.00 | | | | | Lease |
| WY-2023-06-1426 | 2,520.00 | | | | | Lease |
| WY-2023-06-1429 | 1,915.32 | | | | | Lease |
| WY-2023-06-1430 | 2,320.00 | | | | | Lease |
| WY-2023-06-1431 | 1,946.32 | | | | | Lease |
| WY-2023-06-1434 | 2,081.76 | | | | | Lease |
| WY-2023-06-1436 | 2,320.00 | | | | | Lease |
| WY-2023-06-1437 | 623.75 | | | | | Lease |
| WY-2023-06-1438 | 1,119.59 | | | | | Lease |
| WY-2023-06-1439 | 1,718.05 | | | | | Lease |
| WY-2023-06-1440 | 2,360.00 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1441 | 1,923.90 | | | | | Lease |
| WY-2023-06-1443 | 1,254.78 | | | | | Lease |
| WY-2023-06-1444 | 1,924.84 | | | | | Lease |
| WY-2023-06-1446 | 1,909.68 | | | | | Lease |
| WY-2023-06-1447 | 1,600.00 | | | | | Lease |
| WY-2023-06-1448 | 2,523.00 | | | | | Lease |
| WY-2023-06-1449 | 962.73 | | | | | Lease |
| WY-2023-06-1451 | 1,280.00 | 647.96 | | | | Lease |
| WY-2023-06-1452 | 2,359.84 | | | | | Lease |
| WY-2023-06-1453 | 2,560.00 | 586.81 | | | | Lease |
| WY-2023-06-1454 | 2,096.26 | | | | | Lease |
| WY-2023-06-1455 | 1,280.00 | | | | | Lease |
| WY-2023-06-1456 | 1,571.41 | | | | | Lease |
| WY-2023-06-1457 | 2,560.00 | | | | | Lease |
| WY-2023-06-1458 | 668.54 | | | | | Lease |
| WY-2023-06-1459 | 2,539.84 | | | | | Lease |
| WY-2023-06-1462 | 80.00 | | | | | Lease |
| WY-2023-06-1463 | 480.00 | | | | | Lease |
| WY-2023-06-1464 | 264.20 | | | | | Lease |
| WY-2023-06-1465 | 1,652.25 | | | | | Lease |
| WY-2023-06-1470 | 942.25 | | | | | Lease |
| WY-2023-06-1475 | 1,800.00 | | | | | Lease |
| WY-2023-06-1477 | 1,612.64 | | | | | Lease |
| WY-2023-06-1478 | 2,442.67 | | | | | Lease |
| WY-2023-06-1479 | 2,119.42 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1480 | 40.49 | | | | | Lease |
| WY-2023-06-1481 | 39.78 | | | | | Lease |
| WY-2023-06-1483 | 259.45 | | | | | Lease |
| WY-2023-06-1484 | 600.02 | | | | | Lease |
| WY-2023-06-1485 | 1,120.00 | 86.68 | | | | Lease |
| WY-2023-06-1486 | 2,240.00 | | | | | Lease |
| WY-2023-06-1488 | 640.00 | | | | | Lease |
| WY-2023-06-1489 | 640.00 | | | | | Lease |
| WY-2023-06-1490 | 111.86 | 94.29 | | | | Lease |
| WY-2023-06-1491 | 2,554.80 | 1,907.86 | | | | Lease |
| WY-2023-06-1492 | 1,920.00 | 1,794.79 | | | | Lease |
| WY-2023-06-1493 | 120.00 | | | | | Lease |
| WY-2023-06-1494 | 120.00 | | | | | Lease |
| WY-2023-06-1495 | 1,120.00 | | | | | Lease |
| WY-2023-06-1496 | 527.52 | 513.64 | | | | Lease |
| WY-2023-06-1497 | 480.00 | | | | | Lease |
| WY-2023-06-1498 | 400.00 | 1.97 | | | | Lease |
| WY-2023-06-1499 | 480.00 | | | | | Lease |
| WY-2023-06-1500 | 2,075.30 | | | | | Lease |
| WY-2023-06-1501 | 1,591.35 | 1,594.19 | Baggs | 457.38 | 45.00 | Lease |
| WY-2023-06-1502 | 118.07 | | | | | Lease |
| WY-2023-06-1503 | 1,616.76 | 123.75 | | | | Lease |
| WY-2023-06-1504 | 104.87 | | | | | Lease |
| WY-2023-06-1505 | 79.85 | | | | | Lease |
| WY-2023-06-1506 | 2,554.58 | | Baggs | 1,280.42 | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1507 | 2,360.00 | | Baggs | 878.15 | | Lease |
| WY-2023-06-1508 | 1,920.00 | | | | | Lease |
| WY-2023-06-1509 | 640.00 | | | | | Lease |
| WY-2023-06-1510 | 733.74 | 644.28 | | | | Lease |
| WY-2023-06-1511 | 552.56 | | | | | Lease |
| WY-2023-06-1512 | 1,891.67 | | | | | Lease |
| WY-2023-06-1513 | 1,680.00 | | | | | Lease |
| WY-2023-06-1514 | 1,997.36 | | | | | Lease |
| WY-2023-06-1515 | 1,840.27 | | | | | Lease |
| WY-2023-06-1516 | 1,280.00 | 1,280.42 | Baggs | | 1,133.52 | Lease |
| WY-2023-06-1517 | 1,369.36 | 1,292.09 | Baggs | | 1.21 | Lease |
| WY-2023-06-1520 | 2,133.14 | | | | | Lease |
| WY-2023-06-1521 | 2,138.82 | | | | | Lease |
| WY-2023-06-1522 | 1,817.44 | | | | | Lease |
| WY-2023-06-1523 | 1,573.03 | | | | | Lease |
| WY-2023-06-1524 | 1,237.42 | | | | | Lease |
| WY-2023-06-1525 | 789.18 | | | | | Lease |
| WY-2023-06-1526 | 1,320.24 | | | | | Lease |
| WY-2023-06-1527 | 360.00 | | | | | Lease |
| WY-2023-06-1528 | 2,132.80 | 192.34 | | | | Lease |
| WY-2023-06-1529 | 722.64 | | | | | Lease |
| WY-2023-06-1530 | 160.00 | | | | | Lease |
| WY-2023-06-1532 | 305.24 | | | | | Lease |
| WY-2023-06-1536 | 800.00 | | | | | Lease |
| WY-2023-06-1538 | 1,608.52 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1539 | 1,040.00 | | | | | Lease |
| WY-2023-06-1540 | 640.00 | | | | | Lease |
| WY-2023-06-1541 | 200.00 | | | | | Lease |
| WY-2023-06-1542 | 1,591.18 | | | | | Lease |
| WY-2023-06-1543 | 920.00 | | | | | Lease |
| WY-2023-06-1544 | 40.70 | | | | | Lease |
| WY-2023-06-1545 | 1,752.12 | | | | | Lease |
| WY-2023-06-1548 | 120.00 | | | | | Lease |
| WY-2023-06-1549 | 240.00 | | | | | Lease |
| WY-2023-06-1551 | 2,037.99 | | | | | Lease |
| WY-2023-06-1552 | 949.44 | | | | | Lease |
| WY-2023-06-1554 | 1,123.36 | | | | | Lease |
| WY-2023-06-1557 | 2,559.24 | | | | | Lease |
| WY-2023-06-1558 | 1,921.28 | 64.37 | | | | Lease |
| WY-2023-06-1559 | 680.00 | | | | | Lease |
| WY-2023-06-1560 | 2,233.36 | 222.40 | | | | Lease |
| WY-2023-06-1561 | 1,278.88 | 499.36 | | | | Lease |
| WY-2023-06-1562 | 40.00 | | | | | Lease |
| WY-2023-06-1563 | 2,041.61 | | | | | Lease |
| WY-2023-06-1564 | 963.59 | | | | | Lease |
| WY-2023-06-1565 | 1,680.00 | | | | | Lease |
| WY-2023-06-1567 | 156.46 | | | | | Lease |
| WY-2023-06-1568 | 323.82 | | | | | Lease |
| WY-2023-06-1569 | 165.51 | | | | | Lease |
| WY-2023-06-1570 | 800.86 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1571 | 480.00 | 477.54 | | | | Lease |
| WY-2023-06-1573 | 2,501.79 | | | | | Lease |
| WY-2023-06-1575 | 2,073.26 | | | | | Lease |
| WY-2023-06-1576 | 1,438.38 | | | | | Lease |
| WY-2023-06-1577 | 2,557.16 | | | | | Lease |
| WY-2023-06-1578 | 2,212.62 | | | | | Lease |
| WY-2023-06-1579 | 2,207.76 | | | | | Lease |
| WY-2023-06-1580 | 1,501.20 | | | | | Lease |
| WY-2023-06-1581 | 318.03 | | | | | Lease |
| WY-2023-06-1599 | 40.00 | | | | | Lease |
| WY-2023-06-1731 | 424.26 | | | | | Lease |
| WY-2023-06-1772 | 40.00 | | | | | Lease |
| WY-2023-06-7221 | 320.00 | | | | | Lease |
| WY-2023-06-7223 | 2,520.77 | | | | | Lease |
| WY-2023-06-7224 | 1,960.95 | | | | | Lease |
| WY-2023-06-7225 | 2,245.04 | | | | | Lease |
| WY-2023-06-7227 | 1,920.00 | | | | | Lease |
| WY-2023-06-7228 | 2,520.00 | | | | | Lease |
| WY-2023-06-7231 | 1,880.00 | | | | | Lease |
| WY-2023-06-7232 | 2,520.00 | | | | | Lease |
| WY-2023-06-7234 | 1,931.49 | | | | | Lease |
| WY-2023-06-7235 | 1,240.00 | | | | | Lease |
| WY-2023-06-7236 | 2,560.00 | | | | | Lease |
| WY-2023-06-7239 | 631.24 | | | | | Lease |
| WY-2023-06-7240 | 1,799.14 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-7241 | 1,520.00 | | | | | Lease |
| WY-2023-06-7242 | 2,534.36 | 1,286.73 | | | | Lease |
| WY-2023-06-7243 | 1,900.96 | 750.46 | | | | Lease |
| WY-2023-06-7246 | 1,360.00 | | | | | Lease |
| WY-2023-06-7247 | 1,600.01 | | | | | Lease |
| WY-2023-06-7248 | 2,249.08 | | | | | Lease |
| WY-2023-06-7249 | 547.04 | | | | | Lease |
| WY-2023-06-7250 | 2,330.52 | | | | | Lease |
| WY-2023-06-7251 | 2,000.00 | | | | | Lease |
| WY-2023-06-7252 | 840.00 | | | | | Lease |
| WY-2023-06-7253 | 880.00 | | | | | Lease |
| WY-2023-06-7254 | 2,036.45 | | | | | Lease |
| WY-2023-06-7255 | 2,361.90 | | | | | Lease |
| WY-2023-06-7257 | 1,240.00 | | | | | Lease |
| WY-2023-06-7258 | 1,169.13 | | | | | Lease |
| WY-2023-06-7259 | 2,240.00 | 14.37 | | | | Lease |

4.4.3 Alternative 3 – Modified Proposed Action

Of the parcels evaluated in Alternative 3, fifteen (15) parcels containing approximately 9,485.70 acres of mule deer crucial winter range. Attachment 6.1 shows the locations of nominated parcels in respect to CWR.

Eighteen (18) parcels, whole or in part, contain pronghorn antelope crucial winter range containing approximately 11,878.27 acres would be offered for sale. Alternative 3 analyzed an additional twelve (12) parcels evaluated, whole or in part, which intersect elk crucial winter range (approximately 6,249.62 acres). Three (3) parcels evaluated, whole or in part, intersect elk managed parturition habitat (approximately 2,020.39 acres) under Alternative 3, which are the same as in Alternative 2. None of the nominated parcels are within elk feed grounds.

When looking at Alternative 3 (Modified Proposed Action) there are fewer mule deer crucial winter range acres proposed and fewer parcels within designated corridors (Table 4.15). Reducing the amount of acres proposed in each of these habitat types would help minimize impacts to mule deer. Other impacts would be similar to those described under Alternative 2 and each FO RMP. Impacts include but are not limited to; introduction of weeds, loss of habitat and avoidance of the area due to vehicle traffic and noise.

Table 4.15: Alternative 3 (Modified Proposed Action) Mule Deer Crucial Winter Range and Migration Corridors

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| NE-2023-06-0001 | 40.00 | | | | | Defer |
| WY-2023-06-1326 | 320.00 | | | | | Lease |
| WY-2023-06-1327 | 800.00 | | | | | Lease |
| WY-2023-06-1328 | 320.00 | | | | | Lease |
| WY-2023-06-1329 | 120.00 | | | | | Lease |
| WY-2023-06-1330 | 320.00 | | | | | Lease |
| WY-2023-06-1331 | 1,843.36 | | | | | Lease |
| WY-2023-06-1332 | 470.38 | | | | | Lease |
| WY-2023-06-1333 | 120.00 | | | | | Lease |
| WY-2023-06-1334 | 80.00 | | | | | Lease |
| WY-2023-06-1335 | 119.53 | | | | | Defer PHMA |
| WY-2023-06-1336 | 280.19 | | | | | Defer PHMA |
| WY-2023-06-1337 | 80.00 | | | | | Lease |
| WY-2023-06-1338 | 40.00 | | | | | Lease |
| WY-2023-06-1339 | 40.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1340 | 240.00 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1341 | 160.00 | | | | | Lease |
| WY-2023-06-1342 | 231.78 | | | | | Lease |
| WY-2023-06-1343 | 36.12 | | | | | Lease |
| WY-2023-06-1344 | 440.00 | | | | | Lease |
| WY-2023-06-1345 | 120.00 | | | | | Lease |
| WY-2023-06-1346 | 880.00 | | | | | Lease |
| WY-2023-06-1347 | 2,084.65 | | | | | Lease |
| WY-2023-06-1348 | 600.52 | | | | | Lease |
| WY-2023-06-1349 | 120.00 | | | | | Defer PHMA |
| WY-2023-06-1350 | 480.00 | | | | | Lease |
| WY-2023-06-1351 | 2,155.84 | | | | | Lease |
| WY-2023-06-1352 | 1,280.00 | | | | | Lease |
| WY-2023-06-1353 | 1,280.00 | | | | | Lease |
| WY-2023-06-1354 | 216.12 | | | | | Defer PHMA |
| WY-2023-06-1355 | 120.00 | | | | | Lease |
| WY-2023-06-1356 | 40.48 | | | | | Lease |
| WY-2023-06-1357 | 453.71 | | | | | Lease |
| WY-2023-06-1358 | 754.49 | | | | | Lease |
| WY-2023-06-1359 | 1,520.88 | 1,090.35 | | | | Defer PHMA |
| WY-2023-06-1361 | 0.30 | | | | | Lease |
| WY-2023-06-1362 | 40.00 | | | | | Lease |
| WY-2023-06-1363 | 320.47 | | | | | Lease |
| WY-2023-06-1364 | 1,359.91 | | | | | Lease |
| WY-2023-06-1365 | 318.80 | | | | | Lease |
| WY-2023-06-1399 | 2,080.00 | | | | | Defer PHMA |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-1400 | 40.00 | | | | | Lease |
| WY-2023-06-1401 | 118.80 | | | | | Lease |
| WY-2023-06-1402 | 2,440.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1404 | 2,240.00 | | | | | Lease |
| WY-2023-06-1405 | 640.00 | | | | | Lease |
| WY-2023-06-1407 | 1,275.96 | | | | | Lease |
| WY-2023-06-1408 | 1,676.62 | | | | | Lease |
| WY-2023-06-1410 | 2,201.55 | | | | | Lease |
| WY-2023-06-1411 | 1,163.63 | | | | | Defer IM 2023-007 |
| WY-2023-06-1412 | 80.00 | | | | | Lease |
| WY-2023-06-1413 | 320.00 | | | | | Lease |
| WY-2023-06-1414 | 1,080.20 | | | | | Defer PHMA |
| WY-2023-06-1415 | 1,360.00 | | | | | Lease |
| WY-2023-06-1419 | 1,920.84 | | | | | Defer IM 2023-007 |
| WY-2023-06-1421 | 760.00 | | | | | Lease |
| WY-2023-06-1422 | 2,478.32 | | | | | Defer IM 2023-007 |
| WY-2023-06-1425 | 2,560.00 | | | | | Lease |
| WY-2023-06-1426 | 2,520.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1429 | 1,915.32 | | | | | Defer PHMA |
| WY-2023-06-1430 | 2,320.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1431 | 1,946.32 | | | | | Lease |
| WY-2023-06-1434 | 2,081.76 | | | | | Defer IM 2023-007 |
| WY-2023-06-1436 | 2,320.00 | | | | | Lease |
| WY-2023-06-1437 | 623.75 | | | | | Lease |
| WY-2023-06-1438 | 1,119.59 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-1439 | 1,718.05 | | | | | Defer PHMA |
| WY-2023-06-1440 | 2,360.00 | | | | | Lease |
| WY-2023-06-1441 | 1,923.90 | | | | | Lease |
| WY-2023-06-1443 | 1,254.78 | | | | | Lease |
| WY-2023-06-1444 | 1,924.84 | | | | | Defer IM 2023-007 |
| WY-2023-06-1446 | 1,909.68 | | | | | Defer PHMA |
| WY-2023-06-1447 | 1,600.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1448 | 2,523.00 | | | | | Defer PHMA |
| WY-2023-06-1449 | 962.73 | | | | | Lease |
| WY-2023-06-1451 | 1,280.00 | 647.96 | | | | Lease |
| WY-2023-06-1452 | 2,359.84 | | | | | Lease |
| WY-2023-06-1453 | 2,560.00 | 586.81 | | | | Defer PHMA |
| WY-2023-06-1454 | 2,096.26 | | | | | Lease |
| WY-2023-06-1455 | 1,280.00 | | | | | Defer PHMA |
| WY-2023-06-1456 | 1,571.41 | | | | | Defer PHMA |
| WY-2023-06-1457 | 2,560.00 | | | | | Defer PHMA |
| WY-2023-06-1458 | 668.54 | | | | | Lease |
| WY-2023-06-1459 | 2,539.84 | | | | | Defer PHMA |
| WY-2023-06-1462 | 80.00 | | | | | Lease |
| WY-2023-06-1463 | 480.00 | | | | | Defer PHMA |
| WY-2023-06-1464 | 264.20 | | | | | Defer PHMA |
| WY-2023-06-1465 | 1,652.25 | | | | | Defer PHMA |
| WY-2023-06-1470 | 942.25 | | | | | Lease |
| WY-2023-06-1475 | 1,800.00 | | | | | Lease |
| WY-2023-06-1477 | 1,612.64 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-1478 | 2,442.67 | | | | | Defer IM 2023-007 |
| WY-2023-06-1479 | 2,119.42 | | | | | Lease |
| WY-2023-06-1480 | 40.49 | | | | | Lease |
| WY-2023-06-1481 | 39.78 | | | | | Lease |
| WY-2023-06-1483 | 259.45 | | | | | Lease |
| WY-2023-06-1484 | 600.02 | | | | | Lease |
| WY-2023-06-1485 | 1,120.00 | 86.68 | | | | Lease |
| WY-2023-06-1486 | 2,240.00 | | | | | Lease |
| WY-2023-06-1488 | 640.00 | | | | | Lease |
| WY-2023-06-1489 | 640.00 | | | | | Lease |
| WY-2023-06-1490 | 111.86 | 94.29 | | | | Lease |
| WY-2023-06-1491 | 2,554.80 | 1,907.86 | | | | Defer PHMA |
| WY-2023-06-1492 | 1,920.00 | 1,794.79 | | | | Defer PHMA |
| WY-2023-06-1493 | 120.00 | | | | | Lease |
| WY-2023-06-1494 | 120.00 | | | | | Lease |
| WY-2023-06-1495 | 1,120.00 | | | | | Lease |
| WY-2023-06-1496 | 527.52 | 513.64 | | | | Lease |
| WY-2023-06-1497 | 480.00 | | | | | Lease |
| WY-2023-06-1498 | 400.00 | 1.97 | | | | Lease |
| WY-2023-06-1499 | 480.00 | | | | | Lease |
| WY-2023-06-1500 | 2,075.30 | | | | | Defer PHMA |
| WY-2023-06-1501 | 1,591.35 | 1,594.19 | Baggs | 457.38 | 45.00 | Lease |
| WY-2023-06-1502 | 118.07 | | | | | Lease |
| WY-2023-06-1503 | 1,616.76 | 123.75 | | | | Lease |
| WY-2023-06-1504 | 104.87 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-1505 | 79.85 | | | | | Lease |
| WY-2023-06-1506 | 2,554.58 | | Baggs | 1,280.42 | | Lease |
| WY-2023-06-1507 | 2,360.00 | | Baggs | 878.15 | | Lease |
| WY-2023-06-1508 | 1,920.00 | | | | | Lease |
| WY-2023-06-1509 | 640.00 | | | | | Lease |
| WY-2023-06-1510 | 733.74 | 644.28 | | | | Lease |
| WY-2023-06-1511 | 552.56 | | | | | Defer PHMA |
| WY-2023-06-1512 | 1,891.67 | | | | | Lease |
| WY-2023-06-1513 | 1,680.00 | | | | | Lease |
| WY-2023-06-1514 | 1,997.36 | | | | | Lease |
| WY-2023-06-1515 | 1,840.27 | | | | | Lease |
| WY-2023-06-1516 | 1,280.00 | 1,280.42 | Baggs | | 1,133.52 | Lease |
| WY-2023-06-1517 | 1,369.36 | 1,292.09 | Baggs | | 1.21 | Lease |
| WY-2023-06-1520 | 2,133.14 | | | | | Defer IM 2023-007 |
| WY-2023-06-1521 | 2,138.82 | | | | | Defer IM 2023-007 |
| WY-2023-06-1522 | 1,817.44 | | | | | Defer IM 2023-007 |
| WY-2023-06-1523 | 1,573.03 | | | | | Defer IM 2023-007 |
| WY-2023-06-1524 | 1,237.42 | | | | | Lease |
| WY-2023-06-1525 | 789.18 | | | | | Lease |
| WY-2023-06-1526 | 1,320.24 | | | | | Lease |
| WY-2023-06-1527 | 360.00 | | | | | Defer IM 2023-007 |
| WY-2023-06-1528 | 2,132.80 | 192.34 | | | | Lease |
| WY-2023-06-1529 | 722.64 | | | | | Lease |
| WY-2023-06-1530 | 160.00 | | | | | Lease |
| WY-2023-06-1532 | 305.24 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|----------------|
| WY-2023-06-1536 | 800.00 | | | | | Lease |
| WY-2023-06-1538 | 1,608.52 | | | | | Lease |
| WY-2023-06-1539 | 1,040.00 | | | | | Defer PHMA |
| WY-2023-06-1540 | 640.00 | | | | | Defer PHMA |
| WY-2023-06-1541 | 200.00 | | | | | Lease |
| WY-2023-06-1542 | 1,591.18 | | | | | Defer PHMA |
| WY-2023-06-1543 | 920.00 | | | | | Lease |
| WY-2023-06-1544 | 40.70 | | | | | Lease |
| WY-2023-06-1545 | 1,752.12 | | | | | Lease |
| WY-2023-06-1548 | 120.00 | | | | | Lease |
| WY-2023-06-1549 | 240.00 | | | | | Lease |
| WY-2023-06-1551 | 2,037.99 | | | | | Lease |
| WY-2023-06-1552 | 949.44 | | | | | Lease |
| WY-2023-06-1554 | 1,123.36 | | | | | Lease |
| WY-2023-06-1557 | 2,559.24 | | | | | Lease |
| WY-2023-06-1558 | 1,921.28 | 64.37 | | | | Defer PHMA |
| WY-2023-06-1559 | 680.00 | | | | | Lease |
| WY-2023-06-1560 | 2,233.36 | 222.40 | | | | Defer PHMA |
| WY-2023-06-1561 | 1,278.88 | 499.36 | | | | Lease |
| WY-2023-06-1562 | 40.00 | | | | | Lease |
| WY-2023-06-1563 | 2,041.61 | | | | | Lease |
| WY-2023-06-1564 | 963.59 | | | | | Lease |
| WY-2023-06-1565 | 1,680.00 | | | | | Lease |
| WY-2023-06-1567 | 156.46 | | | | | Lease |
| WY-2023-06-1568 | 323.82 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-1569 | 165.51 | | | | | Lease |
| WY-2023-06-1570 | 800.86 | | | | | Lease |
| WY-2023-06-1571 | 480.00 | 477.54 | | | | Lease |
| WY-2023-06-1573 | 2,501.79 | | | | | Lease |
| WY-2023-06-1575 | 2,073.26 | | | | | Lease |
| WY-2023-06-1576 | 1,438.38 | | | | | Lease |
| WY-2023-06-1577 | 2,557.16 | | | | | Lease |
| WY-2023-06-1578 | 2,212.62 | | | | | Lease |
| WY-2023-06-1579 | 2,207.76 | | | | | Lease |
| WY-2023-06-1580 | 1,501.20 | | | | | Lease |
| WY-2023-06-1581 | 318.03 | | | | | Lease |
| WY-2023-06-1599 | 40.00 | | | | | Lease |
| WY-2023-06-1731 | 424.26 | | | | | Lease |
| WY-2023-06-1772 | 40.00 | | | | | Lease |
| WY-2023-06-7221 | 320.00 | | | | | Lease |
| WY-2023-06-7223 | 2,520.77 | | | | | Lease |
| WY-2023-06-7224 | 1,960.95 | | | | | Defer IM 2023-007 |
| WY-2023-06-7225 | 2,245.04 | | | | | Lease |
| WY-2023-06-7227 | 1,920.00 | | | | | Lease |
| WY-2023-06-7228 | 2,520.00 | | | | | Lease |
| WY-2023-06-7231 | 1,880.00 | | | | | Lease |
| WY-2023-06-7232 | 2,520.00 | | | | | Lease |
| WY-2023-06-7234 | 1,931.49 | | | | | Lease |
| WY-2023-06-7235 | 1,240.00 | | | | | Lease |
| WY-2023-06-7236 | 2,560.00 | | | | | Lease |

| Parcel Number | Acres | CWR Acres | Migration Corridor | Migration (High Use Acres) | Migration (Stopover Acres) | Recommendation |
|-----------------|----------|-----------|--------------------|----------------------------|----------------------------|-------------------|
| WY-2023-06-7239 | 631.24 | | | | | Lease |
| WY-2023-06-7240 | 1,799.14 | | | | | Lease |
| WY-2023-06-7241 | 1,520.00 | | | | | Lease |
| WY-2023-06-7242 | 2,534.36 | 1,286.73 | | | | Defer PHMA |
| WY-2023-06-7243 | 1,900.96 | 750.46 | | | | Lease |
| WY-2023-06-7246 | 1,360.00 | | | | | Defer PHMA |
| WY-2023-06-7247 | 1,600.01 | | | | | Lease |
| WY-2023-06-7248 | 2,249.08 | | | | | Lease |
| WY-2023-06-7249 | 547.04 | | | | | Defer IM 2023-007 |
| WY-2023-06-7250 | 2,330.52 | | | | | Lease |
| WY-2023-06-7251 | 2,000.00 | | | | | Lease |
| WY-2023-06-7252 | 840.00 | | | | | Lease |
| WY-2023-06-7253 | 880.00 | | | | | Lease |
| WY-2023-06-7254 | 2,036.45 | | | | | Lease |
| WY-2023-06-7255 | 2,361.90 | | | | | Defer PHMA |
| WY-2023-06-7257 | 1,240.00 | | | | | Lease |
| WY-2023-06-7258 | 1,169.13 | | | | | Lease |
| WY-2023-06-7259 | 2,240.00 | 14.37 | | | | Defer PHMA |

4.4.4 Cumulative Impacts

Whether occurring in a corridor or in other seasonal habitats, disturbance associated with oil and gas development can result in wildlife moving from high quality habitat to areas of lower quality, less desirable habitat. Abandonment of important habitat can lower reproduction and survival rates of the species and result in a decline in wildlife populations.” (ARMPA, pg. 4-426)

The intensity of development and resultant impacts will be considered in combination with the context of the proposed action at the time development is proposed.

There are over 16.6 million acres of big game crucial winter range (CWR) in the State of Wyoming. Of this amount, approximately 6,335,000 acres is Mule Deer CWR, 5,973,000 acres is Antelope CWR, and 4,361,359 acres is Elk CWR.

Offering 15,166.65 acres of mule deer CWR, 24,490.94 acres of pronghorn CWR, and 8,496.97 acres of Elk CWR is not expected to result in impacts not already considered in BLM's RMPs or programmatic EIS'.

Oil and gas development causes surface disturbance through construction of well pads, roads, pipelines, and other facilities. Reclamation and mitigation efforts would reduce impacts on wildlife habitat and fisheries; however, construction and maintenance of roads and well pads and the presence of humans would result in long-term or permanent impacts. Overall impacts would likely be greater where mineral development is more intense, in areas where development overlaps with crucial and winter wildlife ranges, and on state and private lands because of the lack of protections afforded to natural resources in these areas. If development expands, the ability of big game and other wildlife species to disperse into alternate habitats, they could become limited. This may create isolated populations in areas where habitats remain intact. The degree of impact would depend on the timing of development activities and whether the amount of activity outpaces the successful reclamation and revegetation efforts in disturbed areas. Because of this pace of development (whether federal mineral, commercial, or private residence), more pressure would be put on habitats outside of the development (likely private lands) as wildlife is displaced from the disturbances.

It is well known that CWR is important to the viability of big game. Persistent disturbance in sensitive habitats would shift the areas of use and weaken the tendency of the animals to return to the disturbed area. If animals don't return to disturbed habitat, populations could be lower as herds and individuals to move into naïve and unpredictable habitats that may not support the increased use by local and newly arrived, displaced populations. Mineral development activities would likely cause displacement of animals and selection of alternative habitats and would likely inhibit big game movement between winter ranges and birthing areas. The displacement of big game, and specifically mule deer, from high-use to low use areas has the potential to influence survival and reproduction (Sawyer et al. 2006). Should migration be disrupted and key habitats highly degraded over a short period of time, it is likely that negative effects (both in the short-term and potentially in the long-term) from displacement of big game from these habitats would occur.

As considered in the RMPs (ARMPA FEIS pg. 4-466 - 4-467, BFO FEIS pg. 2489) the Converse County project is complete within the HPD. Cumulative impacts to resources are evaluated within these documents.

Where parcels are not located within approved project area EIS boundaries, and even to a certain extent those that are, as more reservoir data is gathered through exploratory drilling, the likelihood for sustained economic production should increase, and a decrease in dry-holes should occur consistent with other types of field development. BLM is unaware of any new concentrated field developments beyond what is currently proposed and undergoing review. See ARMPA FEIS pg. 4-509 - 4-579, the Buffalo RMP FEIS pg. 871, 1167 and 1660-1665, Bighorn RMP FEIS pg. 4-642 - 4-674, and Lander RMP FEIS pg. 1276-1332 for more information on what activity was considered in the RMP cumulative impacts analysis.

In particular, in its analysis of impacts of impacts from oil and gas development, the ARMPA at page 4-508, concludes:

Loss of vegetation from development activities would degrade habitat and increase forage competition among grazing animals. Livestock grazing practices would further increase cumulative impacts through direct competition for forage, water, and space, and by limiting the ability to manage vegetation for fish and wildlife needs. These impacts would also reduce the capability to maintain current population objectives.

Oil and gas development would cause the greatest amount of surface disturbance through construction of well pads, roads, pipelines, and other facilities. Reclamation and mitigation efforts would reduce impacts on wildlife habitat and fisheries; however, construction and maintenance of roads and well pads and the presence of humans would result in long-term or permanent impacts. Cumulative impacts would likely be greater where mineral development is more intense, in areas where development overlaps with crucial and winter wildlife ranges, and on state and private lands because of the lack of protections afforded to natural resources in these areas. Protection of non-federally listed species on private and state lands may not occur, resulting in potentially significant impacts on these species. As development expands throughout southwestern Wyoming, the ability of big game species to disperse into habitats outside of the planning

area may become limited. This may create isolated populations in areas where habitats remain intact. The degree of impact would depend on the timing of development activities and whether the amount of activity outpaces the successful reclamation and revegetation efforts in disturbed areas. Because of this pace of development (whether federal mineral, commercial, or private residence), more pressure would be put on habitats outside of the development (likely private lands) as wildlife is displaced from the disturbances.

Impacts on wildlife would likely occur under all alternatives because of the loss of habitat. The success of disturbed land reclamation, both short- and long-term, would determine the duration of impacts. Given the constancy of all other stressors, the potential for cumulative impacts would be greatest under Alternative A because of anticipated increases in development and fewer restrictions on such activity on public lands.

There are no pending APD actions for any of the proposed parcels. Potentially significant impacts to migration and big game habitats were forecast to occur as a result of development in the approved project areas. These parcels would contribute and potentially expand the environmental effects. Within the Green River RMP FEIS (at 462) impact analysis indicates that “the capability of habitat to meet herd unit objective levels would likely be significantly affected” in the Sublette HU. Development of parcels in combination with other existing and/or future development could contribute to these significant impacts.

Where parcels are located outside of approved project areas, and if they are developed, an increase in exploratory activity could occur if conditions are favorable. Due to the scattered nature of the parcels, this activity could occur where there is little to no development currently. Due to the fractured nature of the fluid mineral estate in the HPD and in SE WY, most development is being sited on private or state lands resulting in off-lease federal production. In these cases, the State of Wyoming has primary jurisdiction for ensuring operations are compliant with state rules for the protection of surface lands.

The likelihood of an increase in activity in the HDD is likely low while continued exploratory and some development activity increases in the HPD. Exploratory and development activity could increase in the WR/BBD due to the number of previously nominated parcels, however, it is unknown as to what extent. Typically, less than 50% of all leases issued are explored. Further information concerning BLM leasing statistics can be located at: <https://www.blm.gov/programs-energy-and-minerals-oil-and-gas-oil-and-gas-statistics>. Results of this lease sale are expected to be consistent. To the extent that existing oil and gas development is affecting big game herds, those impacts are expected to continue. New development would be consistent with current projections in the RMPs and are not expected to be at a level that would cause significant impacts beyond those reflected in the RMP FEIS’. Impacts from other risk factors are expected to continue.

Best management practices will be considered and where required by stipulation, a mitigation plan will be developed to ensure that RMP objectives are achieved. Lease Notices and coordination with State Agencies will ensure cooperation and coordination across jurisdictions increasing the consistency in application of mitigation and consideration of cumulative impacts. Master development plans will be considered as appropriate.

Conditions at the time an APD is submitted will be assessed for significance; the need for additional mitigation will also be determined at the time development is proposed. All future projects will under-go site-specific review, and preparation of an environmental record of review will occur in accordance with Federal law, regulation, and policy.

While parcels containing lands within the designated migration corridors are being offered without any stipulations controlling occupancy, those parcels which contain mapped migratory corridor boundaries have sufficient acreage outside of the affected habitat to site infrastructure, should the parcel move to development. The State of Wyoming/WGFD, has not objected to offering any of the parcels proposed to be offered. The two agencies continue to cooperate in accordance with Secretarial Order 3362 and the BLM-WGFD Memorandum of Understanding.

All oil and gas projects in the state are subject to State of Wyoming rules and require approval of an Application for Permit to Drill by both agencies if the proposal involves production of the Federal mineral estate.

Monitoring and the use of adaptive management will continue in accordance with any applicable decision. As data is collected and made available, it will be considered at the time development is proposed, if a parcel is sold, a lease is issued and development proposed.

Additional information on cumulative impacts to big game and big game habitats are provided in the ARMPA at pages 4-423 – 4-427, 4-562, 4-508; the Pinedale RMP FEIS 4-294 – 296, GR RMP FEIS 462.

In consideration of the above, no significant cumulative impacts are expected from the offering of the one parcel located in mule deer CWR or to migrating animals and/or the continued use and function of the Baggs migration corridor from offering the proposed parcels for sale.

4.5 Lands with Wilderness Characteristics

4.5.1 Alternative 1 – No Action Alternative

Under the No Action Alternative, the Proposed Action or alternatives would not be authorized and BLM Wyoming would not offer any of the 209 parcels nominated. Ongoing oil and gas development, ranching, recreation, and other activities on BLM-administered lands would continue.

4.5.2 Alternative 2 – Proposed Action

Under Alternative 2, 13 parcels are located either wholly or partially within LWC areas. There are no Parcels in the Citizen Proposed Wilderness areas (CWPs).

4.5.3 Alternative 3 – Modified Proposed Action

Under Alternative 3, impacts to LWCs are similar to those described in the respective Field Office RMPs.

4.5.4 Cumulative Impacts

Cumulative impacts to LWCs are described in each Field Office RMP.

4.6 Socioeconomics, Environmental Justice, and Public Health and Safety

4.6.1 Alternative 1 – No Action Alternative

Under the No Action Alternative, where none of the leases would be offered and subsequently sold, the employment, revenue, and purchasing opportunities associated with developing and producing wells on these leases would be foregone, as would the opportunity to provide oil and gas resources from these lease parcels to aid in meeting associated energy demands. None of the proposed parcels would be offered for lease, resulting in reduced bonus bid revenues and rentals. Since not leasing these minerals would prevent private entities from exploring and developing these minerals, subsequent associated oil and gas production and generation of royalty revenues would not occur. The State of Wyoming, as well as many counties and communities within, rely on oil and gas development as an important part of their economic base. For more detailed, management area-specific discussions regarding the potential impacts of foregoing leasing, please refer to the applicable RMP FEISs, including Section 5.1.1 of the Wyoming Greater Sage-Grouse Proposed Land Use Plan Amendment and FEIS (beginning on page 4-134).

4.6.2 Alternative 2 – Proposed Action Alternative

4.6.2.1 Socioeconomics

Federal oil and gas leases generate a one-time lease bonus bid, as well as annual rents during the life the lease, or until hydrocarbon production begins on the leased parcel. Nominated parcels approved for leasing are offered quarterly by the BLM at auctions starting at a minimum bid of \$10.00 per acre. If parcels do not receive the minimum competitive bid, they may be leased later as noncompetitive leases that do not generate bonus bids. In general, lease sales in Wyoming are highly competitive and parcels with high potential for oil and gas production regularly command bonus bids in excess of the minimum bid.

Lessee rent payments are equal to \$3.00 an acre for the first two years and increase to \$5.00 an acre for six further years of the lease. For any lease extending beyond the first eight years, rent payments increase to at least \$15.00 per acre thereon. Typically, these leases expire after 10 years unless held by production. During this lease period, annual

rental payments are paid on leased parcels until one or more wells are drilled that result in production, then the lessee begins paying annual royalties calculated as a percentage of the value of production from the parcel. For this sale, the BLM is updating the sale notice and including an attachment to the standard lease form applying a 16.67% royalty rate (see Section 1.1). 51% of federal mineral leasing revenues go to the Treasury Department, while approximately 49% are distributed back to the state in which the revenues were generated. In Wyoming, federal mineral receipts distributed back to the state follow a legislatively established, two-tier formula. The first tier covers total annual receipts up to \$200 million and the second tier applies to receipts over \$200 million per year. Based on the state’s established two-tier formula, Wyoming allocates these revenues to public school districts, the highway and county road fund, cities and towns, the University of Wyoming, capital construction projects, and the state’s budget reserve account (WY LSO 2021).

Although the economic activity associated with mineral development and the public revenues generated from federal mineral leasing and development play an important role in supporting the economic well-being of Wyoming communities, such resource development can have adverse effects on other socioeconomic values people derive from these natural landscapes. To the extent that additional oil and gas development affect recreational and tourism opportunities in the area of the nominated lease parcels, there may be related effects in these economic sectors.

4.6.2.2 Environmental Justice

For minority populations, the BLM generally defines “meaningfully greater” as 10 percent above the minority population size of the comparison geography. A low-income population is identified by the BLM as a community of concern if either 1) low-income populations of the area of analysis exceed 50% of the population, or 2) the low-income population is less than or equal to twice (200%) of the federal “poverty level”. Indigenous communities of concern are present if the percentage of the population identified as indigenous, including non-tribal-affiliated persons who identify as indigenous or a combination of indigenous and another ethnicity, is equal to or greater than that of the reference population(s) (see Federal Interagency Working Group on Environmental Justice and NEPA Committee 2016; BLM 2022).

For this EA, the EJ analysis area is identified as all Census block groups surrounding the associated parcels proposed to be offered for sale in each Alternative. If a parcel is located on or near more than one block group, all proximal and/or immediately adjacent block groups were also included in the analysis. This analysis area was selected to represent geographies proximal to the project area, along potential transportation and access routes, and to be inclusive of regional rural and indigenous landscapes. Parcels offered for sale span across all of Wyoming; there is also a parcel offered in southern Nebraska. The population in this analysis area totals 38,394 people (USCB 2022). The reference area is the State of Wyoming for all Wyoming parcels and the State of Nebraska for the remaining Nebraska parcel; reference areas smaller than the states of Wyoming and Nebraska are not suitable for this analysis due to the rural composition and resultingly sparse demographic data available at a consistent county level of both states. Based on these criteria, potential communities of concern were identified in census block groups of the following counties:

Table 4.16.

| Block Group Community Type Identified As | Alternative 1 – No Action | Alternative 2 – Proposed Action | Alternative 3 – Modified Proposed Action | Total Identified Block Groups of Potential Concern |
|--|---------------------------|--|--|--|
| Low Income | - | <p>WY counties: Same as Alternative 3 + Goshen County, Park County</p> <p>NE counties: Same as Alternative 3</p> | <p>WY counties: Uinta, Fremont, Bighorn, Washakie, Johnson, Campbell, Crook, Weston, Niobrara, Carbon, Sweetwater</p> <p>NE counties: Harlan</p> | 21 |

| | | | | |
|--|---|---|---|----------|
| Minority | - | WY counties: Same as Alternative 3 NE counties: None | WY counties: Sublette, Fremont, Campbell, Carbon NE counties: None | 5 |
| Indigenous | - | WY counties: Same as Alternative 3 NE counties: None | WY counties: Sublette, Fremont, Campbell, Carbon NE counties: None | 8 |
| Both Low Income and Minority | - | WY counties: Same as Alternative 3 NE counties: None | WY counties: Uinta, Fremont, Carbon NE counties: None | 4 |
| Both Low Income and Indigenous | - | WY counties: Same as Alternative 3 NE counties: None | WY counties: Uinta, Fremont, Bighorn, Weston, Niobrara, Carbon NE counties: None | 6 |
| Total Identified Block Groups of Potential Concern | - | 23 | 21 | |

Sources: EPA's EJScreen, BLM and Headwaters Economics Socioeconomic Profiling Tool (US DOC 2022), U.S. Census Bureau American Community Survey (USCB 2022)

Low-income, minority, and indigenous populations exist within the study area and may be disproportionately affected by project actions. Some block group populations identify as more than one environmental justice community and warrant special attention, outreach, and meaningful involvement. It is estimated that 30.4% of the study area population is identified as low-income. This is greater than the reference area low-income percentages of 26.5% and 27.5% for WY and NE, respectively. It is estimated that 11.2% of the study area population is identified as belonging to a minority population group. This is less than the reference area minority percentages of 16.4% and 21.7% for WY and NE, respectively. Four of the 23 block groups identified as both low-income and minority environmental justice communities. Six of the 23 low-income block groups also identified as potential indigenous populations, where 4.5% of the study area population is identified as belonging to an indigenous population group (USCB 2022).

Low-income, minority, and indigenous communities of concern within the analysis area constitute populations at risk for adverse health outcomes due to demographic or socioeconomic factors (Headwaters Economics 2022). The EPA has concluded that the most severe harms from climate change fall disproportionately upon underserved communities who are least able to prepare for, and recover from, heat waves, poor air quality, flooding, and other impacts (EPA 2021b). Aside from ethnicity and poverty status, other factors contributing to increased health risks for the communities of concern in the analysis area include, but are not limited to, age, education, employment, and language proficiency.

While the determination of potential adverse and disproportionate effects from specific actions may initially be the assessment of the BLM, this assessment should not be assumed to be the position of specific, potentially affected communities of concern. The BLM realizes that additional adverse impacts may be identified by local communities as specific development locations and types are proposed. Therefore, identified communities of concern would be provided opportunities to identify any perceived adverse environmental impacts at the time of site-specific analysis during the APD stage. As a result, this discussion assesses only the effects for the issues identified by the BLM during scoping and public comment (see Sections 1.6 and 1.7). The BLM would continue to work with potentially affected

communities of concern to identify and address additional EJ issues as they arise.

4.6.3 Alternative 3 – Modified Proposed Action Alternative

4.6.3.1 Socioeconomics

Socioeconomic impacts under the Modified Proposed Action Alternative are expected to be similar to those disclosed under the Proposed Action Alternative.

4.6.3.2 Environmental Justice

For this EA, the EJ analysis area is identified as all Census block groups surrounding the associated parcels proposed to be offered for sale in each Alternative. If a parcel is located on or near more than one block group, all proximal and/or immediately adjacent block groups were also included in the analysis. This analysis area was selected to represent geographies proximal to the project area, along potential transportation and access routes, and to be inclusive of regional rural and indigenous landscapes. Parcels offered for sale span across all of Wyoming; there is also a parcel offered in southern Nebraska. The population in this analysis area totals 38,394 people (USCB 2022). The reference area is the State of Wyoming for all Wyoming parcels and the State of Nebraska for the remaining Nebraska parcel; reference areas smaller than the states of Wyoming and Nebraska are not suitable for this analysis due to the rural composition and resultingly sparse demographic data available at a consistent county level of both states. Based on these criteria, potential communities of concern were identified in census block groups of the following counties:

Table 4.17.

| Block Group Community Type Identified As | Alternative 1 – No Action | Alternative 3 – Modified Proposed Action | Total Identified Block Groups of Potential Concern |
|--|------------------------------|--|--|
| Low Income | - | WY counties: Uinta, Fremont, Bighorn, Washakie, Johnson, Campbell, Crook, Weston, Niobrara, Carbon, Sweetwater NE counties: Harlan | 19 |
| Minority | - | WY counties: Sublette, Fremont, Campbell, Carbon NE counties: None | 5 |
| Indigenous | - | WY counties: Sublette, Fremont, Campbell, Carbon NE counties: None | 8 |

| | | | |
|--|---|---|----------|
| Both Low Income and Minority | - | WY counties: Uinta, Fremont, Carbon NE counties: None | 4 |
| Both Low Income and Indigenous | - | WY counties: Uinta, Fremont, Bighorn, Weston, Niobrara, Carbon NE counties: None | 6 |
| Total Identified Block Groups of Potential Concern | - | 21 | |

Sources: EPA's EJScreen, BLM and Headwaters Economics Socioeconomic Profiling Tool (US DOC 2022), U.S. Census Bureau American Community Survey (USCB 2022)

Low-income, minority, and potential indigenous populations exist within the study area and may be disproportionately affected by project actions. Some block group populations identify as more than one environmental justice community and warrant special attention, outreach, and meaningful involvement.

Low-income, minority, and indigenous communities of concern within the analysis area constitute populations at risk for adverse health outcomes due to demographic or socioeconomic factors (Headwaters Economics 2022). The EPA has concluded that the most severe harms from climate change fall disproportionately upon underserved communities who are least able to prepare for, and recover from, heat waves, poor air quality, flooding, and other impacts (EPA 2021b). Aside from ethnicity and poverty status, other factors contributing to increased health risks for the communities of concern in the analysis area include, but are not limited to, age, education, employment, and language proficiency.

While the determination of potential adverse and disproportionate effects from specific actions may initially be the assessment of the BLM, this assessment should not be assumed to be the position of specific, potentially affected communities of concern. The BLM realizes that additional adverse impacts may be identified by local communities as specific development locations and types are proposed. Therefore, identified communities of concern would be provided opportunities to identify any perceived adverse environmental impacts at the time of site-specific analysis during the APD stage. As a result, this discussion assesses only the effects for the issues identified by the BLM during scoping and public comment (see Sections 1.6 and 1.7). The BLM would continue to work with potentially affected communities of concern to identify and address additional EJ issues as they arise.

4.6.2.3 Public Health and Safety

Due to the scattered nature and small area encompassed by the proposed parcels (as well as low population density and the presence of industrial safety programs, standards, and state and federal regulations) offering the proposed parcels is not expected to substantially increase health or safety risks to humans, wildlife, or livestock. Parcels that contain lands with private surface overlying federal minerals (i.e., split-estate) have, or have the potential to, contain private residences and associated facilities such as domestic water supply wells. Several of these parcels may be used for individual dispersed recreational activities which could expose these users to oil and gas-related activity, as well.

4.6.4 Cumulative Impacts

4.6.4.1 Socioeconomics

Continued expansion of the oil and gas industry may be perceived as having a negative effect on quality-of-life

considerations for people who value undeveloped landscapes, opportunities for isolation, and activities such as wildlife viewing, other forms of recreation, or rangeland management. The total landscape-level surface disturbance associated with reasonably foreseeable environmental trends and planned actions would include activities that generate increased human activity, traffic, noise, dust, odor, light pollution, and visual effects. These activities have the potential to affect quality of life of any existing nearby residences or facilities, depending on the intensity of development activities and proximity of structures to a given parcel. While the majority of these impacts to any significantly proximal residences or facilities would be short term and cease during operations (e.g., increased human activity, traffic, noise, dust, and odor during drilling and completion phases), residences may continue to experience long-term visual or other impacts that have potential to affect quality of life if they are located in areas in which oil and gas development is not currently nearby or visible. However, with consideration of total lease acreage, topography, and resources present within the nominated lease parcels, there are opportunities for future potential development to be placed in portions of the nominated lease parcels that are less proximal to any associated residences and facilities, thereby minimizing potential associated quality of life impacts.

Further, the BLM uses a number of stipulations and lease notices applied to the nominated lease parcels in the current sale that may mitigate potential effects on wildlife and other resources that in turn may mitigate effects on related concerns (see Appendices sections 5.1 and 5.2 for specific stipulations and lease notices applied to the nominated lease parcels, and individual stipulation and lease notice summaries). Under the authority granted in standard terms and conditions attached to each lease, measures to reduce or avoid impacts to resource values, land uses, or users would be attached as COAs to the associated APD. Site-specific avoidance, minimization, and/or mitigation measures would be determined at the time of proposed lease development. This could include measures to reduce noise, dust, odor, and light effects during construction and operations. As with reasonably foreseeable environmental trends and planned actions, effects to quality of life and other socioeconomic values from these trends and actions would be examined at the APD level with consideration of site-specific locational information and development of COAs to reduce identified effects as needed.

4.6.4.2 Environmental Justice

The federal government cannot dictate where oil and gas reserves may exist. Consequently, there may be instances where oil and gas exploration activities disproportionately and adversely affect communities of concern due to proximity and other factors. Oil and gas exploration activities can be active for variable amounts of time. For example, a typical horizontal well averages from 30 to 60 days from start of drilling to completion and may have a greater effect (increased dust, traffic, etc.) on resident populations in close proximity to such drilling operations while the drilling operations are ongoing. These kinds of exploration activities may result in impacts that are adverse to communities of concern if the populations of concern are located near the drilling operations; however, the BLM does not know exactly where drilling operations may take place until lease development is proposed if a nominated lease parcel is developed at all. Additional analysis would be conducted at the time of proposed lease development. Standard terms and conditions attached as COAs to the APD could include measures to reduce effects on nearby communities of concern. Under the Oil and Gas Leasing Regulation for Surface Use Rights (43 CFR 3101-1-2), such reasonable measures may include modification to siting or design of facilities, including relocation of proposed operations up to 656 feet (200 m). These measures would minimize potential effects that could be adverse and disproportionate to members of communities of concern.

BLM Wyoming uses stipulations and COAs to minimize effects to nearby populations, including communities of concern, during construction and operations, to the extent practicable. Note that any residence, community facility or gathering space in an area with a community of concern has the chance of being significant to that community; however, no such places have been identified within the nominated lease parcels. Additionally, no specific Native American resource concerns have been identified on the subject lease parcels; however, this consultation is considered ongoing. Therefore, impacts to communities of concern are more likely to be indirect and may incrementally contribute to impacts associated with reasonably foreseeable environmental trends and planned actions.

4.6.4.3 Public Health and Safety

Oil and gas developments, in addition to other extractive activities like coal and trona mining, have been occurring in Wyoming for many decades. Due to the scattered nature and small area encompassed by the proposed parcels (as well

as low population density and the presence of industrial safety programs, standards, and state and federal regulations) offering the proposed parcels is not expected to substantially increase health or safety risks to humans, wildlife, or livestock. Parcels that contain lands with private surface overlying federal minerals (i.e., split-estate) have, or have the potential to, contain private residences and associated facilities such as domestic water supply wells. Several of these parcels may be used for individual dispersed recreational activities which could expose these users to oil and gas-related activity, as well.

5.0 Appendices

5.1 Lease Sale Parcel List with Proposed Stipulations and Noted Deletions/Deferrals

Nebraska

NE-2023-06-0001

NE, Newcastle Field Office,
Bureau of Land Management,
PD

T. 1 N., R. 18 W., 6TH PM

Sec. 22 SW1/4SE1/4.

Harlan County

40 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

NE Std Lease Notice No. 1

BLM Lease Notice for Adverse
Impacts to Resources

NE Std Lease Notice No. 2

BLM Lease Notice for National
Historic Trails

NE Std Lease Notice No. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

NE Std Lease Stipulation No.3

BLM Stipulations for Multiple
Mineral Development
EOI# WY00017296

Wyoming

WY-2023-06-1493 Split Estate

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 18 N., R. 63 W., 6TH PM

Sec. 26 S1/2NE1/4,
NE1/4SW1/4.

Laramie County

120 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nests

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter

Concentration Areas

EOI# WY00017713

WY-2023-06-1581 Split Estate

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 25 N., R. 63 W., 6TH PM

Sec. 6 SESW (EXCLUDING
1.93 AC IN RSVR ROW

WYW64392);

Sec. 6 LOTS 7;

Sec. 7 LOTS 1 thru 4;

Sec. 7 E1/2SW1/4.

Goshen County

318.03 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CFO_CSU_OT3M

BLM Stipulations for Oregon
Trail Cultural and Scenic Values
(historic setting contributes to
NRHP eligibility)

WY CFO_CSU_OTQTRM

BLM Stipulations for Oregon
Trail Cultural and Scenic Values
(historic setting does not
contribute to NRHP eligibility)

WY CyFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and II)

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter

Concentration Areas

EOI# WY00017923,

WY00017924

WY-2023-06-1342

WY, Newcastle Field Office,
Forest Service: THUNDER

BASIN NGL, PD

T. 47 N., R. 63 W., 6TH PM

Sec. 19 LOTS 1,2;

Sec. 19 N1/2NE1/4,

SE1/4NE1/4, SE1/4SW1/4.

Weston County

231.78 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral

Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-CSU-07

SMA Stipulations for Scenery -
Moderate Scenic Integrity

Objective Areas

For the following lands:

T. 47 N., R. 63 W., 6TH PM,

Sec. 19 (SESW; portions of
N2NE), LOTS 1, 2;

TBNG2002-NSO-02

SMA Stipulations for Slopes

Between 25-40%

For the following lands:

T. 47 N., R. 63 W., 6TH PM,

Sec. 19 (portions of SESW);

TNG2002-TL-09

SMA Stipulations for Deer, Elk,
and Pronghorn Habitat

TBNG-R2-FS-2820-13 Lease**Notice**

SMA Stipulations for Notice for
Lands of the National Forest

System Under Jurisdiction of

Department of Agriculture

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for
Reasonable Measures to

Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to

coal leasing

EOI# WY00017173

FS Parcel#TBNG-0470N-

0630W-0003

WY-2023-06-1343

WY, Newcastle Field Office,
Forest Service: THUNDER

BASIN NGL, ACQ

T. 47 N., R. 63 W., 6TH PM

Sec. 19 LOTS 3.

Weston County

36.12 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral

Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-CSU-07

SMA Stipulations for Scenery -
Moderate Scenic Integrity

Objective Areas

TBNG2002-TL-09

SMA Stipulations for Deer, Elk,
and Pronghorn Habitat

TBNG-R2-FS-2820-13 Lease**Notice**

SMA Stipulations for Notice for
Lands of the National Forest

System Under Jurisdiction of

Department of Agriculture

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for
Reasonable Measures to

Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act

requirements with respect to
coal leasing

EOI# WY00017215

FS Parcel#TBNG-0470N-

0630W-0004

WY-2023-06-1344

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ
T. 47 N., R. 63 W., 6TH PM
Sec. 32 SE1/4NW1/4,
NW1/4SE1/4;
Sec. 33 NE1/4, E1/2NW1/4,
N1/2SE1/4, SW1/4SE1/4.
Weston County
440 Acres
16.670% Acquired Royalty
Interest
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-02

SMA Stipulations for Slopes
Between 25-40%

For the following lands:

T. 47 N., R. 63 W., 6TH PM,
Sec. 33 (portions of NWNE,
E2NW, NWSE);

TBNG2002-TL-09

SMA Stipulations for Deer, Elk,
and Pronghorn Habitat

TBNG-R2-FS-2820-13 Lease Notice

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017214
FS Parcel#TBNG-0470N-
0630W-0001

WY-2023-06-1345

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD
T. 47 N., R. 63 W., 6TH PM
Sec. 33 E1/2SW1/4,
SE1/4SE1/4.
Weston County
120 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-02

SMA Stipulations for Slopes
Between 25-40%

For the following lands:

T. 47 N., R. 63 W., 6TH PM,
Sec. 33 (portions of NESW,
SESE);

TBNG2002-TL-09

SMA Stipulations for Deer, Elk,
and Pronghorn Habitat

TBNG-R2-FS-2820-13 Lease Notice

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for

Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017172
FS Parcel#TBNG-0470N-
0630W-0002

WY-2023-06-1494 Split Estate

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 18 N., R. 64 W., 6TH PM

Sec. 13 NE1/4NE1/4,
E1/2SW1/4.

Laramie County

120 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for
Reasonable Measures to

Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter

Concentration Areas

EOI# WY00017713

WY-2023-06-1565 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 36 N., R. 64 W., 6TH PM

Sec. 6 N1/2SE1/4,

NE1/4SW1/4;

Sec. 7 NE1/4NW1/4;

Sec. 8 ALL;

Sec. 17 ALL;

Sec. 18 SE1/4, E1/2SW1/4.

Niobrara County

1680 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral

Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY NFO_CSU_LCFA

BLM Stipulations for Lance Creek Fossil Area

Paleontological Values

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an

occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter

Concentration Areas

EOI# WY00017918

WY-2023-06-1347

WY, Newcastle Field Office, Forest Service: THUNDER

BASIN NGL, PD

T. 47 N., R. 64 W., 6TH PM

Sec. 2 E1/2SW1/4, SE1/4;

Sec. 3 SW1/4NW1/4,

S1/2SW1/4;

Sec. 10 W1/2NE1/4, NW1/4,

E1/2SW1/4, W1/2SE1/4;

Sec. 11 W1/2NE1/4, NW1/4,

N1/2SW1/4;

Sec. 14 W1/2NW1/4, S1/2;

Sec. 15 N1/2;

Sec. 24 SWSW (Excl 6.86 AC in RR ROW WYW0119068);

Sec. 24 W1/2NE1/4,

SE1/4NW1/4, W1/2SE1/4,

E1/2NE1/4NW1/4;

Sec. 25 NESE (Excl 8.49 AC in RR ROW WYW0119068).

Weston County

2084.65 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral

Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-CSU-07

SMA Stipulations for Scenery - Moderate Scenic Integrity

Objective Areas

TBNG2002-NSO-02

SMA Stipulations for Slopes Between 25-40%

For the following lands:

T. 47 N., R. 64 W., 6TH PM,

Sec. 2 (portions of SESW,

SWSE); Sec. 14 (portions of

NWNW, E2SW); Sec. 15

(portions of W2NE, SENE,

NW); Sec. 24 (portions of

W2SE), SWSW (Excl 6.86 AC

in RR ROW WYW0119068);

TBNG2002-NSO-07

SMA Stipulations for Sharp-tailed Grouse and Sage Grouse Display Grounds

TBNG2002-TL-02

SMA Stipulations for Golden Eagle Nests

TBNG2002-TL-04

SMA Stipulations for Sharp-tailed Grouse Display Grounds

TBNG2002-TL-09

SMA Stipulations for Deer, Elk, and Pronghorn Habitat

TBNG-R2-FS-2820-13 Lease

Notice

SMA Stipulations for Notice for Lands of the National Forest

System Under Jurisdiction of Department of Agriculture

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017212

FS Parcel#TBNG-0470N-
0640W-0003

WY-2023-06-1348

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ

T. 47 N., R. 64 W., 6TH PM

Sec. 3 LOTS 3,4;

Sec. 3 SE1/4NW1/4,

N1/2SW1/4;

Sec. 10 E1/2NE1/4,

W1/2SW1/4, E1/2SE1/4;

Sec. 24 E1/2NE1/4, E1/2SE1/4.

Weston County

600.52 Acres

16.670% Acquired Royalty

Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-CSU-07

SMA Stipulations for Scenery -
Moderate Scenic Integrity
Objective Areas

TBNG2002-TL-09

SMA Stipulations for Deer, Elk,
and Pronghorn Habitat

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of

Department of Agriculture
**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017213

FS Parcel#TBNG-0470N-
0640W-0004

WY-2023-06-1346

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD

T. 47 N., R. 64 W., 6TH PM

Sec. 33 SE1/4NE1/4;

Sec. 34 NE1/4, S1/2NW1/4,

N1/2SW1/4, SE1/4SW1/4,

N1/2SE1/4, SW1/4SE1/4;

Sec. 35 N1/2, SE1/4SW1/4.

Weston County

880 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-CSU-07

SMA Stipulations for Scenery -
Moderate Scenic Integrity
Objective Areas

For the following lands:

T. 47 N., R. 64 W., 6TH PM,

Sec. 34 (PORTIONS OF

N2NE, SENE); Sec. 35 (NE,

N2NW, SENW; portions of

SWNW);

TBNG2002-NSO-02

SMA Stipulations for Slopes
Between 25-40%

For the following lands:

T. 47 N., R. 64 W., 6TH PM,

Sec. 34 (portions of NENE,

NWSW); Sec. 35 (portions of

NWNE, SESW);

TBNG2002-NSO-05

SMA Stipulations for Bald

Eagle Winter Roosts

For the following lands:

T. 47 N., R. 64 W., 6TH PM,

Sec. 33 SE1/4NE1/4; Sec. 34

(PORTIONS OF SESW,

SWSE); Sec. 35 (N2NW,

SWNW; PORTIONS OF

NWNE, SENW);

TBNG-R2-FS-2820-13 Lease

Notice

SMA Stipulations for Notice for
Lands of the National Forest

System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple

Mineral Development
WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
EOI# WY00017176
FS Parcel#TBNG-0470N-0640W-0002

WY-2023-06-1563 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 36 N., R. 65 W., 6TH PM

Sec. 19 LOTS 1,2;
Sec. 19 W1/2NE1/4,
E1/2NW1/4;
Sec. 20 N1/2, S1/2SE1/4,
SE1/4SW1/4;
Sec. 21 N1/2, N1/2SE1/4;
Sec. 22 NW1/4, N1/2SW1/4;
Sec. 24 ALL;
Sec. 25 SW1/4SE1/4,
SW1/4SW1/4.
Niobrara County
2041.61 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY NFO_CSU_LCFA

BLM Stipulations for Lance Creek Fossil Area Paleontological Values

WY NFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017912

WY-2023-06-1564 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 36 N., R. 65 W., 6TH PM

Sec. 19 LOTS 3,4;
Sec. 19 E1/2SW1/4, SE1/4;
Sec. 27 NE1/4SW1/4;
Sec. 28 W1/2NW1/4,
NE1/4SW1/4;
Sec. 29 NE1/4NE1/4,
SW1/4SE1/4;
Sec. 30 LOTS 1 thru 3;
Sec. 30 W1/2NE1/4,
E1/2NW1/4, NE1/4SW1/4;
Sec. 35 S1/2SE1/4.
Niobrara County
963.59 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY NFO_CSU_LCFA

BLM Stipulations for Lance Creek Fossil Area Paleontological Values

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017913

WY-2023-06-1331

WY, Newcastle Field Office, Forest Service: THUNDER BASIN NGL, ACQ

T. 44 N., R. 65 W., 6TH PM

Sec. 4 LOTS 3,4;
Sec. 4 SW1/4NW1/4;
Sec. 5 LOTS 1 thru 4;
Sec. 5 S1/2NE1/4, S1/2NW1/4,
N1/2SW1/4, N1/2SE1/4,
SW1/4SW1/4, SE1/4SE1/4;
Sec. 8 NE1/4NE1/4;
Sec. 13 S1/2NE1/4,
SW1/4SW1/4, SE1/4;
Sec. 14 E1/2SW1/4,
NE1/4SE1/4, S1/2SE1/4;
Sec. 20 S1/2;
Sec. 21 W1/2SW1/4;
Sec. 28 W1/2NW1/4;
Sec. 29 NE1/4.

Weston County
1843.36 Acres

16.670% Acquired Royalty
Interest
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-06

SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests

For the following lands:

T. 44 N., R. 65 W., 6TH PM,
Sec. 5 (PORTIONS OF N2SE,
SESE); Sec. 8 (portions of
NENE); Sec. 14 (Portions of
E2SW, NESE, S2SE);

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests

For the following lands:

T. 44 N., R. 65 W., 6TH PM,
Sec. 4 (Portions of SWNW);
Sec. 5 (N2SE, SESE;
PORTIONS OF S2NE, SENW,
NESW); Sec. 8 NE1/4NE1/4;
Sec. 13 (PORTIONS OF
SWSW); Sec. 14 E1/2SW1/4,
NE1/4SE1/4, S1/2SE1/4;

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017231

FS Parcel#TBNG-0440N-
0650W-0004

WY-2023-06-1332

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ

T. 44 N., R. 65 W., 6TH PM

Sec. 7 LOTS 3, 4;
Sec. 7 E1/2SW1/4;
Sec. 18 W1/2NE1/4,
E1/2NW1/4;
Sec. 19 SE1/4.

Weston County

470.38 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-06

SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017216

FS Parcel#TB-989

WY-2023-06-1333

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ

T. 44 N., R. 65 W., 6TH PM

Sec. 9 N1/2NW1/4,
SE1/4NW1/4.

Weston County

120 Acres

50 % US Mineral Interest
16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's

Hawk Nests
For the following lands:
T. 44 N., R. 65 W., 6TH PM,
Sec. 9 (portions of the
NWNW);
**TBNG-R2-FS-2820-13 Lease
Notice**
SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017217
FS Parcel#TBNG-0440N-
0650W-0002

WY-2023-06-1337
WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD
T. 44 N., R. 65 W., 6TH PM
Sec. 14 SE1/4NE1/4;
Sec. 20 SE1/4NE1/4.
Weston County
80 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
TBNG2002-CSU-03
SMA Stipulations for Fossils
TBNG2002-NSO-06
SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests
For the following lands:
T. 44 N., R. 65 W., 6TH PM,
Sec. 14 (portions of SENE);
TBNG2002-TL-01
SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests
**TBNG-R2-FS-2820-13 Lease
Notice**
SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017169
FS Parcel#TBNG-0440N-
0650W-0003

WY-2023-06-1338
WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD

T. 44 N., R. 65 W., 6TH PM
Sec. 14 NW1/4SE1/4.
Weston County
40 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
TBNG2002-CSU-03
SMA Stipulations for Fossils
TBNG2002-NSO-01
SMA Stipulations for Slopes >
40%
For the following lands:
T. 44 N., R. 65 W., 6TH PM,
Sec. 14 (Portion of NWSE);
TBNG2002-NSO-02
SMA Stipulations for Slopes
Between 25-40%
For the following lands:
T. 44 N., R. 65 W., 6TH PM,
Sec. 14 (Portion of NWSE);
TBNG2002-NSO-06
SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests
**TBNG-R2-FS-2820-13 Lease
Notice**
SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
EOI# WY00017226
FS Parcel#TBNG-0440N-0650W-0008

WY-2023-06-1334
WY, Newcastle Field Office, Forest Service: THUNDER BASIN NGL, ACQ
T. 44 N., R. 65 W., 6TH PM
Sec. 24 SE1/4NE1/4, NE1/4SE1/4,
Weston County
80 Acres
16.670% Acquired Royalty Interest
Stipulations:

HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
TBNG2002-CSU-03
SMA Stipulations for Fossils
TBNG2002-NSO-06
SMA Stipulations for Golden Eagle, Merlin, Ferruginous Hawk, Swainson's Hawk, and Burrowing Owl Nests
For the following lands:
T. 44 N., R. 65 W., 6TH PM, Sec. 24 (PORTION OF SENE, NESE);

TBNG-R2-FS-2820-13 Lease Notice
SMA Stipulations for Notice for Lands of the National Forest System Under Jurisdiction of Department of Agriculture
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
EOI# WY00017225
FS Parcel#TBNG-0440N-0650W-0007

WY-2023-06-1335
WY, Newcastle Field Office, Forest Service: THUNDER BASIN NGL, ACQ
T. 46 N., R. 65 W., 6TH PM
Sec. 6 SW1/4SE1/4;
Sec. 7 LOTS 1,2.
Weston County
119.53 Acres
16.670% Acquired Royalty Interest
Stipulations:

HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
TBNG2002-CSU-03
SMA Stipulations for Fossils
TBNG2002-NSO-01
SMA Stipulations for Slopes > 40%
TBNG2002-NSO-02
SMA Stipulations for Slopes Between 25-40%
TBNG2002-NSO-06

SMA Stipulations for Golden Eagle, Merlin, Ferruginous Hawk, Swainson's Hawk, and Burrowing Owl Nests
TBNG2002-TL-01
SMA Stipulations for Ferruginous & Swainson's Hawk Nests
TBNG-R2-FS-2820-13 Lease Notice
SMA Stipulations for Notice for Lands of the National Forest System Under Jurisdiction of Department of Agriculture
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
EOI# WY00017223
FS Parcel#TB-1145

WY-2023-06-1336
WY, Newcastle Field Office, Forest Service: THUNDER BASIN NGL, PD
T. 46 N., R. 65 W., 6TH PM
Sec. 7 LOTS 3,4;
Sec. 7 W1/2NE1/4, E1/2NW1/4, NE1/4SW1/4.
Weston County
280.19 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-01

SMA Stipulations for Slopes > 40%

For the following lands:

T. 46 N., R. 65 W., 6TH PM, Sec. 7 (portions of Lot 4), W1/2NE1/4, E1/2NW1/4, NE1/4SW1/4;

TBNG2002-NSO-02

SMA Stipulations for Slopes Between 25-40%

For the following lands:

T. 46 N., R. 65 W., 6TH PM, Sec. 7 (portions of Lot 4), (portions of W2NE, E2NW, NESW);

TBNG2002-NSO-06

SMA Stipulations for Golden Eagle, Merlin, Ferruginous Hawk, Swainson's Hawk, and Burrowing Owl Nests

For the following lands:

T. 46 N., R. 65 W., 6TH PM, Sec. 7 (portions of W2NE, E2NW), LOTS 3, 4;

TBNG2002-TL-01

SMA Stipulations for Ferruginous & Swainson's Hawk Nests

For the following lands:

T. 46 N., R. 65 W., 6TH PM, Sec. 7 (portions of SWNE, SENW NESW), LOTS 3, 4;

TBNG-R2-FS-2820-13 Lease Notice

SMA Stipulations for Notice for Lands of the National Forest System Under Jurisdiction of Department of Agriculture

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

EOI# WY00017222

FS Parcel#TB-1142

WY-2023-06-1554 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 35 N., R. 66 W., 6TH PM

Sec. 3 LOTS 4;

Sec. 3 S1/2NW1/4;

Sec. 5 LOTS 4;

Sec. 5 S1/2NW1/4, N1/2SW1/4, SW1/4SW1/4;

Sec. 6 LOTS 1 thru 3, 6, 7;

Sec. 6 S1/2NE1/4,

NE1/4SW1/4, S1/2SE1/4, NW1/4SE1/4;

Sec. 10 S1/2NW1/4;

Sec. 11 S1/2SW1/4;

Sec. 22 W1/2NE1/4, E1/2NW1/4.

Niobrara County

1123.36 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY NFO_NSO_RN

BLM Stipulations for Raptor Nests

WY NFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority

Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter

Concentration Areas

EOI# WY00017903

WY-2023-06-7257 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 35 N., R. 66 W., 6TH PM

Sec. 8 NW1/4NE1/4,

S1/2NE1/4, E1/2NW1/4,

NW1/4NW1/4, N1/2SW1/4;

Sec. 9 S1/2NE1/4;

Sec. 28 NE1/4NW1/4,

S1/2NW1/4, SW1/4;
 Sec. 33 N1/2, E1/2SE1/4;
 Sec. 34 W1/2NW1/4,
 W1/2SW1/4.Niobrara County
 1240 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY NFO_NSO_RN
 BLM Stipulations for Raptor
 Nests
WY NFO_TLS_RN
 BLM Stipulations for Raptor
 Nests
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater
 Sage-Grouse breeding, nesting,
 etc. Within 2 miles of an
 occupied lek outside Priority
 Habitat Management Areas
 EOI# WY00017904

WY-2023-06-1548

WY, Newcastle Field Office,
 Bureau of Land Management,
 PD
T. 35 N., R. 66 W., 6TH PM
 Sec. 17 N1/2NW1/4,
 SE1/4NW1/4.
 Niobrara County
 120 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater
 Sage-Grouse breeding, nesting,
 etc. Within 2 miles of an
 occupied lek outside Priority
 Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater
 Sage-Grouse Winter
 Concentration Areas
 EOI# WY00017905

WY-2023-06-1559 Split Estate
 WY, Newcastle Field Office,
 Bureau of Land Management,
 PD
T. 35 N., R. 66 W., 6TH PM
 Sec. 26 S1/2SE1/4,
 SW1/4SW1/4;
 Sec. 28 SW1/4SE1/4;
 Sec. 33 W1/2SW1/4;
 Sec. 35 N1/2NE1/4,
 SW1/4NE1/4, N1/2NW1/4,
 S1/2SW1/4, SE1/4.
 Niobrara County
 680 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater
 Sage-Grouse breeding, nesting,
 etc. Within 2 miles of an
 occupied lek outside Priority
 Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017911

WY-2023-06-1545 Split Estate

WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 37 N., R. 66 W., 6TH PM

Sec. 1 LOTS 1 thru 4;
Sec. 1 S1/2NE1/4, S1/2NW1/4,
SW1/4SW1/4;
Sec. 2 SE1/4SE1/4;
Sec. 6 LOTS 1 thru 7;
Sec. 6 S1/2NE1/4,
SE1/4NW1/4, E1/2SW1/4,
SE1/4;
Sec. 7 LOTS 1, 2, 4;
Sec. 7 NE1/4, E1/2NW1/4,
SE1/4SW1/4;
Sec. 8 W1/2NW1/4;
Sec. 10 NW1/4;
Sec. 11 NE1/4NE1/4;
Sec. 12 NW1/4NW1/4.

Niobrara County

1752.12 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple

Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017895

WY-2023-06-7255 Split Estate

WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 37 N., R. 66 W., 6TH PM

Sec. 2 LOTS 1 thru 4;
Sec. 2 S1/2NE1/4, S1/2NW1/4,
N1/2SW1/4, SE1/4SW1/4;
Sec. 3 LOTS 1 thru 4;
Sec. 3 S1/2NE1/4, S1/2NW1/4,
S1/2;
Sec. 4 LOTS 1 thru 4;
Sec. 4 S1/2NE1/4, S1/2NW1/4,
S1/2;
Sec. 5 LOTS 1 thru 4;
Sec. 5 S1/2NE1/4, S1/2NW1/4,
S1/2.

Niobrara County

2361.9 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
EOI# WY00017894

WY-2023-06-1551 Split Estate

WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 37 N., R. 66 W., 6TH PM

Sec. 7 LOTS 3;
Sec. 7 NW1/4SE1/4,
NE1/4SW1/4;
Sec. 8 E1/2, E1/2NW1/4,
E1/2SW1/4;
Sec. 9 ALL;
Sec. 10 S1/2;
Sec. 11 W1/2SE1/4,
E1/2SW1/4;
Sec. 17 NE1/4;
Sec. 18 LOTS 1;
Sec. 18 N1/2NE1/4,
NE1/4NW1/4.
Niobrara County
2037.99 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY NFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY NFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017896

WY-2023-06-1539 Split Estate
WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 38 N., R. 66 W., 6TH PM

Sec. 14 S1/2NW1/4, S1/2;

Sec. 23 N1/2;

Sec. 24 N1/2.

Niobrara County

1040 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY NFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY NFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017892

WY-2023-06-1552 Split Estate

WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 38 N., R. 66 W., 6TH PM

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,

E1/2SW1/4;

Sec. 31 LOTS 1 thru 4;

Sec. 31 E1/2NW1/4,

E1/2SW1/4.

Niobrara County

949.44 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017897

WY-2023-06-1540

WY, Newcastle Field Office,
Bureau of Land Management,
PD

T. 38 N., R. 66 W., 6TH PM

Sec. 34 ALL.

Niobrara County

640 Acres

Stipulations:

WY NFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY Std Lease Stipulation No.
2**

BLM Stipulations for
Endangered Species Act Section
7 Consultation Stipulation

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 1**

BLM Stipulations for Historic
Properties

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat

Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017893

WY-2023-06-1329

WY, Newcastle Field Office,
Forest Service: THUNDER

BASIN NGL, ACQ

T. 44 N., R. 66 W., 6TH PM

Sec. 1 SE1/4SW1/4, S1/2SE1/4.
Weston County

120 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017229

FS Parcel#TBNG-0440N-
0660W-0003

WY-2023-06-1326

WY, Newcastle Field Office,
Forest Service: THUNDER

BASIN NGL, ACQ

T. 44 N., R. 66 W., 6TH PM

Sec. 3 S1/2.

Weston County

320 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils
**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017221
FS Parcel#TB-1156

WY-2023-06-7221

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ
T. 44 N., R. 66 W., 6TH PM
Sec. 10 W1/2NE1/4, SE1/4;
Sec. 11 W1/2SW1/4.
Weston County
320 Acres
16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-06

SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for

Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017220
FS Parcel#TB-1134

WY-2023-06-1327

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ
T. 44 N., R. 66 W., 6TH PM
Sec. 11 E1/2NE1/4, E1/2SE1/4;
Sec. 12 ALL.
Weston County
800 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-06

SMA Stipulations for Golden
Eagle, Merlin, Ferruginous

Hawk, Swainson's Hawk, and
Burrowing Owl Nests

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017227

FS Parcel#TBNG-0440N-
0660W-0001

WY-2023-06-1328

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ
T. 44 N., R. 66 W., 6TH PM
Sec. 25 S1/2.

Weston County

320 Acres

16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
TBNG2002-CSU-03
 SMA Stipulations for Fossils
TBNG-R2-FS-2820-13 Lease
Notice
 SMA Stipulations for Notice for
 Lands of the National Forest
 System Under Jurisdiction of
 Department of Agriculture
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
 EOI# WY00017228
 FS Parcel#TBNG-0440N-
 0660W-0002

WY-2023-06-1330
 WY, Newcastle Field Office,
 Forest Service: THUNDER
 BASIN NGL, ACQ
T. 44 N., R. 66 W., 6TH PM
 Sec. 34 S1/2NE1/4, S1/2NW1/4,
 SW1/4.
 Weston County
 320 Acres
 16.670% Acquired Royalty
 Interest
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural

Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
TBNG2002-CSU-03
 SMA Stipulations for Fossils
 For the following lands:
 T. 44 N., R. 66 W., 6TH PM,
 Sec. 34 S1/2NE1/4,
 S1/2NW1/4, SW1/4;
TBNG-R2-FS-2820-13 Lease
Notice
 SMA Stipulations for Notice for
 Lands of the National Forest
 System Under Jurisdiction of
 Department of Agriculture
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
 EOI# WY00017230
 FS Parcel#TBNG-0440N-
 0660W-0005

WY-2023-06-1355
 WY, Newcastle Field Office,
 Forest Service: THUNDER
 BASIN NGL, ACQ
T. 45 N., R. 66 W., 6TH PM
 Sec. 24 SE1/4NE1/4,
 E1/2SE1/4.

Weston County
 120 Acres
 16.670% Acquired Royalty
 Interest
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
TBNG2002-CSU-03
 SMA Stipulations for Fossils
TBNG2002-NSO-06
 SMA Stipulations for Golden
 Eagle, Merlin, Ferruginous
 Hawk, Swainson's Hawk, and
 Burrowing Owl Nests
 For the following lands:
 T. 45 N., R. 66 W., 6TH PM,
 Sec. 24 (portions of SENE,
 E2SE);
TBNG2002-TL-01
 SMA Stipulations for
 Ferruginous & Swainson's
 Hawk Nests
TBNG-R2-FS-2820-13 Lease
Notice
 SMA Stipulations for Notice for
 Lands of the National Forest
 System Under Jurisdiction of
 Department of Agriculture
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017244
FS Parcel#TBNG-0450N-
0660W-0001

WY-2023-06-1340

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, ACQ
T. 46 N., R. 66 W., 6TH PM
Sec. 13 S1/2SW1/4;
Sec. 24 NW1/4.
Weston County
240 Acres
16.670% Acquired Royalty
Interest

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-02

SMA Stipulations for Slopes
Between 25-40%

For the following lands:

T. 46 N., R. 66 W., 6TH PM,
Sec. 13 (PORTIONS OF
S2SW); Sec. 24 (PORTIONS
OF NENW);

TBNG2002-NSO-06

SMA Stipulations for Golden
Eagle, Merlin, Ferruginous
Hawk, Swainson's Hawk, and
Burrowing Owl Nests

For the following lands:

T. 46 N., R. 66 W., 6TH PM,
Sec. 13 S1/2SW1/4; Sec. 24
(portions of SWNW);

TBNG2002-TL-01

SMA Stipulations for
Ferruginous & Swainson's
Hawk Nests

For the following lands:

T. 46 N., R. 66 W., 6TH PM,

Sec. 13 S1/2SW1/4; Sec. 24
(portions of W2NW, SENW);
**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of
Department of Agriculture
**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017219

FS Parcel#TB-1125

WY-2023-06-1341

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD

T. 46 N., R. 66 W., 6TH PM
Sec. 17 SE1/4.

Weston County

160 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

TBNG2002-CSU-03

SMA Stipulations for Fossils

TBNG2002-NSO-01

SMA Stipulations for Slopes >
40%

For the following lands:

T. 46 N., R. 66 W., 6TH PM,
Sec. 17 (portions of E2SE);

TBNG2002-NSO-02

SMA Stipulations for Slopes
Between 25-40%

For the following lands:

T. 46 N., R. 66 W., 6TH PM,
Sec. 17 (portions of SE);

**TBNG-R2-FS-2820-13 Lease
Notice**

SMA Stipulations for Notice for
Lands of the National Forest
System Under Jurisdiction of

Department of Agriculture

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to

coal leasing

EOI# WY00017218

FS Parcel#TB-1122

WY-2023-06-1339

WY, Newcastle Field Office,
Forest Service: THUNDER
BASIN NGL, PD

T. 46 N., R. 66 W., 6TH PM

Sec. 22 SW1/4SW1/4.

Weston County

40 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
TBNG2002-CSU-03
 SMA Stipulations for Fossils
TBNG2002-NSO-01
 SMA Stipulations for Slopes > 40%
TBNG2002-NSO-02
 SMA Stipulations for Slopes Between 25-40%
TBNG-R2-FS-2820-13 Lease Notice
 SMA Stipulations for Notice for Lands of the National Forest System Under Jurisdiction of Department of Agriculture
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
 EOI# WY00017224
 FS Parcel#TB-1161

WY-2023-06-1349
 WY, Newcastle Field Office, Forest Service: THUNDER BASIN NGL, ACQ
T. 48 N., R. 66 W., 6TH PM

Sec. 31 SE1/4SW1/4, S1/2SE1/4.
 Weston County
 120 Acres
 16.670% Acquired Royalty Interest
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
TBNG2002-CSU-03
 SMA Stipulations for Fossils
TBNG2002-NSO-02
 SMA Stipulations for Slopes Between 25-40%
 For the following lands:
 T. 48 N., R. 66 W., 6TH PM, Sec. 31 (PORTIONS OF SESW);
TBNG-R2-FS-2820-13 Lease Notice
 SMA Stipulations for Notice for Lands of the National Forest System Under Jurisdiction of Department of Agriculture
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to

coal leasing
 EOI# WY00017171
 FS Parcel#TBNG-0480N-0660W-0002

WY-2023-06-1413 Split Estate
 WY, Casper Field Office, Bureau of Land Management, PD
T. 34 N., R. 67 W., 6TH PM
 Sec. 9 N1/2.
 Converse County
 320 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY CFO_TLS_NR
 BLM Stipulations for Nesting Raptors
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
 EOI# WY00017497

WY-2023-06-7254 Split Estate
 WY, Newcastle Field Office,

Bureau of Land Management,
PD
T. 37 N., R. 67 W., 6TH PM
Sec. 1 LOTS 1 thru 4;
Sec. 1 S1/2NE1/4, S1/2NW1/4,
S1/2;
Sec. 2 LOTS 1 thru 4;
Sec. 2 S1/2NE1/4, S1/2NW1/4,
SE1/4, N1/2SW1/4;
Sec. 3 LOTS 1 thru 4;
Sec. 3 S1/2NE1/4, S1/2NW1/4,
N1/2SE1/4, SW1/4;
Sec. 27 E1/2NE1/4,
NW1/4NE1/4, SW1/4SE1/4;
Sec. 34 N1/2NE1/4,
SW1/4NE1/4.
Niobrara County
2036.45 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY NFO_NSO_RN
BLM Stipulations for Raptor
Nests
WY NFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for

Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only
WY SW_NSO_PHMAL
BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017891

WY-2023-06-1549 Split Estate
WY, Newcastle Field Office,
Bureau of Land Management,
PD
T. 44 N., R. 67 W., 6TH PM
Sec. 1 LOTS 3, 4;
Sec. 1 SW1/4NW1/4,
NW1/4SW1/4, S1/2SW1/4.
Weston County
240 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National

Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017880

WY-2023-06-7235 Split Estate
WY, Newcastle Field Office,
Bureau of Land Management,
PD
T. 45 N., R. 67 W., 6TH PM
Sec. 17 W1/2SW1/4;
Sec. 18 NE1/4, NE1/4NW1/4,
N1/2SE1/4, SE1/4SE1/4;
Sec. 20 S1/2NE1/4, W1/2,
SE1/4;
Sec. 26 SW1/4SE1/4,
NW1/4SW1/4;
Sec. 27 N1/2SE1/4,
SE1/4SE1/4;
Sec. 35 S1/2SW1/4.
Weston County
1240 Acres
Stipulations:
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017546

WY-2023-06-1363 Split Estate

WY, Newcastle Field Office, Bureau of Land Management, PD

T. 54 N., R. 68 W., 6TH PM

Sec. 30 LOTS 5,6,11 thru 14,19,20.

Crook County

320.47 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
EOI# WY00017300

WY-2023-06-1358 Split Estate

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 43 N., R. 69 W., 6TH PM

Sec. 4 LOTS 17 thru 19;

Sec. 5 LOTS 5,7 thru 20.

Campbell County

754.49 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_BGCW4017

BLM Stipulations for Big Game Crucial Winter Range

WY BFO_CSU_EC4017

BLM Stipulations for Elk Calving Areas

WY BFO_CSU_ECWC4018

BLM Stipulations for Elk Crucial Winter Range and Elk Calving Areas

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY

BFO_CSU_SLOPES25to5010 06

BLM Stipulations for Slopes Greater than 25% and Less than

50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY

BFO_TLS_BGCWEC4017

BLM Stipulations for Big Game Crucial Winter Range

WY BFO_TLS_EC4017

BLM Stipulations for Elk Calving Areas

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
EOI# WY00017252

WY-2023-06-1357 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 43 N., R. 69 W., 6TH PM
Sec. 6 LOTS 8,9,14 thru 16,22;
Sec. 7 LOTS 5,12;
Sec. 8 LOTS 1 thru 3.
Campbell County
453.71 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_BGCW4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_CSU_ECWC4018

BLM Stipulations for Elk
Crucial Winter Range and Elk
Calving Areas

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_H5006

BLM Stipulations for Historic
Properties Setting

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation

Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status

Species

WY

BFO_TLS_BGCWEC4017

BLM Stipulations for Big Game
Crucial Winter Range

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks. Within 0.25-
mile radius of occupied leks
outside Priority Habitat

Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
EOI# WY00017249

WY-2023-06-1356 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 43 N., R. 69 W., 6TH PM

Sec. 8 LOTS 4.
Campbell County
40.48 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_BGCW4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_CSU_ECWC4018

BLM Stipulations for Elk
Crucial Winter Range and Elk
Calving Areas

WY BFO_CSU_H5006

BLM Stipulations for Historic
Properties Setting

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY

BFO_TLS_BGCWEC4017

BLM Stipulations for Big Game
Crucial Winter Range

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
EOI# WY00017253

WY-2023-06-1437 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 50 N., R. 69 W., 6TH PM

Sec. 23 LOTS 2 thru 4;

Sec. 25 LOTS 3,4

(EXCLUDING 11.97 AC IN RR
ROW WYW 0119068);

Sec. 25 LOTS 1;

Sec. 26 LOTS 1 thru 3;

Sec. 27 4 (EXCL 6.11 AC IN
RR ROW WYW0119068);

Sec. 28 LOTS 1;

Sec. 32 LOTS 3,4;

Sec. 34 LOTS 1 thru 3.

Campbell County

623.75 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY

BFO_CSU_GSGPHR4024

BLM Stipulations for Greater
Sage-Grouse Habitat

Restoration

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface
Waters and Associated Riparian
Habitats - 500 feet of springs,
reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY

BFO_TLS_PHMACORE4024

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats inside PHMA (Core
only)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017690

WY-2023-06-1438 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 51 N., R. 69 W., 6TH PM

Sec. 6 LOTS 11,12;

Sec. 7 LOTS 5, 6;

Sec. 9 LOTS 2 thru 5,7 thru 9;

Sec. 14 LOTS 1,2;

Sec. 14 SW1/4NE1/4;

Sec. 15 LOTS 3;

Sec. 23 LOTS 1 thru 4;

Sec. 24 LOTS 1;

Sec. 31 LOTS 5,9 thru 12;

Sec. 32 LOTS 1;

Sec. 33 LOTS 8,9.

Campbell County

1119.59 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY

BFO_CSU_SLOPES25to501006

BLM Stipulations for Slopes Greater than 25% and Less than 50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_LN_UW

BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities

WY BFO_TLS_STG4026

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017693

WY-2023-06-1439 Split Estate

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 53 N., R. 69 W., 6TH PM

Sec. 1 LOTS 5 thru 12;

Sec. 2 LOTS 5 thru 9;

Sec. 3 LOTS 5 thru 16;

Sec. 4 LOTS 11,18;

Sec. 6 LOTS 15;

Sec. 8 LOTS 6,7;

Sec. 10 LOTS 1,2,6;

Sec. 11 LOTS 1 thru 5,9;

Sec. 12 LOTS 1 thru 4.

Campbell County

1718.35 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY

BFO_CSU_GSGPHR4024

BLM Stipulations for Greater Sage-Grouse Habitat Restoration

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY

BFO_CSU_SLOPES25to501006

BLM Stipulations for Slopes Greater than 25% and Less than 50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes Greater than 50%

WY

BFO_TLS_PHMACORE4024

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)

WY BFO_TLS_STG4026

BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National

Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017697

WY-2023-06-1443 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 51 N., R. 71 W., 6TH PM

Sec. 11 LOTS 1 thru 6;
Sec. 12 LOTS 1, 3;
Sec. 13 LOTS 1 thru 6;
Sec. 14 LOTS 1 thru 11;
Sec. 15 LOTS 1;
Sec. 24 LOTS 1 thru 4.
Campbell County
1254.78 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface

Waters and Associated Riparian
Habitats - 500 feet of springs,
reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to

coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks. Within 0.25-
mile radius of occupied leks
outside Priority Habitat
Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017694

WY-2023-06-1364 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 57 N., R. 71 W., 6TH PM

Sec. 28 E1/2;
Sec. 29 SE1/4;
Sec. 31 LOTS 7,8;
Sec. 31 E1/2SW1/4;
Sec. 32 W1/2NE1/4, NW1/4;
Sec. 33 E1/2, SW1/4.

Campbell County

1359.91 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_TLS_STG4026

BLM Stipulations for Sharp-
Tailed Grouse Nesting Habitat

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
EOI# WY00017302,
WY00017301

WY-2023-06-1502 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 44 N., R. 72 W., 6TH PM

Sec. 25 LOTS 1,2,8.

Campbell County

118.07 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_LN_UW

BLM Lease Notice for
Unplugged Wellbore(s) and/or
other Facilities

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor
Nest (Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor
Nests (Special Status Species)

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017718

WY-2023-06-1569 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 45 N., R. 72 W., 6TH PM

Sec. 2 LOTS 5,12;

Sec. 5 LOTS 9;

Sec. 5 SE1/4NE1/4.

Campbell County

165.51 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface
Waters and Associated Riparian
Habitats - 500 feet of springs,
reservoirs, etc.

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic

Habitats - 500 feet
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor
 Nests (Non-Special Status
 Species)
WY
BFO_CSU_SLOPES25to5010
06
 BLM Stipulations for Slopes
 Greater than 25% and Less than
 50%
WY BFO_CSU_SLR1010
 BLM Stipulations for Limited
 Reclamation Potential Areas
WY BFO_CSU_SSWLA4034
 BLM Stipulations for
 Amphibian Species Breeding,
 Sheltering, and Hibernation
 Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife
 Habitat for Special Status
 Species
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor
 Nest (Special Status Species)
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor
 Nests (Non-Special Status
 Species)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor
 Nests (Special Status Species)
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to

coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater
 Sage-Grouse Winter
 Concentration Areas
 EOI# WY00017950

WY-2023-06-1412 Split Estate
 WY, Casper Field Office,
 Bureau of Land Management,
 PD
T. 40 N., R. 73 W., 6TH PM
 Sec. 15 S1/2SW1/4.
 Converse County
 80 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY CFO_TLS_MPN
 BLM Stipulations for Mountain
 Plover Nesting
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
 EOI# WY00017477

WY-2023-06-1570 Split Estate
 WY, Buffalo Field Office,
 Bureau of Land Management,
 PD
T. 45 N., R. 73 W., 6TH PM
 Sec. 4 LOTS 9,10,15,18;
 Sec. 9 LOTS 1 thru 8;
 Sec. 13 LOTS 9 thru 16.
 Campbell County
 800.86 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY BFO_CSU_FQM4013
 BLM Stipulations for Fish
 Populations and Habitat
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor
 Nests (Non-Special Status
 Species)
WY BFO_CSU_SSWLA4034
 BLM Stipulations for
 Amphibian Species Breeding,
 Sheltering, and Hibernation
 Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife
 Habitat for Special Status
 Species
WY BFO_LN_UW
 BLM Lease Notice for
 Unplugged Wellbore(s) and/or
 other Facilities
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor
 Nest (Special Status Species)
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor
 Nests (Non-Special Status
 Species)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor
 Nests (Special Status Species)
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to

Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017951

WY-2023-06-1421 Split Estate

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 40 N., R. 74 W., 6TH PM

Sec. 1 S1/2NE1/4, S1/2NW1/4,
SW1/4;

Sec. 2 S1/2NE1/4,
SE1/4NW1/4, S1/2.

Converse County

760 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CFO_TLS_NR

BLM Stipulations for Nesting
Raptors

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to

Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017416,

WY00017421

WY-2023-06-1541 Split Estate

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 40 N., R. 74 W., 6TH PM

Sec. 11 S1/2NE1/4,
NE1/4NW1/4, N1/2SE1/4.

Converse County

200 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CFO_TLS_NR

BLM Stipulations for Nesting
Raptors

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017886

WY-2023-06-1400

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 40 N., R. 74 W., 6TH PM

Sec. 13 NW1/4NE1/4.

Converse County

40 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nesting

WY CFO_TLS_NR

BLM Stipulations for Nesting
Raptors

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00017430

WY-2023-06-1544 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 41 N., R. 74 W., 6TH PM

Sec. 14 LOTS 16.

Campbell County

40.7 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor
Nest (Special Status Species)

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor
Nests (Special Status Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017887

WY-2023-06-1525 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 51 N., R. 74 W., 6TH PM

Sec. 23 LOTS 13,14;

Sec. 26 LOTS 3 thru 6,10,11;

Sec. 27 LOT 13 (EXCL 7.29

AC IN RR ROW

WYW1190868);

Sec. 27 LOTS 1,2,7,8,14,15;

Sec. 27 SW1/4NE1/4;

Sec. 34 LOT 2 (EXCL 8.24 AC
RR ROW WYW119068);

Sec. 34 LOT 7 (EXCL 2.53 AC
RR ROW WYW119068);

Sec. 34 LOT 8 (EXCL 6.93 AC
RR ROW WYW119068 &

15.26 IN RR STATION

WYW119069).

Campbell County

745.92 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface
Waters and Associated Riparian
Habitats - 500 feet of springs,
reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_LN_UW

BLM Lease Notice for
Unplugged Wellbore(s) and/or
other Facilities

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes
Greater than 50%

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_GHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017695

WY-2023-06-1772
WY, Casper Field Office,
Bureau of Land Management,
PD
T. 39 N., R. 75 W., 6TH PM
Sec. 3 SE1/4NE1/4.
Converse County
40 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY CFO_CSU_BT3
BLM Stipulations for Bozeman

Trail Cultural and Scenic Values
WY CFO_TLS_NR
BLM Stipulations for Nesting
Raptors
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017884

WY-2023-06-1562 Split Estate
WY, Casper Field Office,
Bureau of Land Management,
PD
T. 39 N., R. 75 W., 6TH PM
Sec. 24 NE1/4SW1/4.
Converse County
40 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY CFO_CSU_BT3
BLM Stipulations for Bozeman

Trail Cultural and Scenic Values
WY CFO_TLS_NR
BLM Stipulations for Nesting
Raptors
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017884

WY-2023-06-1405 Split Estate
WY, Casper Field Office,
Bureau of Land Management,
PD
T. 41 N., R. 75 W., 6TH PM
Sec. 35 ALL.
Converse County
640 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY CFO_CSU_BT3
BLM Stipulations for Bozeman

Trail Cultural and Scenic Values
WY CFO_CSU_BTQTRM
BLM Stipulations for Bozeman
Trail Cultural and Scenic Values
WY CFO_TLS_NR

BLM Stipulations for Nesting
Raptors

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
EOI# WY00017449

WY-2023-06-1529 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 43 N., R. 75 W., 6TH PM

Sec. 6 SW1/4NE1/4;

Sec. 7 LOTS 2;

Sec. 8 E1/2;

Sec. 22 W1/2.

Campbell County

722.64 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_BEGE4028

BLM Stipulations for Bald and
Golden Eagle Winter Roosting
Habitat

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_CSU_VRMII5005

BLM Stipulations for Visual
Resource Management Class II
Areas

WY BFO_NSO_BEGE4028

BLM Stipulations for Bald or
Golden Eagle Winter Roosts

WY BFO_NSO_H5006

BLM Stipulations for Historic
Properties

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes
Greater than 50%

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor
Nest (Special Status Species)

WY BFO_NSO_TCP5011

BLM Stipulations for
Traditional Cultural Properties

WY BFO_TLS_EWR4028

BLM Stipulations for Eagle
Winter Roosts

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor
Nests (Special Status Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks. Within 0.25-
mile radius of occupied leks
outside Priority Habitat
Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017853

WY-2023-06-1568 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 44 N., R. 75 W., 6TH PM

Sec. 7 LOTS 15,16.

Campbell County

82.02 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY BFO_CSU_H5006

BLM Stipulations for Historic Properties Setting

WY BFO_CSU_PD4009

BLM Stipulations for Prairie Dog Colonies

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_CSU_VRMII5005

BLM Stipulations for Visual Resource Management Class II Areas

WY BFO_LN_UW

BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor

Nest (Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor Nests (Special Status Species)

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017949

WY-2023-06-1567 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 44 N., R. 75 W., 6TH PM

Sec. 12 LOTS 9,10,15,16.

Campbell County

156.46 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_LN_UW

BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017948

WY-2023-06-1731 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 44 N., R. 75 W., 6TH PM
Sec. 18 LOTS 5 thru 12, 15 thru
18.

Campbell County

424.26 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_H5006

BLM Stipulations for Historic
Properties Setting

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface
Waters and Associated Riparian
Habitats - 500 feet of springs,
reservoirs, etc.

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_CSU_VRMII5005

BLM Stipulations for Visual
Resource Management Class II
Areas

WY BFO_LN_UW

BLM Lease Notice for
Unplugged Wellbore(s) and/or
other Facilities

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor
Nest (Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor
Nests (Special Status Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks. Within 0.25-
mile radius of occupied leks
outside Priority Habitat
Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00018395

WY-2023-06-1481 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 45 N., R. 75 W., 6TH PM
Sec. 27 LOTS 6.

Campbell County

39.78 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor
Nest (Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor
Nests (Special Status Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017678

WY-2023-06-1480 Split Estate
WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 46 N., R. 75 W., 6TH PM

Sec. 15 LOTS 9.

Campbell County

40.49 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_FQM4013

BLM Stipulations for Fish
Populations and Habitat

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian
Systems, Wetlands and Aquatic
Habitats - 500 feet

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for

Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017679

WY-2023-06-1512 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 51 N., R. 77 W., 6TH PM

Sec. 13 LOTS 2 thru 12;

Sec. 13 W1/2;

Sec. 14 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 23 W1/2NW1/4,
W1/2SW1/4;

Sec. 24 LOTS 1 thru 12;

Sec. 24 E1/2NW1/4,
NE1/4SW1/4.

Johnson County

1891.67 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_BGCW4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_CSU_EC4017

BLM Stipulations for Elk
Calving Areas

WY BFO_CSU_ECWC4018

BLM Stipulations for Elk
Crucial Winter Range and Elk
Calving Areas

WY BFO_CSU_FCR4023

BLM Stipulations for
Fortification Creek RMP
Amendment Performance
Standards

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes
Greater than 50%

WY

BFO_TLS_BGCWEC4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_TLS_EC4017

BLM Stipulations for Elk
Calving Areas

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017747

WY-2023-06-1458 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 52 N., R. 77 W., 6TH PM

Sec. 25 LOTS 12;
Sec. 35 N1/2, N1/2SW1/4,
SE1/4SW1/4, SE1/4;
Sec. 36 LOTS 1,5 thru 8.

Johnson County

668.54 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY BFO_CSU_BGCW4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_CSU_EC4017

BLM Stipulations for Elk
Calving Areas

WY BFO_CSU_ECWC4018

BLM Stipulations for Elk
Crucial Winter Range and Elk
Calving Areas

WY BFO_CSU_FCR4023

BLM Stipulations for
Fortification Creek RMP
Amendment Performance
Standards

WY BFO_CSU_FQM4013

BLM Stipulations for Fish

Populations and Habitat

WY BFO_CSU_PD4009

BLM Stipulations for Prairie
Dog Colonies

WY BFO_CSU_RN4028

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

WY BFO_CSU_SE1004

BLM Stipulations for Severe
Erosion Hazard

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited
Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for
Amphibian Species Breeding,
Sheltering, and Hibernation
Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes
Greater than 50%

WY

BFO_TLS_BGCWEC4017

BLM Stipulations for Big Game
Crucial Winter Range

WY BFO_TLS_EC4017

BLM Stipulations for Elk
Calving Areas

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor
Nests (Non-Special Status
Species)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National

Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017696

WY-2023-06-1361 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 57 N., R. 77 W., 6TH PM

Sec. 8 LOTS 7.

Sheridan County

0.3 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY

**BFO_CSU_SLOPES25to5010
06**

BLM Stipulations for Slopes
Greater than 25% and Less than
50%

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat
Species Breeding, Nursery,
Roosting, and Hibernation
Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife
Habitat for Special Status
Species

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor Nest (Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor Nests (Special Status Species)

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00017297

WY-2023-06-1352 Split Estate

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 43 N., R. 78 W., 6TH PM

Sec. 14 ALL;

Sec. 15 ALL.

Johnson County

1280 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian

Habitats - 500 feet of springs, reservoirs, etc.

WY BFO_CSU_PD4009

BLM Stipulations for Prairie Dog Colonies

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet

WY BFO_CSU_RN4028

BLM Stipulations for Raptor Nests (Non-Special Status Species)

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY**BFO_CSU_SLOPES25to501006**

BLM Stipulations for Slopes Greater than 25% and Less than 50%

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_LN_UW

BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor Nest (Special Status Species)

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor Nests (Non-Special Status Species)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor Nests (Special Status Species)

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
EOI# WY00017194

WY-2023-06-1542 Split Estate

WY, Buffalo Field Office, Bureau of Land Management, PD

T. 49 N., R. 79 W., 6TH PM

Sec. 29 LOTS 1 thru 16;

Sec. 33 LOTS 1 thru 16;

Sec. 34 LOTS 3 thru 6, 11 thru 14.

Johnson County

1591.18 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY**BFO_CSU_GSGPHR4024**

BLM Stipulations for Greater Sage-Grouse Habitat Restoration

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian

Habitats - 500 feet of springs, reservoirs, etc.
WY BFO_CSU_R500F4009
 BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_LN_UW
 BLM Lease Notice for Unplugged Wellbore(s) and/or other Facilities
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_TLS_PHMACORE4024
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple

Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease.
 Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
 BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_NSO_PHMAL
 BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas
WY SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017889

WY-2023-06-1464 Split Estate
 WY, Buffalo Field Office, Bureau of Land Management, PD
T. 50 N., R. 79 W., 6TH PM
 Sec. 18 LOTS 1 thru 4;
 Sec. 18 SE1/4NW1/4, NE1/4SW1/4;
 Sec. 19 SE1/4SE1/4.
 Johnson County
 264.2 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_BEGE4028
 BLM Stipulations for Bald and Golden Eagle Winter Roosting

Habitat
WY BFO_CSU_FQM4013
 BLM Stipulations for Fish Populations and Habitat
WY BFO_CSU_GSGPHR4024
 BLM Stipulations for Greater Sage-Grouse Habitat Restoration
WY BFO_CSU_H20500F1014
 BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.
WY BFO_CSU_PD4009
 BLM Stipulations for Prairie Dog Colonies
WY BFO_CSU_R500F4009
 BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle Winter Roosts
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_TLS_PHMACORE4024
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017692,
WY00017691

WY-2023-06-1571

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 20 N., R. 80 W., 6TH PM

Sec. 14 E1/2NE1/4, E1/2SE1/4;
Sec. 24 NW1/4;
Sec. 26 NE1/4.

Carbon County

480 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_OT

BLM Stipulations for Overland
Trail (protecting historic and
visual values)

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_NSO_HTRAILS

BLM Stipulations for Historic
Trails w/in 1/4 mile of
contributing segments

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act

requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017952

WY-2023-06-1511 Split Estate

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 39 N., R. 80 W., 6TH PM

Sec. 31 LOTS 3, 4;
Sec. 31 E1/2, E1/2NW1/4,
E1/2SW1/4.

Natrona County

572.56 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater

Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017730

WY-2023-06-1465 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 43 N., R. 80 W., 6TH PM

Sec. 7 LOTS 1 thru 3;
Sec. 7 NE1/4, SE1/4SE1/4,
N1/2SE1/4;
Sec. 8 ALL;
Sec. 17 N1/2, N1/2SE1/4,
SW1/4SE1/4;
Sec. 18 LOTS 1, 2;
Sec. 18 NE1/4NE1/4,
SE1/4SE1/4.
Johnson County
1649.25 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_BEGE4028

BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY

BFO_CSU_GSGPHR4024

BLM Stipulations for Greater Sage-Grouse Habitat Restoration

WY BFO_CSU_H5006

BLM Stipulations for Historic Properties Setting

WY BFO_CSU_RN4028

BLM Stipulations for Raptor Nests (Non-Special Status Species)

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY

BFO_CSU_SLOPES25to501006

BLM Stipulations for Slopes Greater than 25% and Less than 50%

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_CSU_VRMII5005

BLM Stipulations for Visual Resource Management Class II Areas

WY BFO_NSO_BEGE4028

BLM Stipulations for Bald or Golden Eagle Winter Roosts

WY BFO_NSO_H5006

BLM Stipulations for Historic Properties

WY BFO_NSO_Slopes501006

BLM Stipulations for Slopes Greater than 50%

WY BFO_TLS_EWR4028

BLM Stipulations for Eagle Winter Roosts

WY BFO_TLS_NSSRN4030

BLM Stipulations for Raptor Nests (Non-Special Status Species)

WY

BFO_TLS_PHMACORE4024

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for

Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017673

WY-2023-06-7246 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 43 N., R. 80 W., 6TH PM

Sec. 10 N1/2, SW1/4;
Sec. 11 E1/2, NE1/4NW1/4,
E1/2SW1/4;
Sec. 13 N1/2NE1/4,
N1/2NW1/4, SW1/4NW1/4;
Sec. 14 NE1/4, E1/2NW1/4.
Johnson County
1360 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered

Species Act
WY BFO_CSU_BEGE4028
 BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat
WY
BFO_CSU_GSGPHR4024
 BLM Stipulations for Greater Sage-Grouse Habitat Restoration
WY BFO_CSU_H5006
 BLM Stipulations for Historic Properties Setting
WY BFO_CSU_PD4009
 BLM Stipulations for Prairie Dog Colonies
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY
BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLB4034
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_CSU_VRMII5005
 BLM Stipulations for Visual Resource Management Class II Areas
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle Winter Roosts
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY
BFO_TLS_PHMACORE4024
 BLM Stipulations for Greater

Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
 BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017674

WY-2023-06-1477 Split Estate
 WY, Buffalo Field Office, Bureau of Land Management, PD
T. 43 N., R. 80 W., 6TH PM
 Sec. 19 E1/2NE1/4;
 Sec. 21 NW1/4SE1/4, S1/2SE1/4;
 Sec. 28 NE1/4, S1/2NW1/4, NE1/4SW1/4, N1/2SE1/4;
 Sec. 29 SW1/4NE1/4, S1/2;

Sec. 30 LOTS 2 thru 4;
 Sec. 30 SE1/4;
 Sec. 32 W1/2NE1/4, NW1/4, N1/2SW1/4, SE1/4SW1/4, NW1/4SE1/4.
 Johnson County
 1612.62 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_BEGE4028
 BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat
WY BFO_CSU_FQM4013
 BLM Stipulations for Fish Populations and Habitat
WY BFO_CSU_H5006
 BLM Stipulations for Historic Properties Setting
WY BFO_CSU_H20500F1014
 BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.
WY BFO_CSU_R500F4009
 BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_CSU_SE1004
 BLM Stipulations for Severe Erosion Hazard
WY
BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLB4034

BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_CSU_VRMII5005
 BLM Stipulations for Visual Resource Management Class II Areas
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_NSO_Slopes501006
 BLM Stipulations for Slopes Greater than 50%
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor Nest (Special Status Species)
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle Winter Roosts
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor Nests (Special Status Species)
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017676

WY-2023-06-1475 Split Estate
 WY, Buffalo Field Office, Bureau of Land Management, PD
T. 43 N., R. 80 W., 6TH PM
 Sec. 22 S1/2SW1/4, SE1/4;
 Sec. 26 S1/2NW1/4, S1/2;
 Sec. 27 SE1/4;
 Sec. 28 NW1/4SW1/4, S1/2SW1/4, S1/2SE1/4;
 Sec. 32 E1/2NE1/4;
 Sec. 33 N1/2NE1/4, SW1/4NE1/4, N1/2NW1/4, SE1/4NW1/4;
 Sec. 34 N1/2NE1/4, N1/2NW1/4;
 Sec. 35 N1/2.
 Johnson County
 1800 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_BEGE4028
 BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat
WY BFO_CSU_FQM4013
 BLM Stipulations for Fish Populations and Habitat
WY BFO_CSU_H5006
 BLM Stipulations for Historic Properties Setting
WY BFO_CSU_R500F4009
 BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet
WY BFO_CSU_RN4028
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_CSU_SE1004
 BLM Stipulations for Severe Erosion Hazard

WY
BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLB4034
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_NSO_Slopes501006
 BLM Stipulations for Slopes Greater than 50%
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor Nest (Special Status Species)
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle Winter Roosts
WY BFO_TLS_NSSRN4030
 BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor Nests (Special Status Species)
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017675

WY-2023-06-1462 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 49 N., R. 80 W., 6TH PM
Sec. 2 W1/2SE1/4.

Johnson County

80 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_BEGE4028

BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat

WY BFO_CSU_FQM4013

BLM Stipulations for Fish Populations and Habitat

WY

BFO_CSU_GSGPHR4024

BLM Stipulations for Greater Sage-Grouse Habitat Restoration

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.

WY BFO_CSU_R500F4009

BLM Stipulations for Riparian Systems, Wetlands and Aquatic Habitats - 500 feet

WY BFO_CSU_SE1004

BLM Stipulations for Severe Erosion Hazard

WY

BFO_CSU_SLOPES25to501006

BLM Stipulations for Slopes Greater than 25% and Less than 50%

WY BFO_CSU_SLR1010

BLM Stipulations for Limited Reclamation Potential Areas

WY BFO_CSU_SSWLA4034

BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat

WY BFO_CSU_SSWLH4007

BLM Stipulations for Wildlife Habitat for Special Status Species

WY BFO_NSO_BEGE4028

BLM Stipulations for Bald or Golden Eagle Winter Roosts

WY BFO_NSO_SSRN4032

BLM Stipulations for Raptor Nest (Special Status Species)

WY BFO_TLS_EWR4028

BLM Stipulations for Eagle Winter Roosts

WY

BFO_TLS_PHMACORE4024

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats inside PHMA (Core only)

WY BFO_TLS_SSRN4030

BLM Stipulations for Raptor Nests (Special Status Species)

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017691

WY-2023-06-1484 Split Estate

WY, Buffalo Field Office,
Bureau of Land Management,
PD

T. 49 N., R. 81 W., 6TH PM

Sec. 6 LOTS 1,3;

Sec. 6 S1/2NE1/4,

SE1/4NW1/4, E1/2SW1/4, SE1/4;

Sec. 7 LOTS 4;

Sec. 7 N1/2NE1/4,

NE1/4NW1/4.

Johnson County

600.02 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY BFO_CSU_H5006

BLM Stipulations for Historic Properties Setting

WY BFO_CSU_H20500F1014

BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.

WY BFO_CSU_PD4009

BLM Stipulations for Prairie Dog Colonies

WY BFO_CSU_RN4028

BLM Stipulations for Raptor Nests (Non-Special Status Species)

WY BFO_CSU_SE1004
BLM Stipulations for Severe Erosion Hazard
WY BFO_CSU_SLOPES25to501006
BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_SSRN4032
BLM Stipulations for Raptor Nest (Special Status Species)
WY BFO_TLS_NSSRN4030
BLM Stipulations for Raptor Nests (Non-Special Status Species)
WY BFO_TLS_SSRN4030
BLM Stipulations for Raptor Nests (Special Status Species)
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

EOI# WY00017680
WY-2023-06-1483 Split Estate
WY, Buffalo Field Office, Bureau of Land Management, PD
T. 49 N., R. 81 W., 6TH PM
Sec. 19 LOTS 4;
Sec. 19 N1/2SE1/4, SW1/4SE1/4;
Sec. 30 LOTS 1;
Sec. 30 NW1/4NE1/4, NE1/4NW1/4.
Johnson County
279.45 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_H5006
BLM Stipulations for Historic Properties Setting
WY BFO_CSU_H20500F1014
BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.
WY BFO_CSU_SLOPES25to501006
BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_H5006
BLM Stipulations for Historic Properties
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to

Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017681
WY-2023-06-7247 Split Estate
WY, Buffalo Field Office, Bureau of Land Management, PD
T. 50 N., R. 81 W., 6TH PM
Sec. 21 NE1/4, N1/2SE1/4, SW1/4SE1/4;
Sec. 22 W1/2NE1/4, W1/2, SE1/4;
Sec. 23 E1/2;
Sec. 24 SW1/4, S1/2SE1/4;
Sec. 31 LOTS 4;
Sec. 31 SE1/4NE1/4, SE1/4SW1/4, S1/2SE1/4.
Johnson County
1600.01 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_BEGE4028
BLM Stipulations for Bald and

Golden Eagle Winter Roosting Habitat
WY
BFO_CSU_GSGPHR4024
 BLM Stipulations for Greater Sage-Grouse Habitat Restoration
WY BFO_CSU_H5006
 BLM Stipulations for Historic Properties Setting
WY BFO_CSU_H20500F1014
 BLM Stipulations for Surface Waters and Associated Riparian Habitats - 500 feet of springs, reservoirs, etc.
WY BFO_CSU_PD4009
 BLM Stipulations for Prairie Dog Colonies
WY BFO_CSU_SE1004
 BLM Stipulations for Severe Erosion Hazard
WY
BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SLR1010
 BLM Stipulations for Limited Reclamation Potential Areas
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLB4034
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor Nest (Special Status Species)
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle Winter Roosts
WY
BFO_TLS_PHMACORE4024
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting

and Early Brood-Rearing Habitats inside PHMA (Core only)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor Nests (Special Status Species)
WY BFO_TLS_STG4026
 BLM Stipulations for Sharp-Tailed Grouse Nesting Habitat
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease.
 Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
 BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_GHMA
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017682

WY-2023-06-1463 Split Estate
 WY, Buffalo Field Office,
 Bureau of Land Management,
 PD
T. 51 N., R. 81 W., 6TH PM
 Sec. 8 SW1/4NE1/4,

E1/2NW1/4, E1/2SW1/4,
 W1/2SE1/4;
 Sec. 14 SE1/4NE1/4,
 NE1/4SE1/4;
 Sec. 17 NE1/4NW1/4;
 Sec. 23 S1/2NE1/4.
 Johnson County
 480 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY BFO_CSU_BEGE4028
 BLM Stipulations for Bald and Golden Eagle Winter Roosting Habitat
WY
BFO_CSU_GSGPHR4024
 BLM Stipulations for Greater Sage-Grouse Habitat Restoration
WY BFO_CSU_SE1004
 BLM Stipulations for Severe Erosion Hazard
WY
BFO_CSU_SLOPES25to501006
 BLM Stipulations for Slopes Greater than 25% and Less than 50%
WY BFO_CSU_SSWLA4034
 BLM Stipulations for Amphibian Species Breeding, Sheltering, and Hibernation Habitat
WY BFO_CSU_SSWLB4034
 BLM Stipulations for Bat Species Breeding, Nursery, Roosting, and Hibernation Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife Habitat for Special Status Species
WY BFO_NSO_BEGE4028
 BLM Stipulations for Bald or Golden Eagle Winter Roosts
WY BFO_NSO_Slopes501006
 BLM Stipulations for Slopes

Greater than 50%
WY BFO_NSO_SSRN4032
 BLM Stipulations for Raptor
 Nest (Special Status Species)
WY BFO_TLS_BEN4026
 BLM Stipulations for Bald
 Eagle Nests
WY BFO_TLS_EWR4028
 BLM Stipulations for Eagle
 Winter Roosts
WY
BFO_TLS_PHMACORE4024
 BLM Stipulations for Greater
 Sage-Grouse Breeding, Nesting
 and Early Brood-Rearing
 Habitats inside PHMA (Core
 only)
WY BFO_TLS_SSRN4030
 BLM Stipulations for Raptor
 Nests (Special Status Species)
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_CSU_PHMA
 BLM Stipulations for Greater
 Sage-Grouse Priority Habitat
 Management Areas (PHMAs) -
 Core Only
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater
 Sage-Grouse Winter
 Concentration Areas
 EOI# WY00017683
WY-2023-06-1362

WY, Buffalo Field Office,
 Bureau of Land Management,
 PD
T. 58 N., R. 85 W., 6TH PM
 Sec. 23 NE1/4SE1/4.
 Sheridan County
 40 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY BFO_CSU_H20500F1014
 BLM Stipulations for Surface
 Waters and Associated Riparian
 Habitats - 500 feet of springs,
 reservoirs, etc.
WY BFO_CSU_SE1004
 BLM Stipulations for Severe
 Erosion Hazard
WY
BFO_CSU_SLOPES25to5010
06
 BLM Stipulations for Slopes
 Greater than 25% and Less than
 50%
WY BFO_CSU_SSWLB4034
 BLM Stipulations for Bat
 Species Breeding, Nursery,
 Roosting, and Hibernation
 Habitat
WY BFO_CSU_SSWLH4007
 BLM Stipulations for Wildlife
 Habitat for Special Status
 Species
WY BFO_NSO_Slopes501006
 BLM Stipulations for Slopes
 Greater than 50%
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3

BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
 EOI# WY00017298
WY-2023-06-1497 Split Estate
 WY, Rawlins Field Office,
 Bureau of Land Management,
 PD
T. 25 N., R. 88 W., 6TH PM
 Sec. 26 SE1/4;
 Sec. 35 E1/2.
 Carbon County
 480 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY RFO_CSU_AR
 BLM Stipulations for
 Amphibians and Reptiles
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMA

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an

occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017837

WY-2023-06-1498 Split Estate

WY, Casper Field Office, Bureau of Land Management, PD

T. 35 N., R. 88 W., 6TH PM

Sec. 27 SE1/4;

Sec. 35 SW1/4, S1/2NW1/4.

Natrona County

400 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY CFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017835

WY-2023-06-1499 Split Estate

WY, Casper Field Office, Bureau of Land Management, PD

T. 35 N., R. 88 W., 6TH PM

Sec. 27 SW1/4;

Sec. 34 W1/2.

Natrona County

480 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National

Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017836

WY-2023-06-1530

WY, Casper Field Office, Bureau of Land Management, PD

T. 35 N., R. 88 W., 6TH PM

Sec. 34 SE1/4.

Natrona County

160 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to

Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017856

WY-2023-06-1365

WY, Casper Field Office,
Bureau of Land Management,
PD

T. 34 N., R. 89 W., 6TH PM

Sec. 2 LOTS 1,2;

Sec. 2 S1/2NE1/4,

SE1/4NW1/4, N1/2SE1/4,
SE1/4SE1/4.

Natrona County

318.8 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for

Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017337

WY-2023-06-1501 Split Estate

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 91 W., 6TH PM

Sec. 28 W1/2SW1/4;

Sec. 29 SE1/4, E1/2SW1/4;

Sec. 30 W1/2, SE1/4;

Sec. 31 LOTS 5 thru 10;

Sec. 31 N1/2NE1/4,
N1/2SW1/4;

Sec. 32 LOTS 1 thru 3;

Sec. 32 N1/2NE1/4,
NE1/4NW1/4;

Sec. 33 LOTS 4,5;

Sec. 34 LOTS 4, 5.

Carbon County

1591.38 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_CSU_RTBR

BLM Stipulations for Rawlins to
Baggs Road (historic and visual
values)

WY RFO_LN_BGCWC

BLM Lease Notice for Big
Game Crucial Winter Range
and/or Identified Migration
Corridors

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

WY Std Special Lease Notice

BLM Lease Notice for Big
Game Migration

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple

Mineral Development
WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017719

WY-2023-06-1470

WY, Worland Field Office, Bureau of Land Management, PD

T. 46 N., R. 91 W., 6TH PM

Sec. 1 LOTS 7,10,15;
Sec. 1 SE1/4NW1/4, S1/2SE1/4;
Sec. 11 N1/2SE1/4;
Sec. 12 ALL.
Washakie County
942.25 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
WY WFO_NSO_H2O500F

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas
EOI# WY00017662

WY-2023-06-7248

WY, Worland Field Office, Bureau of Land Management, PD

T. 46 N., R. 91 W., 6TH PM

Sec. 2 S1/2SW1/4;
Sec. 3 LOTS 5 thru 16;
Sec. 3 S1/2NE1/4, S1/2NW1/4, S1/2;
Sec. 10 ALL;
Sec. 15 ALL.

Washakie County

2249.08 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National

Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
WY WFO_NSO_H2O500F

BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

WY WFO_TLS_RN

BLM Stipulations for Raptor Nests
EOI# WY00017663

WY-2023-06-1353

WY, Worland Field Office, Bureau of Land Management, PD

T. 46 N., R. 91 W., 6TH PM

Sec. 13 ALL;

Sec. 14 ALL.

Washakie County

1280 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for

Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY WFO_NSO_H2O500F
BLM Stipulations for Surface
Water, Riparian/Wetland Areas,
and Playas
WY WFO_TLS_RN
BLM Stipulations for Raptor
Nests
EOI# WY00017179

WY-2023-06-7249
WY, Rawlins Field Office,
Bureau of Land Management,
PD
T. 13 N., R. 92 W., 6TH PM
Sec. 6 LOTS 8 thru 11;
Sec. 6 NE1/4, E1/2NW1/4,
E1/2SW1/4, N1/2SE1/4.
Carbon County
547.04 Acres
Stipulations:

HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RFO_CSU_AR
BLM Stipulations for
Amphibians and Reptiles
WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests
WY RFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017686

WY-2023-06-1503
WY, Rawlins Field Office,
Bureau of Land Management,
PD
T. 15 N., R. 92 W., 6TH PM
Sec. 3 LOTS 5 thru 8;
Sec. 3 SE1/4NE1/4,
NW1/4SW1/4, S1/2SW1/4,
NE1/4SE1/4, S1/2SE1/4;
Sec. 10 NE1/4, SW1/4;
Sec. 11 E1/2, NW1/4NW1/4,
S1/2NW1/4, SW1/4;
Sec. 13 LOTS 1,4;
Sec. 15 S1/2NW1/4, SE1/4.
Carbon County
1616.76 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RFO_CSU_AR
BLM Stipulations for
Amphibians and Reptiles
WY RFO_CSU_RN
BLM Stipulations for Raptor
Nests
WY RFO_CSU_RTBR
BLM Stipulations for Rawlins to
Baggs Road (historic and visual
values)
WY RFO_NSO_HTRAILS
BLM Stipulations for Historic
Trails w/in 1/4 mile of
contributing segments
WY RFO_TLS_BGCW
BLM Stipulations for Big Game
Crucial Winter Range
WY RFO_TLS_MPN
BLM Stipulations for Mountain
Plover Nests
WY RFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater

Sage-Grouse Winter
Concentration Areas
EOI# WY00017717

WY-2023-06-1517

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 92 W., 6TH PM

Sec. 4 LOTS 9 thru 20;

Sec. 4 S1/2;

Sec. 5 LOTS 9 thru 20;

Sec. 5 W1/2SW1/4.

Carbon County

1369.34 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY Std Special Lease Notice
II**

BLM Lease Notice for Big
Game Migration

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks. Within 0.25-
mile radius of occupied leks
outside Priority Habitat

Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an

occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017715

WY-2023-06-1516

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 92 W., 6TH PM

Sec. 10 ALL;

Sec. 15 ALL.

Carbon County

1280 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY Std Special Lease Notice
II**

BLM Lease Notice for Big
Game Migration

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_NSO_GHMAL

BLM Stipulations for Greater
Sage-Grouse Leks Seasonal
Priority Habitat Management

Areas (PMAs) - Core and
Connectivity

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an

occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017715

WY-2023-06-1500

WY, Rawlins Field Office,

Bureau of Land Management,
PD
T. 24 N., R. 92 W., 6TH PM
Sec. 1 LOTS 1 thru 4;
Sec. 1 S1/2NE1/4, S1/2NW1/4;
Sec. 2 LOTS 1 thru 4;
Sec. 2 S1/2NW1/4, N1/2SW1/4,
SE1/4;
Sec. 25 ALL;
Sec. 26 ALL.
Sweetwater County
2075.3 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RFO_CSU_AR
BLM Stipulations for
Amphibians and Reptiles
WY RFO_CSU_RN
BLM Stipulations for Raptor
Nests
WY RFO_TLS_MPN
BLM Stipulations for Mountain
Plover Nests
WY RFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for

Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017706

WY-2023-06-1479
WY, Worland Field Office,
Bureau of Land Management,
PD
T. 47 N., R. 92 W., 6TH PM
Sec. 1 LOTS 1 thru 4;
Sec. 1 S1/2NE1/4, S1/2NW1/4,
S1/2;
Sec. 11 NE1/4, N1/2NW1/4,
SW1/4NW1/4, S1/2;
Sec. 12 N1/2, SW1/4;
Sec. 14 S1/2;
Sec. 35 N1/2NE1/4.
Washakie County
2119.42 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
**WY STD LEASE NOTICE
1041**
BLM Stipulations for water
monitoring plans
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
WY WFO_NSO_H2O500F
BLM Stipulations for Surface
Water, Riparian/Wetland Areas,
and Playas
WY WFO_TLS_BGCW
BLM Stipulations for Big Game
on Crucial Winter Range
EOI# WY00017660

WY-2023-06-1485 Split Estate
WY, Worland Field Office,
Bureau of Land Management,
PD
T. 47 N., R. 92 W., 6TH PM
Sec. 7 NE1/4NW1/4;
Sec. 21 E1/2;
Sec. 22 SW1/4NW1/4,
NW1/4SW1/4;
Sec. 27 W1/2;
Sec. 28 E1/2, SE1/4SW1/4.
Washakie County
1120 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
1041**

BLM Stipulations for water monitoring plans

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

WY WFO_CSU_PW
BLM Stipulations for Water Resources and Public Water Supplies

WY WFO_CSU_T2M
BLM Stipulations for Other Historic Trails

**WY
WFO_NSO_BHRHMP/RAMP**
P

BLM Stipulations for Resources within the Bighorn River HMP/RAMP tracts.

WY WFO_NSO_H2O500F
BLM Stipulations for Surface Water, Riparian/Wetland Areas, and Playas

WY WFO_TLS_BGCW
BLM Stipulations for Big Game on Crucial Winter Range

WY WFO_TLS_RN
BLM Stipulations for Raptor Nests
EOI# WY00017661

WY-2023-06-1496

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 12 N., R. 95 W., 6TH PM

Sec. 2 S1/2;
Sec. 3 S1/2SE1/4;
Sec. 17 SE1/4SE1/4;
Sec. 20 LOTS 4;
Sec. 21 LOTS 5,6.
Sweetwater County

Stipulations:
HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_CT

BLM Stipulations for Cherokee Trail (historic and visual values)

WY RFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017704

WY-2023-06-1543

WY, Lander Field Office,
Bureau of Land Management,
PD

T. 33 N., R. 95 W., 6TH PM

Sec. 15 ALL;
Sec. 22 E1/2NW1/4,
E1/2SW1/4;
Sec. 27 N1/2NE1/4,
SE1/4NE1/4.

Fremont County
920 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY LFO_CSU_LRPS1013

BLM Stipulations for Limited Reclamation Potential Soils

WY LFO_CSU_PYFC5058

BLM Stipulations for Fossil Resources

WY

LFO_CSU_S15TO24P1014

BLM Stipulations for Slopes between 15 and 24 Percent

WY LFO_NSO_2031

BLM Stipulations for Native America Cultural Resource Sites

WY LFO_NSO_5050

BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties

WY LFO_NSO_PSW4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

WY

LFO_NSO_PSWDDA4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas

Within Designated Development Areas

WY LFO_NSO_SG25P1014

BLM Stipulations for Slopes Greater than 25 Percent

WY LFO_TLS_RN4071

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017862

WY-2023-06-1538

WY, Lander Field Office,
Bureau of Land Management,
PD

T. 33 N., R. 95 W., 6TH PM

Sec. 19 LOTS 1 thru 4;

Sec. 19 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 20 W1/2;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4.

Fremont County

1608.52 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY LFO_CSU_LRPS1013

BLM Stipulations for Limited Reclamation Potential Soils

WY LFO_CSU_PYFC5058

BLM Stipulations for Fossil Resources

WY

LFO_CSU_S15TO24P1014

BLM Stipulations for Slopes between 15 and 24 Percent

WY LFO_NSO_2031

BLM Stipulations for Native America Cultural Resource Sites

WY LFO_NSO_5050

BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties

WY LFO_NSO_PSW4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

WY

LFO_NSO_PSWDDA4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

WY LFO_NSO_SG25P1014

BLM Stipulations for Slopes Greater than 25 Percent

WY LFO_TLS_RN4071

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater

Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017864

WY-2023-06-1536

WY, Lander Field Office,
Bureau of Land Management,
PD

T. 33 N., R. 95 W., 6TH PM

Sec. 28 S1/2;

Sec. 29 NW1/4, S1/2.

Fremont County

800 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY LFO_CSU_LRPS1013

BLM Stipulations for Limited Reclamation Potential Soils

WY LFO_CSU_PYFC5058

BLM Stipulations for Fossil Resources

WY

LFO_CSU_S15TO24P1014

BLM Stipulations for Slopes between 15 and 24 Percent

WY LFO_NSO_PSW4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

WY

LFO_NSO_PSWDDA4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

WY LFO_TLS_RN4071

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017863

WY-2023-06-7253

WY, Lander Field Office,
Bureau of Land Management,
PD

T. 33 N., R. 95 W., 6TH PM
Sec. 33 ALL;

Sec. 35 NW1/4, W1/2SW1/4.
Fremont County

880 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY LFO_CSU_LRPS1013

BLM Stipulations for Limited Reclamation Potential Soils

WY LFO_CSU_PYFC5058

BLM Stipulations for Fossil Resources

WY

LFO_CSU_S15TO24P1014

BLM Stipulations for Slopes between 15 and 24 Percent

WY LFO_NSO_PSW4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

WY

LFO_NSO_PSWDDA4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Within Designated Development Areas

WY LFO_NSO_SG25P1014

BLM Stipulations for Slopes Greater than 25 Percent

WY LFO_TLS_RN4071

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017865

WY-2023-06-1532

WY, Lander Field Office,
Bureau of Land Management,
PD

T. 34 N., R. 95 W., 6TH PM

Sec. 21 S1/2SE1/4;

Sec. 22 LOTS 3,4;

Sec. 22 S1/2SW1/4;

Sec. 30 SE1/4NW1/4,
NE1/4SW1/4.

Fremont County

305.24 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY LFO_CSU_LRPS1013

BLM Stipulations for Limited Reclamation Potential Soils

WY LFO_CSU_PYFC5058

BLM Stipulations for Fossil Resources

WY

LFO_CSU_S15TO24P1014

BLM Stipulations for Slopes between 15 and 24 Percent

WY LFO_NSO_2031

BLM Stipulations for Native America Cultural Resource Sites

WY LFO_NSO_5050

BLM Stipulations for Sacred, Spiritual, and Traditional Cultural Properties

WY LFO_NSO_PSW4031

BLM Stipulations for Perennial Surface Waters, Riparian-Wetland Areas, and/or Playas Outside of Designated Development Areas

WY

LFO_NSO_PSWDDA4031

BLM Stipulations for Perennial Surface Waters, Riparian-

Wetland Areas, and/or Playas
Within Designated Development
Areas

WY LFO_TLS_BGCW4061

BLM Stipulations for Big Game
Crucial Winter Range

WY LFO_TLS_RN4071

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017866

WY-2023-06-1573

WY, Cody Field Office, Bureau
of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 1 LOT 9 OF LOT 37;

Sec. 1 TR 50B, 50C;

Sec. 1 TR 51B-E;

Sec. 1 TR 61A, 61B;

Sec. 1 LOTS 5 thru 8, 12 thru
16, 20, 21, 24;

Sec. 2 LOT 5-8 OF LOT 37;

Sec. 2 TR 53A-D;

Sec. 2 TR 55D-G;

Sec. 2 LOTS 9 thru 12,15 thru
18,21,24,25,27;

Sec. 3 TR 54A-D;

Sec. 3 TR 57A-H;

Sec. 3 LOTS 5 thru 12;

Sec. 10 TR 54G, 54H.

Big Horn County

2392.46 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor
Nests

WY

CyFO_NSO_H2O500F4036

BLM Stipulations for Surface
Water and Riparian/Wetland
Areas

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
1041**

BLM Stipulations for water
monitoring plans

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00015964

WY-2023-06-7258 Split Estate

WY, Cody Field Office, Bureau
of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 4 TR 49A-D;

Sec. 4 TR 58A-H;

Sec. 4 LOTS 5 thru

8,12,13,16,17;

Sec. 5 TR 48A;

Sec. 5 TR 59E, 59M;

Sec. 5 LOTS 5;

Sec. 7 TR 47B-D;

Sec. 8 TR 48H;

Sec. 9 TR 49E-H.

Big Horn County

1263.62 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor
Nests

WY

CyFO_NSO_H2O500F4036

BLM Stipulations for Surface
Water and Riparian/Wetland
Areas

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
1041**

BLM Stipulations for water
monitoring plans

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National

Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
EOI# WY00015964

WY-2023-06-1575 Split Estate

WY, Cody Field Office, Bureau
of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 11 TR 42A;
Sec. 11 TR 53E-J, O, P;
Sec. 12 TR 51F-I, O;
Sec. 12 TR 51M, N (EXC 5.64
AC IN ROW WYW84618);
Sec. 12 LOTS 7, 10, 11, 14, 15,
19;
Sec. 12 E1/2SW1/4, SE1/4;
Sec. 13 ALL;
Sec. 14 TR 42H-K;
Sec. 14 TR 42I, J (EXC 1.76 AC
IN ROW WYB044057);
Sec. 14 LOTS 1, 3, 12, 13, 20,
23, 25;
Sec. 15 TR 43I,J,O,P;
Sec. 15 TR 60A-D.
Big Horn County
2248.95 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY CyFO_CSU_PW1042

BLM Stipulations for Public
Water Supply Areas

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor

Nests

WY

CyFO_NSO_H2O500F4036

BLM Stipulations for Surface
Water and Riparian/Wetland
Areas

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
1041**

BLM Stipulations for water
monitoring plans

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00015964

WY-2023-06-1576

WY, Cody Field Office, Bureau
of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 16 TR 41A-C;
Sec. 16 LOTS 17,20,21,24,25;
Sec. 16 SW1/4SW1/4;
Sec. 17 TR 46E-P;
Sec. 17 LOTS 13,15,16,19 thru
21,24;
Sec. 17 S1/2SE1/4;
Sec. 18 LOTS 12,13, SWNE
(EXCL. 36.7 AC IN ROW

WYW84618);

Sec. 18 TR 47G-I;

Sec. 18 TR LOT 9 OF TR 118;

Sec. 18 TR 47E, 47F (EXCL.

4.49 AC IN ROW

WYW84618);

Sec. 18 LOTS 15;

Sec. 18 SE1/4;

Sec. 19 LOTS 5 thru 8;

Sec. 19 E1/2NW1/4,

E1/2SW1/4.

Big Horn County

1558.93 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY

CyFO_NSO_H2O500F4036

BLM Stipulations for Surface
Water and Riparian/Wetland
Areas

**WY STD LEASE NOTICE
1041**

BLM Stipulations for water
monitoring plans

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act

requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00015964

WY-2023-06-1577

WY, Cody Field Office, Bureau of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 20 ALL;

Sec. 21 LOTS 2;

Sec. 21 W1/2NE1/4,

SE1/4NE1/4, W1/2, SE1/4;

Sec. 22 TR 60E-F;

Sec. 22 LOTS 1, 5, 8, 9, 12, 14;

Sec. 22 SW1/4NW1/4, S1/2;

Sec. 23 LOTS 2;

Sec. 23 NE1/4, NE1/4NW1/4,

S1/2NW1/4, S1/2.

Big Horn County

2549.74 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor Nests

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00015964

WY-2023-06-1578 Split Estate

WY, Cody Field Office, Bureau of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 24 ALL;

Sec. 25 TR LOTS 5-12 OF TR 62;

Sec. 25 LOTS 4,13;

Sec. 25 W1/2NW1/4;

Sec. 26 ALL;

Sec. 27 ALL.

Big Horn County

2212.62 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor Nests

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE

1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00015964

WY-2023-06-1579 Split Estate

WY, Cody Field Office, Bureau of Land Management, PD

T. 52 N., R. 95 W., 6TH PM

Sec. 28 E2SW (EXCLUDING 2.71AC IN ROW

WYW140091);

Sec. 28 E1/2, NW1/4,

W1/2SW1/4;

Sec. 29 ALL;

Sec. 30 LOT 9 OF TR. 113;

Sec. 30 LOTS 5 thru 8;

Sec. 30 E1/2NW1/4,

E1/2SW1/4, S1/2SE1/4,

NW1/4SE1/4;

Sec. 31 LOTS

6,7,10,11,15,20,21,24;

Sec. 31 NW1/4NE1/4,

NE1/4SW1/4, E1/2NW1/4;

Sec. 32 LOTS 1,4,5,7;

Sec. 32 N1/2NW1/4,

NE1/4SE1/4, SW1/4NW1/4,

NW1/4SW1/4.

Big Horn County

2207.76 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural

Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY CyFO_CSU_PW1042

BLM Stipulations for Public Water Supply Areas

WY

CyFO_NSO_H2O500F4036

BLM Stipulations for Surface Water and Riparian/Wetland Areas

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00015964

WY-2023-06-1580 Split Estate

WY, Cody Field Office, Bureau of Land Management, PD
T. 52 N., R. 95 W., 6TH PM
Sec. 33 LOTS 8,9;

Sec. 33 NE1/4;

Sec. 34 NE1/4, E1/2NW1/4, N1/2SW1/4, SE1/4SW1/4, N1/2SE1/4;

Sec. 35 ALL;

Sec. 36 LOTS 5,6,15 thru 18;

Sec. 36 S1/2SW1/4, S1/2SE1/4.

Big Horn County

1501.2 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY CyFO_CSU_PW1042

BLM Stipulations for Public Water Supply Areas

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor Nests

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act

requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00015964

WY-2023-06-1528

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 16 N., R. 96 W., 6TH PM

Sec. 4 LOTS 1 thru 8;

Sec. 6 LOTS 1 thru 12;

Sec. 6 E1/2SW1/4, SE1/4;

Sec. 8 ALL;

Sec. 18 LOTS 1,2;

Sec. 18 E1/2NW1/4, NE1/4.

Sweetwater County

2132.8 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple

Mineral Development
WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017851

WY-2023-06-1527

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 16 N., R. 96 W., 6TH PM

Sec. 10 N1/2;

Sec. 35 SE1/4NE1/4.

Sweetwater County

360 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority

Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

EOI# WY00017852

WY-2023-06-1510

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 12 N., R. 97 W., 6TH PM

Sec. 11 NE1/4SE1/4,

S1/2SW1/4, S1/2SE1/4;

Sec. 14 W1/2SW1/4, SE1/4;

Sec. 23 LOTS 1 thru 4;

Sec. 24 LOTS 1 thru 3.

Sweetwater County

733.74 Acres

Stipulations:

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic Trails

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_NSO_HTRAILS

BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments

WY RFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY Std Lease Stipulation No. 2

BLM Stipulations for

Endangered Species Act Section 7 Consultation Stipulation

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 1

BLM Stipulations for Historic Properties

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter

Concentration Areas

EOI# WY00017731

WY-2023-06-1414

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 13 N., R. 97 W., 6TH PM

Sec. 21 W1/2NW1/4,

W1/2SW1/4;

Sec. 28 W1/2NW1/4, SW1/4,

SW1/4SE1/4;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,

E1/2SW1/4.

Sweetwater County

1080.2 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PMAs) -
Core Only

WY_SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core only
EOI# WY00017376

WY-2023-06-7223

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 14 N., R. 97 W., 6TH PM

Sec. 18 LOTS 4;

Sec. 20 S1/2;

Sec. 21 S1/2NE1/4,
SE1/4NW1/4, S1/2;

Sec. 28 N1/2, SW1/4,
NW1/4SE1/4;

Sec. 29 ALL;

Sec. 32 N1/2, SW1/4,
NW1/4SE1/4;

Sec. 33 NW1/4NW1/4.
Sweetwater County

2520.77 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

RSFO_TLS_Nesting Raptors

BLM Stipulations for Nesting
Raptors

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BON

BLM Stipulations for Burrowing
Owl Nests

WY RFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National
Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY_SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017377

WY-2023-06-1408

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 97 W., 6TH PM

Sec. 4 S1/2;

Sec. 6 LOTS 1 thru 12;

Sec. 6 E1/2SW1/4, SE1/4;

Sec. 8 ALL.

Sweetwater County

1676.62 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
 EOI# WY00017359

WY-2023-06-1411
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 16 N., R. 97 W., 6TH PM
 Sec. 18 LOTS 2 thru 4;
 Sec. 18 E1/2, SE1/4NW1/4, E1/2SW1/4;
 Sec. 30 LOTS 1 thru 4;
 Sec. 30 E1/2, E1/2NW1/4, E1/2SW1/4.
 Sweetwater County
 1163.63 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_CSU_VRM I & II
 BLM Stipulations for Visual Resource Management Areas

(Class I and/or Class II)
WY RSFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
 EOI# WY00017359

WY-2023-06-7224
 WY, Rawlins Field Office, Bureau of Land Management, PD
T. 13 N., R. 98 W., 6TH PM
 Sec. 1 LOTS 4;
 Sec. 1 S1/2NW1/4, S1/2;
 Sec. 2 LOTS 1 thru 4;
 Sec. 2 S1/2NE1/4, S1/2NW1/4, S1/2;
 Sec. 3 LOTS 1,2;
 Sec. 4 LOTS 1 thru 4;
 Sec. 4 S1/2NE1/4, S1/2NW1/4;
 Sec. 5 LOTS 1,2;
 Sec. 5 S1/2NE1/4, S1/2.
 Sweetwater County
 1960.95 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_MPN
 BLM Stipulations for Mountain Plover Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY_SW_CSU_PHMA
 BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PMAs) - Core Only
WY_SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats - Priority Management Areas (PMAs) - Core and Connectivity
WY_SW_TLS_PHMAL
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats - Priority Management

Areas (PMAs) - Core only
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017374

WY-2023-06-1419

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 98 W., 6TH PM

Sec. 7 LOTS 1 thru 4;

Sec. 7 E1/2, E1/2NW1/4,

E1/2SW1/4;

Sec. 8 ALL;

Sec. 14 ALL.

Sweetwater County

1920.84 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple

Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PMAs) -
Core Only

WY_SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core only
EOI# WY00017374

WY-2023-06-1422

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 98 W., 6TH PM

Sec. 15 ALL;

Sec. 17 ALL;

Sec. 18 LOTS 1 thru 4;

Sec. 18 S1/2NE1/4,
E1/2NW1/4, E1/2SW1/4,
SE1/4;

Sec. 19 LOTS 1 thru 4;

Sec. 19 E1/2, E1/2NW1/4,
E1/2SW1/4,.

Sweetwater County

2478.32 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor

Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY_SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY_SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
EOI# WY00017374

WY-2023-06-1426

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 98 W., 6TH PM

Sec. 20 ALL;

Sec. 21 ALL;

Sec. 22 ALL;

Sec. 23 N1/2, W1/2SW1/4,
SE1/4SW1/4, SE1/4.

Sweetwater County

2520 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_TLS_BON

BLM Stipulations for Burrowing Owl Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks

inside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017374

WY-2023-06-1430

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 13 N., R. 98 W., 6TH PM

Sec. 24 SW1/4NE1/4, NW1/4, N1/2SW1/4, NE1/4SE1/4, S1/2SE1/4;
Sec. 25 ALL;
Sec. 28 ALL;
Sec. 29 ALL.

Sweetwater County

2320 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PMAs) - Core Only

WY_SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing

Habitats - Priority Management Areas (PMAs) - Core only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017374

WY-2023-06-1399

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 13 N., R. 98 W., 6TH PM

Sec. 26 NW1/4NE1/4, N1/2NW1/4, S1/2;
Sec. 27 N1/2, SW1/4, NW1/4SE1/4;
Sec. 34 E1/2NE1/4, W1/2, E1/2SE1/4;
Sec. 35 ALL.

Sweetwater County

2080 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic
Trails

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PMAs) -
Core Only

WY_SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core only
EOI# WY00017375

WY-2023-06-1434

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 98 W., 6TH PM

Sec. 30 LOTS 1 thru 4;
Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 31 SE1/4;

Sec. 32 ALL;

Sec. 33 ALL.

Sweetwater County

2081.76 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RFO_TLS_BON

BLM Stipulations for Burrowing
Owl Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple

Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PMAs) -
Core Only

WY_SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core only

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017374

WY-2023-06-7234

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 14 N., R. 98 W., 6TH PM

Sec. 10 SW1/4, SW1/4SE1/4;
Sec. 15 W1/2NE1/4, W1/2,
NW1/4SE1/4;

Sec. 17 S1/2;

Sec. 18 LOTS 3,4;

Sec. 18 E1/2SW1/4, SE1/4;

Sec. 19 LOTS 1 thru 4;

Sec. 19 E1/2, E1/2NW1/4,
E1/2SW1/4.

Sweetwater County

1931.49 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests
WY RFO_TLS_BON
 BLM Stipulations for Burrowing Owl Nests
WY RFO_TLS_MPN
 BLM Stipulations for Mountain Plover Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY_SW_TLS_GHMA
 BLM Stipulations for Greater Sage-Grouse Breeding, Nesting and Early Brood-Rearing Habitats - Priority Management Areas (PMAs) - Core and Connectivity
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017361

WY-2023-06-1436
 WY, Rawlins Field Office, Bureau of Land Management, PD
T. 14 N., R. 98 W., 6TH PM
 Sec. 20 ALL;
 Sec. 21 ALL;
 Sec. 22 SW1/4NE1/4, W1/2,

NW1/4SE1/4;
 Sec. 25 ALL.
 Sweetwater County
 2320 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_BON
 BLM Stipulations for Burrowing Owl Nests
WY RFO_TLS_MPN
 BLM Stipulations for Mountain Plover Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_NSO_GHMA

BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas
WY SW_TLS_GHMA
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017361

WY-2023-06-1440
 WY, Rawlins Field Office, Bureau of Land Management, PD
T. 14 N., R. 98 W., 6TH PM
 Sec. 26 ALL;
 Sec. 27 E1/2NE1/4, NW1/4, W1/2SW1/4, SW1/4SE1/4, E1/2SE1/4;
 Sec. 28 ALL;
 Sec. 29 ALL.
 Sweetwater County
 2360 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_BON
 BLM Stipulations for Burrowing Owl Nests
WY RFO_TLS_MPN
 BLM Stipulations for Mountain Plover Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017361

WY-2023-06-1444

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 14 N., R. 98 W., 6TH PM

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 31 LOTS 1 thru 4;

Sec. 31 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 32 ALL.

Sweetwater County

1924.84 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_BON

BLM Stipulations for Burrowing
Owl Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,

etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017361

WY-2023-06-1447

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 14 N., R. 98 W., 6TH PM

Sec. 33 ALL;

Sec. 34 NW1/4NW1/4,

S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 35 NE1/4, SW1/4NW1/4,
SW1/4, S1/2SE1/4.

Sweetwater County

1600 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor
Nests

WY RFO_TLS_MPN

BLM Stipulations for Mountain
Plover Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY_SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PMAs) -
Core Only

WY_SW_TLS_GHMA

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core and
Connectivity

WY_SW_TLS_PHMA

BLM Stipulations for Greater
Sage-Grouse Breeding, Nesting
and Early Brood-Rearing
Habitats - Priority Management
Areas (PMAs) - Core only

WY_SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017361

WY-2023-06-1410

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 98 W., 6TH PM

Sec. 2 LOTS 1 thru 4;

Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 12 W1/2NW1/4,
W1/2SW1/4,SE1/4SW1/4;

Sec. 13 NE1/4NW1/4;

Sec. 14 ALL;

Sec. 20 ALL.

Sweetwater County

2161.55 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017384

WY-2023-06-1415

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 98 W., 6TH PM

Sec. 22 ALL;

Sec. 23 ALL;

Sec. 24 SW1/4SW1/4.

Sweetwater County

1320 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

EOI# WY00017384

WY-2023-06-7228

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 98 W., 6TH PM

Sec. 25 W1/2, W1/2SE1/4;

Sec. 26 ALL;

Sec. 27 N1/2, N1/2SW1/4,

SE1/4SW1/4, SE1/4;

Sec. 28 N1/2NE1/4,

SW1/4NE1/4, W1/2,

NW1/4SE1/4, S1/2SE1/4;

Sec. 29 S1/2.
Sweetwater County
2520 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RSFO_CSU_VRM I & II
BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)
WY RSFO_NSO_RN
BLM Stipulations for Raptor
Nests
WY RSFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017385

WY-2023-06-1431

WY, Rock Springs Field Office,
Bureau of Land Management,
PD
T. 15 N., R. 98 W., 6TH PM
Sec. 30 LOTS 1 thru 4;
Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4;
Sec. 31 LOTS 1 thru 4;
Sec. 31 E1/2, E1/2NW1/4,
E1/2SW1/4;
Sec. 32 ALL.
Sweetwater County
1946.32 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RFO_CSU_AR
BLM Stipulations for
Amphibians and Reptiles
WY RFO_CSU_RN
BLM Stipulations for Raptor
Nests
WY RFO_TLS_BON
BLM Stipulations for Burrowing
Owl Nests
WY RFO_TLS_RN
BLM Stipulations for Raptor
Nests
WY RSFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple

Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017385

WY-2023-06-7231
WY, Rock Springs Field Office,
Bureau of Land Management,
PD
T. 15 N., R. 98 W., 6TH PM
Sec. 33 ALL;
Sec. 34 NE1/4, E1/2NW1/4,
SW1/4NW1/4, S1/2;
Sec. 35 ALL.
Sweetwater County
1880 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RFO_CSU_AR
BLM Stipulations for
Amphibians and Reptiles
WY RFO_CSU_RN
BLM Stipulations for Raptor
Nests
WY RFO_TLS_BON
BLM Stipulations for Burrowing
Owl Nests
WY RFO_TLS_MPN
BLM Stipulations for Mountain
Plover Nests
WY RFO_TLS_RN
BLM Stipulations for Raptor
Nests
WY RSFO_CSU_VRM I & II
BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)
WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017385

WY-2023-06-7225

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 98 W., 6TH PM

Sec. 2 LOTS 1 thru 8;

Sec. 2 S1/2;

Sec. 4 LOTS 1 thru 8;

Sec. 4 S1/2;

Sec. 6 LOTS 1 thru 12;

Sec. 6 E1/2SW1/4, SE1/4.

Sweetwater County

2245.04 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017358

WY-2023-06-1425

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 98 W., 6TH PM

Sec. 8 ALL;

Sec. 10 ALL;

Sec. 12 ALL;

Sec. 14 ALL.

Sweetwater County

2560 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat

Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017358

WY-2023-06-1429

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 98 W., 6TH PM

Sec. 18 LOTS 1 thru 4;

Sec. 18 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4;

Sec. 34 ALL.

Sweetwater County

1915.32 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017358

WY-2023-06-7227

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 16 N., R. 98 W., 6TH PM

Sec. 20 ALL;

Sec. 22 ALL;

Sec. 26 ALL.

Sweetwater County

1920 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017358

WY-2023-06-1351

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 22 N., R. 98 W., 6TH PM

Sec. 2 LOTS 5 thru 8;

Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 3 LOTS 5 thru 8;

Sec. 3 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 6 LOTS 8 thru 14;

Sec. 6 S1/2NE1/4,
SE1/4NW1/4, E1/2SW1/4,
SE1/4;

Sec. 7 NE1/4, E1/2NW1/4.

Sweetwater County
 2155.84 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_CSU_VRM I & II
 BLM Stipulations for Visual Resource Management Areas (Class I and/or Class II)
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
 EOI# WY00017145

WY-2023-06-1509
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 25 N., R. 98 W., 6TH PM
 Sec. 13 W1/2;

Sec. 24 W1/2.
 Sweetwater County
 640 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017744

WY-2023-06-1520
 WY, Rawlins Field Office, Bureau of Land Management, PD
T. 12 N., R. 99 W., 6TH PM
 Sec. 1 LOTS 1 thru 4;
 Sec. 1 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 12 ALL;
 Sec. 13 ALL;
 Sec. 24 LOTS 1 thru 4.
 Sweetwater County
 2133.14 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_HTRAILS
 BLM Stipulations for Historic Trails
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_NSO_HTRAILS
 BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments
WY RFO_TLS_BGCW
 BLM Stipulations for Big Game Crucial Winter Range
WY RFO_TLS_BON
 BLM Stipulations for Burrowing Owl Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for

Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only
WY SW_NSO_PHMAL
BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017720

WY-2023-06-1521

WY, Rawlins Field Office,
Bureau of Land Management,
PD
T. 12 N., R. 99 W., 6TH PM
Sec. 2 LOTS 1 thru 4;
Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;
Sec. 11 ALL;
Sec. 14 ALL;
Sec. 23 LOTS 1 thru 4.
Sweetwater County
2138.82 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic
Trails

WY RFO_NSO_HTRAILS

BLM Stipulations for Historic
Trails w/in 1/4 mile of
contributing segments

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017721

WY-2023-06-1522

WY, Rawlins Field Office,
Bureau of Land Management,

PD

T. 12 N., R. 99 W., 6TH PM

Sec. 3 LOTS 1 thru 4;
Sec. 3 S1/2NE1/4,
SE1/4NW1/4, SE1/4,
N1/2SW1/4, SE1/4SW1/4;
Sec. 10 ALL;
Sec. 15 N1/2, SW1/4,
E1/2SE1/4;
Sec. 22 LOTS 1.
Sweetwater County
1817.62 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic
Trails

WY RFO_NSO_HTRAILS

BLM Stipulations for Historic
Trails w/in 1/4 mile of
contributing segments

WY RFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017722

WY-2023-06-1523

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 12 N., R. 99 W., 6TH PM

Sec. 4 LOTS 1,3,4;
Sec. 4 S1/2NE1/4, S1/2NW1/4, S1/2;
Sec. 9 ALL;
Sec. 17 SE1/4;
Sec. 20 LOTS 3,4;
Sec. 21 LOTS 4.

Sweetwater County

1573.03 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic Trails

WY RFO_NSO_HTRAILS

BLM Stipulations for Historic Trails w/in 1/4 mile of contributing segments

WY RFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017723

WY-2023-06-1524

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 12 N., R. 99 W., 6TH PM

Sec. 5 LOTS 1 thru 4;
Sec. 5 S1/2NE1/4, S1/2NW1/4, SW1/4, S1/2SE1/4, NW1/4SE1/4;
Sec. 6 LOTS 1 thru 7;
Sec. 6 S1/2NE1/4, SE1/4NW1/4, E1/2SW1/4, SE1/4.

Sweetwater County

1237.42 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_CSU_CT

BLM Stipulations for Cherokee Trail Cultural and Scenic Values

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMA

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority

Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017724

WY-2023-06-1478

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 99 W., 6TH PM

Sec. 2 LOTS 1 thru 4;

Sec. 2 S1/2NE1/4, S1/2NW1/4;

Sec. 3 LOTS 1,2;

Sec. 3 S1/2NE1/4,

SW1/4NW1/4, S1/2;

Sec. 10 NE1/4;

Sec. 11 ALL;

Sec. 12 ALL;

Sec. 35 E1/2NW1/4,

E1/2SW1/4.

Sweetwater County

2442.67 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic Trails

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY RSFO_NSO_RN

BLM Stipulations for Raptor Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017372

WY-2023-06-1401

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 99 W., 6TH PM

Sec. 5 LOTS 3,4;

Sec. 5 SE1/4NW1/4.

Sweetwater County

118.8 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

EOI# WY00017373

WY-2023-06-1402

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 99 W., 6TH PM

Sec. 13 N1/2NE1/4,

SW1/4NE1/4, W1/2, SE1/4;

Sec. 17 NE1/4NE1/4;

Sec. 21 E1/2, E1/2NW1/4,

E1/2SW1/4;

Sec. 25 N1/2NE1/4,

N1/2NW1/4, S1/2SW1/4,

S1/2SE1/4;

Sec. 28 NE1/4, E1/2NW1/4,

N1/2SE1/4, SE1/4SE1/4;

Sec. 34 ALL.

Sweetwater County

2440 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_HTRAILS

BLM Stipulations for Historic Trails

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_TLS_BON

BLM Stipulations for Burrowing Owl Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_NSO_GHMAL

BLM Stipulations for Greater

Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
EOI# WY00017372

WY-2023-06-1441

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 14 N., R. 99 W., 6TH PM

Sec. 5 LOTS 1 thru 4;

Sec. 5 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 8 ALL;

Sec. 10 ALL.

Sweetwater County

1923.9 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RFO_CSU_AR

BLM Stipulations for Amphibians and Reptiles

WY RFO_CSU_RN

BLM Stipulations for Raptor Nests

WY RFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_NSO_GHMAL

BLM Stipulations for Greater Sage-Grouse Leks. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas

EOI# WY00017360

WY-2023-06-7236

WY, Rawlins Field Office, Bureau of Land Management, PD

T. 14 N., R. 99 W., 6TH PM

Sec. 11 ALL;

Sec. 13 ALL;

Sec. 14 ALL;

Sec. 15 ALL.

Sweetwater County

2560 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for

Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_NSO_GHMAL
 BLM Stipulations for Greater Sage-Grouse Lek. Within 0.25-mile radius of occupied leks outside Priority Habitat Management Areas
WY SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017360

WY-2023-06-7232
 WY, Rawlins Field Office, Bureau of Land Management,

PD
T. 14 N., R. 99 W., 6TH PM
 Sec. 17 N1/2, SW1/4, W1/2SE1/4, NE1/4SE1/4;
 Sec. 22 ALL;
 Sec. 23 ALL;
 Sec. 24 ALL.
 Sweetwater County
 2520 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater

Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017360

WY-2023-06-7239
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 14 N., R. 99 W., 6TH PM
 Sec. 18 LOTS 1 thru 4;
 Sec. 18 E1/2, E1/2NW1/4, E1/2SW1/4.
 Sweetwater County
 631.24 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY RFO_CSU_AR
 BLM Stipulations for Amphibians and Reptiles
WY RFO_CSU_RN
 BLM Stipulations for Raptor Nests
WY RFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY RSFO_NSO_RN
 BLM Stipulations for Raptor Nests
WY RSFO_TLS_RN
 BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017360

WY-2023-06-7240

WY, Rawlins Field Office,
Bureau of Land Management,
PD

T. 14 N., R. 99 W., 6TH PM

Sec. 27 ALL;

Sec. 28 NW1/4;

Sec. 31 LOTS 3,4;

Sec. 31 E1/2SW1/4,

W1/2SE1/4;

Sec. 33 N1/2NE1/4,

SE1/4NE1/4;

Sec. 35 ALL.

Sweetwater County

1799.14 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RFO_CSU_AR

BLM Stipulations for
Amphibians and Reptiles

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017360

WY-2023-06-1448

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 99 W., 6TH PM

Sec. 4 LOTS 1 thru 4;

Sec. 4 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 6 LOTS 1 thru 7;

Sec. 6 S1/2NE1/4,

SE1/4NW1/4, E1/2SW1/4,
SE1/4;

Sec. 8 ALL;

Sec. 18 LOTS 1 thru 4;

Sec. 18 E1/2, E1/2NW1/4,
E1/2SW1/4.

Sweetwater County

2522.76 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered

Species Act

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017382

WY-2023-06-1446

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 99 W., 6TH PM

Sec. 20 ALL;

Sec. 28 ALL;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4,
E1/2SW1/4.

Sweetwater County

1909.68 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017382

WY-2023-06-1489
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 15 N., R. 99 W., 6TH PM
 Sec. 24 ALL.
 Sweetwater County
 640 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for Threatened and Endangered Species Act
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017383

WY-2023-06-7241
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 15 N., R. 99 W., 6TH PM
 Sec. 32 ALL;
 Sec. 33 ALL;
 Sec. 34 NE1/4, W1/2SW1/4.
 Sweetwater County
 1520 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act
WY STD LEASE NOTICE NO. 1
 BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
 BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
 BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
 BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
 BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
 EOI# WY00017382

WY-2023-06-1449
 WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 16 N., R. 99 W., 6TH PM
 Sec. 2 E2 OF LOT 5, E2 OF LOT 8;
 Sec. 2 LOTS 1 thru 3,6,7;
 Sec. 2 E1/2SW1/4, SE1/4;
 Sec. 10 NE1/4, E1/2NW1/4;
 Sec. 12 SE1/4.
 Sweetwater County
 962.73 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat

Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017386

WY-2023-06-1452

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 16 N., R. 99 W., 6TH PM

Sec. 18 LOTS 1 thru 4;
Sec. 18 E1/2, E1/2NW1/4, E1/2SW1/4;
Sec. 20 ALL;
Sec. 22 W1/2, SE1/4;
Sec. 30 LOTS 1 thru 4;
Sec. 30 E1/2, E1/2NW1/4, E1/2SW1/4.

Sweetwater County

2359.84 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017386

WY-2023-06-1486

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 17 N., R. 99 W., 6TH PM

Sec. 10 ALL;
Sec. 14 ALL;
Sec. 20 ALL;
Sec. 22 W1/2.
Sweetwater County
2240 Acres
Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017388,
WY00017387

WY-2023-06-1599

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 17 N., R. 99 W., 6TH PM

Sec. 12 NE1/4NW1/4.
Sweetwater County
40 Acres

Stipulations:
HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017968

WY-2023-06-7250

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 17 N., R. 99 W., 6TH PM

Sec. 24 SE (EXCL 14.70 AC IN
RR ROW UNDER THE ACT
OF 1875);

Sec. 24 NE1/4, W1/2;

Sec. 26 SW (EXCL 7.64 AC IN
RR ROW UNDER THE ACT
OF 1875);

Sec. 26 SE (EXCL 13.98 AC IN
RR ROW UNDER THE ACT
OF 1875);

Sec. 26 N1/2;

Sec. 30 NENE (EXCL 7.11 AC
IN RR ROW UNDER THE
ACT OF 1875);

Sec. 30 LOTS 5 thru 8;

Sec. 30 NW1/4NE1/4,
S1/2NE1/4, E1/2NW1/4,
E1/2SW1/4, SE1/4;

Sec. 34 NE (EXCL 24.37 AC IN
RR ROW UNDER THE ACT
OF 1875);

Sec. 34 S1/2.

Sweetwater County
2330.52 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural

Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017387

WY-2023-06-1488

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 17 N., R. 99 W., 6TH PM

Sec. 28 ALL.

Sweetwater County
640 Acres

Stipulations:

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017387

WY-2023-06-1495
WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 18 N., R. 99 W., 6TH PM
Sec. 12 E1/2NE1/4, SE1/4SW1/4, SE1/4;
Sec. 14 S1/2SW1/4, S1/2SE1/4, NE1/4SE1/4;
Sec. 22 ALL.
Sweetwater County
1120 Acres
Stipulations:

HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_CSU_TRAILS
BLM Stipulations for Historic Trails (protecting cultural and scenic values)

WY RSFO_NSO_RN
BLM Stipulations for Raptor Nests
WY RSFO_TLS_RN
BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017712

WY-2023-06-1506
WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 21 N., R. 99 W., 6TH PM
Sec. 2 LOTS 5 thru 8;
Sec. 2 S1/2NE1/4, S1/2NW1/4, S1/2;
Sec. 4 LOTS 5 thru 8;
Sec. 4 S1/2NE1/4, S1/2NW1/4, S1/2;
Sec. 6 LOTS 8 thru 14;
Sec. 6 S1/2NE1/4, SE1/4NW1/4, E1/2SW1/4, SE1/4;
Sec. 8 ALL.
Sweetwater County
2554.58 Acres
Stipulations:
HQ-CR-1

BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_NSO_RN
BLM Stipulations for Raptor Nests
WY RSFO_TLS_BGCW
BLM Stipulations for Big Game Crucial Winter Range
WY RSFO_TLS_RN
BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter

Concentration Areas
EOI# WY00017733

WY-2023-06-1507

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 21 N., R. 99 W., 6TH PM

Sec. 10 E1/2, N1/2SW1/4,

SE1/4SW1/4;

Sec. 12 ALL;

Sec. 14 ALL;

Sec. 20 ALL.

Sweetwater County

2360 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for

Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017734

WY-2023-06-1508

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 21 N., R. 99 W., 6TH PM

Sec. 22 ALL;

Sec. 24 ALL;

Sec. 26 ALL.

Sweetwater County

1920 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY STD LEASE NOTICE

NO. 1

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017735

WY-2023-06-1505

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 23 N., R. 99 W., 6TH PM

Sec. 3 LOTS 7,8.

Sweetwater County

79.85 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority

**Habitat Management Areas
WY SW_TLS_PHMAWCA**

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017745

WY-2023-06-1504

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 24 N., R. 99 W., 6TH PM

Sec. 30 LOTS 5 thru 7.

Sweetwater County

104.87 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017746

WY-2023-06-1514

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 12 N., R. 100 W., 6TH PM

Sec. 1 LOTS 1 thru 4;

Sec. 1 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 2 LOTS 1 thru 4;

Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 11 N1/2, SW1/4,

W1/2SE1/4;

Sec. 14 NW1/4.

Sweetwater County

1997.36 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_CT

BLM Stipulations for Cherokee
Trail Cultural and Scenic Values

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017728

WY-2023-06-1515

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 12 N., R. 100 W., 6TH PM

Sec. 3 S1/2NE1/4, S1/2;

Sec. 4 LOTS 1 thru 4;

Sec. 9 ALL;

Sec. 10 ALL.

Sweetwater County

1840.27 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act

requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017729

WY-2023-06-1513

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 13 N., R. 100 W., 6TH PM

Sec. 26 S1/2SE1/4;

Sec. 31 SE1/4;

Sec. 33 N1/2, SW1/4;

Sec. 34 W1/2;

Sec. 35 ALL.

Sweetwater County

1680 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_CT

BLM Stipulations for Cherokee
Trail Cultural and Scenic Values

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater

Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.

Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017727

WY-2023-06-7243

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 100 W., 6TH PM

Sec. 2 LOTS 1 thru 4;

Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 4 LOTS 1 thru 3;

Sec. 4 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 6 LOTS 1 thru 7;

Sec. 6 S1/2NE1/4,
SE1/4NW1/4, E1/2SW1/4,
SE1/4.

Sweetwater County

1860.48 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_CSU_VRM I & II

BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017391

WY-2023-06-1459

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 100 W., 6TH PM

Sec. 10 ALL;

Sec. 12 ALL;

Sec. 14 ALL;

Sec. 18 LOTS 1 thru 4;

Sec. 18 E1/2, E1/2NW1/4,
E1/2SW1/4.

Sweetwater County
2539.84 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,

etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017391

WY-2023-06-1457

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 15 N., R. 100 W., 6TH PM

Sec. 20 ALL;

Sec. 22 ALL;

Sec. 24 ALL;

Sec. 26 ALL.

Sweetwater County

2560 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_NSO_PHMAL
BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017391

WY-2023-06-1456

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 15 N., R. 100 W., 6TH PM

Sec. 28 ALL;

Sec. 30 LOTS 1 thru 4;

Sec. 30 E1/2, E1/2NW1/4, E1/2SW1/4;

Sec. 31 LOTS 3, 4;

Sec. 31 E1/2SW1/4, SE1/4.

Sweetwater County

1571.41 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to

Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease.

Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater Sage-Grouse leks. Within 0.6-mile radius of occupied leks inside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017391

WY-2023-06-1455

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 15 N., R. 100 W., 6TH PM

Sec. 32 ALL;

Sec. 34 ALL.

Sweetwater County

1280 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to

Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017391

WY-2023-06-1454

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 16 N., R. 100 W., 6TH PM

Sec. 2 LOTS 1 thru 8;

Sec. 2 S1/2;

Sec. 4 LOTS 1 thru 8;

Sec. 4 S1/2;

Sec. 8 ALL.

Sweetwater County
2096.26 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_NSO_RN
BLM Stipulations for Raptor Nests
WY RSFO_TLS_RN
BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater

Sage-Grouse Winter Concentration Areas
EOI# WY00017390

WY-2023-06-1453
WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 16 N., R. 100 W., 6TH PM
Sec. 10 ALL;
Sec. 12 ALL;
Sec. 14 ALL;
Sec. 20 ALL.
Sweetwater County
2560 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_NSO_RN
BLM Stipulations for Raptor Nests
WY RSFO_TLS_BGCW
BLM Stipulations for Big Game Crucial Winter Range
WY RSFO_TLS_RN
BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources
WY STD LEASE NOTICE NO. 2
BLM Lease Notice for National Historic Trails
WY STD LEASE NOTICE NO. 3
BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE STIPULATION NO. 3
BLM Stipulations for Multiple Mineral Development
WY STD NOTICE TO LESSEE
BLM Lease Notice for

Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017390

WY-2023-06-7242
WY, Rock Springs Field Office, Bureau of Land Management, PD
T. 16 N., R. 100 W., 6TH PM
Sec. 22 ALL;
Sec. 26 ALL;
Sec. 28 ALL;
Sec. 30 LOTS 1 thru 4;
Sec. 30 E1/2, E1/2NW1/4, E1/2SW1/4.
Sweetwater County
2534.36 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for Threatened and Endangered Species Act
WY RSFO_NSO_RN
BLM Stipulations for Raptor Nests
WY RSFO_TLS_BGCW
BLM Stipulations for Big Game Crucial Winter Range
WY RSFO_TLS_RN
BLM Stipulations for Raptor Nests
WY STD LEASE NOTICE NO. 1
BLM Lease Notice for

Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only
WY SW_TLS_GHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017390

WY-2023-06-1451
WY, Rock Springs Field Office,
Bureau of Land Management,
PD
T. 16 N., R. 100 W., 6TH PM
Sec. 32 N1/2, SW1/4,
N1/2SE1/4, SW1/4SE1/4;
Sec. 34 ALL.
Sweetwater County
1240 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural

Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RSFO_CSU_VRM I & II
BLM Stipulations for Visual
Resource Management Areas
(Class I and/or Class II)
WY RSFO_NSO_RN
BLM Stipulations for Raptor
Nests
WY RSFO_TLS_BGCW
BLM Stipulations for Big Game
Crucial Winter Range
WY RSFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
**WY STD NOTICE TO
LESSEE**
BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA
BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017390
WY-2023-06-1404
WY, Rock Springs Field Office,
Bureau of Land Management,
PD
T. 17 N., R. 100 W., 6TH PM
Sec. 20 ALL;
Sec. 22 W1/2;
Sec. 26 ALL;
Sec. 28 ALL.
Sweetwater County
2240 Acres
Stipulations:
HQ-CR-1
BLM Stipulations for Cultural
Resource Protection
HQ-MLA-1
BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)
HQ-TES-1
BLM Stipulations for
Threatened and Endangered
Species Act
WY RSFO_NSO_RN
BLM Stipulations for Raptor
Nests
WY RSFO_TLS_BGCW
BLM Stipulations for Big Game
Crucial Winter Range
WY RSFO_TLS_RN
BLM Stipulations for Raptor
Nests
**WY STD LEASE NOTICE
NO. 1**
BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources
**WY STD LEASE NOTICE
NO. 2**
BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**
BLM Lease Notice for Greater
Sage-Grouse Habitat
**WY STD LEASE
STIPULATION NO. 3**
BLM Stipulations for Multiple
Mineral Development
WY STD NOTICE TO

LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
EOI# WY00017389

WY-2023-06-1407

WY, Rock Springs Field Office, Bureau of Land Management, PD

T. 17 N., R. 100 W., 6TH PM

Sec. 30 LOTS 5 thru 8;
Sec. 30 E1/2, E1/2NW1/4, E1/2SW1/4;
Sec. 34 LOTS 1 thru 4;
Sec. 34 N1/2, N1/2SW1/4, N1/2SE1/4.
Sweetwater County
1275.96 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY STD LEASE NOTICE**NO. 1**

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE**NO. 2**

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE**NO. 3**

BLM Lease Notice for Greater Sage-Grouse Habitat
WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas
EOI# WY00017389

WY-2023-06-1359 Split Estate

WY, Cody Field Office, Bureau of Land Management, PD

T. 48 N., R. 101 W., 6TH PM

Sec. 2 LOTS 3,4;
Sec. 2 SE1/4NW1/4;
Sec. 3 LOTS 1 thru 7;
Sec. 3 S1/2NW1/4.

T. 49 N., R. 101 W., 6TH PM

Sec. 27 TR 42F;
Sec. 27 LOTS 1;
Sec. 34 LOTS 1 thru 3;
Sec. 34 SE1/4NW1/4, W1/2NW1/4, S1/2;
Sec. 35 LOTS 1 thru 5;
Sec. 35 SW1/4.

Park County
1520.88 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY**CyFO_CSU_GSGPHMAI4110**

BLM Stipulations for Greater Sage-Grouse Density Disturbance Within Priority Habitat Management Areas (Core Only)

WY CyFO_CSU_RN4119

BLM Stipulations for Raptor

Nests

WY**CyFO_NSO_H2O500F4036**

BLM Stipulations for Surface Water and Riparian/Wetland Areas

WY**CyFO_TLS_BGCWR4075**

BLM Stipulations for Big Game Crucial Winter Range Habitat Outside of Oil and Gas Management Areas

WY CyFO_TLS_RN4119

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE 1041

BLM Stipulations for water monitoring plans

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

EOI# WY00017293,

WY00017294, WY00017295

WY-2023-06-1354 Split Estate
 WY, Cody Field Office, Bureau
 of Land Management, PD
T. 48 N., R. 101 W., 6TH PM
 Sec. 6 LOTS 8.
T. 49 N., R. 101 W., 6TH PM
 Sec. 33 LOTS 1;
 Sec. 33 NE1/4SW1/4,
 N1/2SE1/4, SE1/4SE1/4.
 Park County
 216.12 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY
CyFO_CSU_GSGPHMAI4110
 BLM Stipulations for Greater
 Sage-Grouse Density
 Disturbance Within Priority
 Habitat Management Areas
 (Core Only)
WY CyFO_CSU_MPDC4123
 BLM Stipulations for Meeteetse
 Prairie Dog Complex
WY STD LEASE NOTICE
1041
 BLM Stipulations for water
 monitoring plans
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO

LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_TLS_GHMAL
 BLM Stipulations for Greater
 Sage-Grouse breeding, nesting,
 etc. Within 2 miles of an
 occupied lek outside Priority
 Habitat Management Areas
WY SW_TLS_PHMAL
 BLM Stipulations for Greater
 Sage-Grouse breeding, nesting,
 etc. Inside Priority Habitat
 Management Areas (Core only)
 EOI# WY00017083
WY-2023-06-1350
 WY, Rock Springs Field Office,
 Bureau of Land Management,
 PD
T. 20 N., R. 105 W., 6TH PM
 Sec. 28 E1/2, N1/2NW1/4,
 SE1/4NW1/4, NE1/4SW1/4.
 Sweetwater County
 480 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY RSFO_TLS_BGCW
 BLM Stipulations for Big Game
 Crucial Winter Range
WY RSFO_TLS_RN
 BLM Stipulations for Raptor
 Nests
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE

NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
 EOI# WY00017208
WY-2023-06-1491
 WY, Rock Springs Field Office,
 Bureau of Land Management,
 PD
T. 29 N., R. 105 W., 6TH PM
 Sec. 29 ALL;
 Sec. 30 LOTS 1 thru 4;
 Sec. 30 E1/2, E1/2NW1/4,
 E1/2SW1/4;
 Sec. 31 LOTS 1 thru 4;
 Sec. 31 E1/2, E1/2NW1/4,
 E1/2SW1/4;
 Sec. 32 ALL.
 Sublette County
 2554.8 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY RSFO_TLS_BGCW
 BLM Stipulations for Big Game
 Crucial Winter Range
WY RSFO_TLS_RN
 BLM Stipulations for Raptor
 Nests
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2

BLM Lease Notice for National
Historic Trails
**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

**WY STD LEASE
STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017701

WY-2023-06-1492

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 29 N., R. 105 W., 6TH PM

Sec. 33 ALL;

Sec. 34 ALL;

Sec. 35 ALL.

Sublette County

1920 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter

Concentration Areas

EOI# WY00017702

WY-2023-06-7259

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 27 N., R. 106 W., 6TH PM

Sec. 10 ALL;

Sec. 11 ALL;

Sec. 12 ALL;

Sec. 13 N1/2.

Sublette County

2240 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat

Management Areas (PHMAs) -
Core Only
WY SW_TLS_PHMAL
BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)
EOI# WY00017122

WY-2023-06-1526

WY, Rock Springs Field Office,
Bureau of Land Management,
PD

T. 29 N., R. 107 W., 6TH PM

Sec. 32 LOTS 1 thru 16;

Sec. 33 LOTS 1 thru 15;

Sec. 33 NE1/4SW1/4.

Sublette County

1280.3 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY RSFO_NSO_RN

BLM Stipulations for Raptor
Nests

WY RSFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing
WY SW_CSU_PHMA
BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017740

WY-2023-06-1490

WY, Pinedale Field Office,
Bureau of Land Management,
PD

T. 33 N., R. 109 W., 6TH PM

Sec. 6 LOTS 8,17,18,21 thru
23,27,28,30,31.

Sublette County

111.86 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY PFO_CSU_VRM

BLM Stipulations for Visual
Resource Management Areas

(Class I and II)

WY PFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY PFO_TLS_BONH

BLM Stipulations for Burrowing
Owl Nesting Habitat

WY PFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Within 2 miles of an
occupied lek outside Priority
Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas

EOI# WY00017699

WY-2023-06-7252 Split Estate

WY, Pinedale Field Office,
Bureau of Land Management,
PD

T. 29 N., R. 112 W., 6TH PM

Sec. 10 S1/2SW1/4, S1/2SE1/4;

Sec. 14 SE1/4SE1/4;

Sec. 15 ALL.

Sublette County

840 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY PFO_TLS_BEN

BLM Stipulations for Bald Eagle Nests

WY PFO_TLS_BEWR

BLM Stipulations for Bald Eagle Winter Roosts

WY PFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY PFO_TLS_BONH

BLM Stipulations for Burrowing Owl Nesting Habitat

WY PFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_TLS_GHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Within 2 miles of an occupied lek outside Priority

Habitat Management Areas

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017700

WY-2023-06-1558

WY, Kemmerer Field Office, Bureau of Land Management, PD

T. 17 N., R. 118 W., 6TH PM

Sec. 2 LOTS 5 thru 8;

Sec. 2 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 4 LOTS 5 thru 8;

Sec. 4 S1/2NE1/4, S1/2NW1/4, S1/2;

Sec. 10 ALL.

Uinta County
1921.28 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for Threatened and Endangered Species Act

WY KFO_CSU_Slopes20

BLM Stipulations for Slopes 20 Percent or Greater

WY KFO_CSU_Soil

BLM Stipulations for Soils that are Highly Erodible, Fragile, Nonproductive, and/or Chemical and Biological Crusts

WY KFO_NSO_Slopes40

BLM Stipulations for Soils on Slopes Greater than 40 Percent

WY KFO_TLS_BGCW

BLM Stipulations for Big Game Crucial Winter Range

WY KFO_TLS_RN

BLM Stipulations for Raptor Nests

WY STD LEASE NOTICE NO. 1

BLM Lease Notice for Reasonable Measures to Minimize Adverse Impacts to Resources

WY STD LEASE NOTICE

NO. 2

BLM Lease Notice for National Historic Trails

WY STD LEASE NOTICE

NO. 3

BLM Lease Notice for Greater Sage-Grouse Habitat

WY STD LEASE

STIPULATION NO. 3

BLM Stipulations for Multiple Mineral Development

WY STD NOTICE TO

LESSEE

BLM Lease Notice for Attachment to Each Lease. Mineral Leasing Act requirements with respect to coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater Sage-Grouse Priority Habitat Management Areas (PHMAs) - Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater Sage-Grouse breeding, nesting, etc. Inside Priority Habitat Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater Sage-Grouse Winter Concentration Areas
EOI# WY00017901

WY-2023-06-7251 Split Estate

WY, Kemmerer Field Office, Bureau of Land Management, PD

T. 17 N., R. 118 W., 6TH PM

Sec. 8 ALL;

Sec. 18 E1/2SE1/4;

Sec. 20 SE1/4NE1/4, NW1/4, E1/2SE1/4, SW1/4SE1/4;

Sec. 28 ALL;

Sec. 32 NW1/4NW1/4, NE1/4SW1/4, S1/2SW1/4, SE1/4.

Uinta County

2000 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to Lessee Concerning Mineral Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY KFO_CSU_Slopes20

BLM Stipulations for Slopes 20
Percent or Greater

WY KFO_CSU_Soil

BLM Stipulations for Soils that
are Highly Erodible, Fragile,
Nonproductive, and/or Chemical
and Biological Crusts

WY KFO_NSO_Slopes40

BLM Stipulations for Soils on
Slopes Greater than 40 Percent

WY KFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

WY STD NOTICE TO**LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_NSO_PHMAL

BLM Stipulations for Greater
Sage-Grouse leks. Within 0.6-
mile radius of occupied leks
inside Priority Habitat
Management Areas

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,

etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017685

WY-2023-06-1560

WY, Kemmerer Field Office,
Bureau of Land Management,
PD

T. 18 N., R. 118 W., 6TH PM

Sec. 20 ALL;

Sec. 30 LOTS 5 thru 8;

Sec. 30 E1/2, E1/2NW1/4,

E1/2SW1/4;

Sec. 32 N1/2, N1/2SW1/4,

E1/2SE1/4;

Sec. 34 W1/2, SE1/4.

Uinta County

2233.36 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral
Leasing Act Section 2(a)(2)(A)

HQ-TES-1

BLM Stipulations for
Threatened and Endangered
Species Act

WY KFO_CSU_Slopes20

BLM Stipulations for Slopes 20
Percent or Greater

WY KFO_CSU_Soil

BLM Stipulations for Soils that
are Highly Erodible, Fragile,
Nonproductive, and/or Chemical
and Biological Crusts

WY KFO_NSO_Slopes40

BLM Stipulations for Soils on
Slopes Greater than 40 Percent

WY KFO_TLS_BGCW

BLM Stipulations for Big Game
Crucial Winter Range

WY KFO_TLS_RN

BLM Stipulations for Raptor
Nests

**WY STD LEASE NOTICE
NO. 1**

BLM Lease Notice for
Reasonable Measures to
Minimize Adverse Impacts to
Resources

**WY STD LEASE NOTICE
NO. 2**

BLM Lease Notice for National
Historic Trails

**WY STD LEASE NOTICE
NO. 3**

BLM Lease Notice for Greater
Sage-Grouse Habitat

WY STD LEASE**STIPULATION NO. 3**

BLM Stipulations for Multiple
Mineral Development

**WY STD NOTICE TO
LESSEE**

BLM Lease Notice for
Attachment to Each Lease.
Mineral Leasing Act
requirements with respect to
coal leasing

WY SW_CSU_PHMA

BLM Stipulations for Greater
Sage-Grouse Priority Habitat
Management Areas (PHMAs) -
Core Only

WY SW_TLS_PHMAL

BLM Stipulations for Greater
Sage-Grouse breeding, nesting,
etc. Inside Priority Habitat
Management Areas (Core only)

WY SW_TLS_PHMAWCA

BLM Stipulations for Greater
Sage-Grouse Winter
Concentration Areas
EOI# WY00017900

WY-2023-06-1557 Split Estate

WY, Kemmerer Field Office,
Bureau of Land Management,
PD

T. 17 N., R. 119 W., 6TH PM

Sec. 2 LOTS 5 thru 8;

Sec. 2 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 4 LOTS 5 thru 8;

Sec. 4 S1/2NE1/4, S1/2NW1/4,
S1/2;

Sec. 28 ALL;

Sec. 34 ALL.

Uinta County

2559.24 Acres

Stipulations:

HQ-CR-1

BLM Stipulations for Cultural
Resource Protection

HQ-MLA-1

BLM Stipulations for Notice to
Lessee Concerning Mineral

Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY KFO_CSU_Slopes20
 BLM Stipulations for Slopes 20
 Percent or Greater
WY KFO_CSU_Soil
 BLM Stipulations for Soils that
 are Highly Erodible, Fragile,
 Nonproductive, and/or Chemical
 and Biological Crusts
WY KFO_NSO_Slopes40
 BLM Stipulations for Soils on
 Slopes Greater than 40 Percent
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act

requirements with respect to
 coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater
 Sage-Grouse Winter
 Concentration Areas
 EOI# WY00017899

WY-2023-06-1561
 WY, Kemmerer Field Office,
 Bureau of Land Management,
 PD
T. 17 N., R. 119 W., 6TH PM
 Sec. 30 LOTS 5 thru 8;
 Sec. 30 E1/2, E1/2NW1/4,
 E1/2SW1/4;
 Sec. 32 ALL.
 Uinta County
 1278.88 Acres
 Stipulations:
HQ-CR-1
 BLM Stipulations for Cultural
 Resource Protection
HQ-MLA-1
 BLM Stipulations for Notice to
 Lessee Concerning Mineral
 Leasing Act Section 2(a)(2)(A)
HQ-TES-1
 BLM Stipulations for
 Threatened and Endangered
 Species Act
WY KFO_CSU_Slopes20
 BLM Stipulations for Slopes 20
 Percent or Greater
WY KFO_CSU_Soil
 BLM Stipulations for Soils that
 are Highly Erodible, Fragile,
 Nonproductive, and/or Chemical
 and Biological Crusts

WY KFO_NSO_Slopes40
 BLM Stipulations for Soils on
 Slopes Greater than 40 Percent
WY KFO_TLS_BGCW
 BLM Stipulations for Big Game
 Crucial Winter Range
WY KFO_TLS_RN
 BLM Stipulations for Raptor
 Nests
WY STD LEASE NOTICE
NO. 1
 BLM Lease Notice for
 Reasonable Measures to
 Minimize Adverse Impacts to
 Resources
WY STD LEASE NOTICE
NO. 2
 BLM Lease Notice for National
 Historic Trails
WY STD LEASE NOTICE
NO. 3
 BLM Lease Notice for Greater
 Sage-Grouse Habitat
WY STD LEASE
STIPULATION NO. 3
 BLM Stipulations for Multiple
 Mineral Development
WY STD NOTICE TO
LESSEE
 BLM Lease Notice for
 Attachment to Each Lease.
 Mineral Leasing Act
 requirements with respect to
 coal leasing
WY SW_TLS_PHMAWCA
 BLM Stipulations for Greater
 Sage-Grouse Winter
 Concentration Areas
 EOI# WY00017902

5.2 Lease Stipulation Code Index

| STIPULATION CODE | STIPULATION LANGUAGE |
|------------------|----------------------|
|------------------|----------------------|

| | |
|------------------|--|
| WY_BFO_CSU_BEGE | CSU (1) Prior to surface disturbance within 1.0 mile of consistently used bald and golden eagle winter roosts and riparian corridors a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that wintering eagles will not be disturbed (as defined by the Bald and Golden Eagle Protection Act). Bald or golden eagles will not be agitated or bothered to a degree that causes or is likely to cause physical injury, or a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) protecting bald and golden eagle winter roosting habitat. |
| WY_BFO_CSU_BGCW | CSU (1) Prior to surface disturbance within Wyoming Game and Fish Department designated big game crucial winter range, a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the function and suitability of crucial big game winter ranges will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of crucial big game winter range. |
| WY_BFO_CSU_C100F | CSU (1) Prior to surface disturbance or disruptive activities near an entrance to a significant cave a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction that the action will not destroy, disturb, deface, mar, alter, remove, or harm any significant cave or alter the |
| | free movement of any animal or plant life into or out of any significant cave; (2) as mapped by the BLM; (3) protecting significant cave resources (any material or substance occurring naturally in caves, such as animal life, plant life, paleontological deposits, sediments, minerals, speleogens, and speleothems). |
| WY_BFO_CSU_CLBA | CSU (1) Surface use or occupancy shall not be allowed by oil and gas lessee(s), operating rights holder(s), and/or oil and gas operator(s) on this Federal oil and gas lease to conduct any oil and gas operation, including drilling for, removing, or disposing of oil and/or gas contained in Federal coal lease(s) unless a plan for mitigation of anticipated impacts is developed between the oil and gas and the coal lessees, and the Plan is approved by the BLM Authorized Officer; (2) on areas identified as highly likely to be considered in a Coal Lease By Application as mapped by the US Office of Surface Mining, Wyoming Department of Environmental Quality, US Geological Survey, and/or BLM; (3) protecting the first in time valid existing rights of the coal lessee, the BLM Authorized Officer reserves the right to alter or modify any oil and gas operations on the lands described in this lease ensuring the orderly development of the coal resource by surface and/or underground mining methods, coal mine worker safety, and/or coal production rates or recovery of the coal resource. The oil and gas lessee(s), operating rights holder(s), and/or oil and gas operator(s) of this Federal oil and gas lease shall not hold the United States as lessor, coal lessee(s), sub-lessee(s), and/or coal operator(s) liable for any damage or loss of the oil and gas resource, including the venting of coalbed natural gas, caused by coal exploration or mining operations conducted on Federal coal lease. |

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| WY_BFO_CSU_EC | <p>CSU (1) Prior to surface disturbance within Wyoming Game and Fish Department designated elk calving areas a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations.</p> <p>The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that the function and suitability of elk calving areas will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of elk calving areas.</p> |
| WY_BFO_CSU_ECWC | <p>CSU (1) Fluid mineral production and byproducts shall be piped out of, and permanent above ground facilities will be located outside of, Wyoming Game and Fish Department designated elk crucial winter range and calving areas unless a mitigation plan (Plan) is submitted by the applicant and approved by the BLM as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that the function and suitability of elk crucial winter range and elk calving areas will not be impaired; (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of elk crucial winter range and elk calving areas.</p> |
| WY_BFO_CSU_FCR | <p>CSU (1) Surface-disturbing and disruptive activities shall only be approved with adequate mitigation to ensure compliance with the Fortification Creek Resources Management Plan Amendment (BLM 2011) performance standards. Prior to surface disturbance within the Fortification Creek Planning Area a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate); (2) within the Fortification Creek Planning Area (Map 3-36); (3) protecting the viability of the Fortification elk herd and facilitating ecosystem reconstruction in the stabilization of disturbed areas.</p> |
| WY_BFO_CSU_FQM | <p>CSU (1) Prior to surface disturbance within 0.25 mile of naturally occurring water bodies containing native or desirable non-native fish species a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing</p> |
| | <p>activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that there will not be a local decline in fish abundance or range as a result of the lease operations. Examples of a few of the items to consider are as follows. Spill prevention measures must be used to ensure hydrocarbons and other potentially toxic substances used for lease activities are prevented from entering the watercourse. Sediment control measures must be used to ensure increased sediment contributions are avoided; (2) as mapped by the Wyoming Game and Fish Department and/or BLM; (3) protecting native and desirable non-native fish populations and habitat.</p> |
| WY_BFO_CSU_GSGRH | <p>CSU (1) All applicable surface disturbances (existing or future, and not limited to fluid mineral disturbances) must be restored, as described in the Buffalo Field Office Resource Management Plan, to the approval of the BLM Authorized Officer; (2) Greater Sage-Grouse Core Population Areas and Connectivity Corridors (Priority Habitat) as mapped on the Buffalo Field Office GIS database; (3) to restore functional Greater Sage-Grouse habitat to support core Greater Sage-Grouse populations.</p> |

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| WY_BFO_CSU_H | CSU (1) Prior to surface disturbance within 3 miles of the Pumpkin Buttes, Cantonment Reno, Dull Knife Battle, and Crazy Woman Battle historic properties, contributing and unevaluated segments of the Bozeman Trail, all rock art sites, all rock shelter sites, and all Native American burials, a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions after consultation with the State Historic Preservation Office, applicable Indian tribes, and other interested parties. The Plan must demonstrate to the Authorized Officer's satisfaction that there will be no adverse effects to National Register of Historic Places eligible or listed historic properties (i.e., the infrastructure will either not be visible or will result in a weak contrast rating); (2) as mapped on the Buffalo Field Office GIS database; (3) ensuring the setting of historic properties. |
| WY_BFO_CSU_H20500F | CSU (1) Prior to surface disturbance within 500 feet of springs, reservoirs not associated with coal bed natural gas projects, water wells, and perennial streams a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. Storm water and surface runoff will be controlled to minimize erosion (rilling, gully, piping, mass wasting) and offsite siltation during construction, use/operations, and reclamation. Offsite areas will be protected from accelerated soil erosion. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey's National Hydrologic Inventory and/or as determined by a BLM evaluation of the area; (3) ensuring protection of surface waters and associated riparian habitats by meeting the standards outlined in, Chapter 6 of the BLM's Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision. |
| WY_BFO_CSU_PD | CSU (1) Prior to surface disturbance within active prairie dog colonies on BLM-administered surface a special status species occupancy survey must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that activities with active prairie dog colonies on BLM surface would not adversely impact suitable habitat for special status species dependent upon prairie dog colonies; (2) as mapped or determined on the Buffalo Field Office GIS database or from field evaluation, in coordination with the |
| | US Fish and Wildlife Service and Wyoming Game and Fish Department; (3) conserving special status species wildlife and the prairie dog colonies on which they depend. |
| WY_BFO_CSU_PHMAC | CSU (1) Surface occupancy or use will be restricted. The cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the Disturbance Density Calculation Tool (DDCT) area, as described in the DDCT manual; (2) as mapped on the Buffalo Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Connectivity only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Connectivity only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs (Connectivity only) or surface disturbance created by other land users. The BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases. |

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| WY_BFO_CSU_R500F | <p>CSU (1) Prior to surface disturbance within 500 feet of riparian systems, wetlands, and aquatic habitats a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. Storm water and surface runoff will be controlled to minimize erosion (rilling, gully, piping, mass wasting) and offsite siltation during construction, use/operations, and reclamation. Offsite areas will be protected from accelerated soil erosion. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey's National Hydrologic Inventory and/or as determined by a BLM evaluation of the area; (3) ensuring protection of surface waters and associated riparian habitats by meeting the standards outlined in, Chapter 6 of the BLM's Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |
| WY_BFO_CSU_RN | <p>CSU (1) Prior to surface disturbance within US Fish and Wildlife Service recommended spatial buffers of raptor nests a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that nesting raptors will not be disturbed. Nesting raptors will not be agitated or bothered to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior, or nest abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by the BLM from field evaluation in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring raptor productivity.</p> |
| WY_BFO_CSU_SE | <p>CSU (1) Prior to surface disturbance on soils with a severe erosion hazard rating a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability.</p> |
| | <p>Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the Natural Resources Conservation Service Soil Survey Geographic Database (SSURGO) Order 3 soil survey and/or as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on soils with a severe erosion hazard rating in order to meet the standards outlined in Chapter 6 the BLM's Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |

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| WY_BFO_CSU_Slopes25to50 | <p>CSU (1) Prior to surface disturbance on slopes greater than 25% and less than 50% a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The Plan must include designs approved and stamped by a licensed engineer. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. Slope stability is maintained preventing slope failure or mass wasting. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability. Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the US Geological Survey (USGS) 1:24,000 scale topographic maps, USGS Digital Elevation Models, and/or as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on slopes greater than 25% and less than 50% in order to meet the standards outlined in Chapter 6 of the BLM's Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |
| WY_BFO_CSU_SLR | <p>CSU (1) Prior to surface disturbance on limited reclamation potential areas a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The Plan must include designs approved and stamped by a licensed engineer. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the BLM Authorized Officer's satisfaction how the operator will meet the following performance standards. The disturbed area will be stabilized with no evidence of accelerated erosion features. The disturbed area shall be managed to ensure soil characteristics approximate an appropriate reference site with regard to erosional features to maintain soil productivity and sustainability. Slope stability is maintained preventing slope failure and erosion. Sufficient viable topsoil is maintained for ensuring successful final reclamation. At locations where interim reclamation will be completed, this will be accomplished by respreading all salvaged topsoil over the areas of interim reclamation. The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation; (2) as mapped by the Natural Resources Conservation Service Soil Survey Geographic Database (SSURGO) Order 3 soil survey and as determined by a BLM evaluation of the area; (3) ensuring successful reclamation and erosion control on limited reclamation potential areas in order to meet the standards outlined in, Chapter 6 of the BLM's Oil and Gas Gold Book, as revised, and the 2015 Buffalo Field Office Resource Management Plan Record of Decision.</p> |
| WY_BFO_CSU_SSP | <p>CSU (1) Prior to surface disturbance within Ute ladies'-tresses orchid habitat flowering season survey(s) must be conducted and a mitigation plan (Plan) must be submitted</p> |
| | <p>to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that Ute ladies'-tresses orchids will not be harmed and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Natural Diversity Database, the Buffalo Field Office GIS database, or from field evaluation; (3) conserving Ute ladies'-tresses orchids and the habitat on which they depend.</p> |

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| WY_BFO_CSU_SSPF | CSU (1) Prior to surface disturbance within special status plant species habitats, flowering season surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that special status plant species will not be harmed and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Natural Diversity Database, the Buffalo Field Office GIS database, or from field evaluation; (3) conserving special status plant species and the habitat on which they depend. |
| WY_BFO_CSU_SSWLA | CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of perennial water, vernal pools, playas, and wetlands appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer's satisfaction that special status amphibian species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, sheltering, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, sheltering, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring production of special status amphibian species breeding, sheltering, and hibernation habitat. |
| WY_BFO_CSU_SSWLB | CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of cave entrances, mature forest, and rock outcrops appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer's satisfaction that special status bat species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, nursery, roosting, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, nursery, roosting, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring protection of special status bat species breeding, nursery, roosting, and hibernation habitat. |
| WY_BFO_CSU_SSWLH | CSU (1) Prior to surface disturbance within special status species wildlife habitat an occupancy survey must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that special |
| | status wildlife species will not be harmed (any act which actually kills or injures wildlife including habitat modification or degradation that substantially impairs essential behavioral patterns) and that the habitat on which they depend will be conserved; (2) as mapped or determined by the US Fish and Wildlife Service, Wyoming Game and Fish Department, Wyoming Natural Diversity Database, or BLM from field evaluation; (3) conserving special status species wildlife and the habitat on which they depend (BLM 2008 -6840 manual). |

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| WY_BFO_CSU_SSWLR | <p>CSU (1) Prior to surface disturbance within 1,640 feet (500 meters) of south facing rock outcrops, perennial water, vernal pools, playas, and wetlands appropriate surveys must be conducted and a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations.</p> <p>The operator may not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan or approved it with conditions. The Plan must demonstrate to the Authorized Officer’s satisfaction that special status reptile species will not be disturbed to a degree that causes or is likely to cause physical injury, a decrease in productivity by substantially interfering with normal breeding, basking, sheltering, or hibernation behavior, or site abandonment by substantially interfering with normal breeding, basking, sheltering, or hibernation behavior; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring production of special status reptile species breeding, basking, sheltering, and hibernation habitat.</p> |
| WY_BFO_CSU_STG | <p>CSU (1) Prior to surface disturbance within 0.25 mile of the perimeter of occupied sharp-tailed grouse leks a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations.</p> <p>The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer’s satisfaction that the function and suitability of sharp-tailed grouse breeding habitat will not be impaired (result in physical injury, a decrease in productivity by substantially interfering with normal breeding, feeding, or sheltering behavior, or lek abandonment by substantially interfering with normal breeding, feeding, or sheltering behavior); (2) as mapped by the Wyoming Game and Fish Department; (3) ensuring the function and suitability of sharp-tailed grouse breeding habitat.</p> |
| WY_BFO_CSU_TCP | <p>CSU (1) Prior to surface disturbance within 3 miles of traditional cultural properties a mitigation plan (Plan) must be submitted by the applicant. The Plan must be approved or approved with conditions by the BLM Authorized Officer prior to surface-disturbing activities after consultation with the State Historic Preservation Office, applicable Indian tribes, and other interested parties. The Plan must demonstrate there will be no adverse effects to National Register of Historic Places eligible or listed historic properties (i.e., proposed infrastructure is either not visible or will result in a weak contrast rating); (2) as mapped on the Buffalo Field Office GIS database; (3) ensuring the setting of traditional cultural properties.</p> |
| WY_BFO_CSU_VRMII | <p>CSU (1) Prior to surface disturbance within Visual Resource Management (VRM) Class 2 areas, a site-specific plan must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the plan (with conditions, as appropriate). The plan must demonstrate to the BLM Authorized Officer’s satisfaction how the operator will meet the following performance standards. A visual contrast rating must demonstrate that VRM Class 2 objectives will be met. Where required by the BLM Authorized Officer, a visual simulation must be prepared and must demonstrate that VRM Class 2 objectives will be met through practices such as siting of permanent facilities. Where present and feasible, existing surface disturbances shall be utilized. New surface disturbances shall be minimized to the extent practicable. All permanent above-ground facilities (such as production tanks or other production facilities) not having specific coloration requirements for safety must be painted or designed using a BLM-</p> |
| | <p>approved color; (2) as mapped on the Buffalo Field Office GIS database; (3) protecting VRM Class 2 areas.</p> |

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| WY_BFO_CSU_WHSRMA | CSU (1) Prior to surface disturbance within Special Recreation Management Areas (SRMAs) available for leasing (Weston Hills) a mitigation plan (Plan) must be submitted to the BLM by the applicant as a component of the Application for Permit to Drill (BLM Form 3160-3) or Sundry Notice (BLM Form 3160-5) – Surface Use Plan of Operations. The operator shall not initiate surface-disturbing activities unless the BLM Authorized Officer has approved the Plan (with conditions, as appropriate). The Plan must demonstrate to the Authorized Officer's satisfaction that the proposed action is consistent with the prescribed management for the SRMA; (2) as mapped or determined by BLM; (3) ensuring the recreational opportunities and setting of the SRMA. |
| WY_BFO_NSO_BEGE | NSO (1) Within 0.5 miles from the edge of consistently used bald or golden eagle winter roosts and Clear Creek, Crazy Woman Creek, Piney Creek, Powder River, and Tongue River, consistently used riparian corridors, as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) protecting wintering bald and golden eagles. |
| WY_BFO_NSO_BEN | NSO (1) Within 0.5 mile of bald eagle nests as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) ensuring productivity of bald eagles. |
| WY_BFO_NSO_BGHMA | NSO (1) Within Wyoming Game and Fish Department Big Game Habitat Management Areas (Ed O. Taylor, Kerns, Bud Love, and Amsden Creek) as mapped by the Wyoming Game and Fish Department; (2) ensuring the function and suitability of Wyoming Game and Fish Department Big Game Habitat Management Areas. |
| WY_BFO_NSO_H | NSO (1) Within the Pumpkin Buttes, Cantonment Reno, Dull Knife Battle, and Crazy Woman Battle historic properties, contributing and unevaluated segments of the Bozeman Trail, all rock art sites, all rock shelter sites, all Native American burials; as mapped on the Buffalo Field Office GIS database; (2) protecting historic properties. |
| WY_BFO_NSO_HIP | NSO (1) No surface occupancy or use is allowed on lands containing paleontological resources of high quality or importance as mapped on the Buffalo Field Office GIS database; (2) protecting paleontological resources of high quality or importance. |
| WY_BFO_NSO_PBACEC | NSO (1) Within the Pumpkin Buttes Area of Critical Environmental Concern as mapped or determined by BLM; (2) protecting the relevant and important values. |
| WY_BFO_NSO_Slopes50 | NSO (1) On slopes greater than 50% as mapped by the US Geological Survey 1:24,000 scale topographic maps, US Geological Survey Digital Elevation Models, and/or as determined by a BLM evaluation of the area; (2) preventing mass slope failure and accelerated erosion. |
| WY_BFO_NSO_SSF | NSO (1) Within 0.25 mile of any waters containing special status fish species as mapped on the Buffalo Field Office GIS database or from field evaluation, in consultation with the Wyoming Game and Fish Department; (2) protecting special status fish populations and habitat. |
| WY_BFO_NSO_SSP | NSO (1) Within special status species plant populations as mapped on the Buffalo Field Office GIS database, or determined by BLM from field evaluation, in coordination with the Wyoming Natural Diversity Database and/or US Fish and Wildlife Service; (2) protecting special status species plant populations. |
| WY_BFO_NSO_SSRN | NSO (1) Within a species specific spatial buffer of special status species raptor nests using US Fish and Wildlife Service Wyoming Ecological Service's recommendations (Appendix Q (p. 633) or www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (2) protecting nest sites of special status raptors. |
| WY_BFO_NSO_TCP | NSO (1) On lands containing traditional cultural properties as mapped on the Buffalo Field Office GIS database; (2) protecting traditional cultural properties. |
| WY_BFO_TLS_BEN | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Feb 1 to Aug 15 within 1.0 mile of active bald eagle nests; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination |
| | with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring productivity of bald eagles. |

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| WY_BFO_TLS_BGCWEC | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Nov 15 to Apr 30 within big-game crucial winter range, or from May 1 to Jun 15 within elk calving areas (Wyoming Game and Fish Department 2009); (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of crucial big game winter ranges. |
| WY_BFO_TLS_EC | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from May 1 to Jun 15 within elk calving areas (Wyoming Game and Fish Department 2009); (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of elk calving areas. |
| WY_BFO_TLS_EWR | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Nov 1 to Apr 1 within 1.0 mile from the edge of consistently used eagle winter roosts and the following consistently used riparian corridors: Clear Creek, Crazy Woman Creek, Piney Creek, Powder River, and Tongue River; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) protecting roosting eagles. |
| WY_BFO_TLS_NSSRN | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted within the US Fish and Wildlife Service Wyoming Ecological Service's recommended spatial buffers and dates of active non-special status species raptor nests. (Appendix Q (p. 633) or www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html); (2) as mapped on the Buffalo Field Office GIS database or determined by BLM from field evaluation in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring raptor nest productivity. |
| WY_BFO_TLS_PHMAC | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Buffalo Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside Priority Habitat Management Areas (Connectivity only), within 4 miles of an occupied lek. |
| WY_BFO_TLS_PHMAL | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Buffalo Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside designated Priority Habitat Management Areas (Core only). Where credible data support different timeframes for this restriction, dates may be expanded by 14 days prior or subsequent to the above dates. |
| WY_BFO_TLS_PHMAWCA | TLS (1) Dec 1 to Mar 14; (2) as mapped on the Buffalo Field Office GIS database; (3) to seasonally protect Greater Sage-Grouse winter concentration areas in designated Priority Habitat Management Areas (Core and Connectivity), and outside designated PHMAs (Core and Connectivity) when supporting wintering Greater Sage-Grouse that attend leks within designated PHMAs (Core only). |
| WY_BFO_TLS_SSRN | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted within US Fish and Wildlife Service recommended spatial buffers and dates (Appendix Q (p. 633) or www.fws.gov/wyominges/Pages/Species/Species_SpeciesConcern/Raptors.html) of active raptor nests of special status species; (2) as mapped on the Buffalo Field Office GIS database or determined by field evaluation, in coordination with the Wyoming Game and Fish Department and/or US Fish and Wildlife Service; (3) ensuring productivity of nesting special status raptors. |
| WY_BFO_TLS_STG | TLS (1) Surface-disturbing and disruptive activities are prohibited or restricted from Apr 1 to Jul 15 (Wyoming Game and Fish Department 2009) within 2 miles of the perimeter of occupied sharp-tailed grouse leks; (2) as mapped by the Wyoming Game and Fish Department and evaluated by the BLM; (3) ensuring the function and suitability of sharp-tailed grouse nesting habitat. |
| WY_LFO_CSU_BRMLP2024 | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting unique plant communities, cultural sites, viewshed, geologic resources, wild horse migration routes, and riparian-wetland resources of the Beaver Rim Master Leasing Plan analysis area. |
| WY_LFO_CSU_LRPS1013 | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting limited reclamation potential soils. |

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| WY_LFO_CSU_PYFC5058 | CSU (1) Surface use or occupancy is restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting fossil resources within designated “very high” or “high” potential fossil yield classification areas. |
| WY_LFO_CSU_RHTEH5018 | CSU (1) Surface use or occupancy will be restricted within a 2-mile buffer of Regional Historic Trails and Early Highways; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Regional Historic Trails and Early Highways and their settings. |
| WY_LFO_CSU_S15TO24P101 4 | CSU (1) Surface occupancy or use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting areas containing slopes between 15 and 24 percent. |
| WY_LFO_CSU_SR6124 | CSU (1) Surface use or occupancy is restricted within the Sweetwater Rocks viewshed; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Sweetwater Rocks periphery. |
| WY_LFO_CSU_VRM5066 | CSU (1) Surface occupancy or use is restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting VRM Class I and II areas. |
| WY_LFO_CSU1048 | CSU (1) Surface occupancy and use will be restricted; (2) as mapped on the Lander field Office GIS database; (3) protecting 100-year floodplains and riparian-wetland areas. |
| WY_LFO_CSU2024 | CSU (1) Surface occupancy and use will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting 100-year floodplains within the Beaver Rim Master Leasing Plan analysis area. |
| WY_LFO_CSU5025 | CSU (1) Surface use or occupancy will be restricted; (2) as mapped on the Lander Field Office GIS database; (3) protecting the Cedar Ridge Traditional Cultural Property periphery. |
| WY_LFO_NSO_ACEC7059 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting the relevant and important Area of Critical Environmental Concern values. |
| WY_LFO_NSO_BRH4095 | NSO (1) Within 0.25-mile of identified bat maternity roosts and hibernation sites as mapped on the Lander Field Office GIS database; (2) protecting bat maternity roosts and hibernation sites. |
| WY_LFO_NSO_BRMLP2024 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting unique plant communities, cultural sites, viewshed, and geologic resources in the Beaver Rim Master Leasing Plan area. |
| WY_LFO_NSO_CG5034 | NSO (1) as mapped on the Lander Field Office GIS database; (2) protecting the Castle Gardens cultural site and periphery. |
| WY_LFO_NSO_HTAC4045 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting wildlife, cultural resources, viewshed, and/or recreational use(s) in the Hudson to Atlantic City area. |
| WY_LFO_NSO_NTMC7002 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting Congressionally Designated Trails and their settings. |
| WY_LFO_NSO_OPR4088 | NSO (1) Within 200 feet of occupied pygmy rabbit habitat, as mapped in the Lander Field Office GIS database; (2) protecting pygmy rabbit habitat. |
| WY_LFO_NSO_PSW4031 | NSO (1) Within 500 feet of perennial surface waters, riparian-wetland areas, and/or playas, as mapped on the Lander Field Office GIS database; (2) protecting perennial surface waters, riparian-wetland areas, and/or playas outside of Designated Development Areas. |
| WY_LFO_NSO_PSWDDA4031 | NSO (1) Within 500 feet of perennial surface waters, riparian-wetland areas, and/or playas, as mapped on the Lander Field Office GIS database; (2) protecting perennial surface waters, riparian-wetland areas, and/or playas within Designated Development Areas. |
| WY_LFO_NSO_REC6086 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting developed recreation sites. |
| WY_LFO_NSO_SG25P1014 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting areas containing slopes greater than 25 percent. |
| WY_LFO_NSO_YERMO4084 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting desert yellowhead population management areas. |
| WY_LFO_NSO1045 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting identified sole source aquifers. |
| WY_LFO_NSO2024 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting 100-year floodplains within the Beaver Rim Master Leasing Plan analysis area. |

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| WY_LFO_NSO2031 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting resources within 0.25-mile of National Register of Historic Places-eligible Native America cultural resource sites. |
| WY_LFO_NSO4070 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting wildlife parturition areas and viewshed south of Green Mountain. |
| WY_LFO_NSO5024 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting the Cedar Ridge Traditional Cultural Property. |
| WY_LFO_NSO5050 | NSO (1) As mapped on the Lander Field Office GIS database; (2) protecting Sacred, Spiritual, and Traditional Cultural Properties. |
| WY_LFO_TLS_BGCW4061 | TLS (1) Nov 15 to Apr 30; (2) as mapped on the Lander Field Office database; (3) protecting big game crucial winter range. |
| WY_LFO_TLS_BGCWP4061 | TLS (1) May 1 to Jun 30; (2) as mapped on the Lander Field Office database; (3) protecting big game parturition areas. |
| WY_LFO_TLS_EWR4062 | TLS (1) Nov 15 to Apr 30; (2) as mapped on the Lander Field Office GIS database; (3) protecting elk winter range. |
| WY_LFO_TLS_FFS4053 | TLS (1) Sep 15 to Nov 30; (2) as mapped on the Lander Field Office GIS database; (3) protecting fall spawning habitat within the identified bankfull channel width of fish-bearing streams. |
| WY_LFO_TLS_FSS4053 | TLS (1) Mar 15 to Jul 31; (2) as mapped on the Lander Field Office GIS database; (3) protecting spring spawning habitat within the identified bankfull channel width of fish-bearing streams. |
| WY_LFO_TLS_MPN4094 | TLS (1) Apr 10 to Jul 10; (2) within 0.25-mile of identified mountain plover habitat, as mapped on the Lander Field Office GIS database, (3) protecting mountain plover nesting habitat. |
| WY_LFO_TLS_PHMAWCA | TLS (1) Dec 1 to Mar 14; (2) as mapped on the Lander Field Office GIS database; (3) seasonally protecting Greater Sage-Grouse winter concentration areas. |
| WY_LFO_TLS_RN4071 | TLS (1) Within 1 mile of bald eagle and ferruginous hawk nests and 0.75-mile of all other active raptor nests during the following time periods, Apr 1 to Aug 31 for northern goshawk, Apr 1 to Sep 15 for burrowing owl, Feb 1 to Aug 15 for bald and/or golden eagles, and Feb 1 to Jul 31 for all other raptors; (2) as mapped on the Lander Field Office GIS database; (3) protecting active raptor nests. |
| WY_NFO_CSU_PHMAC | CSU (1) Surface occupancy or use will be restricted. The cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the Disturbance Density Calculation Tool (DDCT) area, as described in the DDCT manual; (2) as mapped on the Newcastle Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Connectivity only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Connectivity only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs (Connectivity only) or surface disturbance created by other land users. The BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases. |
| WY_NFO_TLS_PHMAC | TLS (1) Mar 15 to Jun 30; (2) as mapped on the Newcastle Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside Priority Habitat Management Areas (Connectivity only), within 4 miles of an occupied lek. |
| WY_SW_CSU_PHMA | CSU (1) Surface occupancy or use will be restricted to no more than an average of one disturbance location per 640 acres using the Disturbance Density Calculation Tool (DDCT), and the cumulative value of all applicable surface disturbances, existing or future, must not exceed 5 percent of the DDCT area, as described in the DDCT manual; (2) as mapped on the applicable Field Office GIS database; (3) to protect Greater Sage-Grouse designated Priority Habitat Management Areas (Core only) from habitat fragmentation and loss. This lease does not guarantee the lessee the right to occupy the surface of the lease for the purpose of producing oil and natural gas within Greater Sage-Grouse designated PHMAs (Core only). The surface occupancy restriction criteria identified in this stipulation may preclude surface occupancy and may be beyond the ability of the lessee to meet due to existing surface disturbance on Federal, State, or private lands within designated PHMAs |

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| | (Core only) or surface disturbance created by other land users. The BLM may require the lessee or operator to enter into a unit agreement or drilling easement to facilitate the equitable development of this and surrounding leases. |
| WY_SW_NSO_GHMAL | NSO (1) As mapped on the applicable Field Office GIS database; (2) to protect occupied Greater Sage-Grouse leks and associated seasonal habitat, life-history, or behavioral needs of Greater Sage-Grouse in proximity to leks from habitat fragmentation and loss, and protect Greater Sage-Grouse populations from disturbance within a 0.25-mile radius of the perimeter of occupied Greater Sage-Grouse leks outside designated Priority Habitat Management Areas (Core and Connectivity). |
| WY_SW_NSO_PHMAL | NSO (1) As mapped on the applicable Field Office GIS database; (2) to protect occupied Greater Sage-Grouse leks and associated seasonal habitat, life-history, or behavioral needs of Greater Sage-Grouse in proximity to leks from habitat fragmentation and loss, and protect Greater Sage-Grouse populations from disturbance within a 0.6-mile radius of the perimeter of occupied Greater Sage-Grouse leks inside designated Priority Habitat Management Areas (Core and Connectivity). |
| WY_SW_TLS_GHMAL | TLS (1) Mar 15 to Jun 30; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats outside designated Priority Habitat Management Areas (Core and Connectivity), within 2 miles of an occupied lek. |
| WY_SW_TLS_PHMAL | TLS (1) Mar 15 to Jun 30; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse breeding, nesting and early brood-rearing habitats (independent of habitat suitability) inside designated Priority Habitat Management Areas (Core only). |
| WY_SW_TLS_PHMAWCA | TLS (1) Dec 1 to Mar 14; (2) as mapped on the applicable Field Office GIS database; (3) no surface use to seasonally protect Greater Sage-Grouse winter concentration areas in designated Priority Habitat Management Areas (Core only), and outside designated PHMAs (Core only) when supporting wintering Greater Sage-Grouse that attend leks within designated PHMAs (Core only). |

Lease Notices and Stipulations

Lease Notice No. 1 – Reasonable Measures to Minimize Adverse Impacts to Resources (applies to all parcels)

Under Regulation 43 CFR 3101.1-2 and terms of the lease (BLM Form 3100-11), the authorized officer may require reasonable measures to minimize adverse impacts to other resource values, land uses, and users not addressed in lease stipulations at the time operations are proposed. Such reasonable measures may include, but are not limited to, modification of siting or design of facilities, timing of operations, and specification of interim and final reclamation measures, which may require relocating proposed operations up to 200 meters, but not off the leasehold, and prohibiting surface disturbance activities for up to 60 days.

The lands within this lease may include areas not specifically addressed by lease stipulations that may contain special values, may be needed for special purposes, or may require special attention to prevent damage to surface and/or other resources. Possible special areas are identified below. Any surface use or occupancy within such special areas will be strictly controlled or, if absolutely necessary, prohibited. Appropriate modifications to imposed restrictions will be made for the maintenance and operation of producing wells.

1. Slopes in excess of 25 percent.
2. Within 500 feet of surface water and/or riparian areas.
3. Construction with frozen material or during periods when the soil material is saturated or when watershed damage is likely to occur.
4. Within 500 feet of Interstate highways and 200 feet of other existing rights-of-way (i.e., U.S. and State highways, roads, railroads, pipelines, powerlines).
5. Within 1/4 mile of occupied dwellings.
6. Material sites.

GUIDANCE: The intent of this notice is to inform interested parties (potential lessees, permittees, operators) that when one or more of the above conditions exist, surface disturbing activities will be prohibited unless or until the

permittee or the designated representative and the surface management agency (SMA) arrive at an acceptable plan for mitigation of anticipated impacts. This negotiation will occur prior to development and become a condition for approval when authorizing the action. Specific threshold criteria (e.g., 500 feet from water) have been established based upon the best information available. However, geographical areas and time periods of concern must be delineated at the field level (i.e., "surface water and/or riparian areas" may include both intermittent and ephemeral water sources or may be limited to perennial surface water). The referenced oil and gas leases on these lands are hereby made subject to the stipulation that the exploration or drilling activities will not interfere materially with the use of the area as a materials site/free use permit. At the time operations on the above lands are commenced, notification will be made to the appropriate agency. The name of the appropriate agency may be obtained from the proper BLM Field Office.

Lease Notice No. 2 – National Historic Trails (applies to all parcels)

BACKGROUND: The Bureau of Land Management (BLM), by including National Historic Trails within its National Landscape Conservation System, has recognized these trails as national treasures. Our responsibility is to review our strategy for management, protection, and preservation of these trails. The National Historic Trails in Wyoming, which include the Oregon, California, Mormon Pioneer, and Pony Express Trails, as well as the Nez Perce Trail, were designated by Congress through the National Trails System Act (P.L. 90-543; 16 U.S.C. 1241-1251) as amended through P.L. 106-509 dated November 13, 2000. Protection of the National Historic Trails is normally considered under the National Historic Preservation Act (P.L. 89-665; 16 U.S.C. 470 et seq.) as amended through 1992 and the National Trails System Act. Additionally, Executive Order 13195, "Trails for America in the 21st Century," signed January 18, 2001, states in Section 1: "Federal agencies will...protect, connect, promote, and assist trails of all types throughout the United States. This will be accomplished by: (b) Protecting the trail corridors associated with national scenic trails and the high priority potential sites and segments of national historic trails to the degrees necessary to ensure that the values for which each trail was established remain intact." Therefore, the BLM will be considering all impacts and intrusions to the National Historic Trails, their associated historic landscapes, and all associated features, such as trail traces, grave sites, historic encampments, inscriptions, natural features frequently commented on by emigrants in journals, letters and diaries, or any other feature contributing to the historic significance of the trails. Additional National Historic Trails will likely be designated amending the National Trails System Act. When these amendments occur, this notice will apply to those newly designated National Historic Trails as well.

STRATEGY: The BLM will proceed in this objective by conducting a viewshed analysis on either side of the designated centerline of the National Historic Trails in Wyoming, except, at this time, for the Nez Perce Trail, for the purpose of identifying and evaluating potential impacts to the trails, their associated historic landscapes, and their associated historic features. Subject to the viewshed analysis and archaeological inventory, reasonable mitigation measures may be applied. These may include, but are not limited to, modification of siting or design of facilities to camouflage or otherwise hide the proposed operations within the viewshed. Additionally, specification of interim and final reclamation measures may require relocating the proposed operations within the leasehold. Surface disturbing activities will be analyzed in accordance with the National Environmental Policy Act of 1969 (P.L. 91- 190; 42 U.S.C. 4321-4347) as amended through P.L. 94-52, July 3, 1975 and P.L. 94-83, August 9, 1975, and the National Historic Preservation Act, supra, to determine if any design, siting, timing, or reclamation requirements are necessary. This strategy is necessary until the BLM determines that, based on the results of the completed viewshed analysis and archaeological inventory, the existing land use plans (Resource Management Plans) have to be amended. The use of this lease notice is a pre-decisional action, necessary until final decisions regarding surface disturbing restrictions are made. Final decisions regarding surface disturbing restrictions will take place with full public disclosure and public involvement over the next several years if BLM determines that it is necessary to amend existing land use plans.

GUIDANCE: The intent of this notice is to inform interested parties (potential lessees, permittees, operators) that when any oil and gas lease contains remnants of National Historic Trails, or is located within the viewshed of a National Historic Trails' designated centerline, surface disturbing activities will require the lessee, permittee, operator or, their designated representative, and the surface management agency (SMA) to arrive at an acceptable plan for mitigation of anticipated impacts. This negotiation will occur prior to development and become a condition for approval when authorizing the action.

Lease Notice No. 3 – Greater Sage-Grouse Habitat (applies to all parcels)

Greater Sage-Grouse Habitat: The lease may in part, or in total, contain important Greater sage-grouse habitats as identified by the BLM, either currently or prospectively. The operator may be required to implement specific measures to reduce impacts of oil and gas operations on the Greater sage-grouse populations and habitat quality. Such measures shall be developed during the Application for Permit to Drill (APD) on-site and environmental review process and will be consistent with the lease rights granted.

Lease Notice 1041 – Water Monitoring Plans

Lease Notice. Require water monitoring plans for new activities resulting in surface discharges of water to track changes in receiving channels and to minimize adverse impacts to watershed health. If adverse impacts to receiving channels or watershed health occur, require development and implementation of water management plans which include reclamation strategies and mitigation to address impacts. Avoid BLM-authorized activities and infrastructure such as unlined impoundment ponds/pits, reserve pits, and evaporation ponds that could result in the contamination of sensitive water resources, including Source Water Protection Areas identified in Wellhead or Source Water Protection Plans approved local governing bodies and “High” and “Moderately High” sensitivity aquifer systems identified through the use of the Wyoming Groundwater Vulnerability Assessment Handbook or similar document as updated over time to the maximum extent possible. Where such activities or infrastructure cannot be avoided, apply mitigation to reduce potential impacts on a case-by-case basis.

WY Std Special Lease Notice II – Big Game Migration

Special Lease Notice: This parcel is located wholly or partially within a big game migration corridor designated by the State of Wyoming. The lessee or their designated operator will be required to work with the BLM and the State of Wyoming to take reasonable measures (see 43 CFR 3101.1-2) to maintain big game migration corridor functionality pursuant to State of Wyoming Executive Order 2020-1. The BLM will encourage the use of Master Development Plans for operations proposed on this lease parcel in accordance with Onshore Oil and Gas Order No. 1.

Special Lease Notice – Unplugged Well Bore

Unplugged wellbore(s) and/or other facilities are located on this parcel. For more information, please contact a Petroleum Engineer at the [insert office name] Field Office at (307) [insert phone number].

Lease Stipulation No. 1 – Historic Properties (applies to all parcels)

This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, Executive Order 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations (e.g., State Historic Preservation Officer (SHPO) and tribal consultation) under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated

Lease Stipulation No. 2 – Endangered Species Act Section 7 Consultation Stipulation (applies to all parcels)

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. The BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. The BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. § 1531 et seq., including completion of any required procedure for conference or consultation.

Lease Stipulation No. 3 – Multiple Mineral Development (applies to all parcels)

Operations will not be approved which, in the opinion of the authorized officer, would unreasonably interfere with the orderly development and/or production from a valid existing mineral lease issued prior to this one for the same lands.

5.2 Hydraulic Fracturing White Paper (July 5, 2013)

BACKGROUND

Hydraulic fracturing (HF) is a well stimulation process used to maximize the extraction of underground resources – oil, natural gas and geothermal energy. The HF process includes the acquisition of water/mixing of chemicals, production zone fracturing, and HF flowback disposal.

In the United States, HF has been used since the 1940's. Early on, the HF process utilized pressures that are of a much smaller magnitude than those used today.

The HF process involves the injection of a fracturing fluid and propping agent into the hydrocarbon bearing formation under sufficient pressure to further open existing fractures and/or create new fractures. This allows the hydrocarbons to more readily flow into the wellbore. HF has gained interest recently as hydrocarbons previously trapped in low permeability tight sand and shale formations are now technically and economically recoverable. As a result, oil and gas production has increased significantly in the United States. The state of Wyoming classifies all gas production zones as Class 5 groundwater zones; this means these zones can be highly impacted by oil and gas activities and are exempt from regulation under the Clean Water Act. However, operations within these zones cannot cause other zones to lose their use classification.

Prior to the development of hydrocarbon bearing tight gas and shale formations, domestic production of conventional resources had been declining. In response to this decline, the federal government in the 1970's through 1992, passed tax credits to encourage the development of unconventional resources. It was during this time that the HF process was further advanced to include the high-pressure multi-stage frac jobs used today.

Generally, HF can be described as follows:

1. Water, proppant, and chemical additives are pumped at extremely high pressures down the wellbore.
2. The fracturing fluid is pumped through perforated sections of the wellbore and into the surrounding formation, creating fractures in the rock. The proppant holds the fractures open during well production.
3. Company personnel continuously monitor and gauge pressures, fluids and proppants, studying how the sand reacts when it hits the bottom of the wellbore, slowly increasing the density of sand to water as the frac progresses.
4. This process may be repeated multiple times, in "stages" to reach maximum areas of the formation(s). The wellbore is temporarily plugged between each stage to maintain the highest fluid pressure possible and get maximum fracturing results in the rock.
5. The plugs are drilled or removed from the wellbore and the well is tested for results.
6. The pressure is reduced and the fracturing fluids are returned up the wellbore for disposal or treatment and re-use, leaving the sand in place to prop open the fractures and allow the oil/gas to flow.

OPERATIONAL ISSUES

Wells that undergo HF may be drilled vertically, horizontally, or directionally and the resultant fractures induced by HF can be vertical, horizontal, or both. Wells in Wyoming (WY) may extend to depths greater than 20,000 feet or less than 1,000 feet, and horizontal sections of a well may extend several thousand feet from the production pad on the surface¹⁴.

The total volume of fracturing fluids is generally 95-99% water. The amount of water needed to fracture a well in WY depends on the geologic basin, the formation, and depth and type of well (vertical, horizontal, directional), and the proposed completion process.

¹⁴ See Kemmerer RMP (2010), Pinedale RMP (2008), Green River RMP (1997), Rock Springs RMP Revision, and Rawlins RMP (2008) RFD and/or Mineral Occurrence Reports for specific information on current and projected oil and gas development.

In general, approximately 50,000 to 300,000 gallons may be used to fracture shallow coalbed methane wells in the Powder River Basin, while approximately 800,000 to 2 million gallons may be used to fracture deep tight sand gas wells in southwestern WY. In the Niobrara oil play, approximately 250,000 gallons may be used to fracture a vertical well, while up to 5 million gallons may be used to fracture a horizontal well.

Proppant, consisting of synthetic or natural silica sand, may be used in quantities of a few hundred tons for a vertical well to a few thousand tons for a horizontal well.

Drilling muds, drilling fluids, water, proppant and hydraulic fracturing fluids are stored in onsite tanks or lined pits during the drilling and/or completion process. Equipment transport and setup can take several days, and the actual HF and flowback process can occur in a few days up to a few weeks. For oil wells, the flowback fluid from the HF operations is treated in an oil-water separator before it is stored in a lined pit or tank located on the surface. Where gas wells are flowed back using a “green completion process” fluids are run through a multi-phase separator, which are then piped directly to enclosed tanks or to a production unit.

Gas emissions associated with the HF process are captured when the operator utilizes a green completion process. Where a green completion process is not utilized, gas associated with the well may be vented and/or flared until “saleable quality” product is obtained in accordance with federal and state rules and regulations. The total volume of emissions from the equipment used (trucks, engines) will vary based on the pressures needed to fracture the well, and the number of zones to be fractured. Emissions associated with a project, and HF if proposed, will be analyzed through a site specific NEPA document to ensure that the operation will not cause a violation of the Clean Air Act.

Under either completion process, wastewaters from HF may be disposed in several ways. For example, the flowback fluids may be stored in tanks pending reuse; the resultant waste may be re-injected using a permitted injection well, or the waste may be hauled to a licensed facility for treatment, disposal and/or reuse.

Disposal of the waste stream following establishment of “sale-quality” product, would be handled in accordance with Onshore Order #7 regulations and other state/federal rules and regulations.

FRACTURING FLUIDS

As indicated above, the fluid used in the HF process is approximately 95 to 99 percent water and a small percentage of special-purpose chemical additives^{15, 16} and proppant. There is a broad array of chemicals that can be used as additives in a fracture treatment including, but not limited to, hydrochloric acid, anti-bacterial agents, corrosion inhibitors, gelling agents (polymers), surfactants, and scale inhibitors. The 1 to 5 percent of chemical additives translates to a minimum of 5,000 gallons of chemicals for every 1.5 million gallons of water used to fracture a well (Paschke, Dr. Suzanne. USGS, Denver, Colorado. September 2011). Water used in the HF process is generally acquired from surface water or groundwater in the local area.

RE-FRACTURING

Re-fracturing of wells (RHF) may be performed after a period of time to restore declining production rates. RHF success can be attributed to enlarging and reorienting existing fractures while restoring conductivity due to proppant degradation and fines plugging.

Prior to RHF, the wellbore may be cleaned out. Cleaning out the wellbore may recover over 50% of the initial frac sand. Once cleaned, the process of RHF is the same as the initial HF. The need for RHF cannot be predicted.

WATER AVAILABILITY AND CONSUMPTION ESTIMATES

The Wyoming Framework Water Plan, A Summary, (Wyoming Water Development Commission, October 2007), indicates that approximately 15 million acre-feet per year of water becomes either surface water or groundwater and is available for use. This estimate includes water that flows into the state and the precipitation that runs off as stream flow or infiltrates as groundwater; it does not include volumes lost to evapotranspiration.

¹⁵ FracFocus Chemical Registry. Hydraulic Fracturing Water Usage

¹⁶ Chesapeake Energy. 2012. Hydraulic Fracturing Fact Sheet. http://www.chk.com/Media/Educational-Library/Fact-Sheets/Corporate/Hydraulic_Fracturing_Fact_Sheet.pdf (Last accessed March 1, 2012)

Water flowing out of WY is estimated to be 13,678,200 acre-feet per year. Wyoming's share of this supply under existing water compacts is estimated to be 3,313,500 acre-feet per year; approximately 10,364,700 acre-feet flows downstream out of the state.

The industrial water use sector includes electric power generation, coal mining, conventional oil and gas production, uranium mining, trona mining and soda ash production, bentonite mining, gypsum mining, coalbed methane (CBM) production, manufacturing of aggregate, cement, and concrete, and road and bridge construction.

Total current industrial surface water use for Wyoming is estimated to be 125,000 acre-feet per year. Total current industrial groundwater water use is estimated to be 246,000 acre-feet per year.

According to the state water plan, it appears likely that any new water-intensive industrial developments in the state over the next 30 years will fall into the electric power generation and/or chemical products categories. The other two intensive water use industries, primary metals and paper producers, tend to locate near the source of their largest process inputs – metals and wood respectively. The total projected industrial use under the Mid Scenario is 331,000 acre-feet per year. The Mid-Scenario is a middle of the road estimate versus the projected low or high scenarios.

Water needs for future fracturing jobs were estimated for this discussion paper using the current Reasonable Foreseeable Development (RFD) scenario numbers taken from each of the nine WY RMPs and multiplied by the maximum volume of water necessary based on information located at fracfocus.org. The table is provided, below. Based on a statewide RFD of 25,478 non-CBM wells and 18,299 CBM wells, the maximum projected water needs for HF is 401,319 acre-feet of water. This number is an estimate based upon maximum projected water needs per HF job, and assumes that 100% of the water is freshwater.

According to the WOGCC, as of August 19, 2018, there are approximately 457 Disposal wells in the state disposing of oil and gas wastewater. Data obtained from the Wyoming Oil and Gas Conservation Commission, for a period ending June 30, 2018, indicates that 4,979,807,439 barrels of water have been injected into underground formations for disposal purposes. These injection wells may also utilize HF depending upon the specific geology of the disposal zone; however, subsequent disposal operations utilize injection pressures below the fracture stress of the receiving formation to ensure containment in the targeted zone. Each formation for which injection is approved must receive an aquifer exemption from the Environmental Protection Agency documenting that the injectate will be properly contained and that the formation receiving the water is not of useable quality (DEQ Class 4 Use).

POTENTIAL SOURCES OF WATER FOR HYDRAULIC FRACTURING

Freshwater-quality water is required to drill the surface-casing section of the wellbore per federal regulations; other sections of the wellbore (intermediate and/or production strings) would be drilled with appropriate quality makeup water as necessary. This is done to protect usable water zones from contamination, to prevent mixing of zones containing different water quality/use classifications, and to minimize total freshwater volumes. With detailed geologic well logging during drilling operations, geologists/mud loggers on location identify the bottoms of these usable water zones, which aids in the proper setting of casing depths.

Several sources of water are available for drilling and/or HF in WY. Because WY's water rights system is based in the prior appropriation doctrine, water cannot be diverted from a stream/reservoir or pumped out of the ground for drilling and/or HF without reconciling that diversion with the prior appropriation doctrine. Like any other water user, companies that drill or hydraulically fracture oil and gas wells must adhere to WY water laws when obtaining and using specific sources of water.

Below is a discussion of the sources of water that could potentially be used for HF. The decision to use any specific source is dependent on BLM authorization at the APD stage and the ability to satisfy the water appropriation doctrine. BLM must also consult in accordance with the Endangered Species Act (ESA) as amended (16 U.S.C. 1531 et seq.) with the U.S Fish and Wildlife Service (FWS) on projects resulting in consumptive water use over de minimus levels, in the Platte and Colorado River Basins of WY. Where this is an issue, USFWS was consulted during the preparation of the appropriate RMP and would again be consulted on a case by case basis. From an operators' standpoint, the decision regarding which water source will be used is primarily driven by the economics associated with procuring a specific water source.

Water transported from outside the state. The operator may transport water from outside the state. As long as the transport and use of the water carries no legal obligation to Wyoming, this is an allowable source of water from a water rights perspective.

Irrigation water leased or purchased from a landowner. The landowner may have rights to surface water, delivered by a ditch or canal that is used to irrigate land. The operator may choose to enter into an agreement with the landowner to purchase or lease a portion of that water. This is allowable, however, in nearly every case, the use of an irrigation water right is likely limited to irrigation uses and cannot be used for well drilling and HF operations. To allow its use for drilling and HF, the owner of the water right and the operator must apply to change the water right through a formal process.

Treated water or raw water leased or purchased from a water provider. The operator may choose to enter into an agreement with a water provider to purchase or lease water from the water provider's system. Municipalities and other water providers may have a surplus of water in their system before it is treated (raw water) or after treatment that can be used for drilling and HF operations. Such an arrangement would be allowed only if the operator's use were compliant with the water provider's water rights.

Water treated at a wastewater treatment plant leased or purchased from a water provider. The operator may choose to enter into an agreement with a water provider to purchase or lease water that has been used by the public, and then treated as wastewater.

Municipalities and other water providers discharge their treated wastewater into the streams where it becomes part of the public resource, ready to be appropriated once again in the priority system. But for many municipalities a portion of the water that is discharged has the character of being "reusable." As a result, it is possible that after having been discharged to the stream, it could be diverted by the operator to be used for drilling and HF operations. Such an arrangement would only be appropriate with the approval of the WY State Engineer's Office (WSEO) and would be allowed only if the water provider's water rights include uses for drilling and HF operations.

New diversion of surface water flowing in streams and rivers. New diversion of surface waters in most parts of the state are rare because the surface streams are already "over appropriated," that is, the flows do not reliably occur in such a magnitude that all of the vested water rights on those streams can be satisfied. Therefore, the only time that an operator may be able to divert water directly from a river is during periods of high flow and less demand. These periods do occur but not reliably or predictably.

Produced Water. The operator may choose to use water produced in conjunction with oil or gas production at an existing oil or gas well. The water that is produced from an oil or gas well is under the administrative purview of the WSEO and is either non-tributary, in which case, it is administered independent of the prior appropriation doctrine; or is tributary, in which case, the depletions from its withdrawal must be fully augmented if the depletions occur in an over-appropriated basin. The result in either case is that the produced water is available for consumption for other purposes, not just oil and gas operations. The water must not be encumbered by other needs and the operator must obtain a proper well permit from the WSEO before the water can be used for drilling and HF operations.

Reused or Recycled Drilling Water. Water that is used for drilling of one well may be recovered and reused in the construction of subsequent wells. The BLM encourages reuse and recycling of both the water used in well drilling and the water produced in conjunction with oil or gas production. However, as described above, the operator must obtain the right to use the water for this purpose.

On-Location Water Supply Wells. Operators may apply for, and receive, permission from the WSEO to drill and use a new water supply well. These wells are usually drilled on location to provide an on-demand supply. These industrial-type water supply wells are typically drilled deeper than nearby domestic and/or stock wells to minimize drawdown interference, and have large capacity pumps. The proper construction, operation and maintenance, backflow prevention and security of these water supply wells are critical considerations at the time they are proposed to minimize impacts to the well and/or the waters in the well and are under the jurisdiction of the WSEO. Plugging these wells are also under the jurisdiction of the WSEO.

POTENTIAL IMPACTS TO USABLE WATER ZONES

Impacts to freshwater supplies can originate from point sources, such as chemical spills, chemical storage tanks (aboveground and underground), industrial sites, landfills, household septic tanks, and mining activities. Impacts to usable waters may also occur through a variety of oil and gas operational sources which may include, but are not limited to, pipeline and well casing failure, and well (gas, oil and/or water) drilling and construction of related facilities. Similarly, improper construction and management of open fluids pits and production facilities could degrade ground water quality through leakage and leaching.¹⁷

Should hydrocarbons or associated chemicals for oil and gas development, including HF, exceeding EPA/WDEQ standards for minimum concentration levels migrate into culinary water supply wells, springs, or usable water systems, it could result in these water sources becoming non-potable. Water wells developed for oil and gas drilling could also result in a draw down in the quantity of water in nearby residential areas depending upon the geology; however, it is not currently possible to predict whether or not such water wells would be developed.

Usable groundwater aquifers are most susceptible to pollution where the aquifer is shallow (within 100 feet of the surface depending on surface geology) or perched, are very permeable, or connected directly to a surface water system, such as through floodplains and/or alluvial valleys or where operations occur in geologies which are highly fractured and/or lack a sealing formation between the production zone and the usable water zones. If an impact to usable waters were to occur, a greater number of people could be affected in densely populated areas versus sparsely populated areas characteristic of WY.

Potential impacts on usable groundwater resources from fluid mineral extraction activities can result from the five following scenarios:

- Contamination of aquifers through the introduction of drilling and/or completion fluids through spills or drilling problems such as lost circulation zones.
- Communication of the induced hydraulic fractures with existing fractures potentially allowing frac fluid migration into usable water zones/supplies. The potential for this impact is likely dependent on the local hydraulic gradients where those fluids are dissolved in the water column. To date, this is an unproven theory.
- Cross-contamination of aquifers/formations that may result when fluids from a deeper aquifer/formation migrate into a shallower aquifer/formation due to improperly cemented well casings.
- Localized depletion of unconfined groundwater availability.
- Progressive contamination of deep confined, shallow confined, and unconfined aquifers if the deep confined aquifers are not completely cased off, and geologically isolated, from deeper units. An example of this would be saltwater intrusion resulting from sustained drawdown associated with the pumping of groundwater.

The impacts above could occur as a result of the following processes:

Improper casing and cementing.

A well casing design that is not set at the proper depths or a cementing program that does not properly isolate necessary formations could allow oil, gas or HF fluids to contaminate other aquifers/formations.

Natural fractures, faults, and abandoned wells.

If HF of oil and gas wells result in new fractures connecting with established natural fractures, faults, or improperly plugged dry or abandoned wells, a pathway for gas or contaminants to migrate underground may be created posing a risk to water quality. The potential for this impact is currently unknown but it is generally accepted that the potential decreases with increasing distance between the production zone and usable water zones. This potential again is dependent upon the site specific conditions at the well location.

Fracture growth.

¹⁷ See Subject RMP, Chapter 4, Environmental Consequences, for additional information

A number of studies and publications report that the risk of induced fractures extending out of the target formation into an aquifer—allowing hydrocarbons or other fluids to contaminate the aquifer —may depend, in part, on the formation thickness separating the targeted fractured formation and the aquifer. For example, according to a 2012 Bipartisan Policy Center report, the fracturing process itself is unlikely to directly affect freshwater aquifers because fracturing typically takes place at a depth of 6,000 to 10,000 feet, while drinking water aquifers are typically less than 1,000 feet deep. Fractures created during HF have not been shown to span the distance between the targeted formation and freshwater bearing zones. If a parcel is sold and development is proposed in usable water zones, those operations would have to comply with federal and/or state water quality standards or receive a Class 5 designation from the WDEQ.

Fracture growth and the potential for upward fluid migration, through coal and other geologic formations depend on site-specific factors such as the following:

1. Physical properties, types, thicknesses, and depths of the targeted formation as well as those of the surrounding geologic formations.
2. Presence of existing natural fracture systems and their orientation in the target formation and surrounding formations.
3. Amount and distribution of stress (i.e., in-situ stress), and the stress contrasts between the targeted formation and the surrounding formations.

Hydraulic fracture stimulation designs include the volume of fracturing fluid injected into the formation as well as the fluid injection rate and fluid viscosity; this information would be evaluated against the above site specific considerations.

Fluid leak and recovery (flowback) of HF fluids.

It is theorized that not all fracturing fluids injected into the formation during the HF process may be recovered. It is theorized that fluid movement into smaller fractures or other geologic substructures can be to a point where flowback efforts will not recover all the fluid or that the pressure reduction caused by pumping during subsequent production operations may not be sufficient to recover all the fluid that has leaked into the formation. It is noted that the fluid loss due to leakage into small fractures and pores is minimized by the use of cross-linked gels.

Willberg et al. (1998) analyzed HF flowback and described the effect of pumping rates on cleanup efficiency in initially dry, very low permeability (0.001 md) shale. Some wells in this study were pumped at low flowback rates (less than 3 barrels per minute (bbl/min)). Other wells were pumped more aggressively at greater than 3 bbl/min. Thirty- one percent of the injected HF fluids were recovered when low flowback rates were applied over a 5-day period. Forty-six percent of the fluids were recovered when aggressive flowback rates were applied in other wells over a 2-day period. In both cases, additional fluid recovery (10 percent to 13 percent) was achieved during the subsequent gas production phase, resulting in a total recovery rate of 41 percent to 59 percent of the initial volume of injected HF fluid. Ultimate recovery rate however, is dependent on the permeability of the rocks, fracture configuration, and the surface area of the fracture(s).

The ability of HF chemicals to migrate in an undissolved or dissolved phase into a usable water zone is likely dependent upon the location of the sealing formation (if any), the geology of the sealing formation, hydraulic gradients and production pressures. The following discussion, adapted from: Evaluation of Impacts to Underground Sources of Drinking Water by Hydraulic Fracturing of Coalbed Methane Reservoirs; Chapter 3 Characteristics of CBM Production and Associated HF Practices (3-5EPA 816-R-04-003, June, 2004), takes place where there is not a sealing formation between the fractured formation and usable waters; the two zones are separated by approximately 1000' of earth in the Powder River Basin of WY.

HF Fluids can remain in the subsurface unrecovered, due to “leak off” into connected fractures and the pores of rocks. Fracturing fluids injected into the primary hydraulically induced fracture can intersect and flow (leak off) into preexisting smaller natural fractures. Some of the fluids lost in this way may occur very close to the well bore after traveling minimal distances in the hydraulically induced fracture before being diverted into other fractures and pores. Once “mixed” with the native water, local and regional vertical and horizontal gradients may influence where and if these fluids will come in contact with usable water zones, assuming that there is inadequate recovery either

through the initial flowback or over the productive life of the well. Faults, folds, joints, etc., could also alter localized flow patterns as discussed below.

The following processes can influence effective recovery of the fracture fluids:

Check-Valve Effect

A check-valve effect occurs when natural and/ or newly created fractures open and HF fluid is forced into the fractures when fracturing pressures are high, but the fluids are subsequently prevented from flowing back toward the wellbore as the fractures close when the fracturing pressure is decreased (Warpinski et al., 1988; Palmer et al., 1991a). A long fracture can be pinched-off at some distance from the wellbore. This reduces the effective fracture length. HF fluids trapped beyond the “pinch point” are unlikely to be recovered during flowback and oil/gas is unlikely to be recovered during production.

In most cases, when the fracturing pressure is reduced, the fracture closes in response to natural subsurface compressive stresses. Because the primary purpose of hydraulic fracturing is to increase the effective permeability of the target formation and connect new or widened fractures to the wellbore, a closed fracture is of little use. Therefore, a component of HF is to “prop” the fracture open, so that the enhanced permeability from the pressure-induced fracturing persists even after fracturing pressure is terminated. To this end, operators use a system of fluids and “proppants” to create and preserve a high- permeability fracture-channel from the wellbore deep into the formation.

The check-valve effect takes place in locations beyond the zone where proppants have been placed (or in smaller secondary fractures that have not received any proppant). It is possible that some volume of stimulation fluid cannot be recovered due to its movement into zones that were not completely “propped” open.

Adsorption and Chemical Reactions

Adsorption and chemical reactions can also prevent HF fluids from being recovered. Adsorption is the process by which fluid constituents adhere to a solid surface and are thereby unavailable to flow with groundwater. Adsorption to coal is likely; however, adsorption to other geologic material (e.g., shale, sandstone) is likely to be minimal. Another possible reaction affecting the recovery of fracturing fluid constituents is the neutralization of acids (in the fracturing fluids) by carbonates in the subsurface.

Movement of Fluids Outside the Capture Zone

Fracturing fluids injected into the target zone flow into fractures under very high pressure. The hydraulic gradients driving fluid flow away from the wellbore during injection are much greater than the hydraulic gradients pulling fluid flow back toward the wellbore during flowback and production (pumping) of the well. Some portion of the fracturing fluids could be forced along the hydraulically induced fracture to a point beyond the capture zone of the production well. The size of the capture zone will be affected by the regional groundwater gradients, and by the drawdown caused by producing the well. Site-specific geologic, hydrogeologic, injection pressure, and production pumping details should provide the information needed to estimate the dimension of the production well capture zone and the extent to which the fracturing fluids might disperse and dilute.

Incomplete Mixing of Fracturing Fluids with Water

Steidl (1993) documented the occurrence of a gelling agent that did not dissolve completely and actually formed clumps at 15 times the injected concentration in an induced fracture. Steidl also directly observed, in his mined-through studies, gel hanging in stringy clumps in many other induced fractures. As Willberg et al. (1997) noted, laboratory studies indicate that fingered flow of water past residual gel may impede fluid recovery. Therefore, some fracturing fluid gels appear not to flow with groundwater during production pumping and remain in the subsurface unrecovered. Such gels are unlikely to flow with groundwater during production, but may present a source of gel constituents to flowing groundwater during and after production.

Authorization of any future proposed projects, would require full compliance with local, state, and federal regulations and laws that relate to surface and groundwater protection and would be subject to routine inspections by the BLM and the Wyoming Oil and Gas Commission as described in Memorandum of Understanding WY920-94-09-79, dated September 21, 1994, prior to approval.

GEOLOGIC HAZARDS (INCLUDING SEISMIC/LANDSLIDES)

Potential geologic hazards caused by HF include induced seismic activity. Induced seismic activity could indirectly cause surficial landslide activity where soils/slopes are susceptible to failure.

Landslides involve the mass movement of earth materials down slopes and can include debris flows, soil creep, and slumping of large blocks of material. There are no identified landslides in the project area [Kemmerer RMP (2010), Pinedale RMP (2008), Green River RMP (1997), Rock Springs RMP Revision, and Rawlins RMP (2008) Chapter 2, Affected Environment and/or Summary of the Management Situation Analysis; Wyoming State Geological Survey (2011)].

Earthquakes occur when energy is released due to blocks of the earth's crust moving along areas of weakness or faults. Earthquakes attributable to human activities are called "induced seismic events" or "induced earthquakes." In the past several years induced seismic events related to energy development projects have drawn heightened public attention. Although only a very small fraction of injection and extraction activities at hundreds of thousands of energy development sites in the United States have induced seismicity at levels that are noticeable to the public, seismic events caused by or likely related to energy development have been measured and felt in Alabama, Arkansas, California, Colorado, Illinois, Louisiana, Mississippi, Nebraska, Nevada, New Mexico, Ohio, Oklahoma, and Texas.

A study conducted by the National Academy of Sciences¹⁸ studied the issue of induced seismic activity from energy development. As a result of the study, they found that: (1) the process of hydraulic fracturing a well as presently implemented for shale gas recovery does not pose a high risk for inducing felt seismic events; and (2) injection for disposal of waste water derived from energy technologies into the subsurface does pose some risk for induced seismicity, but very few events have been documented over the past several decades relative to the large number of disposal wells in operation.

The potential for induced seismicity cannot be made at the leasing stage; as such, it will be evaluated at the APD stage should the parcel be sold/issued, and a development proposal submitted.

SPILL RESPONSE AND REPORTING

Spill Prevention, Control, and Countermeasure (SPCC) - EPA's rules include requirements for oil spill prevention, preparedness, and response to prevent oil discharges to navigable waters and adjoining shorelines. The rule requires that operators of specific facilities prepare, amend, and implement SPCC Plans. The SPCC rule is part of the Oil Pollution Prevention regulation, which also includes the Facility Response Plan (FRP) rule. Originally published in 1973 under the authority of §311 of the Clean Water Act, the Oil Pollution Prevention regulation sets forth requirements for prevention of, preparedness for, and response to oil discharges at specific non-transportation-related facilities. To prevent oil from reaching navigable waters and adjoining shorelines, and to contain discharges of oil, the regulation requires the operator of these facilities to develop and implement SPCC Plans and establishes procedures, methods, and equipment requirements (Subparts A, B, and C). In 1990, the Oil Pollution Act amended the Clean Water Act to require some oil storage facilities to prepare Facility Response Plans. On July 1, 1994, EPA finalized the revisions that direct facility owners or operators to prepare and submit plans for responding to a worst-case discharge of oil.

In addition to EPA's requirements, operators must provide a plan for managing waste materials, and for the safe containment of hazardous materials, per Onshore Order #1 with their APD proposal. All spills and/or undesirable events are managed in accordance with Notice to Lessee (NTL) 3-A and WY Information Memorandums 2008-028: *NTL- 3A Reporting Requirements* and 2009-021 *Guidance & Standards for Response to Oil & Gas-Related Spills & Clean-Up Criteria*. Regulations found at 43 CFR 3162.5(c) provide BLM with the necessary regulatory framework for responding to all spills and/or undesirable events related to hydraulic fracturing operations.

PUBLIC HEALTH AND SAFETY

¹⁸ Induced Seismicity Potential in Energy Technologies, National Academy of Sciences, 2012

The intensity, and likelihood, of potential impacts to public health and safety, and to the quality of usable water aquifers is directly related to proximity of the proposed action to domestic and/or community water supplies (wells, reservoirs, lakes, rivers, etc.) and/or agricultural developments. The potential impacts are also dependent on the extent of the production well's capture zone and well integrity. Standard Lease Notice No.1 specifies that development is generally restricted within a quarter mile of occupied dwellings and within 500 feet of riparian habitats and wetlands, perennial water sources (rivers, springs, water wells, etc.) and/or floodplains. Intensity of impact is likely dependent on the density of development. Further information related to the rate of development is provided in the Leasing Environmental Analysis.

| HF White Paper Table | | | | | | | | | |
|-------------------------------|--------------------------------|---|-------------------------------|------------------------|-----------------------------------|----------------------------|--------------------------------------|--------------------------------------|---|
| Field Office (Year of RFD) | Project ed Number of CBM wells | Projected Number of Non-CBM/ Conventional Wells | Max Frac Volume CBM (gallons) | Total Est. H2O for CBM | Max Frac Volume Non_CBM (gallons) | Total Est. H2O for Non-CBM | Total Projected H2O for HF (gallons) | Total Projected H2O for HF (barrels) | Total Project ed H2O for HF (acre-feet) |
| BFO (2012) | 10,343 | 3,865 | 300,000 | 3,102,900,000 | 5,000,000 | 19,325,000,000 | 22,427,900,000 | 711,996,824 | 67,736.09 |
| BHB (2010) (WFO/ CYFO) | 150 | 1,890 | 300,000 | 45,000,000 | 5,000,000 | 9,450,000,000 | 9,495,000,000 | 301,428,571 | 28,676.52 |
| CFO (2005) | 700 | 2,100 | 300,000 | 210,000,000 | 5,000,000 | 10,500,000,000 | 10,710,000,000 | 340,000,000 | 32,346.03 |
| NFO (2004) | 0 | 30 | 300,000 | 0 | 5,000,000 | 150,000,000 | 150,000,000 | 4,761,905 | 453.03 |
| LFO (2009) | 861 | 2,566 | 300,000 | 258,300,000 | 5,000,000 | 12,830,000,000 | 13,088,300,000 | 415,501,587 | 39,528.90 |
| RFO (2004) | 4,655 | 4,655 | 300,000 | 1,396,500,000 | 5,000,000 | 23,275,000,000 | 24,671,500,000 | 783,222,221 | 74,512.14 |
| RSFO (GRRM P/ 1991) | 300 | 1,258 | 300,000 | 90,000,000 | 5,000,000 | 6,290,000,000 | 6,380,000,000 | 202,539,682 | 19,268.69 |
| RSFO (JMH/ 2002) | 50 | 314 | 300,000 | 15,000,000 | 5,000,000 | 1,570,000,000 | 1,585,000,000 | 50,317,460 | 4,786.97 |
| KFO (2006) | 640 | 220 | 300,000 | 192,000,000 | 5,000,000 | 1,100,000,000 | 1,292,000,000 | 41,015,873 | 3,902.06 |
| PFO (2006) | 600 | 8,580 | 300,000 | 180,000,000 | 5,000,000 | 42,900,000,000 | 43,080,000,000 | 1,367,619,046 | 130,108.96 |
| Total | 18,299 | 25,478 | | 5,489,700,000 | | 127,390,000,000 | 132,879,700,000 | 4,218,403,168 | 401,319.68 |

Calculation assumes 100% of HF H2O is freshwater.

Conversion factor: gallons to barrels: *0.0317460317 Conversion factor: barrels to acre feet: /10511.3365126

5.3 EA Preparers/Reviewers, Consultation & Coordination

The following individuals or organizations were involved in consultation on issues in the development of this EA.

5.3.1 Outside Agencies or Individuals

Prior to publication of this EA, letters were sent to landowners by the WSO notifying them that the minerals under their surface lands had been nominated for lease and inviting them to participate in the BLM's review. Of the initial 702 parcel nominated for sale, 452 appear to have at least some portion of the parcel in private fee ownership. Where surface ownership information was provided, the WSO mailed notification letters to each person's whose information was provided. No comments were received from these surface owners during the initial or extended comment period.

Informal scoping letters were also sent to Native American tribal contacts known or identified as having interest or concerns with oil and gas leasing in the area. No comments were received as a result of sending these letters. Tribal consultation was specifically initiated for parcel 323 in the Pinedale Field Office and this parcel is deferred from offering under State Director discretion.

When necessary, notice letters were sent to the Forest Service, Douglas Ranger District and to units of the National Park Service in the northeast regional area of Wyoming. The superintendent of the Fort Laramie National Historic Site has identified concerns with oil and gas development in proximity to the Historic Site for previous sales. Those concerns include activities within the visual setting of the area, effects on visitor experience, and impacts to air quality, water quality and night skies. These are impacts associated with lease development, and will be addressed site specifically if a development proposal is submitted. No new issues were identified that would suggest the need to consider alternatives beyond those being addressed in this EA and no specific comments were received from these entities.

In accordance with the BLM/WGFD Memorandum of Understanding WY131, Appendix 5G, the WSO sent the preliminary parcel list to the WGFD field personnel were provided an opportunity to review the revised preliminary parcel list and send their comments back to the BLM field office. If WGFD field personnel did not have any comments or concerns with the revised preliminary parcel list, they sent an email/letter to the BLM field office that they have reviewed the revised preliminary parcel list, and the WGFD concerns have been met and they have no additional concerns. The BLM field offices reviewed WGFD field personnel concerns and addressed any concerns. The WSO also routinely meets with WGFD Habitat Protection Program personnel as a part of its coordination on oil and gas lease sales. Individuals contacted at the WGFD regarding the subject parcels include: Brandon Scurlock (PFO and RSFO), Sam Stephens (RFO), Jeff Short (KFO), Erika Peckham, Cheyenne Stewart and Tim Thomas (BFO); Willow Hibbs and Heather Obrien (CFO); Joe Sandrini, Erika Peckham and Willow Bish (NFO); Leslie Schreiber (WFO); and Angela Bruce, Rick Huber, and Scott Smith (Cheyenne WGFD/Statewide).

Under procedures outlined in a memorandum of understanding, the BLM requested comments from the Bureau of Reclamation (BOR) as the surface management agency on any parcels located on lands managed by the BOR. This coordination is also discussed under Scoping, in section 1.6 on page 1.6 of this EA.

5.3.2 BLM-Wyoming State Office

| Name | Title | Responsible for |
|---------------------------------|--------------------------------------|------------------------------|
| BLM Wyoming State Office | | |
| Erik Norelius | Natural Resource Specialist | Project Manager and Preparer |
| Allen Stegeman | Natural Resource Specialist | Project Manager and Preparer |
| Ryan McCammon | Physical Scientist, Air Quality | Air Quality & Climate Change |
| Emmet Pruss | Planning & Environmental Coordinator | Planning |
| Karsyn Lamb | Economist | Socioeconomics |
| Matt Holloran | Wildlife Biologist | Wildlife |

5.3.3 BLM-High Desert District

| Name | Title | Responsible for |
|------------------------------------|---------------------------------------|---|
| High Desert District Office | | |
| Sonja Hunt | HDD Resource Advisor-Energy | District Project Coordinator |
| Jason Gay | HDD District Manager | Reviewer / Briefer |
| Adam George | HDD Associate District Manager | Reviewer |
| Pinedale Field Office | | |
| Douglas Linn | Field Manager | Review |
| Brian Roberts | Natural Resource Specialist | PFO Core Team Lead; NRS/Soils |
| Juliann Orban | Wildlife Biologist | Wildlife, Threatened and Endangered Species, Special Status species |
| Jennie Frankus | Cultural Resources Specialist | Cultural Resources, Paleontology |
| Brandon Teppo | Supervisor NRS | Review M&L |
| Rawlins Field Office | | |
| Kevin Teska | Natural Resource Specialist | RFO Core Team Lead; NRS Review |
| Andrew Kauppila | Acting Assistant Field Manager | Review M&L |
| Natasha Keierleber | Archeologist | Cultural Resources, Paleontology |
| Andy Williams | Recreation Specialist | Recreation; VRM; LWCs |
| John Martin | Wildlife Biologist Technician | Wildlife, Threatened and Endangered Species, Special Status species |
| Mitch Lane | Geologist | Geology; minerals |
| Rock Springs Field Office | | |
| Gavin Lovell | Assistant Field Manager, Resources | Resource Lead |
| Carlos Coontz | Planning and Environmental Specialist | RMP Compliance |
| Scott Stadler | Supervisory Archeologist | Cultural Resources |
| Gene Smith | Paleontology Coordinator | Paleontology |
| Mark Snyder | Supervisory Wildlife Biologist | Wildlife, Threatened and Endangered Species, Special Status species |
| TJ Franklin | Natural Resource Specialist | RSFO Core Team Lead; Minerals |
| Anthony Ray | Natural Resource Specialist | Physical Science / NRS Review |
| Morgan Hill | NRS/Geologist | Minerals / Geology |
| Lauren Hazzard | Recreation Specialist | Recreation; VRM; LWCs |
| Kimberlee Foster | Field Manager | Review |
| Kemmerer Field Office | | |
| Melissa Fisher | Natural Resource Specialist | KFO Core Team Lead |
| Ben Molitor | Natural Resource Specialist | KFO Core Team Lead; |
| Rich Fleming | Geologist | Geology; Paleontological Resources |
| Cheyenne Laeske | Wildlife Biologist | Wildlife/T&E |
| Elizabeth Kruzan | Wildlife Biologist | Fisheries/T&E |
| Hunter Harridge | Recreation Specialist | Recreation; VRM; LWCs |
| Linda Goetz | Archeologist | Cultural |

5.3.4 BLM High Plains District

| Name | Title | Responsible for |
|------------------------------------|-------|-----------------|
| High Plains District Office | | |

| | | |
|-------------------------------|--|---|
| Kevin Christensen | District Manager | Review and Leadership support |
| Ben Bigalke | Associate District Manager | Review and Leadership support |
| Molly Wartenbee | District Secretary | Admin Support |
| Andrea Meeks | GIS Specialist | GIS Support |
| George Soehn | HPD Resource Advisor-Energy | District Project Coordinator |
| Newcastle Field Office | | |
| Eric Schnell | Natural Resource Specialist | NFO Team Lead |
| Justin Proffer | Wildlife Biologist | Wildlife Review |
| Shari Ketcham | Wildlife Biologist | Wildlife Review |
| Alice Tratebas | Archeologist | Cultural and Paleontology Review |
| Casper Field Office | | |
| Ahren Ramirez | Natural Resource Specialist | CFO Team Lead |
| Matthew Clark | Geologist | Geology |
| Deandra De Los Santos | Geologist | Paleontology |
| Casey Cheesebrough | Natural Resource Specialist | Fire/Forestry |
| James Wright | Wildlife Biologist | Wildlife Review |
| Cullen Hardy | Outdoor Recreation Planner | Wilderness Review |
| Andrea Meeks | GIS Specialist | Coal Review |
| Robert Mathis | GIS Specialist | CFO GIS Support and Recreation Review |
| Shane Evans | Hydrologist | Hydrology |
| Brianne Carter | Realty Specialist | Realty |
| Matt Roberts | Rangeland Management Specialist | Range |
| Abigail Hernandez | Natural Resource Specialist | Assistant Preparer |
| Art Terry | Environmental Protection Specialist | Health and Safety |
| Mike Robinson | Planning and Environmental Coordinator | RMP Conformance |
| Patrick Walker | Archeologist | Cultural and Paleontology Review |
| Buffalo Field Office | | |
| Katrina Gray | Natural Resource Specialist | BFO Team Lead |
| Shari Ketcham | Wildlife Biologist | Wildlife Review |
| Clint Crago | Archeologist | Cultural and Paleontology Review |
| Meleah Corey | GIS Specialist | BFO GIS Support and Review |
| Rachel Wiota | Outdoor Recreation Planner | Recreation, Wilderness, Visual Mgmt. Review |
| Todd Yeager | Field Manager | Review and Leadership support |
| Andrea Meeks | GIS Specialist | Coal Review |

5.3.5 BLM-Wind River/Bighorn Basin District

| Name | Title | Responsible for |
|---|--------------------------------------|-------------------------------------|
| Wind River/Bighorn Basin District Office | | |
| Jim Wolf | WR/BBD District Resource Advisor | District Project Manager & Preparer |
| Sarah Bucklin | WR/BBD District Resource Advisor | District Project Manager & Preparer |
| Holly Elliott | Planning & Environmental Coordinator | Review |
| Zack Poetzsch | Planning & Environmental Specialist | Review |
| Cody Field Office | | |

| | | |
|-----------------------------|-----------------------------------|--|
| Brandi Hecker | Natural Resource Specialist | CYFO Core Team Lead; Site Visits |
| Gretchen Hurley | Geologist | Geology and Paleontological Resources |
| Abel Guevara | Wildlife Biologist | Wildlife/T&E |
| Steven Clark | Fisheries Biologist | Wildlife, T&E and Sensitive Species |
| Kierson Crume | Archeologist | Cultural |
| Rick Tryder | Outdoor Recreation Planner | Recreation/VRM//Wilderness |
| Alicia Hummel | Rangeland Management Specialist | Riparian |
| Worland Field Office | | |
| Brandi Hecker | Natural Resource Specialist | WFO Core Team Lead |
| Darci Stafford | Wildlife Biologist | Wildlife/T&E |
| Tim Stephens | Wildlife Biologist | Wildlife/T&E |
| Steven Clark | Fisheries Biologist | Wildlife, T&E and Sensitive Species |
| Matt Bangemean | Archaeologist | Cultural and Paleontological Resources |
| Hillary Jones | Archaeologist | Cultural and Paleontological Resources |
| Rick Tryder | Outdoor Recreation Planner | Recreation/VRM/Wilderness |
| Michael Peck | Range Management Specialist | T&E Plants |
| Jeff Coyle | Hydrologist | Hydrology |
| Hannah Fortney | Geographic Information Specialist | GIS |
| Bridget Wade | Geologist | Mining claims, Subsurface Solid Minerals |
| Jim Gates | Forester | Forester |
| Lander Field Office | | |
| Lindsay Abercrombie | Natural Resource Specialist | LFO Core Team Lead; Site Visits |
| Ira Waldron | Natural Resource Specialist | LFO Core Team Lead; Site Visits |
| Emma Freeland | Wildlife Biologist | Wildlife, T&E and Sensitive Species, Site Visits |
| Nicholas Freeland | Archaeologist | Cultural and Paleontological Resources |
| Jared Oakleaf | Outdoor Recreation Planner | Recreation/VRM/Wilderness |
| Sarah Wempfen | Geographic Information Specialist | GIS |

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Wyoming

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Department of the Interior

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7.0 Attachments

7.1 Parcel Specific Maps (Wildlife)

The attached maps are used to identify parcel specific interactions with Greater Sage-Grouse and Big Game habitat. Please refer to Chapter 3 for species-specific analysis. The parcel shapefile is available to download to compare to other data sources. Parcel numbers displayed on maps and shapefiles use a prefix of WY-2023-06, which was based on a planned sale date of June 2023.

7.2 Parcel Specific Maps (Leasing and Development)

The attached maps are used to identify existing oil and gas development on a parcel specific level. The parcel shapefile is available to download to compare to other data sources. The parcel shapefile is available to download to compare to other data sources. Parcel numbers displayed on maps and shapefiles use a prefix of WY-2023-06, which was based on a planned sale date of June 2023.

7.3 Lands with Wilderness Characteristics (LWC) Review

| Wilderness Review Checklist for Oil and Gas Lease Parcels | | | | | | |
|---|---|---|---|--|--|---|
| Sec. 603 (43 USC 1782). The Wilderness Act states: | | | | | | |
| <p><i>“A wilderness, in contrast with those areas where man and his own works dominate the landscape, is hereby recognized as an area where the earth and its community of life are untrammelled by man, where man himself is a visitor who does not remain. An area of wilderness is further defined to mean in this Act an area of undeveloped Federal land retaining its primeval character and influence, without permanent improvements or human habitation, which is protected and managed so as to preserve its natural conditions and which (1) generally appears to have been affected primarily by the forces of nature, with the imprint of man's work substantially unnoticeable; (2) has outstanding opportunities for solitude or a primitive and unconfined type of recreation; (3) has at least five thousand acres of land or is of sufficient size as to make practicable its preservation and use in an unimpaired condition; and (4) may also contain ecological, geological, or other features of scientific, educational, scenic, or historical value.”</i></p> <p><i>“The word ‘roadless’ refers to the absence of roads which have been improved and maintained by mechanical means to ensure relatively regular and continuous use. A ‘way’ maintained solely by the passage of vehicles does not constitute a road”</i></p> | | | | | | |
| Lease Sale Year: 2022 | | Lease Sale Month: 06 | | | | |
| Parcel No. | More than 5000 ac of roadless land (yes/no) | Imprint of man's work substantially unnoticeable (yes/no) | Outstanding opportunity for solitude or primitive recreation (yes/no) | Contains natural features of scientific, educational, scenic, or historical value (yes/no) | In Citizens Proposed Wilderness Area (yes/no). If yes but dropped during RMP process, state why. | Field Office Notes or Explanations |
| WY-2023-06- | | | | | | |
| 0001 | | | | | | Corps of Engineers is SMA of 27/40 acres, rest is private |
| 1326 | | | | | | USFS Surface |
| 1327 | | | | | | USFS Surface |
| 1328 | | | | | | USFS Surface |

| | | | | | | |
|------|-----------------------------------|-----|-----|------------|-----|--|
| 1329 | | | | | | USFS Surface |
| 1330 | | | | | | USFS Surface |
| 1331 | | | | | | USFS Surface |
| 1332 | | | | | | USFS Surface |
| 1333 | | | | | | USFS Surface |
| 1334 | | | | | | USFS Surface |
| 1335 | | | | | | USFS Surface |
| 1336 | | | | | | USFS Surface |
| 1337 | | | | | | USFS Surface |
| 1338 | | | | | | USFS Surface |
| 1339 | | | | | | USFS Surface |
| 1340 | | | | | | USFS Surface |
| 1341 | | | | | | USFS Surface |
| 1342 | | | | | | USFS Surface |
| 1343 | | | | | | USFS Surface |
| 1344 | | | | | | USFS Surface |
| 1345 | | | | | | USFS Surface |
| 1346 | | | | | | UFS Surface |
| 1347 | | | | | | UFS Surface |
| 1348 | | | | | | UFS Surface |
| 1349 | | | | | | USFS Surface |
| 1350 | No | n/a | n/a | n/a | No | |
| 1351 | No | n/a | n/a | n/a | No | |
| 1352 | No | | | | No | |
| 1353 | No | No | No | No | No | Parcel is within East Fork Sand Creek LWC |
| 1354 | No | No | No | No | No | |
| 1355 | | | | | | USFS Surface |
| 1356 | No | | | | No | |
| 1357 | No | | | | No | |
| 1358 | No | | | | No | Note for entire review: During RMP review of suitable lands, all of these criteria were used. The only lands that met the criteria are located in one of the Wilderness Study Areas or the Face of the Bighorns. None of these parcels is located in any of those areas. |
| 1359 | No | No | No | No | No | |
| 1361 | No | | | | No | |
| 1362 | No | | | | No | |
| 1363 | No | No | No | No | No | |
| 1364 | No | | | | No | |
| 1365 | No | no | no | no | no | Does not meet the criteria for wilderness consideration. |
| 1399 | YES -Kinney Rim South D & E | No | No | Yes | Yes | Kinney Rim South D & E Units divided by private |
| 1400 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1401 | No | n/a | n/a | n/a | No | |
| 1402 | Yes -Kinney Rim South D & RFO - M | No | No | Y /N-RFO-M | Yes | Parcel is mostly LWC Kinney Rim S. & some RFO- M with RSFO |
| 1404 | No | n/a | n/a | n/a | No | |
| 1405 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1407 | No | n/a | n/a | n/a | No | |
| 1408 | No | n/a | n/a | n/a | No | |

| | | | | | | |
|------|---|--------|--------|-----|-----|---|
| 1410 | No | n/a | n/a | n/a | No | small corner of parcel touches Adobetown WSA |
| 1411 | No | n/a | n/a | n/a | No | |
| 1412 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1413 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1414 | Yes- Kinney Rim South E & Adobe Town Fringe E | Yes | Yes | Yes | Yes | Adobe Town Fringe Area E- meets all LWC characteristics |
| 1415 | No | n/a | n/a | n/a | No | small corner of parcel touches Adobetown WSA |
| 1419 | Yes - Kinney Rim South Area D | No | No | Yes | Yes | All parcels associateed are in Kinney Rim South D |
| 1421 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1422 | Yes - Kinney Rim South Area D | No | No | Yes | Yes | All parcels associateed are in Kinney Rim South D |
| 1425 | No | n/a | n/a | n/a | No | |
| 1426 | Yes - Kinney Rim South Area D | No | No | Yes | Yes | All parcels associateed are in Kinney Rim South D |
| 1429 | No | n/a | n/a | n/a | No | |
| 1430 | Yes - Kinney Rim South D & E | No | No | Yes | Yes | Kinney Rim South D & E Units divided by private |
| 1431 | Yes- Kinney Rim South Area D | No | No | Yes | Yes | 2/3rds of the parcel lies in RSFO |
| 1434 | Yes- Kinney Rim South Area D & C | No | No | Yes | Yes | 80% of parcel is in Kinney Rim D, the remainder is in Kinney C |
| 1436 | Yes- North Cow Creek and Kinney Rim South D | Yes/NO | Yes/No | Yes | Yes | The eastern parcel is in North Cow Creek which meets all LWC characteristics, however the western parcel is located in Kinney Rim South D |
| 1437 | No | | | | No | |
| 1438 | No | | | | No | |
| 1439 | No | | | | No | |
| 1440 | Yes-Kinney Rim South D, No-South Cow Creek | No | No | No | Yes | The large western parcel is in Kinney Rim South D, the other is in South Cow Creek, however there is overlap into Class II VRM |
| 1441 | Yes- Kinney Rim North B and South Rim D | No | No | Yes | Yes | Both B and D have the same LWC values |
| 1443 | No | | | | No | |
| 1444 | Yes - Kinney Rim South D | No | No | Yes | Yes | All parcels associateed are in Kinney Rim South D |
| 1446 | No | n/a | n/a | n/a | No | |
| 1447 | Yes- Kinney Rim South D | No | No | Yes | Yes | All parcels associateed are in Kinney Rim South D |
| 1448 | No | n/a | n/a | n/a | No | |
| 1449 | No | n/a | n/a | n/a | No | |
| 1451 | No | n/a | n/a | n/a | No | |
| 1452 | No | n/a | n/a | n/a | No | |
| 1453 | No | n/a | n/a | n/a | No | |

| | | | | | | |
|------|--|--------|-----|-----|-----|---|
| 1454 | No | n/a | n/a | n/a | No | |
| 1455 | No | n/a | n/a | n/a | No | |
| 1456 | No | n/a | n/a | n/a | No | |
| 1457 | No | n/a | n/a | n/a | No | |
| 1458 | No | | | | No | |
| 1459 | No | n/a | n/a | n/a | No | |
| 1462 | No | | | | No | |
| 1463 | No | | | | No | |
| 1464 | No | | | | No | |
| 1465 | No | | | | No | |
| 1470 | No | No | No | No | No | Parcel is within East Fork Sand Creek LWC |
| 1475 | No | | | | No | |
| 1477 | No | | | | No | |
| 1478 | Yes- Kinney Rim South D | No | No | Yes | Yes | All parcels associated are in Kinney Rim South D |
| 1479 | No | No | No | No | No | |
| 1480 | No | | | | No | |
| 1481 | No | | | | No | |
| 1483 | No | | | | No | |
| 1484 | No | | | | No | |
| 1485 | No | No | No | No | No | |
| 1486 | No | n/a | n/a | n/a | No | |
| 1488 | No | n/a | n/a | n/a | No | |
| 1489 | No | n/a | n/a | n/a | No | |
| 1490 | No | No | No | No | No | None |
| 1491 | No | n/a | n/a | n/a | No | |
| 1492 | 101 yes, 119 no | 101 no | n/a | n/a | No | |
| 1493 | N/A - Private Surface | N/A | N/A | N/A | N/A | Parcel is private surface ownership |
| 1494 | N/A - Private Surface | N/A | N/A | N/A | N/A | Parcel is private surface ownership |
| 1495 | No | n/a | n/a | n/a | No | |
| 1496 | Yes-West Fork Cherokee Creek & Powder Mtn Ruedloff Ridge | No | N/A | N/A | N/A | Eastern Parcel is West Cherokee, and Western Parcel is Ruedloff Ridge |
| 1497 | Yes- Boggy Meadows, No-RFO Unit C | No | No | No | No | Parcel intersects with Boggy Meadows LWC unit throughout the middle of parcel |
| 1498 | No | yes | no | yes | no | Does not meet the criteria for wilderness consideration. |
| 1499 | No | yes | no | yes | no | Does not meet the criteria for wilderness consideration. |
| 1500 | Yes -Stewart Creek & South Mineral X Rd | No | N/A | N/A | No | North Parcel is in Stewart Creek LWC unit, South Parcel is in South Mineral X LWC unit |
| 1501 | N/A - Private Surface | N/A | N/A | N/A | N/A | Parcel is private surface ownership |
| 1502 | No | | | | No | |
| 1503 | Yes- Blue Gap Central & Cherokee Central | No | N/A | N/A | No | The eastern parcel portions are located in Cherokee Central LWC inventories, and the western parcels are in Blue Gap Central LWC inventories. |
| 1504 | Yes | Yes | no | n/a | No | |
| 1505 | Yes | No | n/a | n/a | No | |
| 1506 | No | n/a | n/a | n/a | No | |

| | | | | | | |
|------|--|--------|-----|-----|-----|---|
| 1507 | No | n/a | n/a | n/a | No | |
| 1508 | No | n/a | n/a | n/a | No | |
| 1509 | No | n/a | n/a | n/a | No | |
| 1510 | Yes -Kinney Rim South E & Ruedloff Ridge, No- RFO_Unit M | No | No | Yes | YES | These parcels overlap 3 LWC inventoried areas. |
| 1511 | No | yes | no | yes | no | Does not meet the criteria for wilderness consideration. |
| 1512 | No | | | | No | |
| 1513 | No | n/a | n/a | n/a | No | |
| 1514 | No | n/a | n/a | n/a | No | |
| 1515 | No | n/a | n/a | n/a | No | |
| 1516 | Yes -Catalina Central Catalina Outlier 3 | No | No | No | No | Majority of parcel is in Catalina Central Inventory |
| 1517 | Y-George Dew, Cataline Central | No | No | No | No | Parcel is split in half by major highway through the middle and major wetland area. |
| 1520 | YES -Kinney Rim South Area C | No | No | Yes | Yes | Parcel is entirely located in Kinney Rim South C Inventory |
| 1521 | YES -Kinney Rim South Area C | No | No | Yes | Yes | Parcel is entirely located in Kinney Rim South C Inventory |
| 1522 | YES -Kinney Rim South Area C | No | No | Yes | Yes | Parcel does overlap barely into RFO Unit M in the SW corner |
| 1523 | Yes- Kinney Rim South Area C No- RFO_Unit M | No | No | Yes | Yes | One parcel is located in RFO Unit M, and one parcel is located in the RSFO |
| 1524 | 039 yes, 158 no | 039 no | n/a | n/a | No | |
| 1525 | No | | | | No | |
| 1526 | No | n/a | n/a | n/a | No | |
| 1527 | No | n/a | n/a | n/a | No | |
| 1528 | No | n/a | n/a | n/a | No | |
| 1529 | No | | | | No | |
| 1530 | No | yes | no | yes | no | Does not meet the criteria for wilderness consideration. |
| 1532 | | No | No | No | No | |
| 1536 | | No | No | No | No | |
| 1538 | | No | No | No | No | |
| 1539 | No | No | No | No | No | |
| 1540 | No | No | No | No | No | |
| 1541 | No | yes | no | yes | no | Does not meet the criteria for wilderness consideration. |
| 1542 | No | | | | No | |
| 1543 | | No | No | No | No | |
| 1544 | No | | | | No | |
| 1545 | No | No | No | No | No | |
| 1548 | No | No | No | No | No | |
| 1549 | No | No | No | No | No | |
| 1551 | No | No | No | No | No | |
| 1552 | No | No | No | No | No | |
| 1554 | No | No | No | No | No | |
| 1557 | No | No | No | No | No | 2013 Inventory Still adequate |
| 1558 | No | No | No | No | No | 2013 Inventory Still adequate |

| | | | | | | |
|------|--|--------|--------|-----|-----|--|
| 1559 | No | No | No | No | No | |
| 1560 | No | No | No | No | No | 2013 Inventory Still adequate |
| 1561 | No | No | No | No | No | 2013 Inventory Still adequate |
| 1562 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1563 | No | No | No | Yes | No | Parcel is within the Lance Creek Fossil Area |
| 1564 | No | No | No | Yes | No | Parcel is within the Lance Creek Fossil Area |
| 1565 | No | No | No | Yes | No | Parcel is within the Lance Creek Fossil Area |
| 1567 | No | | | | No | |
| 1568 | No | | | | No | |
| 1569 | No | | | | No | |
| 1570 | No | | | | No | |
| 1571 | State Section | N/A | N/A | N/A | N/A | State nominated parcels |
| 1573 | No | No | No | No | No | |
| 1575 | No | No | No | No | No | |
| 1576 | No | No | No | No | No | |
| 1577 | No | No | No | No | No | |
| 1578 | No | No | No | No | No | |
| 1579 | No | No | No | No | No | |
| 1580 | No | No | No | No | No | |
| 1581 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 1599 | No | n/a | n/a | n/a | No | |
| 1731 | No | | | | No | |
| 1772 | Private Surface n/a | n/a | n/a | n/a | n/a | n/a |
| 7221 | | | | | | USFS Surface |
| 7223 | Yes- AdobeTown Fringe Area F & North Cow Creek | Yes | Yes | Yes | Yes | Borders Adobe Town WSA directly in class II VRM |
| 7224 | Yes- Kinney Rim South Area D | No | No | Yes | Yes | Parcels lye entirely in LWC inventoried area |
| 7225 | No | n/a | n/a | n/a | No | |
| 7227 | No | n/a | n/a | n/a | No | |
| 7228 | No | n/a | n/a | n/a | No | |
| 7231 | Yes- Kinney Rim South Area D | No | No | Yes | Yes | Parcel overlaps into RSFO |
| 7232 | Yes- Kinney Rim South Area B,C,D, | No | No | Yes | Yes | All responses are the same for each Unit inventoried and listed |
| 7234 | Yes-North Cow Creek & Kinney Rim South D | Yes/NO | Yes/No | Yes | Yes | The western parcel is entirely in Kinney Rim D, and half of the Eastern Parcel is in VRM II in the North Cow Creek |
| 7235 | No | No | No | No | No | |
| 7236 | Yes- Kinney Rim South D | No | No | Yes | Yes | Parcel lies entirely in the LWC inventoried unit |
| 7239 | Yes- Kinney Rim North B | No | No | Yes | Yes | Parcel overlaps into RSFO boundary |
| 7240 | Yes- Kinney Rim North C and D | No | No | Yes | Yes | Parcels overlap into RSFO and overlap LWC inventoried areas |
| | | | | | | |

| | | | | | | |
|------|--------------------------------|-----|-----|-----|----|---|
| 7241 | No | n/a | n/a | n/a | No | |
| 7242 | No | n/a | n/a | n/a | No | |
| 7243 | No | n/a | n/a | n/a | No | |
| 7246 | No | | | | No | |
| 7247 | No | | | | No | |
| 7248 | No | No | No | No | No | Parcel is within East Fork Sand Creek LWC |
| 7249 | YES -East Flat Top Stock Trail | No | No | No | No | No comment |
| 7250 | No | n/a | n/a | n/a | No | |
| 7251 | No | No | No | No | No | 2013 Inventory Still adequate |
| 7252 | No | No | No | No | No | None |
| 7253 | | No | No | No | No | |
| 7254 | No | No | No | No | No | |
| 7255 | No | No | No | No | No | |
| 7257 | No | No | No | No | No | |
| 7258 | No | No | No | No | No | |
| 7259 | No | n/a | n/a | n/a | No | |