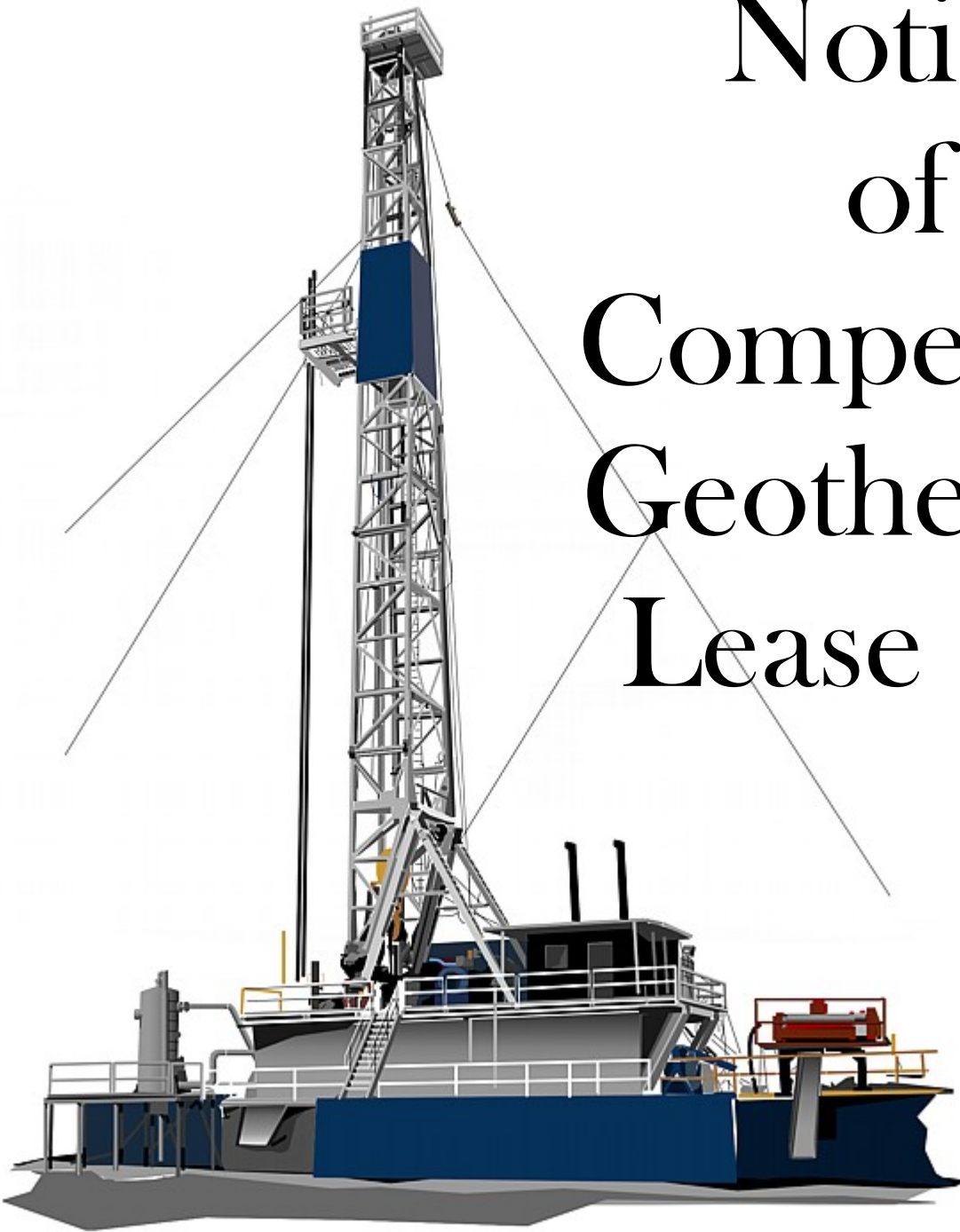


Notice of Competitive Geothermal Lease Sale



December 15, 2020





United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Utah State Office
440 West 200 South, Suite 500
Salt Lake City, UT 84101-1345

In Reply Refer To:
3200 (UT-922)

October 29, 2020

Notice of Competitive Geothermal Internet-Based Lease Sale

In accordance with the *Geothermal Steam Act*, and the BLM regulations at 43 CFR 3200, the Bureau of Land Management (BLM) is offering **28** parcels for internet-based competitive sale of certain Federal lands containing **67,586.89** acres in the State of Utah for geothermal leasing. This notice describes:

- The date, time and location of the sale;
- How to participate in the bidding process;
- The sale process;
- The conditions of the sale;
- How to file a noncompetitive offer after the sale.

When: The sale date is **Tuesday, December 15, 2020**. The open bidding period will begin at **8:00 a.m. Mountain Daylight Time (MDT)/9:00 a.m. Central Daylight Time (CDT)** on Tuesday, December 15, 2020. Each parcel will have its own unique open bidding period, with start and stop times clearly identified on the auction website. The open bidding period for each parcel will run for **30 minutes**, from start to finish, with a **3 minute** interval between each parcel and bids will **only** be accepted during a parcel's open bidding period.

Where: The sale is held online at <https://www.energynet.com/>. Click the Government Lease Sales icon to view this online lease sale. Parcels may be viewed online at the EnergyNet website approximately 10 days after the posting of this Notice of Competitive Geothermal Internet-Based Lease Sale (NCLS) on the BLM website.

Access: The auction website is open to the public. The internet-based lease sale can be observed in real-time. However, you must register as a bidder on the website, in advance, in order to submit bids for a parcel. The auction website will be active and available for use approximately 10 days after the date of posting this NCLS and will remain available for viewing until the completion of the auction. The available parcels listed below will be detailed on the website, and the information displayed on the website during the offering period represents the authoritative record. Interested parties may visit the website at any time.

Potential bidders may register for the online auction as soon as the auction website is active and are encouraged to do so early. Bidders must be registered for the online lease sale before the bidding commences. Further, potential bidders are encouraged to visit the website prior to the

start of the open bidding period and become familiar with the site and review the bidding tutorial. Supporting documentation is available on the website to familiarize new users to the process and answer frequently asked questions.

Attached is a list of lands we are offering by serial number, parcel number and land description. We have included any stipulations, lease notices, special conditions or restrictions that will be made a part of the lease below each parcel description. For your convenience, we are including a copy of the bid form, the list of lands and the shape files also available at our public internet site: <https://www.blm.gov/programs/energy-and-minerals/renewable-energy/geothermal-energy/regional-information/utah>.

How will the sale be conducted?

The sale will be conducted *by online bidding only*. The online auction design will be a sequential ascending clock, fixed period, English auction. Each parcel will have its own unique open bidding period, with start and stop times clearly identified on the auction website. The open bidding period for each parcel will run for **30 minutes**, from start to finish. Bids will only be accepted for each parcel during its open bidding period and each parcel will close bidding sequentially so that each bidder will know if they are the highest winning bidder on a parcel before subsequent parcels close for bidding. The website will display each current high bid, and the high bid bidder's number. The winning bid is the highest bid per acre received, equal to or exceeding the minimum acceptable bid, which is on record in the online auction system by the close of the auction period. The online system allows participants to submit maximum bids allow a bidder to and later participate in the online auction without having to be logged into the website at the time the auction period closes. The auction website provides a full explanation of placing maximum bids, as well as an explanation of how they work to place bids on your behalf to maintain your high bidder status up to the chosen maximum bid amount. The BLM strongly encourages potential bidders to review the bidding tutorial, in the Frequently Asked Questions area on the auction website in advance of the online lease sale.

How do I participate in the bidding process?

To participate in the BLM bidding process, you must register and obtain a bidder number before the start of the auction. Approximately 10 days after posting of this notice on the BLM website, a potential bidder can register to bid at the auction website address above. Bidders are encouraged to register early, to familiarize themselves with the bidding instructions and ensure they have ample time to complete all the required bidder registration steps before open bidding period commences.

If you are bidding for more than one party, you must register separate credentials, satisfy all registration requirements and obtain a separate bidder number for each company or individual you wish to represent.

When registering as a bidder on the auction website, you will be asked to sign a statement to confirm that any bid you cast will represent a good-faith intention to acquire a geothermal lease and that you understand that any winning bid will constitute a legally binding commitment to accept the terms of the lease and pay monies owed. Further, you will acknowledge, through self-certification of the enhanced bidder form, that you understand that it is a crime under 18 U.S.C. 1001 and 43 U.S.C. 1212 to knowingly and willfully make any false, fictitious, or fraudulent

statements or representations regarding your qualifications; bidder registration and intent to bid; acceptance of a lease; or payment of monies owed; and that any such offense may result in a fine or imprisonment for not more than 5 years or both. You will also acknowledge that you understand that it is a crime under 30 U.S.C. 195 (a) and (b) to organize or participate in any scheme to defeat provisions of the mineral leasing regulations. Any person who knowingly violates this provision will be punished by a fine of not more than \$500,000, imprisonment for not more than 5 years, or both.

If you, or the party you represent, owe the United States any monies that were due the day of a previous oil and gas or geothermal lease auction conducted by any BLM office (the minimum monies owed the day of sale), or any monies owed EnergyNet for a previous oil and gas or geothermal lease auction conducted by EnergyNet for any BLM office, you will not be allowed to register to bid at this lease sale. The Mineral Leasing Act requires that leases be issued to a “responsible qualified bidder” [30 U.S.C. 226(b)(1)(A)]. Any bidder, or party represented by a bidding agent, that does not pay the minimum monies owed the day of the sale is not a “responsible qualified bidder” and will be barred from participating in any oil and gas or geothermal lease auction nationwide until that debt to the United States is settled. In addition, if you or the party you represent defaults at any three sales conducted by any BLM office, you or the party you represent will be barred permanently from participating in any other BLM oil and gas or geothermal lease sale auction.

You do not have to be “present” in the auction in order to participate as a bidder. The online auction provides a “maximum bid” bidding option. By using the “maximum bid” option, you are asking the system to bid automatically on your behalf, up to an amount you specify.

Provisions Pertaining to Certain Transactions by Foreign Persons Involving Real Estate in the United States:

The Office of Investment Security, Department of the Treasury issued a final rule, **effective February 13, 2020**, establishing regulations to implement the provisions relating to real estate transactions in section 721 of the Defense Production Act of 1950, as amended by the Foreign Investment Risk Review Modernization Act of 2018. The final rule was published at 85 Fed. Reg. 3158 (Jan. 17, 2020), and codified at 31 C.F.R. part 802.

The new rule sets forth the process relating to the national security review by the Committee on Foreign Investment in the United States (CFIUS) of certain transactions, referred to in the rule as “covered real estate transactions,” that involve the purchase or lease (including an assignment or other transfer) by, or concession to, a foreign person of certain real estate in the United States. Covered real estate transactions could include some transactions involving the Federal mineral estate.

The CFIUS looks not only at the entities that are lessees, but also to any [legal] person with the ability to exercise control, as defined by the statute and its implementing regulations, over the lessee. CFIUS is authorized to review covered real estate transactions and to mitigate any risk to the national security of the United States that arises as a result of such transactions. This could result in the modification, suspension, or prohibition of a lease or interest therein.

Accordingly, BLM recommends that each potential bidder, lessee, or [other] interest holder review the final rule before bidding on or acquiring an interest in a Federal oil and gas or geothermal lease.

For further information, please refer to the CFIUS page:

<https://home.treasury.gov/policy-issues/international/the-committee-on-foreign-investment-in-the-united-states-cfius>

What is the sale process?

Starting at the posted opening date and time for each parcel:

- All bids are on the gross (total) per-acre basis, rounded up to whole acres, for the entire acreage in the parcel;
- All bids are made in minimum increments of \$1.00 per acre, or fraction of an acre thereof;
- The winning bid is the highest received bid, equal to or exceeding the minimum acceptable bid, which is on record in the online auction system at the close of the auction period; and
- **The decision of the BLM, as presented on the auction website's bid history at www.energynet.com, is final.**

The minimum acceptable bid is \$2 per acre. Round up to the next whole acre parcels that contain fractional acreage. For example, a parcel of 100.51 acres requires a minimum bid of \$202.00 (\$2 x 101 acres).

You cannot withdraw a bid once a bid is placed and the auction system determines that you are the high bidder, whether the bid was a flat bid or a maximum bid.

How long will the sale last?

Each parcel will have its own unique open bidding period, with start and stop times clearly identified on the auction website. The open bidding period for each parcel will run for **30 minutes**, from start to finish. The length of the sale depends on the number of parcels being offered.

What conditions apply to the lease sale?

- **Parcel withdrawal or sale postponement:** We reserve the right to withdraw any or all parcels before the sale begins. If we withdraw a parcel, we will post a notice in the BLM Utah State Office Information Access Center (Public Room) before the sale begins. Additionally, the auction website will clearly indicate that a parcel is withdrawn. If we postpone the sale, a clear notice will be posted in the Public Room, the State Office website, and on the auction website.
- **Fractional interests:** 43 CFR 3206.15 If the United States owns less than 100 percent of the mineral interest for the land in a parcel we will show that information as part of the parcel listing. When we issue the lease, it will be for the percentage or fraction of interest the United States owns. However, you must calculate your bonus bid and advance rental payment on the gross (total) acreage in the parcel, not the United States net interest. For

example, if a parcel contains 199.31 acres and the United States owns 50 percent of the mineral interest, the minimum bonus bid will be \$400 (\$2 x 200 acres) and the advance annual rental will be \$400 (\$2 x 200 acres) for the first year and \$600 (\$3 x 200 acres) for the remainder of the lease term. Conversely, your chargeable acreage and royalty on production will be calculated on the United States net acreage.

- **Payment due:** You cannot withdraw a bid. Your bid is a legally binding contract. For **each parcel** you are the successful high bidder, you must pay at least the minimum bonus bid of **20% of the bid**; the first year's advance rental of **\$2.00** per acre or fraction of an acre; and a non-refundable administrative fee of **\$170.00**. These are monies you owe the United States, whether or not a lease is issued. **You must provide to the BLM Utah State Office prior to 4:00 p.m. MST, the same day the parcel(s) closes, confirmation (via email or fax) that the payment for the parcel(s) has been initiated and type of payment method.** Payment will be made directly to the BLM Utah State Office. **Payments to the BLM will not be made through the auction website.** At the conclusion of each parcel's bidding period, the winning bidder will be provided instructions by the online auction system on how to make the required payment to the BLM. Also, you will be required to pay the buyer's premium to EnergyNet of 1.5% of any successful bid, in order to participate in the internet-based lease sale.

If your bonus bid was more than \$2 per acre or fraction of an acre and you initiate payment for only the minimum amount due on the day of the sale for the parcel, you must pay any remaining balance due by the close of business on the 15th calendar day after the last day of the internet-based auction. **Remaining balance will be due in the Utah State Office by 4:00 p.m. MST, on December 30, 2020.** If you do not pay in full by this date, you lose the right to the lease and all money due on the day of the sale. If you forfeit a parcel, we may offer it again at a future sale.

The minimum monies owed on the day of the sale for a winning bid are monies owed to the United States (43 CFR 3203.17). If payment of the minimum monies owed the day of the sale is not received by the date and time above, the BLM will issue a bill for the monies owed. If payment is not received by the bill due date, a demand letter will be sent to you that will include additional fees. If payment is not received as requested by the demand letter, the U.S. will immediately pursue collection by all appropriate methods, and when appropriate, collect late fees, interest, administrative charges, and on past-due amounts assess civil penalties. "All appropriate methods" include, but are not limited to, referral to collection agencies and credit reporting bureaus; salary or administrative offset; offset of Federal and state payments, including goods or services; Federal and state tax refund offset; and retirement payment offset. Debts may be sent to the Internal Revenue Service and charged as income to you on Form 1099C, Cancellation of Debt (Federal Claims Collection Act of 1966, as amended; The Debt Collection Improvement Act of 1996; 31 CFR part 285).

Once you obtain your lease, you must pay the second and all subsequent rental payments to the Department of the Interior's Office of Natural Resources Revenue (ONRR) on or before the lease anniversary date. If your rental is not received by the ONRR on or before the anniversary date each year, your lease will automatically

terminate. You should mail the rental payment at least a week or 10 days before the lease anniversary date. You must pay ONRR directly. The BLM will not forward any misfiled payments to the ONRR.

- **Forms of payment:** Specific payment instructions will be provided by the online auction system to winning bidders. You can pay by personal check, certified check, money order, Electronic Funds Transfer (EFT), Automated Clearing House (ACH) or credit card (Visa, MasterCard, American Express or Discover only). We cannot accept cash. If you pay by check in person at the BLM, Utah State Office, please make checks payable to: **Department of the Interior-BLM**. If a check you have sent to us in the past has been returned for insufficient funds, we may ask that you give us a guaranteed payment, such as a certified check. If you plan to make your payment using a credit card, you should contact your bank prior to the sale and let them know you will be making a substantial charge against your account. The BLM does not have Personal Identification Number (PIN) equipment for the purpose of processing PIN authorized debit cards. All debit card transactions will be processed as credit cards and the dollar value limits will apply.

Please note: in accordance with the Department of Treasury Financial Manual, Announcement No. A-2014-04, The BLM cannot accept credit card payments for an amount equal to or greater than \$24,999.99. The BLM cannot accept aggregated smaller amounts to bypass this requirement. An amount owed that exceeds the maximum dollar amount for a credit card payment transaction may not be split into two or more payment transactions in the same day by using one or more credit cards. If you pay by credit card and the transaction is refused, we will try to notify you early enough so that you can make other payment arrangements. **However, we cannot grant you any extension of time to pay the money that is due the day of the sale.**

- **Bid form:** On the day of the sale, if you are a successful winning high bidder, you must submit (email or fax) to BLM a properly completed and signed competitive bid form (Form 3000-2, July 2012) with the required payment. This form is a legally binding offer by the prospective lessee to accept a lease and all its terms and conditions. Once the form is signed, you cannot change it. The online auction system will provide the successful winning high bidder with a fillable pdf of this bid form and instructions on how to submit the form to the BLM Utah State Office after the auction. We will not accept any bid form that has information crossed out or is otherwise altered. **We will not issue a lease until we received a signed copy of the bid form in accordance with 43 CFR 3202.11.**

You will be shown the bid form as part of the bidder registration process, and asked to certify that you will complete and execute it should you be the successful winning high bidder. We ask that you complete the form at this time to ensure that you can meet this condition.

Your completed bid form certifies that:

- 1) You and/or the prospective lessee are qualified to hold a geothermal lease under our regulations at 43 CFR 3202.11; and,

- 2) Both of you have complied with 18 U.S.C. 1860, a law that prohibits unlawful combinations, intimidation of and collusion among bidders.

This notice includes a copy of the bid form, and again, you will be provided a copy during the bidder registration process and asked to assert that you agree that you will be able and willing to comply and sign it if you are the winning bidder at the close of the auction.

- **Federal acreage limitations:** Qualified individuals, associations, or corporations may only participate in a competitive lease sale and purchase Federal geothermal leases from this office if such purchase will not result in exceeding the State limit of 51,200 acres of public domain land and 51,200 acres of acquired land (30 U.S.C. 184(d)). For the purpose of chargeable acreage limitations, you are charged with your proportionate share of the lease acreage holdings of partnerships or corporations in which you own an interest greater than 10 percent. Lease acreage committed to a unit agreement, communitization agreement or development contract that you hold, own or control and acreage in leases for which royalty (including compensatory royalty or royalty-in-kind) was paid in the preceding calendar year is excluded from chargeability for acreage limitation purposes. The acreage limitations and certification requirements apply for competitive geothermal lease sales, noncompetitive lease offers, transfer of interest by assignment of record title or operating rights, and options to acquire interest in leases regardless of whether an individual, association, or corporation has received, under 43 CFR 3206.13, additional time to divest excess acreage acquired through merger or acquisition.
- **Lease Issuance:** After we receive the bid form and all the money due, we can issue the lease. Usually, a lease is effective the first day of the month following the month in which we sign it. If you want your lease to be effective the first day of the month in which we sign it, you must ask us in writing to do this. We have to receive your request before we sign the lease.
- **Lease terms:** A lease issued as a result of this sale will have a primary term of 10 years. The BLM will extend the primary term of the lease if the requirements found in the regulations at 43 CFR 3207.10 have been met. **Annual rental is \$2 per acre for the first year (paid to BLM), and \$3 per acre for the second through tenth year (paid to Office of Natural Resource Revenue (ONRR)).** After the tenth year, annual rent will be \$5 per acre. Rent is always due in advance. ONRR must receive annual rental payments by the anniversary date of the lease or your lease may be terminated. You will find other lease terms on our standard lease form (Form 3200-024a).
- **Split Estate:** Information regarding leasing of Federal minerals under private surface, referred to as “Split Estate,” is available at the following Washington Office website: <https://www.blm.gov/programs/energy-and-minerals/oil-and-gas/leasing/split-estate>. A Split Estate brochure is available at this site. The brochure outlines the rights, responsibilities, and opportunities of private surface owners and oil and gas or geothermal operators in the planning, lease sale, permitting/development, and operations/production phases of the geothermal program.

- **Stipulations:** Some parcels are subject to special requirements or restrictions, which are called stipulations. They are requirements or restrictions on how you conduct operations. These stipulations are included with the parcel descriptions. Stipulations are part of the lease and supersede any inconsistent provisions of the lease form.

All Federal geothermal lease rights are granted subject to applicable laws under Section 6 of the lease terms, and lessees must meet certain requirements under the Endangered Species Act, as amended, 16 U.S.C. 1531 *et. seq.* In accordance with Washington Office (WO) Instruction Memorandum (IM) No. 2002-174 each parcel included in this lease sale will be subject to the Endangered Species Act Section 7 Consultation Stipulation. In accordance with WO Instruction Memorandum No. 2005-003, *Cultural Resources and Tribal Consultation, for Fluid Minerals Leasing*, each parcel in this lease sale will be subject to the Cultural Resource Protection Stipulation.

How do I file a noncompetitive offer after the sale?

Lands that do not receive a bid are available on a first-come, first-served basis for a two-year period, beginning the day after the sale. The noncompetitive offers must be submitted to the BLM Utah State Office. If you want to file a noncompetitive offer on an unsold parcel, you must give us:

- Three copies of an *Offer to Lease and Lease for Geothermal Resources* Form 3200-24a (September 2008) properly completed and signed. Provide two executed copies. **Please note:** *You may copy the lease form, but you must copy the four pages of the lease document onto two pages. If you copy the form on 4 pages or use an obsolete lease form, we will reject your offer. Any copy you make must be legible*, and;
- Your payment for the total of the \$445 filing fee and the advanced first year's rental (\$1.00 per acre). Remember to round up any fractional acreage when you calculate the amount of rental.

Submit the aforementioned items to the BLM, Utah State Office Information Access Center (Public Room) by mail. We consider all offers filed the day of a sale and the first business day after it, for any of the unsold parcels, filed at the same time. If a parcel receives more than one offer, we will hold a drawing to pick the winner (see 43 CFR 1822.17).

For 30 days after the competitive geothermal lease sale, noncompetitive applications will be accepted only for parcels as configured in the Notice of Competitive Geothermal Lease Sale. Subsequent to the 30-day period, you may file a noncompetitive application for any available lands covered by the competitive lease sale, not to exceed 5,120 acres per lease.

All applications for a particular parcel will be considered simultaneously filed if received in the BLM Utah State Office any time during the first business day following the competitive lease sale. An application will not be available for public inspection the day it is filed. BLM will randomly select an application among those accepted on the first business day to receive a lease offer.

Subsequent to the first business day following the competitive lease sale, the first qualified applicant to submit an application will be offered the lease.

May I amend my application for a noncompetitive lease?

You may amend your application for a noncompetitive lease at any time before we issue the lease, provided your amended application does not add lands not included in the original application. To add lands, you must file a new application.

May I withdraw my application for a noncompetitive lease?

During the 30-day period after the competitive lease sale, BLM will only accept a withdrawal of the entire application. Following that 30-day period, you may withdraw your noncompetitive lease application in whole or in part at any time before BLM issues the lease. If a partial withdrawal causes your lease application to contain less than the minimum acreage required (640 acres, or all lands available for leasing in the section, whichever is less), BLM will reject the application.

How can I find out the results of this sale?

The sale results will be posted on the EnergyNet website at www.energynet.com and the BLM, Utah State Office website at <https://www.blm.gov/programs/energy-and-minerals/renewable-energy/geothermal-energy/regional-information/utah>.

For more information, please contact Melissa Jennings, Fluid Mineral Leasing Coordinator, at (801) 539-4148 or mjennings@blm.gov.

Kent Hoffman
Deputy State Director
Division of Lands and Minerals

THE FOLLOWING STIPULATIONS AND NOTICE WILL BE ATTACHED TO ALL ISSUED LEASES:

CULTURAL RESOURCE PROTECTION STIPULATION

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, E.O. 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 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.

THREATENED AND ENDANGERED SPECIES ACT STIPULATION

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 would contribute to a need to list such species or their habitat. 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. BLM will not approve any ground-disturbing activity 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.

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95294

(UT0320–GEO-003)

T. 19 S., R. 6 W., SLM

Sec. 18: All.

674.20 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95295

(UT0320–GEO-004)

T. 19 S., R. 6 W., SLM

Secs. 19 and 20: All;

Sec. 29: N2NE, NESENE, N2NW;

Sec. 30: Lots 1-4, N2NE, SWNE, W2SENE, E2NW, E2SW, W2SE;

Sec. 31: Lots 1-4, W2W2NE, E2NW, E2SW, W2NWSE, SENWSE, SWSE, W2SESE, SESESE.

2,540.52 Acres

Millard County, Utah

Fillmore Field Office

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-S-02: NSO – Pavant Butte ACEC

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-59: Erodible Soils and Steep Slopes

UT-LN-60: Steep Slopes

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95296

(UT0320–GEO-005)

T. 20 S., R. 6 W., SLM

Secs. 5 and 6: All.

1,422.69 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-S-02: NSO – Pavant Butte ACEC

UT-S-262: TL – Crucial Raptor Nesting Area

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-46: Pygmy Rabbit
UT-LN-49: Utah Sensitive Species
UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-107: Bald Eagle
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95297

(UT0320–GEO-006)

T. 20 S., R. 6 W., SLM

Secs. 7, 8, 17 and 18: All.

2,609.76 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-S-262: TL – Crucial Raptor Nesting Area

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95298

(UT0320–GEO-007)

T. 20 S., R. 6 W., SLM

Secs. 19 and 20: All;

Sec. 21: W2;

Secs. 29, 30 and 31: All;

Sec. 33: NW.

3,758.12 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-S-262: TL – Crucial Raptor Nesting Area

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95299

(UT0320–GEO-010)

T. 18 S., R. 7 W., SLM

Sec. 31: Lot 3.

39.91 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95300

(UT0320–GEO-011)

T. 19 S., R. 7 W., SLM

Sec. 12: S2SESW, S2S2SE;

Sec. 13: NE, E2NW, E2SE, N2NWSE, SENWSE.

410.00 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-53: Riparian Areas
UT-LN-54: Floodplains
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-107: Bald Eagle
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95301

(UT0320–GEO-013)

T. 19 S., R. 7 W., SLM

Sec. 24: NENESE, S2NESE, E2SWSE, SESE;

Sec. 25: E2, NESENW, S2SENW, NESW, NENWSW, S2NWSW, S2SW.

590.00 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95302

(UT0320–GEO-014)

T. 20 S., R. 7 W., SLM

Sec. 1: All;

Sec. 11: E2NE, E2SWNE, E2SE, E2NWSE, NESWSE, S2SWSE;

Secs. 12 and 13: All;

Sec. 14: Lots 1-7, W2NE, NENENW, S2NENW, S2NW, N2SW, NWSE;

Sec. 15: SESWNE, S2SENE, NESW, NENWSW, S2NWSW, S2SW, SE.

3,072.26 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-187: TL – Clear Lake Waterfowl Buffer Strip

UT-S-262: TL – Crucial Raptor Nesting Area

Notices

T&E-27: Yellow-Billed Cuckoo

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95303

(UT0320–GEO-015)

T. 20 S., R. 7 W., SLM

Sec. 7: Lots 1-4, W2SWNE, SESWNE, SWNENW, SENW, E2SW, W2NESE, SENESE, W2SE, SESE;

Sec. 17: W2W2NW, S2NESW, W2SW, SESW, SWNWSE, SWSE, W2SESE, SESESE;

Sec. 18: All.

1,368.84 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

T&E-27: Yellow-Billed Cuckoo

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95304

(UT0320–GEO-016)

T. 20 S., R. 7 W., SLM

Secs. 19, 20, 29, 30 and 31: All.

3,201.56 Acres

Millard County, Utah

Fillmore Field Office

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95305

(UT0320–GEO-017)

T. 20 S., R. 7 W., SLM

Secs. 21, 22, 27, 28, 33 and 34: All.

3,873.50 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-96: Air Quality Mitigation Measures

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-107: Bald Eagle
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95306

(UT0320–GEO-018)
T. 20 S., R. 7 W., SLM
Secs. 23, 24, 25, 26 and 35: All.
3,213.36 Acres
Millard County, Utah
Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act
HQ-CRP: Cultural Resources Protection

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources
UT-GEO-LN-04: Geotechnical Analysis
UT-GEO-LN-06: Migratory Birds
UT-GEO-LN-08: Mining Claims
UT-GEO-LN-09: Water Resources
UT-LN-44: Raptors
UT-LN-45: Migratory Birds
UT-LN-46: Pygmy Rabbit
UT-LN-49: Utah Sensitive Species
UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-107: Bald Eagle
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95307

(UT0320–GEO-019)
T. 21 S., R. 7 W., SLM
Secs. 1, 3 and 4: All;
Sec. 5: Lots 1-4, S2NE, S2NW, SE;
Sec. 6: Lots 1, 2, S2NE;
Secs. 9 and 10: All;
Sec. 11: N2, SW.
4,348.64 Acres
Millard County, Utah

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95308

(UT0320–GEO-020)

T. 26 S., R. 7 W., SLM

Sec. 2: Lots 2, 3, SWNE, SENW;

Sec. 3: All;

Sec. 4: Lots 1-3, S2NE, SENW, E2SW, SE.

1,275.68 Acres

Millard County, Utah (1,121.68 acres)

Beaver County, Utah (154.00 acres)

Fillmore Field Office

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-GEO-LN-05: Fossils
UT-GEO-LN-06: Migratory Birds
UT-GEO-LN-09: Water Resources
UT-LN-44: Raptors
UT-LN-45: Migratory Birds
UT-LN-46: Pygmy Rabbit
UT-LN-49: Utah Sensitive Species
UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-107: Bald Eagle
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95309

(UT0320–GEO-021)

T. 26 S., R. 7 W., SLM

Secs. 9 and 10: All;

Sec. 11: W2NE, SENE, W2, SE;

Sec. 14: Lots 3-8, NESW;

Sec. 15: All.

2,801.37 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-20: Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95310

(UT0320–GEO-022)

T. 26 S., R. 7 W., SLM

Secs. 21 and 22: All;

Sec. 27: SWNE, W2, W2SE;

Sec. 28: E2, E2NW, E2SW;

Sec. 33: E2, E2NW, E2SW;

Sec. 34: All;

Sec. 35: NENE, S2NE, S2SW, SE.

3,678.20 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-20: Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-55: Water and Watershed Protection
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

UTU95311

(UT0320–GEO-023)

T. 26 S., R. 7 W., SLM

Sec. 23: SENE;

Sec. 24: NENW, S2NW, SW.

320.00 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-LN-156: Pollinators and Pollinator Habitat

UTU95312

(UT0320–GEO-025)

T. 19 S., R. 8 W., SLM

Sec. 13: All;

Sec. 23: E2;

Sec. 24: All;

Sec. 25: Lot 1, W2NW, SENW, W2NESW, W2SW, W2SESW;

Sec. 26: E2;

Sec. 35: NENE, W2, SESE;

Sec. 36: W2SW.

1,768.85 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-58: NSO – Sunstone Knoll Rockhounding Area

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95313

(UT0320–GEO-026)

T. 20 S., R. 8 W., SLM

Sec. 1: Lot 4, SWNW, W2SENW, SESENW, SW, SWNESE, W2NWSE, SENWSE, S2SE;

Sec. 2: Lots 2-4, S2NE, S2NW;

Sec. 11: E2;

Secs. 12 and 13: All;

Sec. 14: E2;

Sec. 23: E2;

Secs. 24 and 25: All.

4,187.65 Acres

Millard County, Utah

Fillmore Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

T&E-27: Yellow-Billed Cuckoo

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-54: Floodplains

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-107: Bald Eagle

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95314

(UT0320–GEO-027)

T. 26 S., R. 9 W., SLM

Sec. 31: Lots 3, 4, E2SW, SE;

T. 27 S., R. 9 W., SLM

Sec. 4: Lot 1;

Sec. 5: Lots 1, 2, S2NE, SWSW, SE;

Sec. 6: All;

Sec. 7: Lots 1, 2, NE, E2NW;

Secs. 8 and 17: All;

Sec. 18: Lots 1, 2, NE, E2NW.

3,391.72 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95315

(UT0320–GEO-028)

T. 27 S., R. 9 W., SLM

Secs. 19, 20, 21, 28, 29, 30: All;

Sec. 31: Lots 1, 2, E2, E2NW, NESW;

Sec. 33: All.

5,059.66 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-20: Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95316

(UT0320–GEO-029)

T. 27 S., R. 9 W., SLM

Secs. 22, 23 and 24: All;

Sec. 25: NE, W2NW, SENW, S2;

Secs. 26, 27 and 34: All;

Sec. 35: N2, SW, N2SE, SWSE.

5,040.00 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-163: CSU – VRM Class II Area

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-08: Mining Claims

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-20: Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95317

(UT0320–GEO-030)

T. 28 S., R. 9 W., SLM

Sec. 1: Lots 1-4, S2NE, S2NW;

Sec. 3: Lots 1-4, S2NE, S2NW;

Sec. 4: Lots 1-4, S2NE, S2NW;

Sec. 5: Lots 1-4, S2NE, S2NW;

Sec. 6: Lots 1, 2, S2NE.

1,632.26 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

UT-S-163: CSU – VRM Class II Area

UT-S-239: TL – Seasonal Mule Deer Habitat

UT-S-240: TL – Crucial Deer Winter Range

UT-S-243: TL – Crucial Elk Winter Range

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-20: Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UTU95318

(UT0320–GEO-031)

T. 27 S., R. 10 W., SLM

Sec. 1: SENE, S2;

Sec. 12: All;

Sec. 13: S2;

Secs. 24 and 25: All;

Sec. 26: E2.

2,920.00 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-71: Paleontological

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95319

(UT0320–GEO-032)

T. 30 S., R. 11 W., SLM

Sec. 13: N2NE, N2SWNE, SWSWNE, NWSENE, NW, N2NESW, NWSW;

Sec. 14: N2, SW, N2SE, SWSE, N2SESE;

Sec. 15: All;

Sec. 22: N2, N2SW, N2SWSW, NWSESW, N2NESE, N2NWSE, SWNWSE.

2,080.00 Acres

Beaver County, Utah

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

Notices

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-71: Paleontological

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95320

(UT0320–GEO-033)

T. 30 S., R. 12 W., SLM

Sec. 9: E2SE;

Sec. 10: S2;

Sec. 12: S2NW;

Sec. 14: N2;

Sec. 15: Lot 4, E2NE, SESW, SE;

Sec. 22: Lots 1-4, N2NE, E2NW;

Sec. 23: N2.

1,760.87 Acres

Beaver County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-GEO-S-02: NSO – Traditional Cultural Properties

UT-GEO-S-03: NSO – Riparian Habitat

UT-GEO-S-04: CSU – Riparian Habitat Buffer

UT-GEO-S-08: NSO – Water Bodies, Wetlands, and/or 100-year Floodplains

Notices

T&E-09: Utah Prairie Dog

UT-GEO-LN-03: Paleontological and Cultural Resources

UT-GEO-LN-04: Geotechnical Analysis

UT-GEO-LN-05: Fossils

UT-GEO-LN-06: Migratory Birds

UT-GEO-LN-09: Water Resources

UT-LN-13: Pronghorn Winter Habitat

UT-LN-44: Raptors

UT-LN-45: Migratory Birds

UT-LN-46: Pygmy Rabbit

UT-LN-49: Utah Sensitive Species

UT-LN-51: Special Status Plants: Not Federally Listed

UT-LN-52: Noxious Weeds

UT-LN-53: Riparian Areas

UT-LN-55: Water and Watershed Protection

UT-LN-96: Air Quality Mitigation Measures

UT-LN-99: Regional Ozone Formation Controls

UT-LN-101: Air Quality

UT-LN-102: Air Quality Analysis

UT-LN-147: Kit Fox Habitat

UT-LN-156: Pollinators and Pollinator Habitat

UTU95321

(UT0320–GEO-034)

T. 31 S., R. 12 W., SLM

Sec. 3: Lots 3-5, 12;

Sec. 4: Lots 1, 2, 7-10;

Sec. 5: S2SW.

547.27 Acres

Iron County, Utah

Cedar City Field Office

Stipulations

HQ-ESA: Threatened and Endangered Species Act

HQ-CRP: Cultural Resources Protection

UT-GEO-S-01: NSO – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects and Traditional Use Areas)

UT-GEO-S-02: NSO – Traditional Cultural Properties

Notices

T&E-09: Utah Prairie Dog

T&E-26: Southwestern Willow Flycatcher Habitat – Riparian Areas

UT-GEO-LN-03: Paleontological and Cultural Resources

BLM UTAH 2020 FINAL GEOTHERMAL LEASE SALE LIST

UT-GEO-LN-04: Geotechnical Analysis
UT-GEO-LN-05: Fossils
UT-GEO-LN-06: Migratory Birds
UT-GEO-LN-09: Water Resources
UT-LN-13: Pronghorn Winter Habitat
UT-LN-44: Raptors
UT-LN-45: Migratory Birds
UT-LN-46: Pygmy Rabbit
UT-LN-49: Utah Sensitive Species
UT-LN-51: Special Status Plants: Not Federally Listed
UT-LN-52: Noxious Weeds
UT-LN-57: Public Water Reserve
UT-LN-71: Paleontological
UT-LN-96: Air Quality Mitigation Measures
UT-LN-99: Regional Ozone Formation Controls
UT-LN-101: Air Quality
UT-LN-102: Air Quality Analysis
UT-LN-147: Kit Fox Habitat
UT-LN-156: Pollinators and Pollinator Habitat

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

	STANDARD STIPULATIONS (FROM H-3120 – COMPETITIVE LEASING HANDBOOK) *
CULTURAL RESOURCE PROTECTION STIPULATION	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, E.O. 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 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.
THREATENED AND ENDANGERED SPECIES ACT STIPULATION	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 would contribute to a need to list such species or their habitat. 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. BLM will not approve any ground-disturbing activity 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.

*These stipulations are attached to all leases issued.

NUMBER	STIPULATIONS
UT-GEO-S-01	<p>NO SURFACE OCCUPANCY – NATIONAL REGISTER OF HISTORIC PLACES, CULTURAL RESOURCES (SITES, STRUCTURES, OBJECTS, AND TRADITIONAL USE AREAS)</p> <p>In accordance with the No Surface Occupancy Lease Stipulations in Section 2.3.2 of the December 2008 Bureau of Land Management Record of Decision for the Geothermal Leasing Environmental Impact Statement and the suggested mitigating measures, No Surface Occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.</p> <p>Exception: The Authorized Officer may grant an exception if an environmental review determines that the action, as proposed or otherwise restricted, does not affect the resource and/or the resource the resource is no longer National Register quality. An exception may also be granted if the proponent, BLM, and other affected interests negotiate mitigation that would satisfactorily offset the anticipated negative impacts. An exception may be granted for actions designed to enhance the long-term utility or availability of the cultural resources.</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	STIPULATIONS
	<p>Modification: The Authorized Officer may modify the size and shape of the restricted area if an environmental analysis indicates the actual suitability of the land for the resource differs from that in the otherwise applicable restriction.</p> <p>Waiver: The restriction may be waived if it is determined that the described lands do not contain the subject resource, or are incapable of serving the requirements of the resource and therefore no longer warrant consideration as a component necessary for protection of the resource.</p>
<p style="text-align: center;">UT-GEO-S-02</p>	<p style="text-align: center;">NO SURFACE OCCUPANCY – TRADITIONAL CULTURAL PROPERTIES</p> <p>In accordance with the No Surface Occupancy Lease Stipulations in Section 2.3.2 of the December 2008 Bureau of Land Management Record of Decision for the Geothermal Leasing Environmental Impact Statement and the suggested mitigating measures, No Surface Occupancy within areas with important cultural and archaeological resources, such as traditional cultural properties and Native American sacred sites, as identified through consultation.</p> <p>Exception: None.</p> <p>Modification: The Authorized Officer may modify the size and shape of the restricted area if through consultation and cultural analysis indicates the traditional cultural properties resource differs or changes.</p> <p>Waiver: The restriction may be waived if it is determined that the described lands do not contain the subject resource, or are incapable of serving the requirements of the resource and therefore no longer warrant consideration as a component necessary for protection of the resource.</p>
<p style="text-align: center;">UT-GEO-S-03</p>	<p style="text-align: center;">NO SURFACE OCCUPANCY – RIPARIAN HABITAT</p> <p>No Surface Occupancy (NSO) on and within riparian-wetland vegetated areas to protect the values and functions of these areas. To protect the values and functions of riparian and wetland areas based on the nature, extent, and value of the area potentially affected.</p> <p>Exception: The Authorized Officer may grant an exception if an environmental review determines that the action, as proposed or otherwise restricted, does not affect the resource. An exception may also be granted if the proponent, BLM, and other affected interests negotiate mitigation that would satisfactorily offset the anticipated negative impacts. An exception may be granted for actions designed to enhance the long-term utility or availability of the riparian habitat.</p> <p>Modification: The Authorized Officer may modify the size and shape of the restricted area if an environmental analysis indicates the actual suitability of the land for the resource differs from that in the otherwise applicable restriction.</p> <p>Waiver: The restriction may be waived if it is determined that the described lands do not contain the subject resource, or are incapable of serving the requirements of the resource and therefore no longer warrant consideration as a component necessary for protection of the resource.</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	STIPULATIONS
<p>UT-GEO-S-04</p>	<p>CONTROLLED SURFACE USE – RIPARIAN HABITAT BUFFER Controlled Surface Use (CSU) will be applied within 500 feet of riparian-wetland vegetation to protect the values and functions of these areas. An engineering plan or a study may be required by the operator that identifies the extent of the resource or how the resource will be managed or protected. To protect the values and functions of riparian and wetland areas based on the nature, extent, and value of the area potentially affected. Exception: The Authorized Officer may grant an exception if an environmental review determines that the action, as proposed or otherwise restricted, does not affect the resource. An exception may also be granted if the proponent, BLM, and other affected interests negotiate mitigation that would satisfactorily offset the anticipated negative impacts. An exception may be granted for actions designed to enhance the long-term utility or availability of the riparian habitat. Modification: The Authorized Officer may modify the size and shape of the restricted area if an environmental analysis indicates the actual suitability of the land for the resource differs from that in the otherwise applicable restriction. Waiver: The restriction may be waived if it is determined that the described lands do not contain the subject resource, or are incapable of serving the requirements of the resource and therefore no longer warrant consideration as a component necessary for protection of the resource.</p>
<p>UT-GEO-S-08</p>	<p>NO SURFACE OCCUPANCY– WATER BODIES, WETLANDS, AND/OR 100-YEAR FLOODPLAINS No Surface Occupancy (NSO) on water bodies, wetlands and/or 100-year floodplains. Exception: The Authorized Officer may grant an exception if an environmental review determines that the action, as proposed or otherwise restricted, does not affect the resource. An exception may also be granted if the proponent, BLM, and other affected interests negotiate mitigation that would satisfactorily offset the anticipated negative impacts. An exception may be granted for actions designed to enhance the long-term utility or availability of the water bodies, wetlands, and/or 100-year floodplains resource. Modification: The Authorized Officer may modify the size and shape of the restricted area if an environmental analysis indicates the actual suitability of the land for the resource differs from that in the otherwise applicable restriction. Waiver: The restriction may be waived if it is determined that the described lands do not contain the subject resource, or are incapable of serving the requirements of the resource and therefore no longer warrant consideration as a component necessary for protection of the resource.</p>
<p>UT-S-02</p>	<p>NO SURFACE OCCUPANCY – PAVANT BUTTE ACEC All of the land in the designated area is included in the Pavant Butte Area of Critical Environmental Concern due to the scientific educational values, its potential for peregrine falcon reintroduction and recreational potential.</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	STIPULATIONS
	<p>Therefore, no occupancy or disturbance of the surface of the land described in this area is authorized. The lease holder however, may exploit the geothermal resources in the area by directional drilling from sites outside this area.</p> <p>Exceptions: None Modification: None Waiver: None</p>
UT-S-58	<p style="text-align: center;">NO SURFACE OCCUPANCY – SUNSTONE KNOLL ROCKHOUNDING AREA</p> <p>All of the land in the designated area is included in the Sunstone Knoll Rockhounding Area due to the site being a collection area for golden labradorite. Therefore, no occupancy or disturbance of the surface of the land described in this area is authorized. The lease holder however, may exploit the geothermal resources in the area by directional drilling from sites outside this area.</p> <p>Exceptions: None Modification: None Waiver: None</p>
UT-S-163	<p style="text-align: center;">CONTROLLED SURFACE USE – VRM CLASS II AREAS</p> <p>No access or work trail or road, earth cut or fill, structure or other improvement, other than an active drilling rig, will be permitted if it can be viewed from major highway systems. Critical viewpoints (roads) include: Interstate 15, Utah Highway 89 (Circleview Canyon), and Utah Highway 143, and are applied to foreground/middle ground visual zone of VRM Class II areas.</p> <p>Exception: None Modification: None Waiver: None</p>
UT-S-187	<p style="text-align: center;">TIMING LIMITATION – CLEAR LAKE WATERFOWL BUFFER STRIP</p> <p>In order to protect the Clear Lake Waterfowl Buffer Strip, exploration, drilling, and other development activity will not be allowed during the period from March 1 through May 30. This limitation does not apply to maintenance and operation of producing wells.</p> <p>Exception: None Modification: None Waiver: None</p>
UT-S-239	<p style="text-align: center;">TIMING LIMITATION – SEASONAL MULE DEER HABITAT</p> <p>In order to protect important seasonal mule deer habitat, exploration, drilling, and other development activity will be allowed only during the period from May 1 through December 30. This limitation does not apply to maintenance and operation of producing wells.</p> <p>Exception: Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the BLM. Modification: None Waiver: None</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	STIPULATIONS
UT-S-240	<p>TIMING LIMITATION – CRUCIAL DEER WINTER RANGE In order to protect the crucial Deer Winter Range, exploration, drilling, and other development activity will be allowed during the period from May 1 through December 30. This imitation does not apply to maintenance and operation of producing wells. Exception: (Cedar City only) Exceptions to this imitation in any year may be specifically authorized in writing by the authorized officer of the BLM. Modification: None Waiver: None</p>
UT-S-243	<p>TIMING LIMITATION – CRUCIAL ELK WINTER RANGE In order to protect the crucial Elk Winter Range, exploration, drilling, and other development activity will be allowed during the period from May 1 through December 30. This imitation does not apply to maintenance and operation of producing wells. Exception: Exceptions to this imitation in any year may be specifically authorized in writing by the authorized officer of the BLM. Modification: None Waiver: None</p>
UT-S-262	<p>TIMING LIMITATION – CRUCIAL RAPTOR NESTING AREA In order to protect the crucial Raptor Nesting Area, exploration, drilling, and other development activity will not be allowed during the period from March 1 through June 30. This stipulation does not apply to maintenance and operation of producing wells. Exception: Exceptions to this stipulation in any year may be specifically authorized in writing by the authorized officer of the BLM if it can be shown that the activity would not impact any active raptor nests. Modification: None Waiver: None</p>

NUMBER	NOTICES
UT-GEO-LN-03	<p>PALEONTOLOGICAL AND CULTURAL RESOURCES Before any specific permits are issued under leases, treatment of cultural resources will follow the procedures established by the Advisory Council on Historic Preservation for compliance with Section 106 of the National Historic Preservation Act. A pedestrian inventory will be undertaken of all portions that have not been previously surveyed or are identified by BLM as requiring inventory to identify properties that are eligible for the National Register of Historic Places (NRHP). Those sites not already evaluated for NRHP eligibility will be evaluated based on surface remains, subsurface testing, archival, and/or ethnographic sources. Subsurface testing will be kept to a minimum whenever possible if sufficient information is available to evaluate the site or if avoidance is an expected mitigation outcome. Recommendations regarding the eligibility of sites will be submitted to the BLM, and a treatment plan will be prepared to detail methods for avoidance of impacts or mitigation of effects. The BLM will make determinations of</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	NOTICES
	<p>eligibility and effect and consult with SHPO as necessary based on each proposed lease application and project plans. 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. Avoidance of impacts through project design will be given priority over data recovery as the preferred mitigation measure. Avoidance measures include moving project elements away from site locations or to areas of previous impacts, restricting travel to existing roads, and maintaining barriers and signs in areas of cultural sensitivity. Any data recovery will be preceded by approval of a detailed research design, Native American Consultation, and other requirements for BLM issuance of a permit under the Archaeological Resources Protection Act (BLM 2007a).</p> <p>If cultural resources are present at the site, or if areas with a high potential to contain cultural material have been identified, a cultural resources management plan (CRMP) will be developed. This plan will address mitigation activities to be taken for cultural resources found at the site. Avoidance of the area is always the preferred mitigation option. Other mitigation options include archaeological survey and excavation (as warranted) and monitoring. If an area exhibits a high potential, but no artifacts were observed during an archaeological survey, monitoring by a qualified archaeologist could be required during all excavation and earthmoving in the high- potential area. A report will be prepared documenting these activities. The CRMP also will (1) establish a monitoring program, (2) identify measures to prevent potential looting/vandalism or erosion impacts, and (3) address the education of workers and the public to make them aware of the consequences of unauthorized collection of artifacts and destruction of property on public land (BLM 2005).</p> <p>Operators will determine whether paleontological resources exist in a project area on the basis of the sedimentary context of the area, a records search for past paleontological finds in the area, and/or, depending on the extent of existing information, a paleontological survey.</p> <p>If paleontological resources are present at the site, or if areas with a high potential to contain paleontological material have been identified, a paleontological resources management plan will be developed. This plan will include a mitigation plan for avoidance, removal of fossils, or monitoring. If an area exhibits a high potential but no fossils were observed during survey, monitoring by a qualified paleontologist may be required during excavation and earthmoving in the sensitive area. The operator will submit a report to the agency documenting these activities. The paleontological resources management plan also will (1) establish a monitoring program, (2) identify measures to prevent potential looting/vandalism or erosion impacts, and (3) address the education of workers and the public to make them aware of the consequences of unauthorized collection of fossils on public land.</p>

BLM UTAH 2020 GEOTHERMAL STIPULATIONS AND NOTICES

NUMBER	NOTICES
UT-GEO-LN-04	<p style="text-align: center;">GEOTECHNICAL ANALYSIS</p> <p>The operator will perform a detailed geotechnical analysis prior to the construction of any structures; so they will be sited to avoid any hazards from subsidence or liquefaction (i.e., the changing of a saturated soil from a relatively stable solid state to a liquid during earthquakes or nearby blasting).</p>
UT-GEO-LN-05	<p style="text-align: center;">FOSSILS</p> <p>This area has low to moderate potential for vertebrate paleontological resources, unless noted to have higher potential in a separate stipulation. This area may contain vertebrate paleontological resources. Inventory and/or on-site monitoring during disturbance or spot checking may be required of the operator. In the event that previously undiscovered paleontological resources are discovered in the performance of any surface disturbing activities, the item(s) or condition(s) will be left intact and immediately brought to the attention of the authorized officer of the BLM. Operations within 250 feet of any such discovery will not be resumed until written authorization to proceed is issued by the Authorized Officer. The lessee will bear the cost of any required paleontological appraisals, surface collection of fossils, or salvage of any large conspicuous fossils of significant scientific interest discovered during the operations.</p>
UT-GEO-LN-06	<p style="text-align: center;">MIGRATORY BIRDS</p> <p>The Operator is responsible for compliance with provisions of the Migratory Bird Treaty Act by implementing measures to prevent take of migratory birds. Operators should be aware that any ground clearing or other disturbance (such as creating cross-country access to sites, drilling, and/or construction) during the migratory bird (including raptors) nesting season (March 1 -July 31) risks a violation of the Migratory Bird Treaty Act. Disturbance to nesting migratory birds should be avoided by conducting surface disturbing activities outside the migratory bird nesting season. If surface disturbing activities must be implemented during the nesting season, a preconstruction survey for nesting migratory birds should be performed by a qualified wildlife biologist, during the breeding season (if work is not completed within a specified time frame, then additional surveys may be needed). If active nests are found, an appropriately-sized no surface disturbance buffer determined in coordination with the BLM biologist should be placed on the active nest until the nesting attempt has been completed. If no active nests are found, construction activities must occur within the survey validity time frame specified in the conditions of approval.</p>
UT-GEO-LN-08	<p style="text-align: center;">MINING CLAIMS</p> <p>This parcel may contain existing mining claims and/or mill sites located under the 1872 Mining Law. To the extent it does, the geothermal lessee must conduct its operations, so far as reasonably practicable, to avoid damage to any known deposit of any mineral for which any mining claim on this parcel is located, and should not endanger or unreasonably or materially interfere with the mining claimant's operations, including any existing surface or underground improvements, workings, or facilities which may have been made for the purpose of mining operations. The provisions of the</p>

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	Multiple Mineral Development Act (30 U.S.C. 521 et seq.) shall apply on the leased lands.
UT-GEO-LN-09	<p style="text-align: center;">WATER RESOURCES</p> <p>In coordination with State regulatory agencies the operator will comply with all State and Federal surface and ground water rules and regulations for all phases of geothermal exploration, development, and reclamation. Operators will develop a storm water management plan for the site to ensure compliance with applicable regulations and prevent off- site migration of contaminated storm water or increased soil erosion. Operators will gain a clear understanding of the local hydrogeology. Areas of groundwater discharge and recharge and their potential relationships with surface water bodies will be identified. Operators will avoid creating hydrologic conduits between discrete aquifers during foundation excavation and other activities. Freshwater-bearing and other usable water aquifers will be protected from contamination by assuring all well casing (excluding the liner) is required to be cemented from the casing shoe to the surface. Periodic testing and monitoring via observation wells will be conducted in a manner to assure maximum protection of water resources from geothermal fluids or alterations in reservoir pressure.</p>
UT-LN-13	<p style="text-align: center;">PRONGHORN WINTER HABITAT</p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing crucial pronghorn winter habitat. Surface use or otherwise disruptive activity may be restricted for up to 60 days during pronghorn fawning season, as determined by BLM, including exploration, drilling and other development activities. Modifications may be required in the Surface Use Plan of Operations including seasonal timing restrictions to protect the species and its habitat.</p>
UT-LN-20	<p style="text-align: center;">ROCKY MOUNTAIN/DESERT BIGHORN SHEEP CRUCIAL LAMBING AND RUTTING HABITAT</p> <p>The Lessee/Operator is given notice that the lands in this parcel contains habitat for bighorn sheep. Modifications to the surface use plan may be required in order to protect habitat from surface disturbing activities. Surface use or otherwise disruptive activity may be restricted for up to 60 days during pronghorn fawning season, as determined by BLM. These modifications may include such measures as timing restrictions to avoid surface use during the crucial lambing and rutting seasons. Measure may also include avoidance of certain areas such as water sources and talus slopes.</p>
UT-LN-44	<p style="text-align: center;">RAPTORS</p> <p>Appropriate seasonal and spatial buffers shall be placed on all known raptor nests in accordance with Utah Field Office Guidelines for Raptor Protection from Human and Land use Disturbances (USFWS 2002) and Best Management Practices for Raptors and their Associated Habitats in Utah (BLM 2006). All construction related activities will not occur within these buffers if pre-construction monitoring indicates the nests are active, unless a site-specific evaluation for active nests is completed prior to construction and</p>

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	<p>if a BLM wildlife biologist, in consultation with USFWS and UDWR, recommends that activities may be permitted within the buffer. The BLM will coordinate with the USFWS and UDWR and have a recommendation within 3-5 days of notification. Any construction activities authorized within a protective (spatial and seasonal) buffer for raptors will require an on-site monitor. Any indication that activities are adversely affecting the raptor and/or its' young the on-site monitor will suspend activities and contact the BLM Authorized Officer immediately. Construction may occur within the buffers of inactive nests. Construction activities may commence once monitoring of the active nest site determines that fledglings have left the nest and are no longer dependent on the nest site. Modifications to the Surface Use Plan of Operations may be required in accordance with section 6 of the lease terms and 43CFR3101.1-2.</p>
UT-LN-45	<p style="text-align: center;">MIGRATORY BIRD</p> <p>The lessee/operator is given notice that surveys for nesting migratory birds may be required during migratory bird breeding season whenever surface disturbances and/or occupancy is proposed in association with fluid mineral exploration and development within priority habitats. Surveys should focus on identified priority bird species in Utah. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management. Based on the result of the field survey, the authorized officer will determine appropriate buffers and timing limitations.</p>
UT-LN-46	<p style="text-align: center;">PYGMY RABBIT</p> <p>The lessee/operator is given notice that this lease has been identified as containing pygmy rabbit habitat. No surface use or otherwise disruptive activity allowed which would result in an aboveground facility or semi-permanent (e.g., roads, pipelines, reservoirs, etc.) within 300 feet of pygmy rabbit habitat. Modifications to the Surface Use Plan of Operations may be required in accordance with section 6 of the lease terms and 43CFR3101.1-2.</p>
UT-LN-49	<p style="text-align: center;">UTAH SENSITIVE SPECIES</p> <p>The lessee/operator is given notice that no surface use or otherwise disruptive activity would be allowed that would result in direct disturbance to populations or individual special status plant and animal species, including those listed on the BLM sensitive species list and the Utah sensitive species list. The lessee/operator is also given notice that lands in this parcel have been identified as containing potential habitat for species on the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect these resources from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, Migratory Bird Treaty Act and 43 CFR 3101.1-2.</p>
UT-LN-51	<p style="text-align: center;">SPECIAL STATUS PLANTS: NOT FEDERALLY LISTED</p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing special status plants, not federally listed, and their habitats. Modifications to the Surface Use Plan of Operations may be required in order to protect the special status plants and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms,</p>

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	Endangered Species Act, and 43 CFR 3101.1-2.
UT-LN-52	<p style="text-align: center;">NOXIOUS WEEDS</p> <p>The lessee/operator is given notice that lands in this lease have been identified as containing or is near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.</p>
UT-LN-53	<p style="text-align: center;">RIPARIAN AREAS</p> <p>The lessee/operator is given notice that this lease has been identified as containing riparian areas. No surface use or otherwise disruptive activity allowed within 100 meters of riparian areas unless it can be shown that (1) there is no practicable alternative; (2) that all long-term impacts are fully mitigated; or (3) that the construction is an enhancement to the riparian areas. Modifications to the Surface Use Plan of Operations may be required in accordance with section 6 of the lease terms and 43CFR3101.1-2.</p>
UT-LN-54	<p style="text-align: center;">FLOODPLAINS</p> <p>The lessee/operator is given notice that lands in this lease could contain a floodplain and may require surveys to avoid adverse impact to the floodplain (520 DM 1). Developments should be located outside of the floodplain. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management.</p>
UT-LN-55	<p style="text-align: center;">WATER AND WATERSHED PROTECTION</p> <p>The lessee/operator is given notice that this lease may need modifications to the Surface Use Plan of Operations in order to prevent water pollution and protect municipal and non-municipal watershed areas. No surface use or otherwise disruptive activity allowed within 500 feet of live water or the reservoirs located in the Beaver, Milford and Sevier River drainages, Parowan and Cedar Valley drainages, or Pinto Creek/Newcastle Reservoir drainage in order to prevent water quality degradation in accordance with section 6 of the lease terms and 43CFR3101.1-2.</p>
UT-LN-57	<p style="text-align: center;">PUBLIC WATER RESERVE</p> <p>The lessee/operator is given notice that lands in this lease have been identified as a designated Public Water Reserve. Surface occupancy or use is subject to the Public Water Reserve Executive Order No. 107. Modification to the Surface Use Plan of Operations may be required for the protection of the reserve up to and including no surface occupancy or use. Protection of a designated public water reserve as discussed in Public Water Reserve Executive Order No. 107. This limitation does not apply to operations and maintenance of producing wells.</p>
UT-LN-59	<p style="text-align: center;">ERODIBLE SOILS AND STEEP SLOPES</p> <p>The lessee/operator is given notice that the area is a municipal or non-municipal watershed and has steep slopes and erosive soils. New roads will be constructed to avoid soils that are highly erosive and / or in critical or severe erosion conditions. New roads will be constructed with water bars. Riprap may be required. Road grades in excess of 8 percent will normally not be allowed. In special circumstances, where a road grade of more than 10 percent is allowed, its maximum length will be 1,000 feet. Access grading</p>

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	<p>along with exploration, drilling, construction, or other activities will be prohibited during wet or muddy conditions (usually during spring runoff and summer monsoon rains).</p> <p>Based on the result of the field survey, the authorized officer will determine appropriate buffers and timing limitations. Modifications to the Surface Use Plan of Operations may be required.</p>
UT-LN-60	<p style="text-align: center;">STEEP SLOPES</p> <p>The lessee/operator is given notice that this lease has been identified as containing steep slopes. No surface use or otherwise disruptive activity allowed on slopes in excess of 30 percent without written permission from the Authorized Officer. Modifications to the Surface Use Plan of Operations may be required.</p>
UT-LN-71	<p style="text-align: center;">PALEONTOLOGICAL</p> <p>The lessee/operator is given notice that this lease has been identified as containing paleontological resources. Surveys will be required whenever surface disturbances and/or occupancy is proposed in association with fluid mineral exploration and development within geological strata that may contain important paleontological resources. Field surveys will be conducted as determined by the authorized officer of the Bureau of Land Management. Exploration, drilling and other development activities may be restricted based on the result of the field survey; the authorized officer will determine appropriate mitigations. Modifications to the Surface Use Plan of Operations may be required.</p>
UT-LN-96	<p style="text-align: center;">AIR QUALITY MITIGATION MEASURES</p> <p>The lessee is given notice that the Bureau of Land Management (BLM) in coordination with the U.S. Environmental Protection Agency and the Utah Department of Air Quality, among others, has developed the following air quality mitigation measures that may be applied to any development proposed on this lease. Integration of and adherence to these measures may help minimize adverse local or regional air quality impacts from geothermal development (including but not limited to construction, drilling, and production) on regional ozone formation.</p> <ul style="list-style-type: none"> • All internal combustion equipment would be kept in good working order. • Water or other approved dust suppressants would be used at construction sites and along roads, as determined appropriate by the Authorized Officer. • Open burning of garbage or refuse would not occur at well sites or other facilities. • Drill rigs would be equipped with Tier II or better diesel engines. • Vent emissions from stock tanks and natural gas TEG dehydrators would be controlled by routing the emissions to a flare or similar control device which would reduce emissions by 95% or greater. • Low bleed or no bleed pneumatics would be installed on separator dump valves and other controllers.

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	<ul style="list-style-type: none"> • During completion, flaring would be limited as much as possible. Production equipment and gathering lines would be installed as soon as possible. • Well site telemetry would be utilized as feasible for production operations. • Stationary internal combustion engine would comply with the following standards: 2g NO_x/bhp-hr for engines <300HP; and 1g NO_x/bhp-hr for engines >300HP. <p>Additional site-specific measures may also be employed to avoid or minimize effects to local or regional air quality. These additional measures will be developed and implemented in coordination with the U.S. Environmental Protection Agency, the Utah Department of Air Quality, and other agencies with expertise or jurisdiction as appropriate based on the size of the project and magnitude of emissions.</p>
UT-LN-99	<p style="text-align: center;">Regional Ozone Formation Controls</p> <p>To mitigate any potential impact geothermal development emissions may have on regional ozone formation, the following Best Management Practices (BMPs) would be required for any development projects:</p> <ul style="list-style-type: none"> • Tier II or better drilling rig engines • Stationary internal combustion engine standard of 2g NO_x/bhp-hr for engines <300HP and 1g NO_x/bhp-hr for engines >300HP • Low bleed or no bleed pneumatic pump valves • Dehydrator VOC emission controls to +95% efficiency • Tank VOC emission controls to +95% efficiency
UT-LN-101	<p style="text-align: center;">AIR QUALITY</p> <p>All new and replacement internal combustion gas field engines of less than or equal to 300 design-rated horsepower must not emit more than 2 grams of NO_x per horsepower-hour. This requirement does not apply to gas field engines of less than or equal to 40 design-rated horsepower. AND All new and replacement internal combustion gas field engines of greater than 300 design rated horsepower must not emit more than 1.0 grams of NO_x per horsepower-hour. Modifications to the Surface Use Plan of Operations may be required in accordance with section 6 of the lease terms and 43CFR3101.1-2.</p>
UT-LN-102	<p style="text-align: center;">AIR QUALITY ANALYSIS</p> <p>The lessee/operator is given notice that prior to project-specific approval, additional air quality analyses may be required to comply with the National Environmental Policy Act, Federal Land Policy Management Act, and/or other applicable laws and regulations. Analyses may include dispersion modeling and/or photochemical modeling for deposition and visibility impacts analysis, control equipment determinations, and/or emission inventory development. These analyses may result in the imposition of additional project-specific air quality control measures.</p>
UT-LN-107	<p style="text-align: center;">BALD EAGLE</p> <p>The Lessee/Operator is given notice that the lands in this parcel contains</p>

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	<p>nesting/winter roost habitat for the bald eagle. The bald eagle was de-listed in 2007; however, it is still afforded protection under the Bald and Golden Eagle Protection Act (16 U.S.C. 668-668c, 1940). Therefore, avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on whether the action is temporary or permanent, and whether it occurs within or outside the bald eagle breeding or roosting season. A <u>temporary</u> action is completed prior to the following breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one breeding or roosting season and/or causes a loss of eagle habitat or displaces eagles through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease will not lead to the need to consider listing the eagle as threatened or endangered. Integration of, and adherence to the following measures will facilitate review and analysis of any submitted permits under the authority of this lease.</p> <p>Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> 1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s), and be conducted according to protocol. 2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated. 3. Water production will be managed to ensure maintenance or enhancement of riparian habitat. 4. Temporary activities within 1.0 mile of nest sites will not occur during the breeding season of January 1 to August 31, unless the area has been surveyed according to protocol and determined to be unoccupied. 5. Temporary activities within 0.5 miles of winter roost areas, e.g., cottonwood galleries, will not occur during the winter roost season of November 1 to March 31, unless the area has been surveyed according to protocol and determined to be unoccupied. 6. No permanent infrastructure will be placed within 1.0 mile of nest sites. 7. No permanent infrastructure will be placed within 0.5 miles of winter roost areas. 8. Remove big game carrion from within 100 feet of lease roadways occurring within bald eagle foraging range. 9. Avoid loss or disturbance to large cottonwood gallery riparian habitats. 10. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable habitat Utilize directional drilling to avoid direct impacts to large cottonwood gallery riparian habitats.

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	<p>Ensure that such directional drilling does not intercept or degrade alluvial aquifers.</p> <p>11. All areas of surface disturbance within riparian areas and/or adjacent uplands should be re-vegetated with native species.</p> <p>Additional measures may also be employed to avoid or minimize effects to the species between the lease sale stage and lease development stage. These additional measures will be developed and implemented in coordination with the U.S. Fish and Wildlife Service.</p>
UT-LN-147	<p style="text-align: center;">KIT FOX HABITAT</p> <p>The lessee/operator is given notice that no surface disturbances would be allowed within 660 feet (200 meters) of an occupied natal kit fox den.</p>
UT-LN-156	<p style="text-align: center;">POLLINATORS AND POLLINATOR HABITAT</p> <p>In order to protect pollinators and pollinator habitat, in accordance with BLM policy outlined in Instruction Memorandum No. 2016-013, Managing for Pollinators on Public Lands, and Pollinator-Friendly Best Management Practices for Federal Lands (2015), the following avoidance, minimization, and mitigation measures would apply to this parcel:</p> <ol style="list-style-type: none"> 1. Give a preference for placing well pads in previously disturbed areas, dry areas that do not support forbs, or areas dominated by nonnative grasses. 2. Utilize existing well pads where feasible. 3. Avoid disturbance to native milkweed patches within Monarch migration routes to protect Monarch butterfly habitat. 4. Avoid disturbance of riparian and meadow sites, as well as small depressed areas that may function as water catchments and host nectar-producing species, to protect Monarch butterfly habitat and nectaring sites. 5. Minimize the use of pesticides that negatively impact pollinators. 6. During revegetation treatments: <ol style="list-style-type: none"> a. Use minimum till drills where feasible. b. Include pollinator-friendly site-appropriate native plant seeds or seedlings in seed mixes. c. Where possible, increase the cover and diversity of essential habitat components for native pollinators by: <ul style="list-style-type: none"> ▪ Using site-appropriate milkweed seeds or seedlings within Monarch migration routes through priority sage-grouse habitat. ▪ Using seed mixes with annual and short-lived perennial native forbs that will bloom the first year and provide forage for pollinators. ▪ Using seed mixes with a variety of native forb species to ensure different colored and shaped flowers to provide nectar and pollen throughout the growing season for a variety of pollinators. ▪ Seeding forbs in separate rows from grasses to avoid competition during establishment. ▪ Avoiding seeding non-native forbs and grasses that establish

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	early and out compete slower-growing natives.

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	UTAH PRAIRIE DOG
T&E-09	<p>The lessee/operator is given notice that lands in this lease may contain historic and/or occupied Utah prairie dog habitat, a threatened species under the Endangered Species Act. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs when prairie dogs are active or hibernating. A <u>temporary</u> action is completed prior to the following active season leaving no permanent structures and resulting in no permanent habitat loss. A <u>permanent</u> action continues for more than one activity/hibernation season and/or causes a loss of Utah prairie dog habitat or displaces prairie dogs through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage. Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> 1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s). 2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated. 3. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in prairie dog habitat. 4. Surface occupancy or other surface disturbing activity will be avoided within 0.5 mile of active prairie dog colonies. 5. Permanent surface disturbance or facilities will be avoided within 0.5 mile of potentially suitable, unoccupied prairie dog habitat, identified and mapped by Utah Division of Wildlife Resources since 1976. 6. The lessee/operator should consider if fencing infrastructure on well pad, e.g., drill pads, tank batteries, and compressors, would be needed to protect equipment from burrowing activities. In addition, the operator should consider if future surface disturbing activities would be required at the site. 7. Within occupied habitat, set a 25 mph speed limit on operator-created and maintained roads. 8. Limit disturbances to and within suitable habitat by staying on designated routes.

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	<p>9. Limit new access routes created by the project.</p> <p>Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p>
T&E-26	<p style="text-align: center;">SOUTHWESTERN WILLOW FLYCATCHER HABITAT – RIPARIAN AREAS</p> <p>The lessee/operator is given notice that the lands in this parcel contains riparian habitat within the range for southwestern willow flycatcher. In order to protect southwestern willow flycatcher habitat and avoid negative impacts to the species, actions would be avoided or restricted that may cause stress and disturbance during nesting and rearing of their young. Appropriate measures would depend on whether the action is temporary or permanent, and whether it occurs within or outside the nesting season. A temporary action is completed prior to the following breeding season leaving no permanent structures and resulting in no permanent habitat loss. A permanent action continues for more than one breeding season and/or causes a loss of habitat or displaces flycatchers through disturbances, i.e., creation of a permanent structure. Current avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> 1. Surveys would be required prior to operations unless species occupancy and distribution information is complete and available. All surveys must be conducted by qualified individual(s) and be conducted according to protocol. 2. Activities would require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures would be evaluated and, if necessary, Section 7 consultation reinitiated. 3. Water production would be managed to ensure maintenance or enhancement of riparian habitat. 4. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in suitable riparian habitat. Ensure that such directional drilling does not intercept or degrade alluvial aquifers. 5. Activities would maintain a 330 feet buffer from suitable riparian habitat year long. 6. Activities within 0.25-mile of occupied breeding habitat would not occur during the breeding season of April 15 to August 15. 7. Noise emissions within 0.25-miles of suitable habitat for the southwestern willow flycatcher will not exceed baseline conditions during the breeding season of April 15 to August 15. 8. Ensure that water extraction or disposal practices do not result in change of hydrologic regime that would result in loss or degradation of riparian habitat. 9. Re-vegetate with native species all areas of surface disturbance within riparian areas and/or adjacent land.

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	<p>10. Avoid loss or disturbance of riparian habitats.</p> <p>Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the USFWS between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p>
T&E-27	<p style="text-align: center;">YELLOW-BILLED CUCKOO</p> <p>The lessee/operator is given notice that the lands in or adjacent to this parcel contain potentially suitable habitat that falls within the range for western yellow-billed cuckoo, a Federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs within or outside the breeding and nesting season. A temporary action is completed prior to the following breeding season, leaving no permanent structures and resulting in no permanent habitat loss. A permanent action could continue for more than one breeding season and/or cause a loss of habitat or displace western yellow-billed cuckoos through disturbances. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act (ESA). Integration of and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of ESA, Section 7 consultation at the permit stage. Avoidance and minimization measures include the following:</p> <ol style="list-style-type: none"> 1. Habitat suitability within the parcel and/or within a 0.5-mile buffer of the parcel will be identified prior to lease development to identify potential survey needs. Habitat suitability should be determined in accordance with <i>Guidelines for the identification of suitable habitat for WYBCU in Utah</i>. 2. Protocol Breeding Season Surveys will be required in suitable habitats prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by permitted individual(s), and be conducted according to protocol. 3. For all temporary actions that may impact cuckoo or suitable habitat: <ol style="list-style-type: none"> a. If action occurs entirely outside of the cuckoo breeding season (June 1 to August 31), and leaves no structure or habitat disturbance, action can proceed without a presence/absence survey. b. If action is proposed between June 1 to August 31, presence/absence surveys for cuckoo will be conducted prior to commencing activity. If cuckoo are detected, activity should be delayed until September 1. c. Eliminate access roads created by the project through such means as raking out scars, revegetation, gating access points, etc. 4. For all permanent actions that may impact cuckoo or suitable habitat: <ol style="list-style-type: none"> a. Protocol level surveys by permitted individuals will be conducted prior to commencing activities.

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	<ul style="list-style-type: none"> b. If cuckoos are detected, no activity will occur within 0.25-mile of occupied habitat. c. Avoid drilling and permanent structures within 0.25-mile of suitable habitat unless absence is determined according to protocol level survey conducted by permitted individual(s). d. Ensure noise levels at 0.25-mile from suitable habitat do not exceed baseline conditions. Placement of permanent noise-generating facilities should be determined by a noise analysis to ensure noise does not encroach upon the 0.25-mile buffer for suitable habitat. <ol style="list-style-type: none"> 5. Temporary or permanent actions will require monitoring throughout the duration of the project to ensure that western yellow-billed cuckoo or its habitat is not affected in a manner or to an extent not previously considered. Avoidance and minimization measures will be evaluated throughout the duration of the project. 6. Water produced as by-product of drilling or pumping will be managed to ensure maintenance or enhancement of riparian habitat. 7. Where technically or economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling is suitable habitat. Ensure that such directional drilling does not intercept or degrade alluvial aquifers. 8. Ensure that water extraction or disposal practices do not result in a change of hydrologic regime that would result in loss or degradation of riparian habitat 9. Re-vegetate with native species all areas of surface disturbance within riparian areas and/or adjacent uplands. <p>Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.</p>

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FIELD OFFICE	PARCEL NO.	TWN	N/S	RNG	E/W	DESCRIPTION	TOTAL ACRES	REASON
Fillmore	UT0320-003	19	S	6	W	Sec. 6: Lots 3-7, SENW, E2SW; Sec. 7: Lots 1-4, E2NW, E2SW.	721.75	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-010	18	S	7	W	Sec. 31: Lots 4, E2SW, SE; Sec. 33: NE, S2; Sec. 34: All; Sec. 35: S2.	1,719.97	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-011	19	S	7	W	Secs. 1, 3, 10 and 11: All; Sec. 12: N2, N2SW, SWSW, N2SESW, N2SE, N2SWSE, N2SESE; Sec. 13: W2NW, SW, SWNWSE, SWSE; Secs. 14 and 15: All.	4,708.64	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-012	19	S	7	W	Sec. 4: Lots 3, 4, S2NW, SW; Secs. 5, 6 and 8: All; Sec. 9: W2; Secs. 17, 19 and 20: All; Sec. 21: NW, Sec. 29: W2NW, SENW, SW, NWSE; Secs. 30 and 31: All; Sec. 32: W2NE, W2SE.	4,799.95	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-013	19	S	7	W	Sec. 22: N2, E2SW, SE; Sec. 23: All; Sec. 24: N2, SW, NWNESE, NWSE, W2SWSE; Sec. 25: N2NW, SWNW, NWSSENW, NWNWSW; Sec. 26: N2, NESW, NWSE; Sec. 27: N2NE, NENW.	2,410.00	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-014	20	S	7	W	Sec. 10: E2SW, SE; Sec. 11: NWNE, W2SWNE, E2NW, E2SW, W2NWSE, NWSWSE; Sec. 14: NWNENW; Sec. 15: N2SWNE, SWSWNE, N2SENE, W2NW, SENW, NWNWSW.	680.00	Deferred due to Conflicts with the Warm Springs RMP.

BLM UTAH 2020 GEOTHERMAL DEFERRED LANDS LIST

FIELD OFFICE	PARCEL NO.	TWN	N/S	RNG	E/W	DESCRIPTION	TOTAL ACRES	REASON
Fillmore	UT0320-015	20	S	7	W	Sec. 4: S2NW, SW; Sec. 5: Lots 2-4, S2NE, S2NW, S2; Sec. 6: All; Sec. 7: N2NE, NESWNE, SENE, N2NENW, SENENW, NENESE; Secs. 8 and 9: All; Sec. 17: NE, E2NW, E2W2NW, N2NESW, NESE, N2NWSE, SENWSE, NESESE.	3,324.19	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-025	19	S	8	W	Sec. 25: Lots 2-4, E2NESW, E2SESW, SWSE; Sec. 36: E2SW.	238.00	Deferred due to Conflicts with the Warm Springs RMP.
Fillmore	UT0320-026	20	S	8	W	Sec. 1: Lots 1-3, S2NE, NESENW, N2NESE, SENESE, NENWSE.	249.46	Deferred due to Conflicts with the Warm Springs RMP.
Cedar City	UT0320-032	30	S	11	W	Sec. 13: SESWNE, NESENE, S2SENE, S2NESW, S2SW, SE; Sec. 14: S2SESE; Sec. 22: S2SWSW, NESESW, S2SESW, S2NESE, SENWSE, S2SE; Sec. 25: S2; Sec. 26: S2; Secs. 17, 34 and 35: All.	3,040.00	Parcel includes Greater Sage-Grouse habitat and is being assessed for prioritization considerations.
Cedar City	UT0320-034	31	S	12	W	Sec. 3: Lots 1, 2, 6-11, SE.	513.55	Parcel includes Greater Sage-Grouse habitat and is being assessed for prioritization considerations.