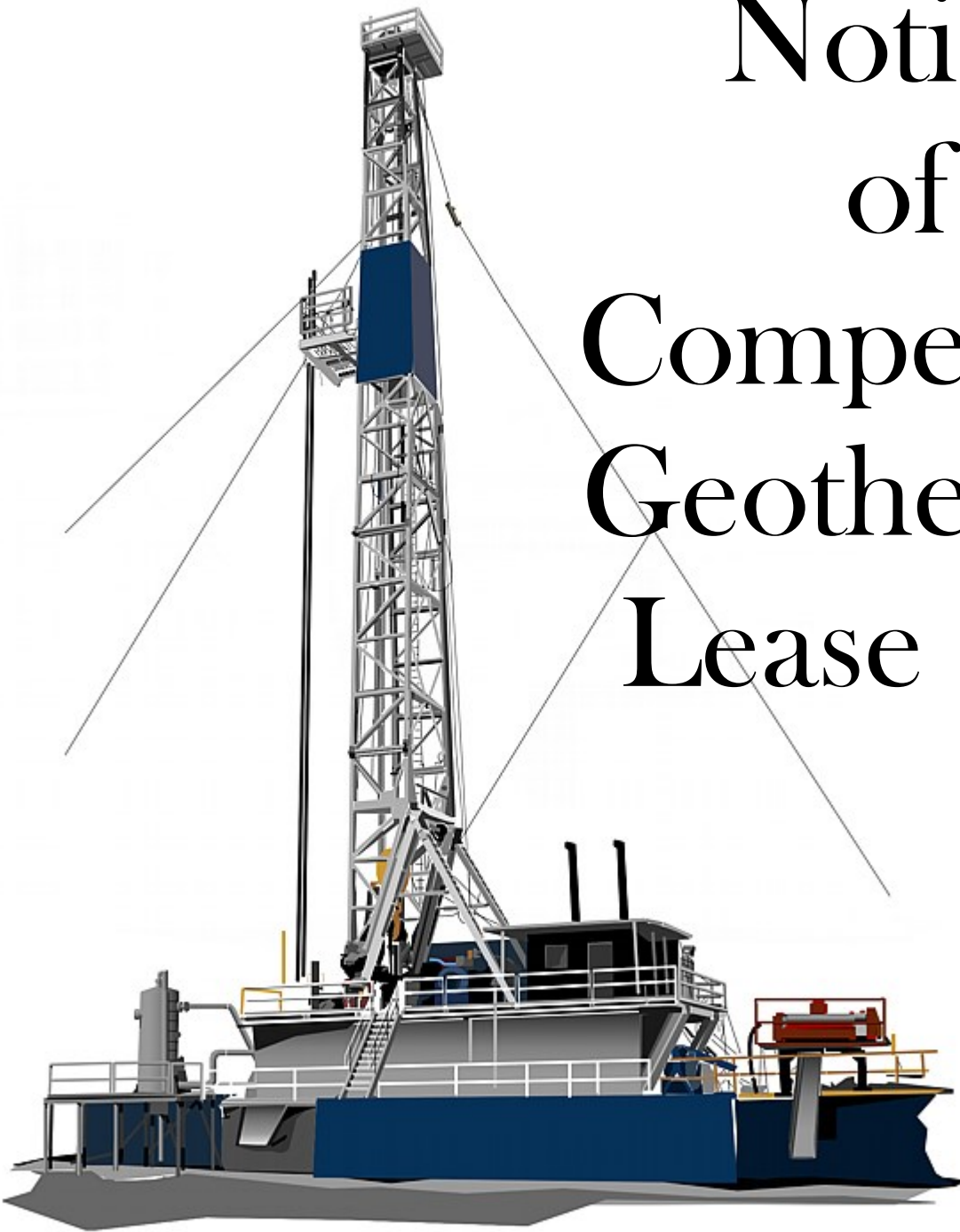


Notice of Competitive Geothermal Lease Sale



April 12, 2022



IDAHO

State of Utah

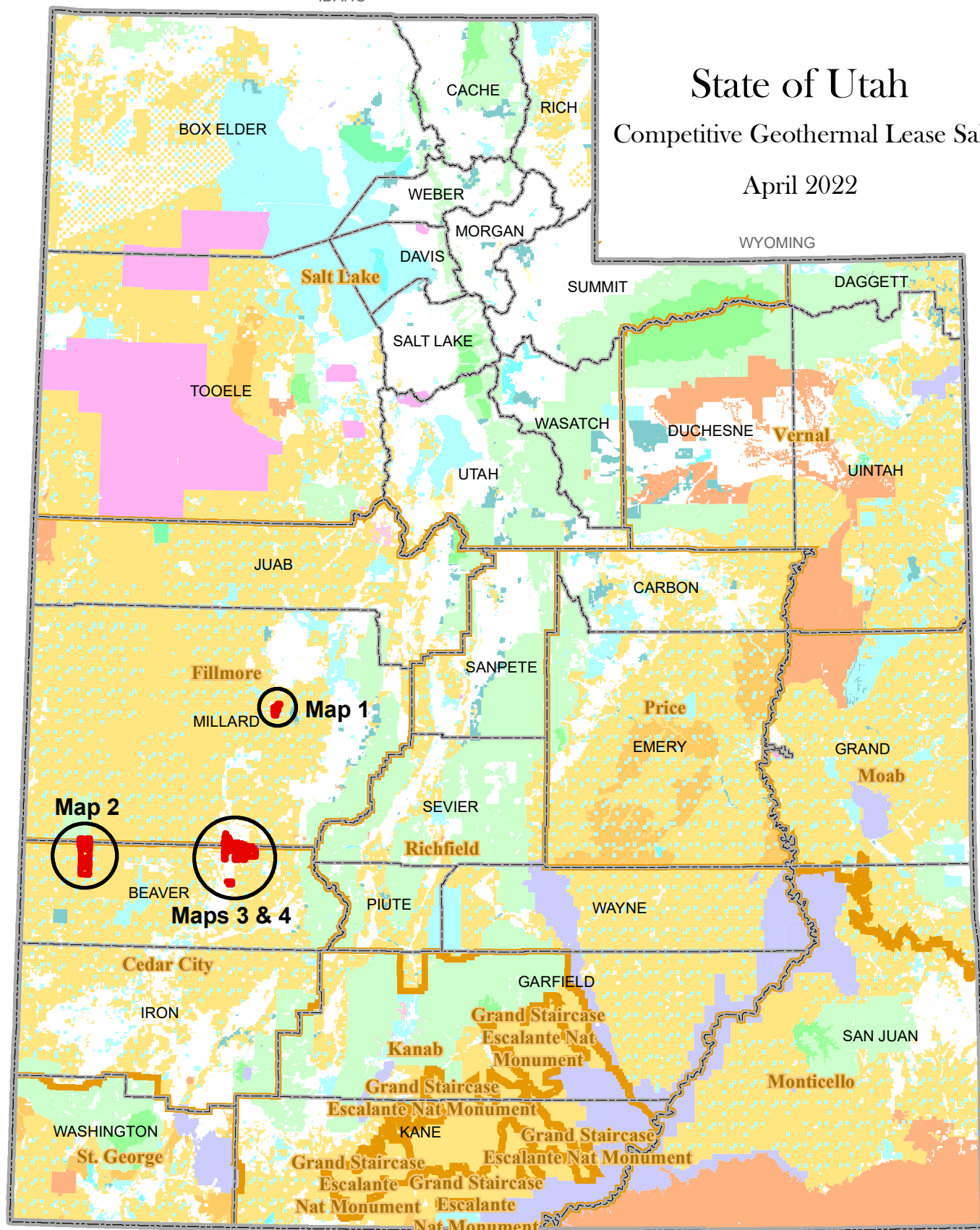
Competitive Geothermal Lease Sale

April 2022

WYOMING

COLORADO

NEVADA



- Map Number
- 2021 Geothermal Parcels
- Field Office Boundary
- County Boundary

- BLM Wilderness Area
- Bankhead-Jones Land Use Lands
- Bureau of Land Management (BLM)
- Other
- Indian Reservation (IR)
- Military Reservations and Corps of Engineers
- National Park Service (NPS)

ARIZONA

- Private
- State
- State Parks and Recreation
- State Wildlife Reserve/Management Area
- US Fish & Wildlife (USFW) National Wildlife Refuge
- US Forest Service (USFS)
- USFS Wilderness Area

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE



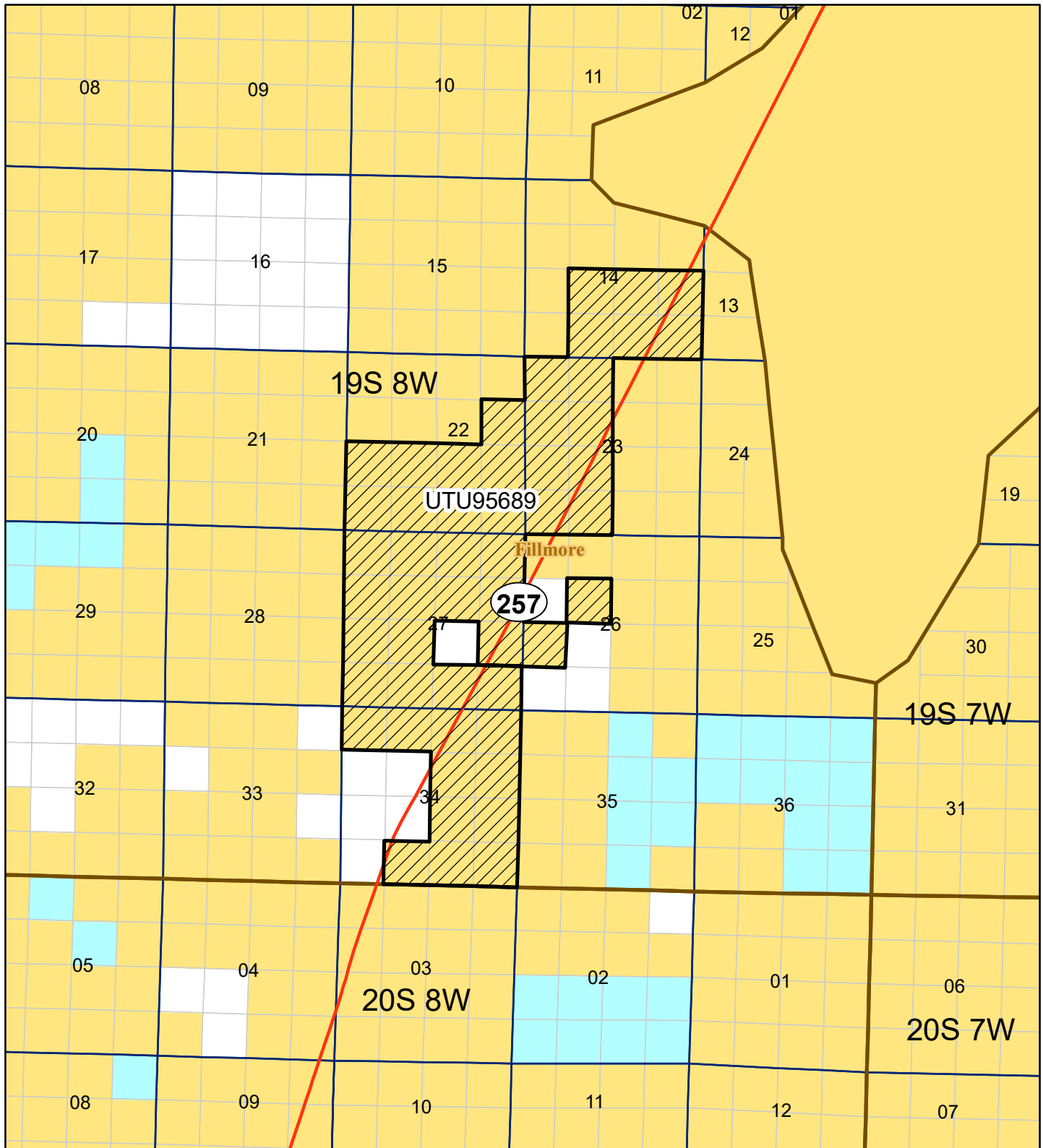
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
BLM Utah April 2022 Competitive Geothermal Lease Sale

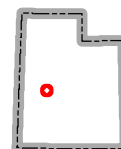
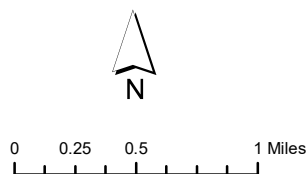
Millard County Proposed Sale Parcel

Map 1

February 24, 2022



- | | | | |
|---|----------------------|---|---------|
|  | October 2021 Parcels |  | NPS |
|  | BLM |  | Private |
|  | Indian Reservation |  | State |
|  | DOD |  | USFS |

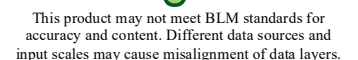


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February 24, 2022

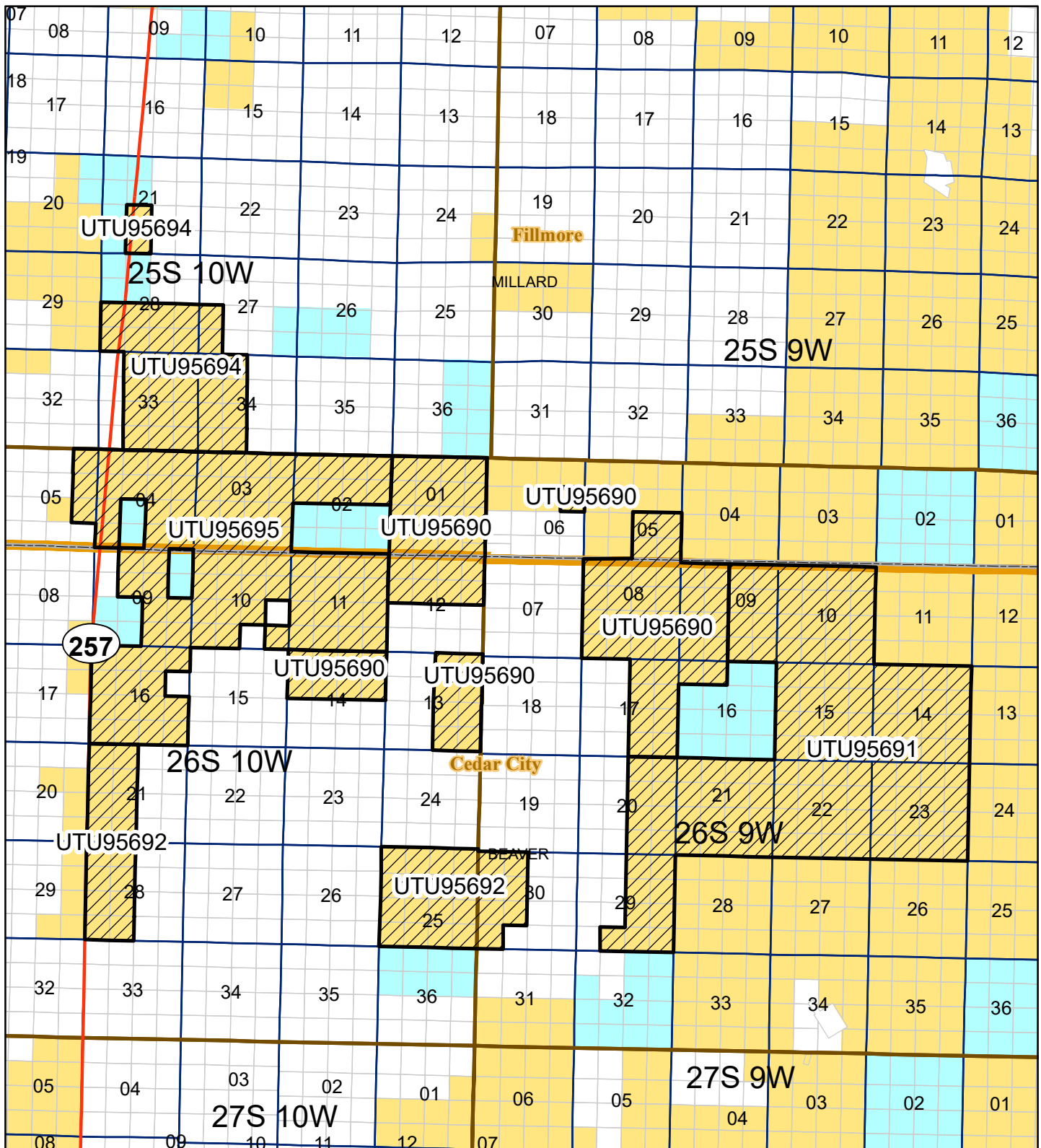










BLM Utah April 2022 Competitive Geothermal Lease Sale

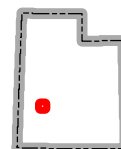
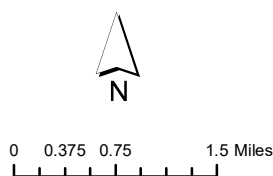
Map 3

Millard & Beaver Counties Proposed Sale Parcels

February 24, 2022



-  October 2021 Parcels
-  BLM
-  Indian Reservation
-  DOD
-  NPS
-  Private
-  State
-  USFS



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UTAH STATE OFFICE

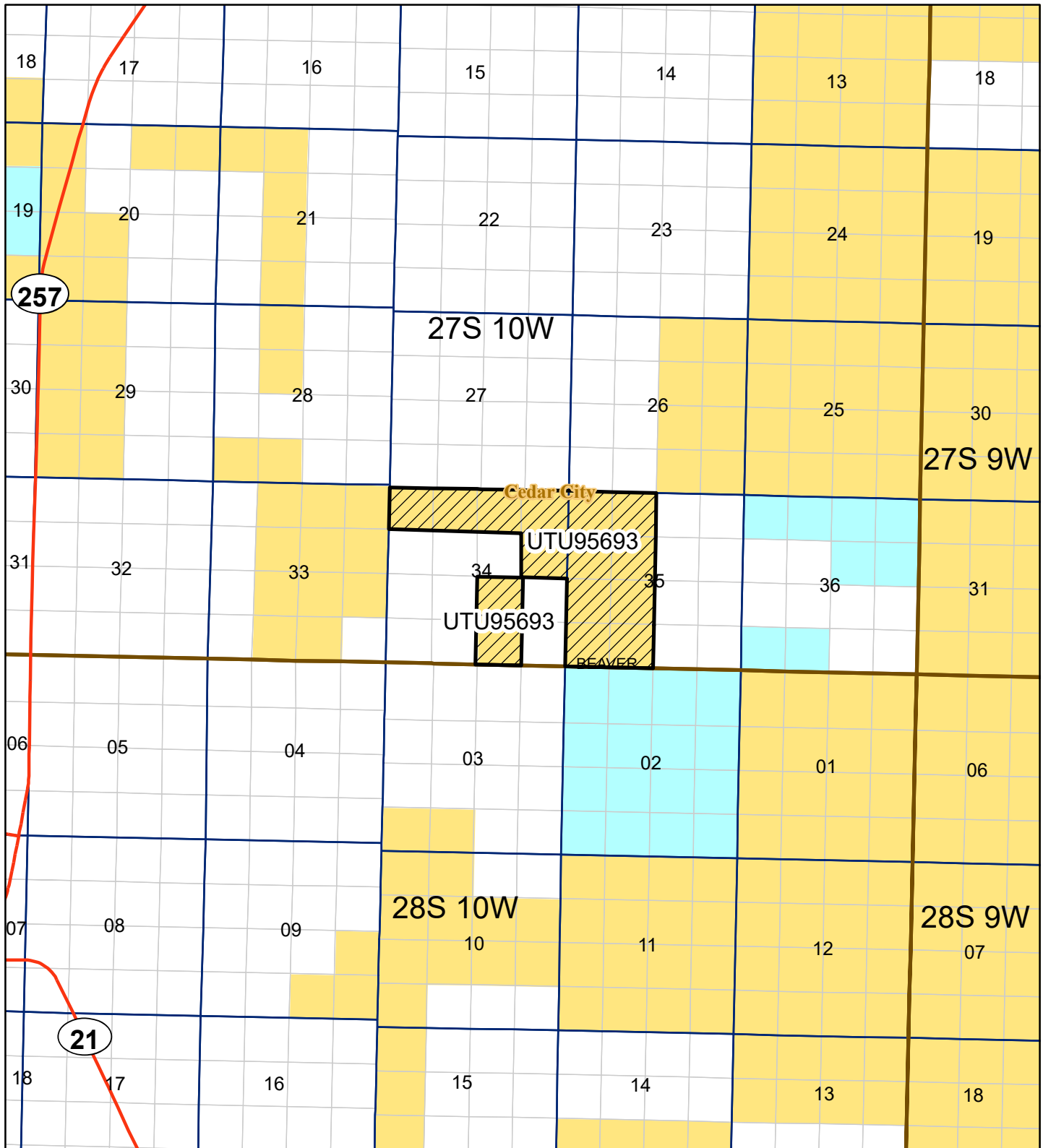






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
BLM Utah April 2022 Competitive Geothermal Lease Sale Beaver County Proposed Sale Parcel

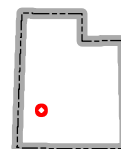
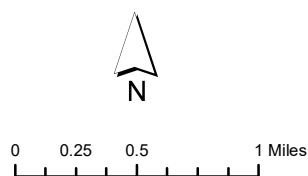
Map 4

February 24, 2022



-  October 2021 Parcels
-  BLM
-  Indian Reservation
-  DOD

-  NPS
-  Private
-  State
-  USFS



U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
UTAH STATE OFFICE



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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)

February 24, 2022

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 **11** parcels for internet-based competitive sale of certain Federal lands containing **32,527.05** 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, April 12, 2022**. The open bidding period will begin at **9:00 a.m. Mountain Daylight Time (MDT)/10:00 a.m. Central Daylight Time (CDT)** on Tuesday, April 12, 2022. 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, 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. A participant can register to bid at the auction website <https://www.energynet.com/> approximately 10 days after posting of this Notice on the BLM NFLSS website at <https://nflss/blm.gov>. Participants are encouraged to register early, to familiarize themselves with the bidding instructions and ensure they have ample time to complete all the required registration steps before the open bidding period commences.

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

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

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 make knowingly and willfully 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 geothermal lease auction conducted by any BLM office (the minimum monies owed the day of sale), or any monies owed EnergyNet for a previous 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 geothermal lease auction nationwide until the bidder settles that debt to the United States. 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 geothermal lease sale auction.

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 because 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:

- A block will be auctioned as one unit and all parcels within the block will receive the same high bid as the block. If the block receives no bids, the parcels will be offered individually;
- 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 <https://www.energynet.com>, is final.**

The minimum acceptable bid is \$2 per acre. If a parcel contains fractional acreage, round it up to the next whole acre. For example, a parcel of 100.51 acres requires a minimum bid of \$202 (\$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.

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 we are offering.

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 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 Utah State Office Information Access Center, the NFLSS website at <https://nflss/blm.gov/>, and on the auction website.

- Fractional mineral interests:** 43 CFR 3206.15 If the United States owns less than 100 percent of the geothermal 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 geothermal 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 **\$175.00**. These are monies you owe the United States, whether a lease is issued or not. **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, 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 April 27, 2022.** 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 the applicable BLM State Office a properly completed and signed competitive bid form (Form 3000-2) and proof of 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 you sign the form, you cannot change it. The online auction system will provide the successful winning bidder with a fillable pdf of this bid form and instructions on how to submit the form to the 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 receive 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 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 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, or 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 (public domain and acquired land combined) (43 CFR 3206.13).

For 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 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 additional time under 43 CFR 3206.13, to divest excess acreage acquired through merger or acquisition.

- **Lease Issuance:** After we receive the signed bid form and all monies due, we can issue the lease. The lease is effective the first day of the month following the month in which we sign it. (43 CFR 3206.18)
- **Lease terms:** Geothermal leases have a primary term of 10 years and subsequent extensions thereof in accordance with 43 CFR subpart 3207. **Advance rental at \$2.00 for the first year; \$3.00 for the second through tenth year; thereafter \$5.00 is due on or before the anniversary date each year until production begins. The Office of Natural Resources Revenue (ONRR) must receive annual rental payments by the anniversary date of the lease year, or your lease may be terminated.** Royalty rates for geothermal resources produced for the commercial generation of electricity but not sold in an arm's length transaction are 1.75 percent for the first 10 years of production and 3.5 percent after the first 10 years. The royalty rate is to be applied to the gross proceeds

derived from the sale of electricity in accordance with 30 CFR part 206 subpart H. 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 geothermal operators in the planning, lease sale, permitting/development, and operations/production phases of the geothermal program.
- **Stipulations:** Stipulations are part of the lease and supersede any inconsistent provisions of the lease form. They are requirements or restrictions on how you conduct operations. These stipulations are included in the parcel descriptions on the attached list.

All Federal geothermal lease rights are granted subject to applicable laws under Section 6 of the lease terms including 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 IM No. 2005-003, Cultural Resources and Tribal Consultation, for Fluid Minerals Leasing, each parcel in this sale will be subject to the Cultural Resource Protection Stipulation.

- **Unit and Communitization Agreements:** Parcels offered in this Notice may fall within an authorized Unit or Communitization Agreement. If the parcel falls within an authorized Unit or Communitization Agreement, the successful bidder may be required to join the agreement.

How do I file a noncompetitive geothermal offer after the sale?

Under regulations 43 CFR 3204, lands that do not receive a bid and are available a 2-year period, beginning the first business day after the auction. The noncompetitive offers are handled directly by the BLM and not through the internet leasing website. If you want to file a noncompetitive offer on an unsold parcel, you must file it in the appropriate State Office:

- Two 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 **\$450** 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.

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.

After the 30-day period, you may file a noncompetitive application for any available lands covered by a competitive lease sale, not to exceed 5,120 acres per lease.

Submit the aforementioned items to the BLM Utah State Office Information Access Center (Public Room) in person or by mail. We consider all offers filed the first business day following the last day of the auction, filed at the same time. If a parcel receives more than one offer, we will randomly select an application to determine the winner (43 CFR 1822.17). Offers filed after this time receive priority according to the date and time of filing in this office.

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 Angela Wadman, Fluid Minerals Branch Chief, at (801) 539-4052 or awadman@blm.gov.

Kent Hoffman
Deputy State Director
Division of Lands and Minerals

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
**COMPETITIVE OIL AND GAS OR
GEOTHERMAL RESOURCES LEASE BID**

Mineral Leasing Act of 1920 (30 U.S.C. 181 et seq.)
Mineral Leasing Act for Acquired Lands of 1947 (30 U.S.C. 351-359)
Geothermal Steam Act of 1970 (30 U.S.C. 1001-1025)

Department of the Interior Appropriations Act, Fiscal Year 1981 (42 U.S.C. 6508)

Geographic State

Date of Sale

THE BID IS FOR (<i>check one</i>):	AMOUNT OF TOTAL BID (<i>see instructions below</i>)	
<input type="checkbox"/> Oil and Gas Serial/Parcel No. _____		
<input type="checkbox"/> Geothermal Serial/Parcel No. _____		
<input type="checkbox"/> NPR-A Tract No. _____	AMOUNT OF TOTAL BID	PAYMENT SUBMITTED WITH BID
<input type="checkbox"/> Joint Bidders (<i>see instructions below</i>)		

The appropriate regulations applicable to this bid are: (1) for oil and gas leases—43 CFR 3120; (2) for National Petroleum Reserve-Alaska (NPR-A) leases—43 CFR 3132; and (3) for Geothermal resources leases—43 CFR 3203. (*See details concerning lease qualifications on next page.*)

I CERTIFY THAT I have read and am in compliance with; and not in violation of the lessee qualification requirements under the applicable regulations for this bid.

I CERTIFY THAT this bid is not in violation of 18 U.S.C. 1860, which prohibits unlawful combination or intimidation of bidders. I further certify that this bid was arrived at independently and is tendered without collusion with any other bidder for the purpose of restricting competition.

IMPORTANT NOTICE: Execution of this form, where the offer is the high bid, constitutes a binding lease offer, including all applicable terms and conditions. Failure to comply with the applicable laws and regulations under which this bid is made will result in rejection of the bid and forfeiture of all monies submitted.

Print or Type Name of Lessee

Signature of Lessee or Bidder

Address of Lessee

(City)

(State)

(Zip Code)

INSTRUCTIONS FOR OIL AND GAS OR GEOTHERMAL RESOURCES BID
(*Except NPR-A*)

1. Separate bid form for each lease/parcel or block is required. Identify by the serial/parcel number assigned in the *Notice of Competitive Lease Sale*.
2. Bid must be accompanied by the national minimum acceptable bid (oil and gas: \$2.00 per acre; geothermal: twenty percent of the total bid), the first year's rental (oil and gas: \$1.50 per acre; geothermal: \$2.00 per acre), and the administrative fee (see 43 CFR 3000.12). The remittance must be in the form specified: (1) for oil and gas leases in 43 CFR 3103.1-1; and (2) for geothermal resources leases in 43 CFR 3203.17. The remainder of the bonus bid, if any, must be submitted to the proper Bureau of Land Management (BLM) office within 10 working days for oil and gas, and 15 calendar days for geothermal, after the last day of the competitive auction. **Failure to submit the remainder of the bonus bid within the statutory (or regulatory) timeframe will result in rejection or revocation, as appropriate, of the bid offer and forfeiture of all monies paid.**
3. If the bidder is not the sole party in interest in the lease for which the bid is submitted, all other parties in interest may be required to furnish evidence of their qualifications upon written request by the BLM.
4. This bid may be executed (*signed*) before the competitive auction. If signed before the competitive auction, this form cannot be modified without being executed again. In view of this requirement, the bidder may wish to leave the AMOUNT OF TOTAL BID section blank so that final bid amount may be either completed by the bidder or the BLM at the close of the competitive auction.

**INSTRUCTIONS FOR OIL AND GAS:
NATIONAL PETROLEUM RESERVE--ALASKA (NPR-A)
SEALED BID**

1. Separate bid form for each tract is required.
2. AMOUNT OF TOTAL BID must be in whole dollar figure. Bid must be accompanied by one-fifth of the amount of the bid. The remittance must be in the form specified in 43 CFR 3132 for a NPR-A lease bid.
3. Mark the envelope "Sealed Bid for NPR-A Oil and Gas Lease Sale". Be sure correct tract number on which the bid is submitted and date of bid opening are noted plainly on envelope. Use standard size envelopes not to exceed 4-1/2" x 10-1/2". No bid may be modified or withdrawn unless such modification or withdrawal is received prior to time fixed for opening of bids.
4. Mail or deliver bid to the proper BLM office or place indicated in the *Notice of Competitive Lease Sale*.
5. There is no limit to the number of joint bidders that may participate. If joint bidders is marked above, attach on a separate sheet the name and address of the additional bidders, percent of interest of each bidder (total of all bidders must equal 100%), and signature for each joint bidder.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212 make it a crime for any person knowingly and willfully to make to any Department or agency of the United States any false, fictitious, or fraudulent statements or representations as to any matter within its jurisdiction.

QUALIFICATIONS

For leases that may be issued as a result of this sale under the Mineral Leasing Act (The Act) of 1920, as amended, the bidder must:

(1) Be a citizen of the United States; an association (*including partnerships and trusts*) of such citizens; a municipality; or a corporation organized under the laws of the United States or of any State or Territory thereof; (2) Be in compliance with the acreage limitation requirements wherein the bidder's interests, direct and indirect, in oil and gas leases in the State identified do not exceed 246,080 acres each in public domain or acquired lands including acreage covered by this bid, of which not more than 200,000 acres are under options. If this bid is submitted for lands in Alaska, the bidder's holdings in each of the Alaska leasing districts do not exceed 300,000 acres, of which no more than 200,000 acres are under options in each district; (3) Be in compliance with Federal coal lease holdings as provided in sec. 2(a)2(A) of the Act; (4) Be in compliance with reclamation requirements for all Federal oil and gas holdings as required by sec. 17 of the Act; (5) Not be in violation of sec. 41 of the Act; and (6) Certify that all parties in this bid are in compliance with 43 CFR Groups 3000 and 3100 and the leasing authority cited herein.

For leases that may be issued as a result of this sale under the Geothermal Steam Act of 1970, as amended, the bidder must: (1)

Be a citizen of the United States who is at least 18 years of age; an association of such citizens; a municipality; a corporation organized under the laws of the United States or of any State or Territory thereof; or a domestic governmental unit; and (2) Be in compliance with the acreage limitation requirements wherein the bidder's interests, direct and indirect, do not exceed 51,200 acres, and (3) Certify that all parties in this bid are in compliance with 43 CFR Group 3200 and the leasing authority cited herein.

For leases that may be issued as a result of this sale under the Department of the Interior Appropriations Act of 1981, the bidder must:

(1) Be a citizen or national of the United States; an alien lawfully admitted for permanent residence; a private, public or municipal corporation organized under the laws of the United States or of any State or Territory thereof; an association of such citizens, nationals, resident aliens or private, public or municipal corporations; and (2) Certify that all parties in interest in this bid are in compliance with 43 CFR Part 3130 and the leasing authority cited herein.

NOTICES

This form is exempt from the Paperwork Reduction Act of 1995 (P.L. 104-13) under 5 CFR 1320.3(h)(1).

BLM UTAH 2022 FINAL GEOTHERMAL LEASE SALE LIST

UTU 095689

UT-2022-04-1261

UT, Fillmore Field Office, BLM, PD

T. 0190 S., R. 0080 W., SALT LAKE MER

Sec. 14, E2SW, SE;

Sec. 22, SENE, S2;

Sec. 23, W2;

Sec. 26, SENW, NWSW;

Sec. 27, N2, SW, NESE, S2SE;

Sec. 34, E2, N2NW, SESW.

2,040 Acres

Millard County

Rental \$4,080.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

UT-GEO-S-07: BLM Stipulation CSU for Soil Severe Erosion

UT-S-FFO-58: BLM Stipulation NSO for Sunstone Knoll Rockhounding Area

UT-S-FFO-131: BLM Stipulation CSU for Critical Watershed (Perennial Streams and Springs)

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis

UT-GEO-LN-05: BLM Lease Notice for Fossils

UT-GEO-LN-06: BLM Lease Notice for Migratory Birds

UT-GEO-LN-07: BLM Lease Notice for Water

UT-GEO-LN-08: BLM Lease Notice for Mining Claims

UT-GEO-LN-09: BLM Lease Notice for Water Resources

UT-LN-44: BLM Lease Notice for Raptors

UT-LN-45: BLM Lease Notice for Migratory Bird

UT-LN-49: BLM Lease Notice for Utah Sensitive Species

UT-LN-51: BLM Lease Notice for Special Status Plants: Not Federally Listed

UT-LN-52: BLM Lease Notice for Noxious Weeds

UT-LN-53: BLM Lease Notice for Riparian Areas

UT-LN-54: BLM Lease Notice for Floodplains

UT-LN-59: BLM Lease Notice for Erodible Soils and Steep Slopes

UT-LN-60: BLM Lease Notice for Steep Slopes

UT-LN-64: BLM Lease Notice for National Historic Trails or Historic Properties

UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures

UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls

UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017586

UTU 095690

UT-2022-04-1340

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0090 W., SALT LAKE MER

Sec. 5, SE;

Sec. 6, SENE;

Sec. 8, ALL;

Sec. 9, W2;

Sec. 16, N2NW;

Sec. 17, E2.

T. 0260 S., R. 0100 W., SALT LAKE MER

Sec. 1, ALL;

Sec. 12, LOTS 1, 2;

Sec. 12, W2NE, NW;

Sec. 13, LOTS 1-4;

Sec. 13, W2NE, W2SE;

Sec. 14, N2.

3,136.13 Acres

Beaver County (2,409.16 ac.)

Millard County (726.97 ac.)

Rental \$6,274.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-07: BLM Stipulation CSU for Soil Severe Erosion

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-FFO-131: BLM Stipulation CSU for Critical Watershed (Perennial Streams and Springs)

UT-S-CCDO-FFO-240: BLM Stipulation TL for Crucial Deer Winter

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring
 UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources
 UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis
 UT-GEO-LN-05: BLM Lease Notice for Fossils
 UT-GEO-LN-06: BLM Lease Notice for Migratory Birds
 UT-GEO-LN-07: BLM Lease Notice for Water
 UT-GEO-LN-08: BLM Lease Notice for Mining Claims
 UT-GEO-LN-09: BLM Lease Notice for Water Resources
 UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat
 UT-LN-14: BLM Lease Notice for Pronghorn Fawning Habitat
 UT-LN-44: BLM Lease Notice for Raptors
 UT-LN-45: BLM Lease Notice for Migratory Bird
 UT-LN-47: BLM Lease Notice for Fisheries
 UT-LN-49: BLM Lease Notice for Utah Sensitive Species
 UT-LN-51: BLM Lease Notice for Special Status Plants: Not Federally Listed
 UT-LN-52: BLM Lease Notice for Noxious Weeds
 UT-LN-53: BLM Lease Notice for Riparian Areas
 UT-LN-54: BLM Lease Notice for Floodplains
 UT-LN-55: BLM Lease Notice for Water and Watershed Protection
 UT-LN-59: BLM Lease Notice for Erodible Soils and Steep Slopes
 UT-LN-60: BLM Lease Notice for Steep Slopes
 UT-LN-64: BLM Lease Notice for National Historic Trails or Historic Properties
 UT-LN-71: BLM Lease Notice for Paleontological
 UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures
 UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls
 UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017595

UTU 095691

UT-2022-04-7340

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0090 W., SALT LAKE MER

Sec. 9, E2;

Sec. 10, ALL;

Sec. 14, ALL;

Sec. 15, ALL;

Sec. 20, E2;

Sec. 21, ALL;
 Sec. 22, ALL;
 Sec. 23, ALL;
 Sec. 29, E2, SESW.

4,840 Acres

Beaver County

Rental \$9,680.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection
 HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act
 UT-GEO-S-01: BLM Stipulation NSO for National Register of Historic Places, Cultural Resources (Sites, Structures, Objects, and Traditional Use Areas)
 UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties
 UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat
 UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer
 UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains
 UT-S-CCDO-FFO-240: BLM Stipulation TL for Crucial Deer Winter
 UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring
 UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources
 UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis
 UT-GEO-LN-05: BLM Lease Notice for Fossils
 UT-GEO-LN-06: BLM Lease Notice for Migratory Birds
 UT-GEO-LN-07: BLM Lease Notice for Water
 UT-GEO-LN-08: BLM Lease Notice for Mining Claims
 UT-GEO-LN-09: BLM Lease Notice for Water Resources
 UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat
 UT-LN-14: BLM Lease Notice for Pronghorn Fawning Habitat
 UT-LN-20: BLM Lease Notice for Rocky Mountain/Desert Bighorn Sheep Crucial Lambing and Rutting Habitat
 UT-LN-44: BLM Lease Notice for Raptors
 UT-LN-45: BLM Lease Notice for Migratory Bird
 UT-LN-47: BLM Lease Notice for Fisheries
 UT-LN-49: BLM Lease Notice for Utah Sensitive Species
 UT-LN-51: BLM Lease Notice for Special Status Plants: Not Federally Listed
 UT-LN-52: BLM Lease Notice for Noxious Weeds
 UT-LN-53: BLM Lease Notice for Riparian Areas
 UT-LN-54: BLM Lease Notice for Floodplains
 UT-LN-55: BLM Lease Notice for Water and Watershed Protection
 UT-LN-59: BLM Lease Notice for Erodible Soils and Steep Slopes
 UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures

UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls
 UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017594

UTU 095692

UT-2022-04-1326

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0090 W., SALT LAKE MER

Sec. 30, LOTS 1-4;

Sec. 30, E2NW, NESW.

T. 0260 S., R. 0100 W., SALT LAKE MER

Sec. 21, W2;

Sec. 25, ALL;

Sec. 28, W2.

1,587.64 Acres

Beaver County

Rental \$3,176.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis

UT-GEO-LN-05: BLM Lease Notice for Fossils

UT-GEO-LN-06: BLM Lease Notice for Migratory Birds

UT-GEO-LN-07: BLM Lease Notice for Water

UT-GEO-LN-08: BLM Lease Notice for Mining Claims

UT-GEO-LN-09: BLM Lease Notice for Water Resources

UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat

UT-LN-14: BLM Lease Notice for Pronghorn Fawning Habitat
 UT-LN-44: BLM Lease Notice for Raptors
 UT-LN-45: BLM Lease Notice for Migratory Bird
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 UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017593

UTU 095693

UT-2022-04-1315

UT, Fillmore Field Office, BLM, PD

T. 0250 S., R. 0100 W., SALT LAKE MER

Sec. 21, E2SW;

Sec. 27, W2SW;

Sec. 28, S2;

Sec. 33, E2, E2NW, E2SW;

Sec. 34, W2.

1,280 Acres

Millard County

Rental \$2,560.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

UT-GEO-S-07: BLM Stipulation CSU for Soil Severe Erosion

UT-S-FFO-131: BLM Stipulation CSU for Critical Watershed (Perennial Streams and Springs)

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis
 UT-GEO-LN-05: BLM Lease Notice for Fossils
 UT-GEO-LN-06: BLM Lease Notice for Migratory Birds
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 UT-GEO-LN-08: BLM Lease Notice for Mining Claims
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 UT-LN-60: BLM Lease Notice for Steep Slopes
 UT-LN-64: BLM Lease Notice for National Historic Trails or Historic Properties
 UT-LN-71: BLM Lease Notice for Paleontological
 UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures
 UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls
 UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017591

UTU 095694

UT-2022-04-1354

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0100 W., SALT LAKE MER

Sec. 2, LOTS 1-4;

Sec. 2, S2NE, S2NW;

Sec. 3, ALL;

Sec. 4, LOTS 1-4;

Sec. 4, S2NE, S2NW, W2SW, SE;

Sec. 5, LOTS 1;

Sec. 5, SENE, NESE;

Sec. 9, W2NE, E2NW, SE;

Sec. 10, N2, SW, NWSE, SESE;

Sec. 11, ALL;

Sec. 16, N2NE, SWNE, W2, SE.

3,759.51 Acres

Millard County (1,509.73 ac.)

Beaver County (2,249.78 ac.)
 Rental \$7,520.00
 100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection
 HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act
 UT-GEO-S-01: BLM Stipulation NSO for National Register of Historic Places, Cultural Resources (Sites, Structures, Objects, and Traditional Use Areas)
 UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties
 UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat
 UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer
 UT-GEO-S-07: BLM Stipulation CSU for Soil Severe Erosion
 UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains
 UT-S-FFO-131: BLM Stipulation CSU for Critical Watershed (Perennial Streams and Springs)
 UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring
 UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources
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 UT-LN-102: BLM Lease Notice for Air Quality Analysis

UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017596

UTU 095695

UT-2022-04-1320

UT, Cedar City Field Office, BLM, PD
 T. 0270 S., R. 0100 W., SALT LAKE MER

Sec. 34, LOTS 1-4, 6;

Sec. 34, W2SE;

Sec. 35, W2.

602.07 Acres

Beaver County

Rental \$1,206.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

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UT-GEO-LN-08: BLM Lease Notice for Mining Claims

UT-GEO-LN-09: BLM Lease Notice for Water Resources

UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat

UT-LN-14: BLM Lease Notice for Pronghorn Fawning Habitat

UT-LN-44: BLM Lease Notice for Raptors

UT-LN-45: BLM Lease Notice for Migratory Bird

UT-LN-47: BLM Lease Notice for Fisheries

UT-LN-49: BLM Lease Notice for Utah Sensitive Species

UT-LN-51: BLM Lease Notice for Special Status Plants: Not Federally Listed

UT-LN-52: BLM Lease Notice for Noxious Weeds
 UT-LN-53: BLM Lease Notice for Riparian Areas
 UT-LN-54: BLM Lease Notice for Floodplains
 UT-LN-55: BLM Lease Notice for Water and Watershed Protection
 UT-LN-71: BLM Lease Notice for Paleontological
 UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures
 UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls
 UT-LN-101: BLM Lease Notice for Air Quality
 UT-LN-102: BLM Lease Notice for Air Quality Analysis
 UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017592

UTU 095696

UT-2022-04-7323

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0170 W., SALT LAKE MER

Sec. 1, ALL;

Sec. 3, ALL;

Sec. 10, ALL;

Sec. 11, ALL;

Sec. 12, ALL;

Sec. 13, ALL;

Sec. 14, N2, N2SW, N2SE;

Sec. 15, NE, E2NW, NESW, N2SE.

5,081.52 Acres

Beaver County (3,857.95 ac.)

Millard County (1,223.57 ac.)

Rental \$10,164.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-07: BLM Stipulation CSU for Soil Severe Erosion

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-FFO-131: BLM Stipulation CSU for Critical Watershed (Perennial Streams and Springs)

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring
 UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources
 UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis
 UT-GEO-LN-05: BLM Lease Notice for Fossils
 UT-GEO-LN-06: BLM Lease Notice for Migratory Birds
 UT-GEO-LN-07: BLM Lease Notice for Water
 UT-GEO-LN-08: BLM Lease Notice for Mining Claims
 UT-GEO-LN-09: BLM Lease Notice for Water Resources
 UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat
 UT-LN-14: BLM Lease Notice for Pronghorn Fawning Habitat
 UT-LN-44: BLM Lease Notice for Raptors
 UT-LN-45: BLM Lease Notice for Migratory Bird
 UT-LN-47: BLM Lease Notice for Fisheries
 UT-LN-49: BLM Lease Notice for Utah Sensitive Species
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 UT-LN-53: BLM Lease Notice for Riparian Areas
 UT-LN-54: BLM Lease Notice for Floodplains
 UT-LN-55: BLM Lease Notice for Water and Watershed Protection
 UT-LN-59: BLM Lease Notice for Erodible Soils and Steep Slopes
 UT-LN-60: BLM Lease Notice for Steep Slopes
 UT-LN-64: BLM Lease Notice for National Historic Trails or Historic Properties
 UT-LN-71: BLM Lease Notice for Paleontological
 UT-LN-96: BLM Lease Notice for Air Quality Mitigation Measures
 UT-LN-99: BLM Lease Notice for Regional Ozone Formation Controls
 UT-LN-101: BLM Lease Notice for Air Quality
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 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017587

UTU 095697

UT-2022-04-7327

UT, Cedar City Field Office, BLM, PD

T. 0260 S., R. 0170 W., SALT LAKE MER

Sec. 14, S2SW, S2SE;

Sec. 15, SESW, S2SE;

Sec. 22, E2;

Sec. 23, ALL;

Sec. 24, ALL;
 Sec. 25, ALL;
 Sec. 26, ALL;
 Sec. 27, E2;
 Sec. 34, E2;
 Sec. 35, ALL.

4,440 Acres

Beaver County

Rental \$8,880.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis

UT-GEO-LN-05: BLM Lease Notice for Fossils

UT-GEO-LN-06: BLM Lease Notice for Migratory Birds

UT-GEO-LN-07: BLM Lease Notice for Water

UT-GEO-LN-08: BLM Lease Notice for Mining Claims

UT-GEO-LN-09: BLM Lease Notice for Water Resources

UT-LN-13: BLM Lease Notice for Pronghorn Winter Habitat

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 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017588

UTU 095698

UT-2022-04-1303

UT, Cedar City Field Office, BLM, PD
 T. 0270 S., R. 0170 W., SALT LAKE MER

Sec. 1, ALL;
 Sec. 3, LOTS 1, 2;
 Sec. 3, S2NE, SE;
 Sec. 10, E2;
 Sec. 11, ALL;
 Sec. 12, ALL.

2,560.18 Acres

Beaver County

Rental \$5,122.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection
 HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act
 UT-GEO-S-01: BLM Stipulation NSO for National Register of Historic Places, Cultural Resources (Sites, Structures, Objects, and Traditional Use Areas)
 UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties
 UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat
 UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer
 UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains
 UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring
 UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources
 UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis
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 UT-LN-107: BLM Lease Notice for Bald Eagle
 UT-LN-128: BLM Lease Notice for Floodplain Management
 UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat
 UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat
 EOI #UT00017589

UTU 095699

UT-2022-04-1309

UT, Cedar City Field Office, BLM, PD

T. 0270 S., R. 0170 W., SALT LAKE MER

Sec. 13, ALL;

Sec. 14, ALL;

Sec. 15, E2;

Sec. 22, E2;

Sec. 23, ALL;

Sec. 24, ALL.

3,200 Acres

Beaver County

Rental \$6,400.00

100.00 % US Mineral Interest

Stipulations:

HQ-CRP-1: BLM Stipulation for Cultural Resource Protection

HQ-TES-1: BLM Stipulation for Threatened and Endangered Species Act

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

UT-GEO-S-02: BLM Stipulation NSO for Traditional Cultural Properties

UT-GEO-S-03: BLM Stipulation NSO for Riparian Habitat

UT-GEO-S-04: BLM Stipulation CSU for Riparian Habitat Buffer

UT-GEO-S-08: BLM Stipulation NSO for Waterbodies, Wetlands, and/or 100-Year Floodplains

UT-S-CCFO-280: BLM Stipulation TL for Bald Eagle Winter Habitat

Notices:

UT-GEO-LN-02: BLM Lease Notice for Monitoring

UT-GEO-LN-03: BLM Lease Notice for Paleontological and Cultural Resources

UT-GEO-LN-04: BLM Lease Notice for Geotechnical Analysis

UT-GEO-LN-05: BLM Lease Notice for Fossils

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UT-LN-128: BLM Lease Notice for Floodplain Management

UT-LN-156: BLM Lease Notice for Pollinators and Pollinator Habitat

UT-LN-MLP-147: BLM Lease Notice for Kit Fox Habitat

EOI #UT00017590

Stipulations

BLM Stipulations

HO-CRP-1: Cultural Resource Protection

This lease may be found to contain historic properties and/or resources protected under 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.

HO-TES-1: Threatened and Endangered Species Act

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. The 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 a species or their habitat. The BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. The BLM will not approve any ground-disturbing activity 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 Stipulations NSO

UT-GEO-S-01: No Surface Occupancy – National Register of Historic Places, Cultural Resources (Sites, Structures, Objects, and Traditional Use Areas)

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.

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.

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.

UT-GEO-S-02: No Surface Occupancy – Traditional Cultural Properties

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.

Exception: None.

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.

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.

UT-GEO-S-03: No Surface Occupancy – Riparian Habitat

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.

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.

UT-GEO-S-8: 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.

UT-S-58: No Surface Occupancy – Sunstone Knoll Rockhounding Area

All 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 oil and gas resources in the area by directional drilling from sites outside this area.

Exceptions: None

Modification: None

Waiver: None

BLM Stipulations CSU

UT-GEO-S-04: 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.

UT-GEO-S-07: Controlled Surface Use – Soil Severe Erosion

Controlled Surface Use (CSU) on lands with a severe soil wind or water erosion hazard rating (as designed by NRCS soil survey data when available). Prior to surface disturbance on soils with a severe erosion hazard rating, a site-specific construction, stabilization, and reclamation plan (Plan) must be submitted to the BLM by the applicant as a component of the Geothermal Drilling/Application for Permit to Drill – Plan of Operations. The operator may not initiate surface disturbing activities unless the Authorized Officer has approved the Plan or approved it with conditions.

The plan must demonstrate to the Authorized Officer's satisfaction how the operator will meet the following performance standards:

- Soil stability is maintained preventing slope failure and wind or water erosion.
- The site will be stable with no evidence of accelerated erosion features.
- The rate of soil erosion will be controlled to maintain or improve soil quality and sustainability. The disturbed soils shall have characteristics that approximate the reference site with regard to quantitative and qualitative soil erosion indicators described in H-7100-1 Soil Inventory, Monitoring, and Management Handbook.
- Sufficient topsoil is maintained for ensuring successful final reclamation. Interim reclamation will be completed, by re-spreading the topsoil over the areas being reclaimed.
- The original landform and site productivity will be partially restored during interim reclamation and fully restored as a result of final reclamation.

To maintain soil productivity, provide necessary protection to prevent excessive soil erosion on steep slopes, to avoid areas subject to slope failure, mass wasting, piping, or having excessive reclamation problems, and ensure successful interim and final reclamation.

Exception: The Authorized Officer may grant an exception if a staff review determines that the proposed action is of a scale (pipeline, vs. road, vs. well pad) or sited in a location, or a soil survey determines that the soil properties do not meet the severe erosion hazard criteria so that the proposed action would not result in a failure to meet the performance standards above.

Modification: The Authorized Officer may modify the size and shape of the restricted area subject to the stipulation based upon a NRCS soil survey or BLM evaluation. The stipulation and performance standards identified above may also be modified based on negative or positive monitoring results from similar proposed actions on similar sites or increased national or state performance standards. The authorized officer may modify the size and shape of the restricted area subject to the stipulation based upon a NRCS soil survey or BLM evaluation. The stipulation and performance standards identified above may also be modified based on negative or positive monitoring results from similar proposed actions on similar sites or increased national or state performance standards.

Waiver: The restriction may be waived if it is determined that the described lands do not include soils with severe erosion hazard. This determination shall be based upon NRCS mapping and BLM evaluation of the area.

UT-S-131: Controlled Surface Use – Critical Watershed (Perennial Streams and Springs)

In order to protect Critical Watershed, no occupancy or other subsurface disturbance will be allowed within 500 feet of any perennial streams and springs. This stipulation does not apply to maintenance and operation of producing wells.

Exception: Exceptions to this stipulation in any year may be specifically written by the authorized officer of the BLM if it can be shown that the activity would not impact the watershed.

Modification: None

Waiver: None

BLM Stipulations TL

UT-S-240: 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

UT-S-280: Timing Limitation – Bald Eagle Winter Habitat

In order to protect important seasonal bald eagle winter habitat, exploration, drilling, and other development activity will be allowed during the period from May 1 through October 31. This imitation does not apply to maintenance and operation of producing wells.

BLM Lease Notices

UT-GEO-LN-02: Monitoring

Prior to geothermal exploration and development, a complete subsurface geotechnical investigation will be conducted to analyze the soil and geologic conditions. The investigation will evaluate and identify potential geologic hazards and would provide remedial grading recommendations, foundation and slab design criteria, and soil parameters for the design of geothermal power infrastructure. The operator will collect available information describing the environmental and socio-cultural conditions in the vicinity of the proposed project and will provide the information to the agency. A monitoring program will be developed by the operator to ensure that environmental conditions are monitored during the exploration and well drilling, testing, construction, and utilization and reclamation phases. The monitoring program requirements, including adaptive management strategies, will be established at the project level to ensure that potential adverse impacts of geothermal development are mitigated. The monitoring program will identify the monitoring requirements for each major environmental resource present at the site, establish metrics against which monitoring observations can be measured, identify potential mitigation measures, and establish protocols for incorporating monitoring observations and additional mitigation measures into ongoing activities. The operator will provide results of the monitoring program to the agency in an annual report. The operator will comply with the Secretary of Agriculture's rules and regulations for all use and occupancy of the NFS lands prior to approval of an exploration plan by the Secretary of Interior and for uses of all existing improvements, such as forest development roads, within and outside the area permitted by the Secretary of Interior; and use and occupancy of the NFS lands not authorized by an exploration plan approved by the Secretary of Interior.

UT-GEO-LN-03: 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 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). 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). 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. 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.

UT-GEO-LN-04: Geotechnical Analysis

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).

UT-GEO-LN-05: Fossils

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. If 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.

UT-GEO-LN-06: Migratory Birds

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.

UT-GEO-LN-07: Water

The Operator is responsible for compliance with provisions of the Clean Water Act, Safe Drinking Water Act, and applicable State laws and regulations regarding protection of state water resources. Operators should contact Utah Division of Water Resources and Utah Division of Environmental Protection regarding necessary permits and compliance measures for any construction or other activities.

UT-GEO-LN-08: Mining Claims

This parcel may contain existing mining claims and/or mill sites located under the 1872 Mining Law. To the extent it does, the oil and gas 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 Multiple Mineral Development Act (30 U.S.C. 521 et seq.) shall apply on the leased lands.

UT-GEO-LN-09: Water Resources

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.

UT-LN-13: Pronghorn Winter Habitat

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.

UT-LN-14: Pronghorn Fawning Habitat

The lessee/operator is given notice that this lease has been identified as containing crucial pronghorn fawning habitat. Surface use or otherwise disruptive activity may be restricted for up to 60 days during pronghorn fawning season, as determined by BLM within identified crucial/important pronghorn fawning habitat from disruptive activity. Modifications to the Surface Use Plan of Operations may be required in accordance with section 6 of the lease terms and 43CFR3101.1-2.

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

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.

UT-LN-44: Raptors

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 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.

UT-LN-45: Migratory Bird

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.

UT-LN-47: Fisheries

The lessee/operator is given notice that this lease has been identified as containing fisheries habitat. No surface use or otherwise disruptive activity allowed within 400 feet of live water, or the reservoirs located in the Beaver and Sevier River drainages, Parowan and Cedar Valley drainages, or Pinto Creek/Newcastle Reservoir drainage in order to prevent fisheries degradation.

UT-LN-49: Utah Sensitive Species

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 43CFR3101.1-2.

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

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, Endangered Species Act, and 43CFR3101.1-2.

UT-LN-52: Noxious Weeds

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.

UT-LN-53: Riparian Areas

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.

UT-LN-54: Floodplains

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.

UT-LN-55: Water and Watershed Protection

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.

UT-LN-59: Erodeable Soils and Steep Slopes

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 along with exploration, drilling, construction, or other activities will be prohibited during wet or muddy conditions (usually during spring runoff and summer monsoon rains). 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 in accordance with section 6 of the lease terms and 43CFR3101.1-2.

UT-LN-60: Steep Slopes

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 in accordance with section 6 of the lease terms and 43CFR3101.1-2.

UT-LN-64: National Historic Trails or Historic Properties

The lessee/operator is given notice that lands in this lease have been identified as containing or is near a historic trail(s) or historic properties. After proper consultation, best management practices to prevent impacts to such resources may be required for operations on the lease.

UT-LN-71: Paleontological

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 in accordance with section 6 of the lease terms and 43CFR3101.1-2.

UT-LN-96: Air Quality Mitigation Measures

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 oil and gas development (including but not limited to construction, drilling, and production) on regional ozone formation.

- 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.
- 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 NOx/bhp-hr for engines 300HP.

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.

UT-LN-99: Regional Ozone Formation Controls

To mitigate any potential impact oil and gas development emissions may have on regional ozone formation, the following Best Management Practices (BMPs) would be required for any development projects:

- Tier II or better drilling rig engines
- Stationary internal combustion engine standard of 2g NOx/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: Air Quality

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 NOx 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 NOx 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.

UT-LN-102: Air Quality Analysis

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 photo-chemical 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.

UT-LN-107: Bald Eagle

The Lessee/Operator is given notice that the lands in this parcel contains 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 temporary action is completed prior to the following breeding or roosting season leaving no permanent structures and resulting in no permanent habitat loss. A permanent 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.

Current avoidance and minimization measures include the following:

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. Ensure that such directional drilling does not intercept or degrade alluvial aquifers.
11. All areas of surface disturbance within riparian areas and/or adjacent uplands should be re-vegetated with native species.

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.

UT-LN-128: Floodplain Management

The lessee/operator is given notice that, in accordance with Executive Order 11988, to avoid adverse impact to floodplains 1) facilities should be located outside the 100-year floodplain, or 2) would be minimized or mitigated by modification of surface use plans within floodplains present within the lease.

UT-LN-156: Pollinators and Pollinator Habitat

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:

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:
 - 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:
 - 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 early and out compete slower-growing natives.

UT-LN-MLP-147: Kit Fox Habitat

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.