

INTERDISCIPLINARY TEAM ANALYSIS RECORD CHECKLIST

Project Title: February, 2008 O&G Lease Sale 950
 BLM - UT - 950

NEPA Log Number: UT-020-2008-013

File/Serial Number: N/A

2008 JAN 14 PM 2: 57

Project Leader: L. Garahana/P. Schuller

DETERMINATION OF STAFF:

Determination	Resource	Rationale for Determination	Assignment	Date
CRITICAL ELEMENTS				
NI	Air Quality	All of the parcels are within an attainment area. The proposed action is consistent with the State of Utah's Implementation Plan. Proposed activity would not exceed the level identified in the RFDs. Given the low level of drilling and activity, only minimal emissions are anticipated.	B. Chadwick	11/19/07
NP	Areas of Critical Environmental Concern	There are no ACECs present or proposed.	P. Schuller	11/19/07
NI	Cultural Resources	Cultural resources are or could be present in all lease areas. However, given site densities indicated by current information, there is room on each lease parcel to locate at least one well pad, ancillary facilities and reasonable access and still avoid historical properties that may be present. Additionally, a general stipulation requiring protection of cultural resources applies to all parcels. Refer to BLM Salt Lake Field Office Quarterly Oil and Gas Lease, February 2007, staff report.	L. Naylor	11/19/07
NI	Environmental Justice	Health or environmental statutes would not be compromised. Leasing would not adversely or disproportionately affect minority, low income or disadvantaged groups.	P. Schuller	11/19/07
NP	Farmlands (Prime or Unique)	There are no prime or unique farmlands present. Soils are not irrigated and therefore do not meet the criteria for farmland.	M. Gates	11/19/07
NI	Floodplains	In conformance with the appropriate land use plans, parcels or portions of parcels having floodplains would be leased with CSU stipulations to protect those areas. Standard operating practices and application of the 200 meter provision of 43 CFR 3101.1-2 provide sufficient protection. As per Executive Order 11988, development would be prohibited within floodplains that cannot be mitigated.	M. Gates	11/19/07
PI	Invasive, Non-native Species	Invasive, non-native weed species are not addressed in any of the existing oil and gas EAs; however, the BLM coordinates with County and local governments to conduct an active program for control of invasive species. Standard operating procedures such as washing of vehicles and annual monitoring and spraying along with site specific mitigation applied as conditions of approval (COA) at the APD stage would be sufficient to prevent the spread or introduction of Invasive, Non-native species.	G. Kidd	11/19/07
NI	Native American Religious Concerns	Affected tribes have been contacted. No concerns or impacts have been identified/expressed on traditional cultural properties, practices, or lifeways.	L. Naylor	11/19/07
NP	Threatened, Endangered or Candidate Plant Species	None Present.	R. Hardy	11/19/07
NI	Threatened, Endangered or Candidate Animal Species	Canada lynx and Black-Footed Ferret habitat may be present. Refer to staff report/biological evaluation.	H. Roberts	11/19/07
NP	Wastes (hazardous or solid)	Drilling fluids, produced waters, and other wastes associated with the exploration, development or production of crude or natural gas are excluded as a hazardous waste under 40 CFR 261.4(b)(4). Site specific mitigation applied as conditions of approval (COA) at the APD stage would be sufficient to ensure proper containment, transport and disposal of solid or toxic waste if any are required or generated.	T. Ingwell	11/19/07

NP = not present in the area impacted by the proposed or alternative actions

NI = present, but not affected to a degree that detailed analysis is required

PI = present with potential for significant impact analyzed in detail in the EA; or identified in a DNA as requiring further analysis

NC = (DNAs only) actions and impacts not changed from those disclosed in the existing NEPA documents cited in Section C of the DNA form.

Determination	Resource	Rationale for Determination	Assignment	Date
NI	Water Quality (drinking/ground)	Standard operating practices (SOPs) identified in referenced land use plans, oil and gas operating regulations and site specific mitigation applied as conditions of approval (COA) would be sufficient to isolate and protect all usable water zones. The SOPs include the requirements for disposal of produced water contained in Onshore Oil and Gas Order (OOGO) No. 7 and the requirements for drilling operations contained in OOGO No. 2. A lease stipulation on appropriate parcels requiring no occupancy or surface disturbance within 600 feet of live water would afford protection of surface water quality.	M. Gates	11/19/07
NI	Wetlands/Riparian Zones	Per lease stipulations: no surface occupancy or other surface disturbance will be allowed within 600 feet of live water. Parcels having riparian habitat would be leased with CSU stipulations to protect those areas. Site specific mitigation would also be applied as COAs during the processing of APDs to ensure no undue or unnecessary degradation to these areas would occur.	M. Gates	11/19/07
NP	Wild and Scenic Rivers	None of the proposed parcels are located in or adjacent to Wild and Scenic Rivers.	J. Palette	11/19/07
NP	Wilderness	None of the proposed parcels are located in or adjacent to wilderness or WSAs.	J. Palette	11/19/07
OTHER RESOURCES				
PI	Vegetation Including Special Status Species other than FWS candidate/listed	Surface disturbances associated with any exploration and development proposal would remove some vegetation. Loss of soils or important plant species is not anticipated and interim and permanent reclamation would be completed to prevent the spread or introduction of invasive species. No special status plant species are known to occur in the project area. Refer to staff report/biological evaluation (Attachment 4).	M. Gates	11/19/07
PI	Fish and Wildlife Including Special Status Species other than FWS candidate/listed	Crucial big game ranges are present. Nest sites for sensitive raptor species are likely to be present. Important fish habitats are present. Sage-grouse nesting, brooding and winter habitat is present. Migratory birds may inhabit or frequent the areas. Refer to staff report/biological evaluation (Attachment 4).	H. Roberts	11/19/07
NI	Visual Resources	Parcels are located within VRM Classes II, III and IV. The VRM lease stipulation would be applied to parcels within VRM Classes II and III areas to protect those areas. In order to maintain aesthetic values, all permanent and semi-permanent facilities would be painted to blend with the natural surroundings to be in conformance with the land use plan.	J. Palette	11/19/07
NP	Wilderness Characteristics	The proposed action is not located in areas identified as Non-WSA lands with wilderness characteristics.	J. Palette	11/19/07
NI	Recreation	Recreation takes a variety of forms including hunting, fishing, hiking, camping, cross-country skiing and snowmobiling. Recreation is widely dispersed at a very low level of visitation. Given that recreation users would be expected to use other areas, no impacts are anticipated.	J. Palette	11/19/07
NI	Soils	Soils range from loam to gravelly loam. Given the low level of anticipated exploration and application of standard operating procedures, best management practices and ability to implement site-specific mitigation that would be applied at the APD stage as conditions of approval, it is concluded that no substantive impacts on soils would be anticipated.	R. Hardy	11/19/07
NP	Paleontology	No known paleontological resources.	Larry Garahara	11/19/07

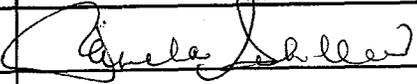
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PI = present with potential for significant impact analyzed in detail in the EA; or identified in a DNA as requiring further analysis

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Determination	Resource	Rationale for Determination	Assignment	Date
NI	Livestock Grazing	Given the low level of anticipated exploration and the application of standard operating procedures, best management practices and site specific mitigation applied at the APD stage as conditions of approval, it is concluded that livestock grazing operations would not be affected. Drill sites would be fenced. Any facilities such as fences and cattleguards that would be affected would be replaced or restored and disturbed areas would be reclaimed.	M. Gates	11/19/07

Reviewer Title	Signature	Date	Comments
Environmental Coordinator		1/10/08	—
Authorized Officer		1/10/08	

NP = not present in the area impacted by the proposed or alternative actions
 NI = present, but not affected to a degree that detailed analysis is required
 PI = present with potential for significant impact analyzed in detail in the EA; or identified in a DNA as requiring further analysis
 NC = (DNAs only) actions and impacts not changed from those disclosed in the existing NEPA documents cited in Section C of the DNA form.

U.S. DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Environmental Notification Bulletin Board
ENVIRONMENTAL NOTIFICATION BULLETIN BOARD

Project Name: February 2008 Oil and Gas Lease Sale EA
NEPA Log Number: UT-020-2008-013
Field Office/Code: Salt Lake Field Office-UT020
Contact: Pam Schuller
Phone Number: 801-977-4300
File/Serial Number:
Document Type: Environmental Assessment

Primary Program:
Cultural: Watershed:
Fire / Fuel: Wild Horses:
Lands & Realty: Wildlife:
Minerals: Planning:
Range: Paleontology:
Recreation: Woodland / Forestry:
Vegetation: Other:

Project Description: Twenty-three parcels covering approximately 42,106 acres are proposed for the Utah BLM February 2008 Oil and Gas Lease Sale in Rich County.

Legal Description:
Meridian: Salt Lake
Township:
Range:
Section:

General Location and Other Remarks: Throughout Rich County

County(s): Rich **Other:**

Special Interests: ACEC: Special Status Species:
Critical Habitat: Visual Resources:
Cultural: Designated Wilderness / WSA:
Fire Rehabilitation: Wild & Scenic Rivers:
Riparian: Areas with Wilderness Characteristics:
None: Native American Concerns:
Other:

Status and Date of Action: Changes may be made to the proposed parcel list until the oil and gas lease sale on February 19, 2008.
DR/FONSI Signed 2/15/08.

Comment Period Provided: Yes

Files: No Files

**United States Department of the Interior
Bureau of Land Management**

**Rich County Oil and Gas Lease Parcels
Environmental Assessment UT-020-2008-013
December 2007**

Location: Rich County, T 6-13 N, R 4-8 E

Salt Lake Field Office
2370 South 2300 West
Salt Lake City, 84119
Phone: (801) 977-4300
FAX: (801) 977-4397



**FINDING OF NO SIGNIFICANT IMPACT
AND
DECISION RECORD
Rich County Oil and Gas Lease Parcels
*EA-UT-020-2008-013***

FONSI: Based on the analysis of potential environmental impacts contained in the attached environmental assessment, UT-020-2008-013, and considering the significance criteria in 40 CFR 1508.27, I have determined that the action will not have a significant effect on the human environment. An environmental impact statement is therefore not required.

DECISION: I have reviewed the submitted oil and gas parcel nominations in light of the Environmental Assessment (EA) that was prepared. I concur with the assessment and the recommended mitigation and protections. It is my decision to select the Preferred Alternative as described in the Environmental Assessment. I recommend offering for sale and issuance, as part of the February 19, 2008, quarterly competitive oil and gas lease sale, 23 parcels of federal mineral estate in Rich County, Utah. The subject parcels consist of approximately 42,105.93 acres as described in Attachment 1 to the EA, and I recommend they be leased subject to the stipulations and lease notices described in Attachment A of this Decision Record (DR). If the lease parcels are sold either competitively at the lease sale, or noncompetitively within two years of the sale, the parcels would be available for exploration and development of oil and gas resources for a ten year period, subject to the attached special stipulations and notices, and consistent with the lease terms of the standard lease form (Form 3100-11).

Additional avoidance or mitigation measures deemed necessary to protect sensitive environmental resources, such as wildlife and their important habitats, and/or prevent any unnecessary environmental degradation, would be added under the authorities of the Federal Land Management Policy Act, the Mineral Leasing Act, and Section 6 of the standard lease form. All subsequent environmental protections would be based on site-specific environmental analysis associated with implementation level permit applications, such as an APD, if such application is received in the future.

RATIONALE FOR DECISION: The 23 subject parcels will be made available for oil and gas leasing under the Mineral Leasing Act of 1920 as amended and the Federal Onshore Oil and Gas Leasing Reform Act as revised. This decision is in conformance with the Randolph Management Framework Plan, as amended by the Bear River East Plan Amendment for Oil and Gas Leasing and is consistent with all local, state and federal area management plans. The decision to move forward with the sale of these parcels will meet the objectives identified in the purpose for the proposed action, i.e., to make available the mineral resources located within these parcels for competitive leasing. Alternatives not selected are inconsistent with applicable law and would not be in conformance with 1994 Bear River East Plan Amendment for Oil and Gas Leasing that allows for oil and gas leasing.

This EA was drafted prior to posting of the original list of parcels. The EA was posted for comment on the Utah Environmental Notification Bulletin Board (ENBB) on January 4, 2008 and the comment period ran concurrently with the regulatory protest period for inclusion of these parcels in the February 19, 2008 oil and gas lease sale list. No comments were received on the EA. All protests are under consideration and each pertinent protest will be resolved prior to the State Director's final decision whether to issue any particular lease parcel.

Information gained through coordination meetings and discussions with the Utah Division of Wildlife Resources (UDWR) prior to development of the EA was helpful in conducting the analysis within this EA. No additional information or comment was received as a result of the subsequent review and comment period that would require supplementation of existing analysis within the EA. Multiple phone conversations and meetings between representatives of the Utah BLM and the UDWR have occurred throughout the process and input of the State agency has been informative and valuable in determining the relative adequacy of the sited protections and the mitigative nature of BLM conservation measures and actions.

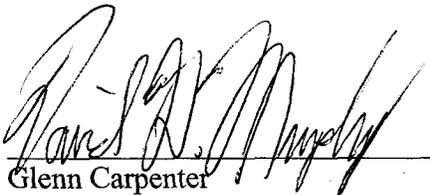
All twenty-three parcels contain a special Cultural Resources Lease Notice stating that all development activities proposed under the authority of these leases are subject to compliance with Section 106 of the NHPA and Executive Order 13007. Each lease parcel also contains a special stipulation as directed by WO IM No. 2002-174 which describes the retained authority of the agency to insure compliance with all statutes and implementing regulations concerning federally protected species of plants, fish and wildlife.

Alternatives considered in this EA include the No Action Alternative and a No Surface Occupancy (NSO) Alternative that would offer for sale and issuance, all of the parcels with an attached NSO stipulation. While a "no action" alternative is typically constructed to accommodate analysis of the continuation of existing management, i.e., leasing according to the current land use plan, in this EA, and for the purposes of the analysis in this EA, "no action" means that the BLM would exercise its discretion to not lease the subject parcels at this time. The continued application of this alternative would not be in conformance with the current land use plan, as amended. The NSO Alternative was not analyzed in detail because the results of impact analysis of the proposed action does not indicate a level of potential impact that would necessitate application of NSO beyond what is already required in the current land use plan (i.e., no surface occupancy within 600 feet of live water) and NSO would not be in conformance with the current land use plan, as amended.

Impacts from the selection of the preferred alternative may include those potential impacts described within the EA. In consideration of all of these potential impacts, the stipulated protections in Attachment A, the broad authorities granted BLM under FLPMA and MLA to avoid impacts to sensitive resources or habitats and condition future permits, and other mitigating factors, it is my assessment that these factors will effectively minimize impacts and allow for early identification of all environmental concerns prior to any surface disturbance approval. This current decision record will not eliminate or preclude future decisions that implement additional protective measures necessary to avoid undue impacts to resources or unnecessary degradation of public lands. While the potential for site-specific surface disturbing activities was analyzed in the EA, this does not preclude the authorized officer from making adjustments to future surface use plans of operation or requiring additional protections based on site-specific analysis.

If a lease is issued as a result of the sale, or noncompetitively during a two year period after the sale, then prior to any surface disturbance, a lessee must submit a development proposal in the form of a Notice of Intent for geophysical operations, or an Application for Permit to Drill (APD) (Form 3160-3) to the BLM for approval. The lessee and operator must obtain approval of the authorized office prior to any surface disturbance. The lessee must be in compliance with stipulations attached to the lease, and all provisions of the standard lease form must be met before an APD may be approved. If an APD is submitted, site-specific environmental review will be conducted and appropriate conditions of approval (COAs) would be developed to further minimize and mitigate potential site-specific impacts.

Existing BLM authorities for mitigation and protection of surface resources, coupled with the stipulated protections and notices as detailed in Attachment A, provide BLM adequate regulatory authority to prevent significant impacts to sensitive resources present upon these subject lease parcels (W.O. IB No 2007-119). This determination is based on the analysis within the EA and is informed by very low levels of disturbance expected from reasonably foreseeable development scenario.

FOR


Glenn Carpenter
Field Manager
Salt Lake Field Office

15 FEB 08
Date

APPEALS:

Any appeal of this decision must follow the procedures set forth in 43 CFR Part 4. Within 30 days of the decision to issue any subject lease, a notice of appeal must be filed in the office of the authorized officer at *440 West 200 South, Suite 500; Salt Lake City, UT, 84101*. If a statement of reasons for the appeal is not included with the notice, it must be filed with the Interior Board of Land Appeals, Office of Hearings and Appeals, U.S. Department of the Interior, 801 North Quincy St., Suite 300, Arlington, VA 22203 within 30 days after the notice of appeal is filed with the authorized officer.

If you wish to file a petition for stay pursuant to 43 CFR Part 4.21(b), the petition for stay should accompany your notice of appeal and shall show sufficient justification based on the following standards:

- (1) The relative harm to the parties if the stay is granted or denied,
- (2) The likelihood of the appellant's success on the merits,
- (3) The likelihood of irreparable harm to the appellant or resources if the stay is not granted, and
- (4) Whether the public interest favors granting the stay.

If a petition for stay is submitted with the notice of appeal, a copy of the notice of appeal and petition for stay must be served on each party named in the decision from which the appeal is taken, and with the IBLA at the same time it is filed with the authorized officer.

A copy of the notice of appeal, any statement of reasons and all pertinent documents must be served on each adverse party named in the decision from which the appeal is taken and on the Office of the Regional Solicitor, U.S. Department of the Interior, 6201 Federal Building, 125 South State Street, Salt Lake City, Utah 84138-1180, not later than 15 days after filing the document with the authorized officer and/or IBLA.

Attachment A

List of Parcels with Existing Stipulations & Additional Notices

UT1107- 001

T. 10 N., R. 6 E., Salt Lake

Sec. 1: Lots 2-4, S2NW, NWSW;

Sec. 11: SENE, SESW, SE;

Sec. 12: W2NE, S2NW, S2;

Secs. 13, 14: ALL.

2,244.75 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SENE, E2SE of Sec. 11 and the SWNW of Sec. 12. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage-grouse winter habitat, exploration, drilling, and other development activity in the SENE, E2SE of Sec. 11; SWNE, S2NW, S2 of Sec. 12; Sec. 13 and E2NE of Sec. 14 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage-grouse breeding and nesting habitat, exploration, drilling, and other development activity in the SENE, E2SE of Sec. 11; Sec. 12; Sec. 13 and Sec. 14 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the sites identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with

Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 002

T. 10 N., R. 6 E., Salt Lake

Sec. 3: Lots 1-4, SWNE, S2NW, N2SW, SESW, SE;

Sec. 4: Lots 1-4, S2N2, NESW, S2SW, N2SE, SWSE;

Sec. 9: ALL;

Sec. 10: N2, SW, NWSE;

Sec. 11: N2NW, SWNW;

Sec. 15: NWNW.

2,454.02 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SW, NWSE of Sec. 10 and the NWNW of Sec. 15. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other

development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the SESW, SE of Sec. 3; S2SW, SWSE of Sec. 4; Sec. 9; Sec. 10 and Sec. 15, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the NENE, S2NE, NESW, S2SW, SE of Sec. 9; N2 of Sec. 10 and Sec. 11 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed

Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 003

T. 10 N., R. 6 E., Salt Lake

Sec. 5: Lots 1-3, S2N2, S2;

Sec. 6: Lots 1-3, 5, 7, S2NE, SENW, E2SW, W2SE, SESE;

Secs. 7, 8: ALL.

2,406.64 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the S2S2 of Sec. 5; Lot 7, SESW, S2SE of Sec. 6; Sec. 7 and Sec. 8., activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the

U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107- 004

T. 10 N., R. 6 E., Salt Lake

Sec. 10: E2SE;

Sec. 11: W2NE, SENW, N2SW, SWSW.

320.00 Acres (½ Mineral Interest)

Rich County, Utah²

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat

from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT1107- 005

T. 10 N., R. 6 E., Salt Lake
Sec. 15: E2NE, SWNE, S2;
Sec. 17: SESE;
Sec. 20: E2NE, SWNE, SENW, S2;
Secs. 21 and 22: ALL.

2,240.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SESE of Sec. 17; SWNE, SENW, SW of Sec. 20. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the SESE of Sec. 20; NESW, S2SW, SE of Sec. 21 and the SW, S2SE of Sec. 22, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the Sec. 15; Sec. 17; E2NE, SE of Sec. 20; Sec. 21 and Sec. 22, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the S2 of Sec. 15; E2E2 of Sec. 20; Sec. 21 and Sec. 22 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to

the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-46: Sage Grouse Lek Habitat - Exploration, drilling, and other associated development should not be allowed from March 1st to June 15th in order to minimize disturbance to breeding sage grouse. Surface occupancy with historic or presently occupied habitat should be avoided. Permanent development near active or historically active leks should be avoided as they are often considered the focal point of year round activities for non-migratory populations (Braun et. al. 1977. Habitat surrounding the breeding grounds provides the majority of the nesting and early brood rearing habitat. Surveys to determine presence/absence of sage grouse prior to commencing work. To avoid disturbance of leks and nesting habitat during the breeding and nesting period, a 2 mile buffer around leks should remain undisturbed (Connelly e. al. 2000).
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations,

including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-006

T. 10 N., R. 6 E., Salt Lake

Sec. 17: N2, N2SW, SWSW;

Sec. 18: ALL;

Sec. 19: Lots 2-4, S2NE, E2NW, E2SW, SE.

1,597.76 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the W2W2SW of Sec. 17; Lots 2-4, SENW, E2SW, SE of Sec. 18 and Sec. 19. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the E2NE of Sec. 17 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 007

T. 10 N., R. 6 E., Salt Lake
Secs. 23, 24, 25 and 26: ALL.
2,560.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the SWSW, NESE, S2SE of Sec. 23; Sec. 24; Sec. 25 and Sec. 26 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the Sec. 23; N2NE, SWNE, NW, N2SW, SWSW of Sec. 24 and the N2NE, SWNE, NW, NWSW of Sec. 26, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the Sec. 23; Sec. 24; N2, N2SW of Sec. 25 and the N2, N2S2 of Sec. 26 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 008

T. 10 N., R. 6 E., Salt Lake
Secs. 27, 33, 34 and 35: ALL.
2,560.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the N2, SW, N2SE of Sec. 27 and the N2N2, SWNW, NWSW of Sec. 33, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without

impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the N2, N2S2 of Sec. 27 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 009

T. 10 N., R. 6 E., Salt Lake
Secs. 28 and 29: ALL;
Sec. 30: Lots 2-4, E2;
Sec. 31: Lots 1-4, E2NE, SWNE, E2W2, SE.
2,316.97 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on Sec. 30 and the NENW of Sec. 31. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in Sec. 28; NE, SENW, S2 of Sec. 29; SESE of Sec. 30 and the E2E2, SWSE of Sec. 31 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the NE, E2NW, N2SE of Sec. 28 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-010

T. 9 N., R. 6 E., Salt Lake
Secs. 1, 11, 12: ALL;
Sec. 13: NENE.

1,980.04 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in Lot 4 of Sec. 1 and the S2NESW, N2SESW, SWNESE, S2NWSE, N2SWSE, NWSESE of Sec. 11. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the NWNW of Sec. 11 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146: No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat

from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-011

T. 9 N., R. 6 E., Salt Lake
Secs. 3, 9, 10: ALL.
1,958.72 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the Sec. 3 and the N2N2 of Sec. 10, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing

restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 012

T. 9 N., R. 6 E., Salt Lake

Sec. 4: ALL;

Sec. 5: Lots 5-10, S2NE, N2SW, SESW, SE;

Sec. 6: Lots 3-6, 8-15.

1,897.02 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in Sec. 4; Lots 5-10, S2NE, N2S2 of Sec. 5 and Lots 3, 5, 6, 8-15 of Sec. 6, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 013

T. 9 N., R. 6 E., Salt Lake
Sec. 7: Lots 5-16;
Sec. 8: Lots 1-10, SW;
Secs. 17 and 18: ALL.

2,305.77 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other

development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in Lots 4, 5, and 8 of Sec. 17, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 14, 15 of Sec. 7; Lots 5, 7, 9-12, 14-16, NWNE of Sec. 18, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09:

Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107-014

T. 9 N., R. 6 E., Salt Lake

Sec. 13: NW, NWSW;

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

Sec. 15: All;

Sec. 21: NE, N2NW, SENW, NESE;

Sec. 22: N2N2, SWNE, S2NW, N2SW;

Sec. 23: N2NW.

2,200.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the NWSW of Sec. 13; W2 of Sec. 15; NENE, S2NE, N2NW, SENW, NESE of Sec. 21; Sec. 22 and Sec. 23, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the N2NW of Sec. 21, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146: No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.

11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107- 015

T. 9 N., R. 6 E., Salt Lake

- Sec. 19: Lots 5-15, E2NE, NENW;
- Sec. 20: Lot 1, NWNE, SENE, W2, SE;
- Sec. 21: S2SW, SWSE;
- Sec. 28: N2;
- Sec. 29: N2N2, SENE;
- Sec. 30: Lots 5, 8, 9;
- Sec. 31: Lots 7, 8.

1,965.26 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on Lots 5-8, 12 of Sec. 19; NWNE, NENW, E2W2NW, W2SE of Sec. 20; S2SW, SWSE of Sec. 21 and Lots 7, 8 of Sec. 31. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire parcel, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 7-10, E2NE of Sec. 19 and the W2NW of Sec. 20, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use

of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-15: Historical and Cultural Resource Values - The lessee/operator is given notice that lands in this lease may contain significant Historical and Cultural Resources. Modifications to the Surface Use Plan of Operations may be required for the protection of these resources.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.

6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107-016

T. 9 N., R. 6 E., Salt Lake
 Sec. 24: S2NE, NESW, S2SW, SE;
 Sec. 26: ALL;
 Sec. 34: ALL.

1,640.00 Acres
 Rich County, Utah
 Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in Sec. 24 and the N2 of Sec. 26, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the W2W2 of Sec. 26 and the N2NW, SENW of Sec. 34, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by

the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the SESE of Sec. 24, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-017

T. 15 N., R. 7 E., Salt Lake

Sec. 33: Lots 1-4, NESW, N2SE, SESE;

Sec. 34: Lot 4.

330.65 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by

the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect

any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT1107- 018

T. 14 N., R. 7 E., Salt Lake

Sec. 3: Lots 2-4, SENE, NESW, N2SE, SESE;

Sec. 8: N2NE, SENE;

Sec. 9: S2SW, SESE;

Sec. 11: S2NW, SW;

Sec. 18: N2SE;

Sec. 29: W2NW, SENW, E2SW.

1,079.43 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on Lots 2-4, SENE, NESW, N2SE of Sec. 3, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 019

T. 13 N., R. 7 E., Salt Lake

Sec. 1: ALL;

Sec. 14: W2NW, SENW, SW, S2SE;

Sec. 25: N2, S2SW;

Sec. 26: NE, NENW, S2S2;

Sec. 35: ALL.

2,404.64 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on S2N2, SESW of Sec. 25 and the S2NE of Sec. 26. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the SENE, SESW, SE of Sec. 1; S2SE of Sec. 14; NENW, S2SW of Sec. 25; S2S2 of Sec. 26 and Sec. 35 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on Sec. 1; SWNW, SW, SWSE of Sec. 14; W2NW, SWSW of Sec. 25; Sec. 26 and Sec. 35 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT1107- 020

T. 12 N., R. 7 E., Salt Lake
Secs. 8, 9 and 10: ALL.
1,920.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the SE of Sec. 9 and the S2 of Sec. 10. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the NE, E2NW, N2SE, SESE of Sec. 8; Sec. 9 and Sec. 10 will

be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-46: Sage Grouse Lek Habitat - Exploration, drilling, and other associated development should not be allowed from March 1st to June 15th in order to minimize disturbance to breeding sage grouse. Surface occupancy with historic or presently occupied habitat should be avoided. Permanent development near active or historically active leks should be avoided as they are often considered the focal point of year round activities for non-migratory populations (Braun et. al. 1977. Habitat surrounding the breeding grounds provides the majority of the nesting and early brood rearing habitat. Surveys to

determine presence/absence of sage grouse prior to commencing work. To avoid disturbance of leks and nesting habitat during the breeding and nesting period, a 2 mile buffer around leks should remain undisturbed (Connelly e. al. 2000).

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-021

T. 11 N., R. 7 E., Salt Lake

Sec. 4: Lots 3, 4, SWNW;

Sec. 5: Lots 1-4, S2N2, SW, N2SE, SWSE;

Sec. 6: Lots 1-5, S2NE, SENW, NESW, SE;

Sec. 7: NENE;

Sec. 8: N2NW.

1,372.58 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in

writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the SWNW of Sec. 4; NESE, SWSE of Sec. 5; Lot 5, NESW of Sec. 6; NENE of Sec. 7 and the NENW of Sec. 8, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in Lots 2-5, SWNE, SENW, NESW of Sec. 6, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-133 In order to protect the colonies of white-tailed prairie dog, no surface occupancy or other surface disturbance will be allowed within 600ft of white-tailed prairie dog towns if activity would result in the destruction of the prairie dog town located on Lot 3 of Sec. 4 and NESE of Section 5.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use

Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.
- T&E-08: Utah Prairie Dog - The lessee/operator is given notice that lands in this lease may contain historic and/or occupied Utah prairie dog habitat, a threatened species under the Endangered Species Act. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs when prairie dogs are active or hibernating. A

temporary action is completed prior to the following active season leaving no permanent structures and resulting in no permanent habitat loss. A permanent action continues for more than one activity/hibernation season and/or causes a loss of Utah prairie dog habitat or displaces prairie dogs through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures include the following:

1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s).
2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in prairie dog habitat.
4. Surface occupancy or other surface disturbing activity will be avoided within 0.5 mile of active prairie dog colonies.
5. Permanent surface disturbance or facilities will be avoided within 0.5 mile of potentially suitable, unoccupied prairie dog habitat, identified and mapped by Utah Division of Wildlife Resources since 1976.
6. The lessee/operator should consider if fencing infrastructure on well pad, e.g., drill pads, tank batteries, and compressors, would be needed to protect equipment from burrowing activities. In addition, the operator should consider if future surface disturbing activities would be required at the site.
7. Within occupied habitat, set a 25 mph speed limit on operator-created and maintained roads.
8. Limit disturbances to and within suitable habitat by staying on designated routes.
9. Limit new access routes created by the project.

Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.

UT1107- 022

T. 11 N., R. 7 E., Salt Lake

Sec. 7: Lots 3, 4, E2SW, S2SE;

Sec. 8: S2SW, SWSE;

Sec. 17: NWNE, N2NW, SWNW;

Sec. 18: Lots 1-4, NE, E2W2;

Sec. 19: Lots 1, 2, E2NW.

1,101.61 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the SESE of Sec. 7; Sec. 8; Sec. 17 and Lot 1, NE, E2NW of Sec. 18 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Sec. 7; Sec. 8; and the SWNW of Sec. 17, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on Lots 1-4, NWNE, E2W2 of Sec. 18 and Sec. 19, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing

restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 023

T. 11 N., R. 7 E., Salt Lake

Sec. 24: Lots 3-8 excluding patented mining claim;

Sec. 25: Lots 1-15 excluding patented mining claim;

Sec. 35: Lots 1-13.

1,250.07 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 4, 5, 8 of Sec. 24; Lots 1-7, 9-14 of Sec. 25 and Sec. 35, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146: No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this

limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if

either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

CHAPTER 1

INTRODUCTION

INTRODUCTION

This Environmental Assessment (EA) has been prepared to analyze oil and gas leasing on 23 nominated parcels within Rich County, Utah. The parcels are located near the communities of Randolph and Woodruff, Utah, on and west of the Crawford Mountains. The legal land descriptions are listed for each parcel in Attachment 1. Attachment 2 contains maps which illustrate parcel locations.

This EA is an analysis of potential impacts that could result with the implementation of the proposed action or an alternative to the proposed action. This EA assists the BLM in project planning, in ensuring compliance with the National Environmental Policy Act 1969 (NEPA) and in making a determination as to whether any "significant" impacts could result from the analyzed action or alternative. "Significance" is defined by NEPA and is found in regulation 40 CFR 1508.27. An EA provides evidence for determining whether to prepare an Environmental Impact Statement (EIS) or a statement of "Finding of No Significant Impact" (FONSI). A Decision Record (DR)/FONSI briefly presents the reasons for selection of an alternative and explains why implementation of the chosen alternative would not result in "significant" environmental impacts (effects) beyond those already addressed in the Randolph Management Framework Plan as amended by Bear River East Plan Amendment. If the decision maker determines, through the analysis in the EA, that this project could have "significant" impacts, then an EIS would be prepared for the project. If the decision maker finds no significant impact, then a Decision Record may be signed for the EA approving the alternative selected.

PURPOSE AND NEED FOR THE PROPOSED ACTION

The purpose of the action is to make mineral resources available for competitive oil and gas leasing as required by Federal law and regulation. The need for the action is to respond to public demand for leasing and to comply with the requirement to conduct a quarterly oil and gas lease sale. Oil and gas lease parcels have been nominated by the public pursuant to 43 CFR 3100 within Rich County, UT in the Salt Lake Field Office (SLFO). Leasing of the 23 parcels considered in this EA is intended to meet the requirements of the Mineral Leasing Act of 1920, as amended, Mining and Minerals Policy Act of 1970 and the Federal Onshore Oil and Gas Leasing Reform Act of 1987 (Reform Act). The Reform Act directs BLM to conduct quarterly oil and gas lease auctions within each state whenever eligible lands are available for leasing. Mineral exploration and production is one of the principal uses of the public lands recognized by the Federal Land Policy and Management Act of 1976 (FLPMA, Section 103(1)), and is consistent with the Energy Policy Act of 2005 and other applicable laws, regulations and policies. BLM must also consider the affects of mineral development on competing resources and uses, balance competing resource uses and observe the principals of multiple use and sustained yield in making the decision to lease for oil and gas exploration and development.

CONFORMANCE WITH BLM LAND USE PLAN(S)

The 1980 BLM Randolph Management Framework Plan and Park City Management Framework Plan decisions allow for oil and gas leasing and specifically allow for leasing of the subject parcels of this EA. The 1994 Bear River East Plan Amendment for Oil and Gas Leasing revised the oil and gas leasing categories and lease stipulations in the Randolph Management Framework Plan, the Park City Management Framework Plan and the Isolated Tract Planning Analysis.

Purchasers of oil and gas leases are required to obey all applicable federal, State, and local laws and regulations including obtaining necessary permits required for approval of activities on the lease. It is yet unknown which, if any, of the parcels would actually be developed. A lease for oil and gas gives a lessee the right to drill and produce, subject to the lease terms, any special stipulations, other reasonable conditions, and approval of an Application for Permit to Drill (APD). In approving the APD, or when any surface disturbing activity may occur, BLM reviews the adequacy of the current environmental analysis and reviews compliance with NEPA requirements. BLM may conduct additional site-specific evaluations at that time and may require additional mitigation measures as part of the approval of an APD, consistent with the lease terms, stipulations and site-specific environmental analysis.

RELATIONSHIPS TO STATUTES, REGULATIONS AND OTHER PLANS

The proposed action, as described in Chapter 2, is consistent with federal, State and local laws, regulations, policies and plans to the maximum extent practicable.

The following is a list includes, but is not limited to, the federal laws, policies and regulations reviewed and considered for consistency:

- Mineral Leasing Act of 1920, as amended and supplemented by subsequent legislation
- Federal Land Policy and Management Act of 1976, which calls for managing the public lands for multiple use
- 43 CFR Part 3100, which provides regulations governing Onshore Oil and Gas Leasing.
- Executive Order 133212, which directs the Secretary of the Interior to expedite energy-related projects
- National Historic Preservation Act (NHPA) and rules for implementing section 106 found at 36 CFR Part 800
- Endangered Species Act (ESA) and rules for implementing section 7 found at 50 CFR Part 402
- Energy Policy Act of 2005

The following is a list by name and by approval date, all applicable existing NEPA documents that cover the proposed action:

Salt Lake District Oil & Gas EAR
Randolph Management Framework Plan
Bear River East Plan Amendment EA

Date Approved 1975
Date Approved 1980
Date Approved 1994

State and local plans, regulations and other relevant documentation reviewed and considered for consistency of the proposed action include:

Utah Riparian Management Policy (2006);
Randolph Habitat Management Plan (1982);
Crawford Mountain Habitat Management Plan (1986);
T&E Habitat Management Plan (1990);
Biological Evaluation (12/2007);
Cultural Evaluation (12/2007);
Rich County Comprehensive Plan (1996);
Utah's Standards for Rangeland Health (1997); and
Salt Lake District Office, Weed EA, UT-020-96-24 (1996).

These documents and their associated analyses are hereby incorporated by reference, based on their use and consideration by various authors of this document in developing the analysis found within this EA. The attached Interdisciplinary Analysis Record Checklist (Attachment 3) was also developed after consideration of these documents and their contents. Each of these documents is available for review upon request from the Utah BLM, Salt Lake Field Office in Salt Lake City, Utah.

CHAPTER 2 DESCRIPTION OF ALTERNATIVES

PROPOSED ACTION

The BLM's proposed action is to offer for lease 23 parcels of nominated federal minerals estate determined to be open to leasing, subject to standard lease terms and applicable special or no surface occupancy (NSO) stipulations, in a quarterly competitive oil and gas lease sale. The tracts of federal mineral estate to be offered are partially BLM surface estate and partially "split estate" (i.e., surface owned or administered by a non-federal entity). Once leased, lands would be available for exploration and development of oil and gas resources for a 10-year period, subject to attached special stipulations, notices, and consistent with the lease terms of the standard lease form agreement (Form 3100-11). Additional stipulations or notices may be identified through analysis found in this EA.

If a lease is issued, prior to any surface disturbance, a lessee must submit a development proposal to the BLM, in the form of a Notice of Intent (NOI) for geophysical operations, or an Application for Permit to Drill (APD) (Form 3160-3) for drilling, which must be approved prior to any surface disturbance. Any stipulations attached to the standard lease form must be met before an APD may be approved. When an APD is submitted, site-specific environmental review is conducted and appropriate conditions of approval (COAs) are developed to further mitigate potential impacts. Following BLM approval of an APD, a lessee may explore for and produce oil and gas in a manner approved by BLM in the APD or in subsequent sundry notices.

Attachment 1 contains a complete list of the parcels, the legal descriptions and corresponding lease stipulations and notices that would be attached to the parcels. The 23 parcels consist of approximately 42,105.93 acres and are illustrated on a map in Attachment 2. These parcels are all subject to leasing with special stipulations (category 3). Stipulations and Notices are listed in Attachment 1.

NO ACTION

For the purposes of this analysis, the No Action alternative is to not offer the parcels for lease. While a "no action" alternative typically is construed as a continuation of the existing environment, i.e., leasing according to the current land use plan, for the purposes of this analysis, "no action" means that BLM would exercise its discretion to not lease at this time. The continued application of this alternative would not be in conformance with the current land use plan as amended, and would require a BLM land use plan amendment process to close the area to leasing.

ALTERNATIVES CONSIDERED BUT NOT ANALYZED IN DETAIL

All parcels offered under No Surface Occupancy (NSO) Stipulation.

Under this alternative BLM would offer the leases with NSO stipulations, thus not providing for any development or disturbance of the land surface associated with the leases, including establishment of wells or well pads, and construction of roads, pipelines, or power lines. Any oil or gas extracted from the leased parcels would result from well locations sited on adjacent or nearby lands and directionally drilled at angles underground. While NSO for all lease parcels could be considered, the results of impact analysis of the proposed action doesn't indicate a level of potential impacts that would necessitate the application of NSO beyond what is already required in the current land use plan (no surface occupancy within 600 feet of live water and no exploration or development activity during certain time periods to protect wildlife and habitat).

CHAPTER 3 AFFECTED ENVIRONMENT

INTRODUCTION AND GENERAL SETTING:

The proposed leases would be offered within Rich County, Utah, which is located west of the Crawford Mountains and south of Bear Lake in northern Utah. The area's elevation is 6,300 – 7,700 feet above sea level; precipitation averages approximately 10 to 15 inches at this elevation. Range sites at this location are predominantly Semi-desert Shallow Loam (Utah Juniper-Bluebunch Wheatgrass), Upland Shallow Loam (Pinyon-Juniper) and Upland Shallow Loam (Black Sagebrush). Major plant species within the analysis area include Utah Juniper, pinyon pine, black sagebrush, bluebunch wheatgrass, Nevada bluegrass and Indian ricegrass.

The affected environment of the Proposed Action and No Action alternatives were considered and analyzed by an interdisciplinary team as documented in the Interdisciplinary Team Analysis Record Checklist (Attachment 3). The checklist indicates which resources would potentially be affected to a degree that requires detailed analysis, and which resources would either not be impacted or are not present in the project area.

A cultural resources report (Attachment 4) for the Rich County parcels was prepared and forwarded to the State Historic Preservation Officer (SHPO) (Attachment 5). Based on the results of the report, a determination of "No Historic Properties Affected" was made, for which the State Historic Preservation Officer concurred.

Seven notification letters were mailed on August 8, 2007, informing the potentially affected tribes of the proposed project (Attachment 6). One letter was received from the Paiute Indian Tribe of Utah that stated they "have reviewed that material and do not have any objections pertaining to the project." No concerns were brought to BLM's attention.

Critical Elements of the Human Environment that have been considered for analysis are listed in the Interdisciplinary Team Analysis Record Checklist in Attachment 3.

Issues Considered for Detailed Analysis:

Issues identified by the BLM for detailed analysis include recreation, vegetation, visual resources, invasive/non-native species and wildlife including sensitive species.

Recreation / OHV

Two developed recreation sites are located in the project area: Little Creek Campground and Birch Creek Campground. Outside of the campgrounds, recreational use in the project area is low to moderate and primarily dispersed with activities mainly consisting of four-wheel driving, dirt bike riding, hunting and camping. Other recreational activities that may occur in the area include mountain biking, hiking, horseback riding, sightseeing, outdoor photography, nature

study, rock hounding, wildlife viewing and bird watching. Two parcels, UT1107-013 and 015 are contiguous to Birch Creek Campground, and parcel UT1107-022 is in the vicinity of Little Creek Campground.

Off highway vehicle designations in the vicinity of both campgrounds have "Limited" designation objectives due to critical wildlife range (Birch Creek CG) and unstable watershed (Little Creek CG). These designations are identified in the Randolph MFP, Rich County Motorized Vehicle Guide, USGPO 1980, 778-142. In situations where there are wet conditions, the Little Creek area may be posted as closed. Because of the critical wildlife range there is a seasonal closure for all wheeled vehicles and snow machines from November 15 to May 1 in the vicinity of Birch Creek. These limited designations allow for vehicle use on designated routes only.

Vegetation:

Vegetation resources in the vicinity of the project area are primarily dominated by Wyoming big sagebrush with scattered to common juniper and pinyon trees. The understory plants primarily consist of common variety species such as, Sandberg bluegrass, bluebunch wheatgrass, Indian ricegrass, thickspike wheatgrass, crested wheatgrass and mutton bluegrass. No federally-listed, threatened, endangered or candidate (T&E) plant species are known to occur upon the subject parcels. No plant species listed on the current BLM-sensitive plant list are known to occur upon these parcels.

Utah Division of Wildlife Resources (UDWR), Natural Heritage Program data indicate that four plant species with State rankings of S1 (tier I) occur upon some of these parcels (Electronic Mail Communication – Ben Franklin, Utah Natural Heritage Program – Dec. 2007). Starveling milkvetch – G3T3S1 and Rich bladderpod – G2G3S1 are rare, or locally rare, throughout their range according to definitions and codes for the State Natural Heritage Program. Additionally, the plains orophaca – G5S1 and the mountain daisy – G5S1 are each globally secure species, but are managed locally as rare due to limited numbers or occurrences within Utah.

Visual Resources

General land forms for the proposed parcels are rolling and rounded with moderate to steep slopes. Landscape colors include reddish brown to dark gray soil and rock outcrops and gray to green vegetation. Man-made features in the area are mostly linear and consist of bladed dirt roads, two-track roads, jeep trails, power lines and grazing allotment fences. Other structures and features in the vicinity of the project area include: corrals, cattle guards, seedings, water developments, buried telephone lines, communication sites and materials sites.

Visual resource management classifications, per the applicable land use plan – in this case, the Randolph MFP map for VRM, January 1, 1980 have been identified as follows for the project area, VRM Class II, VRM Class III and VRM Class IV. The objectives of these classifications are:

- Class II VRM objective is to retain the existing character of the landscape. The level of change to the characteristic landscape should be low. Management activities may be seen

but should not attract the attention of the casual observer. Any changes must repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape.

- Class III VRM objective is to partially retain the existing character of the landscape. The level of change to the characteristic landscape should be moderate. Management activities may attract attention but should not dominate the view of the casual observer. Changes should repeat the basic elements found in the predominant natural features of the landscape. Changes caused by management activities may be evident and begin to attract attention, but these changes should remain subordinate to the existing landscape.
- Class IV VRM objective is to allow for management activities that involve major modification of the existing character of the landscape. The level of contrast can be high—dominating the landscape and the focus of viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance, and repeating the basic elements of the characteristic landscape.

Of the 23 parcels within the project area, portions of 5 parcels would be subject to VRM Class II objectives. Portions of 15 parcels would be subject to VRM Class III objectives and portions of 14 parcels are subject to VRM Class IV objectives.

Non-native/Invasive Species:

Non-native or invasive species are present on the subject parcels as minor to moderately common components of each plant community. Management and control of invasive species is conducted with the cooperation and partnership of the State and local agencies.

Wildlife Resources Including Sensitive Species:

General Wildlife

According to best available information, there are more than 350 common wildlife species that may occur upon the subject parcels. This list includes species associated with four of the ten key habitat types identified in the Utah Comprehensive Wildlife Conservation Strategy (UDWR 2005). The key habitats upon which these parcels are mostly located include Mountain Riparian, Shrubsteppe, Lotic (flowing) Water Systems and Grassland. More than 25% of Utah has been identified as a key habitat in the State of Utah. To address this large land base and the variation among allowable disturbances in each habitat area, the State has begun a process to identify “conservation focus areas”. Full development of methodology for delineating all focus areas for each key habitat type is ongoing, but criteria for consideration typically include several relevant factors, such as current condition of the habitat, species present, current threats facing the individual habitat areas, and land ownership (UDWR 2005). The subject parcels are partially located within a focus area of the shrubsteppe habitat type and within the North Rich Utah Bird Habitat Conservation Area (Bird Habitat Conservation Area Number 6) which contains several priority habitat types including the shrubsteppe vegetative community. The myriad species of migratory birds that may inhabit the affected environment include a number of species classified

as high priority for management by Partners in Flight (PIF), as well as a number of species which are labeled as species of conservation concern as recognized by the US Fish and Wildlife Service (USFWS). The subject lands of Rich County also contain potential raptor nesting and foraging sites and some of these raptor species include: Ferruginous hawk (*Buteo regalis*), Swainson's hawk (*Buteo swainsoni*), Red-tailed hawk (*Buteo jamaicensis*), Northern harrier (*Circus cyaneus*), Golden eagle (*Aquila chrysaetos*), Cooper's hawk (*Accipiter cooperii*), sharp-shinned hawk (*Accipiter striatus*) and Northern goshawk (*Accipiter gentilis*).

Some of the migratory passerine species known or suspected to occur upon these parcels include the following (PIF high-priority species are denoted with an asterisk *):

horned lark (*Eremophila alpestris*), sage thrasher (*Oreoscoptes montanus*), Brewer's sparrow* (*Spizella breweri*), sage sparrow* (*Amphispiza belli*), vesper sparrow (*Pooecetes gramineus*), black-throated sparrow (*Amphispiza bilineata*), gray flycatcher (*Empidonax wrightii*), western kingbird (*Tyrannus verticalis*), green-tailed towhee (*Pipilo chlorurus*), northern mockingbird (*Mimus polyglottos*), western meadowlark (*Sturnella neglecta*), and Say's phoebe (*Sayornis saya*). In addition, a substantial raptor migration corridor lies over the Crawford Mountains mostly to the east of these parcels.

Big Game

According to big game habitat maps from UDWR, and based on coordination discussions with the Utah Division of Wildlife, the subject parcels contain crucial habitats for four big game species (mule deer, pronghorn, elk and moose). There are no important migration corridors or routes identified in the vicinity of these subject parcels. The following table depicts total acreages associated with the subject parcels that falls within each of the crucial habitat types. The table also presents the total locally available crucial habitat depicted for each big game species. This information is extrapolated from UDWR habitat information and is visually presented on maps within Attachment 8.

	Acres of Crucial Range within Lease Parcels by species and habitat and range type	Total Available Acres of Crucial Ranges by species*
Mule deer crucial winter range	31,294	212,845
Mule deer crucial summer range	10,864	4,075,232
Moose crucial winter range	15,974	223,369
Moose crucial summer range	19,339	900,406
Pronghorn crucial year-long range	11,225	27,589
Elk crucial winter range	3,085	90,298
Elk crucial summer range	26	707,638

* Acres within the entire crucial range polygon that is potentially affected.

Special Status Species

The subject parcels have all been reviewed for presence of T&E species, BLM-sensitive species and UDWR-sensitive species, and their potential habitats. A summary of special status species and habitat presence is provided in Table 2 of the biological evaluation/wildlife staff report (see

Attachment 7). This table summary provides the basis for the following discussion of special status species.

Canada Lynx:

Portions of parcel UT1107-003 contains marginal habitat for the Canada lynx (*Lynx canadensis*). There are no mapped habitats for the snowshoe hare on these parcels indicating a lack of suitable foraging or denning habitat for Canada lynx. Limited habitats available to the species include some transitional habitat. Similar habitats also occur immediately adjacent to the parcel (see Attachment 7). There are no known or historical occurrences of lynx on or adjacent to the subject parcels.

Black-footed Ferret:

There are no known current or historical occurrences of the black-footed ferret (*Mustela nigripes*) on the subject parcels. However, potential black-footed ferret habitat or potential reintroduction sites may exist on a few of the parcels (Attachment 7). White-tailed prairie dog colonies, or towns, are the preferred habitat for black-footed ferret. In fact, the species is so specialized to live in these areas, that they are obligated to use them for their own survival. For clarification of where known and potential white-tailed prairie dog habitats occur currently, refer to the map of current habitats in relation to the subject lease parcels in Attachment 8.

Pygmy Rabbit:

The pygmy rabbit is a Wildlife Species of Concern in Utah. In 2003, the pygmy rabbit was petitioned for listing under the Endangered Species Act (ESA); however, USFWS found the petition did not provide substantial information to list the species on the ESA (USFWS 2005). On May 20, 2005, USFWS published a non-substantial 90-day finding in response to an April 1, 2003, petition to list the pygmy rabbit (70 FR 29253). On September 26, 2007, the United States District Court for the District of Idaho issued a judgment and memorandum order in response to a March 28, 2006 complaint stating USFWS improperly imposed a higher standard when it reviewed the petition, and therefore found USFWS acted in a manner that was arbitrary and capricious and contrary to the applicable law. The court remanded the May 20, 2005, 90-day finding and required USFWS to issue a new 90-day finding on or before December 26, 2007. On January 8, 2008, USFWS published its intentions to initiate a new status review for this species (73 FR 1312).

Pygmy rabbits (*Brachylagus idahoensis*) have been documented throughout Rich County and a number of other parts of Utah. Pygmy rabbits are usually found in areas of deep, friable soils that are suitable for creating their own burrow systems. These sites generally support basin big sagebrush and may be associated with meadows or former meadows. Stands of Wyoming big sagebrush are also utilized, again often in proximity of riparian areas. The primary food source in winter for the pygmy rabbit is sagebrush. Grasses and some forbs are more important in the summer. Pygmy rabbits dig their own burrows and spend the majority of their lives within 30 meters of their burrows (UDWR 2003b).

Approximately 40% of the proposed leases contain documented pygmy rabbit occurrence based on recent inventories conducted to date by the UDWR. See maps of known pygmy rabbit habitats in relation to the subject lease parcels in Attachment 8.

Sage Grouse:

The subject parcels contain important habitats for the greater sage-grouse (*Centrocercus urophasianus*). The greater sage-grouse is a BLM-Sensitive species and a UDWR Wildlife Species of Concern. Today, sage-grouse are found in 26 of Utah's 29 counties (including Rich County) and are thought to occupy some 50 percent of their historic habitat (UDWR 2002). In Utah, sage-grouse inhabit suitable sagebrush habitats from 6,000-9,000 feet in elevation (UDWR 2002). Rich County contains one of the largest sage-grouse populations in Utah (UDWR 2002). See maps of important seasonal sage-grouse habitats in relation to the proposed lease parcels in Attachment 8. There are approximately 22 active leks and 11 inactive leks within Rich County. Two inactive leks were recorded by UDWR in 1999-2000 within the proposed lease parcels. The leks are traditional breeding areas where males congregate to display each spring. Nesting and brooding rearing habitat is generally concentrated in suitable habitats within a two mile radius of the leks and protection of brooding/summer use areas is an important aspect of sage grouse management. Brood rearing habitats consist of upland sagebrush areas adjacent to riparian meadows. In the Rich County area, sage-grouse mostly utilize sagebrush and limited desert scrub vegetative communities, especially where big sagebrush (*Artemisia tridentata*) occurs. All of the proposed leases overlay crucial habitats for sage-grouse in UDWR-designated crucial value brooding, wintering and summer ranges (see Attachment 8).

Bonneville Cutthroat Trout:

The Bonneville cutthroat trout (*Oncorhynchus clarki utah*) is a species of concern in Utah and this species does have suitable habitat present on a number of the parcels included in the sale (see Attachment 7). The species is currently managed under the *Range-Wide Agreement and Strategy for Bonneville Cutthroat Trout* (UDWR 2000). The primary management goal under the strategy is to ensure long-term existence of Bonneville cutthroat trout within its historical range by coordinating conservation efforts among states, tribal governments, Federal management agencies, and other involved parties.

Burrowing Owl:

The burrowing owl (*Athene cunicularia*) is a relatively uncommon species in Utah. The subject parcels are located in primary and secondary breeding habitats for the species and particularly with the presence of white-tailed prairie dogs, burrowing owls are a likely summer resident in this area. No burrowing owls are expected to occur on the parcels from 1 November to 14 March. A lease notice referring to the need for surveys to be conducted for proposed actions between 15 March and 31 October would be attached to the affected parcels.

CHAPTER 4 ENVIRONMENTAL IMPACTS

Introduction:

This chapter discusses the environmental consequences of implementing the proposed action or alternative, as described in Chapter 2. The environmental effects are analyzed for the resource topics presented in Chapter 3 that were carried forward for analysis. Other resources and issues considered, but not carried forward for further analysis are each discussed in Attachment 3, the Interdisciplinary Team (IDT) Analysis Record Checklist. Please refer to this checklist for rationale in determining which resources or issues the IDT carried forward for in-depth analysis.

For the purposes of analysis, the potential impact area of the proposed action is the 23 parcels located in Rich County. This assumption is also premised on the predictive nature of the Reasonably Foreseeable Development (RFD) for the entire planning area. The planning area RFD, as outlined in the Bear River East Amendment Plan (1994), projects that one drill pad would be developed per year and would disturb 6.8 acres, including access, one production well would be developed in 20 years and the total annual disturbance associated with oil and gas would be 40.4 acres. This RFD is still valid today for this planning area as the area has only moderate potential for presence of oil and gas in developable quantities and has seen a low level of exploration and development. Using this foreseeable development scenario as a basis for considering potential impacts leads BLM to the following analysis assumptions.

If all 40.4 acres of disturbance were to occur in a given year upon these subject parcels alone, thereby precluding the likelihood of impacts on any other area within the planning area, the total acreage of disturbance would comprise less than 0.1% of the total leased acreage. Likewise, if all predicted surface disturbances for the entire planning area over the next 20 years were to occur upon these parcels alone, those disturbances would total approximately 808 acres, or about 2% of the surface acres associated with these subject parcels. Given that standard leases typically expire in a period of 10 years without being held by production or unitization, lands leased would likely only be subject to about half of this predicted disturbance value.

For the purposes of this EA, the BLM assumes the most conservative approach and bases its analysis on the premise that all predicted surface disturbance from the RFD scenario in the planning area would occur upon these subject parcels during the life of the leases.

Recreation / OHV:

Leasing of the parcels could result in some impact to recreational use in the project area. Recreational use in Little Creek Campground could be minimally affected because the closest parcel to the campground (UT1107-022) is approximately three miles away and, depending upon the placement of the drill structure, could be even farther away. Birch Creek Campground could be affected more by oil and gas activity than Little Creek Campground. It is not expected that recreational activity experiences within Birch Creek campground would change much, as the area immediately around the campground is VRM Class II, and it is unlikely that oil and gas drill rigs and supporting facilities would be placed next to the campground. Gaining access to the

Birch Creek campground could be impacted because several lease parcels would also utilize the same route (State Road 39). However, access to most parcels could be mitigated by the establishment of primary roads several miles from the campground which would limit the exposure recreationists would have with oil and gas activity.

Dispersed recreation in the project area could also benefit through access into previously un-accessed areas by oil and gas activity.

Vegetation:

Surface disturbance associated with any development proposal would result in the removal of surface vegetation. Interim and permanent reclamation would be conducted as part of any approval of future development actions on the leases and would be properly conditioned to meet desired specifications of the surface manager. This provision is included in section 6 of the standard lease form (Form 3100-11). In order to achieve the objectives for final reclamation, all surface disturbance proposals would include the implementation of appropriate Best Management Practices (BMPs) and other management techniques for maintaining soil condition and quality watersheds that allow for reestablishment of vegetation following reclamation. BMPs and other measures for soil maintenance and successful reclamation can be reviewed in Chapter 6 of the *Surface Operating Standards and Guidelines for Oil and Gas Exploration and Development – “The GOLD Book”*. This document is widely available through the BLM and on-line at www.blm.gov. Given the low level intensity of exploration and the general lack of potential for widespread development in the planning area, impacts to vegetation resources on the subject parcels would be expected to be minimal.

Visual Resources:

Leasing the parcels could result in some impacts to visual resources if exploration and development affected visual resources in particular locations. The colors and linear and geometric forms of drilling rig structures, equipment and facilities could create moderate to strong contrasts with the characteristic landscape. Disturbance and/or removal of vegetation could cause moderate to strong color contrasts.

For the portions of 14 parcels located in Class IV VRM areas, these strong contrasts would be consistent with VRM objectives for that class. For the portions of 15 parcels located in Class III areas, some mitigation measures such as the utilization of vegetative and topographical screening during the placement of drill rigs and supporting facilities would allow exploration and development activities to be consistent with VRM objectives for that class. For the portions of five parcels located in VRM Class II areas, oil and gas activity could be inconsistent with VRM Class II objectives, if those facilities are placed within the portion of the lease within VRM Class II. However, since none of the parcels are entirely within VRM Class II, these parcels can be accessed through those portions of the parcels that contain VRM Class III and VRM Class IV objectives and with potential for directional drilling, VRM Class II objectives could be met.

Non-Native/Invasive Species:

Exploration and development activities could result in spread of non-native, invasive species and noxious weeds. BLM would control the spread of invasive and non-native through the application and implementation of appropriate BMPs, conditions of approval and other mitigation practices on a case-by-case basis. Standard BMPs for the control of non-native or invasive species can be reviewed in the *Gold Book*. Successful management and control can also be accomplished by treating areas where invasive species are known to become established such as, along roadways, on the margins of well pads and adjacent to other facilities before they are able to spread further. Common conditions of approval to minimize the potential for spread of noxious weeds include the cleaning and sanitization of field equipment brought in from other regions and require maintenance of employee vehicles and personal equipment to prevent importation of noxious weeds and other non-native invaders.

To ensure compliance with Executive Order 13112 (Invasive Species), noxious weeds would be addressed on all parcels through Lease Notice UT-LN-41. The operator would be responsible for prevention and control of noxious weeds and weeds of concern on all areas of surface disturbance associated with exploration, development and production. Use of pesticides would comply with applicable Federal, State, and local laws. Pesticides would be used only in accordance with their registered uses and within limitations imposed by the Secretary of the Interior.

In the case of this proposed action, invasive and non-native species are not likely to have any substantive impact due to the very low intensity of planned disturbance expected in the planning area. Construction of one individual well per year with total disturbance values less than 7 acres is not likely to result in the increased spread of noxious weeds or other invasive or non-native species in this region.

Wildlife:

The 1980 BLM Randolph Management Framework Plan and the 1994 Bear River East Management Framework Plan Amendment provide for lease stipulations to minimize impacts to wildlife and other surface resources. Protections include those for threatened and endangered species, BLM-sensitive species and other species of concern. A summary and description of sensitive wildlife species and habitats present on each parcel is contained in the December 2007 biological evaluation (Attachment 7). Additionally, each area would be further evaluated in site-specific detail upon receiving any NOI or APD.

General Wildlife:

Oil and gas exploration and development could affect wildlife resources in a variety of direct and indirect ways. Using information gathered from conducting oil and gas exploration and development activities elsewhere in the State, coupled with documented observation of environmental consequences of habitat alterations, sufficient information exists to programmatically assess the potential impacts of exploration and development on these lease parcels.

Environmental effects of the proposed action are likely to be similar to other surface and habitat disturbing activities that affect aquatic and terrestrial species of wildlife. While each species would respond differently to various activities, impacts can be generally categorized into six categories: 1) direct loss of habitat; 2) physiological stress; 3) disturbance and displacement of individuals or populations; 4) habitat fragmentation; 5) introduction of competitive or non-native organisms; and, 6) secondary effects and indirect habitat loss, including sedimentation or other loss of habitat functionality.

In accordance with 43 CFR 3162.5-1(a) and Section 6 of the standard lease form (Form 3100-11), the "Lessee shall conduct operations in a manner that minimizes adverse impacts to the land, air and water, and to cultural, biological, visual, and other resources, and other land uses or users. Lessee shall take reasonable measures deemed necessary by lessor to accomplish the intent of this section."

This provision gives the BLM authority to condition any subsequent approval with reasonable protection measures necessary to reduce or mitigate impacts to wildlife and their habitats. For an initial list of commonly used standardized measures and protective methodologies, please review the previously referenced "*Gold Book*" (BLM 2006). The incorporation of Best Management Practices and other commonly used avoidance, minimization and mitigation measures in site-specific proposals would be expected to sufficiently protect the general wildlife species and key habitats that are found on the subject parcels. Some of these commonly used measures and approval conditions include realignment of access routes to avoid sensitive habitat or maintain soils, movement of proposed well pads away from sensitive habitat, use of sediment barriers or other techniques including proper engineering to avoid watershed damage or sedimentation concerns, standard surface use adjustments like spatial restrictions or timing delays in order to avoid disturbance within migration areas or during sensitive seasons, and application of standard protections such as buffers around nests, leks, wetlands, or other important habitat areas to avoid impacts. Other measures not included here, but that would be used to address impacts that can only be identified at the site-specific implementation stage, are also likely. These measures would be implemented to protect surface resources while developing mineral resources in an environmentally sound manner.

Once oil and gas activity ceases, displaced individuals and populations of general wildlife would likely return to the area. Some habitat specialists, such as sagebrush obligates, would likely return more slowly as functionality of the habitat is restored through regeneration and re-growth of native sagebrush stands or other habitat types. Because a large percentage of the area consists of sagebrush habitat, it is important to note that current estimates would suggest 20-30 years may be necessary to achieve final reclamation/regeneration of functional habitat on that precise location.

Potential impacts to raptors from oil and gas exploration and development activities include disrupted activity during the breeding and nesting season, fragmentation of foraging habitats, displacement from habitats from noise, traffic, human presence and the increased potential for electrocution on power lines or collisions with vehicles. Disturbance, even once during the nesting period, could cause some of the more sensitive individuals of a given species to abandon a nest. The likelihood of disturbing nesting raptors as a result of this proposed action is minimal,

based on the low predicted level of oil and gas exploration and development activity, and the ability to avoid impacts during these critical periods. Avoidance would be accomplished through the observance and use of Utah BLM raptor BMPs and the consideration of timing restrictions consistent with recommendations in the Utah Field Office Raptor Guidelines for Human and Land Use Disturbances (USFWS 2002) for any permit approval. Additionally, construction of any power line would necessarily conform to the recommendations found within the *Suggested Practices for Avian Protection on Power Lines* (APLIC 2006). Suggested practices include the use of anti-perching devices to discourage perching. Anti-perching devices are a common occurrence within Rich County and raptors appear to have grown accustomed to their use by avoiding these poles as perches. A lease notice would be added to appropriate parcels to protect identified raptor habitats.

Potential impacts to big game species on crucial winter ranges would be negligible due to protections provided through stipulation number 7 (UT-S-07, Important Seasonal Wildlife Habitat) in the Special Stipulations section of the Bear River East Plan Amendment (see Attachment 1). Of all the big game animals present in the leasing area (mule deer, elk, moose and pronghorn antelope), elk are typically the most sensitive or intolerant of human activity and presence. Oil and gas activity in crucial habitats may displace individuals from these preferred habitat areas from increased levels of visual (individuals actually seeing humans), noise or traffic related disturbances. Additional impacts from vehicle collisions could occur in areas where increased traffic result. The following table represents the percentage of important habitats for each of the big game species located within the proposed lease parcels and also displays the percentage of habitat potentially disturbed by direct disturbance using the very conservative analysis assumption that all projected disturbance for the entire planning area could occur upon these subject parcels.

Table 4.1 – Percent Crucial Ranges Present or Potentially Disturbed Over the Life of the Lease

Big Game Species	% of locally available Crucial Range within Proposed Lease Parcels	Approximate % of locally available Crucial Range that would be potentially affected by direct disturbance from O&G exploration or development, (Based on analysis assumption)*
Mule deer crucial winter range	15.0%	0.19%
Mule deer crucial summer range	0.3%	0.01%
Moose crucial winter range	7.2%	0.2%
Moose crucial summer range	2.1 %	0.05%
Pronghorn crucial yearlong range	40.7%	1.5%
Elk crucial winter range	3.4%	0.45%

Big Game Species	% of locally available Crucial Range within Proposed Lease Parcels	Approximate % of locally available Crucial Range that would be potentially affected by direct disturbance from O&G exploration or development, (Based on analysis assumption)*
Elk crucial summer range	.004%	0.06%

* *Locally available* refers to the entire mapped acreage of available habitat or within the crucial range polygon mapped by Utah Division of Wildlife Resources for the species in question. These polygons and their measurement of area go beyond the boundaries of Rich County, Utah.

Where crucial habitats have been identified for big game outside of the winter season by the Utah Division of Wildlife Resources (i.e., summer and year-long range), impacts are likely to be minimal. This determination is based on the predicted low level of intensity for exploration and the general lack of potential for widespread development within these habitats. Additionally, habitats identified outside of the crucial winter season are not considered lacking in Rich County (see BLM Meeting/Coordination with UDWR December 2007). That is to say, these habitats are not limiting population size, viability, or survival of the current populations of big game in this area. All important seasonal restrictions necessary to protect calving and fawning habitats can be accommodated by the 200 meter and 60 day delay rules available to BLM pursuant to 43 CFR 3101.1-2. Minor disturbances conducted outside of critical time frames within these parcels would not likely result in any measurable impact on big game species of Rich County. Therefore, the proposed action would not have substantive impacts on big game populations, hunting or other non-consumptive wildlife-related recreational uses of the area.

Based on the above analysis, impacts of the proposed action for general wildlife, including big game, raptors, migratory birds, and other species which do not have special status, would be minimal. This determination is based on application of the protective measures as discussed for these resources, the predicted low level intensity of exploration and the general lack of potential for widespread development in the area.

Special Status Species:

All special status species present on these parcels could experience similar impacts to those described for general wildlife. The following analysis applies specifically to those special status species currently identified as having suitable habitat or known occurrences on the subject parcels. The analysis may apply more broadly for other sensitive species that have similar life histories or habitat needs as these specifically mentioned here. If additional sensitive species are identified on the subject parcels when future exploration or development is proposed, impacts and appropriate mitigation would likely be very similar to that described below, for these species.

Canada Lynx:

None of the parcels occur within the current known distribution of Canada lynx. Some mapped, potential transitional habitat is mapped adjacent to three parcels (Attachment 7). Fragmentation of these marginal travel habitats may occur in areas where exploration and development are proposed in unfragmented stands. Extensive disturbances in these areas, although not anticipated based on the development potential of the area, would leave the habitat less functional or could

render these travel corridors non-functional, further fragmenting the species' limited habitat. Minimization and avoidance measures included in the Canada lynx lease notice would reduce the likelihood of adverse impacts on this species, and would protect habitat to maintain functionality as travel habitat. The USFWS has been consulted as to the application of the Canada lynx T&E lease notice, and has provided concurrence with a *Not Likely to Adversely Affect* determination under provisions of Section 7 of the Endangered Species Act (USFWS 2007). Additionally, all appropriate BMPs would be required as Condition of Approval (COAs) for particularly sensitive habitat areas on a case-by-case basis to ensure continued maintenance of functional travel habitats for the species.

Black-footed Ferret and White-tailed Prairie Dog:

None of the parcels occur within the current known distribution of the black-footed ferret. The habitats and populations of white-tailed prairie dogs on these parcels would be managed according to stipulations found in the guiding land use plan and Amendment (see Attachment 1). Because the black-footed ferret is a habitat specialist, obligated to live in the colonies of the prairie dog, this restriction would provide substantial protection for both species. Avoidance would reduce or minimize habitat loss for both the white-tailed prairie dog and the black-footed ferret. No undue fragmentation of habitats would occur and proper management according to the guiding land use plan would result in avoidance of any direct disturbance to prairie dog towns that would potentially destroy the town. Based on the protections provided each of these species and the application of the T&E lease notice for black-footed ferrets, the proposed action is *Not Likely to Adversely Affect* the black-footed ferret and impacts to the white-tailed prairie dog would be minimal. USFWS programmatic concurrence has been provided over this consultation effort (USFWS 2007).

Pygmy Rabbit:

Pygmy rabbits are particularly subject to habitat fragmentation concerns. Direct impacts from exploration and development activities are not likely in this case, given the small home ranges of pygmy rabbits and the ability to move proposed disturbances 200 meters pursuant to 43 CFR 3101.1-2. To minimize the indirect impacts of habitat fragmentation, a lease notice would be attached to parcels requiring that survey/inventory of all areas proposed for disturbance be conducted prior to construction (see Attachment 1). Surveys would potentially allow for avoidance of occupied habitats (burrows) for the species. Based on the predicted low level of exploration and development in the planning area and BLM's authority to move operations out of sensitive habitats, potential for impacts to this species would be minimal.

Sage-grouse:

Oil and gas exploration and development activities could impact breeding, nesting, and brood-rearing habitat for sage grouse by removal of vegetation and disturbance of important habitat areas during construction. Lease stipulations, applied to affected parcels, would protect important sage grouse breeding, nesting and wintering habitats, particularly if approved in cases where potential activities would occur during these crucial seasons. Nesting and brood rearing habitat is generally concentrated in areas of suitable habitat near an associated lek. Protection of nesting and brood rearing habitats is one of the most important aspects of sage-grouse management and the stipulations provide for management and protection of these habitats (see

Attachment 1). Behavioral activities associated with leks, nesting, and brood rearing habitats can be disrupted either by surface disturbance or drilling activities. Absent the stipulations, expected impacts would include the displacement of birds from these important habitats, loss of productivity as a result of loss of habitat functionality and potential loss of additional populations of the species. Minimization, avoidance and mitigation of these types of impacts would be accomplished through observation of timing restrictions during the critical seasons during breeding and brood rearing found in the stipulations as well as any necessary conditional restrictions that would suspend activity during important wintering activities. The application of sage-grouse specific BMPs including those that reduce surface disturbance by using drilling techniques that call for less initial surface disturbance and use interim reclamation would reduce fragmentation of large blocks of contiguous habitat. This is accomplished by using innovative construction techniques or moving outside of habitat entirely. BMPs could also reduce likelihood of predation from raptors through use of low profile tanks or siting of facilities outside of key habitats entirely. The individual BMPs and appropriate conditions of approval that effectively mitigate site-specific impacts must be identified, evaluated, and applied individually at the site-specific, implementation level on a case-by-case basis to be most effective. That said, the application of stipulations found in Attachment 1 that provide protection for these key habitats would be attached to the subject parcels to allow for the effective management of sage-grouse and their habitats. Given the predicted, low level of disturbance to habitat of this species, the stipulated protections provided, and the ability to site-specifically mitigate or preclude impacts as described, the proposed action would not substantially impact the greater sage-grouse in Rich County or northern Utah.

Bonneville Cutthroat Trout:

Impacts to this species and other sensitive aquatic species would be negligible due to the application of stipulation that precludes disturbance within 600 feet of live water (see Attachment 1). This set-back is sufficient to minimize or preclude all direct impacts to the habitats of the Bonneville cutthroat trout and other aquatic species. Impacts of disturbance for aquatic species are typically the result of increased sediment loading, introduction of toxic materials into the system or hydrologic changes that affect habitat. The stipulation for 600 foot setback would effectively preclude or minimize impacts to the riparian zone and would allow for mitigation or avoidance of issues like sediment loading or any potential for spilled toxicants introduced into the stream. Based on the avoidance measures applied through stipulations of the land use plan, no impacts are likely to occur to this species or its habitat as a result of the proposed action.

Burrowing Owl:

The burrowing owl is a relatively uncommon resident of the sagesteppe habitats that make up the majority of the habitats in Rich County, Utah. The species could occur on any of the subject parcels and lease notices would be attached to all parcels identifying the need to conduct preconstruction surveys for this and other sensitive species as part of any exploration or development proposal. Once presence/absence is determined, avoidance measures could be applied to reduce likelihood of impacts to the species. Avoidance of 200 meters from the nest burrow would be sufficient protection for this species (USFWS 2003) and would minimize the likelihood of any substantial impact to the species. Given the low probability of any impacts to

individuals of this species and the commonality of occurrence locally, no substantial impacts are expected as a result of the proposed action.

Special Status Species Summary:

Directives, including Washington Office Instruction Memorandum (IM) 2002-174, have been issued that clarify existing oil and gas lease stipulation policy and provide additional guidance in regard to the use of stipulations and notices for threatened, endangered, and other special status species. The referenced ESA stipulation of IM 2002-174 communicates BLM's retained authority to modify or deny lease activities pursuant to nondiscretionary statutes. Thus BLM would require specific lease stipulations on oil and gas leases where these species or their habitat is known or strongly suspected. This stipulation would be attached to all offered leases in the oil and gas lease sale and would allow for modifications to existing management decisions relating to threatened, endangered or special status species as necessary and established through any subsequent environmental analysis.

NO ACTION

Under the No Action alternative, as described in this EA, the 23 parcels would not be offered for lease. There would be no additional impacts to natural resources from oil and gas activities on the subject parcels. There would be no opportunity to explore for and potentially develop oil and gas resources on these subject parcels and therefore, the types of impacts described in the proposed action would not result from oil and gas activities. As described previously, the No Action alternative would be inconsistent with the objectives and goals of the existing land use plan and amendment decisions which provided for oil and gas leasing in Rich County.

MITIGATION

Mitigation of the proposed action would be managed using a sequential approach. The BLM would first emphasize the avoidance of impacts. Second, the BLM would focus on minimizing potential impacts. Finally, the BLM would work with operators to identify mitigation of unavoidable impacts as a final measure toward effective management of surface resources.

Site-specific measures for avoidance, minimization and mitigation of foreseeable impacts would be outlined and addressed at a site-specific scale once a proposal is received. Measures and practices applied as conditions of approval to any subsequent exploration or development action would be developed and evaluated under NEPA on case-by-case basis in order to maximize the protective nature of the measures and allow for appropriate recovery of mineral resource in an environmentally sound manner.

For the purposes of this proposed leasing action, identification of the potential impacts and likelihood of their occurrence has resulted in the application of each of the protective stipulations and lease notices that would effectively minimize the potential for any substantive impacts to occur. Attachment 1 displays the stipulations and notices that would be attached to each lease parcel. The determination that all mitigation would be effective is based on the review of the stipulations to be applied and the protective nature of each measure for each of the identified

resources of concern. The attachment of appropriate lease notices has also been evaluated where additional, site-specific protective measures may be necessary for subsequent proposals. Upon consideration of these notices and the referenced measures that would effectively address foreseeable impacts, it is determined that all necessary measures would be within the terms of the lease and pursuant to 43 CFR 3101.1-2 (i.e., "60-day, 200 meter rule"). Therefore, given the best available information and the information available in Attachment 1, for all identified resources of concern, it is determined that measures available to BLM would allow for effective management and protection of those surface resources present on these parcels.

It is important to note that once a lease is issued, the BLM would retain authority to modify or deny lease activities pursuant to all provisions of the standard lease form (3100-11) and all nondiscretionary statutes such as the Endangered Species Act of 1973, as amended and the National Historic Preservation Act of 1966, as amended. Pursuant to BLM policy as outlined in IM 2002-174 (May 21, 2002) and IM 2005-03 (October 5, 2004), the following two lease stipulations would be attached to all lease parcels:

"The lease areas may now and hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that would contribute to a need to list such species or their habitat. BLM may require modifications to approve or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM would 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."

"This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, E.O. 13007, or other statutes and executive orders. The BLM would 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."

CUMULATIVE IMPACTS

Cumulative effects are those determined by adding the incremental impacts of an action to other past, present, and reasonably foreseeable future actions in the cumulative impact analysis area (CIAA). The CIAA varies by resource. Cumulative effects can be identified both quantitatively and qualitatively, by magnitude of single actions, by the number of single actions combined, and by a time period in which the actions occur and have an effect on the environment. For the purpose of this analysis the following reasonably foreseeable activities include:

- The BLM SLFO is currently in communication with private landowners, DWR, and other interested parties developing further opportunities for land treatments to enhance watershed, riparian, and wildlife habitats. Approximately 85,000 acres could receive beneficial vegetation treatment or retreatment over a 20-year period. Treatments include, but are not limited to, prescribed fire, mechanical or chemical treatments, or prescribed grazing.

For the purpose of this analysis, the reasonable foreseeable future is one well per year for an average disturbance of 6.8 acres per year. The total surface disturbance values for the purpose of this analysis, as in the case of the analysis of direct and indirect impacts, would occur over a 20-year period and would be approximately 808 acres.

The primary cumulative impact is the potential for minor losses of vegetation and wildlife habitat functionality. Secondary impacts include potential impacts to recreation and/or visual resources.

Recreation:

During oil and gas development, operations could reduce the quality of recreational experiences in adjacent and nearby areas. Also, reduction in public access could limit recreational use of the area. Upon reclamation, recreation activities could be restored to previous levels although access may continue to be restricted in areas that have not been successfully reclaimed. Also, any roads not reclaimed or only partially reclaimed could continue to be used by recreationists.

Other cumulative impacts within the area could include an increase in unauthorized motorized vehicle routes resulting from the construction of access routes to oil/gas wells. These unauthorized routes could result from cross country use for game retrieving or other recreational activities because constructed roads for gas/oil development would allow for access into areas not previously accessible by motor vehicles.

Vegetation:

Over the next 20 years vegetation treatments would focus on maintaining vegetation resources within desired management objectives. This includes appropriate watershed protection while sustaining multiple use values. Vegetation treatments, that are typically designed for wildlife habitat improvements would occur on approximately 85,000 acres. The incrementally additive impact to vegetation as a result of the proposed action would not substantively reduce the value of these treatments or increase the likelihood of any negative impacts to vegetation in the CIAA.

Visual Resources:

Residual impacts on visual resources could remain for twenty or more years following cessation of operations and reclamation until native vegetation is completely reestablished on the parcels. Areas where reclamation is not complete or successful would continue to contrast with visual resources. Any evidence of reclaimed roads may invite continued use by the general public, thereby perpetuating linear intrusions in the characteristic landscape.

Wildlife:

Cumulative impacts to general wildlife species would include increased potential for wildlife and vehicle collisions caused by increased traffic levels in areas of exploration. Additionally, some

loss of habitat function would undoubtedly occur within proximity of disturbance, but this habitat loss would be very temporary in nature in a cumulative sense, due to the increased habitat values nearby from a planned 85,000 acres of treatment that would result in habitat enhancements for each of the species of concern. The additive nature of this proposed action, based on the past, present and foreseeable future actions listed, would not substantively impact general wildlife or special status species in the CIAA.

Summary of Cumulative Impact Discussion:

Due to the low level of anticipated oil and gas exploration activity, the impacts of the proposed action would represent a negligible level of adverse impact to resources that could potentially be impacted either directly or indirectly. Required stipulations, approval conditions for subsequent actions and referenced mitigation measures would be focused on avoidance and minimization of these nominal impacts. Additionally, all mitigation measures and reclamation standards would be focused on the restoration of any lost or diminished resource values such as, vegetation, wildlife habitat, recreational opportunity, and visual resources once any subsequent action is completed. Therefore, no substantive cumulative impact would occur as a result of the proposed action.

CHAPTER 5 PERSONS, GROUPS, AND AGENCIES CONSULTED

List of Persons, Agencies, and Organizations Consulted

Name	Purpose & Authorities for Consultation or Coordination	Findings & Conclusions
Confederated Tribes of the Goshute Reservation, Band of Skull Valley Goshute Indians, Northwest Band of Shoshone and Te-Moak Tribe of the Western Shoshone Indians.	Consultation as required by the American Indian Religious Freedom Act of 1978 (42 USC 1996) and NHPA (16 USC 470).	A notification letter was mailed 8/08/07 informing the following tribes of this project. Follow-up telephone calls were made. Only one response from one of the tribes was received.
State Historic Preservation Officer.	Consultation for undertakings, as required by the National Historic Preservation Act (NHPA) (16 USC 470)	No Historic Properties were identified for this project. A finding of No Historic Properties under NHPA was forwarded to the SHPO. The SHPO concurred with the No Historic Properties affected determination (9/6/07).
Utah Division of Wildlife Resources	Wildlife Coordination	<p>Meeting was attended 12/17/07 to discuss need for Utah Division of Wildlife Resources to express any concerns over habitats or species present on subject lease parcels (Attendees were Chris Keefe of the Utah State Office of BLM and Bill James of UDWR).</p> <p>Response received on 12/20/07 from Natural Heritage Program (Ben Franklin email) regarding plant species. Information was incorporated in the analysis. Other information incorporated was received via subsequent telephone conversations with Bill James of UDWR. This information did not result in need for additional stipulations or measures to effective manage habitats of concern.</p>
U.S. Fish and Wildlife Service	Endangered Species Act Section 7 Consultation	Programmatic consultation effort completed Dec. 2004 and reinitiated in 2006 to add Canada lynx.

Notice of the preparation of this EA was posted on the Electronic Notification Bulletin Board on January 4, 2008.

References

- APLIC 2006 – Avian Power Line Interaction Committee (APLIC) 2006. *Suggested Practices for Avian Protection On Power Lines: State of the Art in 2006*. Edison Institute, APLIC and the California Energy Commission. Washington D.C. and Sacramento, CA.
- UDWR 2000 – *Range-wide Conservation Agreement and Strategy for Bonneville Cutthroat Trout (*Oncorhynchus Clarki utah*)*; State of Utah, Division of Wildlife Resources; December, 2000; Publication Number 00-19.
- UDWR 2002 – *Strategic Management Plan for Sage-grouse*; State of Utah, Division of Wildlife Resources; June 11, 2002; Publication Number 02-20.
- UDWR 2003 – *The Pygmy Rabbit Worksheet*; State of Utah, Division of Wildlife Resources; April 2003.
- UDWR 2005 – *Utah Comprehensive Wildlife Conservation Strategy, Effective October 1 2005 - 2015*; State of Utah, Division of Wildlife Resources, Janet Sutter, Matthew Andersen, Kevin Bunnell, Michael Canning, Alan Clark, Dana Dolsen, Frank Howe; Publication Number 05-19;
- USFWS 2003 – *Status Assessment and Conservation Plan for the Western Burrowing Owl in the United States*; US Fish and Wildlife Service; Biological Technical Publication; BTP-R6001-2003,
- USFWS 2007 – USFWS Communication; ESA Letter of Concurrence, Dated December, 2004 and April 2007, US Fish and Wildlife Service; Consultation for Utah Bureau of Land Management, T&E Lease Notices;

List of Preparers

Name	Title	Responsible for the Following Section(s) of this Document
Larry Garahana	Geologist	Minerals/Leasing
Mike Gates	Rangeland Management Specialist	Soil, Vegetation, Riparian & Grazing
Laird Naylor	Archaeologist	Cultural and Native American Consultation
Pam Schuller	Environmental Specialist	ACEC, NEPA and Planning
Mike Nelson	Realty Specialist	Lands/Access
JuLee Pallette	Outdoor Recreation Planner	Recreation, OHV and VRM.
Gary Kidd	Rangeland Management Specialist	Weeds
Holly Roberts	AFM	Biology
Chris Keefe	Biologist, Utah State Office	Wildlife
George Diwachak	Environmental Scientist, Utah State Office	NEPA

Attachments

- 1 –List of Parcels with Existing Stipulations & Additional Notices
- 2 – Map of Parcels
- 3 – Interdisciplinary Analysis Record Checklist
- 4 – Cultural Report
- 5 – SHPO Correspondence
- 6 – Tribal Correspondence
- 7 – Biological Evaluation
- 8 – Wildlife Maps
- 9 – Recreation and VRM Report

Attachment 1 – List of Parcels with Existing Stipulations & Additional Notices

Attachment 1

List of Parcels with Existing Stipulations & Additional Notices

UT1107- 001

T. 10 N., R. 6 E., Salt Lake
Sec. 1: Lots 2-4, S2NW, NWSW;
Sec. 11: SENE, SESW, SE;
Sec. 12: W2NE, S2NW, S2;
Secs. 13, 14: ALL.

2,244.75 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SENE, E2SE of Sec. 11 and the SWNW of Sec. 12. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage-grouse winter habitat, exploration, drilling, and other development activity in the SENE, E2SE of Sec. 11; SWNE, S2NW, S2 of Sec. 12; Sec. 13 and E2NE of Sec. 14 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage-grouse breeding and nesting habitat, exploration, drilling, and other development activity in the SENE, E2SE of Sec. 11; Sec. 12; Sec. 13 and Sec. 14 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the sites identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive species and/or habitat from surface disturbing activities in accordance with

Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 002

T. 10 N., R. 6 E., Salt Lake

- Sec. 3: Lots 1-4, SWNE, S2NW, N2SW, SESW, SE;
- Sec. 4: Lots 1-4, S2N2, NESW, S2SW, N2SE, SWSE;
- Sec. 9: ALL;
- Sec. 10: N2, SW, NWSE;
- Sec. 11: N2NW, SWNW;
- Sec. 15: NWNW.

2,454.02 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SW, NWSE of Sec. 10 and the NWNW of Sec. 15. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other

development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the SESW, SE of Sec. 3; S2SW, SWSE of Sec. 4; Sec. 9; Sec. 10 and Sec. 15, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the NENE, S2NE, NESW, S2SW, SE of Sec. 9; N2 of Sec. 10 and Sec. 11 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed

Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
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- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 003

T. 10 N., R. 6 E., Salt Lake

Sec. 5: Lots 1-3, S2N2, S2;

Sec. 6: Lots 1-3, 5, 7, S2NE, SENW, E2SW, W2SE, SESE;

Secs. 7, 8: ALL.

2,406.64 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the S2S2 of Sec. 5; Lot 7, SESW, S2SE of Sec. 6; Sec. 7 and Sec. 8., activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the

U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107- 004

T. 10 N., R. 6 E., Salt Lake

Sec. 10: E2SE;

Sec. 11: W2NE, SENW, N2SW, SWSW.

320.00 Acres (½ Mineral Interest)

Rich County, Utah²

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat

from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT1107- 005

T. 10 N., R. 6 E., Salt Lake
Sec. 15: E2NE, SWNE, S2;
Sec. 17: SESE;
Sec. 20: E2NE, SWNE, SENW, S2;
Secs. 21 and 22: ALL.
2,240.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the SESE of Sec. 17; SWNE, SENW, SW of Sec. 20. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the SESE of Sec. 20; NESW, S2SW, SE of Sec. 21 and the SW, S2SE of Sec. 22, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the Sec. 15; Sec. 17; E2NE, SE of Sec. 20; Sec. 21 and Sec. 22, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the S2 of Sec. 15; E2E2 of Sec. 20; Sec. 21 and Sec. 22 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to

the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-46: Sage Grouse Lek Habitat - Exploration, drilling, and other associated development should not be allowed from March 1st to June 15th in order to minimize disturbance to breeding sage grouse. Surface occupancy with historic or presently occupied habitat should be avoided. Permanent development near active or historically active leks should be avoided as they are often considered the focal point of year round activities for non-migratory populations (Braun et. al. 1977. Habitat surrounding the breeding grounds provides the majority of the nesting and early brood rearing habitat. Surveys to determine presence/absence of sage grouse prior to commencing work. To avoid disturbance of leks and nesting habitat during the breeding and nesting period, a 2 mile buffer around leks should remain undisturbed (Connelly e. al. 2000).
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations,

including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-006

T. 10 N., R. 6 E., Salt Lake

Sec. 17: N2, N2SW, SWSW;

Sec. 18: ALL;

Sec. 19: Lots 2-4, S2NE, E2NW, E2SW, SE.

1,597.76 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the W2W2SW of Sec. 17; Lots 2-4, SENW, E2SW, SE of Sec. 18 and Sec. 19. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the E2NE of Sec. 17 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 007

T. 10 N., R. 6 E., Salt Lake
 Secs. 23, 24, 25 and 26: ALL.
 2,560.00 Acres
 Rich County, Utah
 Salt Lake Field Office

STIPULATIONS

- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the SWSW, NESE, S2SE of Sec. 23; Sec. 24; Sec. 25 and Sec. 26 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the Sec. 23; N2NE, SWNE, NW, N2SW, SWSW of Sec. 24 and the N2NE, SWNE, NW, NWSW of Sec. 26, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the Sec. 23; Sec. 24; N2, N2SW of Sec. 25 and the N2, N2S2 of Sec. 26 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 008

T. 10 N., R. 6 E., Salt Lake
 Secs. 27, 33, 34 and 35: ALL.
 2,560.00 Acres
 Rich County, Utah
 Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the N2, SW, N2SE of Sec. 27 and the N2N2, SWNW, NWSW of Sec. 33, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without

impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the N2, N2S2 of Sec. 27 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 009

T. 10 N., R. 6 E., Salt Lake
 Secs. 28 and 29: ALL;
 Sec. 30: Lots 2-4, E2;
 Sec. 31: Lots 1-4, E2NE, SWNE, E2W2, SE.
 2,316.97 Acres
 Rich County, Utah
 Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on Sec. 30 and the NENW of Sec. 31. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in Sec. 28; NE, SENW, S2 of Sec. 29; SESE of Sec. 30 and the E2E2, SWSE of Sec. 31 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the entire lease, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the NE, E2NW, N2SE of Sec. 28 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 010

T. 9 N., R. 6 E., Salt Lake
Secs. 1, 11, 12: ALL;
Sec. 13: NENE.

1,980.04 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in Lot 4 of Sec. 1 and the S2NESW, N2SESW, SWNESE, S2NWSE, N2SWSE, NWSESE of Sec. 11. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the NWNW of Sec. 11 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat

from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-011

T. 9 N., R. 6 E., Salt Lake
Secs. 3, 9, 10: ALL.
1,958.72 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the Sec. 3 and the N2N2 of Sec. 10, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing

restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107-012

T. 9 N., R. 6 E., Salt Lake

Sec. 4: ALL;

Sec. 5: Lots 5-10, S2NE, N2SW, SESW, SE;

Sec. 6: Lots 3-6, 8-15.

1,897.02 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in Sec. 4; Lots 5-10, S2NE, N2S2 of Sec. 5 and Lots 3, 5, 6, 8-15 of Sec. 6, will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 013

T. 9 N., R. 6 E., Salt Lake
Sec. 7: Lots 5-16;
Sec. 8: Lots 1-10, SW;
Secs. 17 and 18: ALL.

2,305.77 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located in the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other

development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in Lots 4, 5, and 8 of Sec. 17, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 14, 15 of Sec. 7; Lots 5, 7, 9-12, 14-16, NWNE of Sec. 18, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09:

Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107- 014

T. 9 N., R. 6 E., Salt Lake

Sec. 13: NW, NWSW;

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

Sec. 15: All;

Sec. 21: NE, N2NW, SENW, NESE;

Sec. 22: N2N2, SWNE, S2NW, N2SW;

Sec. 23: N2NW.

2,200.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the NWSW of Sec. 13; W2 of Sec. 15; NENE, S2NE, N2NW, SENW, NESE of Sec. 21; Sec. 22 and Sec. 23, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the N2NW of Sec. 21, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146: No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147: In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.

11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107-015

T. 9 N., R. 6 E., Salt Lake

Sec. 19: Lots 5-15, E2NE, NENW;

Sec. 20: Lot 1, NWNE, SENE, W2, SE;

Sec. 21: S2SW, SWSE;

Sec. 28: N2;

Sec. 29: N2N2, SENE;

Sec. 30: Lots 5, 8, 9;

Sec. 31: Lots 7, 8.

1,965.26 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water located on Lots 5-8, 12 of Sec. 19; NWNE, NENW, E2W2NW, W2SE of Sec. 20; S2SW, SWSE of Sec. 21 and Lots 7, 8 of Sec. 31. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire parcel, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 7-10, E2NE of Sec. 19 and the W2NW of Sec. 20, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use

of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-15: Historical and Cultural Resource Values - The lessee/operator is given notice that lands in this lease may contain significant Historical and Cultural Resources. Modifications to the Surface Use Plan of Operations may be required for the protection of these resources.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and 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. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.

6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

UT1107- 016

T. 9 N., R. 6 E., Salt Lake
 Sec. 24: S2NE, NESW, S2SW, SE;
 Sec. 26: ALL;
 Sec. 34: ALL.

1,640.00 Acres
 Rich County, Utah
 Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in Sec. 24 and the N2 of Sec. 26, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the W2W2 of Sec. 26 and the N2NW, SENW of Sec. 34, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by

the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the SESE of Sec. 24, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 017

T. 15 N., R. 7 E., Salt Lake
Sec. 33: Lots 1-4, NESW, N2SE, SESE;
Sec. 34: Lot 4.
330.65 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by

the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect

any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT1107- 018

T. 14 N., R. 7 E., Salt Lake

Sec. 3: Lots 2-4, SENE, NESW, N2SE, SESE;

Sec. 8: N2NE, SENE;

Sec. 9: S2SW, SESE;

Sec. 11: S2NW, SW;

Sec. 18: N2SE;

Sec. 29: W2NW, SENW, E2SW.

1,079.43 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on Lots 2-4, SENE, NESW, N2SE of Sec. 3, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 019

T. 13 N., R. 7 E., Salt Lake

Sec. 1: ALL;

Sec. 14: W2NW, SENW, SW, S2SE;

Sec. 25: N2, S2SW;

Sec. 26: NE, NENW, S2S2;

Sec. 35: ALL.

2,404.64 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on S2N2, SESW of Sec. 25 and the S2NE of Sec. 26. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the SENE, SESW, SE of Sec. 1; S2SE of Sec. 14; NENW, S2SW of Sec. 25; S2S2 of Sec. 26 and Sec. 35 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on Sec. 1; SWNW, SW, SWSE of Sec. 14; W2NW, SWSW of Sec. 25; Sec. 26 and Sec. 35 will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal

restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT1107- 020

T. 12 N., R. 7 E., Salt Lake
Secs. 8, 9 and 10: ALL.
1,920.00 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

- UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the SE of Sec. 9 and the S2 of Sec. 10. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the NE, E2NW, N2SE, SESE of Sec. 8; Sec. 9 and Sec. 10 will

be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.

UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.

UT-LN-46: Sage Grouse Lek Habitat - Exploration, drilling, and other associated development should not be allowed from March 1st to June 15th in order to minimize disturbance to breeding sage grouse. Surface occupancy with historic or presently occupied habitat should be avoided. Permanent development near active or historically active leks should be avoided as they are often considered the focal point of year round activities for non-migratory populations (Braun et. al. 1977. Habitat surrounding the breeding grounds provides the majority of the nesting and early brood rearing habitat. Surveys to

determine presence/absence of sage grouse prior to commencing work. To avoid disturbance of leks and nesting habitat during the breeding and nesting period, a 2 mile buffer around leks should remain undisturbed (Connelly e. al. 2000).

UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.

UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.

UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 021

T. 11 N., R. 7 E., Salt Lake

- Sec. 4: Lots 3, 4, SWNW;
- Sec. 5: Lots 1-4, S2N2, SW, N2SE, SWSE;
- Sec. 6: Lots 1-5, S2NE, SENW, NESW, SE;
- Sec. 7: NENE;
- Sec. 8: N2NW.

1,372.58 Acres
Rich County, Utah
Salt Lake Field Office

STIPULATIONS

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity in the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in

writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease, will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on the SWNW of Sec. 4; NESE, SWSE of Sec. 5; Lot 5, NESW of Sec. 6; NENE of Sec. 7 and the NENW of Sec. 8, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity in Lots 2-5, SWNE, SENW, NESW of Sec. 6, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-133 In order to protect the colonies of white-tailed prairie dog, no surface occupancy or other surface disturbance will be allowed within 600ft of white-tailed prairie dog towns if activity would result in the destruction of the prairie dog town located on Lot 3 of Sec. 4 and NESE of Section 5.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use

Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.
- T&E-08: Utah Prairie Dog - The lessee/operator is given notice that lands in this lease may contain historic and/or occupied Utah prairie dog habitat, a threatened species under the Endangered Species Act. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend whether the action is temporary or permanent, and whether it occurs when prairie dogs are active or hibernating. A

temporary action is completed prior to the following active season leaving no permanent structures and resulting in no permanent habitat loss. A permanent action continues for more than one activity/hibernation season and/or causes a loss of Utah prairie dog habitat or displaces prairie dogs through disturbances, i.e. creation of a permanent structure. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures include the following:

1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s).
2. Lease activities will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Where technically and economically feasible, use directional drilling or multiple wells from the same pad to reduce surface disturbance and eliminate drilling in prairie dog habitat.
4. Surface occupancy or other surface disturbing activity will be avoided within 0.5 mile of active prairie dog colonies.
5. Permanent surface disturbance or facilities will be avoided within 0.5 mile of potentially suitable, unoccupied prairie dog habitat, identified and mapped by Utah Division of Wildlife Resources since 1976.
6. The lessee/operator should consider if fencing infrastructure on well pad, e.g., drill pads, tank batteries, and compressors, would be needed to protect equipment from burrowing activities. In addition, the operator should consider if future surface disturbing activities would be required at the site.
7. Within occupied habitat, set a 25 mph speed limit on operator-created and maintained roads.
8. Limit disturbances to and within suitable habitat by staying on designated routes.
9. Limit new access routes created by the project.

Additional measures to avoid or minimize effects to the species may be developed and implemented in consultation with the U.S. Fish and Wildlife Service between the lease sale stage and lease development stage to ensure continued compliance with the ESA.

UT1107- 022

T. 11 N., R. 7 E., Salt Lake

Sec. 7: Lots 3, 4, E2SW, S2SE;

Sec. 8: S2SW, SWSE;

Sec. 17: NWNE, N2NW, SWNW;

Sec. 18: Lots 1-4, NE, E2W2;

Sec. 19: Lots 1, 2, E2NW.

1,101.61 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

UT-S-04: No occupancy or other surface disturbance will be allowed within 600 feet of live water on the entire parcel. This distance may be modified when specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the SESE of Sec. 7; Sec. 8; Sec. 17 and Lot 1, NE, E2NW of Sec. 18 will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.

UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Sec. 7; Sec. 8; and the SWNW of Sec. 17, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.

UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on Lots 1-4, NWNE, E2W2 of Sec. 18 and Sec. 19, will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.

UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-69: Riparian - The lessee/operator is given notice that this lease has been identified as containing riparian resources. Modifications to the Surface Use Plan of Operations, including no surface occupancy on portions of the parcel, may be required in order to protect riparian resources from surface disturbing activities.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing

restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.

UT1107- 023

T. 11 N., R. 7 E., Salt Lake

Sec. 24: Lots 3-8 excluding patented mining claim;

Sec. 25: Lots 1-15 excluding patented mining claim;

Sec. 35: Lots 1-13.

1,250.07 Acres

Rich County, Utah

Salt Lake Field Office

STIPULATIONS

- UT-S-07: In order to protect important sage grouse winter habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-123: In order to protect visual resources in Visual Resource Management (VRM) Class II and III areas on Lots 4, 5, 8 of Sec. 24; Lots 1-7, 9-14 of Sec. 25 and Sec. 35, activities in these areas will be located and designed in a way to meet Class II and III management criteria. This limitation does not apply to maintenance and operation of producing wells. If the lessee can demonstrate that operations can take place without impact to the resource being protected, an exception to this stipulation may be granted if approved in writing by the authorized officer in consultation with the District's VRM specialist. For Class II areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape. For Class III areas, exemptions may be granted whereby changes due to the proposed action repeat the basic elements found in the predominant natural features of the characteristic landscape. This may be achieved through reclamation, topographic or vegetative screening, construction practices and use of non-reflective paints which blend into the viewscape for buildings, tanks, and pipelines.
- UT-S-124: In order to protect important sage grouse breeding and nesting habitat, exploration, drilling, and other development activity on the entire parcel will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance and operation of producing wells. There are no exceptions to this stipulation.
- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this

limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-41: Noxious Weeds - The lessee/operator is given notice that lands in this lease have been identified as containing or are near areas containing noxious weeds. Best management practices to prevent or control noxious weeds may be required for operations on the lease.
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protect the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat - BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CFR 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or modified by the authorized officer if

either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

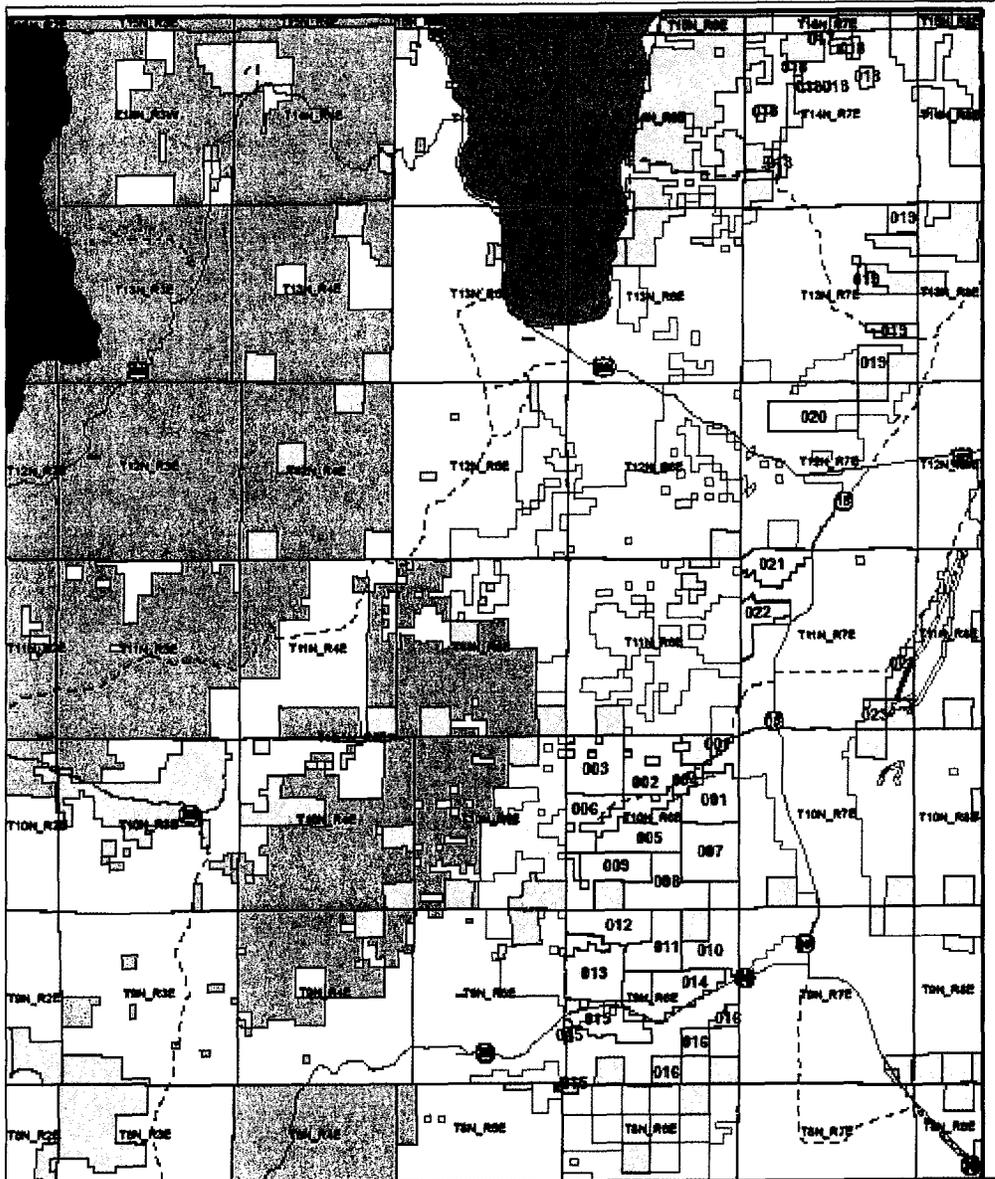
Attachment 2 – Map of Parcels

Rich County Leases

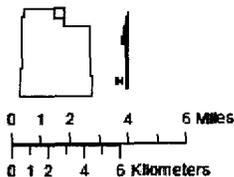
December 2007

Salt Lake Field Office

BLM



Public Land State Land National Forest Private Land National Park O & G Leases



No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

This product may not meet BLM standards for accuracy and content. Different data sources and input scales may cause some misalignment of data layers.

Attachment 3 – Interdisciplinary Analysis Record Checklist

Critical Elements of the Human Environment that have been considered for analysis are listed as follows (Table 1):

Table 1. Critical Elements of the Human Environment					
Critical Element	Yes	No	Critical Element	Yes	No
Air Quality		✓	Recreation	✓	
Areas of Critical Environmental Concern		✓	Threatened, Endangered or Candidate Plant Species		✓
Cultural Resources		✓	Threatened, Endangered or Candidate Animal Species	✓	
Environmental Justice		✓	Visual Resources	✓	
Farmlands (Prime or Unique)		✓	Wastes (hazardous or solid)		✓
Floodplains		✓	Water Quality (drinking/ground)		✓
Invasive, Non-native Species	✓		Wetlands/Riparian Zones		✓
Native American Religious Concerns		✓	Wild and Scenic Rivers		✓
Vegetation Resources	✓		Wilderness		✓

Attachment 4 – Cultural Report

Attachment 4
Bureau of Land Management Salt Lake Field Office
Cultural Evaluation - Quarterly Oil and Gas Lease, November 2007

Introduction

The Bureau of Land Management Salt Lake Field Office (BLM-SLFO) is proposing to offer 35 parcels for oil and gas leasing (Figures UT1107-001 through UT1107-28, and UT1107-067 through UT1107-76). These parcels will be available for lease during the November 2007 lease sale. This evaluation will determine the feasibility of placing a single well on each of the parcels and should also the potential for a determination of an adverse effect per 36CFR800. The Area of Potential Effects (APE) for the lease sale is the boundary of each of the proposed parcels.

Methods

Four variables will be considered for the purposes of this analysis. Parcel size, amount of cultural resource survey in and near each parcel, cultural resource site density and cultural resource site size. Parcel size determines the ability to site a single well while avoiding cultural resources. Larger parcels allow easier placement to avoid cultural resources, while smaller parcels have less room to avoid cultural resources. The amount of cultural resource survey in and near each parcel determines the knowledge about the lease parcel currently available. Cultural resource site density determines the number of expected sites within a parcel. Higher site density make locating a well in a lease parcel more difficult, while low site density allows more flexibility in locating a well. Cultural resource site size records the maximum size of any cultural resource site in or near the lease parcel. Large sites make locating a well on a lease parcel more difficult, and small cultural resource sites allow for more flexibility in locating a well.

The data on which the analysis is based comes from an archeological GIS database maintained by the Utah Division of State History. Site density was based on the number of sites divided by the number of acres of inventory. The age of the inventory and its intensity were not considered.

Analysis

The vast majority of the parcels in this lease sale are sufficiently large enough, have low site density and small size sites to place a single well on a lease (Table 1). Lease parcel 15 located on and around Woodruff Creek Dam has the potential to contain both historic and prehistoric sites. Lease parcel 28 includes a tract which is located astride both the original transcontinental railroad grade and the Lucin Cutoff Railroad, between Umbria Junction and a large historic quarry. Ancillary engineered features associated with the Lucin Cutoff also occur on the parcel. The transcontinental railroad is an ACEC with a No Surface Occupancy (NSO) stipulation. Any portion of parcel 28 which falls within the ACEC includes the NSO provision. The remainder of parcel 28 is large enough to afford the placement of a single well without impact to cultural resources. Parcels 68 and 75 are in high site density areas and are in an area of Utah County where large sites have been found in the past. Examination of the parcel maps for 68 and 75 and

their topographic location would suggest that a single well could be placed somewhere within these two parcels.

Table 1. Parcel Size

Parcel Number	Parcel Size	Percent Survey	Site Density (Square Mile)	Maximum Site Size (acres)
UT1107-001	2244	5.3	3.5	1
UT1107-002	2454	5.3	3.5	1
UT1107-003	2406	5.3	3.5	1
UT1107-004	320	5.3	3.5	1
UT1107-005	2240	5.3	3.5	1
UT1107-006	1597	5.3	3.5	1
UT1107-007	2560	5.3	3.5	1
UT1107-008	2560	5.3	3.5	1
UT1107-009	2316	5.3	3.5	1
UT1107-010	1980	5.3	3.5	1
UT1107-011	1958	5.3	3.5	1
UT1107-012	1897	5.3	3.5	1
UT1107-013	2305	5.3	3.5	1
UT1107-014	2200	5.3	3.5	1
UT1107-015	1965	5.3	3.5	1
UT1107-016	1640	5.3	3.5	1
UT1107-017	330	1.6	4.9	8
UT1107-018	1079	1.6	4.9	8
UT1107-019	2404	1.6	4.9	8
UT1107-020	1920	1.6	4.9	8
UT1107-021	1372	1.6	4.9	8
UT1107-022	1101	1.6	4.9	8
UT1107-023	1250	5.5	0.6	1
UT1107-024	1923	1.4	12.6	1
UT1107-025	2200	1.4	12.6	1
UT1107-026	1921	1.4	12.6	1
UT1107-027	2440	1.4	12.6	113
UT1107-028	2162	1.4	12.6	113
UT1107-067	2009	1.6	12.3	25
UT1107-068	440	1.6	12.3	25
UT1107-069	1950	1.6	12.3	25
UT1107-070	1400	1.6	12.3	25
UT1107-071	1770	1.6	12.3	25
UT1107-075	257	1.6	12.3	25
UT1107-076	2240	1.6	12.3	25

Mitigation Measures:

If a lease is issued, the BLM would retain authority to modify or deny lease activities in conformance with nondiscretionary statutes through the addition of lease stipulations. Pursuant to Washington Office IM 2005-03 (October 5, 2004), the following lease stipulation would be added to all parcels for the National Historic Preservation Act of 1966, as amended:

"This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated."

Lease notices may be added to parcels where the BLM wants to make to potential bidders aware of issues of concern on a parcel.

UT-LN-15 Lease Notice - Historical and Cultural Resource Values:

"The lessee/operator is given notice that lands in this lease may contain significant Historical and Cultural Resources. Modifications to the Surface USE Plan of Operations may be required for the protection of these resources."

Lease notice UT-LN-15 would be applied to the following parcels:

UT1107-015

UT-LN-74 Lease Notice-High potential for cultural resource occurrence:

"The lessee/operator is given notice that lands in this lease contain significant Cultural Resources. Modification to the Surface Use Plan of Operations may be required for the protection of these resources. Class III level block inventories may be required to determine resource location and possible impact to the resource. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated."

Lease notice UT-LN-74 would be applied to the following parcels:

UT1107-028

UT1107-075

UT1107-076

Recommendations

Based on the results of this analysis, there is no reason that would preclude the construction of at least one well pad on each of the 35 parcels in this lease offering. The BLM-SLFO has determined that the November 2007 oil and gas lease sale has no potential to affect historic properties and give the recommendation of "No Historic Properties Affected."

Attachment 5 – SHPO Correspondence



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Salt Lake Field Office
2370 South 2300 West
Salt Lake City, Utah 84119
ph: (801) 977-4300; Fax: (801) 977-4397
www.ut.blm.gov/saltlake_fo



In Reply Refer To:
1310
(UT-020)

Received

SEP 05 2007

BLM

August, 30 2007

2007 SEP -6 PM 4:37
RECEIVED

State Historic Preservation Officer
Utah State Historical Society
300 Rio Grande
Salt Lake City, Utah 84101-1182

PART I. Project Description

County: Rich, Utah and Box Elder Counties
Project Number: Not Applicable

The following undertaking, the BLM Salt Lake Field Office Quarterly Oil and Gas Lease, November 2007:

Table with 2 columns: Selection indicator and Description. Row 1: (1) is a non-routine interstate and/or interagency project or program. Row 2: (2) directly affects a National Register eligible or listed property. Row 3: (3) has been determined by BLM, the SHPO or the Council to be highly controversial. Row 4: (4) is one of the following: a land exchange, land sale, Recreation and Public Purpose lease, or transfer. Row 5: X (5) is one which we wish to bring to your attention.

PART II. Determination of Eligibility to the National Register of Historic Places.

BLM requests your concurrence on the following determinations of eligibility and effect: Not Applicable

Table with 2 main sections: DETERMINATION OF ELIGIBILITY and DETERMINATION OF EFFECT ON HISTORIC PROPERTIES. Columns include SITE NUMBER, NOT ELIGIBLE, NEED DATA, ELIGIBLE, ELIGIBILITY CRITERIA, NO EFFECT, NO ADVERSE EFFECT, and ADVERSE EFFECT.

Please review the enclosed documentation, then sign and return this letter with your comments within ten working days.

BUREAU OF LAND MANAGEMENT, * FIELD OFFICE

Peter Amisworth Aug 30th 2007
BY FIELD OFFICE ARCHAEOLOGIST DATE

[Signature] 30 AUGUST 2007
BY FIELD OFFICE MANAGER (ACTING) DATE

UTAH STATE HISTORIC PRESERVATION OFFICER

Concur Do Not Concur

[Signature] 6 September 2007
BY **Matthew T. Seddon, RPA** DATE

COMMENTS: **Deputy State Historic Preservation Officer**

Thank you for clarifying that an average disturbance of 10 acres was used for your analysis.

Enclosure: Staff Report

Bureau of Land Management Salt Lake Field Office
Cultural Evaluation - Quarterly Oil and Gas Lease, November 2007

Introduction

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Mitigation Measures:

If a lease is issued, the BLM would retain authority to modify or deny lease activities in conformance with nondiscretionary statutes through the addition of lease stipulations. Pursuant to Washington Office IM 2005-03 (October 5, 2004), the following lease stipulation would be added to all parcels for the National Historic Preservation Act of 1966, as amended:

"This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, E.O. 13007, or other statutes and executive orders. The BLM will not approve any ground disturbing activities that may affect any such properties or resources until it completes its obligations under applicable requirements of the NHPA and other authorities. The BLM may require modification to exploration or development proposals to protect such properties, or disapprove any activity that is likely to result in adverse effects that cannot be successfully avoided, minimized or mitigated."

Lease notices may be added to parcels where the BLM wants to make to potential bidders aware of issues of concern on a parcel.

UT-LN-15 Lease Notice - Historical and Cultural Resource Values:

"The lessee/operator is given notice that lands in this lease may contain significant Historical and Cultural Resources. Modifications to the Surface USE Plan of Operations may be required for the protection of these resources."

Lease notice UT-LN-15 would be applied to the following parcels:
UT1107-015

UT-LN-74 Lease Notice-High potential for cultural resource occurrence:

"The lessee/operator is given notice that lands in this lease contain significant Cultural Resources. Modification to the Surface Use Plan of Operations may be required for the protection of these resources. Class III level block inventories may be required to determine resource location and possible impact to the resource. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated."

Lease notice UT-LN-74 would be applied to the following parcels:
UT1107-028
UT1107-075
UT1107-076

Recommendations

Based on the results of this analysis, there is no reason that would preclude the construction of at least one well pad on each of the 35 parcels in this lease offering. The BLM-SLFO has determined that the November 2007 oil and gas lease sale has no potential to affect historic properties and give the recommendation of "No Historic Properties Affected."

Attachment 6 – Tribal Correspondence



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Salt Lake Field Office
2370 South 2300 West
Salt Lake City, Utah 84119
ph: (801) 977-4300; Fax: (801) 977-4397
www.ut.blm.gov/saltlake_fo



TAKE PRIDE
IN AMERICA

SURNAME
PA

AUG 08 2007

In Reply Refer To:
(UT-023)

file

Certified Mail Number
Return Receipt Requested

RE: November 2007 Oil & Gas Lease Sale

Send to tribes: both Goshute, Paiute, Ute, and the Western, Northwest and Eastern Shoshone

Dear Chair . . .

The Bureau of Land Management (BLM) is proposing to offer 35 parcels of public land in a competitive oil and gas lease sale to be held in November, 2007. The parcels are located on both split-estate lands where the lands are non-federal surface/federal minerals administered by the Salt Lake Field Office (SLFO) and on lands in which the BLM manages the surface and subsurface estates. The legal land descriptions are identified in Attachment 1 and consist of approximately 62,821.37 acres.

Six parcels would be offered as Oil and Gas Category 1, open for leasing with standard stipulations. Twenty nine parcels would be offered as Oil and Gas Category 2, open for leasing with controlled surface use stipulations. A lease may be held for 10 years, after which the lease would expire unless oil or gas is produced in paying quantities. A producing lease would be held indefinitely by paying production. For Category 1 & 2 leases, a lessee's right to explore and drill for oil and gas at some location on the lease is implied by issuance of the lease. A lessee must submit an application for permit to drill (APD) to the BLM for approval and must possess a BLM approved APD prior to drilling. Following BLM's approval of an APD, a lessee may produce oil and gas from a lease without additional approval.

Maps of the proposed lease areas are enclosed. If your tribe is aware of areas of traditional, religious and/or cultural importance that may be impacted by the proposed action, or if you have other concerns, questions or would like to otherwise consult with the BLM on this project please contact Peter Ainsworth at (801) 977-4331 or Pam Schuller (801)977-4356 at your earliest convenience.

Sincerely,

GLENN A. CARPENTER

Glenn A. Carpenter
Field Office Manager

Attachment 1 - Legal Land Descriptions
Attachment 2 - CD with Maps

Mailing List
RE: November 2007 Oil & Gas Lease Sale

Ivan Wangan
Cc: Patty Timbimboo-Madsen, Gwen Davis.
Certified Mail Number - 7007 0710 0001 8505 7198

Ivan Posey
Cc: Reba Teran.
Certified Mail Number - 7007 0710 0001 8505 7099

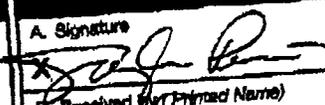
Felix Ike
Cc: Helen Dave, Kristi Begay, Fermina Stevens, Ronnie Woods, Stanford Knight, Bernice Lalo.
Certified Mail Number 7007 0710 0001 8505 7105

Rupert Steele
Cc: Ed Narajo.
Certified Mail Number - 7007 0710 0001 8505 7211

Lawrence Bear
Certified Mail Number - 7007 0710 0001 8505 7150

Maxine Natchees
Cc: Betsy Chapoose, Kermit Wopsock.
Certified Mail Number - 7007 0710 0001 8505 7143

Lora Tom
Cc: Dorena Martineau, Phil Pikyavit.
Certified Mail Number - 7007 0710 0001 8505 7167

SENDER COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<ul style="list-style-type: none">Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.Print your name and address on the reverse so that we can return the card to you.Attach this card to the back of the mailpiece, or on the front if space permits.		A. Signature 	<input type="checkbox"/> Agent <input type="checkbox"/> Addressee
1. Article Addressed to: PS		B. Received by (Printed Name) Ivan Wangan	C. Date of Delivery 8-9-07
IVAN WANGAN 707 N MAIN ST BRIGHAM CITY UT 84302		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
2. 7007 0710 0001 8505 7198			

PS Form 3811, February 2004

Domestic Return Receipt

10295-02-M-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

FELIX LIKE
525 SUNSET STREET
ELKO NV 89801

2. 7007 0710 0001 8505 7105

PS Form 3811, February 2004

Domestic Return Receipt

10255-02-01-1540

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

IVAN POSEY
PO BOX 538
FORT WASHAKIE WY 82514

2. 7007 0710 0001 8505 7099

PS Form 3811, February 2004

Domestic Return Receipt

10255-02-01-1540

COMPLETE THIS SECTION ON DELIVERY

- A. Signature
 Felix Like Agent
 Addressed
 B. Received by (Printed Name)
Felix Like Date of Delivery
8-09-07
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail G.O.D.
4. Restricted Delivery? (Extra Fee) Yes

COMPLETE THIS SECTION ON DELIVERY

- A. Signature
 Ivan Posey Agent
 Addressed
 B. Received by (Printed Name)
 Date of Delivery
- D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

AUG 10 2007

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail G.O.D.
4. Restricted Delivery? (Extra Fee) Yes

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to: *PS*

RUPERT STEELE
PO BOX 6104
IBAPHA UT 84034

COMPLETE THIS SECTION ON DELIVERY

A. Signature
 Rupert Steele Agent
 Addressed
 B. Received by (Printed Name)
Phyllis Narango Date of Delivery
8-10-07

D. Is delivery address different from item 1? Yes
 If YES, enter delivery address below: No

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail G.O.D.

4. Restricted Delivery? (Extra Fee) Yes

7007 0710 0001 8505 7211

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 MAXINE NATCHES
 PO BOX 190
 FORT DUCHESNE UT 84026

2. Article Number
 7007 0710 0001 8505 7143
 PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1546

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 LAWRENCE BEAR
 3359 S MAIN #808
 SALT LAKE CITY UT 84115

2. 7007 0710 0001 8505 7150
 PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1546

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name)
- C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

Signature: *[Signature]*
 Received by (Printed Name): *[Signature]*
 Date of Delivery: *8/10/07*
 USPS CITY UT SO. LAKE 84115
 7007 0710 0001 8505 7143

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
 LORA TOM
 440 NORTH PAIUTE DRIVE
 CEDAR CITY UT 84720

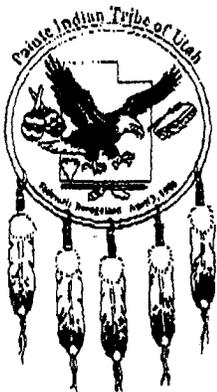
2. 7007 0710 0001 8505 7167
 PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1546

COMPLETE THIS SECTION ON DELIVERY

- A. Signature Agent Addressee
- B. Received by (Printed Name)
- C. Date of Delivery
- D. Is delivery address different from item 1? Yes No
 If YES, enter delivery address below:

3. Service Type
 Certified Mail Express Mail
 Registered Return Receipt for Merchandise
 Insured Mail C.O.D.
 4. Restricted Delivery? (Extra Fee) Yes

Signature: *[Signature]*
 Received by (Printed Name): *A Tom*
 Date of Delivery: *8/10/07*
 USPS CITY UT SO. LAKE 84115
 7007 0710 0001 8505 7167



THE PAIUTE INDIAN TRIBE OF UTAH

440 North Paiute Drive • Cedar City, Utah 84720 • (435) 586-1112

August 21, 2007

Glenn A. Carpenter
Field Office Manager
Salt Lake Field Office
Bureau of Land Management
2370 South 2300 West
Salt Lake City, Utah 84119

Dear Mr. Carpenter,

SUBJECT: November 2007 Oil and Gas Lease Sale

The Paiute Indian Tribe of Utah is in receipt of your letter dated August 8, 2007 and have reviewed the material and do not have any objections pertaining to the project. At this time we are not aware of any archaeological resources in or near the proposed site. We do appreciate your solicitation of the Paiute Indian Tribe of Utah's input and your effort to address our concerns.

Please notify the Paiute Indian Tribe of Utah of any cultural resources that are found including type and location, also any updates or changes to the project.

Thank You,

Dorena Martineau

Dorena Martineau
Cultural Resources
Paiute Indian Tribe of Utah
440 North Paiute Drive
Cedar City, Utah 84720
435-586-1112 (Ext. 107)

2007 AUG 23 PM 3:11

;file

Attachment 7 – Biological Evaluation



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Salt Lake Field Office
2370 South 2300 West
Salt Lake City, Utah 84119
ph: (801) 977-4300; Fax: (801) 977-4397
www.ut.blm.gov/saltlake_fo



MEMORANDUM

TO: Assistant Field Manager
FROM: Environmental Specialist
DATE: 12/07/07
RE: Biological Evaluation/Staff Report for the February 2008 Oil and Gas Lease Sale

The Bureau of Land Management (BLM) is proposing to offer 23 parcels of public land in a competitive oil and gas lease sale to be held in February, 2008. The parcels are located on both split-estate lands where the lands are non-federal surface/federal minerals administered by the Salt Lake Field Office (SLFO) and on lands in which the BLM manages the surface and subsurface estates. The legal land descriptions and reference maps are contained in EA UT-020-2008-013. The parcels consist of approximately 42,105.93 acres within Rich County, Utah.

GIS data sets from Utah Division of Wildlife Resources for Utah Threatened, Endangered, and Sensitive Species Occurrences (Utah Natural Heritage Program) and elk, moose, mule deer, pronghorn, showshoe hare and sage-grouse (winter & brood) habitats (<http://dwrcdc.nr.utah.gov/ucdc/DownloadGIS/disclaim.htm>) plus raptor inventories conducted within the SLFO by Hawk Watch International, UDWR and RINS (Raptor Inventory of Nesting Sites) were utilized. Federally listed species are discussed in Section 1. Lease Notices addressing habitat components for special status, T&E and other species would be applied to the parcels as identified below in Section 2.

Additional environmental analysis will be conducted at the APD stage of any proposed development and will include all necessary Section 7 consultation proceedings with FWS to maintain compliance with the Endangered Species Act. Leases are issued subject to stipulations and lease notices that are designed to protect threatened, endangered and sensitive species in order to notify the lessee of the presence of these species or their habitats and identify the potential for restrictions on any future development that may occur upon the lease. All specie specific programmatic conservation measures would be considered at that time. The T&E/special status species lease notices developed by BLM and FWS clearly inform the lessee that consideration of listed species must be afforded if any exploration or development actions are to occur.

Washington Office Instruction Memorandum 2002-174, clarifies existing oil and gas lease stipulation policy and provides additional guidance in regard to the use of stipulations and notices for threatened, endangered, and other special status species. The stipulation communicates BLM's retained authority to modify or deny lease activities pursuant to nondiscretionary statutes. Thus, BLM may require modification to surface

use plans of operation on oil and gas leases where special status species or their habitat is known or strongly suspected to occur. This stipulation will be attached to all offered leases in the Utah February, 2008 oil and gas lease sale.

1) A review of each lease parcel was conducted for the potential occurrence of listed and non-listed special status plants and animals. The U.S. Fish and Wildlife Service indicated that the following federally protected species may occur within the project area (Table 1):

County	Common Name	Scientific Name	Status
Rich	Canada Lynx	<i>Lynx canadensis</i>	Threatened
Rich	Black-Footed Ferret	<i>Mustela nigripes</i>	Endangered

Canada Lynx

Portions of parcel UT1107-003 occur within travel habitats for the species in northern Utah. Mapped transitional habitat does occur adjacent to parcels UT1107-013, UT1107-014 and UT1107-015. Habitat is not identified on the remaining lease parcels. Lease Notice UT-T&E-09 will be attached to these parcels. Based on the best information available, there are not likely to be any adverse impacts to the Canada Lynx as a result of the proposed action.

Black-Footed Ferret

According to UDWR, possible habitat could exist within parcels UT1107-001, UT1107-002, UT1107-005, UT1107-007, UT1107-008, UT1107-010, UT1107-011, UT1107-014, UT1107-016 and UT1107-023. The subject parcels do not occur within the current or known distribution of the species in Utah. The parcels are not located near the "non-essential experimental" populations of Uintah & Duchesne Counties. Black-footed ferrets appear to be entirely dependent upon prairie dogs. They use these rodents' burrows to live in and rear their young, and prey almost exclusively on prairie dogs. Colonies are not known to occur within or adjacent to the lease parcels. Lease Notice UT-LN-24 will be attached to these parcels. Based on the best information available, there are not likely to be any adverse impacts to the Black-Footed Ferret as a result of the proposed action.

General Wildlife

Non-listed (i.e., not federally protected under the ESA) species include species on the Utah BLM State Director's Sensitive Species List and species on the current Utah Division of Wildlife Services Special Status Species List (<http://dwrcdc.nr.utah.gov/ucdc/ViewReports/sslist.htm>). A special status species and habitat summary is provided in Table 2. Additional discussion is also provided for each lease parcel, including appropriate lease notices.

Table 2. Special Status Animal and Plant Species and Habitats																	
Parcel	Crucial Range	Riparian	Raptors	Sage-Grouse	Burrowing Owl	Northern Goshawk	Pygmy Rabbit	Bonneville Cutthroat Trout	Grouse Creek Rockcrest	Goose Creek Milkvetch	Pohl's Milkvetch	Plains Spring Parsley	Kass Rockcrest	Deep Creek Stickseed	Idaho Penstemon	Cottom Cinquefoil	Rock Violet
001	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
002	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
003	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
004	No	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
005	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
006	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
007	Yes	No	No	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
008	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
009	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
010	Yes	Yes	Yes	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
011	Yes	No	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
012	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
013	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
014	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
015	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No
016	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
017	Yes	No	No	Yes	Yes	No	Yes	No	No	No	No	No	No	No	No	No	No
018	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
019	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
020	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
021	Yes	No	No	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
022	Yes	Yes	No	Yes	Yes	No	Yes	Yes	No	No	No	No	No	No	No	No	No
023	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	No	No	No	No	No	No

UT1107-001 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer range for moose, crucial winter range for mule deer and substantive winter range for elk and year long crucial range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-001:

- UT-LN-24 Black Footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-81 Crucial Pronghorn Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-002 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black-footed ferret, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer & winter range for moose, crucial winter range for mule deer and substantive winter range for elk and year long crucial range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-002:

- UT-LN-24 Black Footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-81 Crucial Pronghorn Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-003 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for Canada lynx, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range for moose; crucial winter & summer range and fawning habitat for mule deer; substantive winter range for elk; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-003:

- UT-T&E-09 Canada Lynx
- UT-LN-82 Crucial Moose Habitat
- UT-LN-23 Crucial Deer Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-004 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse. This parcel contains substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel.

Additional Lease Notices would be applied to parcel UT1107-004:

- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-005 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer & winter range for moose; crucial summer & winter range and fawning habitat for mule deer; substantive winter range for elk; and year long crucial range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. An active lek is known to occur on this parcel. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-005:

- UT-LN-24 Black Footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-81 Crucial Pronghorn Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit
- UT-LN-46 Sage-grouse Lek Habitat

UT1107-006 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range for moose; crucial summer & winter range and fawning habitat for mule deer; substantive winter range for elk; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nests have not been documented on

this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-006:

- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-007 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black-footed ferret and greater sage-grouse. This parcel contains crucial summer range for moose; crucial winter range for mule deer; substantive winter range for elk; and crucial year long range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-007:

- UT-LN-24 Black-footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-008 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer range for moose; crucial winter range for mule deer; substantive winter range for elk; and crucial year long range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nests have been documented on this parcel. Additional raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-008:

- UT-LN-24 Black Footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-81 Crucial Pronghorn Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species

- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-009 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range for moose; crucial summer range and fawning habitat for mule deer; substantive winter range for elk; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-009:

- UT-LN-82 Crucial Moose Habitat
- UT-LN-23 Crucial Deer Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-010 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret and greater sage-grouse. This parcel contains crucial summer range for moose; crucial winter range for mule deer; substantive winter range for elk; and crucial year long range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nests have been documented on this parcel. Other raptor nests are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-010:

- UT-LN-24 Black Footed Ferret Habitat
- UT-LN-82 Crucial Moose Habitat
- UT-LN-23 Crucial Deer Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-07 Raptor Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-69 Riparian
- UT-LN-81 Crucial Pronghorn Habitat
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-011 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for Bonneville cutthroat trout, black footed ferret and greater sage-grouse. This parcel contains crucial summer & winter range for moose; crucial winter range for mule deer; substantive winter range for elk; and crucial year long range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nests have been documented on this parcel. Other raptor nests are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-011:

UT-LN-24 Black Footed Ferret Habitat
UT-LN-82 Crucial Moose Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-07 Raptor Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-81 Crucial Pronghorn Habitat
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-012 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for Bonneville cutthroat trout and greater sage-grouse. This parcel contains crucial winter range for moose; crucial winter and summer/fawning range for mule deer; substantive winter range for elk; and substantive summer range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nests have not been documented on this parcel. However, raptor nests may occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-012:

UT-LN-82 Crucial Moose Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-07 Raptor Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-013 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse, Bonneville cutthroat trout and Canada Lynx. This parcel contains crucial winter range for moose; crucial winter, summer range and fawning habitat for mule deer; substantive winter range for elk; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have been

documented on this parcel. Additional raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-013:

UT-T&E-09 Canada Lynx
UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-014 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse, Bonneville cutthroat trout, black footed ferret and Canada Lynx. This parcel contains crucial winter & summer range for moose; crucial winter range for mule deer; substantive winter range for elk; and crucial yearlong range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have been documented on this parcel. Additional raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-014:

UT-T&E-09 Canada Lynx
UT-LN-24 Black Footed Ferret Habitat
UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-015 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse, Bonneville cutthroat trout and Canada Lynx. This parcel contains crucial winter range for moose; crucial winter range and summer/fawning habitat for mule deer; crucial winter range for elk; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have been documented on this parcel. Additional raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-015:

UT-T&E-09 Canada Lynx
UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-016 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse, Bonneville cutthroat trout and black footed ferret. This parcel contains crucial winter & summer range for moose; crucial winter range and summer/fawning habitat for mule deer; and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have been documented on this parcel. Additional raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-016:

UT-LN-24 Black Footed Ferret Habitat
UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-017 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse. This parcel is adjacent to crucial winter range for moose. This parcel contains crucial summer/fawning range for mule deer and substantive summer range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-017:

UT-LN-07 Raptor Habitat

- UT-LN-23 Crucial Deer Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-018 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range for moose; crucial summer/fawning range for mule deer; and substantive summer range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-018:

- UT-LN-07 Raptor Habitat
- UT-LN-23 Crucial Deer Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-82 Crucial Moose Habitat
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-019 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range and summer/fawning habitat for mule deer; substantive winter range for elk and substantive summer range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. Raptor nest have not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-019:

- UT-LN-07 Raptor Habitat
- UT-LN-23 Crucial Deer Habitat
- UT-LN-37 Utah Sensitive Species Habitat
- UT-LN-50 Crucial Mule Deer Winter Range
- UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
- UT-LN-13 Burrowing Owl Habitat
- UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-020 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer & winter range for moose, crucial winter

range for mule deer and substantive winter range for elk and year long crucial range for pronghorn. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A lek has also been identified. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-020:

UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-46 Sage-Grouse Lek Habitat
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-021 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-07, UT-S-124 and UT-S-133. According to UDWR data sets, this parcel could contain habitat for white tailed prairie dog, greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial summer range for moose, crucial winter range for mule deer, substantive winter range for elk and substantive summer range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nests have not been documented on this parcel. However, nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-021:

UT-T&E-08 Prairie Dog
UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sagegrouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-022 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-04, UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for black footed ferret and Bonneville cutthroat trout. This parcel contains crucial summer range for moose, crucial winter range for mule deer and substantive winter range for elk. Riparian and/or wetland areas may occur on this parcel. This area provides brooding and winter habitat for sage-grouse. A raptor nest has been documented on this parcel. Other raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-022:

UT-LN-07 Raptor Habitat
UT-LN-24 Black Footed Ferret Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-82 Crucial Moose Habitat
UT-LN-69 Riparian
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

UT1107-023 – Stipulations addressing wildlife and/or habitat associated with this parcel include: UT-S-07 and UT-S-124. According to UDWR data sets, this parcel could contain habitat for the greater sage-grouse and Bonneville cutthroat trout. This parcel contains crucial winter range for mule deer, substantive winter range for elk and substantive winter range for pronghorn. This area provides brooding and winter habitat for sage-grouse. Raptor nest has not been documented on this parcel. However, raptor nest locations are likely to occur within and adjacent to this parcel. This area is likely winter foraging range for the bald eagle.

Additional Lease Notices would be applied to parcel UT1107-023:

UT-LN-07 Raptor Habitat
UT-LN-23 Crucial Deer Habitat
UT-LN-37 Utah Sensitive Species Habitat
UT-LN-50 Crucial Mule Deer Winter Range
UT-LN-51 Greater Sage-grouse Habitat – BLM Sensitive Species
UT-LN-13 Burrowing Owl Habitat
UT-LN-58 Utah Sensitive Species Pygmy Rabbit

As per Form 3100-1 (Offer to Lease and Lease for Oil and Gas), rights granted are subject to applicable laws, the terms and conditions and attached stipulations..." Section 6 of this form also identifies a Lessee's responsibility for conducting activities that minimize adverse impacts to resources including T&E and sensitive species.

For each parcel, the following lease notice from IM WO 2002-174 will also be included:
"The lease area may now or hereafter contain plants, animals or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that would contribute to a need to list such species or their habitat. BLM may require modifications to or disapprove proposed activity that is likely to result in jeopardy to the continued existence of a proposed or listed threatened or endangered species or result in the destruction or adverse modification of a designated or proposed critical habitat. BLM

will not approve any ground-disturbing activity until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 U.S.C. 1531 et seq. including completion of any required procedure for conference or consultation.”

Based on the attachment of lease notice T&E-09 for Canada Lynx to the appropriate offered parcel and in accordance with the USFWS April 4, 2007, programmatic consultation and concurrence letter, BLM finds no need to reinstate consultation on the Canada Lynx at this time.

Raptor seasonal and spatial requirements are listed in Appendix 1. Other wildlife stipulations are identified in Appendix 2.

cc: Pam Schuller



United States Department of the Interior

FISH AND WILDLIFE SERVICE

UTAH FIELD OFFICE
2369 WEST ORTON CIRCLE, SUITE 50
WEST VALLEY CITY, UTAH 84119

In Reply Refer To

FWS/R6

ES/UT

7-I-0123

April 4, 2007

Memorandum

To: State Director, Bureau of Land Management, Utah State Office, Salt Lake City, Utah

From: Utah Field Supervisor, Ecological Services, U.S. Fish and Wildlife Service, West Valley City, Utah

Subject: Section 7 Consultation for Canada Lynx, Oil and Gas Lease Sales

Based on information provided in a letter and attachments from your Salt Lake Field Office, dated March 22, 2007, we concur that the May 2007 Salt Lake Field Office oil and gas lease sale, with the attached Canada lynx lease notice, results in a [not likely to adversely affect] determination for the Canada lynx. Consultation for the bald eagle was completed programmatically in December 2004 through development of species-specific lease notices, as coordinated between our office and the BLM Utah State Office.

It is also our understanding that the Canada lynx lease notices will be applied to future sales containing the species or its habitat. Our concurrence will therefore programmatically apply to any upcoming lease parcels that include the Canada lynx lease notices. Coordination between our office and the BLM Utah State Office has resulted in development of the species-specific oil and gas lease notices to ensure effects are avoided or minimized during energy development planning, exploration, extraction, and production activities. Inclusion of these measures at the lease stage, and during energy development activities, ensures that potential effects to listed species are insignificant or discountable, in part by avoiding impacts to sensitive habitats and avoiding disturbances during crucial life history seasons (e.g., breeding, wintering).

Lease notices will also provide full disclosure to the lessee of potential environmental concerns and strategies to minimize effects to listed species. This will allow the industry to consider environmental issues prior to finalizing development plans, and thus minimize financial and logistical planning burdens. Implementation of lease notices should result in a streamlined, efficient consultation process at any future development stage.

Should project plans change, or if additional information on the distribution of listed or proposed species becomes available, this determination may be reconsidered. If these species-specific notices can not be implemented at any time during energy development activities that occur within, or effect species or their habitats, section 7 consultation should be reinitiated in accordance with the Endangered Species Act and 50 CFR 402.16 regulations. Reinitiation of section 7 consultation must be completed prior to commencement of any activities that can not implement the species-specific notices.

We appreciate BLM's interest in conserving endangered species, and your staff's ongoing efforts to develop and implement these lease notices. If further assistance is needed or you have any questions, please contact Laura Romin, at (801) 975-3330 extension 142.



cc: Ron Bolander, BLM, Utah State Office, Salt Lake City, Utah
Chris Keefe, BLM, Utah State Office, Salt Lake City, Utah
Glenn Carpenter, BLM, Salt Lake Field Office, 2370 South 2300 West, Salt Lake City,
Utah, 84119

Appendix 1 – Raptor Seasonal and Spatial Requirements

Nesting periods and recommended buffers for raptors in Utah – (from US fish and Wildlife Services <i>Utah Field Office Guidelines for Raptor Protection from Human and Land Use</i>)						
Species	Spatial Buffer (miles)	Seasonal Buffer	Incubation, # Days	Brooding, # Days Post-Hatch	Fledging, # Days Post-Hatch	Post-fledge Dependency to Nest, # Days ¹
Bald eagle	1.0	1/1-8/31	34-36	21-28	70-80	14-20
Golden eagle	0.5	1/1-8/31	43-45	30-40	66-75	14-20
N. Goshawk	0.5	3/1-8/15	36-38	20-22	34-41	20-22
N. Harrier	0.5	4/1-8/15	32-38	21-28	42	7
Cooper's hawk	0.5	3/15-8/31	32-36	14	27-34	10
Ferruginous hawk	0.5	3/1-8/1	32-33	21	38-48	7-10
Red-tailed hawk	0.5	3/15-8/15	30-35	35	45-46	14-18
Sharp-shinned hawk	0.5	3/15-8/31	32-35	15	24-27	12-16
Swainson's hawk	0.5	3/1-8/31	33-36	20	36-40	14
Turkey vulture	0.5	5/1-8/15	38-41	14	63-88	10-12
California condor	1.0	NN yet	56-58	5-8 weeks	5-6 months	2 months
Peregrine falcon	1.0	2/1-8/31	33-35	14-21	35-49	21
Prairie falcon	0.25	4/1-8/31	29-33	28	35-42	7-14
Merlin	0.5	4/1-8/31	28-32	7	30-35	7-19
American kestrel	NN ²	4/1-8/15	26-32	8-10	27-30	12
Osprey	0.5	4/1-8/31	37-38	30-35	48-59	45-50
Boreal owl	0.25	2/1-7/31	25-32	20-24	28-36	12-14
Burrowing owl	0.25	3/1-8/31	27-30	20-22	40-45	21-28
Flammulated owl	0.25	4/1-9/30	21-22	12	22-25	7-14
Great horned owl	0.25	12/1-9/31	30-35	21-28	40-50	7-14
Long-eared owl	0.25	2/1-8/15	26-28	20-26	30-40	7-14
N. saw-whet owl	0.25	3/1-8/31	26-28	20-22	27-34	7-14
Short-eared owl	0.25	3/1-8/1	24-29	12-18	24-27	7-14
Mex. Spotted owl	0.5	3/1-8/31	28-32	14-21	34-36	10-12
N. Pygmy owl	0.25	4/1-8/1	27-31	10-14	28-30	7-14
W. Screech owl	0.25	3/1-8/15	21-30	10-14	30-32	7-14
Common Barn-owl	NN ²	2/1-9/15	30-34	20-22	56-62	7-14

Appendix 2 – Wildlife Stipulations and Notices

STIPULATIONS

- UT-S-07: In order to protect important sage-grouse winter habitat, exploration, drilling, and other development activity in _____ will be allowed only during the period from March 1 through November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-07: In order to protect important seasonal wildlife habitat, exploration, drilling, and other development activity in the entire lease will be allowed only during the period from April 16 to November 30. This limitation does not apply to maintenance and operation of producing wells. Exceptions to this limitation in any year may be specifically approved in writing by the authorized officer of the Bureau of Land Management.
- UT-S-124: In order to protect important sage-grouse breeding and nesting habitat, exploration, drilling, and other development activity in _____ will be allowed only during the period from June 16 to February 28. This limitation does not apply to maintenance an operation of producing wells. There are no exceptions to this stipulation.
- UT-S-133 In order to protect the colonies of white-tailed prairie dog, no surface occupancy or other surface disturbance will be allowed within 600ft of white-tailed prairie dog towns if activity would result in the destruction of the prairie dog town located _____
- UT-S-146 No occupancy or other surface disturbance will be allowed within white-tail prairie dog towns, if such activity will result in destruction of the prairie dog town. There are no exceptions to this stipulation.
- UT-S-147 In order to protect bald eagle habitat/nesting areas, exploration, and drilling and other development activity within 0.5 mile radius of the sites identified sites will be allowed only from March 16 to November 14. This limitation does not apply to maintenance and operation of producing wells. These areas are also protected year round from any surface disturbing activities which will cause the destruction of roost trees. Exceptions to this limitation may be specifically approved in writing by the authorized office of the Bureau of Land Management (BLM).

NOTICES

- UT-LN-07: Raptor Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Raptor Species and Habitat. Seasonal restrictions to the Surface Use Plan of Operations may be required in order to protect the Raptors and/or habitat in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-13: Burrowing Owl Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Burrowing Owl Habitat. Modification to the Surface Use Plan of Operations may be required in order to protect the Burrowing Owl and/or habitat from surface disturbing activities in accordance with Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.

- UT-LN-23: Crucial Deer Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing Crucial Deer Habitat. Modifications, including seasonal restrictions, may be required to the Surface Use Plan of Operations in order to protect the habitat. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-24: Black Footed Ferret Habitat - The lessee/operator is given notice that lands in this lease have been identified as containing potential Black Footed Ferret Habitat. Modifications to the Surface Use Plan of Operations may be required in order to protect the Black Footed Ferret and/or habitat from surface disturbing activities in accordance with Appendix 2 of the Diamond Mountain Resource Management Plan and EIS, Section 6 of the lease terms, Endangered Species Act, and 43 CFR 3101.1-2.
- UT-LN-37: Utah Sensitive Species Habitat - The Lessee/operator is given notice that the lands in this parcel have been identified as containing historic habitat for named 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, and 43 CFR 3101.1-2.
- UT-LN-46: Sage Grouse Lek Habitat - Exploration, drilling, and other associated development should not be allowed from March 1st to June 15th in order to minimize disturbance to breeding sage grouse. Surface occupancy with historic or presently occupied habitat should be avoided. Permanent development near active or historically active leks should be avoided as they are often considered the focal point of year round activities for non-migratory populations (Braun et. al. 1977. Habitat surrounding the breeding grounds provides the majority of the nesting and early brood rearing habitat. Surveys to determine presence/absence of sage grouse prior to commencing work. To avoid disturbance of leks and nesting habitat during the breeding and nesting period, a 2 mile buffer around leks should remain undisturbed (Connelly e. al. 2000).
- UT-LN-50: Crucial Mule Deer Winter Range - The lessee/operator has been given notice that the area has been identified as containing crucial deer winter range. Usage of the range may occur from November 1 through March 31. Modifications including seasonal restrictions may be required to the Surface Use Plan of Operations in order to protest the winter range. This limitation does not apply to operation and maintenance of producing wells.
- UT-LN-51: Greater Sage-grouse Habitat – BLM Sensitive Species - The lessee/operator is given notice that lands in this lease have been identified as containing habitat for named species on the BLM Sensitive Species List and the Utah Sensitive Species List. Modifications to the Surface Use Plan of Operations may be required in order to protect any sensitive Species and/or habitat from surface disturbing activities in accordance with Section 6 of the Oil and Gas Lease Terms, Endangered Species Act, and 43 CRF 3101.1-2. This notice may be waived, excepted, or modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.
- UT-LN-58: Utah Sensitive Species Pygmy Rabbit - The lessee/operator is given notice that lands in this parcel have been identified as containing habitat for named 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, and 43 CFR 3101.1-2. This notice may be waived, accepted, or

modified by the authorized officer if either the resource values change or the lessee/operator demonstrates that adverse impacts can be mitigated.

- UT-LN-81: Crucial Pronghorn Habitat - The lessee/operator is given notice that the lands in this lease have been identified as crucial pronghorn (antelope) habitat. Modifications, including seasonal restrictions, may be required in the Surface Use Plan of Operations to protect pronghorn habitat.
- UT-LN-82: Crucial Moose Habitat - The lessee/operator is given notice that the area has been identified as containing crucial moose habitat. Modifications, including seasonal/timing restrictions, may be required in the Surface Use Plan of Operations to protect moose habitat.
- T&E-09: Canada Lynx - The Lessee/Operator is given notice that the lands in this parcel contains potential habitat for Canada lynx, a federally listed species. Avoidance or use restrictions may be placed on portions of the lease. Application of appropriate measures will depend on the nature of the proposed development, as well as proposed timing and location. The following avoidance and minimization measures have been designed to ensure activities carried out on the lease are in compliance with the Endangered Species Act. Integration of, and adherence to these measures will facilitate review and analysis of any submitted permits under the authority of this lease. Following these measures could reduce the scope of Endangered Species Act, Section 7 consultation at the permit stage.

Current avoidance and minimization measures are generally adapted from the standards and guidelines listed in Chapter 7 (Conservation Measures) of the LCAS (Ruediger 2000) and include the following:

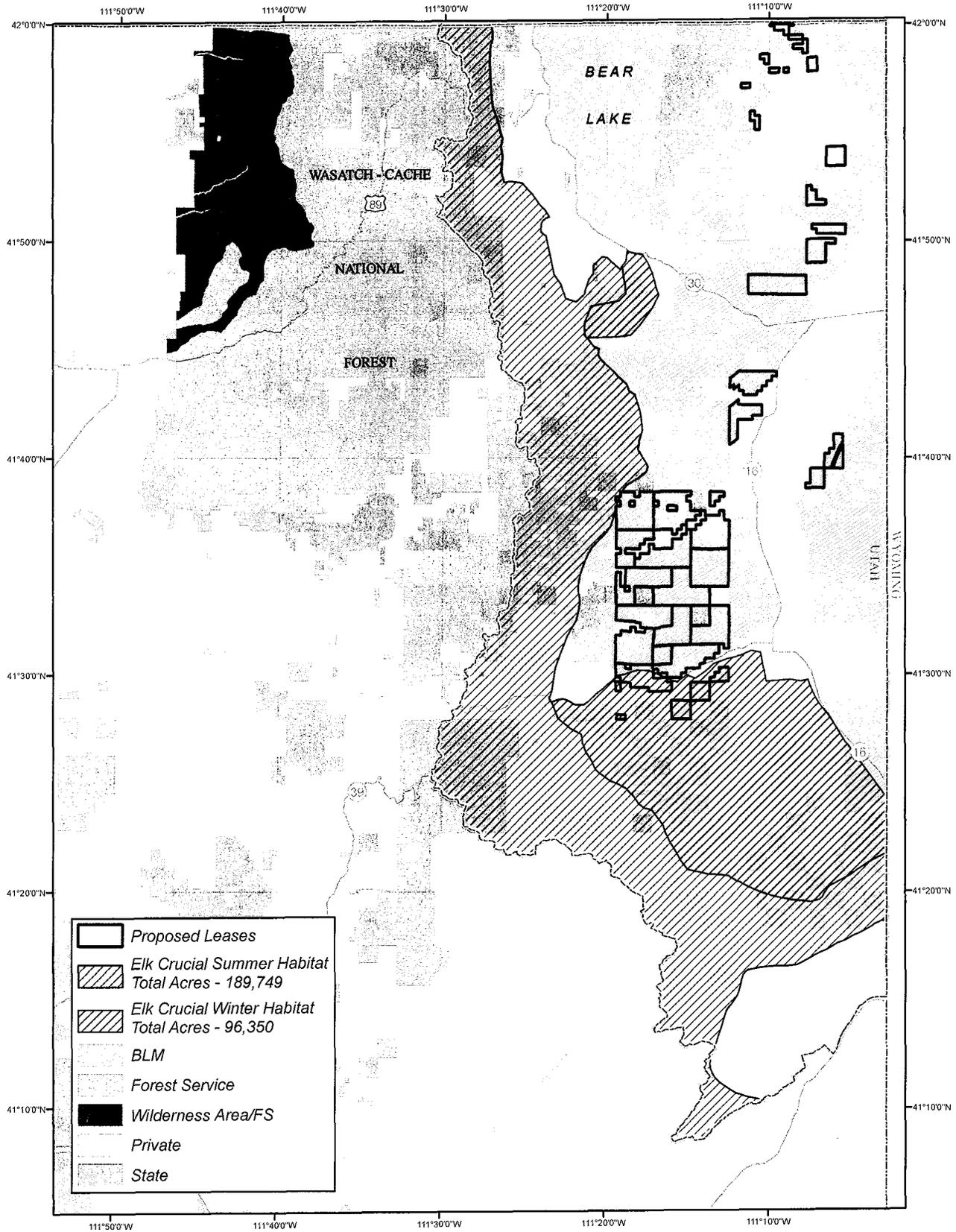
1. Surveys will be required prior to operations unless species occupancy and distribution information is complete and available. All Surveys must be conducted by qualified individual(s), and be conducted according to protocol.
2. Based on data and information gathered in item 1, lease activities within, or in proximity to, occupied lynx habitats will require monitoring throughout the duration of the project. To ensure desired results are being achieved, minimization measures will be evaluated and, if necessary, Section 7 consultation reinitiated.
3. Avoid all surface disturbing actions within occupied denning habitat.
4. Avoid construction and surface disturbing actions in proximity to potential denning habitat during the breeding season (mid-April to July).
5. Activities involved with routine maintenance and operation will only occur during daytime hours, when lynx are least active.
6. Where technically and economically feasible, wells will be remotely monitored within lynx habitat.
7. Limit disturbance to and within suitable habitat by staying on approved access routes.
8. Limit new access routes created by the project.
9. Dirt and gravel roads traversing lynx habitat (particularly those that could become highways) should not be paved or otherwise upgraded (e.g., straightening of curves, widening of roadway etc.) in a manner that is likely to lead to significant increases in traffic volume, traffic speed, increased width of the cleared ROW, or would foreseeably contribute to development or increases in human activity in lynx habitat. When these types of upgrades are proposed, a thorough analysis of potential direct and indirect impacts to lynx and lynx habitat should be conducted.
10. Minimize impacts to habitats that support lynx prey.
11. Where technically and economically feasible, use directional drilling or

multiple wells from the same pad to reduce surface disturbance and to minimize or eliminate drilling in suitable lynx habitat.

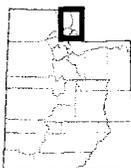
Additional measures may also be employed to avoid or minimize effects to the species at the development stage and will be developed and implemented in consultation with the U.S. Fish and Wildlife Service to ensure continued compliance with the Endangered Species Act.

Attachment 8 – Wildlife Maps

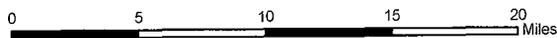
ELK CRUCIAL HABITAT - RICH COUNTY



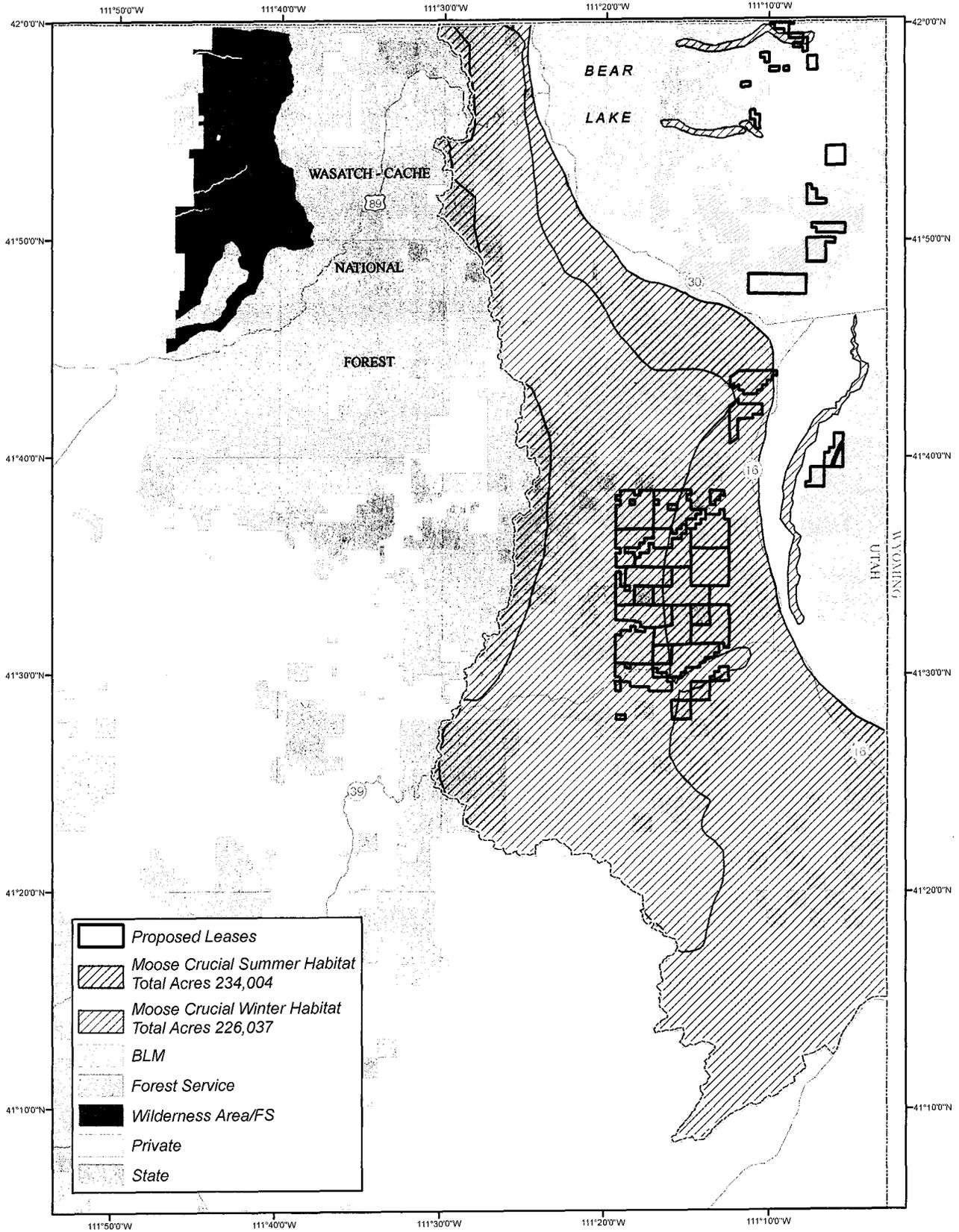
LOCATION



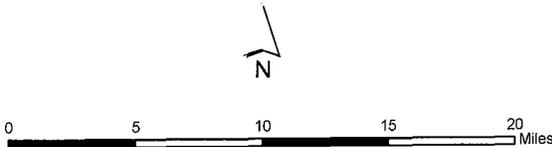
UTAH



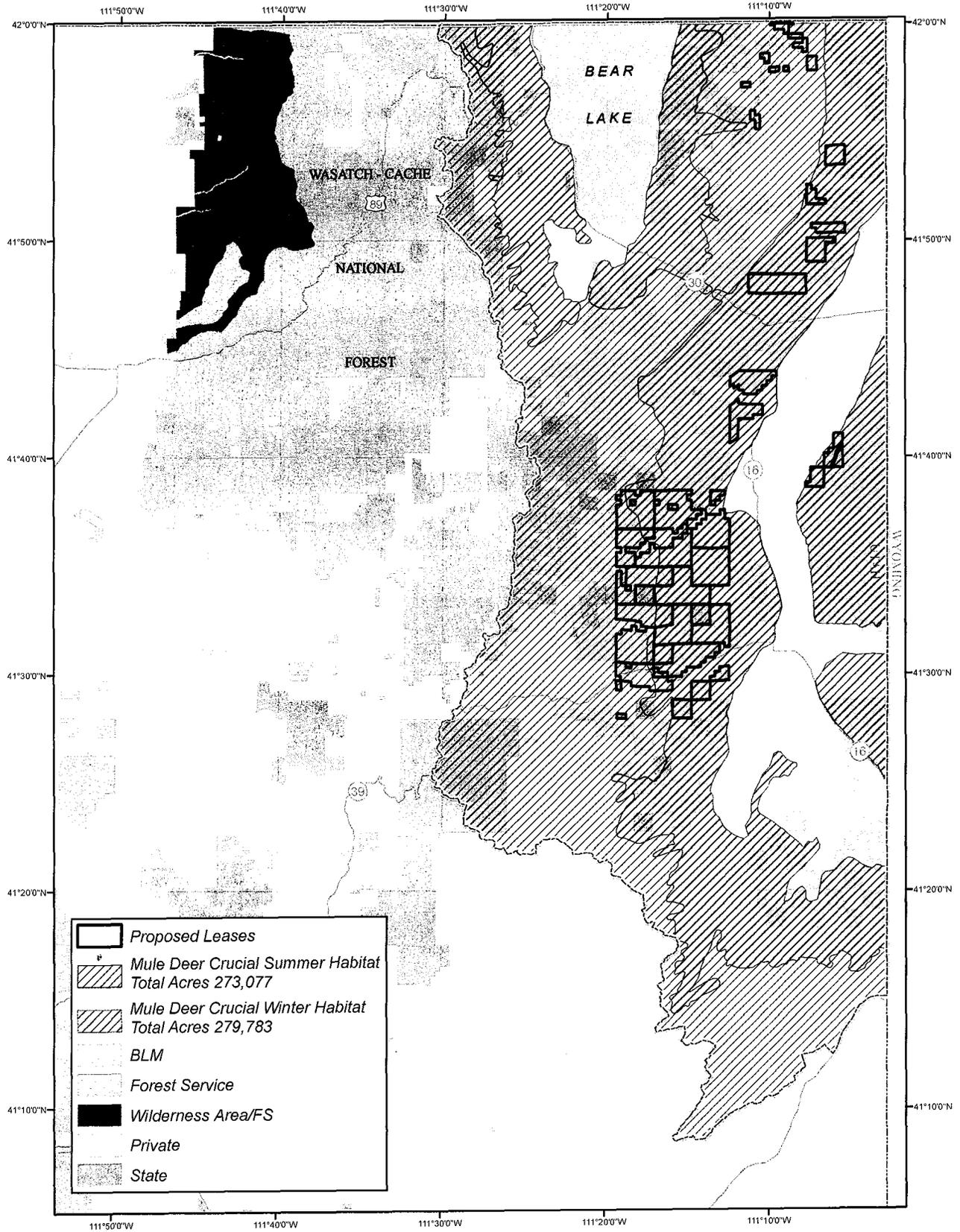
MOOSE CRUCIAL HABITAT - RICH COUNTY



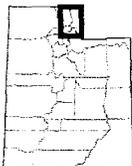
	Proposed Leases
	Moose Crucial Summer Habitat Total Acres 234,004
	Moose Crucial Winter Habitat Total Acres 226,037
	BLM
	Forest Service
	Wilderness Area/FS
	Private
	State



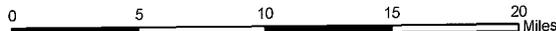
MULE DEER CRUCIAL HABITAT - RICH COUNTY



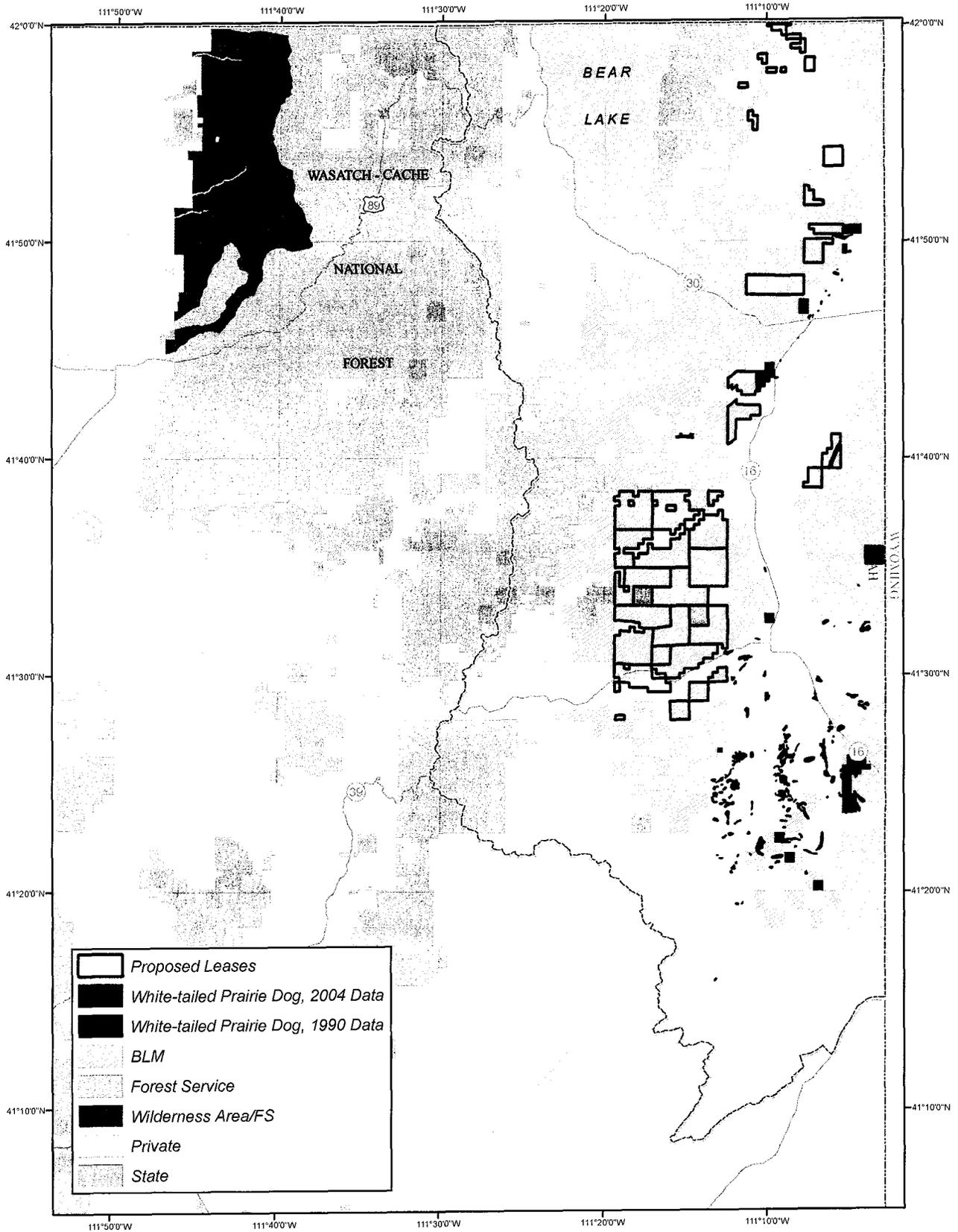
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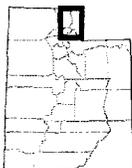
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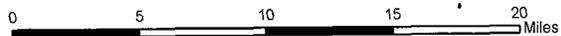
WHITE-TAILED PRAIRIE DOG HABITAT - RICH COUNTY



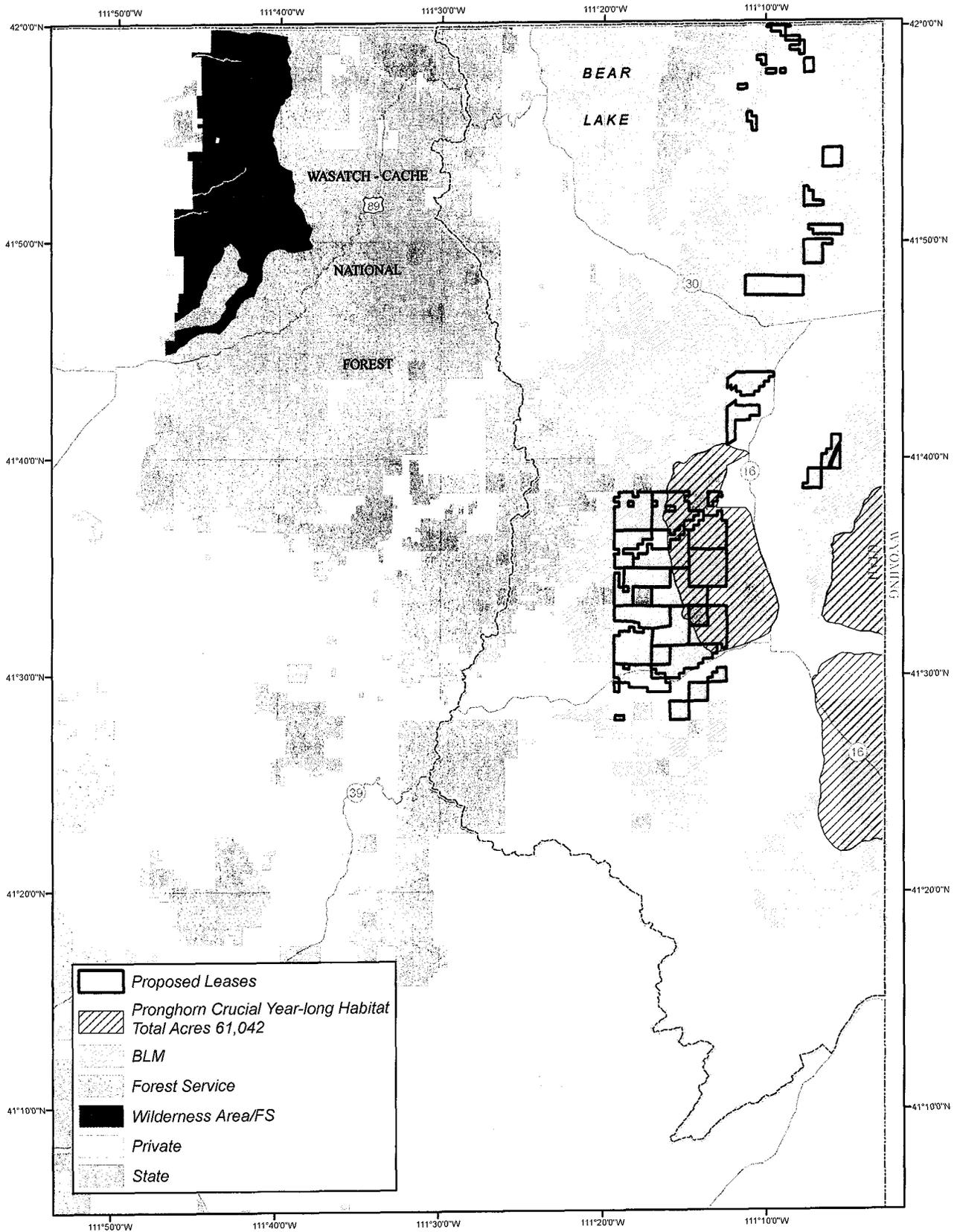
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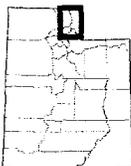
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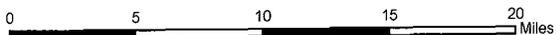
PRONGHORN CRUCIAL HABITAT - RICH COUNTY



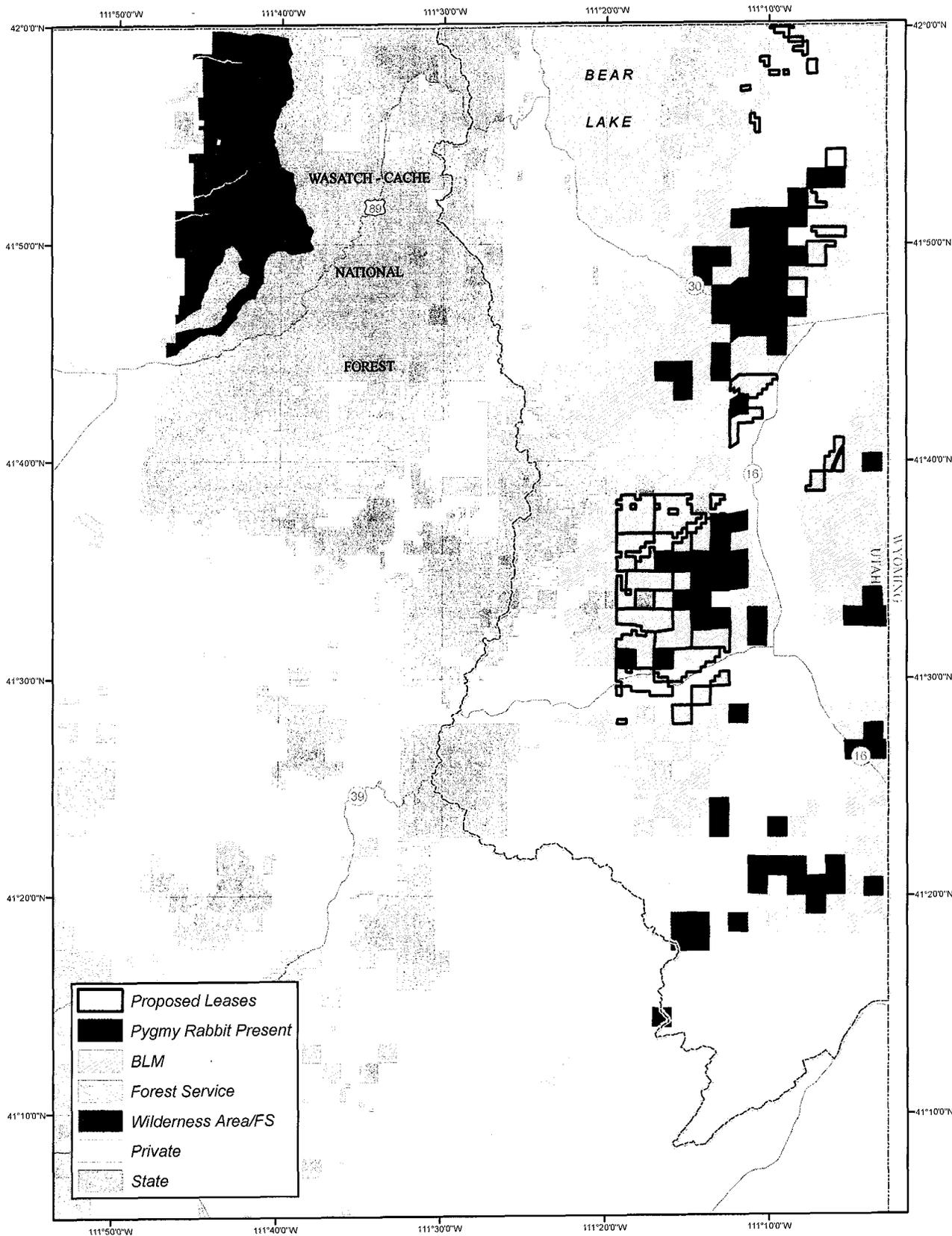
LOCATION



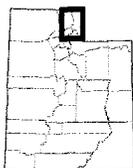
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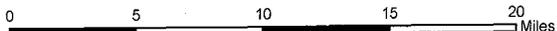
PYGMY RABBIT HABITAT - RICH COUNTY



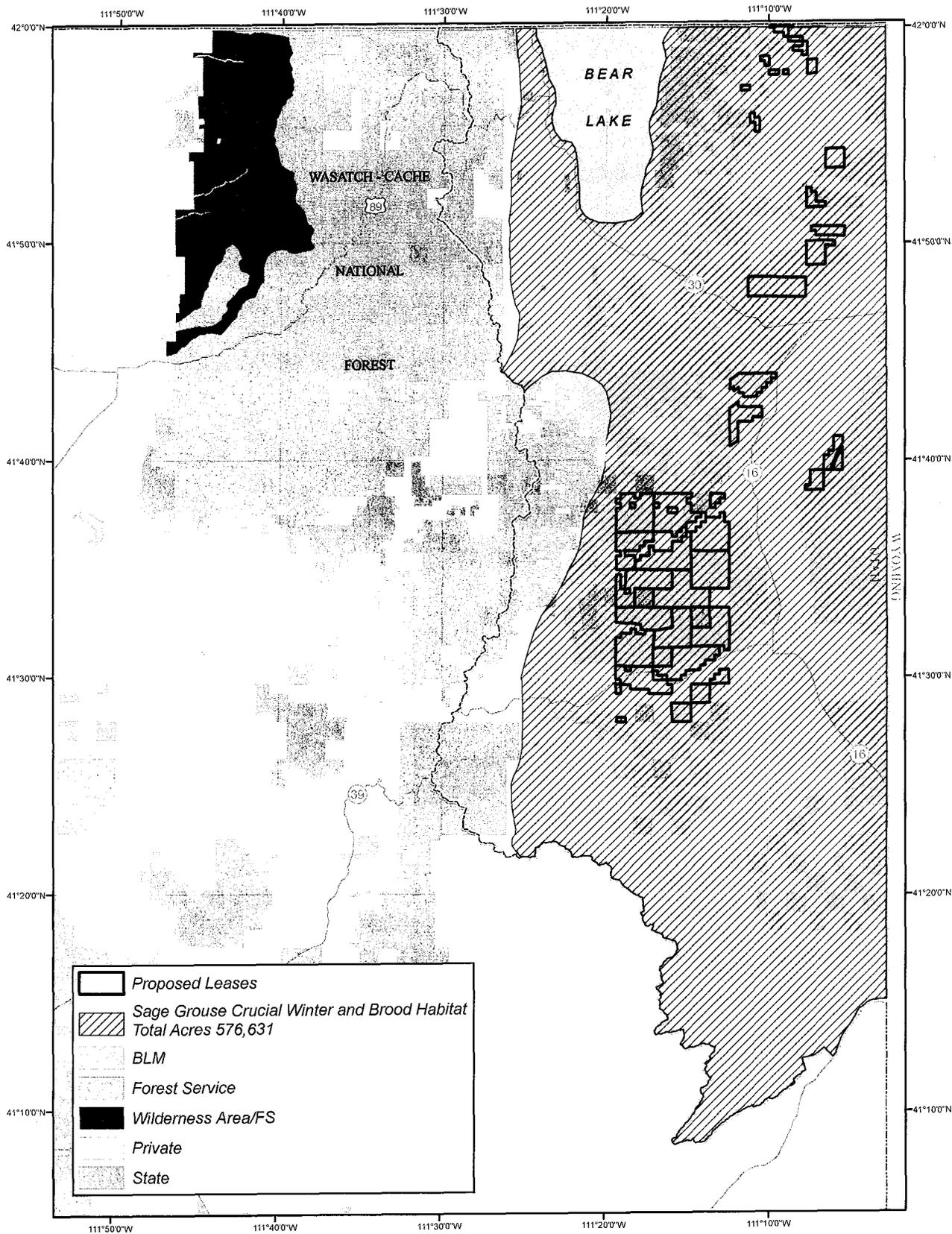
LOCATION



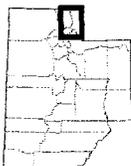
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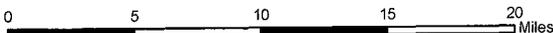
SAGE GROUSE CRUCIAL HABITAT - RICH COUNTY



LOCATION



UTAH



Attachment 9 – Recreation and VRM Report

RECREATION AND VRM REPORT

Introduction

SLFO has 23 parcels (42,105.93 acres) in Rich County.

Methods

Section 1.01 Recreation

Recreation data will be limited to the following. See Table 1 for data corresponding to each parcel.

- Location from a recreation site -- if within, near or adjacent to a managed developed or dispersed site.
- Off-highway vehicle designation, per applicable land use plan – in this case, the Randolph MFP, as indicated on the *Rich County Motorized Vehicle Guide*, USGPO 1980, 778-142.

Recreation use in the area is low to moderate and primarily dispersed with activities mainly consisting of four-wheel driving, dirt bike riding, hunting and camping. Other recreational activities that may occur include mountain biking, hiking, horseback riding, sightseeing, outdoor photography, nature study, rock hounding, wildlife viewing and bird watching. Two developed recreation sites are located in the area: Little Creek and Birch Creek Campgrounds.

The proposed lease parcels are located in areas that are designated as “open”, “limited” and “closed” to off-road vehicle use, under the Randolph MFP.

Wildlife and cultural resources are a component of recreation resources. See these sections in the environmental assessment for specific comments on these resources.

Visual Resources Management

Visual Resources data will be limited to the following. See Table 1 for data corresponding to each parcel.

- Visual Resource Management Class, per applicable land use plan – in this case, the Randolph MFP map for VRM, January 1, 1980. (An update of the plan was done in but no changes were made to the VRM classifications.)

The proposed project area primarily falls within Visual Resource Management Classes III and IV with some Class II.

- The Class II VRM objective is to retain the existing character of the landscape. The level of change to the characteristic landscape should be low. Management activities may be seen but should not attract the attention of the casual observer. Any changes must repeat

the basic elements of form, line, color, and texture found in the predominant natural features of the characteristic landscape.

- The Class III VRM objective is to partially retain the existing character of the landscape. The level of change to the characteristic landscape should be moderate. Management activities may attract attention but should not dominate the view of the casual observer. Changes should repeat the basic elements found in the predominant natural features of the landscape. Changes caused by management activities may be evident and begin to attract attention, but these changes should remain subordinate to the existing landscape.
- The Class IV VRM objective is to allow for management activities that involve major modification of the existing character of the landscape. The level of contrast can be high—dominating the landscape and the focus of viewer attention. However, every attempt should be made to minimize the impact of these activities through careful location, minimal disturbance, and repeating the basic elements of the characteristic landscape.

Analysis

Recreation

Leasing of these parcels of public land may interfere with recreational pursuits in and adjacent to this area if public access is restricted on roads extending through this area. This is especially a concern on Parcel 15, which is immediately adjacent to and nearly surrounds Birch Creek Campground, and Parcel 13, which is within 1 mile of Birch Creek Campground. (All parcels are three or more miles from Little Creek Campground.) However, with the private land in the area, public access to and use of non-public lands is already restricted on some lands and may be restricted on others if the private landowner so desires and there is no public easement.

Actions subsequent to leasing (such as exploration, development, production, abandonment and reclamation) would create disturbances that may affect recreation resources. These effects would consist of construction and maintenance, increased vehicular traffic, and access restrictions during mineral exploration, development and production operations. These activities could affect the abundance of wildlife species available in the area for viewing and/or hunting. Also the sight and sound of mining activities would diminish the solitude, naturalness and primitive and unconfined recreation opportunities desired by many outdoor enthusiasts.

Construction of new roads and pipelines could improve access for some types of recreational activities. However, all recreationists would not necessarily benefit and some would cease using certain areas because of leasing and mining activities.

No Special Recreation Permit events occur within this area, so there would be no conflicts between organized recreation events and lease development activities.

Visual Resources Management

The action of leasing, in itself, would not create any impacts to visual resources. However, the subsequent actions to leasing (exploration, development, production, abandonment and reclamation) would create disturbances that would affect visual resources. This is especially a concern on Parcel 15, which is immediately adjacent to and nearly surrounds Birch Creek Campground, and Parcel 13, which is within 1 mile of Birch Creek Campground. (All parcels are three or more miles from Little Creek Campground.) The specifics for each of these would be analyzed in a separate site-specific environmental analysis completed upon submission of an application or proposal for the parcel.

The subsequent fluid mineral development activities may involve major modification of the existing character of the landscape and create a high level of visual contrast. The colors and linear and geometric forms of mining structures, equipment and facilities would create moderate to strong contrasts with the characteristic landscape. Disturbance and/or removal of vegetation could cause moderate to strong color contrasts. These strong contrasts would be consistent with Class IV VRM objectives but would need to be lessened in the Class III VRM areas. Also, when mining structures, equipment and facilities are installed within Class II VRM areas, special stipulations (worked out with the lease holder on a case-by-case, site specific basis) would be applied to minimize visual impacts. This also would need to apply to Parcels 15 and 13 in order to decrease impacts on recreation visitors to Birch Creek Campground.

Upon removal of oil and gas structures, equipment and facilities and completion of reclamation activities, visual resources would be improved greatly. Reclamation would be designed to restore the characteristic line and color elements present in each parcel. The lessee would be responsible for developing a site-specific reclamation plan prior to exploration and development of the lease and for implementing the plan following cessation of mining activities.

Cumulative/Residual Impacts

Recreation: During mining development, operations may reduce the quality of recreational experiences in adjacent and nearby areas. Also, reduction in public access may limit recreational use of the area. Upon reclamation, recreation activities could be restored to what they were previous to mining operations although access may continue to be restricted in areas that have not been successfully reclaimed. Also, any roads that are left un-reclaimed or only partially reclaimed may continue to be used by recreationists.

Other cumulative impacts within the area could include an increase in unauthorized motorized vehicle routes resulting from the construction of access routes to oil/gas wells. These unauthorized routes could result from cross country use for game retrieving or other recreational activities because constructed roads for gas/oil development would allow for access into areas not previously accessible by motor vehicles.

Visual Resources: Residual impacts on visual resources could remain for ten, twenty or more years following cessation of operations and reclamation until native vegetation is completely reestablished on the parcels. Areas where reclamation is not complete or successful would

continue to contrast with visual resources. Any evidence of reclaimed roads may invite continued use by the general public, thereby perpetuating linear intrusions in the characteristic landscape.

Mitigation Measures

These are as indicated in Table 1 under “Stipulations”. Most parcels are within “Limited” areas, requiring some restrictions on motorized vehicle travel due to 1) unstable watersheds or soils during wet conditions, or 2) critical wildlife areas. A few parcels are within “Closed” areas with a prohibition on motorized vehicle use due to 1) sensitive riparian resources or 2) critical soil erosion conditions.

Parcel Number	Size (ac.)	VRM Class	OHV Classification	Stipulations
UT1107-001	2244	III	“Open” OHV designation on sections 11, 12, 13 and 14. “Limited” OHV designation on all of section 1 and portions of sections 11, 12, 13, and 14 due to unstable watersheds in Limestone Peak area -- “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Motor vehicle restriction on portions of parcel designated as “Limited” during wet conditions, excepted on designated roads.
UT1107-002	2454	VRM Class III on sections 9, 10, and 11. VRM Class III and IV on sections 3 and 4. Per Randolph MFP map January 1, 1980	“Limited” OHV designation on all sections due to unstable watersheds in Limestone Peak area -- “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Section 15 private. No surface occupancy. Motor vehicle restriction on portions of parcel designated as “Limited” during wet conditions, excepted on designated roads.
UT1107-003	2406	VRM Class III for all sections. Section 5 and 6 also include some VRM Class IV.	“Limited” OHV designation on all sections due to unstable watersheds in Limestone Peak area -- “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Motor vehicle restriction on portions of parcel designated as “Limited” during wet conditions, excepted on designated roads.
UT1107-004	320			All sections private land. No surface occupancy.
UT1107-005	2240	III	“Open” OHV designation on entire parcel.	

Parcel Number	Size (ac.)	VRM Class	OHV Classification	Stipulations
UT1107-006	1597	VRM Class III on entire parcel.	Limited OHV designation on sections 17, 18 and 19 due to unstable watersheds -- "Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads." "Open" OHV designation on portions of sections 18 and 19.	Motor vehicle restriction on portions of parcel designated as "Limited" during wet conditions, excepted on designated roads.
UT1107-007	2560	VRM Class III on section 23. VRM Class III and IV on sections 24, 25 and 26.	"Limited" OHV designation on all sections due to Critical Wildlife Range -- "Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads". "Limited" on sections 23 and 24 due to unstable watersheds in Limestone Peak area -- "Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads."	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1. Motor vehicle restriction on portions of parcel designated as "Limited" during wet conditions, excepted on designated roads.
UT1107-008	2560	VRM Class III on all sections. VRM Class III and IV on sections 33, 34 and 35	"Limited" OHV designation on all sections due to Critical Wildlife Range -- "Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads". "Open" OHV designation on portions of sections 27, 33 and 34.	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.
UT1107-009	2316	VRM Class III on entire parcel.	"Open" OHV designation on all sections Small portion of "Closed to all motorized vehicles year round" on section 30, which overlaps part of the Big Creek riparian closure.	No motorized vehicle use on portion of section 30 designated as "Closed" to all motorized vehicle use.
UT1107-010	1980	VRM Class IV on entire parcel.	"Limited" OHV designation on entire parcel due to Critical Wildlife Range -- "Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads".	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.
UT1107-011	1958	VRM Class IV on entire parcel.	"Limited" OHV designation on entire parcel due to Critical Wildlife Range -- "Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads".	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.

Parcel Number	Size (ac.)	VRM Class	OHV Classification	Stipulations
UT1107-012	1897	VRM Class III and IV on all sections.	“Limited” OHV designation on all sections due to Critical Wildlife Range -- “Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads”. Portions of sections 5 and 6 also “open” OHV designation.	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.
UT1107-013	2305	VRM Class IV on all sections with portions of VRM Class II on sections 17 and 18.	“Limited” OHV designation on all sections due to Critical Wildlife Range -- “Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads”.	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.
UT1107-014	2200	VRM Class IV on all sections with portions of VRM Class II on sections 13 and 21 and portions of VRM Class III on section 13.	“Limited” OHV designation on all sections due to Critical Wildlife Range -- “Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads”.	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.
UT1107-015	1965	VRM Class II on sections 19, 20 and 31 with portions of VRM Class IV on sections 19 and 20	“Limited” OHV designation on sections 19 and 20 due to Critical Wildlife Range – “Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads”. “Limited” OHV designation on public portion of section 31 with some “Closed to all motorized vehicles year round” area along Woodruff Creek. Limited area is due to Critical deer, elk and moose winter range: Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1. Open the remainder of the year subject to permission of landowner who controls access”.	Sections 21, 28, 29 and 30 all private. No surface occupancy. No motor vehicle use on “Closed” portion of section 31. Motor vehicle restrictions on sections 19 and 20 from Nov. 15 – May 1, except on designated routes. Also restrictions from private landowner.

Parcel Number	Size (ac.)	VRM Class	OHV Classification	Stipulations
UT1107-016	1640	VRM Class II and IV on all sections with small portion of VRM Class III on section 24.	“Limited” OHV designation on entire parcel due to Critical deer, elk and moose winter range: Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1. Open the remainder of the year subject to permission of landowner who controls access”.	Motor vehicle restrictions on entire parcel from Nov. 15 – May 1, except on designated routes. Also restrictions from private landowner.
UT1107-017	330			Entire parcel private land. No surface occupancy.
UT1107-018	1079			Entire parcel private land. No surface occupancy.
UT1107-019	2404	VRM Class IV on entire parcel.	“Open” OHV designation on all of section 14 and portions of sections 25 and 26. Small portion of sections 25 and 26 “closed” to all motorized vehicle travel year round due to critical erosion condition of the soil. “Limited” OHV designation on section 35 due to unstable watersheds: “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Section 1 private land. No surface occupancy. No motor vehicle use on “Closed” portions of sections 25 and 26. Motor vehicle restriction on portion of section 35 during wet conditions, excepted on designated roads.
UT1107-020	1920	VRM Class III on entire parcel, except for private land.	“Limited” OHV designation on entire parcel due to unstable watersheds -- “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Motor vehicle restriction on portions of parcel designated as “Limited” during wet conditions, excepted on designated roads.
UT1107-021	1372	VRM Class III and IV on all sections with portions of VRM Class IV on sections 4, 5 and 6.	“Limited” OHV designation on entire parcel due to unstable watersheds -- “Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads.”	Motor vehicle restriction on portions of parcel designated as “Limited” during wet conditions, excepted on designated roads.

Parcel Number	Size (ac.)	VRM Class	OHV Classification	Stipulations
UT1107-022	1101	VRM Class III and IV on all sections.	"Limited" OHV designation on all sections due to unstable watersheds -- "Closed to all motorized wheeled vehicles when posted during wet conditions except on designated roads."	Motor vehicle restriction on portions of parcel designated as "Limited" during wet conditions, excepted on designated roads.
UT1107-023	1250	VRM Class II on all of section 25 and 35 and portion of section 24. VRM Class III on portion of section 24.	"Limited" OHV designation on all sections due to Critical Wildlife Range -- "Closed to all motorized wheeled vehicles and over the snow machines from November 15 to May 1 except on designated roads".	No motorized vehicle use on parcel except on designated routes from Nov. 15 – May 1.