

ENDANGERED SPECIES ACT
SECTION 7 CONSULTATION STIPULATION

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a 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 modifications of a designated or proposed critical habitat. BLM will not approve any ground-disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act, 16 USC § 1531 *et seq.*, as amended, including completion of any required procedure for conference or consultation.

CULTURAL RESOURCE PROTECTION
LEASE STIPULATION

This lease may be found to contain historic properties or resources protected under the National Historic Preservation Act, American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, EO 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 exploration or development proposals to be modified to protect such properties, or it may disapprove any activity that is likely to result in adverse effects that could not be successfully avoided, minimized, or mitigated.

LEASE STIPULATIONS
BUREAU OF RECLAMATION

The Lessee agrees to maintain, if required by the lessor during the period of this lease, including any extension thereof, an additional bond with qualified sureties in such sum as the lessor, if it considers that the bond required under Section 2(a) is insufficient, may at any time require:

(a) to pay for damages sustained by any reclamation homestead entryman to his crops or improvements caused by drilling or other operations of the lessee, such damages to include the reimbursement of the entryman by the lessee, when he uses or occupies the land of any homestead entryman, for all construction and operation and maintenance charges becoming due during such use or occupation upon any portion of the land so used and occupied;

(b) to pay any damage caused to any reclamation project or water supply thereof by the lessee's failure to comply fully with the requirements of this lease; and

(c) to recompense any non-mineral applicant, entryman purchaser under the Act of May 16, 1930 (46 Stat. 367), or patentee for all damages to crops or to tangible improvements caused by drilling or other prospecting operations, where any of the lands covered by this lease are embraced in any nonmineral application, entry, or patent under rights initiated prior to the date of this lease, with a reservation of the oil deposits, to the United States pursuant to the Act of July 17, 1914 (38 Stat. 509).

As to any lands covered by this lease within the area of any Government reclamation project, or in proximity thereto, the lessee shall take such precautions as required by the Secretary to prevent any injury to the lands susceptible to irrigation under such project or to the water supply thereof; *provided* that drilling is prohibited on any constructed works or right-of-way of the Bureau of Reclamation, and *provided, further*, that there is reserved to the lessor, its successors and assigns, the superior and prior right at all times to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, and reclamation works, in which construction, operation, and maintenance, the lessor, its successors and assigns, shall have the right to use any or all of the lands herein described without making compensation therefore, and shall not be responsible for any damage from the presence of water thereon or on account of ordinary, extraordinary, unexpected, or unprecedented floods. That nothing shall be done under this lease to increase the cost of, or interfere in any manner with, the construction, operation, and maintenance of such works. It is agreed by the lessee that, if the construction of any or all of said dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone or telegraph lines electric transmission lines, roadways, appurtenant irrigation structures or reclamation works across, over, or upon said lands should be made more expensive by reason of the existence of the improvements and workings of the lessee thereon, said additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States, or its successors, constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, appurtenant irrigation structures, or reclamation works, across, over, or upon said lands; *provided, however*, that subject to advance written approval by the United States the location and course of any improvements or works and appurtenances may be changed by the lessee; *provided further*, that the reservations, agreements, and conditions contained in the within lease shall be and remain applicable notwithstanding any change in the location or course of said improvements or works of lessee. The lessee further agrees, that the United States, its officers, agents, and employees, and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above enumerated. Nothing in this paragraph shall be construed as in any manner limiting other reservations in favor of the United States contained in this lease.

THE LESSEE FURTHER AGREES That there is reserved to the lessor, its successors and assigns, the prior right to use any of the lands herein leased, to construct, operate, and maintain dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures, and also the right to remove construction materials therefrom, without any payment made by the lessor or its successors for such right, with the agreement on the part of the lessee that if the construction of any or all of such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or the removal of construction

materials therefrom, should be made more expensive by reason of the existence of improvements or workings of the lessee thereon, such additional expense is to be estimated by the Secretary of the Interior, whose estimate is to be final and binding upon the parties hereto, and that within thirty (30) days after demand is made upon the lessee for payment of any such sums, the lessee will make payment thereof to the United States or its successors constructing such dams, dikes, reservoirs, canals, wasteways, laterals, ditches, telephone and telegraph lines, electric transmission lines, roadways, or appurtenant irrigation structures across, over, or upon said lands or removing construction materials therefrom. The lessee further agrees that the lessor, its officers, agents, and employees and its successors and assigns shall not be held liable for any damage to the improvements or workings of the lessee resulting from the construction, operation, and maintenance of any of the works herein above enumerated. Nothing contained in this paragraph shall be construed as in any manner limiting other reservations in favor of the lessor contained in this lease.

SPECIAL STIPULATION - BUREAU OF RECLAMATION

To assist in preventing damage to any Bureau of Reclamation dams, reservoirs, canals, ditches, laterals, tunnels, and related facilities, and contamination of the water supply therein, and to avoid interference with recreation development and/or impacts to fish and wildlife habitat, the lessee agrees that the following conditions shall apply to all exploration and developmental activities and other operation of the works thereafter on lands covered by this lease:

1. Prior to commencement of any surface-disturbing work including drilling, access road work, and well location construction, a surface use and operations plan will be filed with the appropriate officials. A copy of this plan will be furnished to the Resource Division Manager, Lahontan Basin Area Office, Bureau of Reclamation, 705 North Plaza Street, Room 320, Carson City, Nevada 89701, for review and consent prior to approval of the plan. Such approval will be conditioned on reasonable requirements needed to prevent soil erosion, water pollution, and unnecessary damages to the surface vegetation and other resources, including cultural resources, of the United States, its lessees, permittees, or licensees, and to provide for the restoration of the land surface and vegetation. The plan shall contain provisions as the Bureau of Reclamation may deem necessary to maintain proper management of the water, recreation, lands, structures, and resources, including cultural resources, within the prospecting drilling, or construction area.

Drilling sites for all wells and associated investigations such as seismograph work shall be included in the above- mentioned surface use and operation plan.

If later explorations require departure from or additions to the approved plan, these revisions or amendments, together with a justification statement for proposed revisions, will be submitted for approval to the Resource Division Manager, Lahontan Basin Area Office, Bureau of Reclamation, or their authorized representative.

Any operations conducted in advance of approval of an original, revised, or amended prospecting plan, or which are not in accordance with an approved plan constitute a violation of the terms of this lease. The Bureau of Reclamation reserves the right to close down operations until such corrective action, as is deemed necessary, is taken by the lessee.

2. No occupancy of the surface of the following areas is authorized by this lease. It is understood and agreed that the use of these areas for Bureau of Reclamation purposes is superior to any other use. The following restrictions apply only to mineral tracts located within the boundary of a Bureau of Reclamation project where the United States owns 100 percent of the fee mineral interest.

- a. Within 500 feet on either side of the centerline of any and all roads or highways within the leased area.
- b. Within 200 feet on either side of the centerline of any and all trails within the leased area.
- c. Within 500 feet of the normal high-water line of any and all live streams in the leased area.
- d. Within 400 feet of any and all recreation developments within the leased area.

- e. Within 400 feet of any improvements either owned, permitted, leased, or otherwise authorized by the Bureau of Reclamation within the leased area.
- f. Within 200 feet of established crop fields, food plots, and tree/shrub plantings within the leased area.
- g. Within 200 feet of slopes steeper than a 2:1 gradient within the leased area.
- h. Within established rights-of-way of canals, laterals, and drainage ditches within the leased area.
- i. Within a minimum of 500 feet horizontal from the centerline of the facility or 50 feet from the outside toe of the canal, lateral, or drain embankment, whichever distance is greater, for irrigation facilities without clearly marked rights-of-way within the leased area.
- j. Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected, Reclamation may consider, on a case-by-case basis, waiving the requirement specified in Section 2 hereof. **HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.**

3. No occupancy of the surface or surface drilling will be allowed in the following areas. In addition to, no directional drilling will be allowed that would intersect the subsurface zones delineated by a vertical plane in these areas. The following restrictions apply only to mineral tracts located within the boundary of a Bureau of Reclamation project where the United States owns 100 percent of the fee mineral interest.

- a. Within 1,000 feet of the maximum water surface, as defined in the Standard Operating Procedures (SOP), of any reservoirs and related facilities located within the leased area.
- b. Within 2,000 feet of dam embankments and appurtenance structures such as spillway structures, outlet works, etc.
- c. Within one-half (1/2) mile horizontal from the centerline of any tunnel within the leased area.
- d. Providing that appropriate environmental compliance measures can be ensured, and providing further that Reclamation project works and other public interests can be protected. Reclamation may consider, on a case-by-case basis, waiving the requirements specified in Section 3 hereof. **HOWEVER, LESSEES ARE ADVISED THAT OBTAINING SUCH A WAIVER CAN BE A DIFFICULT, TIME CONSUMING, AND COSTLY PROCESS WITH NO GUARANTEE THAT RECLAMATION WILL GRANT THE REQUESTED WAIVER.**

4. The distances stated in items 2 and 3 above are intended to be general indicators only. The Bureau of Reclamation reserves the right to revise these distances as needed to protect Bureau of Reclamation facilities.

5. There will be no discharges into any Bureau of Reclamation water delivery or drainage facilities.

6. Lessee shall not use Bureau of Reclamation operation and maintenance roads for lease related access without prior written approval of the Bureau of Reclamation.

7. The use of explosives in any manner shall be so controlled that the works and facilities of the United States, its successors and assigns, will in no way be endangered or damaged. In this connection, an explosives use plan shall be submitted to and approved by the Resource Division Manager, Lahontan Basin Area Office, Bureau of Reclamation, or their authorized representative.

8. There is also reserved to the United States, the right of its officers, agents, employees, licensees and permittees, at all proper times and places freely to have ingress to, passage over, and egress from all of said lands for the purpose of exercising, and protecting the rights reserved herein.

9. The Lessor reserves the ownership of brines and condensates and the right to receive or take possession of all or any part thereof following the extraction or utilization by Lessee of the heat energy and byproducts other than demineralized water associated therewith subject to such rules and regulations as shall be prescribed by the Secretary of the Interior. If the Lessor elects to take the brines and condensates, the Lessee shall deliver all or any portion thereof to the Lessor at any point in the Lessee's geothermal gathering system after separation of the steam and brine products or from the disposal system as specified by the Lessor for the extraction of said brines and condensates by such means as the Lessor may provide and without cost to the Lessee.

There is no obligation on the part of the Lessor to exercise its reserved rights. The Lessor shall not be liable in any manner if those rights are not exercised, and, in that event, the Lessee shall dispose of the brines and condensates in accordance with applicable laws, rules and regulations. The Lessor reserves the right to conduct on the leased lands, testing and evaluation of geothermal resources which the Lessor determines are required for its desalination research programs for utilization of geothermal fluids. These programs may include shallow temperature gradient hole underground exploration, if they are conducted in a manner compatible with lease operations and the production by Lessee of geothermal steam and associated geothermal resources.

Lessor reserves the right to erect, maintain, and operate any and all facilities, pipelines, transmission lines, access roads, and appurtenances necessary for desalination on the leased premises. Any desalting plants, piping, wells, or other equipment installed by the Lessor on the leased premises shall remain the property of the Lessor; and the Lessee shall conduct his operations in a manner compatible with the operation and maintenance of any desalting plants, piping, wells, or other equipment installed by the Lessor. Any brines and condensates removed by the Lessor shall be replaced without cost to the Lessee with fluids as compatible with reservoir fluids as the brines or condensates that the Lessor removed and where the Lessor and Lessee determine that they are needed by the Lessee for his operation or for reinjection into the geothermal anomalies.

The Lessor and the Lessee, if authorized by law, may enter into cooperative agreements for joint development and production of geothermal resources from the leased premises consistent with applicable laws and regulations. Any geophysical, geological, geochemical, and reservoir hydraulic data collected by either the Bureau of Reclamation or the Lessee will be made available upon request to the other party, and the data furnished to Reclamation by the Lessee shall be considered confidential so long as the following conditions prevail:

a. Until the Lessee notifies Reclamation that there is no requirement to retain the submitted data in confidential status or until Lessee relinquishes all interest in the leased area from where the information was obtained.

b. Reclamation shall not incorporate data received from the Lessee in its publications or reports during the period that confidential data are being retained without written authorization from the Lessee.

c. Information obtained by Reclamation, and upon request submitted to the Lessee, shall not be used in publications or reports issued by Lessee without written consent of Reclamation until the data have been published or otherwise given distribution by Reclamation.

10. Bureau of Reclamation will review all road or bridge crossings, piping or closure of any reclamation project feature, and review NEPA and Cultural clearances on an individual basis.

11. The lessee shall be liable for all damage to the property of the United States, its successors and assigns, resulting from the exploration, development, or operation of the works contemplated by this lease, and shall further hold the United States, its successors and assigns, and its officers, agents, and employees, harmless from all claims of third parties for injury or damage sustained or in any way resulting from the exercise of the rights and privileges conferred by this lease.

12. The lessee shall be liable for all damage to crops or improvements of any entryman, nonmineral applicant, or patentee, their successors and assigns, caused by or resulting from the drilling or other operations of the lessee, including reimbursement of any entryman or patentee, their successors and assigns, for all construction, operation,

and maintenance charges becoming due on any portion of their said lands damaged as a result of the drilling or other operations of the lessee.

13. In addition to any other bond required under the provisions of this lease, the lessee shall provide such bond as the United States may at any time require for damages which may arise under the liability provisions of sections eleven (11) and twelve (12) above.

Description of Lands

PARCEL NV-09-07-007

ALL LANDS

PARCEL NV-09-07-015

ALL LANDS

PARCEL NV-09-07-016

ALL LANDS

PARCEL NV-09-07-017

ALL LANDS

PARCEL NV-09-07-020

ALL LANDS

BOR STIPS

MATERIAL SITE STIPULATION

The lessee accepts this lease subject to the right of the State of Nevada to remove road building material from the land embraced in Material Site No. (see below) and agrees that its operations will not interfere with the material operations of the Department of Transportation.

Description of Lands

PARCEL NV-09-07-016 <u>Nev044286</u>	T. 20 N., R. 28 E., MDM, Nevada sec. 02, lots 1-4, S2N2, S2 (within).
PARCEL NV-09-07-017 <u>Nev044286</u>	T. 20 N., R. 28 E., MDM, Nevada sec. 12, all (within).
PARCEL NV-09-07-019 <u>Nev037982</u>	T. 46 N., R. 28 E., MDM, Nevada sec. 13, E2, W2NW, SW (within).
PARCEL NV-09-07-022 <u>Nev037963</u>	T. 47 N., R. 30 E., MDM, Nevada sec. 19, all (within).
PARCEL NV-09-07-113 <u>CC022411</u>	T. 19 N., R. 64 E., MDM, Nevada sec. 34, N2, NWSW, N2SE (within).

Threatened, Endangered, and Special Status Species

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. 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 that may affect any such species or critical habitat until it complete 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.

Authority: BLM Washington Office Instruction Memorandum 2002-174; Endangered Species Act

Description of Lands

PARCEL NV-09-07-099 THRU PARCEL NV-09-07-107	ALL LANDS
PARCEL NV-09-07-115 THRU PARCEL NV-09-07-116	ALL LANDS

Raptor nesting sites

This lease may contain lands with active raptor nesting sites. These lands are subject to seasonal protection from disturbance to avoid displacement and mortality of raptor young.. Restrictions apply up to a 0.5 mile radius around the active nesting sites of the following species during the period described. The entire Elko District may provide suitable nesting for one or more of the species listed below.

- a) Golden Eagles and Great Horned Owls during the period 1/1-6/30, inclusive.
- b) Long-eared Owls during the period 2/1-5/15, inclusive.
- c) Prairie Falcons during the period 3/1-6/30, inclusive.
- d) Ferruginous Hawks, Northern Harriers, and Barn Owls during the period 3/1-7/31, inclusive.
- e) Goshawk and Sharp-shinned Hawks during the period 3/15-7/15, inclusive.
- f) Cooper’s Hawks, Kestrels, and Burrowing Owls during the period 4/1-6/30, inclusive.
- g) Red-tailed and Swainson’s Hawk during the period 4/1-7/15, inclusive.
- h) Short-eared Owls during the period 2/1-6/15, inclusive.

Authority/Supporting Documentation: Wells RMP ROD (p. 25); Elko RMP ROD (p. 25), Birds of the Great Basin, 1985; State Director Decision: Horse Canyon Decision, 2005;

Description of Lands

PARCEL NV-09-07-099 THRU PARCEL NV-09-07-107	ALL LANDS
PARCEL NV-09-07-115 THRU PARCEL NV-09-07-116	ALL LANDS

Cultural resources

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.

Authority: BLM Washington Office Instruction Memorandum 2005-03

Description of Lands

PARCEL NV-09-07-099 THRU PARCEL NV-09-07-107	ALL LANDS
PARCEL NV-09-07-115 THRU PARCEL NV-09-07-116	ALL LANDS

Mule Deer Crucial Winter Range

This lease contains lands which have been identified as mule deer crucial winter range (BLM EA 2005/030, September 2005). These lands are subject to seasonal protection from disturbance to avoid displacement and mortality to animals during the winter. A map of mule deer crucial winter range can be found in BLM EA 2005-030.

- a) Seasonal restrictions from disturbance in mule deer crucial winter ranges apply during the period 11/15-3/16, inclusive.

Authority/Supporting Documentation: Wells RMP ROD (p. 10); Elko RMP ROD (pg. 3); Field Guide to Mammals (1976)

Description of Lands

PARCEL NV-09-07-115
THRU
PARCEL NV-09-07-116

ALL LANDS

Pronghorn Antelope Crucial Winter Range

This lease contains lands which have been identified as pronghorn antelope crucial winter range(BLM EA 2005/030, September 2005). These lands are subject to seasonal protection from disturbance to avoid displacement and mortality to animals during the winter. A map of pronghorn antelope crucial winter range can be found in BLM EA 2005/030.

- a) Seasonal restrictions from disturbance in pronghorn antelope crucial winter ranges apply during the period 11/15-3/16, inclusive.

Authority/Supporting Documentation: Wells RMP ROD (p. 25); Elko RMP ROD (p. 3); Field Guide to Mammals (1976)

Description of Lands

PARCEL NV-09-07-099 THRU PARCEL NV-09-07-100	ALL LANDS
PARCEL NV-09-07-102	ALL LAND
PARCEL NV-09-07-104 THRU PARCEL NV-09-07-106	ALL LANDS
PARCEL NV-09-07-116	ALL LANDS

Sage Grouse Strutting Ground (Leks)

This lease contains lands which have been identified as sage grouse strutting grounds (leks) that are subject to seasonal protection from disturbance. A map of known sage grouse leks as of May 2005 can be found in BLM EA 2005/030. Additional leks may be identified in the future.

- a) No Surface Occupancy is permitted within 0.5 miles, or other, lesser, appropriate distance based on site-specific conditions, of sage grouse leks.

Authority/Supporting Documentation: Wells RMP ROD (p. 10); Elko RMP ROD (p. 35); Management Guidelines for Sage Grouse and Sagebrush Ecosystems in Nevada, 2000; State Director Decision: Horse Canyon Decision, 2005

Description of Lands

PARCEL NV-09-07-103

ALL LANDS

PARCEL NV-09-07-116

ALL LANDS

GEO-010-05-07

Sage Grouse Brood Rearing Areas

This lease contains lands which have been identified as sage grouse brood rearing areas that are subject to seasonal protection from disturbance.

- a) Seasonal restrictions from disturbance in sage grouse brood rearing areas apply within 0.5 miles or other appropriate distance based on site-specific conditions from 5/15 to 8/15, inclusive. This restriction does not apply to operating facilities.

Authority/Supporting Documentation: Wells RMP ROD (p. 25); Elko RMP ROD (p. 3 and 36) Management Guidelines for Sage Grouse and Sagebrush Ecosystems in Nevada, 2000, State Director Decision: Horse Canyon Decision, 2005

Description of Lands

PARCEL NV-09-07-102 THRU PARCEL NV-09-07-107	ALL LANDS
PARCEL NV-09-07-115 THRU PARCEL NV-09-07-116	ALL LANDS

Sage Grouse Crucial Winter Habitat

This lease contains lands which have been identified as sage grouse crucial winter habitat that are subject to seasonal protection from disturbance. This stipulation does not apply to operating facilities.

a) Seasonal restrictions from disturbance in sage grouse crucial winter habitat apply during the period November 1 to March 15.

Authority/Supporting Documentation: Wells RMP ROD (p. 22 and 25); Elko RMP ROD; Management Guidelines for Sage Grouse and Sagebrush Ecosystems in Nevada, 2000;

	<u>Description of Lands</u>
PARCEL NV-09-07-099 THRU PARCEL NV-09-07-100	ALL LANDS
PARCEL NV-09-07-102	ALL LANDS
PARCEL NV-09-07-115 THRU PARCEL NV-09-07-116	ALL LANDS

I-80 “low visibility corridor”

This parcel includes lands within the I-80 Visual Corridor. Visual impacts are to be minimized within 1.5 miles on either side of Interstate 80. Within this three-mile wide Low Visibility Corridor, the objective is for management actions not to be evident in the characteristic landscape. Management objectives for Class II VRM areas will be used as a guideline when evaluating projects within the Low Visibility Corridor. 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.

Authority: Wells RMP ROD (p. 3); Elko RMP ROD (p. 1); Elko Field Office IM NV-2004-013)

Description of Lands

PARCEL NV-09-07-100
THRU
PARCEL NV-09-07-101

ALL LANDS

GEO-010-05-10

Congressionally designated historic trails

This parcel includes lands within one mile of the center of Congressionally designated historic trails. Fluid mineral leasing activities within one mile of the center of Congressionally designated historic trails may be limited or modified to protect the historical and scenic values of the trails.

Authority: Nevada BLM Instruction Memorandums 2004-004 and 2004-006

Description of Lands

PARCEL NV-09-07-099
THRU
PARCEL NV-09-07-101

ALL LANDS

Threatened, Endangered, or other special status species

All development activities proposed under the authority of this lease are subject to the requirement for Native American consultation prior to BLM authorizing the activity. Depending on the nature of the lease developments being proposed and the resources of concerns to tribes potentially affected, Native American consultation and resulting mitigation measures to avoid significant impacts may extend time frames for processing authorizations for development activities, as well as, change in the ways in which developments are implemented.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

	<u>Description of Lands</u>
PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS

PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068 THRU PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084 THRU PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

National Historic Protection

All surface disturbing activities proposed after issuance of the lease are subject to compliance with Section 106 of the National Historic Protection Act (NHPA) and its implementation through the protocol between the BLM Nevada State Director and the Nevada State Historic Preservation Officer.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

	<u>Description of Lands</u>
PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS

PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068 THRU PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084 THRU PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

No Surface Occupancy

No surface occupancy within the setting of National Register eligible Traditional Cultural Properties (TCPs) where integrity of the setting is critical to their eligibility.

For development and production phases, surface occupancy may be limited to a specific distance or precluded at hot springs, pending conclusion of the Native American consultation process.

Black Warrior Peak has been identified by tribes in the past as a TCP/Sacred site. NAC is not yet completed. After consultation the areas of NOS will be defined.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

	<u>Description of Lands</u>
PARCEL NV-09-07-001	ALL LANDS
PARCEL NV-09-07-002	ALL LANDS
PARCEL NV-09-07-003	ALL LANDS

No Surface Occupancy

No surface occupancy in or near TCPs or sacred sites.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

	<u>Description of Lands</u>
PARCEL NV-09-07-003	ALL LANDS
PARCEL NV-09-07-021	T. 23 N., R. 29 E., MDM, Nevada sec. 02, S2SE; sec. 10, NW; sec. 12, W2NW.
PARCEL NV-09-07-052	T. 25 N., R. 35 E., MDM, Nevada sec. 22, E2SW, SE.
PARCEL NV-09-07-058	T. 26 N., R. 36 E., MDM, Nevada sec. 33, PROT All.

No Surface Occupancy

No surface occupancy within the boundary of properties designated or eligible for the National Register of Historic Places, including National Landmarks and National Register Districts and Sites, and additional lands outside the designated boundaries to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-021

T. 23 N., R. 29 E., MDM, Nevada
sec. 02, lots 3,4, S2NW, SW.

PARCEL NV-09-07-052

T. 25 N., R. 35 E., MDM, Nevada
sec. 22, E2SW, SE.

Historic Trails

Congressionally Designated Historic Trails. No Surface Occupancy on Congressionally designated historic trails and additional lands bordering the trails to the extent necessary to protect values where the setting and integrity is critical to their designation or eligibility.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-004

T. 33 N., R. 24 E., MDM, Nevada
sec. 11, PROT All.

PARCEL NV-09-07-034

T. 31 N., R. 33 E., MDM, Nevada
sec. 16, NW.

Historic Trails

Congressionally Designated Historic Trails. This parcel includes lands within the views shed of congressionally designated historic trails. Fluid mineral operational activities may be subject to VRM standards up to VRM Class II in order to protect the historical and scenic values of the trails.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

	<u>Description of Lands</u>
PARCEL NV-09-07-004	ALL LANDS
PARCEL NV-09-07-005	ALL LANDS
PARCEL NV-09-07-009	ALL LANDS
PARCEL NV-09-07-029	ALL LANDS
PARCEL NV-09-07-030	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

Stipulation

No drilling, including exploration or development activities within linear Rights-of –way.

*Authority/Supporting Documentation EA-NV-02-029 Geothermal Resources Leasing PEA,
September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008
BLM Instruction Memorandum No. 2002-174*

Description of Lands

PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS

PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068 THRU PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084 THRU PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

Stipulation

In the event that previously undiscovered paleontological resources are discovered in the performance of any surface disturbing activities, the item(s) or condition(s) will be left intact and immediately brought to the attention of the authorized officer of the BLM.

*Authority/Supporting Documentation EA-NV-02-029 Geothermal Resources Leasing PEA,
September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008
BLM Instruction Memorandum No. 2002-174*

	<u>Description of Lands</u>
PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS

PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068 THRU PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084 THRU PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

Controlled Surface Use

Controlled surface use for moderate potential for paleontological resources. Potential Fossil Yield Classification (PFYC) 3: Moderate Potential.

Inventory and/or on-site monitoring during disturbance or spot checking may be required. If fossils are discovered, avoidance or data recovery will be required prior to their disturbance if they are deemed to be of scientific importance.

It has been determined the following areas contain lands classified as PFYC 3:

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-001	T. 23 N., R. 24 E., MDM, Nevada sec. 02, S2NW, SW; sec. 10, all; sec. 12, E2, S2SW; sec. 14, all.
	T. 23 N., R. 25 E., MDM, Nevada sec. 18, lots 1-4, E2NW.
PARCEL NV-09-07-002	T. 23 N., R. 24 E., MDM, Nevada sec. 04, S2N2, S2; sec. 16, all; sec. 22, W2, W2E2; sec. 24, all.
PARCEL NV-09-07-003	ALL LANDS
PARCEL NV-09-07-004	T. 33 N., R. 24 E., MDM, Nevada sec. 15, PROT SE; sec. 21, PROT SE, S2NE, SW.
PARCEL NV-09-07-005	T. 33 N., R. 24 E., MDM, Nevada sec. 29, PROT E2NE, SE; sec. 31, PROT SE.
PARCEL NV-09-07-006	T. 24 N., R. 25 E., MDM, Nevada sec. 026, S2NE, S2.

PARCEL NV-09-07-009

T. 27 N., R. 27 E., MDM, Nevada
sec. 01, lots 3,4, S2NW, SW;
sec. 02, lots 1-3, S2NE, SENE, SE;
sec. 11, E2W2;
sec. 12, All;
sec. 14, E2, E2W2.

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PARCEL NV-09-07-010	T. 27 N., R. 27 E., MDM, Nevada sec. 21, SW, S2SE; sec. 22, S2SW, SE; sec. 26, all; sec. 28, all; sec. 34, all.
PARCEL NV-09-07-011	T. 28 N., R. 27 E., MDM, Nevada sec. 01, lots 1-4, S2N2, S2; sec. 02, lots 1-4, S2N2, S2; sec. 03, lots 1-4, S2N2, S2; sec. 04, lots 1-4, S2N2, S2; sec. 09, N2, N2SW, SWSW, SE; sec. 10, all; sec. 11, all; sec. 12, all.
PARCEL NV-09-07-012	T. 28 N., R. 27 E.,MDM, Nevada sec. 13, all; sec. 14, all; sec. 15, all; sec. 16, NENE; sec. 22, E2, E2W2; sec. 23, all; sec. 24, all; sec. 25, all.
PARCEL NV-09-07-013	T. 28 N., R. 27 E., MDM, Nevada sec. 27, NE, E2SE, NWSE; sec. 31, lots 1-4, E2, E2W2; sec. 32, W2NW; sec. 35, E2, NW, E2SW; sec. 36, all.
PARCEL NV-09-07-014	T. 45 N., R. 27 E., MDM, Nevada sec. 14, PROT All; sec. 15, PROT N2, NESE.
PARCEL NV-09-07-018	T. 27 N., R. 28 E., MDM, Nevada sec. 06, lots 1-7, S2NE, SENE, E2SW, SE; sec. 08, all; sec. 16, all; sec. 18, lots 1-4, E2, E2W2; sec. 20, all; sec. 30, lots 1-4, E2, E2W2.
PARCEL NV-09-07-021	T. 23 N., R. 29 E., MDM, Nevada sec. 03, lots 1,2, SWNE, S2S2; sec. 10, SENE, SESW, NESE; sec. 12, SENE, W2NW, SENW, S2; sec. 14, NE, S2NW, S2; sec. 16, SWNE, S2NE, NW, E2SW, NWSW, SE; sec. 22, N2N2, SWNW.

PARCEL NV-09-07-022	T. 47 N., R. 29 E., MDM, Nevada sec. 13, lots 2-4, E2, E2W2; T. 47 N., R. 30 E., MDM, Nevada sec. 07, lots 1-2, W2NE, W2, SE; sec. 08, lots 1-4, NE, SW, N2SE; sec. 17, NENE, S2NE, NWNW, S2NW, S2; sec. 19, all; sec. 20, all.
PARCEL NV-09-07-023	T. 37 N., R. 30 E., MDM, Nevada sec. 04, lots 3,4, S2NW, SW; sec. 05, lots 1-4, S2N2, S2; sec. 08, all; sec. 09, W2E2, W2; T. 38 N., R. 30 E., MDM, Nevada sec. 32, All; sec. 33, NE, W2, NESE, W2SE.
PARCEL NV-09-07-024	T. 37 N., R. 30 E., MDM, Nevada sec. 16, all; sec. 17, all; sec. 20, all; sec. 21, N2, N2SW, SWSW.
PARCEL NV-09-07-029	ALL LANDS
PARCEL NV-09-07-030	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038	ALL LANDS
PARCEL NV-09-07-039	T. 40 N., R. 33 E., MDM, Nevada sec. 05, lots 1,2,5,8,9,10,12, S2NE, SE; sec. 07, lots 8-11, 14-18; sec. 08, E2, E2SW; sec. 17, E2, NW, NWSW; sec. 18, lots 5, 12, 13, 16, 17; sec. 19, lots 7-10, 13-20; sec. 20, NE, E2NW, SWNW, SW, N2SE.
PARCEL NV-09-07-052	T. 25 N., R. 35 E., MDM, Nevada sec. 09, all; sec. 16, all; sec. 20, all; sec. 21, all; sec. 22, W2; sec. 28, N2, W2SW; sec. 29, all; sec. 32, NE, W2, W2SW.

PARCEL NV-09-07-053	ALL LANDS
PARCEL NV-09-07-054	T. 41 N., R. 35 E., MDM, Nevada sec. 20, S2NE, NENW, NESE.
PARCEL NV-09-07-058	T. 26 N., R. 36 E., MDM, Nevada sec. 20, PROT All; sec. 21, PROT All; sec. 28, PROT All; sec. 33, PROT N2N2, SE.
PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068	T. 27 N., R. 38 E., MDM, Nevada sec. 01, lots 1-4, S2N2, S2; sec. 12, NE, W2, NESE, W2SE. T. 28 N., R. 38 E., MDM, Nevada sec. 25, all; sec. 36, all.
PARCEL NV-09-07-069	T. 27 N., R. 38 E., MDM, Nevada sec. 04, lots 1-4, S2N2, S2; sec. 05, lots 1,2, S2NE, SE; sec. 05, PROT W2; sec. 08, E2; sec. 08 PROT W2; sec. 09, all. T. 28 N., R. 38 E., MDM, Nevada sec. 32, NE, S2; sec. 33, all.
PARCEL NV-09-07-070	T. 28 N., R. 38 E., MDM, Nevada sec. 12, all; sec. 13, all; sec. 24, all. T. 28 N., R. 39 E., MDM, Nevada sec. 05, lots 1,4, S2N2, SW, W2SE; sec. 06, lots 7-15, S2NE, SENW, E2SW, SE; sec. 07, lots 1-4, E2, E2W2; sec. 18, lots 1-4, W2E2, E2W2; sec. 19, lots 1-4, W2NE, E2W2.
PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	T. 29 N., R. 39 E., MDM, Nevada sec. 01, lot 2, S2NE, N2SE; sec. 12, E2NE, SWNE, E2NW, SESW, E2SE. T. 30 N., R. 39 E., MDM, Nevada sec. 36, NE, N2NW, SENW, NESE.

PARCEL NV-09-07-084

ALL LANDS

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PARCEL NV-09-07-085

ALL LANDS

PARCEL NV-09-07-086

ALL LANDS

PARCEL NV-09-07-087

ALL LANDS

PARCEL NV-09-07-090

T. 31 N., R. 41 E., MDM, Nevada
sec. 04, lots 1-4, S2N2, S2.
sec. 05, SWSW.
T. 32 N., R. 41 E., MDM, Nevada
sec. 32, N2, N2SW, SESW, SE.

PARCEL NV-09-07-092

ALL LANDS

Controlled Surface Use

Controlled surface use for high and very high potential for paleontological resources. Potential Fossil Yield Classification (PFYC) 4, and 5: High and Very High Potential.

This land is underlain by geologic units that have been documented to contain a high occurrence of fossils, which may consist of scientifically significant vertebrate, invertebrate, and, or plant fossils. A field survey by a qualified paleontologist, and at the lessee's expense, will be required prior to surface disturbing activities. If significant fossils of scientific importance are discovered they will require avoidance or data recovery prior to their disturbance. On site monitoring may be necessary during construction activities.

It has been determined the following areas contain lands classified as PFYC 2 or 5:

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-001	T. 23 N., R. 24 E., MDM, Nevada sec. 02, lots 2-4.
PARCEL NV-09-07-002	T. 24 N., R. 24 E., MDM, Nevada sec. 34, E2NE, SWNE, E2SE, NWSE.
PARCEL NV-09-07-003	ALL LANDS
PARCEL NV-09-07-011	T. 28 N., R. 27 E., MDM, Nevada sec. 04, lot 4.
PARCEL NV-09-07-021	T. 23 N., R. 29 E., MDM, Nevada sec. 02, lots 1-4, SENE, S2NW, NESW, W2SW, E2SE; sec. 10, N2, E2SW, N2SE; sec. 12, N2, NESW, W2SW, NWSE; sec. 16, NE, E2NW, N2SE.
PARCEL NV-09-07-069	T. 28 N., R. 38 E., MDM, Nevada sec. 32, SWSW.
PARCEL NV-09-07-070	T. 28 N., R. 39 E., MDM, Nevada sec. 05, SESW, SE; sec. 07, E2SE, SWSE; sec. 18, E2; sec. 19, E2, E2SW.
PARCEL NV-09-07-090	T. 31 N., R. 41 E., MDM, Nevada sec. 05, lot 4, SWNW, E2SW. T. 32 N., R. 41 E., MDM, Nevada sec. 32, N2N2NW, NWSW, S2SW.

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Controlled Surface Use

Controlled surface use for protection of recreational values. This stipulation would be applied to minimize the potential for adverse impacts to recreational values, both motorized and non-motorized, and the natural settings associated with the recreational activity.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-011

THRU

PARCEL NV-09-07-013

ALL LANDS

No Surface Occupancy

No surface occupancy near surface water bodies, riparian areas, wetlands, playas or floodplains. No surface occupancy within 650 feet (horizontal measurement) of any surface water bodies, riparian areas, wetlands, playas or 100-year floodplains to protect the integrity of these resources as indicated by the presence of riparian vegetation and not actual water). Exceptions to this restriction may be considered on a case-by-case basis if the BLM determines at least one of the following conditions apply: 1) additional development is proposed in an area where current development has shown no adverse impacts, 2) suitable off-site mitigation will be provided if habitat loss is expected, or 3) BLM determines development proposed under any plan of operations ensures adequate protection of the resources.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-003	T. 23 N., R. 25 E., MDM, Nevada sec. 04, lots 1-12, SW; sec. 06, lots 1-14. T. 24 N., R. 25 E., MDM, Nevada sec. 32, all.
PARCEL NV-09-07-004	ALL LANDS
PARCEL NV-09-07-005	ALL LANDS
PARCEL NV-09-07-009	ALL LANDS
PARCEL NV-09-07-010	T. 27 N., R. 27 E., MDM, Nevada sec. 21, all; sec. 22, all; sec. 28, all.
PARCEL NV-09-07-011	ALL LANDS
PARCEL NV-09-07-012	T. 28 N., R. 27 E., MDM, Nevada sec. 15, SW; sec. 16, all; sec. 22, W2.
PARCEL NV-09-07-013	T. 28 N., R. 27 E., MDM, Nevada

sec. 27, W2;
sec. 28, all;
sec. 32, E2;
sec. 33, all;
sec. 34, all;
sec. 35, W2;
sec. 36, W2.

PARCEL NV-09-07-018

ALL LANDS

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PARCEL NV-09-07-021

T. 23 N., R. 29 E., MDM, Nevada
sec. 22, all.

PARCEL NV-09-07-022

T. 47 N., R. 29 E., MDM, Nevada
sec. 13, lots 1,2, E2NW.

PARCEL NV-09-07-024

ALL LANDS

PARCEL NV-09-07-029

ALL LANDS

PARCEL NV-09-07-030

ALL LANDS

PARCEL NV-09-07-031

ALL LANDS

PARCEL NV-09-07-039

T. 40 N., R. 33 E., MDM, Nevada
sec. 06, lots 1,8,13,14;
sec. 07, lots 7-20;
sec. 18, lots 5-20;
sec. 19, lots 5-20;
sec. 20, NWNW.

PARCEL NV-09-07-070

T. 28 N., R. 39 E., MDM, Nevada
sec. 05, SE.

PARCEL NV-09-07-076

T. 29 N., R. 39 E., MDM, Nevada
sec. 01, lots 2-3, S2NE, SENW, NESW, N2SE;
sec. 12, SWNE.

PARCEL NV-09-07-084

T. 28 N., R. 40 E., MDM, Nevada
sec. 03lot 2, SENW.

PARCEL NV-09-07-085

T. 29 N., R. 41 E., MDM, Nevada
sec. 06, SENE;
T. 30 N., R. 41 E., MDM, Nevada
sec. 31, SESE.

PARCEL NV-09-07-086

T. 30 N., R. 40 E., MDM, Nevada
sec. 13, SESE;
T. 30 N., R. 41 E., MDM, Nevada

sec. 20, SESE;
sec. 30, NESE.

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No Surface Occupancy

No surface occupancy near surface water bodies, riparian areas, wetlands, playas or floodplains. Water bodies, riparian areas, wetlands, playas, and 100-year floodplains

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-003	T. 23 N., R. 25 E., MDM, Nevada sec. 04, lots 3-6, 11,12, SW.
	T. 24 N., R. 25 E., MDM, Nevada sec. 32, all.
PARCEL NV-09-07-004	ALL LANDS The majority of this parcel (aside from the SE corner) occupies a playa.
PARCEL NV-09-07-005	ALL LANDS The majority of this parcel (aside from the SE corner) occupies a playa.
PARCEL NV-09-07-009	ALL LANDS The entire eastern half of this parcel occupies a playa.
PARCEL NV-09-07-010	T. 27 N., R. 27 E., MDM, Nevada sec. 21, all; sec. 22, all; sec. 28, all.
PARCEL NV-09-07-011	ALL LANDS
PARCEL NV-09-07-012	T. 28 N., R. 27 E., MDM, Nevada sec. 15, SW; sec. 16, all; sec. 22, W2.

PARCEL NV-09-07-013 T. 28 N., R. 27 E., MDM, Nevada
sec. 27, E2;
sec. 28,all;
sec. 32, E2;
sec. 33, all;
sec. 34, all.
sec. 35, W2;
sec. 36, W2.

PARCEL NV-09-07-018 ALL LANDS

PARCEL NV-09-07-021 T. 23 N., R. 29 E., MDM, Nevada
sec. 22, all.

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PARCEL NV-09-07-022 T. 47 N., R. 29 E., MDM, Nevada
sec. 13, lots 1,2, S2NW.

PARCEL NV-09-07-024 T. 37 N., R. 30 E., MDM, Nevada
sec. 16, NENE;
sec. 20, SWNW.

PARCEL NV-09-07-029 ALL LANDS

PARCEL NV-09-07-030 ALL LANDS

PARCEL NV-09-07-031 ALL LANDS

PARCEL NV-09-07-039 T. 40 N., R. 33 E., MDM, Nevada
sec. 06, lots 1,8,13,14;
sec. 17, all;
sec. 18, lots 5-20;
sec. 19, lots 5-20.

PARCEL NV-09-07-070 T. 28 N., R. 39 E., MDM, Nevada
sec. 05, SE.

PARCEL NV-09-07-076 T. 29 N., R. 39 E., MDM, Nevada
sec. 01, lots 2-3, S2NE, SENW, NESW, N2SE;
sec. 12, SWNE.

PARCEL NV-09-07-084 T. 28 N., R. 40 E., MDM, Nevada
sec. 03, lot 2, SENW.

PARCEL NV-09-07-085 T. 29 N., R. 41 E., MDM, Nevada
sec. 06, SENE.
T. 30 N., R. 41 E., MDM, Nevada
sec. 31, SWNE, NESW.

PARCEL NV-09-07-086 T. 30 N., R. 40 E., MDM, Nevada
sec. 13, SESE.
T. 30 N., R. 41 E., MDM, Nevada

sec. 20, SESE;
sec. 30, NESE.

NV-WDO-RIPAR-02-NSO
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Controlled Surface Use

Controlled surface use near wetlands and riparian vegetation. This stipulation would be applied within 500 feet of riparian or wetland vegetation to protect the values and functions of these areas. Measures required will be based on the nature, extent, and value of the area potentially affected.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-009	ALL LANDS
PARCEL NV-09-07-011	ALL LANDS
PARCEL NV-09-07-018	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-070	T. 28 N., R. 39 E., MDM, Nevada sec. 05, SE.
PARCEL NV-09-07-076	T. 29 N., R. 39 E., MDM, Nevada sec. 01, lots 2-3, S2NE, SENW, NESW, N2SE; sec. 12, SWNE.
PARCEL NV-09-07-084	T. 28 N., R. 40 E., MDM, Nevada sec. 03, lot 2, SENW.
PARCEL NV-09-07-085	T. 29 N., R. 41 E., MDM, Nevada sec. 06, SENE.

PARCEL NV-09-07-086

T. 30 N., R. 41 E., MDM, Nevada
sec. 31, SWNE, NESW.

T. 30 N., R. 40 E., MDM, Nevada
sec. 13, SESE.

T. 30 N., R. 41 E., MDM, Nevada
sec. 20, SESE;
sec. 30, NESE.

NV-WDO-RIPAR-03-CSU

No Surface Occupancy

No surface occupancy on slopes in excess of 40 percent and/or high erosion potential. There are portions of this parcel that have >40% slope:

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

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Description of Lands

PARCEL NV-09-07-001	T. 23 N., R. 25 E., MDM, Nevada sec. 18, lots 1-4, E2, E2W2.
PARCEL NV-09-07-002	T. 23 N., R. 24 E., MDM, Nevada sec. 04, S2; sec. 16, all; sec. 24, E2. T. 24 N., R. 24 E., MDM, Nevada sec. 34, all.
PARCEL NV-09-07-003	T. 24 N., R. 24 E., MDM, Nevada sec. 26, SE; sec. 36, all.
PARCEL NV-09-07-004	T. 33 N., R. 24 E., MDM, Nevada sec. 21, PROT SE.
PARCEL NV-09-07-005	ALL LANDS
PARCEL NV-09-07-009	T. 27 N., R. 27 E., MDM, Nevada sec. 01, lots 3,4, S2NW, SW; sec. 02, lots 1,2, S2NE, SE; sec. 12, all; sec. 14, E2.
PARCEL NV-09-07-010	T. 27 N., R. 27 E., MDM, Nevada sec. 26, NE.
PARCEL NV-09-07-011	T. 28 N., R. 27 E., MDM, Nevada sec. 04, lots 3,4, S2NW, SW; sec. 09, NE.
PARCEL NV-09-07-012	T. 28 N., R. 27 E., MDM, Nevada sec. 13, W2, SE; sec. 14, all; sec. 15, NW, E2; sec. 22, E2; sec. 23, all; sec. 24, all; sec. 25, all.

PARCEL NV-09-07-013	T. 28 N., R. 27 E., MDM, Nevada sec. 27, E2; sec. 31, E2; sec. 32, W2; sec. 35, E2; sec. 36, E2.
PARCEL NV-09-07-014	T. 45 N., R. 27 E., MDM, Nevada sec. 15, PROT all.
PARCEL NV-09-07-018	ALL LANDS
PARCEL NV-09-07-021	T. 23 N., R. 29 E., MDM, Nevada sec. 02, SW; sec. 10, all; sec. 12, N2, SE; sec. 14, E2 sec. 16, W2; sec. 22, SESE.
PARCEL NV-09-07-022	T. 47 N., R. 29 E., MDM, Nevada sec. 13, lots 1,2, NE, E2NW. T. 47 N., R. 30 E., MDM, Nevada sec. 08, lots 1-4, NE, SW, N2SE; sec. 17, NENE, S2NE, NWNW, S2NW, S2; sec. 19, all; sec. 20, all.
PARCEL NV-09-07-023	T. 37 N., R. 30 E., MDM, Nevada sec. 04lots 1,2, S2NE, S2; sec. 09, NE.
PARCEL NV-09-07-024	T. 37 N., R. 30 E., MDM, Nevada sec. 21, SE.
PARCEL NV-09-07-029	T. 28 N., R. 32 E., MDM, Nevada sec. 02, SESE.
PARCEL NV-09-07-030	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-039	T. 40 N., R. 33 E., MDM, Nevada sec. 17, all; sec. 18, lots 5-20.
PARCEL NV-09-07-052	T. 25 N., R. 35 E., MDM, Nevada sec. 22, SESE.

PARCEL NV-09-07-059	T. 29 N., R. 37 E., MDM, Nevada sec. 33, PROT S2.
PARCEL NV-09-07-070	T. 28 N., R. 39 E., MDM, Nevada sec. 05, lots 1,4, S2N2, S2; sec. 07, E2; sec. 18, E2; sec. 19, E2.
PARCEL NV-09-07-076	T. 29 N., R. 39 E., MDM, Nevada sec. 12, NWNW, SE.
PARCEL NV-09-07-084	T. 29 N., R. 40 E., MDM, Nevada sec. 27, W2.
PARCEL NV-09-07-090	T. 31 N., R. 41 E., MDM, Nevada sec. 05, lot 4, SWNW, W2SW. T. 32 N., R. 41 E., MDM, Nevada sec. 32, W2.

Controlled Surface Use

Controlled surface use for protection of erosive soils and soils on slopes greater than 30 percent. This stipulation would be applied to minimize the potential for adverse impacts to soils as defined as severe or very severe erosion classes based on Natural Resources Conservation Service mapping. There are portions of parcels that have >30% slope:

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-001	T. 23 N., R. 24 E., MDM, Nevada sec. 02, lots 1-4, S2N2, SE. T. 23 N., R. 25 E., MDM, Nevada sec. 18, lots 1-4, E2, E2W2.
PARCEL NV-09-07-002	T. 23 N., R. 24 E., MDM, Nevada sec. 04, S2; sec. 16, all; sec. 24, all. T. 24 N., R. 24 E., MDM, Nevada sec. 34, all.
PARCEL NV-09-07-003	T. 24 N., R. 24 E., MDM, Nevada sec. 26, SE; sec. 36, all. T. 24 N., R. 25 E., MDM, Nevada sec. 32, W2.
PARCEL NV-09-07-004	T. 33 N., R. 24 E., MDM, Nevada sec. 21, PROT SE.
PARCEL NV-09-07-005	ALL LANDS
PARCEL NV-09-07-009	T. 27 N., R. 27 E., MDM, Nevada sec. 01, lots 3,4, S2NW, SW; sec. 02, lots 1,2, S2NE, SE; sec. 12, all; sec. 14, E2.
PARCEL NV-09-07-010	T. 27 N., R. 27 E., MDM, Nevada sec. 26, NE.
PARCEL NV-09-07-014	T. 45 N., R. 27 E., MDM, Nevada sec. 15, PROT All.

PARCEL NV-09-07-011

T. 28 N., R. 27 E., MDM, Nevada
sec. 04, lots 3,4, S2NW, SW;
sec. 09, NE.

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PARCEL NV-09-07-012	T. 28 N., R. 27 E., MDM, Nevada sec. 13, NW, S2; sec. 14, all; sec. 15, SW; sec. 22, E2; sec. 23, all; sec. 24, all; sec. 25, all.
PARCEL NV-09-07-013	T. 28 N., R. 27 E., MDM, Nevada sec. 27, E2; sec. 31, E2; sec. 32, W2; sec. 35, E2; sec. 36, E2.
PARCEL NV-09-07-018	T. 27 N., R. 28 E., MDM, Nevada sec. 08, W2; sec. 18, lots 1-4, E2, E2W2; sec. 20, W2; sec. 30, lots 1-4, E2, E2W2.
PARCEL NV-09-07-021	T. 23 N., R. 29 E., MDM, Nevada sec. 02, SW; sec. 10, all; sec. 12, N2, SE; sec. 14, E2; sec. 16, W2; sec. 22, SESE.
PARCEL NV-09-07-022	T. 47 N., R. 29 E., MDM, Nevada sec. 13, lots 1,2, NE, S2NW T. 47 N., R. 30 E., MDM, Nevada sec. 08, lots 1-4, NE, SW, N2SE; sec. 17, NENE, S2NE, NWNW, S2NW, S2; sec. 19, all; sec. 20, all.
PARCEL NV-09-07-023	T. 37 N., R. 30 E., MDM, Nevada sec. 04, lots 1-4, S2N2, S2; sec. 09, all.
PARCEL NV-09-07-024	T. 37 N., R. 30 E., MDM, Nevada sec. 16, E2; sec. 21, SE.
PARCEL NV-09-07-030	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-039	T. 40 N., R. 33 E., MDM, Nevada sec. 17, all; sec. 18, lots 5-20.

PARCEL NV-09-07-052	T. 25 N., R. 35 E., MDM, Nevada sec. 22, S2.
PARCEL NV-09-07-058	T. 26 N., R. 36 E., MDM, Nevada sec. 33, PROT All.
PARCEL NV-09-07-059	T. 29 N., R. 37 E., MDM, Nevada sec. 33, PROT S2.
PARCEL NV-09-07-069	T. 28 N., R. 38 E., MDM, Nevada sec. 32, NW.
PARCEL NV-09-07-070	T. 28 N., R. 39 E., MDM, Nevada sec. 07, E2; sec. 18, E2; sec. 19, E2.
PARCEL NV-09-07-076	T. 29 N., R. 39 E., MDM, Nevada sec. 12, NWNW, SE.
PARCEL NV-09-07-084	T. 29 N., R. 40 E., MDM, Nevada sec. 27, W2.
PARCEL NV-09-07-090	T. 31 N., R. 41 E., MDM, Nevada sec. 05, lot 4, SWNW, W2SW. T. 32 N., R. 41 E., MDM, Nevada sec. 32, W2.

Threatened, Endangered, or other special status species

The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. 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 modifications of a designated or proposed critical habitat. BLM will not approve any ground disturbing activity that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act, 16 U.S.C. 1531, as amended, including completion of any required procedure for conference or consultation. Additionally, the BLM will provide a separate notification through a lease notice to prospective lessees identifying the particular special status species that are present on the lease parcel offered.

*Authority/Supporting Documentation EA-NV-02-029 Geothermal Resources Leasing PEA,
September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008
BLM Instruction Memorandum No. 2002-174*

	<u>Description of Lands</u>
PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS

PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068 THRU PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084 THRU PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

Threatened, Endangered, or other special status species

“The lease area may now or hereafter contain plants, animals, or their habitats determined to be threatened, endangered, or other special status species. BLM may recommend modifications to exploration and development proposals to further its conservation and management objective to avoid BLM-approved activity that will contribute to a need to list such a species or their habitat. 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 that may affect any such species or critical habitat until it completes its obligations under applicable requirements of the Endangered Species Act as amended, 16 USC 1531 et seq., including completion of any required procedure for conference or consultation.”

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-001 ALL LANDS
NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (Brachylagus idahoensis) habitat

PARCEL NV-09-07-002 ALL LANDS
NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (Brachylagus idahoensis) habitat

PARCEL NV-09-07-003 ALL LANDS
NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (Brachylagus idahoensis) habitat

PARCEL NV-09-07-006 ALL LANDS
NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (Brachylagus idahoensis) habitat

PARCEL NV-09-07-009 ALL LANDS
NTL: The presence of pale kangaroo mouse (Microdipodops pallidus) on the lease has been documented (Nevada Department of Wildlife Diversity Data Base). It's a State of Nevada protected species.

PARCEL NV-09-07-014 ALL LANDS
NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (Brachylagus idahoensis) habitat

PARCEL NV-09-07-011

ALL LANDS

NTL: The presence of pale kangaroo mouse (*Microdipodops pallidus*) on the lease has been documented (Nevada Department of Wildlife Diversity Data Base). It's a State of Nevada protected species.

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-012

ALL LANDS

NTL: The presence of pale kangaroo mouse (*Microdipodops pallidus*) on the lease has been documented (Nevada Department of Wildlife Diversity Data Base). It's a State of Nevada protected species.

PARCEL NV-09-07-013

ALL LANDS

NTL: The presence of pale kangaroo mouse (*Microdipodops pallidus*) on the lease has been documented (Nevada Department of Wildlife Diversity Data Base). It's a State of Nevada protected species.

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-018

ALL LANDS

NTL: The presence of pale kangaroo mouse (*Microdipodops pallidus*) on the lease has been documented (Nevada Department of Wildlife Diversity Data Base). It's a State of Nevada protected species.

PARCEL NV-09-07-021

ALL LANDS

NTL: The Nevada Natural Heritage Data Base indicates the presence of Nevada *Oryctes* (*Oryctes nevadensis*), a BLM designated sensitive species, in the vicinity of the lease. Portions of the subject lease with habitat characteristics for this species should be inventoried for its presence.

NTL: The presence of Pallid bats (*Antrozous pallidus*) and Townsend's big-eared bats (*Corynorhinus townsendii*), both designated BLM sensitive species, has been indentified on the subject lease (Nevada Department of Wildlife Diversity Data Base).

PARCEL NV-09-07-022

ALL LANDS

NTL: The Nevada Natural Heritage Data Base indicateds the presence of Pueblo Valley peppergrass (*Lepidium montanum* var. *nevadense*), and Denio sandhill skipper, both BLM designated sensitive species, in the vicinity of the lease. If portions of the subject lease exhibit habitat characteristics for these species, these portions should be inventoried for their presence.

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-023

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-024

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-036

ALL LANDS

NTL: The Nevada Natural Heritage Data Base indicates the presence of Nevada *Oryctes* (*Oryctes nevadensis*), a BLM designated sensitive species, in the vicinity of the lease. Portions of the subject lease with habitat characteristics for this species should be inventoried for its presence.

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-038

ALL LANDS

NTL: The Nevada Natural Heritage Data Base indicates the presence of Bruneau River prickly phlox (*Leptodactylon glabrum*), a BLM designated sensitive species, in the vicinity of the lease. Portions of the subject lease with habitat characteristics for this species should be inventoried for its presence.

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat

PARCEL NV-09-07-039

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The Nevada Natural Heritage Data Base indicates the presence of Wind Loving Buckwheat (*Eriogonum anemophilum*), a BLM designated sensitive species, in the vicinity of the lease. If portions of the subject lease exhibit habitat characteristics for this species, those portions should be inventoried for its presence.

NTL: The presence of Pallid bats (*Antrozous pallidus*) and Townsend's big-eared bats (*Corynorhinus townsendii*), both designated BLM sensitive species, has been identified on the subject lease (Nevada Department of Wildlife Diversity Data Base).

PARCEL NV-09-07-052

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-053

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

PARCEL NV-09-07-058

ALL LANDS

NTL: The presence of Pallid bats (*Antrozous pallidus*) and Townsend's big-eared bats (*Corynorhinus townsendii*), both designated BLM sensitive species, has been identified on the subject lease (Nevada Department of Wildlife Diversity Data Base).

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-059

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-068

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-069

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-070

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-071

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

PARCEL NV-09-07-076

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

NTL: The lease contains occupied desert bighorn sheep (*Orvis Canadensis nelson*) habitat.

PARCEL NV-09-07-085

ALL LANDS

PARCEL NV-09-07-086

ALL LANDS

PARCEL NV-09-07-087

ALL LANDS

NTL: The Regap data shows the presence of big sagebrush on the lease, which may be potential pygmy rabbit (*Brachylagus idahoensis*) habitat.

PARCEL NV-09-07-090

ALL LANDS

The lease is located in the Eleven Mile flat and 25 Allotment. Wildlife is administered by the Tuscorara Field Office, Elko District.

PARCEL NV-09-07-092

ALL LANDS

The lease is located in the Eleven Mile flat and 25 Allotment. Wildlife is administered by the Tuscorara Field Office, Elko District.

No Surface Occupancy

No surface occupancy within 1 mile of occupied or identified potential Lahontan Cutthroat Trout (LCT) habitat.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-039

T. 40 N., R. 33 E., MDM, Nevada
sec. 19, lots 5-20;
sec. 20, N2, SW, N2SE.

Controlled Surface Use

Controlled surface use in areas of urban interface. This stipulation would be applied to minimize the potential for adverse impacts to residential areas, schools, or other adjacent urban land uses.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-022

ALL LANDS

Controlled Surface Use

Controlled surface use for sensitive visual settings. This stipulation would be applied to BLM Visual Resource Management Class II areas (Visual Resource Management Class III management objectives would be met through conditions of approval applied during the permit approval process, and may be referenced in a lease notice); NFS lands with a Scenery Management System integrity level of High; and other sensitive view sheds such as within the visual setting of National Scenic and Historic Trails or near residential areas.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-004	ALL LANDS
PARCEL NV-09-07-005	ALL LANDS
PARCEL NV-09-07-021	ALL LANDS
PARCEL NV-09-07-029	ALL LANDS
PARCEL NV-09-07-030	ALL LANDS
PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038	ALL LANDS

Stipulation

Monitoring surface and subsurface water resources. As exploration and development activities commence, the operator shall institute a surface and subsurface hydrologic monitoring program. The details of the monitoring programs will be site-specific and the intensity shall be commensurate with the level of exploration.

*Authority/Supporting Documentation EA-NV-02-029 Geothermal Resources Leasing PEA,
September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008
BLM Instruction Memorandum No. 2002-174*

Description of Lands

PARCEL NV-09-07-001 THRU PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-009 THRU PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-018 THRU PARCEL NV-09-07-019	ALL LANDS
PARCEL NV-09-07-021 THRU PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-029 THRU PARCEL NV-09-07-031	ALL LANDS
PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS
PARCEL NV-09-07-038 THRU PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052 THRU PARCEL NV-09-07-054	ALL LANDS
PARCEL NV-09-07-058 THRU PARCEL NV-09-07-059	ALL LANDS

PARCEL NV-09-07-068	
THRU	
PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084	
THRU	
PARCEL NV-09-07-090	ALL LANDS
PARCEL NV-09-07-092	ALL LANDS

Stipulation

Characterizing surface expressions of geothermal reservoir. Prior to surface disturbing activities, a survey of surface expressions of the geothermal reservoir (hot springs) shall be conducted. This survey will include, at a minimum, invertebrates and water characteristics

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-085

T. 29 N., R. 41 E., MDM, Nevada
sec. 06, NW.

T. 30 N., R. 41 E., MDM, Nevada
sec. 31, SW.

No Surface Occupancy

Wild horse or burro populations are known to use some or all of the lease area. As sites are proposed for development, it may be necessary to avoid certain locations, or develop mitigation measures to reduce adverse impacts to horses or burros. Development facilities must be designed and built in a manner that does not hinder the wild and free-roaming behavior of the horses and burros. Additional specific measures to protect horses and burros may be developed during review of proposals, and may include measures such as: when access to existing water is to be restricted the operator must provide an alternative water source of equal quality and quantity.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-024	ALL LANDS
PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-052	ALL LANDS
PARCEL NV-09-07-058	ALL LANDS
PARCEL NV-09-07-068	ALL LANDS
PARCEL NV-09-07-070	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-084	ALL LANDS
PARCEL NV-09-07-085	ALL LANDS
PARCEL NV-09-07-086	ALL LANDS
PARCEL NV-09-07-090	ALL LANDS

Controlled Surface Use

Controlled surface use or timing limitations for bighorn sheep habitat. Limit off-road vehicle use during the lambing seasons (February 1 to May 31) in bighorn sheep use areas. Limit new trail or road construction on potential bighorn sheep range to minimize access.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-021	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS

Controlled Surface Use

Controlled surface use or timing limitations for critical big game habitat. A stipulation for avoidance and/or required mitigation measures to be developed is applicable for leases proposed in areas of crucial deer, antelope, and big horn sheep habitat during migration and critical fawning and kidding areas.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-09-053	ALL LANDS
PARCEL NV-09-07-068	ALL LANDS

No Surface Occupancy

No surface occupancy in occupied sage-grouse Population Management Units.

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-014	T. 45 N., R. 27 E., MDM, Nevada sec. 15, PROT W2.
PARCEL NV-09-07-039	T. 40 N., R. 33 E., MDM, Nevada sec. 06, lots 1, 8-17, E2SW, N2SE, SESE; sec. 07, lots 7-20; sec. 08, SWSW; sec. 17, W2NW, SW; sec. 18, lots 5-20; sec. 19, lots 5-20; sec. 20, W2NE, W2, NWSE.
PARCEL NV-09-07-053	T. 30 N., R. 35 E., MDM, Nevada sec. 01, lot 1. T. 31 N., R. 35 E., MDM, Nevada sec. 36, E2E2, W2NW, NWSE. T. 30 N., R. 36 E., MDM, Nevada sec. 06, lots 1-4, S2NW, NESW, SE.
PARCEL NV-09-07-059	T. 28 N., R. 36 E., MDM, Nevada sec. 12, PROT SE. T. 28 N., R. 37 E., MDM, Nevada sec. 05, lots 1,2, S2NE, SE; sec. 07, S2. T. 29 N., R. 37 E., MDM, Nevada sec. 32, PROT E2E2; sec. 33, PROT All.
PARCEL NV-09-07-068	ALL LANDS
PARCEL NV-09-07-069	T. 27 N., R. 38 E., MDM, Nevada sec. 04, lots 3,4, S2NW, W2SW; sec. 05, lots 1,2, S2NE, SE; sec. 08, PROT NW, W2SW. T. 28 N., R. 38 E., MDM, Nevada sec. 32, all; sec. 33, N2, SW, N2SE, SWSE.

PARCEL NV-09-07-070

T. 28 N., R. 38 E., MDM, Nevada
sec. 12, SESE;
sec. 13, E2E2, SWNE, W2SE, E2SW;
sec. 24, E2, E2W2, W2SW.
T. 28 N., R. 39 E., MDM, Nevada
sec. 05, lots 1-4, S2N2, S2;
sec. 06E2E2, W2SE;
sec. 07, E2, E2W2, SWNW, W2SW;
sec. 18, lots 1-4, E2, E2W2;
sec. 19, lots 1-4, E2, E2W2.

PARCEL NV-09-07-071

T. 29 N., R. 38 E., MDM, Nevada
sec. 02, lots 1-4, SWNE, S2NW, SW, NWSE;
sec. 11, NW, W2SW;
sec. 14, W2NW.
T. 30 N., R. 38 E., MDM, Nevada
sec. 35, all;
sec. 36, N2NW, SWNW, NWSW.

PARCEL NV-09-07-076

ALL LANDS

PARCEL NV-09-07-087

ALL LANDS

Stipulations

No exploration during brooding/nesting period (April through August) in identified nesting habitat.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002

PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-053	ALL LANDS
PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068	ALL LANDS
PARCEL NV-09-07-069	ALL LANDS
PARCEL NV-09-07-070	ALL LANDS
PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS

No Surface Occupancy

No exploration during winter (October through March) in identified winter habitats.

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008*

Description of Lands

PARCEL NV-09-07-014	ALL LANDS
PARCEL NV-09-07-039	ALL LANDS
PARCEL NV-09-07-053	ALL LANDS
PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068	ALL LANDS
PARCEL NV-09-07-069	ALL LANDS
PARCEL NV-09-07-070	ALL LANDS
PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-087	ALL LANDS

No Surface Occupancy

No surface occupancy within a two mile radius of sage-grouse leks.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-039

T. 40 N., R. 33 E., MDM, Nevada
sec. 05, lot 11;
sec. 06, lots 1, 8-17, E2SW, N2SE, SESE;
sec. 07, lots 7-20;
sec. 08, W2NW;
sec. 18, lots 5-8, 9, 10, 11, 15-17.

Timing Limitation

Timing limitation on wildlife migration corridors and important habitat. This stipulation would be applied to protect the continuity of migration corridors and important habitat. Portions of the subject lease contains crucial pronghorn winter habitat that should be protected from disturbance from 11/15 to 3/16 inclusive.

Authority/Supporting Documentation:

EA-NV-02-029 Geothermal Resources Leasing PEA, September 10, 2002
PEIS for Geothermal Leasing in the Western US, October 2008

Description of Lands

PARCEL NV-09-07-003	ALL LANDS
PARCEL NV-09-07-006	ALL LANDS
PARCEL NV-09-07-053	ALL LANDS
PARCEL NV-09-07-059	ALL LANDS
PARCEL NV-09-07-068	ALL LANDS
PARCEL NV-09-07-069	ALL LANDS
PARCEL NV-09-07-070	ALL LANDS
PARCEL NV-09-07-071	ALL LANDS
PARCEL NV-09-07-076	ALL LANDS
PARCEL NV-09-07-087	ALL LANDS

RIPARIAN AREAS STIPULATION

The lessee shall comply with the following special conditions and stipulations unless they are modified by mutual agreement of the Lessee and the Authorized Officer (AO):

No surface occupancy or disturbance will be allowed within 650 feet (horizontal measurement) of any surface water bodies, riparian areas, wetlands, playas, or 100-year floodplains to protect the integrity of these resources (as delineated by the presence of riparian vegetation and not actual water). Exceptions to this restriction may be considered on a case-by-case basis if the BLM determines at least one of the following conditions apply: 1) additional development is proposed in an area where current development has shown no adverse impacts, 2) suitable off-site mitigation will be provided if habitat loss is expected, or 3) BLM determines development proposed under any plan of operations ensures adequate protection of the resources.

	<u>Description of Lands</u>
PARCEL NV-09-07-007 THRU PARCEL NV-09-07-008	ALL LANDS
PARCEL NV-09-07-015 THRU PARCEL NV-09-07-017	ALL LANDS
PARCEL NV-09-07-020	ALL LANDS
PARCEL NV-09-07-025	
PARCEL NV-09-07-027 THRU PARCEL NV-09-07-028	ALL LANDS
PARCEL NV-09-07-032 THRU PARCEL NV-09-07-033	ALL LANDS
PARCEL NV-09-07-040 THRU PARCEL NV-09-07-051	ALL LANDS
PARCEL NV-09-07-055 THRU PARCEL NV-09-07-057	ALL LANDS
PARCEL NV-09-07-060 THRU PARCEL NV-09-07-067	ALL LANDS
PARCEL NV-09-07-074	ALL LANDS

NATIVE AMERICAN CONSULTATION STIPULATION

The lessee shall comply with the following special conditions and stipulations unless they are modified by mutual agreement of the Lessee and the Authorized Officer (AO):

All development activities proposed under the authority of this lease are subject to the requirement for Native American consultation prior to BLM authorizing the activity. Depending on the nature of the lease developments being proposed and the resources of concerns to tribes potentially effected, Native American consultation and resulting mitigation measures to avoid significant impacts may extend time frames for processing authorizations for development activities, as well as, change in the ways in which developments are implemented.

	<u>Description of Lands</u>
PARCEL NV-09-07-007 THRU PARCEL NV-09-07-008	ALL LANDS
PARCEL NV-09-07-015 THRU PARCEL NV-09-07-017	ALL LANDS
PARCEL NV-09-07-020	ALL LANDS
PARCEL NV-09-07-025 THRU PARCEL NV-09-07-028	ALL LANDS
PARCEL NV-09-07-032 THRU PARCEL NV-09-07-033	ALL LANDS
PARCEL NV-09-07-040 THRU PARCEL NV-09-07-051	ALL LANDS
PARCEL NV-09-07-055 THRU PARCEL NV-09-07-057	ALL LANDS
PARCEL NV-09-07-060 THRU PARCEL NV-09-07-067	ALL LANDS
PARCEL NV-09-07-074	ALL LANDS
PARCEL NV-09-07-079	ALL LANDS

Sage Grouse Leks

Resource: Sage Grouse Leks NV-040-001-001

Stipulation: No surface occupancy. No surface use would be allowed within 0.25 mile of a sage grouse lek.

Objective: To protect sage grouse breeding activities and the integrity of the habitat associated with sage grouse leks to maintain sage grouse populations.

Exception: An exception to this stipulation may be granted by the authorized officer, in consultation with Nevada Department of Wildlife, if the operator submits a plan that demonstrates that impacts from the proposed action would not affect breeding activity nor degrade the integrity of the habitat associated with the sage grouse lek.

Modification: The boundaries of the stipulated area may be modified if the authorized officer, in consultation with Nevada Department of Wildlife, determines that portions of the area can be occupied without adversely affecting the sage grouse lek.

Waiver: The stipulation may be waived if the authorized officer, in consultation with Nevada Department of Wildlife, determines that the lek has been inactive for at least five consecutive years or the habitat has changed such that there is no likelihood the lek would become active.

Description of Lands

PARCEL NV-09-07-110	T. 21 N., R. 63 E., MDM, Nevada sec. 14, N2NW.
PARCEL NV-09-07-112	T. 19 N., R. 64 E., MDM, Nevada sec. 19, SESE; sec. 20, SWSW.
PARCEL NV-09-07-113	T. 19 N., R. 64 E., MDM, Nevada sec. 29, NWNW; sec. 30, NENE.

No Surface Occupancy - Sage Grouse Winter Range

Stipulation: Timing Limitation. No surface activity would be allowed within winter range for sage grouse from November 1 through March 31.

Objective: To protect sage grouse from disturbance during the crucial winter period to maintain sage grouse populations.

Exception: An exception to this stipulation may be granted by the authorized officer, in consultation with Nevada Department of Wildlife, if the operator submits a plan that demonstrates that impacts from the proposed action are minimal or can be adequately mitigated.

Modification: The boundaries of the stipulated area may be modified if the authorized officer, in consultation with Nevada Department of Wildlife, determines that portions of the area no longer contain sage grouse winter habitat. The dates for the timing restriction may be modified if new information indicates the dates are not valid for the leasehold.

Waiver: The stipulation may be waived if the authorized officer, in consultation with Nevada Department of Wildlife, determines that the entire leasehold no longer contains winter range for sage grouse.

Description of Lands

PARCEL NV-09-07-110

T. 21 N., R. 63 E., MDM, Nevada
sec. 14, S2;
sec. 15, PROT SE;
sec. 22, PROT All;
sec. 23, All.

PARCEL NV-09-07-111

T. 21 N., R. 63 E., MDM, Nevada
sec. 26, N2NE, SWNE, W2, NWSE;
sec. 27, PROT All;
sec. 34, PROT N2, SW;
sec. 34, SE;
sec. 35, W2..

Sage Grouse Nesting Habitat Associated with Leks

Stipulation: Timing Limitation. No surface activity would be allowed within two miles of a sage grouse lek from March 1 through May 15 (June 15).

Objective: To protect sage grouse nesting activities associated with leks to maintain sage grouse populations.

Exception: An exception to this stipulation may be granted by the authorized officer, in consultation with Nevada Department of Wildlife, if the operator submits a plan that demonstrates that impacts from the proposed action are minimal or can be adequately mitigated.

Modification: The boundaries of the stipulated area may be modified if the authorized officer, in consultation with Nevada Department of Wildlife, determines that portions of the area can be occupied without adversely affecting sage grouse nesting activity. The dates for the timing restriction may be modified if new information indicates the dates are not valid for the leasehold.

Waiver: The stipulation may be waived if the authorized officer, in consultation with Nevada Department of Wildlife, determines that the entire leasehold no longer contains nesting habitat for sage grouse.

Description of Lands

PARCEL NV-09-07-109	T. 19 N., R. 63 E., MDM, Nevada sec. 24, All; sec. 25, All; sec. 36, NE, E2NW, NESE.
PARCEL NV-09-07-110	T. 21 N., R. 63 E., MDM, Nevada sec. 13, lots 1-4, E2, NW; sec. 14, All; sec. 15, PROT All; sec. 22, PROT N2; sec. 23, N2, N2SE; sec. 24, W2NE, NW.
PARCEL NV-09-07-112	T. 19 N., R. 64 E., MDM, Nevada sec. 16, SWNW, SW, SWSE; sec. 17, all; sec. 18, lots 1-4, E2, E2W2; sec. 19, lots 1-4, E2E2, E2W2, SESW, SWSE; sec. 20, all; sec. 21, all.
PARCEL NV-09-07-113	T. 19 N., R. 64 E., MDM, Nevada sec. 29, all; sec. 30, lots 1-4, E2, E2W2; sec. 31, lots 1-4, E2, E2W2; sec. 32, all; sec. 33, NWNE, NW, NWSW.

Raptor Nest Sites

Stipulation: Timing Limitation. No surface activity would be allowed from May 1 through July 15 within 0.5 mile of a raptor nest site which has been active within the past five years.

Objective: To protect raptor nesting activities to maintain existing populations.

Exception: An exception to this stipulation may be granted by the authorized officer, in consultation with Nevada Department of Wildlife, if the operator submits a plan that demonstrates that impacts from the proposed action are minimal or can be adequately mitigated.

Modification: The boundaries of the stipulated area may be modified if the authorized officer, in consultation with Nevada Department of Wildlife, determines that portions of the area can be occupied without adversely affecting raptor nesting activity. The dates for the timing restriction may be modified if new information indicates the dates are not valid for the leasehold.

Waiver: The stipulation may be waived if the authorized officer, in consultation with Nevada Department of Wildlife, determines that the entire leasehold no longer contains raptor nest sites.

Description of Lands

PARCEL NV-09-07-110

T. 21 N., R. 63 E., MDM, Nevada
sec. 22, PROT all.

Big Game Crucial Winter Range

Stipulation: Timing Limitation. No surface activity would be allowed within big game crucial winter range from November 1 through March 31.

Objective: To protect elk, mule deer, and pronghorn antelope from disturbance during the crucial winter period to maintain wildlife populations.

Exception: An exception to this stipulation may be granted by the authorized officer, in consultation with Nevada Department of Wildlife, if the operator submits a plan that demonstrates that impacts from the proposed action are minimal or can be adequately mitigated.

Modification: The boundaries of the stipulated area may be modified if the authorized officer, in consultation with Nevada Department of Wildlife, determines that portions of the area no longer contain winter habitat. The dates for the timing restriction may be modified if new information indicates the dates are not valid for the leasehold.

Waiver: The stipulation may be waived if the authorized officer, in consultation with Nevada Department of Wildlife, determines that the entire leasehold no longer contains crucial winter range for big game.

Description of Lands

PARCEL NV-09-07-097	T. 22 N., R. 57 E., MDM, Nevada sec. 16, all; sec. 21, all.
PARCEL NV-09-07-098	T. 22 N., R. 57 E., MDM, Nevada sec. 28, all; sec. 33, N2NW.
PARCEL NV-09-07-110	T. 21 N., R. 63 E., MDM, Nevada sec. 14, W2; sec. 15, PROT all; sec. 22, PROT all; sec. 23, W2.
PARCEL NV-09-07-111	T. 21 N., R. 63 E., MDM, Nevada sec. 26, NW, W2SW; sec. 27, PROT all; sec. 34, PROT N2, SW; sec. 34, W2SE.

Historic Sites

Lands within this lease are in proximity to or contain portions of the Pony Express National Historic Trail, the Hastings Cutoff, the Lincoln Highway, or the Osceola Ditch. Oil and gas exploration and development activities within 1 mile of these sites must undergo a visual assessment in conjunction with environmental review to determine if the activity will adversely affect the visual integrity. Appropriate mitigation will take place as necessary to maintain the management corridor in as natural a condition as possible.

Description of Lands

PARCEL NV-09-07-112	T. 19 N., R. 64 E., MDM, Nevada sec. 15, all; sec. 16, E2E2; sec. 21, E2E2; sec. 22, all.
PARCEL NV-09-07-113	T. 19 N., R. 64 E., MDM, Nevada sec. 33, E2; sec. 34, N2, NWSW, N2SE.

ARCHAEOLOGICAL STIPULATION

Before any specific permits are issued under leases, projects must comply with Section 106 of the National Historic Preservation Act. Both the Archaeological Resources Protection Act and the Native American Graves Protection and Repatriation Act provide for protection of cultural resources, objects of cultural patrimony, and Native American graves and funerary items. Any damage to these resources, including collecting artifacts, is prohibited and is prosecutable under federal law and can carry civil or criminal penalties. Any operations must follow all applicable management prescriptions and laws. NEPA analysis, potential cultural resource mitigation and Native American consultation may delay timeliness of permit approvals.

Description of Lands

PARCEL NV-09-07-072 THRU PARCEL NV-09-07-073	ALL LANDS
PARCEL NV-09-07-117 THRU PARCEL NV-09-07-120	ALL LANDS

No Surface Occupancy

No surface occupancy (NSO) stipulations are considered a major constraint, as they do not allow for surface development. An NSO is appropriate when the standard terms and conditions, other less restrictive lease stipulations (see below), and best management practices for permit approval are determined to be insufficient to achieve the resource protection objectives.

Water bodies, riparian areas, wetlands, playas, and 100-year floodplains.

Description of Lands

PARCEL NV-09-07-088 THRU PARCEL NV-09-07-089	ALL LANDS
PARCEL NV-09-07-093 THRU PARCEL NV-09-07-094	ALL LANDS

No Surface Occupancy

No surface occupancy (NSO) stipulations are considered a major constraint, as they do not allow for surface development. An NSO is appropriate when the standard terms and conditions, other less restrictive lease stipulations (see below), and best management practices for permit approval are determined to be insufficient to achieve the resource protection objectives.

Slopes in excess of 40 percent and/or soils with high erosion potential.

Description of Lands

PARCEL NV-09-07-077 THRU PARCEL NV-09-07-078	ALL LANDS
PARCEL NV-09-07-080	ALL LANDS
PARCEL NV-09-07-091	ALL LANDS
PARCEL NV-09-07-093	ALL LANDS

Timing Limitations and Controlled Surface Use Lease Stipulations

Where standard lease terms and permit-level decisions are deemed insufficient to protect sensitive resources, but where an NSO is deemed overly restrictive, the BLM and FS would apply seasonal or time limited stipulations or controlled surface use stipulations to leases. In general, timing limitations are used to protect resources that are sensitive to disturbance during certain periods. Such stipulations are generally applicable to specific areas, seasons, and resources. They are commonly applied to wildlife activities and habitat, such as winter range for deer, elk, and moose; nesting habitat for raptors and migratory birds; and breeding areas. Buffer zones are also used to further mitigate impacts from any human activities. The size of buffers can also be specific to species and location, and can change based on findings of science or movement of species. Therefore, timing limitations would be applied by the authorizing officer as appropriate for the specific lease areas and in compliance with the unit's resource management plan. The BLM would consult with the appropriate agencies (e.g., state wildlife agencies) in establishing the periods and extent of area for timing limitations.

A controlled surface use stipulation allows the BLM to require that any future activity or development be modified or relocated from the proposed location if necessary to achieve resource protection. The project applicant will be required to submit a plan to meet the resource management objectives through special design, construction, operation, mitigation, or reclamation measures, and/or relocation. Unless the plan is approved, no surface occupancy would be allowed on the lease. The following controlled surface use stipulations would be applied by the authorizing officer as appropriate for the specific area and site conditions.

Protection of recreational areas. This stipulation would be applied to minimize the potential for adverse impacts to recreational values, both motorized and non-motorized, and the natural settings associated with the recreational activity.

Description of Lands

PARCEL NV-09-07-093

ALL LANDS

NVB0630-13

Timing Limitations and Controlled Surface Use Lease Stipulations

Where standard lease terms and permit-level decisions are deemed insufficient to protect sensitive resources, but where an NSO is deemed overly restrictive, the BLM and FS would apply seasonal or time limited stipulations or controlled surface use stipulations to leases. In general, timing limitations are used to protect resources that are sensitive to disturbance during certain periods. Such stipulations are generally applicable to specific areas, seasons, and resources. They are commonly applied to wildlife activities and habitat, such as winter range for deer, elk, and moose; nesting habitat for raptors and migratory birds; and breeding areas. Buffer zones are also used to further mitigate impacts from any human activities. The size of buffers can also be specific to species and location, and can change based on findings of science or movement of species. Therefore, timing limitations would be applied by the authorizing officer as appropriate for the specific lease areas and in compliance with the unit's resource management plan. The BLM would consult with the appropriate agencies (e.g., state wildlife agencies) in establishing the periods and extent of area for timing limitations.

A controlled surface use stipulation allows the BLM to require that any future activity or development be modified or relocated from the proposed location if necessary to achieve resource protection. The project applicant will be required to submit a plan to meet the resource management objectives through special design, construction, operation, mitigation, or reclamation measures, and/or relocation. Unless the plan is approved, no surface occupancy would be allowed on the lease. The following controlled surface use stipulations would be applied by the authorizing officer as appropriate for the specific area and site conditions.

Protection of erosive soils and soils on slopes greater than 30 percent. This stipulation would be applied to minimize the potential for adverse impacts to erosive soils as defined as severe or very severe erosion classes based on Natural Resources Conservation Service mapping.

Description of Lands

PARCEL NV-09-07-077	ALL LANDS
PARCEL NV-09-07-080	ALL LANDS
PARCEL NV-09-07-091	ALL LANDS

Other Lease Stipulations

Protection of Geothermal Features

Under the following situations, the BLM or FS would apply stipulations to protect the integrity of geothermal resource features, such as springs and geysers. If it is determined that geothermal operations are reasonably likely to result in a significant adverse effect to such a feature, then BLM would decline to issue the lease.

Any lease that contain thermal features (e.g., springs or surface expressions) would have a stipulation requiring monitoring of the thermal features during any exploration, development, and production of the lease to ensure that there are no impacts to water quality or quantity.

Description of Lands

PARCEL NV-09-07-094

ALL LANDS

Sensitive Species

For agency-designated sensitive species (e.g., sage grouse), a lease stipulation (NSO, controlled surface use, or timing limitations) would be imposed for those portions of high value/key/crucial species habitat where other existing measures are inadequate to meet agency management objectives.

Description of Lands

PARCEL NV-09-07-077 THRU PARCEL NV-09-07-078	ALL LANDS
PARCEL NV-09-07-091	ALL LANDS
PARCEL NV-09-07-095	ALL LANDS

Cultural Resources

In accordance with BLM Instruction Memorandum No. 2005-003, the BLM will apply the following stipulation to protect cultural resources:

“This lease may be found to contain historic properties and/or resources protected under the National Historic Preservation Act (NHPA), American Indian Religious Freedom Act, Native American Graves Protection and Repatriation Act, Executive Order 13007, or other statutes and executive orders. The BLM will not approve any ground-disturbing activities that may affect any such properties or resources until it completes its obligations 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.”

Description of Lands

PARCEL NV-09-07-077 THRU PARCEL NV-09-07-078	ALL LANDS
PARCEL NV-09-07-088 THRU PARCEL NV-09-07-089	ALL LANDS
PARCEL NV-09-07-091	ALL LANDS
PARCEL NV-09-07-093 THRU PARCEL NV-09-07-095	ALL LANDS

Unit Joinder Requirement

The successful applicant for the lands listed below shall file with this office, proof of having joined in the Humboldt House Unit Agreement, if in the public interest. BLM may require that Federal leases that become effective on or after August 8, 2005, contain a provision stating that BLM may require commitment of the lease to a unit agreement, and may prescribe the unit agreement to which such lease must commit to protect the rights of all parties in interest, including the United States (43 CFR 3280.4) or submit satisfactory reasons for not participating in this unit.

Description of Lands

PARCEL NV-09-07-034	ALL LANDS
PARCEL NV-09-07-035	ALL LANDS
PARCEL NV-09-07-036	ALL LANDS

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