

BLM WINNEMUCCA DISTRICT OFFICE
2013 GEOTHERMAL LEASE NOMINATIONS
SITE SPECIFIC STIPULATIONS

NV-13-01-006

1685.690 Acres
T.0310N, R.0330E, 21 MDM, NV
Sec. 004 LOTS 3-13;
004 SW;
008 LOTS 1-7;
008 NE, E2SE, SWSE;
010 ALL;
038 LOTS 1-4;
Pershing County
Winnemucca DO
N-090759

SITE SPECIFIC STIPULATIONS

In addition to the general lease stipulations applicable to all nominated lease parcels, the following site specific stipulations apply to parcel NV-13-01-006:

CULTURAL/NATIVE AMERICAN

NV-WDO-CRNA-03(b), NTL

Surface Occupancy may be limited in areas with important cultural and archaeological resources, such as traditional cultural properties and Native American sacred sites, as identified through consultation.

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.

Authority/Supporting Documentation:

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

Description of Lands

Entire Parcel

NV-WDO-CRNA-04(a), NSO

NRHP 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.

NTL: A NRHP eligible site exists in T31N R33E Sec. 8 SWNE and T31N R33E Sec. 8 NWSE; potential NRHP eligible sites are in T31N R33E Sec. 4 (entire section), T31N R33E Sec.38 Lot 1, Lot 3, Lot 4.

Authority/Supporting Documentation:

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

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

T.0310N, R.0330E, 21 MDM, NV

Sec. 004 ALL;

Sec. 008 SWNE, NWSE;

Sec. 038 Lot 1, Lot 3, Lot 4.

HISTORIC TRAILS

NV-WDO-HT-01(a), NSO

NRHP 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.

NTL: No Surface Occupancy will be applied 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.

The California Trail goes through part of one section (T31N R33E Sec. 4) and the other sections are within a mile of the California Trail.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

T.0310N, R.0330E, 21 MDM, NV

Sec. 004 ALL.

NV-WDO-HT-02, CSU/NTL

Protection of visual resources. 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) and other sensitive viewsheds such as within the visual setting of National Scenic and Historic Trails or near residential areas.

NTL: This parcel includes lands within the viewshed 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.

The California Trail goes through part of one section (T31N R33E Sec. 4) and the other sections are within a mile of the California Trail.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

Entire Parcel

LANDS & REALTY

NV-WDO-L&R-01, NTL

This parcel contains linear Right(s)-of-Way. Contact ROW holder prior to any geothermal activities. No drilling, including exploration or development activities, within linear rights-of-way. Maintain a safe distance from electric conductors as recommended by the National Electric Safety Code.

Authority/Supporting Documentation:

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

Description of Lands

Entire Parcel

PALEONTOLOGICAL RESOURCES

NV-WDO-PALEO-02, NTL

This area has moderate potential for vertebrate 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.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008;

WO-IM-2008-009, Potential Fossil Yield Classification (PFYC) System for Paleontological Resources on Public Lands, dated October 15, 2007;

WO-IM-2009-011, Assessment and Mitigation of Potential Impacts to Paleontological Resources, dated October 10, 2008.

Description of Lands

T.0310N, R.0330E, 21 MDM, NV

Sec. 040 ALL;

Sec. 080 ALL.

T.0310N, R.0330E, 21 MDM, NV
 Sec. 010 ALL.

RIPARIAN

NV-WDO-RIPAR-01, NSO

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

Additional Comments:

Applied to the following areas based on playa areas mapped in the National Hydrography Dataset as well as FEMA mapped 100 year floodplains.

T.0310N, R.0330E, 21 MDM, NV
 Sec. 004 N2L2, L1, NESE, NWSE, SESESW, SWSE, SESE;
 Sec. 008 NENE, NE/NW/SEWNE, E2NENW, SENW, NE/SW/SESWNE, SENE, NESE, NWSE,
 W2SWSE, N2SESE;
 Sec. 010 NE, N2NW, NESENW, N2SW, NE/NW/SESWSW, NW/SW/SESESW, N2SE, NESWSE,
 NE/NE/SESESE;
 Sec. 038 ALL.

Authority/Supporting Documentation:
PEIS for Geothermal Leasing in the Western US, ROD, October 2008

Description of Lands
 See Additional Comments

NV-WDO-RIPAR-02, CSU/NTL

Controlled surface use of riparian and wetland habitat. Controlled surface use 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.

Additional Comments:

Applied to the following areas based on streams and playa areas mapped in the National Hydrography Dataset as well as FEMA mapped 100 year floodplains:

T.0310N, R.0330E, 21 MDM, NV
 Sec. 004 N2L2, L1, NESE, NWSE, SESESW, SWSE, SESE;
 Sec. 008 NENE, NE/NW/SEWNE, E2NENW, SENW, NE/SW/SESWNE, SENE, NESE, NWSE,
 W2SWSE, N2SESE;
 Sec. 010 NE, N2NW, NESENW, N2SW, NE/NW/SESWSW, NW/SW/SESESW, N2SE, NESWSE,
 NE/NE/SESESE;
 Sec. 038 ALL.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, October 2008

Description of Lands

See Additional Comments

SOILS

NV-WDO-SOIL-01, NSO

No surface occupancy on slopes in excess of 40 percent and/or soils with high erosion potential.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

T.0310N, R.0330E, 21 MDM, NV

Sec. 008 W2SESE

VISUAL RESOURCE MANAGEMENT

NV-WDO-VRM-02, CSU

Controlled surface use for the protection of visual resources. Controlled surface use 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.

Additional Comments:

VRM Class II on lands administered by the BLM

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

Entire Parcel

WILDLIFE

Sage Grouse - *The following stipulations apply to protect sage grouse and their habitat. Known habitat is defined as those areas where sage grouse have been observed. Potential habitat is those areas where sage grouse may occur.*

NV-WDO-WILD-02, TL

Timing limitations on known or potential sage grouse habitat. *Prior to entry on any lease areas which include known or potential habitat, the lessee (operator) shall contact the appropriate BLM Field Office to discuss any proposed activities.* During the times specified below, avoid all development or exploration activities within known or potential nesting, brood-rearing and winter habitat, and within 1 km (0.6 mile) of known or potential habitat (PMUs). The times specified are per interim NV Guidelines or as determined by Field Office and Wildlife personnel.

Nesting habitat and brood-rearing habitats: April through August
 Winter habitats: October through March

Additional Comments:

Eastern portion of T31N., R33E., Section 10 falls within the Humboldt PMU.

Authority/Supporting Documentation:

*EA-NV-02-029 Geothermal Resources Leasing PEA, DR, September 2002
 PEIS for Geothermal Leasing in the Western US, ROD, December 2008;*

Description of Lands

T.0310N, R.0330E, 21 MDM, NV
 Sec. 010 E2.

NV-WDO-WILD-05, CSU

Sensitive Species Stipulation. **Controlled Surface use or no surface occupancy to protect agency-designated 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.

NTL: Based on habitat characteristics, the lessee may be required to conduct surveys for sensitive species that may potentially utilize the area.

Additional Comments:

Surveys would be needed for Owyhee Prickly Phlox and other sensitive plants to determine whether or not an NSO/CSU is applied.

Western Snowy Plover

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Description of Lands

Entire Parcel

NV-WDO-WILD-05(a), NSO

No surface occupancy in sage-grouse Population Management Units (PMUs).

Additional Comments:

Eastern portion of T31N, R33E. Section 10 falls within the Humboldt PMU.

Authority/Supporting Documentation:

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

Description of Lands

T.0310N, R.0330E, 21 MDM, NV

Sec. 010 E2E2;

Sec. 038 ALL.

NV-WDO-WILD-05(b), CSU (2002)

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

Additional Comments:

Small amount of nesting habitat present.

Authority/Supporting Documentation:

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

Description of Lands

Entire Parcel

NV-WDO-WILD-05(c), NTL/TL

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

Additional Comments:

Winter habitat present.

Authority/Supporting Documentation:

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

Description of Lands

Entire Parcel

Big Horn Sheep & Big Game - *The following stipulations apply to protect sage grouse and their habitat.*

NV-WDO-WILD-04, CSU/TL

Controlled surface use or timing limitations for critical big game habitat.

NTL: Upon site specific analysis, controlled surface use, timing limitations, or mitigation measures may be applied to address areas of crucial deer, antelope, and big horn sheep habitat.

Additional Comments:

Crucial winter habitat for mule deer.

Authority/Supporting Documentation:

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

Description of Lands

Entire Parcel

NV-WDO-WILD-06, NTL/TL

Timing limitation on wildlife migration corridors and important habitat.

Authority/Supporting Documentation:

PEIS for Geothermal Leasing in the Western US, ROD, December 2008

Additional Comments:

Crucial winter habitat for mule deer.

Description of Lands

Entire Parcel