

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

2557142

Oil and Gas Location Assessment

☒ New Location ☐ Amend Existing Location Location#: _____

Submit original plus one copy. This form is to be submitted to the COGCC prior to any ground disturbance activity associated with oil and gas development operations. This Assessment may be approved as a stand alone application or submitted as an informational report accompanying an Application for Permit-To-Drill, Form 2. Approval of this Assessment will allow for the construction of the below specified location; however, it does not supersede any land use rules applied by the local land use authority. This form may serve as notice to land owners and other interested parties, please see the COGCC web site at <http://colorado.gov/cogcc/> for all accompanying information pertinent to this Oil and Gas Location Assessment.

Location ID:

417386

Expiration Date:

05/20/2013
☒ This location assessment is included as part of a permit application.

1. CONSULTATION

- ☐ This location is included in a Comprehensive Drilling Plan. CDP # _____
- ☒ This location is in a sensitive wildlife habitat area.
- ☐ This location is in a wildlife restricted surface occupancy area.
- ☐ This location includes a Rule 306.d.(1)A.ii. variance request.

2. Operator

Operator Number: 5Name: COLORADO OIL & GAS CONSERVATION COMMISSIONAddress: 1120 LINCOLN ST SUITE 801City: DENVER State: CO Zip: 80203

3. Contact Information

Name: STEVEN LINDBLOMPhone: (303) 894-2100X5114Fax: (303) 894-2109email: STEVEN.LINDBLOM@STATE.CO.US

4. Location Identification:

Name: DEEP CANYON MWNumber: 34-4-32-1County: ARCHULETAQuarterQuarter: SESW Section: 32 Township: 34N Range: 4W Meridian: M Ground Elevation: 6724

Define a single point as a location reference for the facility location. This point should be used as the point of measurement in the drawings to be submitted with this application. When the location is to be used as a well site then the point shall be a well location.

Footage at surface: 840 feet, from North or South section line: FSL and 1961 feet, from East or West section line: FWLLatitude: 37.143311 Longitude: -107.309982 PDOP Reading: 1.7 Date of Measurement: 09/11/2008

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: ONE SURFACE TELEMETRY STATION WITH CORRAL PANEL FENCING

6. Construction:

Date planned to commence construction: 05/01/2010 Size of disturbed area during construction in acres: 0.40
Estimated date that interim reclamation will begin: 06/15/2010 Size of location after interim reclamation in acres: 0.20
Estimated post-construction ground elevation: 6724 Will a closed loop system be used for drilling fluids: Yes ☒
Will salt sections be encountered during drilling: Yes ☐ No ☒ Is H2S anticipated? Yes ☐ No ☒
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes ☐ No ☒
Mud disposal: Offsite ☒ Onsite ☐ Method: Land Farming ☐ Land Spreading ☐ Disposal Facility ☒
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: _____
Surface Owner: ☐ Fee ☐ State ☒ Federal ☐ Indian
Mineral Owner: ☐ Fee ☐ State ☒ Federal ☐ Indian
The surface owner is: ☒ the mineral owner ☐ committed to an oil and gas lease
☐ is the executer of the oil and gas lease ☐ the applicant
The right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way
☐ applicant is owner
Surface damage assurance if no agreement is in place: ☐ \$2000 ☐ \$5000 ☐ Blanket Surety ID _____

8. Reclamation Financial Assurance:

☐ Well Surety ID: _____ ☐ Gas Facility Surety ID: _____ ☐ Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 6864, public road: 150, above ground utilit: 6550
, railroad: 171600, property line: 840

10. Current Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☒ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

11. Future Land Use (Check all that apply):

Crop Land: ☐ Irrigated ☐ Dry land ☐ Improved Pasture ☐ Hay Meadow ☐ CRP
Non-Crop Land: ☐ Rangeland ☒ Timber ☐ Recreational ☐ Other (describe): _____
Subdivided: ☐ Industrial ☐ Commercial ☐ Residential

12. Soils:

List all soil map units that occur within the proposed location. Attach the National Resource Conservation Service (NRCS) report showing the "Map Unit Description" report listing the soil typical vertical profile. This data is to used when segregating topsoil.

The required information can be obtained from the NRCS web site at <http://soildatamart.nrcs.usda.gov/> or from the COGCC web site GIS Online map page found at <http://colorado.gov/cogcc>. Instructions are provided within the COGCC web site help section.

NRCS Map Unit Name: 4E CARCAS LOAM 25-65% SLOPES. (NOT AVAILABLE ON WEB SITE) ADDITIONAL DATA ATTACHED FROM NRCS, 5 DOCS

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

13. Plant Community:

Complete this section only if any portion of the disturbed area of the location's current land use is on non-crop land.

Are noxious weeds present: Yes ☐ No ☒

Plant species from: ☐ NRCS or, ☒ field observation Date of observation: 09/03/2008

List individual species: THISTLES

Check all plant communities that exist in the disturbed area.

- ☐ Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- ☐ Native Grassland (Bluestern, Grama, Wheatgrass, Buffalograss, Fescue, Oatgrass, Brome)
- ☒ Shrub Land (Mahogany, Oak, Sage, Serviceberry, Chokecherry)
- ☐ Plains Riparian (Cottonwood, Willow, Aspen, Maple, Poplar, Russian Olive, Tamarisk)
- ☒ Mountain Riparian (Cottonwood, Willow, Blue Spruce)
- ☒ Forest Land (Spruce, Fir, Ponderosa Pine, Lodgepole Pine, Juniper, Pinyon, Aspen)
- ☐ Wetlands Aquatic (Bullrush, Sedge, Cattail, Arrowhead)
- ☐ Alpine (above timberline)
- ☐ Other (describe): _____

14. Water Resources:

Rule 901.e. may require a sensitive area determination be performed. If this determination is performed the data is to be submitted with the Form 2A.

Is this a sensitive area: ☐ No ☒ Yes Was a Rule 901.e. Sensitive Areas Determination performed: ☒ No ☐ Yes

Distance (in feet) to nearest surface water: 100, water well: 6844, depth to ground water: 30

Is the location in a riparian area: ☒ No ☐ Yes Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes

Is the location within a Rule 317B Surface Water Suppl Area buffer zone:

☒ No ☐ 0-300 ft. zone ☐ 301-500 ft. zone ☐ 501-2640 ft. zone

If the location is within a Rule 317B Surface Water Supply Area buffer have all public water supply systems within 15 miles been notified: ☐ No ☐ Yes

15. Comments:

THIS LOCATION IS ON UNITED STATES FOREST LANDS. IT IS WITHIN A CRITICAL MULE DEER WINTER HABITAT AREA. THIS LOCATION IS LOCATED ON A PARTIALLY RECLAIMED WELL PAD. THE WELL PAD HAS AN ABUNDANCE OF THISTLES IN THE SUMMER MONTHS. A CLOSED LOOP DRILLING SYSTEM WILL BE USED. DEPTH TO GROUNDWATER AT THE DEEP CANYON WELL HEAD IS EXTRAPOLATED TO BE 30 FEET. NO PUBLIC MAN MADE IMPROVEMENTS ARE VISIBLE FROM THE WELL SITE ALTHOUGH THE FOREST ROAD 842 TRAFFIC WILL BE VISIBLE AT 115' FROM THE WELL BORE. THE WELL BORE INSTALLATION WILL CONSIST OF A WELL HEAD, TELEMTRY INSTALLATION OF LESS THAN EIGHT FEET IN HEIGHT AND FOUR 16' CORRAL PANELS AS PROTECTIVE BARRIER AROUND THE WELL HEAD AND TELEMTRY INSTALLATION. DRILL RIG HEIGHT IS APPROX. 50 FEET. There are no visible improvements within 400 feet. The reference area is located adjacent to the well pad to the south on undisturbed land.

I hereby certify that the statements made in this form are, to the best of my knowledge, true, correct and complete.

Signed: _____ Date: 04/23/2010 Email: STEVEN.LINDBLOM@STATE.CO.US

Print Name: STEVEN LINDBLOM Title: ENVIRONMENTAL

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____

David G. Nash

Director of COGCC

Date: 5/21/2010

CONDITIONS OF APPROVAL, IF ANY:

All representations, stipulations and conditions of approval stated in this Form 2A for this location shall constitute representations, stipulations and conditions of approval for any and all subsequent operations on the location unless this Form 2A is modified by Sundry Notice, Form 4 or an Amended Form 2A.

Operator must implement best management practices to contain any unintentional release of fluids.

Location may be in a sensitive area because of shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.

Location is in a sensitive area because of proximity to surface water; therefore, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

Attachment Check List

Att Doc Num	Name	Doc Description
2033086	CORRESPONDENCE	LF@2462151 2033086
2033087	CORRESPONDENCE	LF@2462154 2033087
2033088	SURFACE AGRMT/SURETY	LF@2462159 2033088
2553222	TOPO MAP	LF@2459970 2553222
2557142	FORM 2A	LF@2457970 2557142
2557143	CONST. LAYOUT DRAWINGS	LF@2457972 2557143
2557148	LOCATION PICTURES	LF@2457979 2557148
2557149	LOCATION PICTURES	LF@2457978 2557149
2557150	LOCATION PICTURES	LF@2457977 2557150
2557151	LOCATION PICTURES	LF@2457980 2557151
2557152	LOCATION PICTURES	LF@2457981 2557152
2557153	LOCATION PICTURES	LF@2457983 2557153
2557154	LOCATION PICTURES	LF@2457982 2557154
2557155	LOCATION PICTURES	LF@2457976 2557155
2557156	NRCS MAP UNIT DESC	LF@2457973 2557156
2557157	REFERENCE AREA MAP	LF@2459984 2557157
2557158	ACCESS ROAD MAP	LF@2459981 2557158
2557160	REFERENCE AREA MAP	LF@2459982 2557160
2557162	REFERENCE AREA MAP	LF@2459983 2557162
2557163	PROPOSED BMPs	LF@2457971 2557163
2557164	HYDROLOGY MAP	LF@2457984 2557164

Total Attach: 21 Files