

**FORM  
2A**Rev  
04/01

## State of Colorado

## Oil and Gas Conservation Commission

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



DE ET OE ES

Document Number:

400038347

**Oil and Gas Location Assessment**☐ New Location ☒ Amend Existing Location Location#: 334180

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:

**334180**

Expiration Date:

☒ 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: 100322Name: NOBLE ENERGY INCAddress: 1625 BROADWAY STE 2200City: DENVER State: CO Zip: 80202**3. Contact Information**Name: Tania McNuttPhone: (303) 228-4392Fax: (303) 228-4286email: tmcnutt@nobleenergyinc.com**4. Location**

Identification:

Name: Pad 36L Battlement MesaNumber: 36-12CCounty: GARFIELDQuarterQuarter: SWNW Section: 36 Township: 7S Range: 95W Meridian: 6 Ground Elevation: 8898

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: 2062 feet, from North or South section line: FSL and 760 feet, from East or West section line: FWLLatitude: 39.392173 Longitude: -107.952828 PDOP Reading: 3.0 Date of Measurement: 10/07/2009**5. Facilities (Indicate the number of each type of oil and gas facility planned on location):**

Special Purpose Pits:	<input type="text"/>	Drilling Pits:	<input type="text" value="1"/>	Wells:	<input type="text" value="17"/>	Production Pits:	<input type="text"/>	Dehydrator Units:	<input type="text"/>
Condensate Tanks:	<input type="text" value="8"/>	Water Tanks:	<input type="text"/>	Separators:	<input type="text" value="5"/>	Electric Motors:	<input type="text" value="1"/>	Multi-Well Pits:	<input type="text"/>
Gas or Diesel Motors:	<input type="text" value="2"/>	Cavity Pumps:	<input type="text"/>	LACT Unit:	<input type="text"/>	Pump Jacks:	<input type="text"/>	Pigging Station:	<input type="text"/>
Electric Generators:	<input type="text"/>	Gas Pipeline:	<input type="text" value="1"/>	Oil Pipeline:	<input type="text"/>	Water Pipeline:	<input type="text" value="1"/>	Flare:	<input type="text"/>
Gas Compressors:	<input type="text"/>	VOC Combustor:	<input type="text"/>	Oil Tanks:	<input type="text" value="8"/>	Fuel Tanks:	<input type="text"/>		

Other: \_\_\_\_\_

## 6. Construction:

Date planned to commence construction: 05/01/2010 Size of disturbed area during construction in acres: 5.50  
Estimated date that interim reclamation will begin: 09/01/2010 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 8898 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: Evap. Pit

## 7. Surface Owner:

Name: Noble Energy Inc. Phone: 303-228-4471  
Address: 1625 Broadways, #2200 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: jkohn@nobleenergyinc.com  
City: Denver State: CO Zip: 80202 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: 4871, public road: 3718, above ground utilit: 4871  
, railroad: 35746, property line: 1827

## 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 be 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: Cochetopa Loam 9-50% slopes. Map Unit #17

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: \_\_\_\_\_

List individual species: Gambel Oak, Mountain Brome, Elk Sedge, Utah Serviceberry, Mountain Snowberry, Slender Wheatgrass

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: 391, water well: 4940, depth to ground water: 39

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:

The reference well for this pad is Battlement Mesa 36-12C

The pad design is for 17 wells. Noble Energy Inc. plans to drill 14 wells with this application. The remaining three wells consist of the following:

- TWO wells are existing and producing (BM 36-13D / API #05-045-15468-00 and BM 36-13B / API #05-045-15469-00.
- ONE well was P&A (BM 36-23CXX / API #05-045-15471-00).

Two of the 14 wells to be drilled, will be re-filed (BM 36-23D / API #05-045-12537-00 and BM 36-13C / API #05-045-11433-00).

The second closest waterwell with available groundwater depth data is Permit No.188864, Receipt 0386347A. (Colorado Division of Water Resources Website).

This well pad may have both Fee and Federal mineral owners.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: tmcnutt@nobleenergyinc.com

Print Name: Tania McNutt Title: Regulatory Analyst

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: \_\_\_\_\_ **Director of COGCC** Date: \_\_\_\_\_

### **Attachment Check List**

Att Doc Num	Name	Doc Description
400038408	30 DAY NOTICE LETTER	_Pad 36L-30DAY Letter.pdf
400038409	PROPOSED BMPs	_Pad 36L BMPs.pdf
400038410	ACCESS ROAD MAP	_Pad 36L-Access Road Map.pdf
400038413	HYDROLOGY MAP	_Pad 36L-Hydrology map.pdf
400038415	LOCATION PICTURES	_Pad 36L-Location Pictures.pdf
400038416	MULTI-WELL PLAN	_Pad 36L-Multiwell Plan.pdf
400038417	NRCS MAP UNIT DESC	_Pad 36L-NRCS Map Unit Dec.pdf
400038419	REFERENCE AREA MAP	_Pad 36L-Reference Area Map.pdf
400038420	REFERENCE AREA PICTURES	_Pad 36L-Reference area Pictures.pdf
400040582	CONST. LAYOUT DRAWINGS	_Pad 36L-Construction Layout dwg2.pdf
400040583	LOCATION DRAWING	_Pad 36L-Location2 Dwg.pdf

Total Attach: 11 Files