

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



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Document Number:  
400102480

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:

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: 100322  
 Name: NOBLE ENERGY INC  
 Address: 1625 BROADWAY STE 2200  
 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: MARI CLARK  
 Phone: (303) 228-4413  
 Fax: (303) 228-4286  
 email: mclark@nobleenergyinc.com

4. Location

Identification:

Name: BERNHARDT STATE PC N Number: 36-17 TANK  
 County: WELD  
 Quarter: SENE Section: 36 Township: 5N Range: 67W Meridian: 6 Ground Elevation: 4870

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: 1993 feet FNL, from North or South section line, and 828 feet FEL, from East or West section line.  
 Latitude: 40.357840 Longitude: -104.834990 PDOP Reading: 2.1 Date of Measurement: 08/06/2010

Instrument Operator's Name: ROBERT DALEY

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

Special Purpose Pits:  Drilling Pits:  Wells:  Production Pits:  Dehydrator Units:   
 Condensate Tanks:  Water Tanks:  Separators:  Electric Motors:  Multi-Well Pits:   
 Gas or Diesel Motors:  Cavity Pumps:  LACT Unit:  Pump Jacks:  Pigging Station:   
 Electric Generators:  Gas Pipeline:  Oil Pipeline:  Water Pipeline:  Flare:   
 Gas Compressors:  VOC Combustor:  Oil Tanks:  Fuel Tanks:

Other: 4 BURIED CEMENT PRODUCED H2O VAULTS, 4 EFMS, 6 - 3 PHASE FLOW LINES. SEE COMMENTS FOR ASSOCIATED WELLS.

6. Construction:

Date planned to commence construction: 01/15/2011 Size of disturbed area during construction in acres: 2.00  
 Estimated date that interim reclamation will begin: 02/15/2011 Size of location after interim reclamation in acres: 2.00  
 Estimated post-construction ground elevation: 4870 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: ROBERT/MARILYN SCHNEIDER Phone: \_\_\_\_\_  
 Address: 24987 CR 25 Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: MILLIKEN State: CO Zip: 80543 Date of Rule 306 surface owner consultation: 07/14/2010  
 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 20030012

8. Reclamation Financial Assurance:

Well Surety ID: 20030009  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: 1134, public road: 831, above ground utilit: 814  
 , railroad: 5281, property line: 492

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: 53 – OTERO SANDY LOAM, 5-9% SLOPES

NRCS Map Unit Name: 61 – TASSEL FINE SANDY LOAM, 5-20%

NRCS Map Unit Name: 32 – KIM LOAM, 1-3% SLOPES

### 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: 08/06/2010

List individual species: \_\_\_\_\_

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: 330, water well: 1861, depth to ground water: 11

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:

PERMIT #206722 USED FOR STATIC H2O LEVEL; LOCATED APPROX. 5250' NE. NEAREST RAILROAD IS GREATER THAN 1 MILE. ASSOCIATED WELLS = EXISTING EMC STATE 36-1, EMC STATE 36-2, STATE BERNHARDT 36-12 & STATE BERNHARDT 36-13. EXISTING EQUIPMENT = 2 SEPERATORS, 2 H2O VAULTS, 2 TANKS, 4 3 PHASE FLOW LINES, 2 GAS PIPELINES & 2 EFM'S. PROPOSED WELLS = BERNHARDT STATE PC N36 -17 & BERNHARDT STATE PC N36-27D = ADDING 2 SEPARATORS, 2 H2O VAULTS, 2 OIL TANKS, 2 3 PHASE FLOW LINES, 2 GAS PIPELINES, 2 VOC & 2 EFMS TOTALING EQUIPMENT IN SECTION 3 #1.

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

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

Print Name: MARI CLARK Title: REG. ANALYST II

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: \_\_\_\_\_

**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.**

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**Attachment Check List**

Att Doc Num	Name
400116348	LOCATION PICTURES
400116349	LOCATION DRAWING
400116350	HYDROLOGY MAP
400116351	ACCESS ROAD MAP
400116352	REFERENCE AREA PICTURES
400116353	NRCS MAP UNIT DESC
400116354	PROPOSED BMPs

Total Attach: 7 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)