

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#: 327777

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:
327777
Expiration Date:
01/07/2014

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: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="checkbox"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/> <u>4</u>	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"/> <u>4</u>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/> <u>4</u>	Oil Tanks: <input type="checkbox"/> <u>4</u>	Fuel Tanks: <input type="checkbox"/>	

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: Phone:
Address: Fax:
Address: Email:
City: State: Zip: 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 Mgmt. 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: 12/14/2010 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.

David S. Neslin

COGCC Approved: _____

Director of COGCC

Date: 1/8/2011

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 site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to prevent a release of drilling, completion, produced fluids, or chemical products from entering the drainage located 330 feet south-west of the oil and gas location.

Attachment Check List

Att Doc Num	Name
2533046	CORRESPONDENCE
400102480	FORM 2A SUBMITTED
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: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Ready to Pass 1/04/2011	12/20/2010 10:35:29 AM

Total: 1 comment(s)

BMP

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

Total: 0 comment(s)