

FORM 2A

Rev 04/01

State of Colorado Oil and Gas Conservation Commission

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Table with columns DE, ET, OE, ES

Document Number: 400210219

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 327850

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.

Location ID: 327850 Expiration Date: 12/14/2014

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: Justin Garrett Phone: (303) 228-4449 Fax: (303) 228-4286 email: JDGarrett@nobleenergyinc.com

4. Location Identification:

Name: Shable Number: G17-23D Pad County: WELD Quarter: SWSE Section: 17 Township: 4N Range: 65W Meridian: 6 Ground Elevation: 4759

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.

Footage at surface: 689 feet FSL, from North or South section line, and 1991 feet FEL, from East or West section line. Latitude: 40.307050 Longitude: -104.684640 PDOP Reading: 1.6 Date of Measurement: 08/19/2011 Instrument Operator's Name: Aaron Lund

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

Special Purpose Pits: [] Drilling Pits: [] Wells: [4] 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 3-phase flowlines

6. Construction:

Date planned to commence construction: 12/01/2011 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 02/15/2012 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4759 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: 07/14/2011
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: 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: 653, public road: 673, above ground utilit: 714
, railroad: 5281, property line: 369

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: 35 Loup-Boel loamy sands, 0 to 3 percent slopes

NRCS Map Unit Name: 47 Olney fine sandy loam, 1 to 3 percent slopes

NRCS Map Unit Name: 72 Vona loamy sand, 0 to 3 percent 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: _____

List individual species: _____

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, 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: 303, water well: 114, depth to ground water: 13

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:

Distance to nearest railroad is greater than one mile. Nearest surface water 303' SW is a ditch. Nearest water well 114' SE is an abandoned domestic well; Receipt #9058956, Permit #2815 with a depth of 52' and a static water level of 13'. It no longer exists in field. The reference area is on undisturbed ground immediately adjacent to and North of the pad location as shown in the location photo facing North. Location is a 3-well pad consisting of the proposed Shable G17-22D, Shable G17-23D, and Shable G17-24D, twinning from the existing Shable 17-15G (API: 123-15235), multi-well plan attached. The production facilities for the proposed pad will be added to existing equipment 674' NE of the pad site (Doc #400210220). Surface Use Agreement is attached to the Form 2 for the referenced wells.

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

Signed: _____ Date: 11/21/2011 Email: JDGarrett@nobleenergyinc.com

Print Name: Justin Garrett Title: Regulatory Specialist

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 S. Nashin Director of COGCC Date: 12/15/2011

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.

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Attachment Check List

Att Doc Num	Name
400210219	FORM 2A SUBMITTED
400225930	ACCESS ROAD MAP
400225931	PROPOSED BMPs
400225932	HYDROLOGY MAP
400225933	LOCATION DRAWING
400225934	LOCATION PICTURES
400225935	MULTI-WELL PLAN
400225936	REFERENCE AREA PICTURES
400225939	NRCS MAP UNIT DESC
400225941	WASTE MANAGEMENT PLAN

Total Attach: 10 Files

General Comments

User Group	Comment	Comment Date
Permit	No LGD or public comment received; final review completed.	12/15/2011 7:49:53 AM
OGLA	OK to pass.	12/2/2011 12:21:25 PM

Total: 2 comment(s)

BMP

Type	Comment
Material Handling and Spill Prevention	Spill Prevention Control and Countermeasures (SPCC) plans are in place to address any possible spill associated with Oil & Gas operations throughout the state of Colorado in accordance with CFR 112.
Storm Water/Erosion Control	Stormwater management plans (SWMP) are in place to address construction, drilling and operations associated with Oil & Gas development throughout the state of Colorado in accordance with Colorado Department of Public Health and Environment (CDPHE) General Permit No. COR- 038637. BMP's will be constructed around the perimeter of the site prior to, or at the beginning of construction. BMP's used will vary according to the location, and will remain in place until the pad reaches final reclamation.
General Housekeeping	Housekeeping will consist of neat and orderly storage of materials and fluids. Wastes will be temporarily stored in sealed containers and regularly collected and disposed of at offsite, suitable facilities. If spills occur prompt cleanup is required to minimize any commingling of waste materials with stormwater runoff. Routine maintenance will be limited to fueling and lubrication of equipment. Drip pans will be used during routine fueling and maintenance to contain spills or leaks. Any waste product from maintenance will be containerized and transported offsite for disposal or recycling. There will be no major equipment overhauls conducted onsite. Equipment will be transported offsite for major overhauls. Cleanup of trash and discarded materials will be conducted at the end of each work day. Cleanup will consist of patrolling the roadway, access areas, and other work areas to pickup trash, scrap debris, other discarded materials, and any contaminated soil. These materials will be disposed of properly.

Total: 3 comment(s)