

FORM
2A

Rev
04/01

State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400336371

Date Received:

01/08/2013

Oil and Gas Location Assessment

New Location

Amend Existing Location

Location#: 431056

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 standalone 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:

431056

Expiration Date:

01/30/2016

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: SHABLE AB Number: 11 ECONODE
 County: WELD
 Quarter: SWNW Section: 11 Township: 7N Range: 64W Meridian: 6 Ground Elevation: 4826

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: 2357 feet FNL, from North or South section line, and 200 feet FWL, from East or West section line.
 Latitude: 40.588410 Longitude: -104.525200 PDOP Reading: 2.9 Date of Measurement: 05/08/2012
 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"/> 6	Separators: <input type="checkbox"/> 12	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"/> 1	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/> 4	VOC Combustor: <input type="checkbox"/> 6	Oil Tanks: <input type="checkbox"/> 18	Fuel Tanks: <input type="checkbox"/>	

Other: NEW & TOTAL EQUIPMENT: 2 BURIED CEMENT H2O VAULTS, 12 3 PHASE FLOW LINES, 12 EFM'S, 1 SALES GAS SCRUBBER, 1 MAINTENANCE TANK, 1 COLD VENT & BLOWCASE, 1 COMPRESSION SUCTION SCRUBBER, 1 METER BLDG., 2 DCP METER BUILDINGS, 16 SAND CATCHERS, 1 FLASH GAS COMPRESSOR, 2 VRU'S.

6. Construction:

Date planned to commence construction: 02/28/2013 Size of disturbed area during construction in acres: 5.00
 Estimated date that interim reclamation will begin: 06/28/2013 Size of location after interim reclamation in acres: 5.00
 Estimated post-construction ground elevation: 4826 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: 03/13/2012
 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: 5281, public road: 5281, above ground utilit: 2385
 , railroad: 5281, property line: 200

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: 44 - OLNEY FINE SANDY LOAM, 0-6% SLOPES
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: 03/13/2012
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: 2007, water well: 7307, depth to ground water: 235
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 #159087 USED FOR STATIC H2O LEVEL - LOCATED APPROX. 7307' SE OF SITE. PLEASE SEE ATTACHMENT OTHER (#15 CINTINUED) FOR ASSOCIATED WELLS & ALSO REFERENCED ON FACILITY LOCATION DRAWING. PLEASE BE ADVISED THAT THE ACTUAL LAY OUT OF THE FACILITIES MAY CHANGE, HOWEVER THE ORIGINAL DISTURBED AREA OF 5 ACRES WILL NOT BE ALTERED. CRP CONTRACT EXPIRES 10/1/12. NEAREST SURFACE H2O IS AN UNNAMED CREEK. NEAREST BUILDING, PUBLIC ROAD, & RAILROAD ARE ALL GREATER THAN 1 MILE. THE REFERENCE AREA IS ON UNDISTURBED GROUND IMMEDIATELY ADJACENT TO AND NORTH OF THE OF THE FACILITY LOCATION AS SHOWN IN THE REFERENCE AREA PHOTO FACING NORTH. PLEASE SEE DOC. #400336370 FOR SUA.

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

Signed: _____ Date: 01/08/2013 Email: mclark@nobleenergyinc.com
Print Name: MARI CLARK Title: REGULATORY 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: 1/31/2013

**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.

Attachment Check List

Att Doc Num	Name
2614183	CORRESPONDENCE
2614184	CORRESPONDENCE
400336371	FORM 2A SUBMITTED
400366109	ACCESS ROAD MAP
400366110	OTHER
400366111	OTHER
400366112	HYDROLOGY MAP
400366113	LOCATION DRAWING
400366114	LOCATION PICTURES
400366115	NRCS MAP UNIT DESC
400366117	WASTE MANAGEMENT PLAN
400366122	REFERENCE AREA PICTURES

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Changed the Form 2A from New Location to Amend Location 431056; This moves and enlarges the previously approved Shable USX AB 11-65-1NL TANK location. An existing tank battery that serves the Shable USX AB11-11P, 12P and 14P will remain and become a part of Location 416234 which is a large pad being amended to include the existing AB11-12P, and four new horizontal wells - see Doc 400325557 Changed distance to nearest water well to 7307 feet per operator OGLA review complete	1/31/2013 10:06:38 AM
OGLA	The water well listed by the operator to be 630 feet from the location appears be an abandoned monitoring well. The next nearest registered water well appears to be 159087 located appoximately 7300 feet southeast of the location; requesting operator to confirm	1/24/2013 10:33:27 AM
OGLA	Waiting on operator response to determine how this location relates to the approved production facility with Location ID 431056 before continuing OGLA review	1/23/2013 9:49:50 AM

Total: 3 comment(s)

BMP

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

Total: 3 comment(s)