

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:

400407061

Date Received:

07/24/2013

Oil and Gas Location Assessment

New Location

Amend Existing Location

Location#: 423752

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:

423752

Expiration Date:

10/02/2016

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: Tanner K Number: 33-64-1HNM
 County: WELD
 Quarter: NWSW Section: 33 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4771

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: 2109 feet FSL, from North or South section line, and 280 feet FWL, from East or West section line.
 Latitude: 40.266690 Longitude: -104.790940 PDOP Reading: 2.4 Date of Measurement: 03/26/2012
 Instrument Operator's Name: Rob 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="text" value="3"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="3"/>	Separators: <input type="text" value="10"/>	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="text" value="3"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="text" value="3"/>	VOC Combustor: <input type="text" value="3"/>	Oil Tanks: <input type="text" value="10"/>	Fuel Tanks: <input type="checkbox"/>	

Other: 4 Flowlines, 4 Water Vaults, 4 EFM

6. Construction:

Date planned to commence construction: 10/01/2013 Size of disturbed area during construction in acres: 7.00
Estimated date that interim reclamation will begin: 01/02/2014 Size of location after interim reclamation in acres: 2.00
Estimated post-construction ground elevation: 4771 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: 03/26/2012
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 Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No
Distance, in feet, to nearest building: 420, public road: 269, above ground utility: 259,
railroad: 484, property line: 40

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: 35-Loup-Boel loamy sands, 0 to 3 percent 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: _____
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: 604, water well: 81, depth to ground water: 14
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

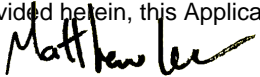
15. Comments:

PERMIT #259951 USED FOR NEAREST WATER WELL DISTANCE. (WELL HAS NOT BEEN CONSTRUCTED YET) CLOSEST WELL WITH SWL IS PERMIT #220773 LOCATED APPROX. 1210' NORTH OF SITE. PROPOSED 2 WELL PAD CONSISTING OF TANNER K33-64-1HNM & K33-63HN. NEAREST SURFACE H2O = IRRIGATION POND. PRODUCTION FACILITY WILL BE ON DISTURBED AREA TO THE NE. THE WELL WILL TEMPORARILY ENCOMPASS 7 ACRES DUE TO THE COMPLETION FRAC TANKS THAT WILL BE LOCATED TEMPORARILY ADJACENT TO THE WELL PAD WITH ONLY MINIMAL DISTURBANCE DURING THE COMPLETION PROCESS. THE SIZE OF THE LOCATION WILL THEN BE REDUCED TO THE NOTATED INTERIM RECLAMATION ACRES IN FACILITIES & CONSTRUCTION, #2. ACCESS ROAD & DISTURBANCE CROSS A PROPERTY LINE. BOTH SIDES OF THE PROPERTY LINE ARE OWNED BY SAME OWNER, WHO HAVE GIVEN CONSENT. USING EXISTING ROADS. EXISTING EQUIPMENT: 2 3 PHASE FLOWLINES, 1 WELL, 1 H2O TANK, 1 PUMP JACK, 4 OIL TANKS, 1 GAS PIPELINE, 4 SEPARATORS, 2 EFM, 1 VOC, 2 H2O VAULTS, 1 COMPRESSOR. ADDING EQUIPMENT: 2 WELL, 2 H2O TANK, 2 PUMP JACKS, 6 SEPARATORS, 6 OIL TANKS, 2 VOC, 2 H2O VAULTS, 2 3 PHASE FLOWLINES, 2 EFM, & 2 COMPRESSORS = TOTALS IN FACILITIES & CONSTRUCTION #1. THE SITE CONSISTS OF BOTH IRRIGATED & DRY CROP LAND.

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

Signed: _____ Date: 07/24/2013 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: 10/3/2013

**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.

Description

Attachment Check List

Att Doc Num	Name
400407061	FORM 2A SUBMITTED
400453879	LOCATION PICTURES
400453882	LOCATION DRAWING
400453883	HYDROLOGY MAP
400453884	ACCESS ROAD MAP
400453887	MULTI-WELL PLAN
400453889	NRCS MAP UNIT DESC
400453892	WASTE MANAGEMENT PLAN

Total Attach: 8 Files

General Comments

User Group	Comment	Comment Date
Permit	Final review complete.	10/3/2013 12:56:46 PM
OGLA	Reviewed 8/9/2013.	8/9/2013 12:59:36 PM
Permit	Ready to pass pending public comment 8/16/13.	3/5/2013 4:04:17 PM

Total: 3 comment(s)

Best Management Practices

No	BMP/COA Type	Description
1	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.
2	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.
3	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.

Total: 3 comment(s)