

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400084476

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 329921

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:

329921

Expiration Date:

10/30/2013☒ 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: Cheryl Johnson

Phone: (303) 228-4437

Fax: (303) 228-4286

email: CherylJohnson@nobleenergyinc.com

4. Location Identification:

Name: SATER Number: C13-27D

County: WELD

QuarterQuarter: NWNE Section: 13 Township: 4N Range: 64W Meridian: 6 Ground Elevation: 4630

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: 519 feet, from North or South section line: FNL and 2076 feet, from East or West section line: FEL

Latitude: 40.318230 Longitude: -104.497110 PDOP Reading: 3.0 Date of Measurement: 05/19/2010

Instrument Operator's Name: David C. Holmes

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="5"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="text" value="5"/>	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="text" value="5"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="2"/>	Oil Tanks: <input type="text" value="5"/>	Fuel Tanks: <input type="checkbox"/>	

Other: 5 water vaults, 5 3-phased flowlines, 5 EFMs

6. Construction:

Date planned to commence construction: 11/01/2010 Size of disturbed area during construction in acres: 4.00
Estimated date that interim reclamation will begin: 01/01/2011 Size of location after interim reclamation in acres: 2.00
Estimated post-construction ground elevation: 4630 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: Paul Sater Phone: _____
Address: 28496 CR 44 Fax: _____
Address: _____ Email: _____
City: Kersey State: CO Zip: 80644 Date of Rule 306 surface owner consultation: 04/20/2010
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: 1776, public road: 504, above ground utilit: 539
, railroad: 5280, property line: 519

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: 40: Nunn loam, 1-3% slopes

NRCS Map Unit Name: 41: Nunn clay loam, 0-1% slopes

NRCS Map Unit Name: 48: Olney fine sandy loam, 3-5% 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: 05/07/2010

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: 415, water well: 1188, depth to ground water: 33

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 Supply 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:

Marked SWH area due to Great Horned Owl nest in area; restrictions Feb 1 - Jul 31. Not listed on COGCC map as restricted. WW permit #39808 used for static level & distance. Location is 5 well multi-well pad for the Sater C13-27D, Sater C13-28D, Sater C13-29D, Sater C13-18D and existing UPV 13-214. Per landowner request facilities for 5 wells will be on location. Reference area is located on undisturbed ground immediately adjacent to loc to the north as shown on the facing north reference area photo. Facilities to north of staked area is for other wells (North loc pic).

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

Signed: _____ Date: 10/05/2010 Email: CherylJohnson@nobleenergyinc.com

Print Name: Cheryl Johnson 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.

David S. Neslin

COGCC Approved: _____ Director of COGCC Date: 10/31/2010

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	Doc Description
400084476	FORM 2A SUBMITTED	LF@2599440 400084476
400084537	ACCESS ROAD MAP	LF@2598340 400084537
400084538	HYDROLOGY MAP	LF@2598341 400084538
400084539	LOCATION DRAWING	LF@2598342 400084539
400084541	MULTI-WELL PLAN	LF@2598343 400084541
400084542	NRCS MAP UNIT DESC	LF@2598344 400084542
400097832	LOCATION PICTURES	LF@2598345 400097832
400097833	REFERENCE AREA PICTURES	LF@2598348 400097833
400097839	PROPOSED BMPs	LF@2598350 400097839

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
DOW	Noble has mapped a great-horned owl nest in the vicinity of the location. As this species is not covered by the HB 1298 rules, timing restrictions do not apply and there is no condition of approval. However, the bird is protected against take (nest disturbance, disturbance to eggs or chicks) by the Migratory Bird Treaty Act. Care should be taken during the breeding and nesting season (early spring).	10/8/2010 8:56:03 AM
Permit	gave a cursory look: PLUGGING surety changed to correct one 20030009/ all attachments open - pass again; this was pushed to draft after completeness check yesterday (per email from Greg Deranleau / PEB	10/7/2010 4:06:15 PM
OGLA	Pushed back to draft at request of Noble (C. Johnson) to provide additional information.	10/7/2010 11:04:55 AM

Total: 3 comment(s)

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