

**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:

400081308

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

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:

419021

Expiration Date:

08/25/2013☒ 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: LDS Number: E25-32

County: WELD

QuarterQuarter: NWSW Section: 25 Township: 6N Range: 65W Meridian: 6 Ground Elevation: 4684

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: 2395 feet, from North or South section line: FSL and 230 feet, from East or West section line: FWL

Latitude: 40.456260 Longitude: -104.619940 PDOP Reading: 2.6 Date of Measurement: 04/20/2010

Instrument Operator's Name: David Holmes

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

Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="2"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="2"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="2"/>	Fuel Tanks: <input type="text"/>	

Other: 2 water vaults, 2 3-phase flowlines, 2 EFM's

6. Construction:

Date planned to commence construction: 09/15/2010 Size of disturbed area during construction in acres: 3.00
Estimated date that interim reclamation will begin: 11/15/2010 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4684 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: 04/08/2010
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 _____

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: 835, public road: 215, above ground utilit: 800
, railroad: 5280, property line: 230

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: 51: Otero Sandy Loam 1-3% slope

NRCS Map Unit Name: 76: Vona Sandy Loam 1-3% slope

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 (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: 195, water well: 2210, depth to ground water: 35

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:

Ckd sensitive due to the close proximity of the irrigation ditches and creek nearby (195' & 271', 261'). The attached topo map and COGCC topo map show symbols for a Union Pacific railroad North of the proposed location. According to field survey and aerial map there is no railroad there.

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

Signed: _____ Date: 08/02/2010 Email: cheryljohnson@nobleenergyinc.com

Print Name: Cheryl Johnson Title: Regulatory Analyst

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: 8/26/2010

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.

Operator must implement best management practices including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures sufficiently protective of proximate surface water to contain any unintentional release of drilling, completion, or produced fluids.

Attachment Check List

Att Doc Num	Name	Doc Description
1641891	CORRESPONDENCE	LF@2520927 1641891
400081308	FORM 2A SUBMITTED	LF@2516769 400081308
400081319	LOCATION PICTURES	LF@2516770 400081319
400081320	LOCATION DRAWING	LF@2516771 400081320
400081321	HYDROLOGY MAP	LF@2516772 400081321
400081322	ACCESS ROAD MAP	LF@2516773 400081322
400081323	MULTI-WELL PLAN	LF@2516774 400081323
400081324	NRCS MAP UNIT DESC	LF@2516775 400081324
400081325	PROPOSED BMPs	LF@2516776 400081325

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	OGLA task passed.	8/24/2010 8:16:10 AM

OGLA	<p data-bbox="264 65 800 126">From: CherylJohnson@nobleenergyinc.com [mailto:CherylJohnson@nobleenergyinc.com]</p> <p data-bbox="264 157 751 184">Sent: Tuesday, August 10, 2010 2:22 PM</p> <p data-bbox="264 216 493 243">To: Andrews, Doug</p> <p data-bbox="264 275 1122 336">Subject: Re: LDS E25-32 - COGCC Location Assessment Form 2A (Doc. 400081308) review for Noble Energy</p> <p data-bbox="264 367 334 394">Doug,</p> <p data-bbox="264 426 933 453">I concur with your notation and accept the COA as listed.</p> <p data-bbox="264 485 396 512">Thank you,</p> <p data-bbox="264 543 449 571">Cheryl Johnson</p> <p data-bbox="264 602 488 630">Regulatory Analyst</p> <p data-bbox="264 661 475 688">Noble Energy Inc.</p> <p data-bbox="264 720 540 747">From: "Andrews, Doug"</p> <p data-bbox="264 779 305 806">To:</p> <p data-bbox="264 837 591 865">Date: 08/10/2010 11:57 AM</p> <p data-bbox="264 896 1224 957">Subject: LDS E25-32 - COGCC Location Assessment Form 2A (Doc. 400081308) review for Noble Energy</p> <hr data-bbox="264 1024 855 1031"/> <p data-bbox="264 1062 350 1089">Cheryl,</p> <p data-bbox="264 1121 1214 1209">The COGCC has reviewed the Form 2A for the LDS E25-32 oil and gas location, NWSW Sec 25 T6N R65W, Weld County and has several changes regarding the information Noble Energy has included on the Form 2A.</p> <p data-bbox="264 1241 1252 1392">1) Water Resources – A review of the permit for water well Permit #1521-R indicates the well was plugged and abandoned in 1995 and no longer exists. It appears the nearest water well is now water well Permit #8422, approximately 2,210 feet north of the proposed oil and gas location. Therefore, please approve changing the distance to the nearest water well from 1,838 feet to 2,210 feet on the Form 2A.</p> <p data-bbox="264 1423 1224 1512">2) Comments – Based on my Comment #1 above concerning water well Permit #1521-R, please approve removing from the Form 2A the statement that indicates water well Permit #1521-R is closest to the proposed oil and gas location.</p> <p data-bbox="264 1543 1230 1728">3) Conditions of Approval – Due to the proximity of surface water (195 feet) to the proposed oil and gas location, please approve the addition of the following COA to the Form 2A: "Operator must implement best management practices including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures sufficiently protective of proximate surface water to contain any unintentional release of drilling, completion, or produced fluids."</p> <p data-bbox="264 1759 1203 1787">If you have any questions about this change to the Form 2A, please contact me.</p> <p data-bbox="264 1818 415 1845">Respectfully,</p> <p data-bbox="264 1877 508 1904">R. Douglas Andrews</p> <p data-bbox="264 1936 760 1963">Oil & Gas Location Assessment Specialist</p>	<p data-bbox="1266 65 1469 92">8/20/2010</p> <p data-bbox="1266 92 1469 121">7:20:27 AM</p>
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Total: 2 comment(s)

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