

State of Colorado
Oil and Gas Conservation Commission

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



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Document Number:

400074678

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:

418970

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: Susan Miller

Phone: (303) 228-4246

Fax: (303) 228-4286

email: smiller@nobleenergyinc.com

4. Location Identification:

Name: IRVINE PC Number: AB22-10 TANK

County: WELD

Quarter: SWSE Section: 22 Township: 7N Range: 64W Meridian: 6 Ground Elevation: 4850

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: 115 feet, from North or South section line: FSL and 1423 feet, from East or West section line: FEL

Latitude: 40.551810 Longitude: -104.531350 PDOP Reading: 2.0 Date of Measurement: 06/21/2010

Instrument Operator's Name: Brian Brinkman

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"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <u>1</u>	Separators: <u>2</u>	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: <u>1</u>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <u>1</u>	Oil Tanks: <u>2</u>	Fuel Tanks: <input type="text"/>	

Other: 1 EFM, 1 water vault, 1 3-phase flowline

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 12/01/2010 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4850 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: 06/17/2010
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: 892, public road: 99, above ground utilit: 105
, railroad: 5280, property line: 108

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: 44 Olney fine sandy loam, 0-6% slopes

NRCS Map Unit Name: 55 Renohill fine sandy loam, 0-6% slopes

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: 06/21/2010

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: 96, water well: 990, depth to ground water: 162

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:

Nearest railroad over 1 mile from location. Nearest water well permit no. 235609. Reference area is located adjacent to the location to the north as shown on the reference area photo. This proposed production facility will service the following well: proposed Irvine PC AB22-10.

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

Signed: _____ Date: 07/13/2010 Email: smiller@nobleenergyinc.com

Print Name: Susan Miller 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: 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 to contain any unintentional release of fluids.

Attachment Check List

Att Doc Num	Name	Doc Description
1641843	CORRESPONDENCE	LF@2513774 1641843
400074678	FORM 2A SUBMITTED	LF@2507194 400074678
400075106	ACCESS ROAD MAP	LF@2507195 400075106
400075107	PROPOSED BMPs	LF@2507196 400075107
400075108	HYDROLOGY MAP	LF@2507197 400075108
400075109	LOCATION DRAWING	LF@2507198 400075109
400075110	LOCATION PICTURES	LF@2507199 400075110
400075111	NRCS MAP UNIT DESC	LF@2507200 400075111

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	<p>From: SMiller@nobleenergyinc.com [mailto:SMiller@nobleenergyinc.com]</p> <p>Sent: Wednesday, July 28, 2010 10:51 AM</p> <p>To: Andrews, Doug</p> <p>Subject: IRVINE PC AB22-10 TANKDoc. 400074678</p> <p>Hi Doug,</p> <p>I will assume you meant to send this e-mail to me and not Jan.</p> <p>Noble concurs with all (3) proposed changes noted below for the referenced permit.</p> <p>Thank you.</p> <p>Susan Miller</p> <p>Regulatory Analyst II</p> <p>Noble Energy Inc., 1625 Broadway, Suite 2200, Denver, CO 80202</p> <p>Direct Line: 303-228-4246</p> <p>e-mail: smiller@nobleenergyinc.com</p> <p>From: "Andrews, Doug"</p> <p>To:</p> <p>Date: 07/28/2010 09:38 AM</p>	8/5/2010 8:10:34 AM

OGLA	<p>Subject: Doc. 400074678 - COGCC Location Assessment Form 2A review for Noble Energy's IRVINE PC AB22-10 TANK</p> <hr/> <p>Jan,</p> <p>I've recently reviewed the above referenced Oil & Gas Location Assessment Form 2A and have several changes I'd like to get your input on.</p> <p>1. Soils – While you have included both of the correct NRCS soil unit descriptions in the NRCS Map Unit Description Attachment, the Soils section of the Form 2A incorrectly lists the 57-Renohill clay loam. This should be the 55-Renohill fine sandy loam, 0-6 percent slopes. Please approve me changing the Soils list on the Form 2A to match those soil units correctly included in the Attachment.</p> <p>2. Water Resources – Because of the proximity of surface water (96 feet) to the tank battery location, please approve me changing the sensitive area designation form No to Yes on the Form 2A.</p> <p>3. Conditions of Approval – Although you have included a copy of Noble Energy's BMPs as an attachment to the Form 2A, because of the proximity of surface water to the oil and gas location, please approve me adding the following COA to the Form 2A: "Operator must implement best management practices to contain any unintentional release of fluids."</p> <p>If you have any questions about these changes to the Form 2A, please feel free to contact me.</p> <p>Respectfully,</p> <p>R. Douglas Andrews</p> <p>Oil & Gas Location Assessment Specialist</p> <p>Colorado Oil & Gas Conservation Commission</p> <p>1120 Lincoln Street, Suite 801</p> <p>Denver, CO 80203</p> <p>Phone: (303) 894-2100 EXT 5134</p> <p>Fax: (303) 894-2109</p> <p>Email: doug.andrews@state.co.us</p>	8/5/2010 8:10:34 AM
OGLA	OGLA task passed.	8/5/2010 8:10:07 AM

Total: 2 comment(s)

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