

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:

400088797

## Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 420042

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:

**420042**

Expiration Date:

**11/17/2013**
☐ 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: MARI CLARK  
 Phone: (303) 228-4413  
 Fax: (303) 228-4286  
 email: mclark@nobleenergyinc.com

## 4. Location Identification:

Name: FIVE RIVERS K Number: 08-17D TANK  
 County: WELD  
 Quarter: NESE Section: 8 Township: 4N Range: 66W Meridian: 6 Ground Elevation: 4704  
 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: 437 feet, from North or South section line: FSL and 1280 feet, from East or West section line: FEL  
 Latitude: 40.322920 Longitude: -104.796960 PDOP Reading: 1.4 Date of Measurement: 03/01/2010  
 Instrument Operator's Name: DALLAS NIELSEN

## 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: <input type="text"/>	Separators: <input type="text" value="9"/>	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="9"/>	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="4"/>	Oil Tanks: <input type="text" value="9"/>	Fuel Tanks: <input type="text"/>	

Other: 9 BURIED CEMENT PRODUCED H2O VAULTS, 9 EFM, 13 - 3 PHASE FLOW LINES. SEE COMMENTS FOR ASSOCIATED WELLS.

## 6. Construction:

Date planned to commence construction: 06/01/2011 Size of disturbed area during construction in acres: 4.00  
Estimated date that interim reclamation will begin: 07/01/2011 Size of location after interim reclamation in acres: 2.00  
Estimated post-construction ground elevation: 4704 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: 02/04/2010  
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: 5281, public road: 1438, above ground utilit: 114  
, railroad: 3846, property line: 80

## 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: 3 - AQUOLLS & AQUENTS. GRAVELLY SUBSTRATUM, 0-3% 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 (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: 131, water well: 762, depth to ground water: 4

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:

PERMIT #25140 USED FOR STATIC H2O LEVEL; APPROX. 775' NE. NOBLE WILL BE ADDING EQUIPMENT FOR 8 NEW WELLS TO THIS FACILITY. ASSOCIATED WELLS = EXISTING MONFORT GILCREST K8-16, K8-14, K8-10, K8-9, K8-8 & PROPOSED FIVE RIVERS K08-24D, K17-27, K09-33D, K16-30D, K08-17D, K08-07D, K08-22D K08-23. PLEASE SEE EQUIPMENT LIST ATTACHMENT FOR COMPLETE DETAILS. ENVIRONMENTAL REPORT IS INCLUDED FOR BALD EAGLE WINTER NIGHT ROOST.

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

Signed: \_\_\_\_\_ Date: 10/25/2010 Email: mclark@nobleenergyinc.com

Print Name: MARI CLARK Title: REG. 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: 11/18/2010

**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
2085736	CORRESPONDENCE	LF@2613619 2085736
400088797	FORM 2A SUBMITTED	LF@2609122 400088797
400091184	LOCATION PICTURES	LF@2609123 400091184
400091187	LOCATION DRAWING	LF@2609124 400091187
400091189	HYDROLOGY MAP	LF@2609125 400091189
400091191	ACCESS ROAD MAP	LF@2609126 400091191
400091194	NRCS MAP UNIT DESC	LF@2609127 400091194
400091196	PROPOSED BMPs	LF@2609128 400091196
400091197	SENSITIVE AREA DATA	LF@2609129 400091197
400091198	EQUIPMENT LIST	LF@2609130 400091198

Total Attach: 10 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
OGLA	Changed to "amend location" 420042, changed C&F land use to "irrigated", removed plant community information and reference area comment.	11/4/2010 1:08:47 PM
DOW	The BMPS prepared by Savage and Savage and submitted by Noble for timing limitations on the bald eagle roost site are sufficient.	10/29/2010 10:19:42 AM
Permit	Per Kate Miller, the proposed tanks shall be 15' in diameter and shall be located greater than 30' from the property line. PVG	10/28/2010 3:54:45 PM
Permit	Unchecked restricted surface occupancy and checked sensitive wildlife habitat. PVG	10/28/2010 12:28:38 PM

Total: 4 comment(s)

Error: Subreport could not be shown.