

FORM  
2A

Rev  
04/01

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:

400038338

**Oil and Gas Location Assessment**

☐ New Location ☒ Amend Existing Location Location#: 414175

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:

**414175**

Expiration Date:

**03/30/2013**

☒ 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: 27742

Name: EOG RESOURCES INC

Address: 600 17TH ST STE 1100N

City: DENVER State: CO Zip: 80202

**3. Contact Information**

Name: Amber Schaller

Phone: (303) 824-5582

Fax: (303) 824-5583

email: amber\_schaller@eogresources.com

**4. Location Identification:**

Name: Longhorn Well Pad Number: \_\_\_\_\_

County: WELD

QuarterQuarter: SESW Section: 36 Township: 12N Range: 63W Meridian: 6 Ground Elevation: 5343

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: 667 feet, from North or South section line: FSL and 2555 feet, from East or West section line: FWL

Latitude: 40.960517 Longitude: -104.381514 PDOP Reading: 1.9 Date of Measurement: 01/22/2010

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

Special Purpose Pits: <input type="text" value="1"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="3"/>	Production Pits: <input type="text" value="0"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="0"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="1"/>	Electric Motors: <input type="text" value="0"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="0"/>	Cavity Pumps: <input type="text" value="2"/>	LACT Unit: <input type="text" value="1"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="text" value="0"/>
Electric Generators: <input type="text" value="1"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="1"/>	Water Pipeline: <input type="text" value="0"/>	Flare: <input type="text" value="0"/>
Gas Compressors: <input type="text" value="0"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="7"/>	Fuel Tanks: <input type="text" value="0"/>	

Other: 1 Emergency tank, 1 Meter Run, Ambitrol, 1 Lined Heater for Trace System, 3 Well Head. Special Purpose Pit is Flare Pit.

6. Construction:

Date planned to commence construction: 04/01/2010 Size of disturbed area during construction in acres: 0.00  
Estimated date that interim reclamation will begin: 10/01/2010 Size of location after interim reclamation in acres: 1.25  
Estimated post-construction ground elevation: 5343 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: Backfill and cover.

7. Surface Owner:

Name: State of Colorado Phone: 303-866-3454  
Address: 1313 Sherman Street Fax: \_\_\_\_\_  
Address: Suite 621 Email: \_\_\_\_\_  
City: Denver State: CO Zip: 80203 Date of Rule 306 surface owner consultation: 01/01/2001  
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: 20030058 ☐ 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: 1503, public road: 2539, above ground utilit: 1418  
, railroad: 83424, property line: 654

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 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: Nunn loam, 0 to 6 percent slopes

NRCS Map Unit Name: Ascalon fine sandy loam, 0 to 6 percent 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: \_\_\_\_\_

List individual species: Western Wheatgrass, Green needlegrass, fourwing saltbrush, other perennial grasses, other perennial forbs, other shrubs, Indian ricegrass, Rabbitbrush, Sand dropseed, Needleandthread, Sideoats grama.

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: 2230, water well: 1632, depth to ground water: 30

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 water well and depth to ground from water well permit # 68051. CDOW Consultation was conducted on 1/25/2010. This pad is linked to EOG's 640 spacing application, Docket number 1002-SP-06, which includes an application for an infill well. This is an existing pad that will contain the Longhorn B 3-36H, API # 05-123-30586-00 and the proposed Longhorn G 4-36H and Longhorn C 5-36H. Reference area located adjacent to and southwest of the location.

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

Signed: \_\_\_\_\_ Date: 02/19/2010 Email: amber\_schaller@eogresources.com

Print Name: Amber Schaller Title: Regulatory Assistant

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: 3/31/2010

**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.**

ALL WELLS MUST BE DRILLED WITH A CLOSED LOOP SYSTEM

NUMBER OF NIOBRARA WELLS (1 OR 2) DEPENDENT ON OUTCOME OF APRIL 2010 HEARING

install a fence around the closed loop system

perform maintenance operations, beginning in the 2011 calendar year, between 3/1 to 6/1 to the hours of 9:00 a.m. and 4:00 p.m. If EOG requests an exception to the timing restriction a sharp tail grouse survey will be conducted in accordance with CDOW protocol prior to the exception request.

leave the well pad "as built", with no expansion. The proposed wellpad will consist of Longhorn B 3-36H, Longhorn C 5-36H, Longhorn G 4-36H

**Attachment Check List**

Att Doc Num	Name	Doc Description
1784908	CORRESPONDENCE	LF@2439321 1784908
1784909	CORRESPONDENCE	LF@2439329 1784909
400041933	LOCATION PICTURES	LF@2426357 400041933
400041934	LOCATION DRAWING	LF@2426359 400041934
400041935	HYDROLOGY MAP	LF@2426361 400041935
400041936	ACCESS ROAD MAP	LF@2426362 400041936
400041937	REFERENCE AREA PICTURES	Reference Area Photo.pdf
400041938	NRCS MAP UNIT DESC	LF@2429877 400041938
400041939	MULTI-WELL PLAN	LF@2429878 400041939
400043347	FORM 2A SUBMITTED	LF@2429879 400043347

Total Attach: 10 Files