

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:
400028303

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:
416780
Expiration Date:
04/20/2013

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: Critter Creek Number: 6-12H
County: WELD
Quarter: NWNW Section: 12 Township: 11N Range: 63W Meridian: 6 Ground Elevation: 5270
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: 875 feet, from North or South section line: FNL and 812 feet, from East or West section line: FWL
Latitude: 40.941736 Longitude: -104.387728 PDOP Reading: 2.5 Date of Measurement: 11/17/2009

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="1"/>	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="5"/>	Fuel Tanks: <input type="text" value="0"/>	

Other: 1 Emergency tank, 1 Meter Run Ambitol, 1 Lined Heater for Trace System, 1 Well Head

6. Construction:

Date planned to commence construction: 03/01/2010 Size of disturbed area during construction in acres: 4.30
Estimated date that interim reclamation will begin: 05/01/2010 Size of location after interim reclamation in acres: 1.20
Estimated post-construction ground elevation: 5270 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No X
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite Onsite X Method: Land Farming Land Spreading Disposal Facility
Other: Backfill and cover

7. Surface Owner:

Name: Heirs of Robert J.Burbach Phone: 970-895-3360
Address: 35744 County Road 130 Fax:
Address: Email:
City: Grover State: CO Zip: 80729 Date of Rule 306 surface owner consultation: 12/01/2009
Surface Owner: X Fee State Federal Indian
Mineral Owner: X Fee State Federal Indian
The surface owner is: X the mineral owner X committed to an oil and gas lease
X is the executer of the oil and gas lease the applicant
The right to construct the location is granted by: X 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:

X 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 X
Distance, in feet, to nearest building: 5541 , public road: 800 , above ground utilit: 910
, railroad: 90288 , property line: 812

10. Current Land Use (Check all that apply):

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
Non-Crop Land: X 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: X 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: Ascalon fine sandy loam, 0 to 6 percent 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: Western wheatgrass, 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: 2829, water well: 864, depth to ground water: 39

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 Suppl 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:

The referenced location will be reclaimed back to the conditions as referenced on the attached photos with the cardinal directions southerly and easterly of the proposed well site. No improvements were identified within 400 feet for the proposed well site.

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

Signed: _____ Date: 01/28/2010 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.

David S. Neshin

COGCC Approved: _____

Director of COGCC

Date: 4/21/2010

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 at this location will be drilled using a closed loop system

A Sharp Tail Grouse Survey will be conducted to determine if grouse are present in the area for the 2010 calendar year

A wildlife exclusionary fence will be installed around the closed loop system

If a survey identifies an active lek within the 0.4 mile buffer area, the referenced well will be moved 100' to the SE outside of the identified core area, with construction and drilling operations to be conducted in the period between June 15 and March 1. After drilling and completion activities are completed, routine maintenance operations will be restricted as much as possible during the sharp-tailed grouse breeding season from March 1 through June 1 to the hours of 9 a.m. to 4 p.m. If a 2010 survey shows that grouse are not present, construction and drilling may proceed with no timing restriction. The survey will be performed by CDOW or a third party consultant familiar with grouse surveys. A survey will be performed in 2 subsequent years to determine the presence of grouse. If grouse recolonize the lek, routine maintenance operations will be restricted as much as possible during the sharp-tailed grouse breeding season from March 1 through June 1 to the hours of 9 a.m. to 4 p.m. Alternatively, EOG may elect to not perform a survey in subsequent years, but maintenance operations will be limited to 9 a.m. to 4 p.m. for the period of March 1 through June 1, with the presumption that grouse are present

Attachment Check List

Att Doc Num	Name	Doc Description
1784976	SURFACE OWNER CONSENT	LF@2455541 1784976
1784977	CORRESPONDENCE	LF@2455538 1784977
1784978	CORRESPONDENCE	LF@2455539 1784978
1784979	SURFACE OWNER CONSENT	LF@2455547 1784979
1784980	LOCATION DRAWING	LF@2455591 1784980
400028311	HYDROLOGY MAP	LF@2220171 400028311
400028316	OTHER	LF@2220172 400028316
400033603	LOCATION PICTURES	LF@2220173 400033603
400033604	CONST. LAYOUT DRAWINGS	LF@2220174 400033604
400033605	ACCESS ROAD MAP	LF@2220175 400033605
400033606	REFERENCE AREA MAP	LF@2220176 400033606
400033607	REFERENCE AREA PICTURES	LF@2220177 400033607
400033608	NRCS MAP UNIT DESC	LF@2220178 400033608
400033609	PROPOSED BMPs	LF@2220179 400033609
400033610	FORM 2A SUBMITTED	LF@2220542 400033610

Total Attach: 15 Files