

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:

400119811

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:

421227

Expiration Date:

01/20/2014
☒ 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: Jennifer Yu

Phone: (303) 824-5576

Fax: (303) 824-5577

email: jennifer_yu@eogresources.com

4. Location Identification:

Name: Coalmont Number: 03-13H

County: JACKSON

QuarterQuarter: SWSW Section: 13 Township: 7N Range: 81W Meridian: 6 Ground Elevation: 8275

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: 329 feet FSL, from North or South section line, and 620 feet FWL, from East or West section line.

Latitude: 40.571353 Longitude: -106.441983 PDOP Reading: 1.8 Date of Measurement: 12/27/2010

Instrument Operator's Name: Robert L. Kay

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

| | | | | |
|--|---|--|---|--|
| Special Purpose Pits: <input type="text" value="0"/> | 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="2"/> | 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="1"/> |
| 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, Ambitrol, 2 Lined Heaters for Trace System, 1 Wellhead

6. Construction:

Date planned to commence construction: 06/15/2011 Size of disturbed area during construction in acres: 4.00
Estimated date that interim reclamation will begin: 11/01/2011 Size of location after interim reclamation in acres: 1.10
Estimated post-construction ground elevation: 8275 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 & cover

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 12/20/2010
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: 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: 2052, public road: 1310, above ground utilit: 2052
, railroad: 5280, property line: 329

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: Cf - Coalmonot-Fluetsch complex

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: Sagebrush. Muttongrass. Winterfat

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: 1429, water well: 2131, depth to ground water: 96

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:

Flare stack will be removed after a gas line is installed. One of the two heater treaters will be removed when production volume falls below the capacity of a single heater treater. Depth to ground water determined from Water Well Permit #207154, approximately 2,242' to the northwest. The nearest water well is Water Well Permit #181911-A, approximately 2,131' to the southwest. The closed loop system utilized to drill the referenced well is a semi closed loop system. Drilling mud and cuttings will be remediated prior to burial onsite. Reference area map and photos will be submitted within 12 months of filling of this Form 2A.

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

Signed: _____ Date: 12/30/2010 Email: jennifer_yu@eogresources.com

Print Name: Jennifer Yu Title: Regulatory Administrator

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: 1/21/2011

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.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

Reserve pit must be lined or a closed loop system (which Entek has indicated on the Form 2A) must be

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water.

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Attachment Check List

| Att Doc Num | Name |
|-------------|--------------------|
| 2033573 | CORRESPONDENCE |
| 400119811 | FORM 2A SUBMITTED |
| 400119859 | ACCESS ROAD MAP |
| 400119860 | LOCATION DRAWING |
| 400119861 | LOCATION PICTURES |
| 400119862 | NRCS MAP UNIT DESC |
| 400119863 | HYDROLOGY MAP |

Total Attach: 7 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|--|----------------------------|
| DOW | CDOW has pre-consulted with the operator and representative for the landowner. All parties have agreed upon considerations for the protection of wildlife. CDOW affirms that the submitted wildlife BMP's by the operator, as well as the conditions of the surface use agreement, to be conditions of approval for this location. Submitted by: Ed Winters, Land Use Specialist 3 January 2011 @ 10:00 | 1/3/2011 10:03:07 AM |
| OGLA | Initiated/Completed OGLA Form 2A review on 01-01-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, and cuttings low moisture content COAs from operator on 01-01-11; received acknowledgement of COAs from operator on 01-06-10; passed by CDOW on 01-3-11 with operator submitted BMPs (with permit application) and SUA acceptable; passed OGLA Form 2A review on 01-20-11 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, and cuttings low moisture content COAs. | 1/1/2011 2:06:18 PM |

Total: 2 comment(s)

BMP

| <u>Type</u> | <u>Comment</u> |
|-------------|--|
| Wildlife | <ol style="list-style-type: none">1. In consideration to the Greater Sage Grouse, EOG will begin construction/drilling activities after June 15.2. EOG will utilized a semi closed loop system to drill the referenced well. In the event there is standing water, it will be treated for mosquito abatement.3. EOG will use a seed mixture approved by the landowner. |

Total: 1 comment(s)