

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:

400076009

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:

418967

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: 27742

Name: EOG RESOURCES INC

Address: 600 17TH ST STE 1100N

City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Nanette Lupcho

Phone: (435) 781-9157

Fax: (435) 789-7633

email: nanette_lupcho@eogresources.com

4. Location Identification:

Name: Critter Creek Number: 11-07H

County: WELD

QuarterQuarter: SESE Section: 7 Township: 11N Range: 63W Meridian: 6 Ground Elevation: 5345

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: 501 feet, from North or South section line: FSL and 501 feet, from East or West section line: FEL

Latitude: 40.930956 Longitude: -104.468183 PDOP Reading: 2.1 Date of Measurement: 05/16/2010

Instrument Operator's Name: UINTAH ENGINEERING & LAND SURVEYING

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="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 Heater Treater for trace system, 1 Well Head Special Purpose Pit is the flare pit.

6. Construction:

Date planned to commence construction: 12/10/2010 Size of disturbed area during construction in acres: 3.90
Estimated date that interim reclamation will begin: 04/01/2011 Size of location after interim reclamation in acres: 1.60
Estimated post-construction ground elevation: 5345 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: Back fill and cover

7. Surface Owner:

Name: Paul Timm Phone: 970-895-2482
Address: 29451 CR 130 Fax: _____
Address: _____ Email: _____
City: Grover State: CO Zip: 80729 Date of Rule 306 surface owner consultation: 04/26/2010
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: 6072, public road: 5280, above ground utilit: 5823
, railroad: 5280, property line: 501

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: Stoneham fine sandy loam, 6 to 9 percent slopes

NRCS Map Unit Name: Nunn loam, 0 to 6 percent slopes

NRCS Map Unit Name: Ascalon fine sandy loam, 6 to 9 percent slopes

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, Sand dropseed, 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: 471, water well: 2700, depth to ground water: 49

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 volumes fall below the capacity of a single heater treater. Depth to ground water determined from water well permit #22575 (North). Referenced area photos will be provided within 12 months of APD submission.

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

Signed: _____ Date: 08/03/2010 Email: nanette_lupcho@eogresources.com

Print Name: Nanette Lupcho 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. 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 site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the ephemeral stream located 400 feet to the South east of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.

Attachment Check List

| Att Doc Num | Name | Doc Description |
|-------------|--------------------|----------------------|
| 400076009 | FORM 2A SUBMITTED | LF@2517178 400076009 |
| 400081637 | NRCS MAP UNIT DESC | LF@2517179 400081637 |
| 400081638 | ACCESS ROAD MAP | LF@2517180 400081638 |
| 400081639 | OTHER | LF@2517181 400081639 |
| 400081640 | LOCATION DRAWING | LF@2517182 400081640 |
| 400081642 | HYDROLOGY MAP | LF@2517183 400081642 |

Total Attach: 6 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| OGLA | RTP | 8/16/2010 9:34:02 AM |
| OGLA | I sent an email to N. Lupcho informing her the OGLA will be adding the following COAs to the form: •Operator must implement best management practices including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures sufficiently protective of the ephemeral stream to the south-East to contain any unintentional release of drilling, completion, or produced fluids. •Best management practices shall be in place during construction to ensure that fluid and/or sediment from the location does not enter the ephemeral stream to the south-East | 8/16/2010 9:32:11 AM |
| Permit | related form 2 should be 400075920 -passed | 8/4/2010 1:36:02 PM |

Total: 3 comment(s)

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