

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400084908

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:

420074

Expiration Date:

10/27/2013☒ 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: Jennifer Yu

Phone: (303) 824-5576

Fax: (303) 824-5577

email: jennifer_yu@eogresources.com

4. Location Identification:

Name: Garden Creek Number: 26-35H

County: WELD

Quarter: SESE Section: 35 Township: 11N Range: 62W Meridian: 6 Ground Elevation: 5092

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: 40.873150 Longitude: -104.279042 PDOP Reading: 2.5 Date of Measurement: 05/06/2010

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: <u>1</u>	Drilling Pits: <u>1</u>	Wells: <u>1</u>	Production Pits: <u>0</u>	Dehydrator Units: <u>0</u>
Condensate Tanks: <u>0</u>	Water Tanks: <u>2</u>	Separators: <u>2</u>	Electric Motors: <u>0</u>	Multi-Well Pits: <u>0</u>
Gas or Diesel Motors: <u>0</u>	Cavity Pumps: <u>2</u>	LACT Unit: <u>1</u>	Pump Jacks: <u>1</u>	Pigging Station: <u>0</u>
Electric Generators: <u>1</u>	Gas Pipeline: <u>1</u>	Oil Pipeline: <u>1</u>	Water Pipeline: <u>0</u>	Flare: <u>1</u>
Gas Compressors: <u>0</u>	VOC Combustor: <u>1</u>	Oil Tanks: <u>5</u>	Fuel Tanks: <u>0</u>	

Other: 1 Emergency Tank, 1 Meter Run, Ambitrol, 2 Lined Heater Treaters for Traced System, 1 Wellhead, Special Purpose Pit is a Flare Pit.

6. Construction:

Date planned to commence construction: 10/04/2010 Size of disturbed area during construction in acres: 3.29
Estimated date that interim reclamation will begin: 03/31/2011 Size of location after interim reclamation in acres: 1.60
Estimated post-construction ground elevation: 5092 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: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 04/22/2010
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: 3861, public road: 502, above ground utilit: 5280
, 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: Vona sandy loam, 3 to 9 percent slopes

NRCS Map Unit Name: Olney fine sandy loam, 0 to 6 percent slopes

NRCS Map Unit Name: Renohill-Shingle complex, 3 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: Little bluestem, Sand sagebrush, Western wheatgrass, Sideoats grama, Sand dropseed, 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: 795, water well: 2560, depth to ground water: 8

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 fall below the capacity of a single heater treater. Depth to ground water determined from Water Well Permit # 191831 to the west. The referenced location is located in the Upper Crow Creek Basin. The reference area is on undisturbed ground immediately adjacent to the south of the location as shown in the "south" location photograph.

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

Signed: _____ Date: 08/19/2010 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: 10/28/2010

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.

Location is in a sensitive area because of shallow groundwater; therefore, either a lined drilling pit or closed loop system is required.

Attachment Check List

Att Doc Num	Name	Doc Description
1641948	CORRESPONDENCE	LF@2527750 1641948
400084908	FORM 2A SUBMITTED	LF@2527485 400084908
400084909	LOCATION PICTURES	LF@2527486 400084909
400084910	LOCATION DRAWING	LF@2527487 400084910
400084911	OTHER	LF@2527488 400084911
400084912	ACCESS ROAD MAP	LF@2527489 400084912
400084913	HYDROLOGY MAP	LF@2527490 400084913
400084914	NRCS MAP UNIT DESC	LF@2527491 400084914

Total Attach: 8 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Order approved	10/28/2010 4:37:35 PM
Permit	waiting on October hearing for extension of cause 421-1 (640 acre spacing unit)	9/24/2010 2:57:13 PM
OGLA	Requested adding one COA, operator (J. Yu) agreed.	8/23/2010 10:19:16 AM
Permit	passed permitting 9/2/10 lwc	

Total: 4 comment(s)

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