

**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



DE ET OE ES

Document Number:

400029085

**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:

Expiration Date:

☒ 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: Nick Mathis

Phone: (303) 262-2894

Fax: (303) 262-2895

email: Nick\_Mathis@eogresources.com

**4. Location**

## Identification:

Name: Critter Creek Number: 08-14H

County: WELD

QuarterQuarter: SESE Section: 14 Township: 11N Range: 63W Meridian: 6 Ground Elevation: 5214

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: 600 feet, from North or South section line: FSL and 600 feet, from East or West section line: FEL

Latitude: 40.916886 Longitude: -104.392964 PDOP Reading: 1.3 Date of Measurement: 12/16/2009

**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>1</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>0</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, 1 lined Heater for Trace System, 1 Well Head

## 6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 3.70  
Estimated date that interim reclamation will begin: 02/01/2011 Size of location after interim reclamation in acres: 3.00  
Estimated post-construction ground elevation: 5213 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: Kenyon Ayares Phone: 970-895-3227  
Address: 63546 WCR 67 Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Grover State: CO Zip: 80729 Date of Rule 306 surface owner consultation: 12/08/2009  
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 Mgmt. Surety ID: \_\_\_\_\_

## 9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒  
Distance, in feet, to nearest building: 6623, public road: 4701, above ground utilit: 2752  
, railroad: 98, property line: 600

## 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: Ascalon fine sandy loam, 0 to 6 percent slopes

NRCS Map Unit Name: Paoli 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, Needleandthread, Sideoats grama, Prairie sandreed, Fourwing saltbush,  
Green needlegrass, Switchgrass, 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: 980, water well: 2440, depth to ground water: 110

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 shown on the attached photos with the cardinal directions northerly and easterly of the proposed well site. No improvements were identified within 400' of 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: 01/19/2010 Email: Nick\_Mathis@eogresources.com

Print Name: Nick Mathis Title: Regulatory Specialist

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: \_\_\_\_\_

**Attachment Check List**

| Att Doc Num | Name                    | Doc Description                                     |
|-------------|-------------------------|---|
| 400029509   | DRILLING PLAN           | Critter Creek 8-14H_APD Drilling Plan.pdf           |
| 400029510   | DEVIATED DRILLING PLAN  | Critter Creek 8-14H_APD directional plan.pdf        |
| 400029511   | DEVIATED DRILLING PLAN  | Critter Creek 8-14H_APD directional report.pdf      |
| 400029546   | NRCS MAP UNIT DESC      | Soil Report 1.pdf                                   |
| 400029547   | NRCS MAP UNIT DESC      | Soil Report 2[1].pdf                                |
| 400029548   | NRCS MAP UNIT DESC      | Plant Composition 1[1].pdf                          |
| 400029549   | NRCS MAP UNIT DESC      | Plant Composition 2[1].pdf                          |
| 400029803   | ACCESS ROAD MAP         | Critter Creek 8-14H Access Road Map.pdf             |
| 400029805   | CONST. LAYOUT DRAWINGS  | Critter Creek 8-14H Construction Layot Drawings.pdf |
| 400029806   | LOCATION PICTURES       | Critter Creek 8-14H Location Photos.pdf             |
| 400029807   | REFERENCE AREA PICTURES | Critter Creek 8-14H Reference Area Photos.pdf       |
| 400029808   | REFERENCE AREA MAP      | Critter Creek 8-14H Reference Map.pdf               |
| 400029809   | TOPO MAP                | Critter Creek 8-14H Topo Map.pdf                    |
| 400029816   | WELL LOCATION PLAT      | Critter Creek 8-14H Well Location Plat.pdf          |
| 400030039   | LOCATION DRAWING        | Critter Creek 8-14H Location Drawing.pdf            |
| 400030050   | REFERENCE AREA MAP      | Critter Creek 8-14H 3 Mile Radius Reference Map.pdf |
| 400030051   | FORM 2A SUBMITTED       | 400030051.pdf                                       |
| 400035188   | HYDROLOGY MAP           | Critter Creek 08-14H Hydrology Map.pdf              |

Total Attach: 18 Files