

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:  
400065594

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: Jennifer Yu  
Phone: (303) 824-5576  
Fax: (303) 824-5577  
email: jennifer\_yu@eogresources.com

4. Location  
Identification:

Name: Critter Creek Number: 3-04H  
County: WELD  
Quarter: NWNW Section: 4 Township: 11N Range: 63W Meridian: 6 Ground Elevation: 5381

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: 300 feet, from North or South section line: FNL and 300 feet, from East or West section line: FWL  
Latitude: 40.957836 Longitude: -104.446381 PDOP Reading: 1.8 Date of Measurement: 12/01/2009

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

Special Purpose Pits:  Drilling Pits:  Wells:  Production Pits:  Dehydrator Units:   
Condensate Tanks:  Water Tanks:  Separators:  Electric Motors:  Multi-Well Pits:   
Gas or Diesel Motors:  Cavity Pumps:  LACT Unit:  Pump Jacks:  Pigging Station:   
Electric Generators:  Gas Pipeline:  Oil Pipeline:  Water Pipeline:  Flare:   
Gas Compressors:  VOC Combustor:  Oil Tanks:  Fuel Tanks:

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

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 3.79  
Estimated date that interim reclamation will begin: 04/01/2011 Size of location after interim reclamation in acres: 1.25  
Estimated post-construction ground elevation: 5381 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: Meader Ranch, Inc. Phone: 970-895-3357  
Address: 65009 CR 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 20030058

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: 5730, public road: 7050, above ground utilit: 5122  
, railroad: 91344, property line: 300

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: Ascalon fine sandy loam, 0 to 6 percent slopes  
NRCS Map Unit Name: Ascalon fine sandy loam, 6 to 9 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, needle and threadgrass, 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: 1880, water well: 2597, 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 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:

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 (southwest). All other water wells closer to the proposed location do not show static water level on permits. Reference area located adjacent to and west of the location.

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

Signed: \_\_\_\_\_ Date: \_\_\_\_\_ Email: jennifer\_yu@eogresources.com

Print Name: Jennifer Yu Title: Lead 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.

COGCC Approved: \_\_\_\_\_ Director of COGCC Date: \_\_\_\_\_

**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.**

**Attachment Check List**

Att Doc Num	Name	Doc Description
400076329	NRCS MAP UNIT DESC	NCRS Rpts.pdf
400076331	LOCATION PICTURES	Critter Creek 03-04H Loc Photos.pdf
400076332	LOCATION DRAWING	Critter Creek 03-04H Loc Drawing.pdf
400076333	OTHER	Critter Creek 03-04H Facilities.pdf
400076334	ACCESS ROAD MAP	Critter Creek 03-04H Access Road.pdf
400076340	HYDROLOGY MAP	Critter Creek 3-04H Hydrology Map.pdf

Total Attach: 6 Files