

FORM  
2A

Rev  
04/01

State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



Document Number:

400365694

Date Received:

01/07/2013

Oil and Gas Location Assessment

New Location  Amend Existing Location Location#: 413908

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 standalone 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:

**413908**

Expiration Date:

**02/07/2016**

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: Mickenzie Gates  
 Phone: (435) 781-9145  
 Fax: (435) 79-7633  
 email: mickenzie\_gates@eogresources.com

4. Location Identification:

Name: Hebron Number: 3-12H  
 County: JACKSON  
 Quarter: NENE Section: 12 Township: 7N Range: 81W Meridian: 6 Ground Elevation: 8133

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: 1007 feet FNL, from North or South section line, and 324 feet FEL, from East or West section line.  
 Latitude: 40.596919 Longitude: -106.426358 PDOP Reading: 1.0 Date of Measurement: 11/25/2008  
 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="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="2"/>	Separators: <input type="text" value="2"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="text" value="2"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="text" value="1"/>	Pigging Station: <input type="checkbox"/>
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="checkbox"/>	Flare: <input type="text" value="1"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="5"/>	Fuel Tanks: <input type="checkbox"/>	

Other: 2 Emergency Tanks, 1 Meter Run, 2 Lined Heater Treaters for Traced System, 1 Well Head, 1 Cuttings Trench

6. Construction:

Date planned to commence construction: 06/03/2013 Size of disturbed area during construction in acres: 3.98  
 Estimated date that interim reclamation will begin: 10/14/2013 Size of location after interim reclamation in acres: 1.10  
 Estimated post-construction ground elevation: 8131 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: \_\_\_\_\_

**7. Surface Owner:**

Name: \_\_\_\_\_ Phone: \_\_\_\_\_  
 Address: \_\_\_\_\_ Fax: \_\_\_\_\_  
 Address: \_\_\_\_\_ Email: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ Date of Rule 306 surface owner consultation: 07/02/2010

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: 416, public road: 2805, above ground utility: 1286,  
 railroad: 119856, property line: 315

**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: Wa - Walden sandy loam

NRCS Map Unit Name: Gn - Girardot silty clay loam

NRCS Map Unit Name: Bs - Bosler sandy loam

### 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: Nebraska sedge, Willow, Baltic rush, Common cowparsnip, Big sagebrush, Multongrass, Blue grama

Check all plant communities that exist in the disturbed area.

- Disturbed Grassland (Cactus, Yucca, Cheatgrass, Rye)
- Native Grassland (Bluestem, 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: 166, water well: 3071, depth to ground water: 2

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:

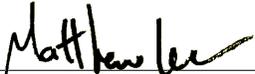
Flare stack will be removed after gas line installation. One of the heater treaters will be removed when production volumes fall below the capacity of a single heater treater. Static water well information obtained from Water Well Permit #242234 to the northeast. This water well is also the nearest water well to the proposed well. Facilities and disposal method have been updated. This amended Form 2A is being submitted as a file of the expiring 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: 01/07/2013 Email: mickenzie\_gates@eogresources.com

Print Name: Mickenzie Gates 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: 2/8/2013

**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.

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**Attachment Check List**

Att Doc Num	Name
400365694	FORM 2A SUBMITTED

Total Attach: 1 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review complete.	2/5/2013 11:57:47 AM
DOW	CPW originally commented on this location in December of 2010, and has no new comments at this time. However, CPW would like to point out that this location is within greater sage-grouse production area, Preliminary Priority Habitat for greater sage-grouse (as defined by the BLM), and 2.62 miles from an active greater sage-grouse lek (known as "Coalmont"). Jacob Davidson, 1-31-2013, 13:44	1/31/2013 1:44:08 PM
Permit	Original 2A was permitted with two wells. Both APD's have expired. Opr states that they will be resubmitting the Marr 4-12HZ permit in the future. Ready to pass pending public comment 1/29/13.	1/11/2013 2:43:12 PM
OGLA	Initiated/Completed OGLA Form 2A review on 01-10-13 by Dave Kubeczko; previously submitted and approved (01-16-11) Form 2A#400117989; OGCC Facility ID#413908; same COAs apply, fluid containment, spill/release BMPs, cuttings low moisture content, and lined pit/closed loop COAs; passed by CPW on 01-31-13 with previous SUA acceptable; passed OGLA Form 2A review on 02-04-13 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture content, and lined pit/closed loop COAs.	1/10/2013 4:01:56 PM
Permit	Operator made corrections. Ready to pass completeness.	1/8/2013 4:14:50 PM
Permit	Returned to draft. Missing well surety ID, line 3	1/8/2013 3:35:24 PM

Total: 6 comment(s)

**BMP**

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)