

**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:

400006702

**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 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:

**421652**

Expiration Date:

**02/17/2014**☒ 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: 100185

Name: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

**3. Contact Information**

Name: Jevin Croteau

Phone: (720) 876-5339

Fax: (720) 876-6339

email: jevin.croteau@encana.com

**4. Location Identification:**

Name: Federal Number: 28-11 (PL28SW)

County: MESA

QuarterQuarter: NESW Section: 28 Township: 9S Range: 96W Meridian: 6 Ground Elevation: 6089

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: 1550 feet FSL, from North or South section line, and 1875 feet FWL, from East or West section line.

Latitude: 39.243290 Longitude: -108.112170 PDOP Reading: 0.0 Date of Measurement: 07/09/2009

Instrument Operator's Name: Ted Taggart

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

Special Purpose Pits: <u>0</u>	Drilling Pits: <u>0</u>	Wells: <u>1</u>	Production Pits: <u>0</u>	Dehydrator Units: <u>1</u>
Condensate Tanks: <u>4</u>	Water Tanks: <u>0</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>0</u>	LACT Unit: <u>0</u>	Pump Jacks: <u>0</u>	Pigging Station: <u>1</u>
Electric Generators: <u>0</u>	Gas Pipeline: <u>1</u>	Oil Pipeline: <u>0</u>	Water Pipeline: <u>1</u>	Flare: <u>0</u>
Gas Compressors: <u>1</u>	VOC Combustor: <u>0</u>	Oil Tanks: <u>0</u>	Fuel Tanks: <u>0</u>	

Other: The Federal 28-11 (PL28SW) well and facilities listed above are planned for this location.

## 6. Construction:

Date planned to commence construction: 03/01/2011 Size of disturbed area during construction in acres: 5.34  
Estimated date that interim reclamation will begin: 08/01/2011 Size of location after interim reclamation in acres: 1.00  
Estimated post-construction ground elevation: 6085 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: BLM Phone: 970-244-3000  
Address: 2815 H. Road Fax: \_\_\_\_\_  
Address: \_\_\_\_\_ Email: \_\_\_\_\_  
City: Grand Junction State: CO Zip: 81506 Date of Rule 306 surface owner consultation: \_\_\_\_\_  
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: \_\_\_\_\_ ☐ 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: 2900, public road: 1220, above ground utilit: 1000  
, railroad: 31680, property line: 1700

## 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: 3 - Barx loam, 3 to 12 percent slopes

NRCS Map Unit Name: \_\_\_\_\_

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, WY big sagebrush, Bottlebrush squirreltail, Indian ricegrass, Needleandthread, Prairie Junegrass, Sandberg bluegrass and other perennial forbs and shrubs.

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: 850, water well: 9380, depth to ground water: 151

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:

Accoding to the CO DWR website the nearest water well , permit #48469-MH, is located 9380' away and has an unknown completion status. The nearest domestic water well, permit #80596-A is located 10032' away and has a static water level of 151'. The reference area for this location will be adjacent to the East side of the pad.

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

Signed: \_\_\_\_\_ Date: 12/27/2010 Email: jevin.croteau@encana.com

Print Name: Jevin Croteau Title: Regulatory Analyst

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: 2/18/2011

**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 best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary surface pipelines.

Operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations; including, but not limited to, construction of a berm or diversion dike, diversion/collection trenches within and/or outside of berms/dikes, site grading, or other comparable measures sufficiently protective of nearby surface water.

The moisture content of any drill cuttings in a cuttings pit, trench, or pile shall be as low as practicable to prevent accumulation of liquids greater than de minimis amounts. At the time of closure, the drill cuttings must also meet the applicable standards of table 910-1.

**Attachment Check List**

Att Doc Num	Name
2033595	CORRESPONDENCE
400006702	FORM 2A SUBMITTED
400079069	PROPOSED BMPs
400079083	LOCATION PICTURES
400079086	ACCESS ROAD MAP
400119101	HYDROLOGY MAP A, TOPO
400119102	NRCS MAP UNIT DESC
400119107	LOCATION DRAWING
400119108	CONST. LAYOUT DRAWINGS

Total Attach: 9 Files

**General Comments**

User Group	Comment	Comment Date
DOW	The BMPs as submitted by the operator are applicable. Additionally, the CDOW affirms that the lease stipulations and conditions of approval assigned to this permit by the BLM suffice to address wildlife habitat and mitigation concerns.  by Michael Warren on Friday, February 18, 2011 at 8:10 A.M.	2/18/2011 8:10:50 AM
OGLA	Initiated/Completed OGLA Form 2A review on 01-20-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, and cuttings low moisture content COAs from operator on 01-20-11; received acknowledgement of COAs from operator on 01-20-10; passed by CDOW on 02-18-11 with operator submitted BMPs (with permit application) and BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 02-18-11 by Dave Kubeczko; fluid containment, spill/release BMPs, and cuttings low moisture content COAs.	1/20/2011 10:05:50 AM

Total: 2 comment(s)

**BMP**

Type	Comment

Total: 0 comment(s)

