

**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:

400083420

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 323792

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:

323792

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: 100185

Name: ENCANA OIL & GAS (USA) INC

Address: 370 17TH ST STE 1700

City: DENVER State: CO Zip: 80202-5632

3. Contact Information

Name: Judith Walter

Phone: (720) 876-3702

Fax: (720) 876-4702

email: judith.walter@encana.com

**4. Location
Identification:**

Name: CB Fed Number: A28 6100

County: GARFIELD

QuarterQuarter: NENE Section: 28 Township: 6S Range: 100W Meridian: 6 Ground Elevation: 6654

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: 711 feet, from North or South section line: FNL and 478 feet, from East or West section line: FEL

Latitude: 39.509967 Longitude: -108.551200 PDOP Reading: 1.5 Date of Measurement: 03/02/2010

Instrument Operator's Name: Robert Kay

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

Special Purpose Pits: <input type="text" value="0"/>	Drilling Pits: <input type="text" value="0"/>	Wells: <input type="text" value="3"/>	Production Pits: <input type="text" value="1"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="6"/>	Water Tanks: <input type="text" value="6"/>	Separators: <input type="text" value="3"/>	Electric Motors: <input type="text" value="5"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="21"/>	Cavity Pumps: <input type="text" value="0"/>	LACT Unit: <input type="text" value="0"/>	Pump Jacks: <input type="text" value="0"/>	Pigging Station: <input type="text" value="0"/>
Electric Generators: <input type="text" value="3"/>	Gas Pipeline: <input type="text" value="2"/>	Oil Pipeline: <input type="text" value="0"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="2"/>
Gas Compressors: <input type="text" value="0"/>	VOC Combustor: <input type="text" value="0"/>	Oil Tanks: <input type="text" value="0"/>	Fuel Tanks: <input type="text" value="2"/>	

Other: See Item 15. Comments

6. Construction:

Date planned to commence construction: 11/01/2010 Size of disturbed area during construction in acres: 4.21
Estimated date that interim reclamation will begin: 09/01/2011 Size of location after interim reclamation in acres: 1.09
Estimated post-construction ground elevation: 6654 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: Recycle, Amend & Bury

7. Surface Owner:

Name: BLM-GJFO-Cathy Ventling Phone: 970-244-3009
Address: 2815 H Road Fax: 970-244-3083
Address: _____ Email: Catherine_Ventling@blm.gov
City: Grand Junction State: CO Zip: 81506 Date of Rule 306 surface owner consultation: 04/08/2010
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 0

8. Reclamation Financial Assurance:

☒ Well Surety ID: 0 ☐ 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: 16956, public road: 156, above ground utilit: 10567
, railroad: 115165, property line: 1117

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): Hunting
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): Hunting
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: Debeque very channery loam # 29

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: 07/28/2010

List individual species: See attached "CB Fed A28 6100 Plants 7.28.10.pdf"

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: 650, water well: 9273, depth to ground water: 3

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:

- 1) 5. Facilities Notes: Drilling: Gas or Diesel Motors: 3, Completions: Gas or Diesel Motors (max 18-min 2): frac = 18 for 2 weeks, coil tubing = 2 for 1 week, snubbing = 2 for 1 week, water=2 for 2 weeks. Temporary Fresh Water pipeline is planned for completions operations (10" diameter HDPD polyline, approx. 2.10 mile) Permanent Facilities: 1 chemical tank with pump. 2) This is an expansion to an existing pad that has the Cedar Bench Federal 6307 (05-045-06572) on it Location ID #323792, and has approximately 2.593 acres disturbed. Two new wells are planned for this pad so the pad will need to be expanded.
- 3) On-site date was April 8, 2010 with BLM, May 19, 2010 with BLM, USFWS, and WestWater Engineering.
- 4) Reference Area Map and Reference Area Photo's will be submitted within 12 months.

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

Signed: _____ Date: 08/09/2010 Email: judith.walter@encana.com

Print Name: Judith A. Walter 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.

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
400083420	FORM 2A SUBMITTED	400083420.pdf
400083423	LOCATION PICTURES	1_CB Fed A28 6100 Location Pictures.pdf
400083424	LOCATION DRAWING	2_CB Fed A28 6100 Location drawing.pdf
400083425	HYDROLOGY MAP	3_CB Fed A28 6100 Hydrology Map.pdf
400083427	ACCESS ROAD MAP	4_CB Fed A28 6100 Access Road Map.pdf
400083428	NRCS MAP UNIT DESC	5_NRCS Map Unit Description 29.pdf
400083429	CONST. LAYOUT DRAWINGS	6_CB FED DH03-21 (A28 6100) Construction Layout Drawings.pdf
400083430	MULTI-WELL PLAN	7_CB Fed A28 6100 MultiwellPlan.pdf
400083433	OTHER	10_CB Fed A28 6100 Plants 7.28.10 .pdf
400084596	PROPOSED BMPs	8_CB Fed A28 6100 Proposed BMPs.pdf

Total Attach: 10 Files

BMP

Type	Comment
Drilling/Completion Operations	See attached proposed BMP's

Total: 1 comment(s)