

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



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Document Number:

2584135

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 330969

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:

330969

Expiration Date:

10/03/2013

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.CO
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4. Location Identification:

Name: IONE Number: 2N66W/10SESE
 County: WELD
 Quarter: SESE Section: 10 Township: 2N Range: 66W Meridian: 6 Ground Elevation: 5017
 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: 467 feet, from North or South section line: FSL and 695 feet, from East or West section line: FEL
 Latitude: 40.146710 Longitude: -104.756300 PDOP Reading: 2.4 Date of Measurement: 02/04/2010
 Instrument Operator's Name: CRAIG BURKE

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: EXISTING IONE 44-10 ON LOCATION AND PLAN TO DRILL TWO ADDITIONAL WELLS, IONE 8-6-10 & IONE 6-8-10. ALL FACILITIES ARE LOCATED 890' TO THE NE AT EXISTING IONE 11.

6. Construction:

Date planned to commence construction: 06/01/2011 Size of disturbed area during construction in acres: 3.67
Estimated date that interim reclamation will begin: 08/01/2011 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: 5017 Will a closed loop system be used for drilling fluids: Yes [X]
Will salt sections be encountered during drilling: Yes [] No [X] Is H2S anticipated? Yes [] No [X]
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes [] No [X]
Mud disposal: Offsite [X] Onsite [] Method: Land Farming [] Land Spreading [X] Disposal Facility []
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 02/11/2010
Surface Owner: [X] Fee [] State [] Federal [] Indian []
Mineral Owner: [X] Fee [] State [] Federal [] Indian []
The surface owner is: [X] the mineral owner [X] committed to an oil and gas lease
[X] is the executer of the oil and gas lease [] the applicant
The right to construct the location is granted by: [X] 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:

[X] Well Surety ID: 20100017 [] Gas Facility Surety ID: _____ [] Waste Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes [] No [X]
Distance, in feet, to nearest building: 1596 , public road: 467 , above ground utilit: 4700
, railroad: 14820 , property line: 467

10. Current Land Use (Check all that apply):

Crop Land: [] Irrigated [] Dry land [] Improved Pasture [] Hay Meadow [] CRP
Non-Crop Land: [X] 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: [X] 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: 70 - VALENT SAND, 3 TO 9 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: See attached correspondence.

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: 4608, water well: 1818, depth to ground water: 9

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:

ACCORDING TO THE CO DWR THE NEAREST WATER WELL, PERMIT #190585, IS LOCATED 1818' AWAY AND HAS A STATIC WATER LEVEL OF 185'. NO ADDITIONAL DISTURBANCE IS NEEDED AT THE EXISTING BATTERY NEAR THE IONE 11 (LOCATION ID #318836) TO ACCOMMODATE THE ADDITIONAL FACILITIES NEEDED FOR THE TWO NEW WELLS PROPOSED AT THIS LOCATION. NO H2S IS ANTICIPATED. ALL DISTANCES AND THE SINGLE POINT AS A LOCATION REFERENCE FOR THIS LOCATION ARE MEASURED FROM THE PROPOSED IONE 8-6-10 WELL STAKE. The reference area is located on undisturbed ground immediately adjacent to the south of the location as shown in the attached reference area photographs.

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

Signed: _____ Date: 09/07/2010 Email: JEVIN.CROTEAU@ENCANA.COM

Print Name: JEVIN CROTEAU Title: REGULATORY

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: 10/4/2010

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
2085693	REFERENCE AREA PICTURES	LF@2588741 2085693
2085694	CORRESPONDENCE	LF@2588742 2085694
2584135	FORM 2A	LF@2537692 2584135
2584136	LOCATION PICTURES	LF@2537555 2584136
2584137	LOCATION PICTURES	LF@2537556 2584137
2584138	LOCATION DRAWING	LF@2537558 2584138
2584139	HYDROLOGY MAP	LF@2537559 2584139
2584140	ACCESS ROAD MAP	LF@2537561 2584140
2584141	NRCS MAP UNIT DESC	LF@2537693 2584141
2584142	MULTI-WELL PLAN	LF@2537562 2584142

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Changed C&F land use to rangeland, added reference area comment and photographs (attachment), changed sensitive area status to "yes" due to shallow groundwater (closed loop system will be used, no COA).	10/1/2010 12:34:21 PM

Total: 1 comment(s)

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