


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		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 25%;">DE</td> <td style="width: 25%;">ET</td> <td style="width: 25%;">OE</td> <td style="width: 25%;">ES</td> </tr> </table> <p style="text-align: center;">Document Number: 400141498</p>	DE	ET	OE	ES																					
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Oil and Gas Location Assessment			<div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> Location ID: 423081 </div> <div style="border: 1px solid black; padding: 5px;"> Expiration Date: 05/05/2014 </div>																									
<input checked="" type="checkbox"/> New Location <input type="checkbox"/> Amend Existing Location Location#: _____																												
<p>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.</p>																												
<input checked="" type="checkbox"/> This location assessment is included as part of a permit application.																												
1. CONSULTATION <input type="checkbox"/> This location is included in a Comprehensive Drilling Plan. CDP # _____ <input checked="" type="checkbox"/> This location is in a sensitive wildlife habitat area. <input type="checkbox"/> This location is in a wildlife restricted surface occupancy area. <input type="checkbox"/> This location includes a Rule 306.d.(1)A.ii. variance request.																												
2. Operator Operator Number: <u>100185</u> Name: <u>ENCANA OIL & GAS (USA) INC</u> Address: <u>370 17TH ST STE 1700</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202-5632</u>		3. Contact Information Name: <u>Jevin Croteau</u> Phone: <u>(720) 876-5339</u> Fax: <u>(720) 876-6339</u> email: <u>jevin.croteau@encana.com</u>																										
4. Location Identification: Name: <u>Federal</u> Number: <u>PE-25</u> County: <u>GARFIELD</u> QuarterQuarter: <u>SWNW</u> Section: <u>25</u> Township: <u>7S</u> Range: <u>96W</u> Meridian: <u>6</u> Ground Elevation: <u>5396</u> 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: <u>2015</u> feet <u>FNL</u> , from North or South section line, and <u>25</u> feet <u>FWL</u> , from East or West section line. Latitude: <u>39.409940</u> Longitude: <u>-108.067290</u> PDOP Reading: <u>0.0</u> Date of Measurement: <u>06/15/2005</u> Instrument Operator's Name: <u>Ted Taggart</u>																												
5. Facilities (Indicate the number of each type of oil and gas facility planned on location): <table style="width: 100%;"> <tr> <td>Special Purpose Pits: <input type="text"/></td> <td>Drilling Pits: <input type="text"/></td> <td>Wells: <input type="text" value="8"/></td> <td>Production Pits: <input type="text"/></td> <td>Dehydrator Units: <input type="text"/></td> </tr> <tr> <td>Condensate Tanks: <input type="text" value="4"/></td> <td>Water Tanks: <input type="text"/></td> <td>Separators: <input type="text" value="8"/></td> <td>Electric Motors: <input type="text"/></td> <td>Multi-Well Pits: <input type="text"/></td> </tr> <tr> <td>Gas or Diesel Motors: <input type="text"/></td> <td>Cavity Pumps: <input type="text"/></td> <td>LACT Unit: <input type="text"/></td> <td>Pump Jacks: <input type="text"/></td> <td>Pigging Station: <input type="text" value="1"/></td> </tr> <tr> <td>Electric Generators: <input type="text"/></td> <td>Gas Pipeline: <input type="text" value="1"/></td> <td>Oil Pipeline: <input type="text"/></td> <td>Water Pipeline: <input type="text" value="1"/></td> <td>Flare: <input type="text"/></td> </tr> <tr> <td>Gas Compressors: <input type="text"/></td> <td>VOC Combustor: <input type="text"/></td> <td>Oil Tanks: <input type="text"/></td> <td>Fuel Tanks: <input type="text"/></td> <td></td> </tr> </table> Other: <u>Plan to drill 8 wells, the Federal 25-4A, 25-4B, 25-4C, 25-4D, 25-5A, 25-5B, 25-5C & 25-5D and the additional facilities listed above to this location.</u>				Special Purpose Pits: <input type="text"/>	Drilling Pits: <input type="text"/>	Wells: <input type="text" value="8"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>	Condensate Tanks: <input type="text" value="4"/>	Water Tanks: <input type="text"/>	Separators: <input type="text" value="8"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>	Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text" value="1"/>	Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text"/>	Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text"/>	
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6. Construction:

Date planned to commence construction: 10/01/2011 Size of disturbed area during construction in acres: 5.48
 Estimated date that interim reclamation will begin: 06/01/2012 Size of location after interim reclamation in acres: 1.30
 Estimated post-construction ground elevation: 5388 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: 970-876-9000
 Address: 2300 River Frontage Road Fax: _____
 Address: _____ Email: _____
 City: Silt State: CO Zip: 81653 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: 3135, public road: 1535, above ground utilit: 1760
 , railroad: 5180, property line: 625

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: 58 - Potts - Ildefonso complex, 12 to 25 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, Neeleandthread, Big sagebrush, Bluebunch wheatgrass, Indian ricegrass, Bottlebrush squirreltail, Truckee rabbitbrush.

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: 1156, water well: 2400, depth to ground water: 143

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:

According to the CO DWR web site the nearest water well, permit #234736, is located 2400' to the southwest and has a static water level of 23'. All distances and the single point as a location reference for this location are measured from the proposed Federal 25-4b well stake. The reference area for this location will be adjacent to the east.

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

Signed: _____ Date: 03/17/2011 Email: jevin.croteau@encana.com

Print Name: Jevin Croteau Title: Regulatory Analyst

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: _____

David S. Neslin

Director of COGCC

Date: 5/6/2011

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.

GENERAL SITE COAs:

Operator must implement best management practices to contain any unintentional release of fluids, including any fluids conveyed via temporary/permanent surface pipelines.

Operator must ensure 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 (i.e., best management practices (BMPs) associated with stormwater management) sufficiently protective of nearby surface water. Any berm constructed at the well pad location will be stabilized, inspected at regular intervals (at least every 14 days), and maintained in good condition.

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. If the drill cuttings are to be left onsite, at the time of closure, they must also meet the applicable standards of table 910-1.

Flowback and stimulation fluids must be sent to tanks to allow the sand to settle out before the fluids can be placed into any pipeline or pit located on the well pad. The flowback and stimulation fluid tanks must be placed on the well pad in an area with additional downgradient perimeter berming. The area where flowback fluids will be stored/reused must be constructed to be sufficiently impervious to contain any spilled or released material (per Rule 604.a.(4)).

Berms or other containment devices shall be constructed in compliance with Rule 604.a.(4) around crude oil, condensate, and produced water storage tanks.

Attachment Check List

Att Doc Num	Name
2033688	CORRESPONDENCE
400141498	FORM 2A SUBMITTED
400141522	LOCATION PICTURES
400141523	LOCATION DRAWING
400141524	HYDROLOGY MAP
400141525	NRCS MAP UNIT DESC
400141526	CONST. LAYOUT DRAWINGS
400141528	MULTI-WELL PLAN
400146583	ACCESS ROAD MAP

Total Attach: 9 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
DOW	<p>This well pad is located in COGCC mapped SWHA for Elk Winter Concentration and Mule Deer Critical Winter Range.</p> <p>The CDOW affirms that the lease stipulations and conditions of approval assigned to the permit by BLM suffice to address</p> <p>habitat and mitigation concerns.</p> <p>by Michael Warrenon Monday, May 2, 2011 at 8:40 A.M.</p>	5/2/2011 8:39:23 AM
OGLA	<p>Initiated/Completed OGLA Form 2A review on 04-11-11 by Dave Kubeczko; requested acknowledgement of fluid containment, spill/release BMPs, flowback to tanks, tank berming, and cuttings low moisture content COAs from operator on 04-11-11; received clarifications and acknowledgement of COAs from operator on 04-12-11; passed by CDOW on 05-02-11 with operator submitted BMPs (with permit application) acceptable; passed OGLA Form 2A review on 05-06-11 by Dave Kubeczko; fluid containment, spill/release BMPs, flowback to tanks, tank berming, and cuttings low moisture content COAs.</p>	4/11/2011 3:27:39 PM
Permit	Opr removed BMP's. sf	3/22/2011 12:49:02 PM
Permit	Back to draft for BMP's to be loaded into the tab. sf	3/18/2011 9:40:10 AM

Total: 4 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Wildlife	<p>All wildlife stipulations and best management practices that apply, are applicable and that have been agreed to with the BLM and are presented in our approved South Parachute Geographic Area Plan for Oil and Gas Development (EA#COC140-2006-050) will be followed.</p>

Total: 1 comment(s)