

**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:

400075903

Oil and Gas Location Assessment☐ New Location ☒ Amend Existing Location Location#: 383216

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:

383216

Expiration Date:

09/19/2013☒ 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: Julia Carter

Phone: (720) 876.5240

Fax: (720) 876.6240

email: Julia.Carter@encana.com

4. Location Identification:

Name: Kimball Mtn Number: B07 799

County: GARFIELD

Quarter: NWNE Section: 7 Township: 7S Range: 99W Meridian: 6 Ground Elevation: 6649

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: 101 feet, from North or South section line: FNL and 1893 feet, from East or West section line: FEL

Latitude: 39.467803 Longitude: -108.482083 PDOP Reading: 1.9 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: <u>0</u>	Drilling Pits: <u>0</u>	Wells: <u>2</u>	Production Pits: <u>1</u>	Dehydrator Units: <u>2</u>
Condensate Tanks: <u>4</u>	Water Tanks: <u>4</u>	Separators: <u>2</u>	Electric Motors: <u>5</u>	Multi-Well Pits: <u>0</u>
Gas or Diesel Motors: <u>3</u>	Cavity Pumps: <u>0</u>	LACT Unit: <u>0</u>	Pump Jacks: <u>0</u>	Pigging Station: <u>0</u>
Electric Generators: <u>3</u>	Gas Pipeline: <u>2</u>	Oil Pipeline: <u>0</u>	Water Pipeline: <u>1</u>	Flare: <u>2</u>
Gas Compressors: <u>1</u>	VOC Combustor: <u>0</u>	Oil Tanks: <u>0</u>	Fuel Tanks: <u>2</u>	

Other: Chemical Tank, 1; Please see attached Facilities List

6. Construction:

Date planned to commence construction: 10/01/2010 Size of disturbed area during construction in acres: 4.96
Estimated date that interim reclamation will begin: 05/01/2011 Size of location after interim reclamation in acres: 1.15
Estimated post-construction ground elevation: 6648 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 & Bury

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ 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: 20100017 ☐ 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: 15182, public road: 1368, above ground utilit: 16507
, railroad: 90300, property line: 1220

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: 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: 07/09/2010

List individual species: _____

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: 1630, water well: 11191, depth to ground water: 155

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:

All distances in #9 (section VI) Cultural are taken from the Kimball Mtn DH02-6 B07 799 well. Please reference the attached Facilities List for a more detailed account of what will be on the location.

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

Signed: _____ Date: 08/04/2010 Email: Julia.Carter@encana.com

Print Name: Julia M. Carter 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: 9/20/2010

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.

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.

No portion of any pit that will be used to hold liquids shall be constructed on fill material, unless the pit and fill slope are designed and certified by a professional engineer, subject to review and approval by the director prior to construction of the pit. The construction and lining of the pit shall be supervised by a professional engineer or their agent. The entire base of the pit must be in cut.

The location is in an area of high run off/run-on potential; therefore the pad shall be constructed to prevent any stormwater run-on and/or stormwater runoff.

Reserve pit must be lined or a closed loop system (which has been indicated on the Form 2A by EnCana) must be implemented during drilling.

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. If fluids are conveyed via pipeline, operator must implement best management practices to contain any unintentional release of drilling, completion, or produced fluids.

All pits containing fluids (if constructed; production pit, frac pit) must be lined.

Attachment Check List

Att Doc Num	Name	Doc Description
2033363	CORRESPONDENCE	LF@2540966 2033363
400075903	FORM 2A SUBMITTED	LF@2518222 400075903
400075918	LOCATION PICTURES	LF@2518223 400075918
400082052	LOCATION DRAWING	LF@2518224 400082052
400082053	HYDROLOGY MAP	LF@2518225 400082053
400082054	ACCESS ROAD MAP	LF@2518227 400082054
400082055	REFERENCE AREA MAP	LF@2518229 400082055
400082056	REFERENCE AREA PICTURES	LF@2518234 400082056
400082057	NRCS MAP UNIT DESC	LF@2518235 400082057
400082058	CONST. LAYOUT DRAWINGS	LF@2518236 400082058
400082060	MULTI-WELL PLAN	LF@2518243 400082060
400082063	PROPOSED BMPs	LF@2518244 400082063
400082064	EQUIPMENT LIST	LF@2518245 400082064

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Operator supplied clarification of plat issues and are acceptable. BY 9/17/10	9/17/2010 10:52:10 AM
DOW	The BMPs as submitted by the operator are applicable to the site. by Michael Warren on Tuesday, September 14, 2010 at 8:35 A.M.	9/14/2010 8:39:30 AM
Permit	Discrepancies between surveyor's lat/long numbers and their spotting on plat for the APD'. There appears to be intermittent stream within 120' (east) of the locations.	9/10/2010 11:01:02 AM
OGLA	Initiated/Completed OGLA Form 2A review on 08-12-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill, stormwater BMP COAs from operator on 08-12-10; received clarifications and acknowledgement of COAs from operator on 09-10-10; passed by CDOW on 09-14-10, with operator submitted BMPs (with permit application) acceptable; passed OGLA Form 2A review on 09-14-10 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, cuttings low moisture content, no pit in fill, stormwater BMP COAs.	8/12/2010 5:07:37 PM

Total: 4 comment(s)

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