

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:

400096292

Oil and Gas Location Assessment

☐ New Location
 ☒ Amend Existing Location
 Location#: 335004

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:

335004

Expiration Date:

11/17/2013☒ 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: MIRACLE PFISTER

Phone: (720) 876-3761

Fax: (720) 876-4861

email: miracle.pfister@encana.com

4. Location Identification:

Name: FEDERAL SAVAGE Number: 11-4A

County: GARFIELD

Quarter: LOT 4 Section: 11 Township: 7S Range: 94W Meridian: 6 Ground Elevation: 6383

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: 1032 feet, from North or South section line: FNL and 1218 feet, from East or West section line: FWL

Latitude: 39.457530 Longitude: -107.859190 PDOP Reading: 0.0 Date of Measurement: 09/02/2009

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>1</u>	Drilling Pits: <u>0</u>	Wells: <u>11</u>	Production Pits: <u>0</u>	Dehydrator Units: <u>0</u>
Condensate Tanks: <u>5</u>	Water Tanks: <u>0</u>	Separators: <u>11</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>0</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>0</u>	VOC Combustor: <u>0</u>	Oil Tanks: <u>0</u>	Fuel Tanks: <u>0</u>	

Other: SPP IS A FLARE PIT

6. Construction:

Date planned to commence construction: 09/01/2008 Size of disturbed area during construction in acres: 4.04
Estimated date that interim reclamation will begin: 05/01/2012 Size of location after interim reclamation in acres: 1.37
Estimated post-construction ground elevation: 6383 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: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 05/01/2006
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: 1584, public road: 2112, above ground utilit: 1056
, railroad: 17424, property line: 1032

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: #47 Nihill channery loan, 6 to 25% 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: _____

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: 495, water well: 940, depth to ground water: 150

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:

This pad has already been built and does not need expanded. The depth to ground water was located based on a water well located 5300' to the north. A reference area map is not required because the reference area is adjacent to the pad to the west. The surface is BLM and a BLM ROW has been approved and is attached.

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

Signed: _____ Date: 10/04/2010 Email: miracle.pfister@encana.com

Print Name: MIRACLE PFISTER 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: 11/18/2010

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.

Operator must implement best management practices to contain any unintentional release of fluids.

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

Either a lined drilling pit or a closed loop system (which operator has already indicated on the Form 2A) must be implemented.

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.

Location is in a sensitive area because of close proximity to surface water, therefore, 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 (i.e., BMPs associated with stormwater management) sufficiently protective of the nearby surface water.

Attachment Check List

Att Doc Num	Name
2033475	CORRESPONDENCE
400096292	FORM 2A SUBMITTED
400096627	ACCESS ROAD MAP
400096628	PROPOSED BMPs
400096629	LOCATION DRAWING
400096630	LOCATION PICTURES
400096633	HYDROLOGY MAP
400096635	NRCS MAP UNIT DESC
400096636	MULTI-WELL PLAN
400097143	CONST. LAYOUT DRAWINGS
400098991	REFERENCE AREA PICTURES
400098993	SURFACE AGRMT/SURETY

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
DOW	CDOW has reviewed the applicat's BMPs/COAs for this permit.CDOW affirms that the BMPs/COAs as submitted by the operator and 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 Monday, November 15, 2010 at 9:30 A.M.	11/15/2010 9:24:53 AM
Permit	LASERFICHE IS UP AND ATTACHMENTS VERIFIED, CONSTRUCTION LAYOUT DRAWINGS SHOW 11 WELLS. APPARENTLY THE SAVAGE 11-6 HAS NOT BEEN SUBMITTED YET BY	10/29/2010 7:26:23 AM
Permit	Must verify all attachments before permitting can pass. Cannot verify the number of wells (10 vs 11) on the construction layout drawings due to laserfiche being down. 10/25/10 BY	10/25/2010 7:12:58 AM
OGLA	Initiated/Completed OGLA Form 2A review on 10-19-10 by Dave Kubeczko; requested clarifications and acknowledgement of fluid containment, spill/release BMPs, cuttings low moisture content, closed loop/lined pits COAs from operator on 10-19-10; received clarifications and acknowledgement of COAs from operator on 10-19-10; passed by CDOW on 11-15-10 with operator submitted (with permit applicable) BMPs and BLM stipulations and COAs acceptable; passed OGLA Form 2A review on 11-15-10 by Dave Kubeczko; fluid containment, spill/release BMPs, cuttings low moisture content, closed loop/lined pits COAs.	10/19/2010 2:14:24 PM
Permit	resubmitted - OK; notiied opr that ref area pics and location pics the same - NO stake in Loc pictures; email opr for future reference - please have stake /PEB	10/8/2010 2:19:13 PM
Permit	resent reminder email - tomorrow last day for me / peb	10/7/2010 2:42:26 PM
Permit	Draft: •Lot designation if equivalent to a qtr/qtr is preferred – in this case Lot 4 •Please attached referred to SUA (I realize it's required more with form 2s, but helps to have here since there's not related form 2s listed •Please list forms related in forms related tab: i.e. what are the document numbers for form2 wells for this 2A (and list this 2A with form 2s as a related document) •Corrupted reference area pictures upon upload; I've deleted it – please replace PEB	10/4/2010 4:56:14 PM

Total: 7 comment(s)

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