

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:  
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: <input type="text" value="1"/>	Drilling Pits: <input type="text" value="0"/>	Wells: <input type="text" value="11"/>	Production Pits: <input type="text" value="0"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="5"/>	Water Tanks: <input type="text" value="0"/>	Separators: <input type="text" value="11"/>	Electric Motors: <input type="text" value="0"/>	Multi-Well Pits: <input type="text" value="0"/>
Gas or Diesel Motors: <input type="text" value="0"/>	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="0"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text" value="0"/>	Water Pipeline: <input type="text" value="1"/>	Flare: <input type="text" value="0"/>
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="0"/>	

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 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 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:

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 an 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**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
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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