

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:
400077180

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 334755

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:
334755
Expiration Date:
10/04/2013

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: ROSE RANCH Number: 23-4D (A22W)
County: GARFIELD
Quarter: NENE Section: 22 Township: 7S Range: 93W Meridian: 6 Ground Elevation: 6784

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: 759 feet, from North or South section line: FNL and 416 feet, from East or West section line: FEL
Latitude: 39.436361 Longitude: -107.752769 PDOP Reading: 2.0 Date of Measurement: 05/25/2010
Instrument Operator's Name: C.D. SLAUGH

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="14"/>	Production Pits: <input type="text" value="0"/>	Dehydrator Units: <input type="text" value="0"/>
Condensate Tanks: <input type="text" value="6"/>	Water Tanks: <input type="text" value="0"/>	Separators: <input type="text" value="14"/>	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="1"/>
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="0"/>	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: SPECIAL PURPOSE PIT IS A FLARE PIT. FORM 15 WILL BE SUBMITTED POST-CONST. A CUTTINGS MIXING AREA WILL BE USED FOR CUTTINGS.

6. Construction:

Date planned to commence construction: 09/15/2010 Size of disturbed area during construction in acres: 6.80
Estimated date that interim reclamation will begin: 03/29/2012 Size of location after interim reclamation in acres: 2.15
Estimated post-construction ground elevation: 6784 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 [] Onsite [X] 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: 10/03/2005
Surface Owner: [X] Fee [] State [] Federal [] Indian
Mineral Owner: [X] 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 [X] 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 [X]
Distance, in feet, to nearest building: 850 , public road: 242 , above ground utilit: 215
, railroad: 34848 , property line: 265

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: 50 - olney loam, 3 to 6 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: Native grasses include western wheatgrass, needleandthread and sagebrush

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: 336, water well: 533, depth to ground water: 12

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:

A REFERENCE AREA MAP IS NOT REQUIRED BECAUSE THE REFERENCE AREA IS ADJACENT TO THE PAD TO THE NORTH. THE SURFACE DAMAGE AGREEMENT WILL BE ATTACHED TO THE FORM 2s THAT WILL BE SUBMITTED RELATED TO THIS FORM 2A.

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

Signed: _____ Date: 07/16/2010 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: 10/5/2010

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.

Location is in a sensitive area because of proximity to a domestic water well and shallow groundwater; therefore either a lined drilling pit or closed loop system must be implemented.

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 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, operator must ensure 110 percent secondary containment for any volume of fluids contained at well site during drilling and completion operations.

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

Location is in a sensitive area because of proximity to a domestic water well and shallow groundwater; therefore production pits (if constructed) must be lined.

Attachment Check List

Att Doc Num	Name	Doc Description
1791811	CORRESPONDENCE	LF@2597286 1791811
2033274	NRCS MAP UNIT DESC	LF@2515314 2033274
2033320	CORRESPONDENCE	LF@2529200 2033320
400077180	FORM 2A SUBMITTED	LF@2510463 400077180
400077196	LOCATION PICTURES	LF@2510464 400077196
400077197	LOCATION DRAWING	LF@2510465 400077197
400077198	HYDROLOGY MAP A, TOPO	LF@2510466 400077198
400077199	ACCESS ROAD MAP	LF@2510467 400077199
400077201	REFERENCE AREA PICTURES	LF@2510468 400077201
400077202	NRCS MAP UNIT DESC	LF@2510469 400077202
400077203	CONST. LAYOUT DRAWINGS	LF@2510470 400077203
400077204	MULTI-WELL PLAN	LF@2510471 400077204
400077205	PROPOSED BMPs	LF@2510472 400077205

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	The distance to the nearest lease line was accidentally copied over to the distance to the nearest property line on the spreadsheet and give us to fill out the permit. Than I did not catch it when I submitted the permits for the A22W. The following are the correct nearest distances for the property line for each well: Rose Ranch Fee 22-9B2 (A22W) Doc # 400077180 Distance to Property line 265 I will give you a call to see if there is anything else that is needed! Thanks, Miracle Pfister	9/24/2010 2:33:26 PM
Permit	The 2A is waiting on the issues with the 2's such as inconsistencies in the distance from lease line and property line being the same, the issue of exception location due to <600' from unit boundaries, also issue of question to EnCana concerning the affect of exception location on royalties of uncommitted holdings within the two Federal units. 2's were placed ON HOLD on 9/9/10	9/20/2010 7:32:43 AM
DOW	The BMPs as submitted by the operator are applicable to the site. by Michael Warren on Monday, August 30, 2010 at 8:20 A.M.	8/30/2010 8:20:45 AM
OGLA	Initiated/Completed OGLA Form 2A review on 07-30-10 by Dave Kubeczko; requested clarifications and acknowledgement of close SW fluid containment, spill/release BMPs, shallow GW/close domestic well lined pits/closed loop, all pits lined, no pit in fill, cuttings low moisture from operator on 07-30-10; received clarifications and acknowledgement of COAs from operator on 08-23-10; passed by CDOW on 08-30-10, with operator submitted (with permit application) BMPs acceptable); passed OGLA Form 2A review on 08-31-10 by Dave Kubeczko; fluid containment, spill/release BMPs, lined pits/closed loop, all pits lined, no pit in fill, cuttings low moisture COAs and Mamm Creek NTO.	7/30/2010 12:02:44 PM

Total: 4 comment(s)

Error: Subreport could not be shown.