

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:

2093388

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: _____

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:

415459

Expiration Date:

01/25/2013

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: 72085

Name: PETRO-CANADA RESOURCES (USA) INC

Address: 999 18TH ST STE 600

City: DENVER State: CO Zip: 80202-2499

3. Contact Information

Name: JAN KAJIWARA

Phone: (303) 297-2100

Fax: (303) 297-7708

email: JKAJIWARA@SUNCOR.COM

4. Location Identification:

Name: DF RANCH Number: 1161-17-12

County: WELD

QuarterQuarter: NWNE Section: 17 Township: 11N Range: 61W Meridian: 6 Ground Elevation: 5300

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: 660 feet, from North or South section line: FNL and 1980 feet, from East or West section line: FEL

Latitude: 40.926860 Longitude: -104.227490 PDOP Reading: 2.7 Date of Measurement: 09/18/2009

Instrument Operator's Name: DARREN VEAL

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):

Special Purpose Pits: Drilling Pits: 1 Wells: 1 Production Pits: Dehydrator Units:

Condensate Tanks: Water Tanks: Separators: Electric Motors: Multi-Well Pits:

Gas or Diesel Motors: Cavity Pumps: LACT Unit: Pump Jacks: Pigging Station:

Electric Generators: Gas Pipeline: Oil Pipeline: Water Pipeline: Flare:

Gas Compressors: VOC Combustor: Oil Tanks: Fuel Tanks:

Other: 1-Underground flowline will be installed from wellhead to a future production facility to be permitted.

6. Construction:

Date planned to commence construction: 02/16/2010 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 05/17/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 5300 Will a closed loop system be used for drilling fluids: Yes
Will salt sections be encountered during drilling: Yes No X Is H2S anticipated? Yes No
Will salt (>15,000 ppm TDS Cl) or oil based muds be used: Yes No X
Mud disposal: Offsite X Onsite Method: Land Farming Land Spreading X Disposal Facility
Other:

7. Surface Owner:

Name: DF RANCH Phone:
Address: 285 SOUTH FARNHAM STREET Fax:
Address: Email:
City: GALESBURG State: IL Zip: 61401 Date of Rule 306 surface owner consultation: 09/18/2009
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 Surface Use Agreement Right of Way
applicant is owner
Surface damage assurance if no agreement is in place: \$2000 \$5000 X Blanket Surety ID 20010103

8. Reclamation Financial Assurance:

X Well Surety ID: 20010102 Gas Facility Surety ID: Waste Mgmt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 5280 , public road: 1980 , above ground utilit: 4159
, railroad: 5280 , property line: 660

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: ASCALON FINE SANDY LOAM 0-6% 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: 09/18/2009

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: 5649, water well: 4035, depth to ground water: 48

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:

SENSITIVE AREA IS IN UPPER CROW CREEK DESIGNATED GROUNDWATER BASIN. NO VISIBLE IMPROVEMENTS WITHIN 400' OF PROPOSED LOCATION. NEAREST BUILDING AND RAILROAD GREATER THAT 5280'. WATER WELL#0243352B. REFERENCE AREA IS ADJACENT TO AND EAST OF THE PAD. LOCATION PHOTOS ARE REFERENCE PHOTOS.

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

Signed: _____ Date: 12/23/2009 Email: JKAJIWAR@SUNCOR.COM

Print Name: JAN KAJIWARA 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: 1/26/2010

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.

Attachment Check List

Att Doc Num	Name	Doc Description
2085027	CORRESPONDENCE	LF@2209716 2085027
2093388	FORM 2A	LF@2203008 2093388
2093392	LOCATION PICTURES	LF@2203042 2093392
2093393	LOCATION DRAWING	LF@2203043 2093393
2093394	HYDROLOGY MAP	LF@2203009 2093394
2093395	ACCESS ROAD MAP	LF@2203041 2093395
2093396	NRCS MAP UNIT DESC	LF@2203010 2093396
2093397	PROPOSED BMPs	LF@2203011 2093397

Total Attach: 8 Files

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