

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303)894-2100 Fax: (303)894-2109

Rev 03/09

☒ New Location☐ Amend Existing Location Location #: 332716

Oil and Gas Location Assessment

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.

☒ 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 Suffix: _____

Name: Petro-Canada Resources (USA) Inc.

Address: 999 18th Street, Suite 600

City: Denver State: CO Zip: 80202

3. Contact Information

Name: Susan Miller

Phone: 303-297-2100

Fax: 303-297-7708

email: sumiller@suncor.com

4. Location Identification: Multi-Well Plan

Name: PHILLIPS

Number: 23-4-23 (DIR)

County: WELD

Quarter/Quarter: SESE Section: 23 Township: 5N Range: 67W Meridian: 6th P.M. Ground Elevation: 5010'

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: 984 feet, from North or South section line: south and 1019 feet, from East or West section line: east

Latitude: 40.38029N Longitude: -104.85098W PDOP Reading: 1.4 Date of Measurement: 05/05/2008

Instrument operator's name: Ron Edwards

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

Wells	3	Drilling Pits	1	Special Purpose Pits	0	Production Pits	0	Multi-Well Pits	0	Oil Tanks	0
Condensate Tanks	0	Water Tanks	0	Separators	0	LACT Unit	0	Dehydrator Units	0	Gas Compressors	0
Pump Jacks	0	Cavity Pumps	0	Electric Motors	0	Gas or Diesel Motors	0	Electric Generators	0	Fuel Tanks	0
Pigging Station	0	Gas Pipeline	0	Oil Pipeline	0	Water Pipeline	0	Flare	0	VOC Combustor	0

Other: Drilling = 2 diesel generators, 1 fuel tank. One (1) underground flowline will be installed from wellhead to existing production facility located 1775' SW.

6. Construction

Date planned to commence construction: 04/01/2010 Size of disturbed area during construction in acres: 2

Estimated date that interim reclamation will begin: 07/01/2010 Size of location after interim reclamation in acres: .5

Estimated post-construction ground elevation: 5010' Will a closed loop system be used for drilling fluids: Yes ☐ No ☒Will salt sections be encountered during drilling: 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: Duke Phillips Phone: 970/222-6804

Address: 2209 Flora Court

Address: _____ Fax: _____

City: Loveland State: CO Zip: 80537 Date of Rule 306 surface owner consultation: 02/22/2008

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ IndianMineral Owner: ☒ Fee ☐ State ☐ Federal ☐ IndianThe surface owner is: ☐ the mineral owner ☐ committed to an oil and gas lease ☐ is the executor of the oil and gas lease. ☐ the applicantThe right to construct the location is granted by: ☐ oil and gas lease ☒ Surface Use Agreement ☐ Right of Way ☐ applicant is ownerSurface damage assurance if no agreement is in place: ☐ \$2,000 ☐ \$5,000 ☐ Blanket Surety Id: _____

8. Reclamation Financial Assurance

☒ Well Surety Id: 2001-0102 ☐ Gas Facility Surety Id: _____ ☐ Waste Management Surety Id: _____

9. Cultural

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒

Distance, in feet, to nearest building: 147'1' , public road: 990' , above ground utility: 147'1' , railroad: 5280' , property line: 984'

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Complete the Attachment Checklist

Attachment	Op	COGCC
Location Pictures	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Location Drawing	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Hydrology Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Access Road Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Reference Area Map	<input type="checkbox"/>	<input type="checkbox"/>
Reference Area Pictures	<input type="checkbox"/>	<input type="checkbox"/>
NRCS Map Unit Desc	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Const. Layout Drawings	<input type="checkbox"/>	<input type="checkbox"/>
Multi-well Plan	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Proposed BMPs	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sensitive Area Data	<input type="checkbox"/>	<input type="checkbox"/>
Section 404 Permit	<input type="checkbox"/>	<input type="checkbox"/>
CDP Conditions	<input type="checkbox"/>	<input type="checkbox"/>
317B Notification	<input type="checkbox"/>	<input type="checkbox"/>

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10. Current Land Use (Check all that apply)

Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry land	<input checked="" type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
Non-Crop Land:	<input type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe):	
Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> Residential		

11. Future Land Use (Check all that apply)

Crop Land:	<input type="checkbox"/> Irrigated	<input type="checkbox"/> Dry land	<input checked="" type="checkbox"/> Improved Pasture	<input type="checkbox"/> Hay Meadow	<input type="checkbox"/> CRP
Non-Crop Land:	<input type="checkbox"/> Rangeland	<input type="checkbox"/> Timber	<input type="checkbox"/> Recreational	<input type="checkbox"/> Other (describe):	
Subdivided:	<input type="checkbox"/> Industrial	<input type="checkbox"/> Commercial	<input type="checkbox"/> 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: Colby-Adena loams

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 <input type="checkbox"/> No <input type="checkbox"/>	
Plant species from:	<input type="checkbox"/> NRCS or, <input type="checkbox"/> 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 (Bluestem, 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:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Was a Rule 901.e. Sensitive Areas Determination performed:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Distance (in feet) to nearest surface water:	553'	water well:	1.08 mi , depth to ground water: 170'
Is the location in a riparian area:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes	Was an Army Corps of Engineers Section 404 permit filed:	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes If yes attach permit.
Is the location within a Rule 317B Surface Water Supply Area buffer zone:	<input checked="" type="checkbox"/> No <input type="checkbox"/> 0-300 ft. zone <input type="checkbox"/> 301-500 ft. zone <input type="checkbox"/> 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 :	<input type="checkbox"/> No <input type="checkbox"/> Yes		

15. Comments

No changes to location since original submittal.
Proposed location is over 1 mile from nearest railroad.
Nearest water well permit no. 32279.

This multi-well plan covers (3) locations:
Proposed:

Phillips 23-4-23 (DIR) API no. 05-123-29203, Phillips 23-4-22 (DIR) API No. 05-123-29336

Existing:

Sheep Draw 23-44 API No. 05-123-11290

Production facility located 1775' SW:

1 oil tank, 1 water tank, 1 separator, 1 gas pipeline and 1 VOC combustor.

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

Signed:

Print Name: Susan Miller

Date: 11/12/2009

Email: sumiller@suncor.com

Title: Regulatory Analyst

COGCC Approved:

Title:

Date:

CONDITIONS OF APPROVAL will be attached.

Location Number: