

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:
400089330

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:
420241
Expiration Date:
11/03/2013

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: 69175
Name: PETROLEUM DEVELOPMENT CORPORATION
Address: 1775 SHERMAN STREET - STE 3000
City: DENVER State: CO Zip: 80203

3. Contact Information

Name: Kelly Huffman
Phone: (303) 831-3974
Fax: (303) 860-5838
email: khuffman@petd.com

4. Location Identification:

Name: Knieval Number: SW-12
County: WELD
QuarterQuarter: NESW Section: 12 Township: 6N Range: 67W Meridian: 6 Ground Elevation: 4867
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: 1656 feet, from North or South section line: FSL and 2446 feet, from East or West section line: FWL
Latitude: 40.498870 Longitude: -104.842440 PDOP Reading: 1.9 Date of Measurement: 09/12/2010
Instrument Operator's Name: Brian T. Brinkman

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/>	Wells: <input type="text" value="5"/>	Production Pits: <input type="checkbox"/>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text" value="3"/>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/>	Cavity Pumps: <input type="checkbox"/>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="text" value="1"/>	Oil Tanks: <input type="text" value="3"/>	Fuel Tanks: <input type="checkbox"/>	

Other: one 3-phase flowline per well

6. Construction:

Date planned to commence construction: 04/01/2011 Size of disturbed area during construction in acres: 2.00
 Estimated date that interim reclamation will begin: 07/01/2011 Size of location after interim reclamation in acres: 0.50
 Estimated post-construction ground elevation: 4867 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: 08/09/2010
 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: 20090078 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: 760, public road: 1400, above ground utilit: 178
 , railroad: 5100, property line: 184

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: Kim loam, 3 to 5 percent slopes

NRCS Map Unit Name: Kim loam, 1 to 3 percent slopes

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: 193, water well: 1010, depth to ground water: 8

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:

Water well permit #11267-R was used to determine depth to groundwater. Conductor casing will not be used. The Knievel 13-12D, 23-12D, 12BD, 14-12D and 24-12D will all be drilled from the same pad. The wells will be tied into a tank battery facility on site approximately 100' to the east. Petroleum Development Corporation requests approval of a Rule 318Aa and Rule 318Ac exception location: Wellhead is to be located outside of a GWA drilling window and will be located more than 50' from an existing well location.

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

Signed: _____ Date: 10/11/2010 Email: khuffman@petd.com

Print Name: Kelly Huffman Title: Permit Specialist

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: 11/4/2010

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 site-specific best management practices in accordance with good engineering practices, including, but not limited to, construction of a berm or diversion dike, site grading, or other comparable measures, sufficient to protect the unnamed pond located 193 feet northeast of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.

Attachment Check List

Att Doc Num	Name	Doc Description
2613305	LOCATION PICTURES	LF@2603109 2613305
2613306	CORRESPONDENCE	LF@2603110 2613306
2613332	LOCATION DRAWING	LF@2612326 2613332
2622019	EXCEPTION LOC REQUEST	LF@2604144 2622019
2622020	EXCEPTION LOC WAIVERS	LF@2604145 2622020
2622021	LOCATION DRAWING	LF@2604156 2622021
2622022	EXCEPTION LOC REQUEST	LF@2604185 2622022
2622023	EXCEPTION LOC WAIVERS	LF@2604186 2622023
400089330	FORM 2A SUBMITTED	LF@2601812 400089330
400089358	LOCATION PICTURES	LF@2601813 400089358
400089360	NRCS MAP UNIT DESC	LF@2601814 400089360
400089362	NRCS MAP UNIT DESC	LF@2601815 400089362
400089364	PROPOSED BMPs	LF@2601816 400089364
400099495	LOCATION DRAWING	LF@2601817 400099495
400099497	MULTI-WELL PLAN	LF@2601818 400099497
400099503	ACCESS ROAD MAP	LF@2601819 400099503
400099506	HYDROLOGY MAP	LF@2601820 400099506

Total Attach: 17 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Attached revised Location Pictures provided by operator. Changed interim reclamation date to 7/1/2011. Because the location is a 5-well pad, drilling and completion operations may last longer than 3 months. Areas needed for continued drilling and completion operations will be stabilized to minimize dust and erosion in accordance with Rule 1003.	10/18/2010 8:27:54 AM

Total: 1 comment(s)

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