

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:

1758007

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:

414243

Expiration Date:

10/19/2012
☒ 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 - SUITE 3000

City: DENVER State: CO Zip: 80203

3. Contact Information

Name: CARRIE EGGLESTON

Phone: (303) 860-5800

Fax: (303) 860-5838

email: CEGGLESTON@PETD.COM

4. Location Identification:

Name: WELLS RANCH Number: 44-12

County: WELD

QuarterQuarter: SESE Section: 12 Township: 5N Range: 63W Meridian: 6 Ground Elevation: 4607

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: 741 feet, from North or South section line: FSL and 800 feet, from East or West section line: FEL

Latitude: 40.408690 Longitude: -104.378330 PDOP Reading: 6.0 Date of Measurement: 01/08/2009

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

Special Purpose Pits: <input type="text" value="2"/>	Drilling Pits: <input type="text" value="1"/>	Wells: <input type="text" value="1"/>	Production Pits: <input type="text"/>	Dehydrator Units: <input type="text"/>
Condensate Tanks: <input type="text"/>	Water Tanks: <input type="text" value="1"/>	Separators: <input type="text"/>	Electric Motors: <input type="text"/>	Multi-Well Pits: <input type="text"/>
Gas or Diesel Motors: <input type="text"/>	Cavity Pumps: <input type="text"/>	LACT Unit: <input type="text"/>	Pump Jacks: <input type="text"/>	Pigging Station: <input type="text"/>
Electric Generators: <input type="text"/>	Gas Pipeline: <input type="text" value="1"/>	Oil Pipeline: <input type="text"/>	Water Pipeline: <input type="text"/>	Flare: <input type="text"/>
Gas Compressors: <input type="text"/>	VOC Combustor: <input type="text"/>	Oil Tanks: <input type="text"/>	Fuel Tanks: <input type="text" value="1"/>	

Other: _____

6. Construction:

Date planned to commence construction: 07/01/2010 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 08/01/2010 Size of location after interim reclamation in acres: 0.10
Estimated post-construction ground elevation: 4607 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: 01/07/2009
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 executor 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: 20010031 ☐ Gas Facility Surety ID: _____ ☐ Waste Mgmt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes ☐ No ☒
Distance, in feet, to nearest building: 4540, public road: 24710, above ground utilit: 850
_____, railroad: 39180, property line: 741

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 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: VALENT SAND. 3 T 9 PERCENT SLOPES

NRCS Map Unit Name: VALENT SAND. 0 T 3 PERCENT SLOPES

NRCS Map Unit Name: OSGOOD SAND. 0 TO 3 PERCENT SLOPES

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: SAND BLUESTEM, PRAIRIE SANDREED, SWITCHGRASS, YELLOW INDIANGRASS,
NEEDLEANDTHREAD, BLUE GRAMA, LITTLE BLUESTEM, PACIFIC PEAVINE, EVENING
PRIMROSE, PRAIRIE CLOVERS, AND WESTERN SANDCHERRY.

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): SAND BLUESTEM, PRAIRIE SANDREED, WESTERN SANDCHERRY

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: 1000, water well: 2000, depth to ground water: 23

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:

NO SURFACE IMPROVEMENTS ARE LOCATED WITHIN 400 FEET OF THE PROPOSED WELL; NO SURFACE WATER BODIES ARE LOCATED WITHIN 1,000 FEET OF THE PROPOSED WELL; FOLLOWING THE DRILLING AND COMPLETION PHASES, THE ONLY PERMANENT EQUIPMENT ON THE WELL PAD WILL BE THE WELL HEAD; AND THE PIPELINE FROM THE WELL HEAD WILL BE APPROXIMATELY 1000 FEET LONG AND WILL FOLLOW THE ACCESS ROAD LEAVING THE WELL PAD ON THE NORTHWEST CORNER FOR APPROXIMATELY 400 FEET WHERE IT WILL MEET THE EXISTING RANCH ROAD. THE PIPELINE WILL THEN FOLLOW THE RANCH ROAD NORTH APPROXIMATELY 600 FEET AND ENTER THE WELLS RANCH 12D WELL PAD ON THE SOUTH SIDE. The depth to groundwater was obtained from an abandoned monitor well (#23002MH) located 840 feet south of the proposed location. (MRH 9/9/09)

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

Signed: _____ Date: 07/27/2009 Email: JSCHAFF@PETD.COM

Print Name: JAMES R. SCHAFF Title: VICE PRESIDENT LAND

Based on the information provided herein, this Application for Permit-to-Drill complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: _____

David S. Nashin

Director of COGCC

Date: 10/20/2009

Attachment Check List

Att Doc Num	Name	Doc Description
1641029	CORRESPONDENCE	LF @2154596 1641029
1641034	CORRESPONDENCE	LF @2155614 1641034
1758007	FORM 2A	LF @2110290 1758007
1758009	LOCATION PICTURES	LF @2110439 1758009
1758010	LOCATION PICTURES	LF @2110443 1758010
1758011	LOCATION DRAWING	LF @2110446 1758011
1758012	HYDROLOGY MAP	LF @2110452 1758012
1758013	ACCESS ROAD MAP	LF @2110453 1758013
1758014	REFERENCE AREA MAP	LF @2110454 1758014
1758015	LOCATION PICTURES	LF @2110456 1758015
1758016	LOCATION PICTURES	LF @2110458 1758016
1758017	NRCS MAP UNIT DESC	LF @2110291 1758017
1758018	NRCS MAP UNIT DESC	LF @2110461 1758018
1758019	CONST. LAYOUT DRAWINGS	LF @2110292 1758019
1758020	PROPOSED BMPs	LF @2110293 1758020
1758021	OTHER	LF @2110459 1758021

Total Attach: 16 Files