

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



Table with 4 columns: DE, ET, OE, ES

Document Number: 400156413

Oil and Gas Location Assessment

[X] 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...

Location ID: 423456 Expiration Date: 06/04/2014

[] 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: Liz Lindow Phone: (303) 831-3974 Fax: () email: llindow@petd.com

4. Location Identification:

Name: Simmons Tank Battery Number: NE-20 County: WELD Quarter: SENE Section: 20 Township: 6N Range: 64W Meridian: 6 Ground Elevation: 4760 Define a single point as a location reference for the facility location... Footage at surface: 1840 feet FNL, from North or South section line, and 127 feet FEL, from East or West section line. Latitude: 40.473700 Longitude: -104.565040 PDOP Reading: 6.0 Date of Measurement: 11/10/2010 Instrument Operator's Name: Thomas Carlson

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

Special Purpose Pits: [] Drilling Pits: [] Wells: [] Production Pits: [] Dehydrator Units: [] Condensate Tanks: [] Water Tanks: [1] Separators: [3] 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: [1] Oil Tanks: [4] Fuel Tanks: []

Other: one 3-phase flowline per well

6. Construction:

Date planned to commence construction: 06/20/2011 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 08/20/2011 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 4760 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 [X] Onsite [] Method: Land Farming [X] Land Spreading [] Disposal Facility []
Other: _____

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 06/21/2010
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 19990086

8. Reclamation Financial Assurance:

[X] 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 [X]
Distance, in feet, to nearest building: 159 , public road: 110 , above ground utilit: 103
, railroad: 5280 , property line: 56

10. Current Land Use (Check all that apply):

Crop Land: [X] Irrigated [] Dry land [] Improved Pasture [X] 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: [X] Irrigated [] Dry land [] Improved Pasture [X] 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.

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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: 51: Otero sandy loam, 1 to 3 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: _____

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: No Yes Was a Rule 901.e. Sensitive Areas Determination performed: No Yes

Distance (in feet) to nearest surface water: 1615, water well: 1233, depth to ground water: 80

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 # 258212 was used to find depth to ground water. The Simmons 20RD, 41-20D, 20CD, 31-20D, 20VD, 20ND, 32-20D, 42-20D will all be tied to this production facility.

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

Signed: _____ Date: 05/11/2011 Email: llindow@petd.com

Print Name: Liz Lindow Title: Permit Representative

IMPORTANT: SOME DATA FIELDS HAVE BEEN MODIFIED.

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. Nesline Director of COGCC Date: 6/5/2011

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.

Notify the COGCC Oil and Gas Location Assessment (OGLA) specialist for South Eastern Colorado (Arthur Koepsell; email arthur.koepsell@state.co.us) 48 hours prior to initiating construction activities on the location.

Attachment Check List

Att Doc Num	Name
2533235	LOCATION DRAWING
2533236	CORRESPONDENCE
2533255	CORRESPONDENCE
400156413	FORM 2A SUBMITTED
400156423	HYDROLOGY MAP
400156424	LOCATION DRAWING
400156425	LOCATION PICTURES
400156426	NRCS MAP UNIT DESC
400156427	WELL LOCATION PLAT
400156428	ACCESS ROAD MAP
400156430	PROPOSED BMPs

Total Attach: 11 Files

General Comments

User Group	Comment	Comment Date
Permit	Reason for COGCC alert has been resolved.	6/2/2011 10:41:56 AM
OGLA	From Steve Lindblom: The Simmons onsite inspection request (NE 20 6N 64W) has been withdrawn. The green square has been removed. An SUA is in place. Form 2A number 400156380 and 400156413. From the onsite inspection perspective, I have no issues. However, I do see that an alert remains at the location regarding mineral interest. -Steve	5/31/2011 11:21:48 AM
OGLA	Ready to pass 6/2/2011.	5/19/2011 8:34:53 AM
OGLA	Added updated Location Drawing showing all equipment to the North of the reference point.	5/19/2011 8:29:43 AM
Permit	This reference point is exactly 200 feet from house. The tanks will have to be north and west of the reference point. Clarification of tank location will be necessary to approve this permit. They are also bonding on.	5/12/2011 5:32:01 PM
Permit	On hold pending clarification of COGCC alert and onsite request.	5/12/2011 5:31:50 PM

Total: 6 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	This Stormwater Management Plan contains required elements associated with PDC's construction activities for Area 2, as defined in the CDPS General Permit for Stormwater Discharges Associated with Construction Activity, Authorization to Discharge Under the Colorado Discharge Permit System (Permit No. COR-030000, re-issued and effective July 1, 2007).BMPs for sediment and erosion control will be accomplished through a combination of construction techniques, vegetation and re-vegetation, administrative controls, and structural features.

Total: 1 comment(s)