

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 columns DE, ET, OE, ES

Document Number: 400097318

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 310577

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: 310577 Expiration Date: 10/27/2013

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: Maxey Number: SE-24 County: WELD Quarter: NWSE Section: 24 Township: 5N Range: 65W Meridian: 6 Ground Elevation: 4636 Define a single point as a location reference for the facility location. Footage at surface: 1405 feet FSL, from North or South section line, and 1399 feet FEL, from East or West section line. Latitude: 40.381260 Longitude: -104.606940 PDOP Reading: 1.6 Date of Measurement: 09/03/2010 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: 0 Drilling Pits: 1 Wells: 4 Production Pits: 0 Dehydrator Units: 0 Condensate Tanks: 0 Water Tanks: 0 Separators: 0 Electric Motors: 0 Multi-Well Pits: 0 Gas or Diesel Motors: 0 Cavity Pumps: 0 LACT Unit: 0 Pump Jacks: 0 Pigging Station: 0 Electric Generators: 0 Gas Pipeline: 0 Oil Pipeline: 0 Water Pipeline: 0 Flare: 0 Gas Compressors: 0 VOC Combustor: 0 Oil Tanks: 0 Fuel Tanks: 0 Other: One 3-phase flowline per well

6. Construction:

Date planned to commence construction: 01/08/2011 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 04/08/2011 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 4636 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: George & Eloise Maxey Phone: _____
Address: 26331 Weld CR 49 Fax: _____
Address: _____ Email: _____
City: Greeley State: CO Zip: 80631 Date of Rule 306 surface owner consultation: 08/15/2010
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: 600, public road: 1370, above ground utilit: 680
, railroad: 1640, property line: 1232

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.

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: 1 - Altvan loam, 0 to 1 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: 565, water well: 950, 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 #290-- was used to determine depth to groundwater. The Maxey 24SD, Maxey 24PD, 24XD and the Maxey 24D (an existing well) will all be drilled from the same pad. The wells will be tied into a tank battery facility which currently services the Maxey 24D and 43-24 wells located approximately 800' to the SSE. The additional equipment needed for the additional wells will fall within the originally disturbed area.

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

Signed: _____ Date: 10/05/2010 Email: khuffman@petd.com

Print Name: Kelly Huffman Title: Permit Specialist

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: 10/28/2010

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
2085696	CORRESPONDENCE
400097318	FORM 2A APPROVED
400097341	ACCESS ROAD MAP
400097343	HYDROLOGY MAP
400097345	LOCATION DRAWING
400097346	LOCATION PICTURES
400097347	MULTI-WELL PLAN
400097349	NRCS MAP UNIT DESC
400097353	PROPOSED BMPs
400104529	FORM 2A SUBMITTED

Total Attach: 10 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
OGLA	Changed distance to nearest surface water from 44 feet to 565 feet, changed mud disposal to "offsite - land spreading".	10/13/2010 11:26:53 AM

Total: 1 comment(s)

BMP

<u>Type</u>	<u>Comment</u>

Total: 0 comment(s)