

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: 400127181

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 309472

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: 309472 Expiration Date: 03/10/2014

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: 10084 Name: PIONEER NATURAL RESOURCES USA INC Address: 1401 17TH ST STE 1200 City: DENVER State: CO Zip: 80202

3. Contact Information

Name: Georgina Kovacik Phone: (303) 675-2611 Fax: (303) 294-1251 email: georgina.kovacik@pxd.com

4. Location Identification:

Name: BAUER Number: 14-8 TR County: LAS ANIMAS Quarter: SWSW Section: 8 Township: 32S Range: 65W Meridian: 6 Ground Elevation: 7317 Define a single point as a location reference for the facility location. Footage at surface: 855 feet FSL, from North or South section line, and 506 feet FWL, from East or West section line. Latitude: 37.267840 Longitude: -104.702580 PDOP Reading: 3.5 Date of Measurement: 12/09/2010 Instrument Operator's Name: R. Coberly

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

Special Purpose Pits: 0 Drilling Pits: 2 Wells: 2 Production Pits: 2 Dehydrator Units: 0
Condensate Tanks: 0 Water Tanks: 0 Separators: 2 Electric Motors: 0 Multi-Well Pits: 0
Gas or Diesel Motors: 2 Cavity Pumps: 2 LACT Unit: 0 Pump Jacks: 0 Pigging Station: 2
Electric Generators: 0 Gas Pipeline: 2 Oil Pipeline: 0 Water Pipeline: 2 Flare: 0
Gas Compressors: 0 VOC Combustor: 0 Oil Tanks: 0 Fuel Tanks: 0
Other:

6. Construction:

Date planned to commence construction: 04/25/2011 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 10/25/2011 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7317 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: Drilling pit

7. Surface Owner:

Name: _____ Phone: _____
Address: _____ Fax: _____
Address: _____ Email: _____
City: _____ State: _____ Zip: _____ Date of Rule 306 surface owner consultation: 11/27/2010
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: 20040083 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: 410, public road: 166, above ground utilit: 550
, railroad: 39000, property line: 506

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: Molinaro Loam, 2 to 12% 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: 12/09/2010

List individual species: grasses, cactus

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: 120, water well: 30, depth to ground water: 86

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:

If a pit liner is used it will be properly managed as solid waste when the pit is closed in accordance with state rules. The reference area is an undisturbed area adjacent to and to the east of the well pad. The water well used to determine the static water level was #0107179.

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

Signed: _____ Date: 01/25/2011 Email: georgina.kovacik@pxd.com

Print Name: Georgina Kovacik Title: Engineering Tech

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: 3/11/2011

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.

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 prevent a release of drilling, completion, produced fluids, or chemical products from entering the pond and drainage located 100 feet west of the proposed oil and gas location.

Prior to putting production pits into service Pioneer shall submit an Earthen Pit Report/Permit Form 15 to the Director for approval in accordance with rule 903.a.. No production water shall be placed in a pit without a pre-approved form 15.

Location is in a sensitive area because of potential for adverse impacts to ground water/surface water; therefore all pits will be lined.

Attachment Check List

Att Doc Num	Name
2533071	CORRESPONDENCE
400127181	FORM 2A SUBMITTED
400127203	ACCESS ROAD MAP
400127204	HYDROLOGY MAP
400127205	CONST. LAYOUT DRAWINGS
400127206	LOCATION DRAWING
400127207	LOCATION PICTURES
400127208	LOCATION PICTURES
400127212	TOPO MAP
400127213	WELL LOCATION PLAT
400127215	PROPOSED BMPs
400127216	NRCS MAP UNIT DESC
400127988	SURFACE AGRMT/SURETY

Total Attach: 13 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	PERMITTING PASSED- JLV	3/8/2011 10:39:35 AM
Permit	Requested the "height of the derrick" that will be utilized to drill the subject well; "height of the derrick" measured from the ground to the top of the crown at the top of the derrick cannot exceed 111 feet due to the close proximity of a County Road.	3/4/2011 1:12:58 PM
OGLA	Ready to pass 2/17/2010	2/3/2011 9:15:20 AM
OGLA	The area is in a sensitive area due to the proximity of surface water.	1/28/2011 9:23:08 AM

Total: 4 comment(s)

BMP

Type

Comment

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

Total: 0 comment(s)