

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:  
400013049

Oil and Gas Location Assessment

New Location       Amend Existing Location      Location#: 309387

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:  
**309387**  
Expiration Date:  
**12/21/2012**

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

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

4. Location Identification:  
Name: Sundance Number: 24-28 TR  
County: LAS ANIMAS  
Quarter: SESW Section: 28 Township: 32S Range: 66W Meridian: 6 Ground Elevation: 7418  
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: 391 feet, from North or South section line: FSL and 1538 feet, from East or West section line: FWL  
Latitude: 37.223200 Longitude: -104.788500 PDOP Reading: 3.2 Date of Measurement: 09/29/2009

5. Facilities (Indicate the number of each type of oil and gas facility planned on location):  
Special Purpose Pits:  Drilling Pits:  1 Wells:  2 Production Pits:  2 Dehydrator Units:   
Condensate Tanks:  Water Tanks:  Separators:  2 Electric Motors:  Multi-Well Pits:   
Gas or Diesel Motors:  2 Cavity Pumps:  2 LACT Unit:  Pump Jacks:  Pigging Station:  2  
Electric Generators:  Gas Pipeline:  2 Oil Pipeline:  Water Pipeline:  2 Flare:   
Gas Compressors:  VOC Combustor:  Oil Tanks:  Fuel Tanks:   
Other: \_\_\_\_\_

6. Construction:

Date planned to commence construction: 05/03/2010 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 08/03/2010 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7418 Will a closed loop system be used for drilling fluids: Yes
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 Onsite X 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: 09/17/2009
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 executor of the oil and gas lease the applicant
The right to construct the location is granted by: X 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 20040084

8. Reclamation Financial Assurance:

X Well Surety ID: 20040083 Gas Facility Surety ID: 20040085 Waste Mgmt. Surety ID:

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No X
Distance, in feet, to nearest building: 2400 , public road: 1550 , above ground utilit: 1525
, railroad: 69000 , property line: 204

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

Crop Land: Irrigated Dry land Improved Pasture Hay Meadow CRP
Non-Crop Land: Rangeland X 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 X 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: Gulnare-Allens Park Complex, 5 to 35% 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: 09/28/2009

List individual species: pine, cedar, oak

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: 357, water well: 1589, depth to ground water: 60

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:

The reference area is adjacent to and to the North of the well pad.

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

Signed: \_\_\_\_\_ Date: 11/03/2009 Email: georgina.kovacik@pxd.com

Print Name: Georgina Kovacik Title: Engineering Tech

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. Neshin*

COGCC Approved: \_\_\_\_\_

**Director of COGCC**

Date: 12/22/2009

Location is in a sensitive area because of soil type (Gulnare) and potential impacts to GW; therefore, operator must line all pits.

### **Attachment Check List**

Att Doc Num	Name	Doc Description
2032721	CORRESPONDENCE	LF@2200693 2032721
400013061	FORM 2A SUBMITTED	LF@2187135 400013061
400013067	ACCESS ROAD MAP	LF@2187137 400013067
400013068	HYDROLOGY MAP	LF@2187138 400013068
400013069	CONST. LAYOUT DRAWINGS	LF@2187139 400013069
400013070	LOCATION DRAWING	LF@2187141 400013070
400013071	LOCATION PICTURES	LF@2187142 400013071
400013072	LOCATION PICTURES	LF@2187143 400013072
400013073	WELL LOCATION PLAT	LF@2187144 400013073
400013074	NRCS MAP UNIT DESC	LF@2187145 400013074
400013075	PROPOSED BMPs	LF@2187146 400013075

Total Attach: 11 Files