

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:
400165953

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 386804

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 standalone 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:
386804
Expiration Date:

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: BROOKS Number: 23-22
County: LAS ANIMAS
QuarterQuarter: NE/SW Section: 22 Township: 32S Range: 66W Meridian: 6 Ground Elevation: 7550
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: 2389 feet FSL, from North or South section line, and 1490 feet FWL, from East or West section line.
Latitude: 37.242910 Longitude: -104.770950 PDOP Reading: 4.2 Date of Measurement: 04/20/2011
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: Drilling Pits: 1 Wells: 1 Production Pits: 1 Dehydrator Units:
Condensate Tanks: Water Tanks: Separators: 1 Electric Motors: Multi-Well Pits:
Gas or Diesel Motors: 1 Cavity Pumps: 1 LACT Unit: Pump Jacks: Pigging Station: 1
Electric Generators: Gas Pipeline: 1 Oil Pipeline: Water Pipeline: 1 Flare:
Gas Compressors: VOC Combustor: Oil Tanks: Fuel Tanks:
Other: _____

6. Construction:

Date planned to commence construction: 08/20/2011 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 11/20/2011 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7547 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: Christian Heyden Phone: (719)846-7635
Address: P.O. Box 75 Fax:
Address: Email:
City: Bon Carbo State: CO Zip: 81024 Date of Rule 306 surface owner consultation: 04/20/2011
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 20040084

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 X
Distance, in feet, to nearest building: 2400 , public road: 2375 , above ground utilit: 2350
, railroad: 60700 , property line: 1020

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: 04/20/2011

List individual species: pine, cedar, oak

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: 1260, water well: 1275, depth to ground water: 500

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 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 south of the well pad. The reference area photos will be submitted within 12 months. The water well used to determine the static water level is #0450292

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

Signed: _____ Date: _____ 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.

COGCC Approved: _____ Director of COGCC Date: _____

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.

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Attachment Check List

Att Doc Num	Name
400166155	ACCESS ROAD MAP
400166157	CONST. LAYOUT DRAWINGS
400166167	HYDROLOGY MAP
400166168	CONST. LAYOUT DRAWINGS
400166169	LOCATION DRAWING
400166170	MINERAL LEASE MAP
400166172	LOCATION PICTURES
400166173	LOCATION PICTURES
400166174	SURFACE PLAN
400166176	TOPO MAP
400166178	WELL LOCATION PLAT
400166179	NRCS MAP UNIT DESC
400166181	PROPOSED BMPs

Total Attach: 13 Files

General Comments

User Group	Comment	Comment Date

Total: 0 comment(s)

BMP

<u>Type</u>	<u>Comment</u>
Storm Water/Erosion Control	A diversion ditch will be installed on the cut side to divert rain water and snow melt from the location. Erosion control devices will be installed on the fill side of the location to contain any erosion from the fill slope.
Material Handling and Spill Prevention	The edge of the location will be bermed in all areas of fill to prevent any liquids from leaving the location during drilling and completion operations.
Interim Reclamation	All areas of the location will be recotoured to the original stage.

Total: 3 comment(s)