

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:
400190587

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 386788

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:
386788
Expiration Date:
09/13/2014

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: Judy Glinisty
Phone: (303) 675-2658
Fax: (303) 294-1275
email: Judy.Glinisty@pxd.com

4. Location Identification:

Name: Petrogulf Number: 11-9V
County: LAS ANIMAS
Quarter: NE/NW Section: 9 Township: 33S Range: 67W Meridian: 6 Ground Elevation: 7692

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: 731 feet FNL, from North or South section line, and 1416 feet FWL, from East or West section line.
Latitude: 37.191780 Longitude: -104.897280 PDOP Reading: 4.3 Date of Measurement: 06/21/2011
Instrument Operator's Name: Ryan Coberly

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

Special Purpose Pits: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>1</u>	Wells: <input type="checkbox"/> <u>2</u>	Production Pits: <input type="checkbox"/> <u>2</u>	Dehydrator Units: <input type="checkbox"/>
Condensate Tanks: <input type="checkbox"/>	Water Tanks: <input type="checkbox"/>	Separators: <input type="checkbox"/> <u>2</u>	Electric Motors: <input type="checkbox"/>	Multi-Well Pits: <input type="checkbox"/>
Gas or Diesel Motors: <input type="checkbox"/> <u>2</u>	Cavity Pumps: <input type="checkbox"/> <u>2</u>	LACT Unit: <input type="checkbox"/>	Pump Jacks: <input type="checkbox"/>	Pigging Station: <input type="checkbox"/> <u>2</u>
Electric Generators: <input type="checkbox"/>	Gas Pipeline: <input type="checkbox"/> <u>2</u>	Oil Pipeline: <input type="checkbox"/>	Water Pipeline: <input type="checkbox"/> <u>2</u>	Flare: <input type="checkbox"/>
Gas Compressors: <input type="checkbox"/>	VOC Combustor: <input type="checkbox"/>	Oil Tanks: <input type="checkbox"/>	Fuel Tanks: <input type="checkbox"/>	

Other: _____

6. Construction:

Date planned to commence construction: 10/28/2011 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 01/28/2012 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7692 Will a closed loop system be used for drilling fluids: Yes No
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: 06/08/2011
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 Mgnt. Surety ID: _____

9. Cultural:

Is the location in a high density area (Rule 603.b.): Yes No
Distance, in feet, to nearest building: 1285, public road: 1240, above ground utilit: 1025
, railroad: 100200, property line: 256

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 be 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: GR - Gulnare-Rock Outcrop Complex 15 to 50% slopes, very stony

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: 06/21/2011
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: 460, water well: 2280, depth to ground water: 390
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 south of the well pad. Will submit the referenced photos within the next twelve months. The water well used to determine the static water level is number 0387895.

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

Signed: _____ Date: 07/28/2011 Email: Judy.Glinisty@pxd.com

Print Name: Judy Glinisty Title: Sr. 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: David S. Nashin Director of COGCC Date: 9/14/2011

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.

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

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 keep a release of drilling, completion, produced fluids, or chemical products from migrating off the oil and gas location.

Reference area pictures shall be provided to the COGCC within 12 months of approval of the form 2A

Attachment Check List

Att Doc Num	Name
2533326	CORRESPONDENCE
400190587	FORM 2A SUBMITTED
400190590	PROPOSED BMPs
400190591	ACCESS ROAD MAP
400190592	HYDROLOGY MAP
400190593	CONST. LAYOUT DRAWINGS
400190594	LOCATION DRAWING
400190595	MINERAL LEASE MAP
400190596	SURFACE PLAN
400190597	LOCATION PICTURES
400190598	LOCATION PICTURES
400190599	TOPO MAP
400190600	WELL LOCATION PLAT
400190601	MULTI-WELL PLAN
400190602	NRCS MAP UNIT DESC
400190603	CONST. LAYOUT DRAWINGS

Total Attach: 16 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Corrected distance to road per Paul Wilson, Pioneer. 9/12/2011	9/12/2011 9:46:28 AM
Permit	Email to J. Glinisty 9/8/2011 to verify distance to nearest road. Appears to be less than 1300 ft. to Timber Ridge Rd. NKP	9/8/2011 9:45:22 AM
OGLA	Ready to pass 8/19/2011.	3/1/2011 9:45:53 AM
OGLA	Prior to putting a production pit into service Pioneer shall submit an Earthen Pit Report/Permit Form 15 to the Director for approval in accordance with rule 903.a.. No fluids shall be placed in a pit without a pre-approved form 15.	3/1/2011 9:06:06 AM

Total: 4 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 the rain water/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 part of the location.
Material Handling and Spill Prevention	Spill response equipment shall be available in the event of a spill or release. Pioneer shall investigate spills to ensure proper clean up/remediation measures and required reporting protocol is implemented.

Interim Reclamation	All the areas of the location will be recoutoured to the original stage.
Storm Water/Erosion Control	Non-Structural Practices for Erosion and Sediment Control: Nonstructural BMPs include, but are not limited to: preservation of existing vegetation, vegetative buffer zones, slope roughening, and protection of trees.
Material Handling and Spill Prevention	Materials Handling and Spill Prevention: All drums and totes temporarily stored onsite shall be inspected regularly to ensure integrity. Secondary containment shall be utilized when necessary or required by SPCC regulations. Spill response equipment shall be available in the event of a spill or release. Onsite personnel are instructed to report all spills; Pioneer shall investigate all spills to ensure proper clean-up/remediation measures and required reporting protocol is implemented. Spill cleanup materials are onsite in the event of a release. All spills are reported according to state and federal requirements. After the construction of a well pad, and drilling and completion activities at a well have been completed only necessary production equipment is located onsite. This equipment typically includes the wellhead pump or pumpjack, small natural gas powered engine, a meter house. A lined (COGCC permitted) production pit is typically used for water disposal for each well that exists. Engine oil and produced water are the only potential pollutants that exist at a producing gas well. Well sites are visited frequently by lease operators; spills are reported and mitigated according to Pioneer policy and in accordance with applicable State and federal regulations.
Structural Practices	Structural Practices for Erosion and Sediment Control: Structural BMPs include, but are not limited to: diversion ditch, earthen berm, silt fence, straw bale, wattle (straw/mulch/bark), rip rap, bonded fiber matrix, erosion control blanket, coconut matting, slash, brush dam, sediment retention pond, and turnout.
General Housekeeping	Good housekeeping practices will be used to reduce the risk of spills or other accidental exposure of materials and substances to stormwater runoff. The following good housekeeping practices will be followed onsite during the construction project. <ul style="list-style-type: none"> • No solid materials, including building materials, shall be discharged to State waters. • Vehicular traffic will be minimized as much as possible to reduce nuisance dust and prevent further soil erosion. • Any trash generated during the project will be disposed of properly. • Any chemicals used will be kept to a minimum. Any chemical or oil spills will be cleaned up immediately in accordance with established company procedures. • Store all materials in a neat and orderly manner in their appropriate containers. • Follow manufacturers' recommendations and company policies for proper use and disposal of products. • Monitor on-site vehicles for leaks.
Drilling/Completion Operations	Waste Management and Disposal (Including Concrete Washout): A skid-mounted cage/dumpster is placed at a well pad during construction and is utilized while crews are onsite during drilling and completion activities. Upon completion of these activities the dumpster is removed from the site.

Total: 8 comment(s)