

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:
400089692

Oil and Gas Location Assessment

New Location Amend Existing Location Location#: 334228

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:
334228
Expiration Date:
10/06/2013

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: 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: HELTON Number: 33-27
County: LAS ANIMAS
Quarter: NWSE Section: 27 Township: 32S Range: 67W Meridian: 6 Ground Elevation: 7794
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: 1601 feet, from North or South section line: FSL and 2400 feet, from East or West section line: FEL
Latitude: 37.226480 Longitude: -104.874320 PDOP Reading: 5.6 Date of Measurement: 08/19/2010
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: <input type="checkbox"/>	Drilling Pits: <input type="checkbox"/> <u>2</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: 03/15/2011 Size of disturbed area during construction in acres: 1.00
Estimated date that interim reclamation will begin: 06/15/2011 Size of location after interim reclamation in acres: 0.50
Estimated post-construction ground elevation: 7794 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: 06/18/2007
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 X 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 X
Distance, in feet, to nearest building: 2475 , public road: 2049 , above ground utilit: 2025
, railroad: 90300 , property line: 234

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: 08/19/2010

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: 300, water well: 2275, depth to ground water: 48

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 north of the well pad. The water well used to determine the static water level is #0215036

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

Signed: _____ Date: 09/08/2010 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. Neslin

COGCC Approved: _____

Director of COGCC

Date: 10/7/2010

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.

Location is on steep slopes; therefore the cut and fill slopes should be constructed in such a manner to manage site drainage and slope stability. Both any new slopes and existing slopes should be stabilized immediately after the location has been constructed.

Location is in a sensitive area because of potential for adverse impacts to groundwater; therefore all pits should be lined.

Pits shall be placed in the cut as shown on the provided Construction Layout Drawings not in a fill area.

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 protect the drainage located 300 feet to the South-East of the oil and gas location from a release of drilling, completion, produced fluids, and chemical products.

Attachment Check List

Att Doc Num	Name	Doc Description
2085570	CORRESPONDENCE	LF@2540232 2085570
400089692	FORM 2A SUBMITTED	LF@2538944 400089692
400089711	ACCESS ROAD MAP	LF@2538945 400089711
400089712	HYDROLOGY MAP	LF@2538946 400089712
400089713	CONST. LAYOUT DRAWINGS	LF@2538947 400089713
400089714	LOCATION DRAWING	LF@2538948 400089714
400089715	LOCATION PICTURES	LF@2538949 400089715
400089716	LOCATION PICTURES	LF@2538950 400089716
400089717	CONSULT NOTICE	LF@2538951 400089717
400089718	SURFACE AGRMT/SURETY	LF@2538952 400089718
400089719	SURFACE AGRMT/SURETY	LF@2538953 400089719
400089720	SURFACE AGRMT/SURETY	LF@2538954 400089720
400089721	SURFACE AGRMT/SURETY	LF@2538955 400089721
400089722	SURFACE AGRMT/SURETY	LF@2538956 400089722
400089723	TOPO MAP	LF@2538957 400089723
400089724	WELL LOCATION PLAT	LF@2538958 400089724
400089725	PROPOSED BMPs	LF@2538959 400089725
400089726	NRCS MAP UNIT DESC	LF@2538960 400089726

Total Attach: 18 Files

General Comments

User Group	Comment	Comment Date
Permit	PERMITTING PASSED	10/6/2010 10:46:54 AM
OGLA	Ready to pass 9/30/2010	9/13/2010 9:08:48 AM
OGLA	Upon review the closest surface water to 300 feet instead of 1780 feet with the operators consent.. 4 COAs due to slopes, soil type, erosion control and surface water.	9/10/2010 9:24:33 AM

Total: 3 comment(s)

Error: Subreport could not be shown.