

**FORM
2A**Rev
04/01State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



DE ET OE ES

Document Number:

400004723

Oil and Gas Location Assessment☒ New Location ☐ Amend Existing Location Location#: _____

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:

414385

Expiration Date:

11/04/2012☐ 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. OperatorOperator Number: 10084Name: PIONEER NATURAL RESOURCES USA INCAddress: 1401 17TH ST STE 1200City: DENVER State: CO Zip: 80202**3. Contact Information**Name: Georgina KovacicPhone: (303) 675-2611Fax: (303) 294-1251email: georgina.kovacik@pxd.com**4. Location Identification:**Name: R&S SmithNumber: 33-1County: LAS ANIMASQuarterQuarter: NW/SE Section: 1 Township: 33S Range: 66W Meridian: 6 Ground Elevation: 7068

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: 1667 feet, from North or South section line: FSL and 1948 feet, from East or West section line: FELLatitude: 37.197560 Longitude: -104.728940 PDOP Reading: 2.0 Date of Measurement: 12/03/2007**5. Facilities (Indicate the number of each type of oil and gas facility planned on location):**

Special Purpose Pits:	<u>0</u>	Drilling Pits:	<u>1</u>	Wells:	<u>1</u>	Production Pits:	<u>1</u>	Dehydrator Units:	<u>0</u>
Condensate Tanks:	<u>0</u>	Water Tanks:	<u>1</u>	Separators:	<u>0</u>	Electric Motors:	<u>0</u>	Multi-Well Pits:	<u>0</u>
Gas or Diesel Motors:	<u>0</u>	Cavity Pumps:	<u>1</u>	LACT Unit:	<u>0</u>	Pump Jacks:	<u>0</u>	Pigging Station:	<u>0</u>
Electric Generators:	<u>0</u>	Gas Pipeline:	<u>1</u>	Oil Pipeline:	<u>0</u>	Water Pipeline:	<u>1</u>	Flare:	<u>0</u>
Gas Compressors:	<u>0</u>	VOC Combustor:	<u>0</u>	Oil Tanks:	<u>0</u>	Fuel Tanks:	<u>0</u>		

Other: _____

6. Construction:

Date planned to commence construction: 03/10/2010 Size of disturbed area during construction in acres: 3.50
Estimated date that interim reclamation will begin: 09/10/2010 Size of location after interim reclamation in acres: 1.00
Estimated post-construction ground elevation: 7068 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: 11/07/2007
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 executor 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: 2004 ☐ 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: 2000, public road: 2000, above ground utilit: 3980
, railroad: 27825, property line: 917

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: Lorencito-Rombo-Sarcillo Complex. 25 to 65% 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: 12/03/2007

List individual species: Grasses, Cactus, Oak Brush

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: 747, water well: 4140, depth to ground water: 80

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 Supply 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 are is adjacent to and north of the well pad. (per g.k. email 10/30/09)

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

Signed: _____ Date: 10/05/2009 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. Nash

COGCC Approved: _____ Director of COGCC Date: 11/5/2009

Attachment Check List

Att Doc Num	Name	Doc Description
1784530	CORRESPONDENCE	LF @2174483 1784530
400005290	NRCS MAP UNIT DESC	LF @2156949 400005290
400005291	LOCATION PICTURES	LF @2156950 400005291
400005293	LOCATION PICTURES	LF @2156951 400005293
400005297	HYDROLOGY MAP	LF @2156952 400005297
400005298	ACCESS ROAD MAP	LF @2156953 400005298
400005299	CONST. LAYOUT DRAWINGS	LF @2156954 400005299
400005300	CONST. LAYOUT DRAWINGS	LF @2156955 400005300
400005301	SURFACE AGRMT/SURETY	LF @2156956 400005301
400005519	PROPOSED BMPs	LF @2156957 400005519
400008321	LOCATION DRAWING	LF @2156958 400008321
400008335	FORM 2A APPROVED	400008335.pdf
400015975	FORM 2A SUBMITTED	LF @2156959 400015975

Total Attach: 13 Files