

**FORM
2A**Rev
08/13**State of Colorado
Oil and Gas Conservation Commission**1120 Lincoln Street, Suite 801, Denver, Colorado 80203
Phone: (303) 894-2100 Fax: (303) 894-2109

Document Number:

400469950

Date Received:

08/20/2013

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

Submit signed original form. This Oil and Gas Location Assessment is to be submitted to the COGCC for approval prior to any ground disturbance activity associated with oil and gas operations. Approval of this Oil and Gas Location 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. Please see the COGCC website at <http://cogcc.state.co.us/> for all accompanying information pertinent this Oil and Gas Location Assessment.

Location ID:

434830

Expiration Date:

10/22/2016☒ This location assessment is included as part of a permit application.**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.

Operator

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

Contact Information

Name: Joy Ziegler
Phone: (303) 675-2663
Fax: (303) 294-1275
email: joy.ziegler@pxd.com

RECLAMATION FINANCIAL ASSURANCE

☒ Plugging and Abandonment Bond Surety ID: 20040083 ☐ Gas Facility Surety ID: _____
☐ Waste Management Surety ID: _____

LOCATION IDENTIFICATION

Name: San Pablo Number: 11-4 WD
County: LAS ANIMAS
QuarterQuarter: NWNW Section: 4 Township: 33S Range: 67W Meridian: 6 Ground Elevation: 7534
Define a single point as a location reference for the facility location. When the location is to be used as a well site then the point shall be a well location.
Footage at surface: 528 feet FNL from North or South section line
990 feet FWL from East or West section line
Latitude: 37.206340 Longitude: -104.898530
PDOP Reading: 5.3 Date of Measurement: 07/31/2013
Instrument Operator's Name: Norman Scott Weese

RELATED REMOTE LOCATIONS

(Enter as many Related Locations as necessary. Enter the Form 2A document # only if there is no established COGCC Location ID#)

This proposed Oil and Gas Location is:

LOCATION ID # FORM 2A DOC #

FACILITIES

Indicate the number of each type of oil and gas facility planned on location

Wells	1	Oil Tanks		Condensate Tanks		Water Tanks	2	Buried Produced Water Vaults	
Drilling Pits	1	Production Pits		Special Purpose Pits	1	Multi-Well Pits		Temporary Large Volume Above Ground Tanks	
Pump Jacks		Separators		Injection Pumps		Cavity Pumps			
Gas or Diesel Motors		Electric Motors	1	Electric Generators	1	Fuel Tanks		Gas Compressors	
Dehydrator Units		Vapor Recovery Unit		VOC Combustor		Flare		LACT Unit	
								Pigging Station	

OTHER FACILITIES

Other Facility Type

Number

6" DR7 4710 Poly Wtr line	1
Filters - 50 MM	3
2" Poly Gas Line	1

Per Rule 303.b.(3)C, description of all oil, gas, and/or water pipelines:

Water Pipeline: 6" DR7 4710 Poly water line running to 4" & 2" gathering system.
Gas Line: 2" DR11 4710 Poly gas line running from 10" low pressure trunk line.

CONSTRUCTION

Date planned to commence construction: 10/21/2013 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 06/01/2014 Size of location after interim reclamation in acres: 1.30
Estimated post-construction ground elevation: 7530

DRILLING PROGRAM

Will a closed loop system be used for drilling fluids: No

Is H₂S anticipated? No

Will salt sections be encountered during drilling: No

Will salt based mud (>15,000 ppm Cl) be used? No

Will oil based drilling fluids be used? _____

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Method: Evaporation

Cutting Disposal: _____ Cuttings Disposal Method: _____

Other Disposal Description:

Beneficial reuse or land application plan submitted? _____

Reuse Facility ID: _____ or Document Number: _____

Centralized E&P Waste Management Facility ID, if applicable: _____

SURFACE & MINERALS & RIGHT TO CONSTRUCT

Name: _____

Phone: _____

Address: _____

Fax: _____

Address: _____

Email: _____

City: _____ State: _____ Zip: _____

Surface Owner: ☒ Fee ☐ State ☐ Federal ☐ Indian

Check all that apply. The Surface Owner: ☒ is the mineral owner

☐ is committed to an oil and Gas Lease

☐ has signed the Oil and Gas Lease

☒ is the applicant

The Mineral Owner beneath this Oil and Gas Location is: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Minerals beneath this Oil and Gas Location will be developed from or produced to this Oil and Gas Location: _____

The right to construct this Oil and Gas Location is granted by: applicant is owner

Surface damage assurance if no agreement is in place: _____ Surface Surety ID: _____

Date of Rule 306 surface owner consultation 07/16/2013

CURRENT AND FUTURE LAND USE

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

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

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 1876 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 200 Feet
Above Ground Utility: 252 Feet
Railroad: 5280 Feet
Property Line: 318 Feet

INSTRUCTIONS:

- All measurements shall be provided from center of nearest Well or edge of nearest Production Facility to nearest of each cultural feature as described in Rule 303.b.(3)A.
- Enter 5280 for distance greater than 1 mile.
- Building - nearest building of any type. If nearest Building is a Building Unit, enter same distance for both.
- Building Unit, High Occupancy Building Unit, and Designated Outside Activity Area - as defined in 100-Series Rules.

DESIGNATED SETBACK LOCATION INFORMATION

Check all that apply. This location is within a: ☐ Buffer Zone
☐ Exception Zone
☐ Urban Mitigation Area

- Buffer Zone - as described in Rule 604.a.(2), within 1,000' of a Building Unit.
- Exception Zone - as described in Rule 604.a.(1), within 500' of a Building Unit.
- Urban Mitigation Area - as defined in 100-Series Rules.

Pre-application Notifications (required if location is within 1,000 feet of a building unit):

Date of Rule 305.a.(1) Urban Mitigation Area Notification to Local Government: _____

Date of Rule 305.a.(2) Buffer Zone Notification to Building Unit Owners: _____

SOIL

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.org/> 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 (GA)

NRCS Map Unit Name: _____

NRCS Map Unit Name: _____

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: _____

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): _____

WATER RESOURCES

Is this a sensitive area: ☒ No ☐ Yes

Distance to nearest

downgradient surface water feature: 555 Feet

water well: 1013 Feet

Estimated depth to ground water at Oil and Gas Location 30 Feet

Basis for depth to groundwater and sensitive area determination:

Is the location in a riparian area: ☒ No ☐ Yes

Was an Army Corps of Engineers Section 404 permit filed ☒ No ☐ Yes If yes attach permit.

Is the location within a Rule 317B Surface Water Supply Area buffer No 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: _____

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule _____

DESIGNATED SETBACK LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 604.a.(1)A. Exception Zone (within 500' of Building Unit)
- ☐ Rule 604.b.(1)A. Exception Location (existing or approved Oil & Gas Location now within a Designated Setback as a result of Rule 604.a.)
- ☐ Rule 604.b.(1)B. Exception Location (existing or approved Oil & Gas Location is within a Designated Setback due to Building Unit construction after Location approval)
- ☐ Rule 604.b.(2) Exception Location (SUA or site-specific development plan executed on or before August 1, 2013)
- ☐ Rule 604.b.(3) Exception Location (Building Units constructed after August 1, 2013 within setback per an SUA or site-specific development plan)

RULE 502.b VARIANCE REQUEST

- ☐ Rule 502.b. Variance Request from COGCC Rule or Spacing Order Number _____

ALL exceptions and variances require attached Request Letter(s). Refer to applicable rule for additional required attachments (e.g. waivers, certifications, SUAs).

OPERATOR COMMENTS AND SUBMITTAL

Comments

The well is to be drilled for the purpose of a water disposal well. Copies of Form 26, 31, & 33 and all attachments will be hand delivered the same day the 2 and 2A are filed.

Form 2 (Document No. 400469753 will be submitted along with 2A -

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

Signed: _____ Date: 08/20/2013 Email: joy.ziegler@pxd.com

Print Name: Joy Ziegler Title: Lead 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: 10/23/2013

Conditions Of Approval

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.

COA Type

Description

	Special purpose pit shall be constructed and managed in accordance with provisions detailed in Form 15, Earthen Pit Permit/Report.
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Best Management Practices

No BMP/COA Type

Description

1	Storm Water/Erosion Control	Note: Pioneers complete BMP is too extensive for this form and is on file at Pioneer's Denver Office. Following is a summary of the plan: 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.
2	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 & required reporting protocol is implemented.
3	Interim Reclamation	All the areas of the location will be contoured to the original stage

Total: 3 comment(s)

Attachment Check List

Att Doc Num

Name

2086376	CONST. LAYOUT DRAWINGS
2086386	LOCATION DRAWING
2086387	CORRESPONDENCE
400469950	FORM 2A SUBMITTED
400470051	ACCESS ROAD MAP
400470054	HYDROLOGY MAP A, TOPO
400470055	FACILITY LAYOUT DRAWING
400470064	NRCS MAP UNIT DESC
400470066	LOCATION PICTURES
400470069	LOCATION PICTURES
400470071	LOCATION DRAWING
400470076	WELL LOCATION PLAT

Total Attach: 12 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	10/16/2013 9:18:25 AM
OGLA	operator provided new location drawing to replace drawing with +/- 200 feet distance listed to overhead utility. distance to overhead power line ALSO changed to 252 feet on the form	10/7/2013 12:59:27 PM
OGLA	Operator submitted Const. layout and cross sections for construction on >10% slope - attached	9/27/2013 10:30:24 AM
OGLA	Per conversation with operator - plan is to convert drilling pit to special purpose pit for temporary overflow if it is determined necessary based on production. Drilling pit will be lined. Operator plans to submit Form 15 for this pit. Operator will field verify 200' distance to road and utility. Operator will verify slope percentage - appears to be >10% on topo. Operator will submit new location drawing with 500' improvement buffer (400' was submitted).	9/10/2013 10:16:45 AM
Permit	Water disposal permits received.	8/29/2013 5:18:00 AM
Permit	Returned to draft. Form was completed in the old style and not updated. No review made.	8/21/2013 2:32:23 PM

Total: 6 comment(s)