

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:

400535494

Date Received:

01/10/2014

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:

437235

Expiration Date:

05/17/2017

☒ 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: Montoya Number: 12-7 WD

County: LAS ANIMAS

QuarterQuarter: SWNW Section: 7 Township: 33S Range: 67W Meridian: 6 Ground Elevation: 7813

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: 2163 feet FNL from North or South section line

672 feet FWL from East or West section line

Latitude: 37.187280 Longitude: -104.935000

PDOP Reading: 3.1 Date of Measurement: 01/26/2010

Instrument Operator's Name: N. Segotta

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	1	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

Filters - 50 um	3
6" DR7 4710 Poly Water line	1
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: 04/01/2014 Size of disturbed area during construction in acres: 2.00
Estimated date that interim reclamation will begin: 10/01/2014 Size of location after interim reclamation in acres: 1.50
Estimated post-construction ground elevation: _____

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? No

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Method: Evaporation

Cutting Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

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: Patricia L. Montoya

Phone: 719-868-2219

Address: 11897 Highway 12

Fax: _____

Address: _____

Email: ranchomontoya@yahoo.com

City: Weston State: CO Zip: 81091

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: No

The right to construct this Oil and Gas Location is granted by: Surface Use Agreement

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

Date of Rule 306 surface owner consultation 06/19/2013

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: 1643 Feet
Building Unit: 5280 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 2200 Feet
Above Ground Utility: 1390 Feet
Railroad: 5280 Feet
Property Line: 499 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: VD - Dargol-Stout-Vamer Complex, 1-9% slopes

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: 11/13/2013

List individual species: _____

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: 690 Feet

water well: 1732 Feet

Estimated depth to ground water at Oil and Gas Location 80 Feet

Basis for depth to groundwater and sensitive area determination:

Nearest WW information & topography

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: No

GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

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 Form 2 (document No. 400535123) & 2A are filed.

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

Signed: _____ Date: 01/10/2014 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: 5/18/2014

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.

<u>COA Type</u>	<u>Description</u>
	Drilling and Special Purpose Pits shall be permitted or reported as required by Rule 903.
	Operator shall conduct sufficient geotechnical analysis to ensure that the closed pit will support any loads or operations associated with the drilling and operation of this injection well and associated facilities if such loads or operations are located within the footprint of the closed pit.
	Construction of this pad must not compromise the minimum required cover of the closed pit.
	Operator shall provide a reference area map and photos in accordance with Rule 303.b. (3)G.ii.

Best Management Practices

<u>No</u>	<u>BMP/COA Type</u>	<u>Description</u>
1	Storm Water/Erosion Control	Note: Pioneer's 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

<u>Att Doc Num</u>	<u>Name</u>
1668205	GEOLOGIC MAPS
2518963	SURFACE AGRMT/SURETY
400535494	FORM 2A SUBMITTED
400535830	ACCESS ROAD MAP
400535832	HYDROLOGY MAP A, TOPO
400536204	LOCATION PICTURES
400536206	LOCATION PICTURES
400536225	NRCS MAP UNIT DESC
400536816	FACILITY LAYOUT DRAWING
400536896	ACCESS ROAD MAP
400536897	OTHER
400536908	LOCATION DRAWING
400536917	AERIAL PHOTO OF LOCATION
400536919	PLAT

Total Attach: 14 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Final review completed; no LGD or public comment received.	5/8/2014 11:57:16 AM
Permit	Operator has requested that Morrison Fm be added to objectives. Form 31 and 33 being revised. Public notice being sent out.	5/5/2014 6:54:42 AM
OGLA	Operated stated in April 23, 2014 email that a "Geotechnical Investigation was done by Michael W. West & Associates, Inc., February 15, 2010 – Project No. 10915."	5/2/2014 2:44:35 PM
OGLA	Although operator has indicated that the current and future land use for this location is rangeland and the plant communities are disturbed grassland and native grassland, this is a previously disturbed oil and gas location (evaporation pit) in moderately dense timber and the grasses have been planted during the reclamation of the previous disturbance. Based on the May 1, 2014 discussion with the Reclamation Supervisor, reclamation back to rangeland will be acceptable.	4/3/2014 5:07:22 PM
OGLA	This is the site of a former large pit associated with the production of the Montoya 12-7 well or wells to the north. The pit was closed under remediation project #7627.	4/3/2014 4:58:31 PM
Permit	Attached SUA agreement.	2/20/2014 6:52:00 AM
Permit	Surface Use Agreement not attached to form 2A and the SUA attached to the form 2 is not signed.	2/19/2014 10:03:15 AM
Permit	Clarification on surface owner able to sign a lease and is not the mineral owner. Operator revised to surface owner is the mineral owner.	2/19/2014 7:12:44 AM
Permit	Passed completeness.	1/13/2014 12:35:24 PM

Total: 9 comment(s)