



## LEASE INFORMATION

Using standard QtrQtr, Sec, Twp, Rng format, describe one entire mineral lease that will be produced by this well (Describe lease beneath surface location if produced. Attach separate description page or map if necessary.)

Total Acres in Described Lease: 40 Described Mineral Lease is: ☒ Fee ☐ State ☐ Federal ☐ Indian  
Federal or State Lease # \_\_\_\_\_  
Distance from Completed Portion of Wellbore to Nearest Lease Line of described lease: 318 Feet

## 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: 200 Feet  
Railroad: 5280 Feet  
Property Line: 318 Feet

### INSTRUCTIONS:

- All measurements shall be provided from center of the Proposed Well to nearest of each cultural feature as described in Rule 303.a.(5).
- 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: \_\_\_\_\_

## SPACING and UNIT INFORMATION

Distance from Completed Portion of Wellbore to Nearest Wellbore Permitted or Completed in the same formation: 5280 Feet  
Distance from Completed Portion of Wellbore to Nearest Unit Boundary 528 Feet (Enter 5280 for distance greater than 1 mile.)  
Federal or State Unit Name (if appl): \_\_\_\_\_ Unit Number: \_\_\_\_\_

## SPACING & FORMATIONS COMMENTS

## OBJECTIVE FORMATIONS

| Objective Formation(s) | Formation Code | Spacing Order Number(s) | Unit Acreage Assigned to Well | Unit Configuration (N/2, SE/4, etc.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
| DAKOTA                 | DKTA           |                         |                               |                                      |
| ENTRADA                | ENRD           |                         |                               |                                      |

## DRILLING PROGRAM

Proposed Total Measured Depth: 7052 Feet  
Distance to nearest permitted or existing wellbore penetrating objective formation: 31680 Feet (Including plugged wells)  
Will a closed-loop drilling system be used? No  
Is H<sub>2</sub>S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? No (If Yes, attach an H<sub>2</sub>S Drilling Operations Plan)

Will salt sections be encountered during drilling? No

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

Will oil based drilling fluids be used? No

BOP Equipment Type: ☐ Annular Preventor ☐ Double Ram ☒ Rotating Head ☐ None

## GROUNDWATER BASELINE SAMPLING AND MONITORING AND WATER WELL SAMPLING

Water well sampling required per Rule 609

## DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: ONSITE Drilling Fluids Disposal Methods: Evaporation

Cuttings Disposal: OFFSITE Cuttings Disposal Method: Commercial Disposal

Other Disposal Description:

Beneficial reuse or land application plan submitted?

Reuse Facility ID:  or Document Number:

## CASING PROGRAM

| Casing Type | Size of Hole | Size of Casing | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| CONDUCTOR   | 20+1/8       | 20             | 94    | 0             | 20            |           |         |         |
| SURF        | 17+1/2       | 13+3/8         | 48    | 0             | 640           | 367       | 640     | 0       |
| 2ND         | 12+1/4       | 9+5/8          | 36    | 0             | 2554          | 309       | 2554    | 590     |
| 3RD         | 8+3/4        | 7              | 23    | 0             | 7052          | 79        | 7052    | 6000    |

☐ Conductor Casing is NOT planned

## 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)

## GREATER WATTENBERG AREA LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318A.a. Exception Location (GWA Windows).
- ☐ Rule 318A.c. Exception Location (GWA Twinning).

## RULE 502.b VARIANCE REQUEST

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

## OTHER LOCATION EXCEPTIONS

Check all that apply:

- ☐ Rule 318.c. Exception Location from Rule or Spacing Order Number \_\_\_\_\_
- ☐ Rule 603.a.(2) Exception Location (Property Line Setback).

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

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

Note: The actual conductor casing hole size is 20". Pioneer increased the conductor hole size by 1/8" to accommodate the eForm reporting system at the request of the COGCC.

This application is in a Comprehensive Drilling Plan \_\_\_\_\_ CDP #: \_\_\_\_\_

Location ID: \_\_\_\_\_

Is this application being submitted with an Oil and Gas Location Assessment application? \_\_\_\_\_ Yes

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

Signed: \_\_\_\_\_ Print Name: Joy Ziegler

Title: Lead Engineering Tech. Date: 8/20/2013 Email: joy.ziegler@pxd.com

Operator must have a valid water right or permit allowing for industrial use or purchased water from a seller that has a valid water right or permit allowing for industrial use, otherwise an application for a change in type of use is required under Colorado law. Operator must also use the water in the location set forth in the water right decree or well permit, otherwise an application for a change in place of use is required under Colorado law. Section 37-92-103(5), C.R.S. (2011).

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

Expiration Date: 10/22/2015

### API NUMBER

05 071 09916 00

## Conditions Of Approval

All representations, stipulations and conditions of approval stated in the Form 2A for this location shall constitute representations, stipulations and conditions of approval for this Form 2 Permit-to-Drill and are enforceable to the same extent as all other representations, stipulations and conditions of approval stated in this Permit-to-Drill.

### COA Type

### Description

- 1) Provide 48 hour notice of prior to spud via electronic Form 42.
- 2) Set intermediate casing at least 200' below base of Trinidad formation. Cement from TD to 50' above surface casing shoe. Verify with CBL.
- 3) Provide cement coverage of production casing from TD to 200' above Dakota. Verify with CBL.
- 4) Immediately cease operations and notify the COGCC in the event of any operational problem that could potentially impact water wells in the area.
- 5) Approval of COGCC Form 31 and 33 required prior to injection.
- 6) Prior approval of Form 4 is required for step rate and injectivity tests.
- 7) Retrieve water sample before stimulating formation.

## Best Management Practices

| <u>No</u> | <u>BMP/COA Type</u>                    | <u>Description</u>   |
|-----------|--|--|
| 1         | Storm Water/Erosion Control            | Note: Pioneers complete BMP is too extensive for this form and is on file at the Pioneer's Denver Office. Following is a summary of the plan:<br><br>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>             |
|--------------------|-------------------------|
| 400469753          | FORM 2 SUBMITTED        |
| 400469808          | CONSULT NOTICE          |
| 400469810          | LEGAL/LEASE DESCRIPTION |
| 400469812          | 30 DAY NOTICE LETTER    |
| 400469814          | OTHER                   |
| 400469823          | PLAT                    |

Total Attach: 6 Files

## General Comments

| <u>User Group</u> | <u>Comment</u>  | <u>Comment Date</u>      |
|-------------------|---|--------------------------|
| Permit            | Final review completed; no LGD or public comment received.                              | 10/23/2013<br>1:21:57 PM |
| Permit            | Water disposal permits received. Distance to lease line legal.                          | 8/29/2013<br>5:18:55 AM  |
| Permit            | Well would inject water less than 300 feet from lease line.                             | 8/23/2013<br>6:55:31 AM  |
| Permit            | Returned to draft. Form was completed in the old style and not updated. No review made. | 8/21/2013<br>2:33:41 PM  |

Total: 4 comment(s)