

FORM
2

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:

400519755

APPLICATION FOR PERMIT TO:

☐ Drill ☐ Deepen ☒ Re-enter ☐ Recomplete and Operate

Date Received:

12/10/2013

TYPE OF WELL OIL ☐ GAS ☐ COALBED ☐ OTHER Re-Plug

Refilling ☐

ZONE TYPE SINGLE ZONE ☐ MULTIPLE ZONES ☐ COMMINGLE ZONES ☐

Sidetrack ☐

Well Name: Don Anderson

Well Number: 1

Name of Operator: PDC ENERGY INC

COGCC Operator Number: 69175

Address: 1775 SHERMAN STREET - STE 3000

City: DENVER State: CO Zip: 80203

Contact Name: Christine Brookshire

Phone: (303)860-5800

Fax: (303)860-5838

Email: christine.brookshire@pdce.com

RECLAMATION FINANCIAL ASSURANCE

Plugging and Abandonment Bond Surety ID: 20090078

WELL LOCATION INFORMATION

QtrQtr: NENW Sec: 34 Twp: 7N Rng: 66W Meridian: 6

Latitude: 40.536793

Longitude: -104.766703

Footage at Surface: 660 feet FNL/FSL FNL 2085 feet FEL/FWL FWL

Field Name: WILDCAT

Field Number: 99999

Ground Elevation: 4929

County: WELD

GPS Data:

Date of Measurement: 03/21/2001 PDOP Reading: 6.0 Instrument Operator's Name: COGCC Website

If well is ☐ Directional ☐ Horizontal (highly deviated) **submit deviated drilling plan.**

Footage at Top of Prod Zone: FNL/FSL FEL/FWL Bottom Hole: FNL/FSL FEL/FWL

Sec: Twp: Rng: Sec: Twp: Rng:

LOCATION SURFACE & MINERALS & RIGHT TO CONSTRUCT

Surface Ownership: ☒ Fee ☐ State ☐ Federal ☐ Indian

The Surface Owner is: ☐ is the mineral owner beneath the location.
(check all that apply) ☐ 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 by this Well:

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

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

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: 0 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: Feet

CULTURAL DISTANCE INFORMATION

Distance to nearest:

Building: 947 Feet
Building Unit: 947 Feet
High Occupancy Building Unit: 5280 Feet
Designated Outside Activity Area: 5280 Feet
Public Road: 674 Feet
Above Ground Utility: 682 Feet
Railroad: 5280 Feet
Property Line: 947 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: Feet

Distance from Completed Portion of Wellbore to Nearest Unit Boundary 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.) |
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|
|------------------------|----------------|-------------------------|-------------------------------|--------------------------------------|

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|--|--|--|--|--|

DRILLING PROGRAM

Proposed Total Measured Depth: 9251 Feet

Distance to nearest permitted or existing wellbore penetrating objective formation: Feet (Including plugged wells)

Will a closed-loop drilling system be used? Yes

Is H₂S gas reasonably expected to be encountered during drilling operations at concentrations greater than or equal to 100 ppm? (If Yes, attach an H₂S Drilling Operations Plan)

Will salt sections be encountered during drilling?

Will salt based (>15,000 ppm Cl) drilling fluids be used? _____

Will oil based drilling fluids be used? _____

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 _____ N/A

DRILLING WASTE MANAGEMENT PROGRAM

Drilling Fluids Disposal: _____ Drilling Fluids Disposal Methods: _____

Cuttings Disposal: _____ Cuttings Disposal Method: _____

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 |
|-------------|--------------|----------------|-------|---------------|---------------|-----------|---------|---------|
| SURF | 11 | 10+3/4 | 40 | 0 | 396 | 200 | 396 | 0 |

☐ 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

PDC Energy intends to re-enter & re-plug this well in accordance with current COGCC standards. This borehole is on a current PDC Energy lease that has a current surface use agreement. Re-plugging this well is necessary to ensure wellbore integrity during frac operations while developing this lease. Surface owner will be consulted prior to any operations.

Plugging Procedure

Lyons

PBTD: 9253'

8 5/8" 24# @ 441' W/ 350 sks cmt.

4 1/2" 11.6# @ 7490' w/ 250 sks cmt

Procedure:

- 1)MIRU Excavation crew
- 2)Locate and dig up old wellhead
- 3)Cut old casing and weld new casing stub to bring to surface, fill in hole
- 4)MIRU workover rig
- 5)RIH w/ bit, tag and drill through surface plug
- 6)RIH to clean out to J-Sand (7848')
- 7)Set 150 sack plug above J-Sand (7848')
- 8)TIH to tag J-Sand Plug
- 9)TOH to set 200 sack plug to cover Codell to 500' above Nio (6557'-7375')
- 10) TOH to set 200 sack plug @ Parkman/Sussex (3871'-4988')
- 11)TOH and cement 500' to surface
- 12)Set 10 sx @ top of surface
- 13)Cut casing and weld on cap

This application is in a Comprehensive Drilling Plan _____ CDP #: _____

Location ID: 404993

Is this application being submitted with an Oil and Gas Location Assessment application? No

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

Signed: _____ Print Name: Christine Brookshire

Title: Regulatory Tech Date: 12/10/2013 Email: christine.brookshire@pdce.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: 1/3/2014

Expiration Date: 01/02/2016

API NUMBER

05 123 05301 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

| | |
|--|--|
| | Plugging Procedure Lyons PBSD: 9253' 8 5/8" 24# @ 441' W/ 350 sks cmt. 4 1/2" 11.6# @ 7490' w/ 250 sks cmt Procedure: 1)MIRU Excavation crew 2)Locate and dig up old wellhead 3)Cut old casing and weld new casing stub to bring to surface, fill in hole 4)MIRU workover rig 5)RIH w/ bit, tag and drill through surface plug 6)RIH to clean out to J-Sand (7848') 7)Set 150 sack plug above J-Sand (7848') 8)TIH to tag J-Sand Plug 9)TOH to set 200 sack plug to cover Codell to 500' above Nio (6557'-7375') 10) TOH to set 200 sack plug @ Parkman/Sussex (3871'-4988') 11)TOH and cement 500' to surface 12)Set 10 sx @ top of surface 13)Cut casing and weld on cap |
| | Contact Field Inspector Jason Gomez (970) 573-1277 48 hours prior to MIRU of drilling equipment and notify him specifically of the re-enter to replug nature of this procedure. |

Best Management Practices

No BMP/COA Type

Description

| | | |
|---|----------|--|
| 1 | Planning | PDC Energy will obtain well GPS data and submit on a form 6 Subsequent Report. Data submitted on form is from the COGCC database. |
|---|----------|--|

Total: 1 comment(s)

Attachment Check List

Att Doc Num

Name

| | |
|-----------|-----------------------------|
| 400519755 | FORM 2 SUBMITTED |
| 400521962 | SURFACE AGRMT/SURETY |
| 400524429 | WELLBORE DIAGRAM |
| 400524430 | WELLBORE DIAGRAM |
| 400524431 | PROPOSED PLUGGING PROCEDURE |

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

| | | |
|--------|---|---------------------------|
| Permit | Entered proposed plugging procedure into operator comment box. Checked 'yes' for closed loop system being used. Distance to nearest well permitted/completed in same formation, and distance to nearest well penetrating the same formation are ok to be blank. No record of completed zone(s). Removed Variance Request letter to waive 20 day comment period and unchecked 502.b Variance box. Ok'd by operator. | 12/23/2013 11:15:58 AM |
| Permit | Passed completeness. | 12/11/2013 2:27:40 PM |

Total: 2 comment(s)