FORM 6 Rev 11/20

# State of Colorado
# Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

| DE | ET | OE | ES |
|---|---|---|---|
| | | | |

Document Number: 402561303

Date Received:

## WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.
A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 69175 Contact Name: Valerie Danson

Name of Operator: PDC ENERGY INC Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000 Fax:

City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com

**For "Intent" 24 hour notice required, COGCC contact:** Name: Evins, Bret Tel: (970) 420-6699 Email: bret.evins@state.co.us

Type of Well Abandonment Report: [X] Notice of Intent to Abandon [ ] Subsequent Report of Abandonment

API Number 05-123-23589-00

Well Name: PHINNEY Well Number: 34-10

Location: QtrQtr: SWSE Section: 10 Township: 6N Range: 64W Meridian: 6

County: WELD Federal, Indian or State Lease Number:

Field Name: WATTENBERG Field Number: 90750

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.494810 Longitude: -104.534500

GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: Date of Measurement: 12/14/2006

Reason for Abandonment: [ ] Dry [X] Production Sub-economic [ ] Mechanical Problems

[ ] Other

Casing to be pulled: [X] Yes [ ] No Estimated Depth: 2500

Fish in Hole: [ ] Yes [X] No If yes, explain details below

Wellbore has Uncemented Casing leaks: [ ] Yes [X] No If yes, explain details below

Details:

## Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|---|---|---|---|---|---|
| CODELL | 6950 | 6960 | | | |

Total: 1 zone(s)

## Casing History

| Casing Type | Size of Hole | Size of Casing | Grade | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top | Status |
|---|---|---|---|---|---|---|---|---|---|---|
| SURF | 12+1/4 | 8+5/8 | J55 | 24 | 0 | 578 | 410 | 578 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | J55 | 10.5 | 0 | 7103 | 445 | 7103 | 2730 | CBL |

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

# Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6900 with 2 sacks cmt on top. CIPB #2: Depth 6584 with 2 sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #4: Depth _____ with _____ sacks cmt on top.

CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 100 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐

Set 100 sks cmt from 1680 ft. to 1480 ft. Plug Type: OPEN HOLE Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 274 sacks half in. half out surface casing from 778 ft. to 0 ft. Plug Tagged: ☒

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☐ Yes ☐ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

## Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing

Surface Plug Setting Date: _____ Cut and Cap Date: _____ Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Phinney 34-10 (05-123-23589)/Plugging Procedure (Intent)
Producing Formation: Codell: 6950'-6960'
Upper Pierre Aquifer: 550'-1580'
TD: 7136' PBTD: 7088' (2/1/2018)
Surface Casing: 8 5/8" 24# @ 578' w/ 410 sxs cmt
Production Casing: 4 1/2" 10.5# @ 7103' w/ 445 sxs cmt (TOC @ 2730' - CBL)

Tubing: 2 3/8" tubing set @ 6910' (2/1/2018)
Proposed Procedure:
1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6900'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Codell perfs @ 6950')
4. TIH with CIBP. Set BP at 6584'. Top with 2 sxs 15.8#/gal Cl G cement. (Top of Niobrara @ 6634')
5. TIH with casing cutter. Cut 4.5" casing at 2500'. Pull cut casing.
6. TIH with tubing to 2550'. RU cementing company. Mix and pump 100 sxs 15.8#/gal Cl G cement down tubing. (Stub plug from 2550'-2300')
7. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations
8. TIH with tubing to 1680'. Mix and pump 100 sxs 15.8#/gal Cl G cement down tubing. (Pierre coverage from 1680'-1480').
9. Pick up tubing to 778'. Mix and pump 274 sxs 15.8#/gal Cl G cement down tubing. Cement should circulate to surface.
10. Cut surface casing 6' below ground level and weld on cap.

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

Signed: _____ Print Name: Valerie Danson

Title: Reg Tech Date: Email: valerie.danson@pdce.com

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: Date:

**CONDITIONS OF APPROVAL, IF ANY:** Expiration Date:

| COA Type | Description |
|---|---|
| | |

## Attachment Check List

| Att Doc Num | Name |
|---|---|
| 402561314 | WELLBORE DIAGRAM |
| 402561315 | WELLBORE DIAGRAM |

Total Attach: 2 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| | | Stamp Upon Approval |

Total: 0 comment(s)