

FORM  
6Rev  
12/05

# 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:

401170138

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: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name:

Tel:

COGCC contact:

Email:

API Number 05-123-14802-00

Well Name: H&amp;S

Well Number: 1

Location: QtrQtr: NWSE Section: 17 Township: 5N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 56454

Field Name: KERSEY

Field Number: 44600

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

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

Latitude: 40.396944

Longitude: -104.570833

GPS Data:

Date of Measurement: 05/03/2010

PDOP Reading: 1.6

GPS Instrument Operator's Name: Chuck Kraft

Reason for Abandonment:

☐ Dry☐ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes☐ No

Estimated Depth:

Fish in Hole: ☐ Yes☐ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☐ Yes☐ 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    | 6842      | 6852      | 11/30/2016     | B PLUG CEMENT TOP   | 6525       |
| NIOBRARA  | 6574      | 6710      | 11/30/2016     | B PLUG CEMENT TOP   | 6525       |

Total: 2 zone(s)

### Casing History

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF        | 12+1/4       | 8+5/8          | 24              | 319           | 200          | 319        | 0          | VISU   |
| 1ST         | 7+7/8        | 3+1/2          | 905             | 6,996         | 185          | 6,996      | 6,020      | CBL    |

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6520 with 2 sacks cmt on top. CIBP #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIBP #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 326 sks cmt from 650 ft. to 19 ft. Plug Type: STUB PLUG 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: ☐  
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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ 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: 550 ft. of 3+1/2 inch casing

Plugging Date: 11/30/2016

\*Wireline Contractor: Nabors

\*Cementing Contractor: Bayou

Type of Cement and Additives Used: 15.8#/gal CI G cement

Flowline/Pipeline has been abandoned per Rule 1103 ☒ Yes ☐ No

\*ATTACH JOB SUMMARY

Technical Detail/Comments:

H&S #1 (Cache) (05-123-14802)/Plugging Procedure (Subsequent)  
Producing Formation: Niobrara 6574'-6710' Codell 6842'-6852'  
TD: 7007' PBTD: 6964'  
Surface Casing: 8 5/8" 24# @ 319' w/ 200 sxs  
Production Casing: 3 1/2" 9.5# @ 6996' w/ 185 sks cmt (TOC 6020' - CBL)

Tubing: 2 1/16" tubing set at 6839'. (3/19/2008)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 1/16" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6520'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with casing cutter. Cut 3 1/2" casing at 550'. Recover 3 1/2" casing.
5. TIH with tubing to 650'. Mix and pump 326 sxs of 15.8#/gal CI G cement down tubing.
6. 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: Kelsi Welch

Title: Production Technician

Date: \_\_\_\_\_

Email: kelsi.welch@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:**

**COA Type**

**Description**

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

**Attachment Check List**

**Att Doc Num**

**Name**

|           |                      |
|-----------|----------------------|
| 401170144 | CEMENT JOB SUMMARY   |
| 401170146 | WIRELINE JOB SUMMARY |
| 401170147 | WELLBORE DIAGRAM     |

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

|  |  |                        |
|--|--|------------------------|
|  |  | Stamp Upon<br>Approval |
|--|--|------------------------|

Total: 0 comment(s)