

FORM  
6Rev  
05/18

# State of Colorado Oil and Gas Conservation Commission

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



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Document Number:

401823588

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: Jenifer Hakkarinen

Name of Operator: PDC ENERGY INC

Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

**For "Intent" 24 hour notice required,**

Name: Peterson, Tom

Tel: (970) 370-1281

**COGCC contact:**

Email: tom.peterson@state.co.us

API Number 05-123-12154-00

Well Name: COMING

Well Number: 17-1

Location: QtrQtr: NWNE Section: 17 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 65448

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 40.318440

Longitude: -104.912360

GPS Data:

Date of Measurement: 01/18/2008

PDOP Reading: 3.3

GPS Instrument Operator's Name: Holly L. Tracy

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	7154	7174			

Total: 1 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	316	210	316	0	VISU
1ST	7+7/8	4+1/2	11.6	7,258	175	7,258	6,132	CBL
			Stage Tool	2,967	0	2,967	2,967	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7104 with 2 sacks cmt on top. CIBP #2: Depth 6820 with 2 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 <u>40</u> sks cmt from <u>5289</u> ft. to <u>4789</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>3217</u> ft. to <u>2717</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>516</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 4700 ft. with 212 sacks. Leave at least 100 ft. in casing 4415 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: \_\_\_\_\_ ft. \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Coming 17-1 (05-123-12154)/Plugging Procedure (Intent)  
Producing Formation: Codell: 7154'-7174'  
Upper Pierre Aquifer: 160'-1140'  
TD: 7260' PBD: 7208'  
Surface Casing: 8 5/8" 24# @316' w/ 210 sxs cmt  
Production Casing: 4 1/2" 11.6# @ 7258' w/ 175 sxs cmt (TOC @ 6132' - CBL).  
Casing Patch @ 5039' ( 3/30/2001).  
Sliding Sleeve @ 2967'.

Tubing: 2 3/8" tubing set @ 7141.7' (8/24/2016).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7104'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 6820'. Top with 2 sxs 15.8#/gal CI G cement.
5. Run CBL from 6400' to surface to determine if there is annular cement around the sliding sleeve.
  - a. If there is annular fill cement and the top is above 1500' (example, 1500', 1600', 1700' etc) then proceed to step 6.
  - b. If there annular fill cement and cement goes to surface, then proceed with the following steps.
    - i. TIH with tubing to 5289'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Casing Patch coverage 5289'-4789'). TOOH with tubing.
    - ii. TIH with perf gun. Shoot lower squeeze holes at 4700'. Shoot upper squeeze holes at 4400' for Parkman coverage.
    - iii. Set CICR at 4415'. RU cementing company. Sting in and pump 202 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs on top of CICR.
    - iv. Pickup tubing to 3217'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Sliding Sleeve coverage 3217'-2717').
    - v. Pickup tubing to 1400'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1400'-900').
    - vi. Pickup tubing to 516'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.
  - c. If there is annular fill cement and goes beneath 1500' (example 1400', 1300', 1200' etc) but does not go to surface contact engineer before proceeding.
6. If there is no annular fill cement, TIH with tubing to 5289'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Casing Patch coverage 5289'-4789'). TOOH with tubing.
  - a. TIH with perf gun. Shoot lower squeeze holes at 4700'. Shoot upper squeeze holes at 4400' for Parkman coverage.
  - b. Set CICR at 4415'. RU cementing company. Sting in and pump 202 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs on top of CICR.
  - c. Pickup tubing to 3217'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Sliding Sleeve coverage 3217'-2717'). TOOH with tubing.
  - d. TIH with casing cutter. Cut 4 1/2" casing at 1300'. Pull cut casing.
  - e. TIH with tubing to 1415'. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (cement coverage from 1415'-1000').
  - f. Pickup tubing to 516'. Mix and pump 330 sxs 15.8#/gal CL G cement down tubing. Cement should circulate to surface.
7. 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: JEnifer Hakkarinen  
Title: Reg Tech Date: \_\_\_\_\_ Email: JEnifer.Hakkarinen@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
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### Attachment Check List

Att Doc Num	Name
401823603	WELLBORE DIAGRAM
401823606	WELLBORE DIAGRAM

Total Attach: 2 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)