

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



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Document Number:

401124817

Date Received:

10/06/2016

## 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: Pesicka, Conor

Tel: (970) 415-0789

**COGCC contact:**

Email: conor.pesicka@state.co.us

API Number 05-123-19822-00

Well Name: STATE 5519

Well Number: 12-8

Location: QtrQtr: SWNW Section: 8 Township: 5N Range: 63W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

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: 40.415560

Longitude: -104.467920

GPS Data:

Date of Measurement: 07/25/2007

PDOP Reading: 4.8

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: 3250

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☒ Yes☐ No

If yes, explain details below

Details: Holes in casing found from 2971'-3004'

## Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	6761	6771		B PLUG CEMENT TOP	6700

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	356	245	356	0	VISU
1ST	7+7/8	3+1/2	9.3	7,046	185	7,046	5,850	CBL
S.C. 1.1				6,965	260	5,850	3,363	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6700 with 2 sacks cmt on top. CIBP #2: Depth 6400 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 80 sks cmt from 3300 ft. to 3020 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 210 sacks half in. half out surface casing from 560 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 Plugging Date: \_\_\_\_\_

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

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

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

State 5519 12-8 (05-123-19822)/Plugging Procedure (Intent)  
Producing Formation: Codell 6761'-6771'  
Existing CIBP: Set at 6700' with 2 sxs cement  
TD: 7101' PBD: 6940'  
Surface Casing: 8" 24# @ 356' w/ 245 sks cmt.  
Production Casing: 3 1/2" 9.3# @ 7046' w/ 445 sks cmt (TOC 3364'CBL).  
Note holes in casing from 2471' to 3004'.

Tubing: There is no tubing installed in this well.

Proposed Procedure:

1. MIRU RU pulling unit.
2. RU wireline company.
3. TIH with CIBP. Set bridge plug at 6418'. TIH with dump bailer. Spot 2 sxs cement on top of CIBP at 6418'.
4. TIH with casing cutter. Cut 3 1/2" casing at 3250'. Pull 3 1/2" casing.
5. PU tubing string. TIH with tubing to 3300'. Mix and pump 80 sxs of 15.8#/gal CI G cement.
6. Reset tubing to 560'. Mix and pump 210 sxs of 15.8#/gal CI G cement. 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 Hakkarien

Title: Reg Tech Date: 10/6/2016 Email: Jenifer.Hakkarienen@pdce.com

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

COGCC Approved:

Date: 10/27/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 4/26/2017

**COA Type**

**Description**

	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For the 560' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 306' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete. 4) Prior to initiation of plugging operations, a Bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days.
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**Attachment Check List**

**Att Doc Num**

**Name**

401124817	FORM 6 INTENT SUBMITTED
401124927	WELLBORE DIAGRAM
401124928	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Engineer	Requested operator to relocate CIBP lowe and add another above the Nio or fill with cement, waiting on response. Operator advised the following: Move the CIBP from 6418', to 6700' with 2 sacks and a CIBP at 6400 with 2 sacks.	10/13/2016 2:03:17 PM
Public Room	Document verification complete 10/12/16	10/12/2016 3:09:05 PM

Total: 2 comment(s)