

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:

400867023

Date Received:

07/13/2015

## 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: Rickard, Jeff

Tel: (720) 305-8280

**COGCC contact:**

Email: jeffrey.rickard@state.co.us

API Number 05-123-12787-00

Well Name: BOWEN

Well Number: 1

Location: QtrQtr: NESE Section: 25 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68137

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: 40.281087

Longitude: -104.831610

GPS Data:

Date of Measurement: 02/10/2010

PDOP Reading: 2.2

GPS Instrument Operator's Name: Brandon Lucason

Reason for Abandonment:

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

Estimated Depth: 6450

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	7274	7284	08/05/2014	B PLUG CEMENT TOP	6910
NIOBRARA	6958	7148	08/05/2014	B PLUG CEMENT TOP	6910

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	328	250	328	0	VISU
1ST	7+7/8	4+1/2	11.6	7,390	200	7,390	6,490	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 50 sks cmt from 6450 ft. to 6320 ft. Plug Type: STUB PLUG Plug Tagged: ☒

Set 200 sks cmt from 5000 ft. to 4400 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 330 sacks half in. half out surface casing from 900 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:

Bowen #1 (05-123-12787)/Plugging Procedure (Intent)  
Producing formation: Niobrara-Codell  
Existing Perforations: Niobrara 6958'-7148'; Codell 7274'-7284'  
TD: 7390' PBTD: 7346'  
Surface Casing: 8 5/8" 24# @ 328' w/ 250 sks cmt.  
Production Casing: 4 1/2" 11.6# @ 7390' w/ 200 sks cmt (TOC 6490').

Existing CIBP: at 6910' with 2 sxs cmt.

Proposed Procedure:

1. MIRU. Pull tubing.
2. TIH with casing cutter. Cut off 4 1/2" casing at 6450'. Pull 4 1/2" casing.
3. TIH with tubing to 6500'. RU cementers. Mix and pump 50 sxs of 15.8#/gal CI G cement.
4. Reset tubing at 5000'. RU cementers. Mix and pump 200 sxs of 15.8#/gal CI G cement
4. Reset tubing at 900'. RU cementers. Mix and pump 330 sxs of 15.8#/gal CI G cement. Cement should circulate.
5. 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: Regulatory Tech Date: 7/13/2015 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: JENKINS, STEVE Date: 7/21/2015

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 1/20/2016

**COA Type****Description**

	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 900' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 228' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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**Attachment Check List****Att Doc Num****Name**

400867023	FORM 6 INTENT SUBMITTED
400867028	WELLBORE DIAGRAM
400867029	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments****User Group****Comment****Comment Date**

Permit	Well Completion Report dated 4/7/1986.	7/20/2015 9:12:04 AM
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Total: 1 comment(s)