

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:

400851953

Date Received:

06/11/2015

## 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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-123-22595-00

Well Name: BECKER

Well Number: 5

Location: QtrQtr: NENW Section: 5 Township: 3N Range: 64W 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: 40.258152

Longitude: -104.579491

GPS Data:

Date of Measurement: 12/20/2009

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:

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	7052	7064	05/18/2015	B PLUG CEMENT TOP	6680
NIOBRARA	6760	6916	05/18/2015	B PLUG CEMENT TOP	6680

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	614	470	614	0	VISU
1ST	7+7/8	4+1/2	11.6	7,143	600	7,143	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6880 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 50 sks cmt from 4500 ft. to 3850 ft. Plug Type: CASING 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 80 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:

Becker 5 (05-123-22595)/Plugging Procedure (Intent)  
Producing formation: Niobrara-Codell  
Existing Perforations: Niobrara 6760'-6916"; Codell 7052'-7064'  
TD: 7199' PBD: 7134'  
Surface Casing: 8 5/8" 24# @ 614' w/ 470 sks cmt.  
Production Casing: 4 1/2" 11.6# @ 7143' w/ 600 sks cmt (TOC 0').

Existing CIBP: 6680' w/ 2 sks cement.

Proposed Procedure:

1. MIRU. Reset production tubing to 4500'. RU cementers. Mix and spot 50 sks of 15.8#/gal CI G cement from 4500' to 3850'.
2. Reset tubing to 900'. Mix and pump 80 sks of 15.8#/gal CI G cement. Cement should circulate.
3. Cut 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: 6/11/2015 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: SCHLAGENHAUF, MARK Date: 6/19/2015

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 12/18/2015

**COA Type****Description**

- 1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU.
- 2) Submit contractor and operator reports verifying setting of CIBP w/ cmt cap @ 6680' on 5/18/2015 48 hours prior to MIRU.
- 3) For 900' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 564' or shallower. If shoe plug not circulated to surface then place 10-40 sx inside casing at surface. Leave at least 100' for each plug.
- 4) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

**Attachment Check List****Att Doc Num****Name**

400851953	FORM 6 INTENT SUBMITTED
400851974	WELLBORE DIAGRAM
400851975	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Well Completion Report dated 03/30/2005.	6/15/2015 8:32:04 AM
--------	--	-------------------------

Total: 1 comment(s)