

FORM  
6Rev  
12/05State 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:

400848237

Date Received:

06/03/2015

## 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 05-123-14815-00

Well Name: MCKENNEY

Well Number: 6-3

Location: QtrQtr: NESE Section: 6 Township: 3N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68756

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: 40.252778

Longitude: -104.586944

GPS Data:

Date of Measurement: 12/20/2009

PDOP Reading: 1.9

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: 6250

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	7004	7020			
NIOBRARA	6735	6891			

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	451	245	451	0	VISU
1ST	7+7/8	4+1/2	12.6	7,170	170	7,170	6,340	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6675 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 250 sks cmt from 4800 ft. to 4100 ft. Plug Type: OPEN HOLE Plug Tagged: ☒

Set 60 sks cmt from 6350 ft. to 6150 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: ☐

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 320 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:

McKenney 6-3 (05-123-14815)/Plugging Procedure (Intent)  
Producing formation: Niobrara-Codell  
Existing Perforations: Niobrara 6735'-6891'; Codell 7004'-7020'  
TD: 7170' PBD: 7140'  
Surface Casing: 8 5/8" 24# @ 451' w/ 245 sks cmt.  
Production Casing: 4 1/2" 12.6# @ 7170' w/ 170 sks cmt (TOC 6385').

Proposed Procedure:

1. MIRU pulling unit. Rig up wireline. Run gyro survey from 6800' to surface.
2. Pull production tubing. TIH with tubing and drill bit. Clean out well to 6800'.
3. TIH with CIBP. Set plug at 6675'. TIH with dump bailer. Dump 2 sx cement on top of CIBP.
4. Cut off 4 1/2" casing at 6250'. Pull 4 1/2" casing.
- 4a. Add 60 sxs stub plug to casing cut @ 6250'.
5. TIH with tubing to 4800'. RU cementers. Mix and pump 250 sxs of 15.8#/gal CI G cement. WOC and tag plug.
6. Reset tubing to 900'. Mix and pump 320 sxs of 15.8#/gal CI G cement. Cement should circulate.
7. 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: 6/3/2015 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.

**CONDITIONS OF APPROVAL, IF ANY:**Expiration Date: 1/16/2016**COA Type****Description**

	Note change in plugging procedure:  1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) If unable to pull casing below 4800' contact COGCC for plugging modifications. 3) Add 60 sxs stub plug to casing cut location @ 6250'. 3) For 900' plug: pump plug and displace, shut-in, WOC 4 hours and tag plug – must be 400' 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. 5) Please submit gyro survey data with Form 6 (s) Subsequent Report of Abandonment.
--	--

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

400848237	FORM 6 INTENT SUBMITTED
400848248	WELLBORE DIAGRAM
400848250	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Permit	Well Completion Report dated 3/29/1991.	6/10/2015 9:52:48 AM
--------	---	-------------------------

Total: 1 comment(s)