

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:

400640498

Date Received:

07/07/2014

## 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: Christine Brookshire

Name of Operator: PDC ENERGY INC

Phone: (303) 860-5800

Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203

Email: christine.brookshire@pdce.com

For "Intent" 24 hour notice required,

Name: \_\_\_\_\_ Tel: \_\_\_\_\_

COGCC contact:

Email: \_\_\_\_\_

API Number 05-123-13309-00

Well Name: MCCARTY

Well Number: 28-7

Location: QtrQtr: SWNE Section: 28 Township: 4N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68354

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: 40.286250

Longitude: -104.892580

GPS Data:

Date of Measurement: 04/02/2008

PDOP Reading: 2.5

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:

☐ Dry☐ Production for Sub-economic☐ Mechanical Problems☐ Other \_\_\_\_\_Casing 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	7329	7343	03/22/2014	B PLUG CEMENT TOP	6970
NIOBRARA	7038	7204	03/22/2014	B PLUG CEMENT TOP	6970

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	26	296	275	296	0	
1ST	7+7/8	2+7/8	11.6	7,420	450	7,420	5,660	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6970 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 5542 ft. to 5437 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 175 sks cmt from 4018 ft. to 3469 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 600 sacks half in. half out surface casing from 702 ft. to 13 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: 5550 ft. of 2+7/8 inch casing

Plugging Date: 03/22/2014

\*Wireline Contractor: Nabors

\*Cementing Contractor: Baker Hughes

Type of Cement and Additives Used: 15.8# Class G, Econocem

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No

\*ATTACH JOB SUMMARY

Technical Detail/Comments:

Plugging Procedure/McCarty 28-7

Codell

Niobrara

Existing Perforations:

Codell: 7329'-7343'

Niobrara: 7038'-7204'

PBTD: 7386'

9 5/8" 36# @ 296' W/ 275 sks cmt.

2 7/8" 6.5# @ 7420' w/ 450 sks cmt.

Procedure:

1. MIRU Workover Rig

2. TIH w/CIBP set at 6970'

3. TIH w/dump bailer and dump 2 sx cement on top of CIBP

4. Ran CBL log from 6000'- surface, original TOC @ 5660' (stringers up to 5610')

5. TIH w/casing cutter, cut & pull casing at 5550'

6. TIH, tagged casing stub @ 5550'

7. TIH set 50 sacks plug at casing stub 5542' (Est. TOC @ 5437')

8. TIH to set 175 sack plug at 4018' (Est. TOC @ 3469')

9. TIH and set 600 sack cement plug 702' to surface

10. TIH, tagged cement top @ 13'

11. Cut surface casing at 6' 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: Christine Brookshire

Title: Regulatory Tech

Date: 7/7/2014

Email: christine.brookshire@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: 7/30/2014

**CONDITIONS OF APPROVAL, IF ANY:**

<u>COA Type</u>	<u>Description</u>
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**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
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400640498	FORM 6 SUBSEQUENT SUBMITTED
400640507	WELLBORE DIAGRAM
400640509	CEMENT JOB SUMMARY
400640510	WIRELINE JOB SUMMARY

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>
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Comment Date

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Total: 0 comment(s)