

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:

400618581

Date Received:

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: (303) 8605838

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: _____

Tel: _____

COGCC contact:

Email: _____

API Number 05-123-13754-00

Well Name: MCCARTY

Well Number: 28-8

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

County: WELD

Federal, Indian or State Lease Number: 68644

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: 40.289640

Longitude: -104.889310

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	7261	7273	04/17/2014	B PLUG CEMENT TOP	6870
NIOBRARA	6957	7041	04/17/2014	B PLUG CEMENT TOP	6870

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	317	220	317	0	
1ST	7+7/8	2+7/8	6.4	7,359	450	7,359	5,846	

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6870 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 <u>50</u> sks cmt from <u>5678</u> ft. to <u>5573</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>175</u> sks cmt from <u>4007</u> ft. to <u>3458</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>200</u> sks cmt from <u>728</u> ft. to <u>497</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 400 sacks half in. half out surface casing from 497 ft. to 5 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: 5700 ft. of 4+1/2 inch casing

Plugging Date: 04/17/2014

*Wireline Contractor: Nabors

*Cementing Contractor: Halliburton

Type of Cement and Additives Used: _____

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

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Plugging Procedure for McCarty 28-8

Niobrara

Codell

Existing Perforations:

Niobrara: 6957'-7041'

Codell: 7261'-7273'

PBTD: 7314'

8 5/8" 24# @ 317' W/ 220 sks cmt.

2 7/8" 6.4# @ 7359' w/ 450 sks cmt

Procedure:

1. MIRU Rig

2. Pull 1 1/2" production tubing

3. MIRU wireline

4. TIH w/CIBP set @ 6870'

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

6. Ran CBL from 6000'-surface. Original cement top = 5846' (stringers up to 5786')

7. RIH w/casing cutter, cut & pull casing @ 5700'

8. Tagged casing stub @ 5700.34'

9. Pump 50sk @ 5678.99', est. TOC @ 5573.59'

10. Pump 175sks @ 4007.04', est. TOC @ 3458.47'

11. Pump 200sks @ 728.96', tagged top @ 497.52'

12. Pump 400sks @ 497.52'

13. Tagged cement top @ 5'

14. Cut casing 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: _____

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: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY: _____

Attachment Check List

Att Doc Num

Name

400618600	WELLBORE DIAGRAM
400618601	CEMENT JOB SUMMARY
400618602	WIRELINE JOB SUMMARY

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

--	--	--

Total: 0 comment(s)