

FORM
6Rev
05/18

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

401916268

Date Received:

01/24/2019

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: Valerie Danson

Name of Operator: PDC ENERGY INC

Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required,

Name: _____ Tel: _____

COGCC contact:

Email: _____

API Number 05-001-09274-00

Well Name: MCELWAIN

Well Number: 41-17

Location: QtrQtr: NENE Section: 17 Township: 1S Range: 67W Meridian: 6

County: ADAMS

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: 39.969444

Longitude: -104.905556

GPS Data:

Date of Measurement: 01/26/2010

PDOP Reading: 2.3

GPS Instrument Operator's Name: Robert Girillego

Reason for Abandonment:

☐ Dry☐ Production 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	7953	7970	03/14/2017	B PLUG CEMENT TOP	7470
NIOBRARA	7519	7810	03/14/2017	B PLUG CEMENT TOP	7470

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	1,168	700	1,168	0	VISU
1ST	7+7/8	4+1/2	11.6	8,041	131	8,041	7,060	CBL
S.C. 1.1				5,300	131	5,200	4,400	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7470 with 2 sacks cmt on top. CIBP #2: Depth 4925 with 2 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 255 sks cmt from 2415 ft. to 1697 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 408 sks cmt from 1375 ft. to 0 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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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: 2296 ft. 4+1/2 inch casing Plugging Date: 12/26/2018

*Wireline Contractor: C&J Energy Services *Cementing Contractor: C&J Energy Services

Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement w/Calc2%

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

McElwain 41-17 (05-001-09274)/Plugging Procedure
Producing Formation: Codell: 7953'-7970' Niobrara: 7519'-7810'
Upper Pierre Aquifer: 899'-2160'
TD: 8085' PBTD: 8038'
Surface Casing: 8 5/8" 24# @ 1168' w/ 700 sxs cmt
Production Casing: 4 1/2" 11.6# 1st stage cmt @ 8041' (TOC @ 7354' - CBL).
2nd stage cement @ 5300' (TOC @ 4800' - CBL) with a total of 262 sxs cmt between both stages. Unknown # of sxs each stage has specifically.
Existing CIBP @ 7470' w/ 2 sxs cmt. (3/14/2017).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 4925'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with casing cutter. Cut 4 1/2" casing at 2296'. Pull cut casing.
5. TIH with tubing to 2415'. RU cementing company. Mix and pump 255 sxs 14.8#/gal Type III w/Calc2% cement down tubing (Pierre coverage from 2415'-2000'). TOC at 1697'.
6. Pickup tubing to 1375'. Mix and pump 408 sxs 14.8#/gal Type III w/Calc2% cement down tubing. Cement circulate to surface.
7. 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: Valerie Danson
Title: Reg Tech Date: 1/24/2019 Email: valerie.danson@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, Eric

COGCC Approved:

Date: 3/27/2019

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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401916268	FORM 6 SUBSEQUENT SUBMITTED
401916297	CEMENT JOB SUMMARY
401916304	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

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

		Stamp Upon Approval
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Total: 0 comment(s)