

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:

401224907

Date Received:

03/03/2017

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: Kelsi Welch

Name of Operator: PDC ENERGY INC

Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required,

Name: Tel:

COGCC contact:

Email:

API Number 05-123-14532-00

Well Name: CARLSON

Well Number: 2

Location: QtrQtr: NESE Section: 14 Township: 5N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 65540

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: 40.396944

Longitude: -104.623889

GPS Data:

Date of Measurement: 05/03/2010

PDOP Reading: 2.2

GPS Instrument Operator's Name: Chuck Kraft

Reason for Abandonment:

☐ Dry☐ Production 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	6931	6941	01/27/2017	B PLUG CEMENT TOP	6881

Total: 1 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	316	160	316	0	VISU
1ST	7+7/8	3+1/2	9.3	7,058	225	7,058	5,964	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6881 with 2 sacks cmt on top. CIBP #2: Depth 6570 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 <u>12</u> sks cmt from <u>1912</u> ft. to <u>1630</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>4</u> sks cmt from <u>648</u> ft. to <u>550</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>328</u> sks cmt from <u>550</u> ft. to <u>0</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input 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 _____ 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: 550 ft. of 3+1/2 inch casing Plugging Date: 01/31/2017

*Wireline Contractor: Ranger *Cementing Contractor: Ranger

Type of Cement and Additives Used: 15.8#/gal CI G cement with 2% CaCl

Flowline/Pipeline has been abandoned per Rule 1103 ☒ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Carlson 2 (05-123-14532)/Plugging Procedure (Subsequent)

Producing Formation: Codell 6931'-6941'
TD: 7100' PBTD: 7005'
Surface Casing: 8 5/8" 24# @ 316' w/ 160 sxs
Production Casing: 3 1/2" 9.3# @ 7058' w/ 225 sks cmt (TOC 5964' - CBL)
Tubing: 2 1/16" 3.25 #/ft IJ tubing set at 6883'. (5/4/2008)

Proposed Procedure:

1. MIRU RU pulling unit. Pull 2 1/16" tubing.
2. RU wireline company.
3. TIH with CIBP. Set CIBP at 6881'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set CIBP at 6570'. Top with 2 sxs 15.8#/gal CI G cement.
5. Found holes in casing from 1736'-1827'.
6. TIH with tubing to 1912'. Mix and pump 12 sxs of 15.8#/gal CI G cement down tubing to 1630'.
7. Pull tubing up to 648'. Mix and pump 4 sxs of 15.8#/gal CI G cement down tubing to 550' to ensure proper stub plug.
8. TIH with casing cutter. Cut 3 1/2" casing at 550'. Recover 3 1/2" casing.
9. TIH with tubing to 551'. Mix and pump 328 sxs of 15.8#/gal CI G cement with 2% CaCl down tubing to surface.
10. 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: Kelsi Welch

Title: Production Tech Date: 3/3/2017 Email: kelsi.welch@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: Jacobson, Eric

Date: 3/30/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

401224907	FORM 6 SUBSEQUENT SUBMITTED
401224909	CEMENT JOB SUMMARY
401224910	WIRELINE JOB SUMMARY
401224911	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group **Comment** **Comment Date**

Engineer	Requested and received Form 42 (flo) 401591621	03/30/2018
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Total: 1 comment(s)