

FORM
6Rev
05/18State 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:

401763894

Date Received:

09/14/2018

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) 86058000

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:

Tel:

COGCC contact:

Email:

API Number 05-123-11266-00

Well Name: ANDERSON

Well Number: 1-34

Location: QtrQtr: NWNW Section: 34 Township: 7N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 55688

Field Name: EATON

Field Number: 19350

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.537420

Longitude: -104.771530

GPS Data:

Date of Measurement: 09/20/2006

PDOP Reading: 2.7

GPS Instrument Operator's Name: Holly L. Tracy

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	7400	7409	08/02/2018	B PLUG CEMENT TOP	7350

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	357	250	357	0	VISU
1ST	7+7/8	4+1/2	11.6	8,030	275	8,030	6,960	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7350 with 2 sacks cmt on top. CIBP #2: Depth 7036 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 150 sks cmt from 2020 ft. to 1600 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 520 sks cmt from 1029 ft. to 0 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 _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐
Set 9 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: 1900 ft. 4+1/2 inch casing of _____ Plugging Date: 08/02/2018
*Wireline Contractor: Cased Hole solutions *Cementing Contractor: C&J
Type of Cement and Additives Used: 14.8 type III
Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Anderson 1-34 (05-123-11266)/Plugging Procedure

Producing Formation: Codell: 7400'-7408'

Upper Pierre Aquifer: 481'-1770'

TD: 8030' PBTD: 7550'

Surface Casing: 8 5/8" 24# @ 357' w/ 250 sxs

Production Casing: 4 1/2" 11.6# @ 8030' w/ 275 sxs cmt (TOC @ 6960' - CBL).

Possible CIBP @ 7580 (1/1/2006)

Tubing: 2 3/8" tubing set @ 7386.1' (12/28/2011).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.

2. RU wireline company.

3. TIH with CIBP. Set BP at 7350'. Top with 2 sxs 15.8#/gal CI G cement.

4. TIH with CIBP. Set BP at 7036'. Top with 2 sxs 15.8#/gal CI G cement.

5. TIH with casing cutter. Cut 4 1/2" casing at 1900'. Pull cut casing.

6. TIH with tubing to 2020'. RU cementing company. Mix and pump 150 sxs 14.8 tye III cement down tubing (Pierre coverage from 2020'-1600').

7. Pick up tubing to 1029'. RU cementing company. Mix and pump 520 sxs 14.8 type III cement down tubing. Cement circulate to surface. (Nearest water well depth within 1 mile 800').

8. 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: Jenifer Hakkarinen
Title: Reg Tech Date: 9/14/2018 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: Jacobson, Eric

Date: 12/31/2018

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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401763894	FORM 6 SUBSEQUENT SUBMITTED
401763904	WELLBORE DIAGRAM
401763905	CEMENT JOB SUMMARY

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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Engineer	CBL during plugging was for casing cut; no record kept	12/31/2018
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Total: 1 comment(s)