

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:

401692106

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:

City: DENVER State: CO Zip: 80203

Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name:

Tel:

COGCC contact:

Email:

API Number 05-123-20347-00

Well Name: HAHN

Well Number: 13-27

Location: QtrQtr: NWSW Section: 27 Township: 5N Range: 67W Meridian: 6

County: WELD

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: 40.368330

Longitude: -104.885860

GPS Data:

Date of Measurement: 03/15/2007

PDOP Reading: 2.5

GPS Instrument Operator's Name: Holly L. Tracy

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	7145	7153	05/30/2018	B PLUG CEMENT TOP	7095

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	375	265	375	0	VISU
1ST	7+7/8	4+1/2	10.5	7,254	136	7,254	6,380	CBL
S.C. 1.1				7,254	94	6,380	5,425	CBL
S.C. 1.2				7,254	0	5,425	4,322	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7095 with 2 sacks cmt on top. CIBP #2: Depth 6772 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 152 sks cmt from 1423 ft. to 1000 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 263 sks cmt from 600 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 _____ 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: 1300 ft. of 4+1/2 inch casing Plugging Date: 05/30/2018

*Wireline Contractor: Ranger

*Cementing Contractor: C&J

Type of Cement and Additives Used: 15.8 PPG CL G NEAT +2% CaCl

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

*ATTACH JOB SUMMARY

Technical Detail/Comments:

Hahn 13-27 (05-123-20347)/Plugging Procedure

Producing Formation: Codell: 7145'-7153'

Upper Pierre Aquifer: 2454'-2548'

TD: 7260' PBD: 7225'

Surface Casing: 8 5/8" 24# @ 375' w/ 265 sxs

Production Casing: 4 1/2" 10.5# @ 7254' w/ 363 sxs cmt (TOC @ 4324' - CBL).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7095'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with CIBP. Set BP at 6772'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with casing cutter. Cut 4 1/2" casing at 1300'. Pull cut casing.
6. TIH with tubing to 1423'. RU cementing company. Mix and pump 152 sxs 15.8#/gal CI G cement with 2% CaCl down tubing to 1000'.
8. Pick up tubing to 600'. Mix and pump 263 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
9. 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: _____

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:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401692126	WELLBORE DIAGRAM
401692132	CEMENT JOB SUMMARY

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)