

FORM
6Rev
02/20

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:

402437537

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: 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:

Type of Well Abandonment Report:



Notice of Intent to Abandon



Subsequent Report of Abandonment

API Number 05-123-13349-00

Well Name: HOFF

Well Number: 20-1

Location: QtrQtr: SWSE Section: 20 Township: 5N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 68953

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.379167

Longitude: -104.571389

GPS Data: GPS Quality Value: 2.8 Type of GPS Quality Value: Date of Measurement: 04/16/2010

GPS Instrument Operator's Name: Chuck Kraft

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
NIOBRARA-CODELL	6590	6895	02/27/2019	B PLUG CEMENT TOP	6535

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	292	170	292	0	VISU
1ST	7+7/8	4+1/2	15.1	7,003	230	7,003	6,106	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 5 sks cmt from 4024 ft. to 3885 ft. Plug Type: CASING Plug Tagged: ☐
Set 88 sks cmt from 1581 ft. to 1228 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 4210 ft. with 62 sacks. Leave at least 100 ft. in casing 4025 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 305 sacks half in. half out surface casing from 620 ft. to 0 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: 1510 ft. 4+1/2 inch casing Cut and Cap Date: 06/03/2020
of

*Wireline Contractor: SureFire Wireline Services

*Cementing Contractor: NexTier

Type of Cement and Additives Used: Type III 12.0 PPG Sussex Blend & Type III 14.8 PPG Portland Cement

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

Technical Detail/Comments:

Hoff 20-1 (05-123-13349)/Plugging Procedure
Producing Formation: Niobrara/Codell: 6590'-6895'
Upper Pierre Aquifer: 420'-1410'
TD: 7010' PBTD: 6946' (4/19/2017)
Surface Casing: 8 5/8" 24# @ 292' w/ 170 sx cmt
Production Casing: 4 1/2" 15.1# @ 7010' w/ 230 sx cmt (TOC @ 6106' - CBL)
Existing CIBP @ 6535' w/ 2 sx cmt (2/27/2019)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company. TIH and tag existing dump bail @ 6505'.
3. Run a CBL from 4250' to Surface.
4. TIH with perf gun. Shoot lower squeeze holes at 4210' and upper squeeze holes at 4010'.
5. TIH with CICR. Set CICR at 4025'. RU cementing company. Sting in and pump 67 sxs 12.0#/gal Sussex Blend cement. Sting out and leave 5 sxs (of the 67 sxs) cement on top of CICR. TOC at 3885'.
6. TIH with casing cutter. Cut 4 1/2" casing @ 1510'. Pull cut casing.
7. TIH with tubing to 1581'. Mix and pump 88 sxs 14.8#/gal Type III cement down tubing. (Pierre coverage from 1510'-1310') TOC at 1228'.
8. Pick up tubing to 620'. Mix and pump 305 sxs 14.8#/gal Type III 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: Valerie Danson

Title: Reg Tech

Date: _____

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.

COGCC Approved: _____

Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type **Description**

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Attachment Check List

Att Doc Num **Name**

402437539	CEMENT BOND LOG
402437540	CEMENT JOB SUMMARY
402437541	OPERATIONS SUMMARY
402437542	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

User Group **Comment**

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)