

FORM  
6Rev  
11/20

# 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:

403006545

Date Received:

04/06/2022

## 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 05-123-16472-00

Well Name: HUNGENBERG

Well Number: 13-12F

Location: QtrQtr: NWSW

Section: 13

Township: 4N

Range: 66W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 61086

Field Name: WATTENBERG

Field Number: 90750

### Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.310780

Longitude: -104.731920

GPS Data: GPS Quality Value: 2.3

Type of GPS Quality Value: PDOP

Date of Measurement: 06/28/2006

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	6894	7219	02/07/2022	B PLUG CEMENT TOP	6847

Total: 1 zone(s)

### Casing History

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	23	0	520	360	520	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7342	490	7342	3610	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6847 with 2 sacks cmt on top. CIBP #2: Depth 4088 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 100 sks cmt from 2551 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
 Set 110 sks cmt from 1460 ft. to 1233 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 396 sacks half in. half out surface casing from 745 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: 2500 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 48  
 Surface Plug Setting Date: 02/09/2022 Cut and Cap Date: 03/29/2022

\*Wireline Contractor: SureFire Wireline Services \*Cementing Contractor: DUCO Inc. Cementing Services

Type of Cement and Additives Used: Class G 15.8 PPG Cement

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

#### Technical Detail/Comments:

Hungenberg 13-12F (05-123-16472)/Plugging Procedure  
 Producing Formations: Niobrara/Codell: 6894'-7219'

Upper Pierre Aquifer: 234'-1375'  
 FOX Hills: 0-210'

Deepest Water Well: 108'

TD: 7356' PBD: 7,263' (12/29/2011)  
 Surface Casing: 8 5/8" 23# @ 520' w/ 360 sxs cmt  
 Production Casing: 4 1/2" 11.6# @ 7342' w/ 490 sxs cmt (TOC @ 4000' - CBL)

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6847'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perfs @ 6894')
4. Run a CBL from 6500' to Surface.
5. TIH with CIBP. Set BP at 4088'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Sussex @ 4138')
6. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.
7. TIH with tubing to 2551'. RU cementing company. Mix and pump 100 sx 15.8#/gal CI G cement down tubing. (Stub plug from 2550'-2300') TOC at 2300'.
8. Pick up tubing to 1460'. Mix and pump 110 sx 15.8#/gal CI G cement down tubing. (Pierre coverage from 1457'-1257') TOC tagged at 1233'.
9. Pick up tubing to 745'. Mix and pump 396 sx 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

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 Analyst Date: 4/6/2022 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: Jacobson, Eric Date: 8/8/2022

**CONDITIONS OF APPROVAL, IF ANY:**

**Condition of Approval**

**COA Type** **Description**

0 COA	

**Attachment List**

**Att Doc Num** **Name**

403006545	FORM 6 SUBSEQUENT SUBMITTED
403006557	CEMENT BOND LOG
403006558	CEMENT JOB SUMMARY
403006559	OTHER
403006560	OTHER
403006561	OPERATIONS SUMMARY
403006562	WELLBORE DIAGRAM

Total Attach: 7 Files

**General Comments**

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

		Stamp Upon Approval
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Total: 0 comment(s)