

FORM  
6Rev  
11/20

# State of Colorado Oil and Gas Conservation Commission

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Document Number:

402570964

Date Received:

01/10/2021

## 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 05-123-24012-00

Well Name: PAPPENHEIM

Well Number: 44-26

Location: QtrQtr: SESE Section: 26 Township: 7N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

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

Latitude: 40.538720

Longitude: -104.509310

GPS Data: GPS Quality Value: 2.8 Type of GPS Quality Value: Date of Measurement: 09/29/2006

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 belowWellbore 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	7028	7038	12/09/2020	B PLUG CEMENT TOP	6975

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	24	0	587	410	587	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7187	175	7187	6100	CBL
S.C. 1.1						6100	630	6100	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6975 with 2 sacks cmt on top. CIBP #2: Depth 6680 with 2 sacks cmt on top.  
 CIBP #3: Depth 2500 with 2 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 26 sks cmt from 1862 ft. to 1520 ft. Plug Type: CASING 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: ☐  
 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 85 sacks half in. half out surface casing from 741 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: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 7  
 Surface Plug Setting Date: 12/10/2020 Cut and Cap Date: 12/17/2020

\*Wireline Contractor: Rocky Mtn 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:

Pappenheim 44-26 (05-123-24012)/Plugging Procedure  
 Producing Formation: Codell: 7028'-7038'  
 Upper Pierre Aquifer: 635'-1685'  
 Deepest Water Well: 480'  
 TD: 7227' PBTD: 7173' (Original PBTD)  
 Surface Casing: 8 5/8" 24# @ 587' w/ 410 sxs cmt  
 Production Casing: 4 1/2" 10.5# @ 7187' w/ 805 sxs cmt (TOC @ Surface - CBL)

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6975'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7028')
4. TIH with CIBP. Set BP at 6680'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6732')
5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with tubing to 1862'. RU cementing company. Mix and pump 26 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1850' - 1520') TOC at 1520'.
7. Pick up tubing to 741'. Mix and pump 85 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
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: Valerie Danson  
 Title: Reg Tech Date: 1/10/2021 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: 3/25/2021

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type**

**Description**

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**Attachment List**

**Att Doc Num**

**Name**

402570964	FORM 6 SUBSEQUENT SUBMITTED
402570966	CEMENT JOB SUMMARY
402570967	OTHER
402570968	OPERATIONS SUMMARY
402570969	WELLBORE DIAGRAM

Total Attach: 5 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)