

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:

402612378

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 05-123-16108-00

Well Name: WHITE

Well Number: 27-5

Location: QtrQtr: NENW Section: 27 Township: 5N Range: 64W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 69716

Field Name: WATTENBERG

Field Number: 90750

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

Latitude: 40.376226

Longitude: -104.538210

GPS Data: GPS Quality Value: 2.6 Type of GPS Quality Value: Date of Measurement: 12/01/2009

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
NIOBRARA-CODELL	6488	6778	01/21/2021	B PLUG CEMENT TOP	6392

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	325	300	325	0	VISU
1ST	7+7/8	3+1/2	J55	9.3	0	6910	850	6910	4050	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6392 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 <u>10</u> sks cmt from <u>6100</u> ft. to <u>5870</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>105</u> sks cmt from <u>2617</u> ft. to <u>2300</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>100</u> sks cmt from <u>1520</u> ft. to <u>1320</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 320 sacks half in. half out surface casing from 525 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 3+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 0  
 Surface Plug Setting Date: 01/25/2021 Cut and Cap Date: 01/25/2021

\*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:

White 27-5 (05-123-16108) Plugging Procedure  
 Producing Formation: Niobrara/Codell: 6488'-6778'

Upper Pierre Aquifer: 400'-1420'  
 TD: 6910' PBSD: 6890' (1/8/2016)  
 Surface Casing: 8 5/8" 24# @ 325' w/ 300 sxs  
 Production Casing: 3 1/2" 9.3# @ 6910' w/ 850 sxs cmt (TOC @4050' - CBL)

#### Procedure:

1. MIRU. RU wireline company.
2. TIH with CIBP. Set BP at 6392'. (Top of Nio perms @ 6488') Unable to get CIBP down any further, contacted the State and moved forward with the approved procedure changes.
3. Run a CBL from 6100' to Surface.
4. TIH with tubing to 6100'. RU cementing company. Mix and pump 10 sxs 15.8#/gal CI G cement down tubing. TOC at 5870'.
5. TIH with tubing to 2617'. Mix and pump 5 sxs 15.8#/gal CI G cement down tubing. TOC at 2500'.
6. TIH with casing cutter. Cut 3 1/2" casing at 2500'. Pull cut casing.
7. TIH with tubing to 2500'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub plug 2617'-2300') TOC at 2300'.
8. TIH with tubing to 1520'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage 1520'-1320') TOC at 1320'.
9. Pick up tubing to 525'. Mix and pump 320 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. 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

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

Attachment List

Att Doc Num	Name
402612379	CEMENT BOND LOG
402612380	CEMENT JOB SUMMARY
402612381	OTHER
402612383	OPERATIONS SUMMARY
402612384	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)