

FORM  
6Rev  
11/20State 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:

403379790

Date Received:

04/20/2023

## 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: 1099 18TH STREET SUITE 1500

Fax:

City: DENVER State: CO Zip: 80202

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 05-123-12354-00

Well Name: ECKHARDT

Well Number: 34-1

Location: QtrQtr: NWSE

Section: 34

Township: 5N

Range: 64W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 69088

Field Name: WATTENBERG

Field Number: 90750

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

Latitude: 40.354019

Longitude: -104.533373

GPS Data: GPS Quality Value: 2.0

Type of GPS Quality Value: PDOP

Date of Measurement: 10/28/2022

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	6502	6790	01/20/2023	B PLUG CEMENT TOP	6452

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	311	260	311	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	6886	230	6886	5846	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6452 with 2 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 100 sks cmt from 2554 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 100 sks cmt from 1482 ft. to 1267 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 288 sacks half in. half out surface casing from 514 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: 46  
Surface Plug Setting Date: 01/23/2023 Cut and Cap Date: 03/10/2023

\*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:

Eckhardt 34-1 (05-123-12354) / Plugging Procedure  
Producing Formations: Niobrara/Codell: 6502' – 6790'  
Upper Pierre Aquifer: 380'-1380'  
Deepest Water Well: 250'  
TD: 6886' PBTD: 6843' (11/13/2015)  
Surface Casing: 8 5/8" 24# @ 311' w/ 260 sxs cmt  
Production Casing: 4 1/2" 11.6# @ 6886' w/ 230 sxs (TOC @ 5846' – CBL)  
Procedure:  
1. MIRU pulling unit. Pull 2 3/8" Tubing.  
2. RU wireline company.  
3. TIH with CIBP. Set BP at 6452'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perms @ 6502')  
4. Ran a Strip log from 3000' to surface (for casing cut verification, log not kept).  
5. TIH with casing cutter. Cut 4 1/2" casing @ 2500'. Pull cut casing.  
6. TIH with tubing to 2554'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Stub Plug Coverage from 2550'-2300') TOC at 2300'.  
7. TIH with tubing to 1482'. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage from 1480'-1280') TOC tagged at 1267'.  
8. Pick up with tubing to 514'. Mix and pump 288 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.  
9. 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: 4/20/2023 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: 6/23/2023

**CONDITIONS OF APPROVAL, IF ANY:**

**COA Type                      Description**

0 COA	

**Attachment List**

**Att Doc Num              Name**

403379790	FORM 6 SUBSEQUENT SUBMITTED
403379817	CEMENT JOB SUMMARY
403379819	OTHER
403379820	OPERATIONS SUMMARY
403379821	WELLBORE DIAGRAM

Total Attach: 5 Files

**General Comments**

**User Group              Comment    Comment Date**

		Stamp Upon Approval
--	--	---------------------

Total: 0 comment(s)