

FORM 6 Rev 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
	WELL ABANDONMENT REPORT				Document Number: 403381268 Date Received: 04/23/2023

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: <u>69175</u> Name of Operator: <u>PDC ENERGY INC</u> Address: <u>1099 18TH STREET SUITE 1500</u> City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80202</u>	Contact Name: <u>Valerie Danson</u> Phone: <u>(970) 506-9272</u> Fax: _____ Email: <u>valerie.danson@pdce.com</u>
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For "Intent" 24 hour notice required, COGCC contact:	Name: _____ Email: _____	Tel: _____ _____
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Type of Well Abandonment Report: ☐ Notice of Intent to Abandon ☒ Subsequent Report of Abandonment

API Number	<u>05-123-21773-00</u>				
Well Name:	<u>ECKHARDT</u>	Well Number:	<u>44-34</u>		
Location:	QtrQtr: <u>SESE</u>	Section: <u>34</u>	Township: <u>5N</u>	Range: <u>64W</u>	Meridian: <u>6</u>
County:	<u>WELD</u>		Federal, Indian or State Lease Number: _____		
Field Name:	<u>WATTENBERG</u>	Field Number:	<u>90750</u>		

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.350400 Longitude: -104.528578

GPS Data: GPS Quality Value: 2.4 Type of GPS Quality Value: PDOP Date of Measurement: 12/01/2009

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	6500	6775	02/10/2020	B PLUG CEMENT TOP	6440
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	377	265	377	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7010	210	7010	6130	CBL
S.C. 1.1						6130	230	6130	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 2500 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 _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐
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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 147 sacks half in. half out surface casing from 1485 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

Surface Plug Setting Date: 01/24/2023 Cut and Cap Date: 03/10/2023 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 45

*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 44-34 (05-123-21773) / Plugging Procedure

TA'd/Abandoned Formations: Niobrara/Codell 6500' - 6775'

Upper Pierre Aquifer: 380'-1380'

TD: 7010' PBTD: 6950' (11/13/2015)

Surface Casing: 8 5/8" 24# @ 377' w/ 265 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7010' w/ 210 sxs cmt (TOC @ 6130' - CBL)

S.C.C.1. @ 6130' w/ 230 sxs cmt (TOC @ Surface - CBL)

Existing CIBP @ 6440' w/ 2 sxs cmt (2/10/2020)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" Tubing.
2. RU wireline company. TIH and tag dump bail of Existing CIBP @ 6440'.
3. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with tubing to 1485'. RU cementing company. Mix and pump 147 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage from 1480' to Surface) Cement circulate to surface.
5. 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: 4/23/2023 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

403381268	WELL ABANDONMENT REPORT (SUBSEQUENT)
403381269	CEMENT JOB SUMMARY
403381270	OTHER
403381271	OPERATIONS SUMMARY
403381272	WELLBORE DIAGRAM
403443264	FORM 6 SUBSEQUENT SUBMITTED

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)