

Document Number:
 402994769
 Date Received:
 03/24/2022

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: Jessica Johannsen
 Name of Operator: PDC ENERGY INC Phone: (303) 860-5800
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: jessica.johannsen@pdce.com

For "Intent" 24 hour notice required, Name: _____ Tel: _____
 Email: _____
COGCC contact: _____

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-25858-00
 Well Name: LEFFLER Well Number: 44-2
 Location: QtrQtr: SESE Section: 2 Township: 6N Range: 66W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: EATON Field Number: 19350

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.512420 Longitude: -104.738110
 GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 01/16/2009
 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	6965	7282	01/24/2022	B PLUG CEMENT TOP	6915

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	482	400	482	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7436	1095	7436	840	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6915 with 2 sacks cmt on top. CIBP #2: Depth 2500 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 16 sks cmt from 1633 ft. to 1430 ft. Plug Type: CASING Plug Tagged:
Set 341 sks cmt from 758 ft. to 0 ft. Plug Type: STUB PLUG 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 _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged:
Set 20 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: 682 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: 01/25/2022 Cut and Cap Date: 03/14/2022

*Wireline Contractor: Ranger *Cementing Contractor: Duco Inc

Type of Cement and Additives Used: 15.8# 'G'

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Leffler 44-2 (05-123-25858)/Plugging Procedure
Producing Formation: Niobrara/Codell: 6965'-7282'

Upper Pierre Aquifer: 520'-1530'

TD: 7478' PBTD: 7373' (11/24/15)
Surface Casing: 8 5/8" 24# @ 482' w/ 400 sxs cmt
Production Casing: 4 1/2" 11.6# @ 7436' w/ 1095 sxs (TOC @ 800' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
1. RU wireline company.
2. TIH with CIBP. Set BP at 6915'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Nio perfs @ 6965')
3. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with casing cutter. Cut 4 1/2" casing @ 682'. Pull cut casing.
5. TIH with tubing to 1633'. RU cementing company. Mix and pump 16 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage from 1630'-1430') TOC at
6. Pick up with tubing to 758'. Mix and pump 341 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
7. 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: Jessica Johannsen
Title: Regulatory Analyst Date: 3/24/2022 Email: jessica.johannsen@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: 8/11/2022

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

<u>COA Type</u>	<u>Description</u>
0 COA	

Attachment List

Att Doc Num

Name

402994769	FORM 6 SUBSEQUENT SUBMITTED
402994783	CEMENT JOB SUMMARY
402994784	OTHER
402994785	OPERATIONS SUMMARY
402994786	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group

Comment

Comment Date

Engineer	CBL was a strip log and not kept	07/25/2022
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Total: 1 comment(s)