

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:

403405690

Date Received:

05/17/2023

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 05-123-24853-00

Well Name: LUCILLE

Well Number: 1-6I

Location: QtrQtr: NENW

Section: 20

Township: 5N

Range: 64W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: KERSEY

Field Number: 44600

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.390110

Longitude: -104.576200

GPS Data: GPS Quality Value: 2.9

Type of GPS Quality Value: PDOP

Date of Measurement: 03/25/2009

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	6663	6872	02/23/2023	RETAINER/SQUEEZED	6613
CODELL	6960	6977	03/22/2010	B PLUG CEMENT TOP	6930

Total: 2 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	563	438	563	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7118	720	7118	126	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 10 sks cmt from 6612 ft. to 6481 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 6872 ft. with 24 sacks. Leave at least 100 ft. in casing 6613 CICR Depth

Perforate and squeeze at 100 ft. with 20 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 126 sacks half in. half out surface casing from 1450 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: 02/24/2023 Cut and Cap Date: 04/06/2023 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 41

*Wireline Contractor: GreenField Environmental Ops

*Cementing Contractor: GreenField Environmental Ops

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:

Lucille 1-6I (05-123-24853) / Plugging Procedure
Producing Formation: Niobrara: 6663'-6872'

TA'd/Abandoned Formation: Codell: 6960'-6977'

Upper Pierre Aquifer: 350'-1350'

Deepest Water Well: 100' Base of Fox Hills: 139'

TD: 7140' PBTD: 6915' (4/6/2010)

Surface Casing: 8 5/8" 24# @ 563' w/ 430 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7118' w/ 610 sxs (TOC @ 126' - CBL)

Existing CIBP @ 6930' w/ 2 sxs cmt (3/22/2010)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.

1. RU wireline company. TIH and tag dump bail of Existing CIBP @ 6930'.

2. TIH with CICR. Set CICR at 6613'. RU cementing company. Sting in and pump 34 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 34 sxs) cement on top of CICR. (Top of Nio perfs @ 6663') TOC at 6481'.

3. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.

4. TIH with perf gun. Shoot squeeze holes @ 100'.

5. TIH with tubing to 1450'. Mix and pump 126 sxs 15.8#/gal CI G cement down tubing. (Pierre Coverage from 1450' to surface)
Cement circulate to surface.

6. Close off casing returns. Hook up cement line to cement flange and pump 20 sxs 15.8#/gal CI G cement downhole and squeeze through perfs @ 100' into annular space. 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: Valerie Danson
Title: Reg Analyst Date: 5/17/2023 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: 7/17/2023

CONDITIONS OF APPROVAL, IF ANY:

COA Type	Description
0 COA	

Attachment List

Att Doc Num	Name
403405690	FORM 6 SUBSEQUENT SUBMITTED
403405714	CEMENT JOB SUMMARY
403405715	OTHER
403405716	OPERATIONS SUMMARY
403405717	WELLBORE DIAGRAM

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)