

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

Document Number:

402860048

Date Received:

11/02/2021

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 05-123-14039-00

Well Name: VONFELDT

Well Number: 13-12

Location: QtrQtr: SWSW

Section: 12

Township: 6N

Range: 65W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 56191

Field Name: GREELEY

Field Number: 32760

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.495307

Longitude: -104.618470

GPS Data: GPS Quality Value: 2.7 Type of GPS Quality Value: Date of Measurement: 02/04/2010

Reason for Abandonment:


☐ Production Sub-economic

☐ Mechanical Problems

☐ Other

Casing to be pulled:



Estimated Depth:

Fish in Hole:



If yes, explain details below

Wellbore has Uncemented Casing leaks:



If yes, explain details below

Details:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7064	7074	07/21/2021	B PLUG CEMENT TOP	7014

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	318	220	318	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7175	160	7175	6000	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7014 with 2 sacks cmt on top. CIBP #2: Depth 6738 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 <u>10</u> sks cmt from <u>3376</u> ft. to <u>3245</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>100</u> sks cmt from <u>1663</u> ft. to <u>1410</u> ft.	Plug Type: <u>STUB PLUG</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"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 3562 ft. with 76 sacks. Leave at least 100 ft. in casing 3377 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 430 sacks half in. half out surface casing from 717 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: 1610 ft. of 4+1/2 inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: 42
 Surface Plug Setting Date: 07/22/2021 Cut and Cap Date: 09/02/2021

*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:

Vonfeldt 13-12 (05-123-14039) Plugging Procedure
 Producing Formation: Codell: 7064'-7074'

Upper Pierre Aquifer: 500'-1510'

Deepest Water Well: 400'

TD: 7181' PBTD: 7161' (9/24/2014)

Surface Casing: 8 5/8" 24# @ 318' w/ 220 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7175' w/ 160 sxs (TOC @ 6000' – CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" Tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7014'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7064')
4. TIH with CIBP. Set BP at 6738'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6788')
5. Ran a CBL from 3700' to Surface.
6. TIH with perf gun. Shoot lower squeeze holes at 3562' and upper squeeze holes at 3362'.
7. TIH with CICR. Set CICR at 3377'. RU cementing company. Sting in and pump (until pressures out) 86 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 86 sxs) cement on top of CICR. (Top of Parkman @ 3612') TOC at 3245'.
8. TIH with casing cutter. Cut 4 1/2" casing @ 1610'. Pull cut casing.
9. TIH with tubing to 1663'. RU cementing company. Mix and pump 100 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1660'-1410') TOC at 1410'.
10. Pick up tubing to 717'. Mix and pump 430 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
11. 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 Tech Date: 11/2/2021 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: 12/15/2021

CONDITIONS OF APPROVAL, IF ANY:

Condition of Approval

COA Type

Description

0 COA	

Attachment List

Att Doc Num

Name

402860048	FORM 6 SUBSEQUENT SUBMITTED
402860338	CEMENT BOND LOG
402860339	CEMENT JOB SUMMARY
402860340	OTHER
402860341	OPERATIONS SUMMARY
402860343	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)