

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



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Replug By Other Operator

Document Number:

402818647

Date Received:

09/21/2021

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 05-123-05377-00
 Well Name: FRED HOFFNER Well Number: 1
 Location: QtrQtr: NWNE Section: 14 Township: 7N Range: 66W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WILDCAT Field Number: 99999

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.580650 Longitude: -104.742160
 GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Date of Measurement: 04/13/2021
 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

Total: 0 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	396	250	396	0	VISU
OPEN HOLE	7+7/8		J55		396	9350				

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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	344	sks cmt from	7050	ft. to	6550	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" type="checkbox"/>
Set	307	sks cmt from	3508	ft. to	3000	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input type="checkbox"/>
Set	123	sks cmt from	1770	ft. to	1537	ft.	Plug Type: OPEN HOLE	Plug Tagged: <input checked="" 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 _____ 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 250 sacks half in. half out surface casing from 730 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: 06/19/2021 Cut and Cap Date: 06/25/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 6

*Wireline Contractor: _____ *Cementing Contractor: Magnum Cementing Services
 Type of Cement and Additives Used: Class G 15.8 PPG MAG G Cement & Type III 14.1 PPG MAG S Cement
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

Fred Hoffner 1 (05-123-05377)/Re-Enter to Re-Plug Procedure
 Abandoned Formation: N/A DA well (11/16/1963)
 Upper Pierre Aquifer: 630'-1670'
 Depest Water Well: 300'
 TD: 9343'
 Surface Casing: 8 5/8" 24# @ 396' w/ 250 sxs cmt
 Open Hole: 7 7/8"??? @ 9343' (Open Hole OD is assumed)
 Existing Plugs: 396'-315' (25 sx cmt), 48' to surface (15 sx cmt)
 Procedure:
 1. Dig out to find wellhead and check pressure.
 2. Cut cap off, extend surface pipe to achieve ground level.
 3. MIRU WO unit, ND wellhead, NU BOP, tally all pipe to be ran in well.
 4. Mill cement, cement btm is assumed to be 396' at base of surface casing.
 5. Wash run down to Niobrara @ 7099'.
 6. PU tubing to 7050'. RU cementing company. Mix and pump 344 sxs 15.8#/gal Class G MAG G cement down tubing (Coverage from 7050'-6550'). PU tubing above plug and SI well. (Top of Nio @ 7097')
 a. Wait 4 hours and tagged TOC at 6550'.
 7. PU tubing to 3508'. RU cementing company. Mix and pump 307 sxs 14.1#/gal Type III MAG S cement down tubing (Coverage from 3500'-3000'). TOC at 3000'.
 8. PU tubing to 1770'. RU cementing company. Mix and pump 123 sxs 14.1#/gal Type III MAG S cement down tubing (Pierre Aquifer coverage from 1770'-1570'). PU tubing above plug and SI well.
 a. Wait 4 hours and tagged TOC at 1537'.
 9. PU tubing to 730'. RU cementing company. Mix and pump 250 sxs 14.1#/gal Type III MAG S cement down tubing. Cement circulate to surface.
 10. RDMO WO unit. Remove extension of surface pipe.
 11. Weld on cap with ID plate, inscribed with well location, and identity. Backfill, clean location. Re-Entry complete.

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: 9/21/2021 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: 11/30/2021

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**

402818647	FORM 6 SUBSEQUENT SUBMITTED
402818681	CEMENT JOB SUMMARY
402818683	OTHER
402818684	OTHER
402818685	OPERATIONS SUMMARY
402818686	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

User Group **Comment**

Comment Date

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)