

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:

402649952

Date Received:

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 05-123-21940-00

Well Name: BOOTH

Well Number: 14-35

Location: QtrQtr: SWSW Section: 35 Township: 7N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.524810

Longitude: -104.638060

GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: Date of Measurement: 08/15/2006

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes ☐ No Estimated Depth:Fish in Hole: ☐ Yes ☐ No If yes, explain details belowWellbore 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
CODELL	7142	7152	02/09/2021	B PLUG CEMENT TOP	7092

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	406	300	406	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7349	140	7349	6440	CBL
S.C. 1.1						6440	420	6440	3211	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7092 with 2 sacks cmt on top. CIBP #2: Depth 6814 with 2 sacks cmt on top.
CIBP #3: Depth 3735 with 2 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 100 sks cmt from 1460 ft. to 1260 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: ☐
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 314 sacks half in. half out surface casing from 606 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: 1450 ft. of 4+1/2 inch casing

Surface Plug Setting Date: 02/10/2021 Cut and Cap Date: 02/20/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 10

*Wireline Contractor: Rocky Mtn 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:

Booth 14-35 (05-123-21940)/Plugging Procedure
Producing Formation: Codell: 7142'-7152'
Water Well (1-mile): 320'
Upper Pierre Aquifer: 380'-1360'
TD: 7360' PBD: 7339' (3/12/2004)
Surface Casing: 8 5/8" 24# @ 406' w/ 300 sx cmt
Production Casing: 4 1/2" 10.5# @ 7349' w/ 560 sx cmt (TOC @ 3211' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7092'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 7142')
4. TIH with CIBP. Set BP at 6814'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6864')
5. TIH with CIBP. Set BP at 3735'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Parkman @ 3785')
6. Ran a Strip Log from 2800' to Surface (for casing cut verification, showed inconclusive cement bond). Unlanded casing, did a stretch calculation, then contacted the State and moved forward with the approved procedure change.
7. TIH with casing cutter. Cut 4 1/2" casing @ 1450'. Pull cut casing.
8. Wait sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations.
9. TIH with tubing to 1460'. RU cementing company. Mix and pump 100 sx 15.8#/gal CI G cement down tubing. (Pierre coverage from 1460'-1260') TOC at 1260'.
10. Pick up tubing to 606'. Mix and pump 314 sx 15.8#/gal CI G cement down tubing. Cement circulate to surface.
11. Cut surface casing 6' below ground level and weld on cap.

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: _____ 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: _____ Date: _____

CONDITIONS OF APPROVAL, IF ANY:

COA Type Description

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Attachment List

Att Doc Num Name

402649964	CEMENT BOND LOG
402649966	CEMENT JOB SUMMARY
402649969	OTHER
402649974	OTHER
402649976	OPERATIONS SUMMARY
402649981	WELLBORE DIAGRAM

Total Attach: 6 Files

General Comments

User Group Comment Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)