

FORM

6

Rev
02/20

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:

402513416

Date Received:

10/17/2020

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 05-123-29968-00

Well Name: WALKER

Well Number: 13-10

Location: QtrQtr: NWSW

Section: 10

Township: 6N

Range: 63W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 19990086

Field Name: WATTENBERG

Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.498810

Longitude: -104.429750

GPS Data: GPS Quality Value: 3.4

Type of GPS Quality Value:

Date of Measurement: 08/04/2006

GPS Instrument Operator's Name: C.A. TRACY

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
CODELL	6744	6752	09/18/2020	B PLUG CEMENT TOP	6694

Total: 1 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
SURF	12+1/4	8+5/8	24	499	350	499	0	VISU
1ST	7+7/8	4+1/2	10.5	6,917	145	6,917	6,025	CBL
S.C. 1.1				6,025	460	6,025	140	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6694 with 2 sacks cmt on top. CIBP #2: Depth 6408 with 2 sacks cmt on top.
CIBP #3: Depth 2800 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 120 ft. with 24 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 137 sacks half in. half out surface casing from 1660 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

Cut and Cap Date: 09/18/2020

*Wireline Contractor: Rocky Mtn Wireline Services

*Cementing Contractor: NexTier 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:

Walker 13-10 (05-123-29968)/Plugging Procedure
Producing Formation: Codell: 6744'-6752'
Upper Pierre Aquifer: 510'-1560'
TD: 6920' PBD: 6917' (Original PBD)
Surface Casing: 8 5/8" 24# @ 499' w/ 350 sxs cmt
Production Casing: 4 1/2" 10.5# @ 6917' w/ 605 sxs cmt (TOC @ 140' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6694'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perms @ 6744')
4. TIH with CIBP. Set BP at 6408'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6458')
5. TIH with CIBP. Set BP at 2800'. Top with 2 sxs 15.8#/gal CI G cement.
6. Run a CBL from 600' to Surface for perf shot verification (log not kept).
7. TIH with perf gun. Shoot squeeze holes @ 120'.
8. TIH with tubing to 1660'. RU cementing company. Mix and pump 137 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
9. Close off casing returns. Hook up cement line to cement flange and pump 24 sxs 15.8#/gal CI G cement downhole and squeeze through perforations @ 120' into annular space. Cement circulate to surface.
10. 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: 10/17/2020 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 by _____, Nick

COGCC Approved:

Date: 2/26/2021

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>
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Attachment List

<u>Att Doc Num</u>	<u>Name</u>
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402513416	FORM 6 SUBSEQUENT SUBMITTED
402513417	CEMENT JOB SUMMARY
402513418	OPERATIONS SUMMARY
402513419	WELLBORE DIAGRAM

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
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Engineer	GPS location appears accurate on satellite imagery. Ops notice given. Pre-PA BH test filed. Form 7 reporting PA status. Flowline registered. Zones and casing history are consistent with approved intent. Procedure, WBD and tickets are consistent.	02/26/2021
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Total: 1 comment(s)