

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:

402657077

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 05-123-24594-00

Well Name: GROVES

Well Number: 44-34

Location: QtrQtr: SESE

Section: 34

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: 40.524530

Longitude: -104.641420

GPS Data: GPS Quality Value: 2.8 Type of GPS Quality Value: Date of Measurement: 01/27/2007

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 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-CODELL	6870	7160	02/18/2021	B PLUG CEMENT TOP	6820

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	677	480	677	0	VISU
1ST	7+7/8	4+1/2	J55	10.5	0	7331	725	7331	225	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6820 with 2 sacks cmt on top. CIBP #2: Depth 3730 with 2 sacks cmt on top.
 CIBP #3: Depth 2500 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 31 sks cmt from 1560 ft. to 1160 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 200 ft. with 55 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 85 sacks half in. half out surface casing from 877 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: 02/18/2021 Cut and Cap Date: 02/23/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 5

*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:

Groves 44-34 (05-123-24594)/Plugging Procedure
 Producing Formation: Niobrara/Codell: 6870'-7160'
 Water Well (1-mile): 332'
 Upper Pierre Aquifer: 380'-1360'
 TD: 7352' PBTD: 7314' (2/6/2007)
 Surface Casing: 8 5/8" 24# @ 677' w/ 480 sx cmt
 Production Casing: 4 1/2" 10.5# @ 7331' w/ 725 sx cmt (225' - CBL)

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6820'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6856')
4. TIH with CIBP. Set BP at 3730'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Parkman @ 3780')
5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
6. Run a Strip Log from 600' to Surface (for perf shot verification, log not kept).
7. TIH with perf gun. Shoot squeeze holes @ 200'.
8. TIH with tubing to 1560'. RU cementing company. Mix and pump 31 sxs 15.8#/gal CI G cement down tubing (Pierre coverage 1560'-1160'). TOC at 1160'.
9. PU tubing to 877'. Mix and pump 85 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
10. Close off casing returns. Hook up cement line to cement flange and pump 55 sxs 15.8#/gal CI G cement downhole and squeeze through perfs @ 200' into annular space. 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

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

Attachment List

Att Doc Num	Name
402657099	CEMENT JOB SUMMARY
402657100	OTHER
402657103	WELLBORE DIAGRAM
402657104	OPERATIONS SUMMARY

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)