

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



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Document Number:

402579206

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: Jenifer Hakkarinen

Name of Operator: PDC ENERGY INC

Phone: (303) 8605800

Address: 1775 SHERMAN STREET - STE 3000

Fax:

City: DENVER State: CO Zip: 80203

Email: JEnifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required,

Name: Santistevan, Brittani

Tel: (720) 471-1110

COGCC contact:

Email: brittani.santistevan@state.co.us

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: 01/22/2007

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 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
NIOBRARA-CODELL	6870	7160			

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	J-55	24	0	677	480	677	0	VISU
1ST	7+7/8	4+1/2	J-55	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. CIPB #2: Depth 3730 with 2 sacks cmt on top.
 CIBP #3: Depth 2500 with 2 sacks cmt on top. CIPB #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>31</u> sks cmt from <u>1560</u> ft. to <u>1160</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>68</u> sks cmt from <u>877</u> ft. to <u>0</u> ft.	Plug Type: <u>CASING</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 200 ft. with 41 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 _____ sacks half in. half out surface casing from _____ ft. to _____ 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 Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
 Surface Plug Setting Date: _____ Cut and Cap Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No

Technical Detail/Comments:

Groves 44-34 (05-123-24594)/Plugging Procedure (Intent)
 Producing Formation: Niobrara/Codell: 6870'-7160'
 Water Well (1-mile): 332'
 Upper Pierre Aquifer: 380'-1360'
 TD: 7352' PBD: 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 (CBL)

Tubing: 2 3/8" tubing set @ 7138' (2/6/2007)

Proposed Procedure:

1. MIRU.
2. Pull tubing.
3. RU wireline.
4. RIH with CIBP. Set BP at 6820'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6856')
5. RIH with CIBP. Set BP at 3730'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Parkman @ 3780')
6. RIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
7. RIH 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 1160'-1560').
9. PU tubing to 877'. Mix and pump 68 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. LD tubing.
10. Close off casing returns. Hook up cement line to cement flange and pump 41 sxs 15.8#/gal CI G cement downhole and squeeze through perforations into annular space. Cement should 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: Jenifer Hakkarinen

Title: Reg Tech

Date: _____

Email: Jenifer.Hakkarinen@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: _____

Expiration Date: _____

COA Type

Description

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Attachment List

Att Doc Num

Name

402579225	WELLBORE DIAGRAM
402579226	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)