

FORM

6

Rev  
05/18

## 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:

402213565

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: Evins, Bret

Tel: (970) 420-6699

COGCC contact:

Email: bret.evins@state.co.us

API Number 05-123-23178-00

Well Name: WELLS RANCH

Well Number: 11-2

Location: QtrQtr: NWNW

Section: 2

Township: 5N

Range: 63W

Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

## Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.433310

Longitude: -104.410580

GPS Data:

Date of Measurement: 10/16/2006

PDOP Reading: 2.9

GPS Instrument Operator's Name: H.L. TRACY

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 1700

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	6665	6673			

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	396	245	396	0	VISU
1ST	7+7/8	4+1/2	10.5	6,793	432	6,793	2,560	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6615 with 2 sacks cmt on top. CIBP #2: Depth 6346 with 2 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 93 sks cmt from 1750 ft. to 1400 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 199 sks cmt from 596 ft. to 0 ft. Plug Type: OPEN HOLE 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 \_\_\_\_\_ 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. \_\_\_\_\_ inch casing Cut and Cap Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Wells Ranch 11-2 (05-123-231780000) Proposed Plugging Procedure  
Existing Perforations: Codell: 6665' – 6673'

Top of Niobrara: 6396'  
Upper Pierre Aquifer: 900' – 1600'  
TD: 6889' PBTD: 6793'  
Surface Casing: 8 5/8" 24# set @ 396' w/ 245 sxs cmt  
Production Casing: 4 1/2" 10.5# set @ 6793' w/ 432 sxs cmt (CBL TOC @ 2560')

Existing Tubing: 206 jts 2 3/8" tubing set @ 6651'

Proposed Procedure:

1. MIRU WO equipment.
2. Load and kill well.
3. POOH w/ 2-3/8" tbq.
4. PU CIBP.
5. RIH and set @ 6615' (50' above Codell perms).
6. PU dump bailer w/ 2 sxs cmt.
7. RIH and spot cmt on top of CIBP from 6588' – 6614'.
8. POOH w/ bailer.
9. PU CIBP.
10. RIH and set @ 6346' (50' above Nio top)
11. PU dump bailer w/ 2 sxs cmt.
12. RIH and spot cmt on top of CIBP from 6345' – 6319'
13. POOH
14. WOC.
15. Pressure test 4.5" production csg. Hunt holes if failed. Report back.
16. If pass PU csg cutter.
17. RIH and cut 4.5" csg @ 1700'.
18. POOH w/ cutter.
19. Spear into csg and pull cut section.
20. PU work string.
21. RIH and spot a 93 sx balance plug from 1750' – 1400' (50' into csg stub and across Pierre Base).
22. TOOH and spot a 199 sx balance plug from 596' – surface (covering Surface Shoe)
23. POOH and WOC.
24. Top off remaining cmt.
25. Cut, cap, and fill.
26. RDMO WO equipment.

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: \_\_\_\_\_ Expiration Date: \_\_\_\_\_

COA Type	Description
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**Attachment Check List**

Att Doc Num	Name
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402213646	WELLBORE DIAGRAM
402213647	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

User Group	Comment	Comment Date
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		Stamp Upon Approval
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Total: 0 comment(s)