

FORM
6Rev
05/18State 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:

402229118

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 05-123-23170-00

Well Name: WELLS RANCH

Well Number: 24-2

Location: QtrQtr: SESW 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: 40.423470

Longitude: -104.407140

GPS Data:

Date of Measurement: 10/16/2006

PDOP Reading: 3.5

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

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 1650

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	6631	6639	12/01/2017	BRIDGE PLUG	6571

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	404	280	404	0	VISU
1ST	7+7/8	4+1/2	10.5	6,798	430	6,798	2,438	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6581 with 2 sacks cmt on top. CIBP #2: Depth 6318 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 1700 ft. to 1350 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 184 sks cmt from 604 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 24-2 (05-123-231700000) Proposed Plugging Procedure
Existing Perforations: Codell: 6631' – 6639'

Top of Niobrara: 6368'
Upper Pierre Aquifer: 850' – 1550'
TD: 6800' PBTD: 6776'
Surface Casing: 8-5/8" 24# set @ 404' w/ 280 sxs cmt
Production Casing: 4-1/2" 10.5# set @ 6798' w/ 430 sxs cmt (CBL TOC @ 2438')
Existing RBP @ 6571' w/ 6 sxs sand (12/1/2017)

Existing Tubing: 192 jts 2-3/8" 4.7# J55 set @ 6227'

Proposed Procedure:

1. MIRU WO equipment.
2. Load and kill well.
3. TIH tag and circulate sand off retrievable plug.
4. TIH and release retrievable plug.
5. POOH w/ tbq and plug.
6. PU CIBP.
7. RIH and set @ 6581' (50' above Codell perms).
8. PU dump bailer w/ 2 sxs cmt.
9. RIH and spot cmt on top of CIBP from 6554' – 6580'.
10. POOH w/ bailer.
11. PU CIBP.
12. RIH and set @ 6318' (50' above Nio top)
13. PU dump bailer w/ 2 sxs cmt.
14. RIH and spot cmt on top of CIBP from 6291' – 6317'
15. POOH
16. WOC.
17. Pressure test 4.5" production csg. Hunt holes if failed. Report back.
18. If pass PU csg cutter.
19. RIH and cut 4.5" csg @ 1650'.
20. POOH w/ cutter.
21. Spear into csg and pull cut section.
22. PU work string.
23. RIH and spot a 93 sx balance plug from 1700' – 1350' (50' into csg stub and across Pierre Base).
24. TOOH and spot a 184 sx balance plug from 604' – surface (covering Surface Shoe)
25. POOH and WOC.
26. Top off remaining cmt.
27. Cut, cap, and fill.
28. 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: _____

<u>COA Type</u>	<u>Description</u>
-----------------	--------------------

--	--

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
--------------------	-------------

402229176	WELLBORE DIAGRAM
402229177	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)