

FORM
6Rev
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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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: 05-123-26858-00	Well Number: 36C
Well Name: WELLS RANCH	
Location: QtrQtr: SENE Section: 36 Township: 6N Range: 63W Meridian: 6	
County: WELD	Federal, Indian or State Lease Number: 9518.8
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: 40.446530	Longitude: -104.380500
GPS Data:	
Date of Measurement: 07/28/2008	PDOP Reading: 1.5
GPS Instrument Operator's Name: HOLLY L. TRACY	
Reason for Abandonment: <input type="checkbox"/> Dry <input checked="" type="checkbox"/> Production Sub-economic <input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Estimated Depth:
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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	6464	6639			
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	510	400	510	0	VISU
1ST	7+7/8	4+1/2	10.5	6,794	230	6,794	5,298	CBL
			Stage Tool	4,487	410	4,487	470	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6414 with 2 sacks cmt on top. CIBP #2: Depth _____ with _____ 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 <u>40</u> sks cmt from <u>4735</u> ft. to <u>4235</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>1800</u> ft. to <u>1300</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>60</u> sks cmt from <u>710</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"/>

Perforate and squeeze at 455 ft. with 120 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 Plugging 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 36C (05-123-26858)/Plugging Procedure (Intent)

Producing Formation: Niobrara/Codell: 6464'-6639'

Upper Pierre Aquifer: 510'-1570'

TD: 7340' PBTD: 6746'

Surface Casing: 8 5/8" 24# @ 510' w/ 400 sxs

Production Casing: 4 1/2" 10.5# @ 6794' w/ 230 sxs cmt (TOC @ 5298' - CBL).

DV Tool @ 4485' w/ 410 sxs cmt (4487'-470' - CBL).

Tubing: 2 3/8" tubing set @ 6621' (4/17/2014).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.

2. RU wireline company.

3. TIH with CIBP. Set BP at 6414'. Top with 2 sxs 15.8#/gal CI G cement.

4. TIH with tubing to 4735'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (DV Tool coverage from 4735'-4235'). TOOH with tubing.

5. Pick up tubing to 1800'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1800'-1300'). TOOH with tubing.

6. TIH with perforation gun. Shoot 2 holes for annular squeeze at 455' @ 1 SPF or preferred.

7. TIH with tubing to 710'. Mix and pump 60 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.

8. Close off casing returns. Hook up cement line to cement flange and pump 120 sxs 15.8#/gal CI G cement downhole and squeeze through perforations at 455' into annular space. Cement should circulate to surface.

9. 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: 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

Attachment Check List

Att Doc Num	Name
401974730	WELLBORE DIAGRAM
401974731	WELLBORE DIAGRAM
401974732	GYRO SURVEY

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)