

**FORM**  
**6**  
Rev  
02/20

**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: 402288100			
Date Received: 01/16/2020			

**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: <u>69175</u>	Contact Name: <u>Valerie Danson</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(970) 506-9272</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>valerie.danson@pdce.com</u>

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_

**COGCC contact:** \_\_\_\_\_

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number <u>05-123-22789-00</u>	Well Name: <u>WELLS RANCH</u>	Well Number: <u>23-2</u>
Location: QtrQtr: <u>NESW</u> Section: <u>2</u> Township: <u>5N</u> Range: <u>63W</u> Meridian: <u>6</u>	County: <u>WELD</u> Federal, Indian or State Lease Number: _____	
Field Name: <u>WATTENBERG</u>	Field Number: <u>90750</u>	

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

Latitude: 40.426560 Longitude: -104.406500

GPS Data: GPS Quality Value: 4.3 Type of GPS Quality Value: PDOP Date of Measurement: 10/16/2006

GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing 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
CODELL	6631	6639	12/18/2019	B PLUG CEMENT TOP	6581

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	410	230	410	0	VISU
1ST	7+7/8	4+1/2	10.5	6,801	140	6,801	6,002	CBL
S.C. 1.1				6,002	290	6,002	2,712	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6581 with 2 sacks cmt on top. CIBP #2: Depth 6298 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 130 sks cmt from 1808 ft. to 1450 ft. Plug Type: STUB PLUG 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 \_\_\_\_\_ 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 220 sacks half in. half out surface casing from 613 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: 1750 ft. 4+1/2 inch casing Cut and Cap Date: 12/19/2019  
 of \_\_\_\_\_  
 \*Wireline Contractor: Ranger Energy Services \*Cementing Contractor: NexTier  
 Type of Cement and Additives Used: Type III 14.8 PPG Portland Cement  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

#### Technical Detail/Comments:

Wells Ranch 23-2 (05-123-22789) Plugging Procedure  
 Producing Formation: Codell: 6631' – 6639'  
 Top of Niobrara: 6348'  
 Upper Pierre Aquifer: 850' – 1650'  
 TD: 6818' PBTD: 6787'  
 Surface Casing: 8-5/8" 24# set @ 410' w/ 230 sxs cmt  
 Production Casing: 4-1/2" 10.5# set @ 6801' w/ 465 sxs cmt (TOC @ 2712' - CBL)  
 Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company.  
 3. TIH with CIBP. Set BP at 6581'. Top with 2 sxs 15.8#/gal CI G cement (50' above Codell perms).  
 4. TIH with CIBP. Set BP at 6298' Top with 2 sxs 15.8#/gal CI G cement (50' above Nio top)  
 5. Run CBL from 2000' to Surface.  
 6. TIH with casing cutter. Cut 4 1/2" casing at 1750'. Pull cut casing.  
 7. TIH with tubing to 1808'. RU cementing company. Mix and pump 130 sxs 14.8#/gal Type III cement down tubing (Pierre coverage 1800' – 1450'). TOC at 1450'.  
 8. TIH with tubing to 613'. Mix and pump 220.5 sxs 14.8#/gal Type III cement down tubing. Cement 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: 1/16/2020 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: Jacobson, Eric

Date: 8/27/2020

**CONDITIONS OF APPROVAL, IF ANY:**

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

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
402288100	FORM 6 SUBSEQUENT SUBMITTED
402288117	CEMENT BOND LOG
402288118	CEMENT JOB SUMMARY
402288119	OPERATIONS SUMMARY
402288120	WELLBORE DIAGRAM

Total Attach: 5 Files

**General Comments**

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

Total: 0 comment(s)