

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

API Number: <u>05-123-23173-00</u>	Well Number: <u>13-2</u>
Well Name: <u>WELLS RANCH</u>	
Location: QtrQtr: <u>NWSW</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>

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.426720 Longitude: -104.411310

GPS Data:  
 Date of Measurement: 10/16/2006 PDOP Reading: 2.7 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: \_\_\_\_\_

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	6640	6648	12/16/2019	B PLUG CEMENT TOP	6590

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	409	285	409	0	VISU
1ST	7+7/8	4+1/2	10.5	6,842	425	6,842	2,670	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6590 with 2 sacks cmt on top. CIBP #2: Depth 6320 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 128 sks cmt from 1724 ft. to 1350 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 227 sacks half in. half out surface casing from 618 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: 1650 ft. 4+1/2 inch casing Cut and Cap Date: 12/17/2019  
 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 \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Wells Ranch 13-2 (05-123-23173) Plugging Procedure  
 Producing Formation: Codell: 6640' – 6648'  
 Top of Niobrara: 6370'  
 Upper Pierre Aquifer: 850' – 1550'  
 TD: 6853' PBTD: 6828'  
 Surface Casing: 8-5/8" 24# set @ 409' w/ 285 sxs cmt  
 Production Casing: 4-1/2" 10.5# set @ 6842' w/ 425 sxs cmt (TOC @ 2670'- CBL)  
 Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company.  
 3. TIH with CIBP. Set BP at 6590'. Top with 2 sxs 15.8#/gal Cl G cement (50' above Codell perms).  
 4. TIH with CIBP. Set BP at 6320'. Top with 2 sxs 15.8#/gal Cl G cement (50' above Nio top)  
 5. Run Strip Log from 2750' to Surface for casing cut verification (Log not kept).  
 6. TIH with casing cutter. Cut 4 1/2" casing at 1650'. Pull cut casing.  
 7. TIH with tubing to 1724'. RU cementing company. Mix and pump 128 sx 14.8#/gal Type III cement down tubing (Pierre coverage 1700' – 1350'). TOC at 1350'.  
 8. TIH with tubing to 618'. Mix and pump 227.3 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: \_\_\_\_\_ 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:**

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

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
402285389	CEMENT JOB SUMMARY
402285393	OPERATIONS SUMMARY
402285394	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

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

Total: 0 comment(s)