

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



DE	ET	OE	ES
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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: Silver, Randy Tel: (720) 827-6688	
COGCC contact: Email: randy.silver@state.co.us	

API Number: 05-123-13432-00	Well Number: 13-4
Well Name: L.F. RANCH	
Location: QtrQtr: NWNW Section: 13 Township: 3N Range: 64W Meridian: 6	
County: WELD	Federal, Indian or State Lease Number: 67351
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: 40.229830	Longitude: -104.505420
GPS Data:	
Date of Measurement: 06/10/2008	PDOP Reading: 1.3
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 1700
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	6590	6870			
J SAND	7279	7310	01/18/1988	B PLUG CEMENT TOP	7125
Total: 2 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	341	200	341	0	VISU
1ST	7+7/8	4+1/2	15.1	7,352	290	7,352	5,830	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6540 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>255</u> sks cmt from <u>1815</u> ft. to <u>1400</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>335</u> sks cmt from <u>541</u> ft. to <u>0</u> ft.	Plug Type: <u>OPEN HOLE</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"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 4500 ft. with 260 sacks. Leave at least 100 ft. in casing 4015 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:

L.F. Ranch 13-4 (05-123-13432)/Plugging Procedure (Intent)  
 Producing Formation: J-Sand: 7279'-7310' Codell/Niobrara: 6590'-6870'  
 Upper Pierre Aquifer: 652'-1540'  
 TD: 7376' PBD: 7125'

Surface Casing: 8 5/8" 24# @ 341' w/ 200 sxs

Production Casing: 4 1/2" 15.1# @ 7352' w/ 290 sxs cmt (TOC @ 5830' - COGCC Wellbore Diagram).

Existing CIBP @ 7125' (1/18/1988).

Tubing: Possible 2 3/8" tubing set @ 6844' (4/22/2005).

Proposed Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. At 7125' +, dumpbail 2 sxs cement on existing CIBP.
4. TIH with CIBP. Set BP at 6540'. Top with 2 sxs cmt.
5. Run CBL from 6500' - surface to confirm TOC.
6. TIH with perforation gun. Shoot lower squeeze holes at 4500' for Sussex coverage. Shoot upper squeeze holes at 4000'.
7. Set CICR at 4015'. RU cementing company. Sting in and pump 260 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs on top of CICR. TOOH with tubing.
8. TIH with casing cutter. Cut 4 1/2" casing at 1700'. Pull cut casing.
9. TIH with tubing to 1815'. RU cementing company. Mix and pump 255 sxs 15.8#/gal CI G cement w/ 2% CaCl down tubing (Pierre coverage from 1815'-1400').
10. Pick up tubing to 541'. Mix and pump 335 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.
11. 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**

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**Attachment Check List**

**Att Doc Num** **Name**

401906872	WELLBORE DIAGRAM
401906881	WELLBORE DIAGRAM
401906882	GYRO SURVEY

Total Attach: 3 Files

**General Comments**

**User Group** **Comment** **Comment Date**

		Stamp Upon Approval
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Total: 0 comment(s)