

**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



DE	ET	OE	ES
Document Number: 401712207			
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: <u>69175</u>	Contact Name: <u>Jenifer Hakkarinen</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(303) 8605800</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>Jenifer.Hakkarinen@pdce.com</u>
<b>For "Intent" 24 hour notice required,</b> Name: <u>Evins, Bret</u> Tel: <u>(970) 420-6699</u>	
<b>COGCC contact:</b> Email: <u>bret.evins@state.co.us</u>	

API Number <u>05-123-31408-00</u>	Well Name: <u>Wells Ranch</u>	Well Number: <u>10F</u>
Location: QtrQtr: <u>SWNW</u> Section: <u>10</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: 40.417280      Longitude: -104.431970

GPS Data:  
Date of Measurement: 08/17/2010      PDOP Reading: 1.7      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	6713	6719			
NIOBRARA	6486	6606			
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	531	380	531	0	VISU
1ST	7+7/8	4+1/2	11.6	6,849	1,027	6,849	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6436 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 40 sks cmt from 1800 ft. to 1300 ft. Plug Type: CASING Plug Tagged:   
 Set 60 sks cmt from 731 ft. to 0 ft. Plug Type: CASING 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 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 10F (05-123-31408)/Plugging Procedure (Intent)  
 Producing Formation: Codell: 6713'-6719' Niobrara: 6486'-6606'  
 Upper Pierre Aquifer: 490'-1550'  
 TD: 6874' PBTD: 6843'  
 Surface Casing: 8 5/8" 24# @531' w/ 380 sxs cmt  
 Production Casing: 4 1/2" 11.6# @ 6849.2' w/ 1027 sxs cmt (TOC @ Surface' – CBL).  
 Tubing: 2 3/8" tubing set @ 6697' (07/27/2010).  
 Proposed Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company.  
 3. TIH with CIBP. Set BP at 6436'. Top with 2 sxs 15.8#/gal CI G cement.  
 4. TIH w/ tubing to 1800'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1800'-1300').  
 5. Pickup tubing to 731'. Mix and pump 60 sxs 15.8#/gal CL G cement down tubing. Cement should circulate to surface. TOOH with tubing.  
 6. 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: Jenifer Hakkarinen  
 Title: Reg Tech Date: \_\_\_\_\_ Email: JEnifer.Hakkarinen@pdce.com

