

**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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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>Montoya, John</u> Tel: <u>(970) 397-4124</u>	
<b>COGCC contact:</b> Email: <u>john.montoya@state.co.us</u>	

API Number <u>05-123-19536-00</u>	Well Number: <u>33-34</u>
Well Name: <u>MININGER</u>	
Location: QtrQtr: <u>NWSE</u> Section: <u>34</u> Township: <u>6N</u> Range: <u>65W</u> Meridian: <u>6</u>	
County: <u>WELD</u> Federal, Indian or State Lease Number: <u>55612</u>	
Field Name: <u>GREELEY</u> Field Number: <u>32760</u>	

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.440610 Longitude: -104.647250

GPS Data:  
Date of Measurement: 10/16/2010 PDOP Reading: 1.6 GPS Instrument Operator's Name: Steve Cure

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	6976	6986			
NIOBRARA	6682	6816			
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	364	295	364	0	VISU
1ST	7+7/8	3+1/2	9.2	7,208	290	7,208	6,350	CBL
S.C. 1.1				3,166	640	3,166	0	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6632 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 25 sks cmt from 3047 ft. to 2547 ft. Plug Type: CASING Plug Tagged:   
 Set 25 sks cmt from 1600 ft. to 1100 ft. Plug Type: CASING Plug Tagged:   
 Set 25 sks cmt from 564 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:

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:

Mininger 33-34 (05-123-19536)/Plugging Procedure (Intent)  
 Producing Formation: Codell: 6976'-6986' Niobrara: 6682'-6816'  
 Upper Pierre Aquifer: 394'-1301'  
 TD: 7225' PBTD: 7067'  
 Surface Casing: 8 5/8" 24# @364' w/ 295 sxs cmt  
 Production Casing: 3 1/2" 9.2# @ 7208' w/ 290 sxs cmt (TOC @ 6350' – CBL).  
 Annular Fill @ 3166' w/ 640 sxs cmt including a Casing Patch @ 2797 (TOC @ Surface' – Well History).

Tubing: 2 3/8" tubing set @ 6966' (3/15/2010).  
 Proposed Procedure:  
 1. Run gyro survey.  
 2. MIRU pulling unit. Pull 2 3/8" tubing.  
 3. RU wireline company.  
 4. Run CBL from 6500'- surface to confirm annular fill cement goes to surface. If not at surface contact engineer to proceed.  
 5. TIH with CIBP. Set BP at 6632'. Top with 2 sxs 15.8#/gal CI G cement.  
 6. TIH with tubing to 3047'. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing. (Casing Patch coverage from 3047'-2547').  
 7. Pickup tubing to 1600'. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1600'-1100').  
 8. Pickup tubing to 564'. Mix and pump 25 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.  
 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: JEnifer Hakkarinen

Title: REg TEch

Date: \_\_\_\_\_

Email: JEnifer.Hakkarinen@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: \_\_\_\_\_

<b>COA Type</b>	<b>Description</b>

**Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401829861	WELLBORE DIAGRAM
401829862	WELLBORE DIAGRAM

Total Attach: 2 Files

**General Comments**

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

Total: 0 comment(s)