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Document Number:  
400490110

Date Received:  
10/03/2013

**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: Jenifer Hakkarinen  
 Name of Operator: PDC ENERGY INC Phone: (303) 8605800  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 8605838  
 City: DENVER State: CO Zip: 80203 Email: Jenifer.Hakkarinen@pdce.com

**For "Intent" 24 hour notice required,** Name: MONTOYA, JOHN Tel: (970) 3974124  
**COGCC contact:** Email: john.montoya@state.co.us

API Number 05-123-12947-00 Well Number: 28-4  
 Well Name: MCCARTY  
 Location: QtrQtr: SENW Section: 28 Township: 4N Range: 67W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 68108  
 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: 40.285640 Longitude: -104.898140  
 GPS Data:  
 Date of Measurement: 10/21/2010 PDOP Reading: 1.7 GPS Instrument Operator's Name: Steve Cure  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 5840  
 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	7335	7341			
NIOBRARA	7025	7217			

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	26	310	310	310	0	
1ST	7+7/8	2+7/8	11.6	7,475	360	7,475	5,940	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6925 with 2 sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
 CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #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 50 sks cmt from 5840 ft. to 5800 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 200 sks cmt from 3500 ft. to 4000 ft. Plug Type: OPEN HOLE 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 240 sacks half in. half out surface casing from 700 ft. to 0 ft. Plug Tagged:   
 Set 10 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. of \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Plugging Procedure  
 Niobrara  
 Codell  
 Existing Perforations:  
 Niobrara: 7025'-7194'  
 Codell: 7335-7341'  
 PBTD: 7343'  
 8 5/8" 24# @ 310' W/ 310 sks cmt.  
 2 7/8" 6.4# @ 7475' w/ 360 sks cmt  
 Procedure:  
 1)MIRU Workover Rig  
 2)Pull production tubing  
 3)MIRU wireline  
 4)RIH w/CIBP set @ 6925'  
 5)RIH w/dump bailer and dump 2 sx cement on top of CIBP  
 6)RIH w/casing cutter, cut & pull casing @ ~5840'  
 7)TIH set 50 sack plug @ casing stub (5840')  
 8)TIH to tag stub plug  
 9)TOH to set 200 sack plug @ Parkman/Sussex (~3500'--4000')  
 10)TOH and set 200 sack cement plug 500' to surface  
 11)Set 10 sx @ top of surface  
 12)Cut casing 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

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: KING, KEVINDate: 11/8/2013**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_Expiration Date: 5/7/2014**COA Type****Description**

	1)24hr notice of commencing work is required. 2)Flowlines/pipelines must be abandoned in accordance with 1100 series rules. 3)Cement plug at surface must extend from a minimum depth of 700' to surface in order to cover the Fox Hills Formation and comply with Rule 319.a.(1).
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**Attachment Check List****Att Doc Num****Name**

400490110	FORM 6 INTENT SUBMITTED
400490112	WELLBORE DIAGRAM
400490113	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments****User Group****Comment****Comment Date**

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Total: 0 comment(s)