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400347000  
  
Date Received:  
12/12/2012

**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: Jeff Glossa  
 Name of Operator: PDC ENERGY INC Phone: (303) 831-3972  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: (303) 860-5838  
 City: DENVER State: CO Zip: 80203 Email: Jeffrey.Glossa@PDCE.com  
**For "Intent" 24 hour notice required,** Name: MONTOYA, JOHN Tel: (970) 3974124  
**COGCC contact:** Email: john.montoya@state.co.us

API Number 05-123-13203-00 Well Number: 13-6  
 Well Name: BERNHARDT  
 Location: QtrQtr: SWSW Section: 6 Township: 4N Range: 66W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 67470  
 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: 40.336032 Longitude: -104.826704  
 GPS Data:  
 Date of Measurement: 07/14/2010 PDOP Reading: 2.9 GPS Instrument Operator's Name: Shantell Kling  
 Reason for Abandonment:  Dry  Production for Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 2300  
 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	7174	7184			
NIOBRARA	6849	6978			
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	13+3/4	9+5/8	32	303	220	303	0	CALC
1ST	7+7/8	4+1/2	15	7,292	160	7,292	6,380	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6604 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 150 sks cmt from 2400 ft. to 2000 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 200 sacks half in. half out surface casing from 600 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: \_\_\_\_\_ 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:

PDC Energy intends to plug the Bernhardt 1-23 following the procedure below

Existing Perforations  
 NBRR 6849-6978  
 CODL 7174-7184

Casing Strings  
 Surface 9 5/8" @ 303'  
 Production 4 1/2" @ 7292'

Procedure

MIRU wireline and run CBL

Locate free point in the production casing (estimate 2300')

RDMO wireline

MIRU PU, TIH, cut and pull casing

TIH w/ tubing to casing stub, mix and pump 150 sx cmt

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: \_\_\_\_\_ Print Name: Jeff Glossa  
 Title: Sr Engineering Tech Date: 12/12/2012 Email: Jeffrey.Glossa@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: HOLLINSHEAD, RYAN

Date: 12/17/2012

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 6/16/2013

- 1) Provide 48 hour notice of MIRU to John Montoya at (970) 397-4124.
- 2) Provide an "As Plugged" wellbore diagram identifying the specific plugging completed.
- 3) For the 2400' plug: pump plug and displace, shut in, WOC 4 hours and tag plug.
- 4) For the surface casing shoe plug, if not circulated to surface, tag plug, it must be at least 253' or higher, and a surface plug must be provided.
- 5) If unable to pull casing, contact COGCC for plugging modifications.
- 6) Properly abandon flowlines as per Rule 1103.
- 7) See plugging changes above.

**Attachment Check List**

Att Doc Num	Name
400347000	FORM 6 INTENT SUBMITTED
400357550	WELLBORE DIAGRAM
400357552	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>

Total: 0 comment(s)