

FORM

6

Rev  
12/05

## 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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Document Number:

400503386

Date Received:

11/04/2013

## 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: Christine Brookshire

Name of Operator: PDC ENERGY INC

Phone: (303) 860-5800

Address: 1775 SHERMAN STREET - STE 3000

Fax: (303) 860-5838

City: DENVER State: CO Zip: 80203

Email: christine.brookshire@pdce.com

**For "Intent" 24 hour notice required,**

Name: PRECUP, JIM

Tel: (303) 726-3822

**COGCC contact:**

Email: james.precup@state.co.us

API Number 05-123-12966-00

Well Name: BERG

Well Number: 33-15

Location: QtrQtr: NWSE Section: 15 Township: 6N Range: 66W Meridian: 6

County: WELD

Federal, Indian or State Lease Number: 55532

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: 40.486399

Longitude: -104.761253

GPS Data:

Date of Measurement: 05/04/2010

PDOP Reading: 1.7

GPS Instrument Operator's Name: Chuck Kraft

Reason for Abandonment: ☐ Dry ☐ Production for Sub-economic ☐ Mechanical Problems☒ Other Offset Option #2Casing 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	7228	7240			
NIOBRARA	7048	7066			

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	8+5/8	24	240	180	240	0	
1ST	7	4+1/2	11.6	7,343	225	7,343	0	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7000 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 50 sks cmt from 6500 ft. to 6490 ft. Plug Type: STUB PLUG Plug Tagged: ☐  
Set 200 sks cmt from 3500 ft. to 4500 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 200 sacks half in. half out surface casing from 655 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  
Codell/Niobrara  
Existing Perforations:  
Codell: 7228'-7240'  
Niobrara: 7048'-7066'  
PBSD: 7343'  
8 5/8" 24# @ 240' W/ 180 sks cmt.  
4 1/2" 11.6# @ 7343' w/ 225 sks cmt  
Procedure:  
1)MIRU wireline  
2)RIH w/CIBP set @ 7000'  
3)RIH w/dump bailer and dump 2 sx cement on top of CIBP  
4)RIH w/casing cutter, cut & pull casing @ ~6500'  
5)TIH set 50 sack plug @ casing stub (~6500')  
6)TIH to tag stub plug  
7)TIH to set 200 sack plug to cover Parkman/Sussex (3500'-4500')  
8)TOH and set 200 sack cement plug 500' to surface  
9)Set 10 sx @ top of surface  
10)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: Christine Brookshire

Title: Regulatory Tech Date: 11/4/2013 Email: christine.brookshire@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, MIKE

COGCC Approved:

Date: 11/8/2013

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 5/7/2014

**COA Type**

**Description**

	Note changes to plugging procedure.  1) Provide 24 hour notice of MIRU to Jim Precup at 303 726-3822 or e-mail at james.precup@state.co.us. 2) For 655' plug: pump plug and displace, if cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 190' or shallower. Leave at least 100' cement in the wellbore for each plug. 3) Properly abandon flowlines as per Rule 1103.
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**Attachment Check List**

**Att Doc Num**

**Name**

400503386	FORM 6 INTENT SUBMITTED
400506742	PROPOSED PLUGGING PROCEDURE
400506743	WELLBORE DIAGRAM
400506744	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

**User Group**

**Comment**

**Comment Date**

Engineer	Deepest water well w/in 1 Mile is 605' requiring aquifer coverage to 655'.	11/8/2013 9:00:38 AM
Permit	2009 5A states top Niobrara perf is 6926'.	11/5/2013 2:53:55 PM

Total: 2 comment(s)