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401363358

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**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: \_\_\_\_\_

City: DENVER State: CO Zip: 80203 Email: Jenifer.Hakkairnen@pdce.com

**For "Intent" 24 hour notice required,** Name: Montoya, John Tel: (970) 397-4124

**COGCC contact:** Email: john.montoya@state.co.us

API Number 05-123-26683-00

Well Name: GUTTERSEN Well Number: 32-6

Location: QtrQtr: SWNE Section: 6 Township: 2N Range: 63W Meridian: 6

County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_

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: 40.169190 Longitude: -104.477970

GPS Data:  
Date of Measurement: 02/27/2008 PDOP Reading: 3.2 GPS Instrument Operator's Name: HOLLY TRACY

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 1060

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	6823	6827			
NIOBRARA	6616	6624			

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	857	600	857	0	VISU
1ST	7+7/8	4+1/2	10.5	7,440	255	7,440	5,944	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6555 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 335 sks cmt from 1110 ft. to 0 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 \_\_\_\_\_ 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 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Guttersen 32-6 (05-123-26683)/Plugging Procedure (Intent)  
 Producing Formation (Perforations): Niobrara: 6616'-6624' Codell: 6823'-6827'  
 TD: 7460' PBD: 7408'  
 Surface Casing: 8 5/8" 24# @ 857' w/ 600 sxs  
 Production Casing: 4 1/2" 10.5# @ 7440' w/ 255 sxs cmt (TOC @ 5944' - CBL).  
 Tubing: 2 3/8" tubing set @ 6815' (4/23/2015).  
 Proposed Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company.  
 3. TIH with CIBP. Set BP at 6555'. Top with 2 sxs 15.8#/gal CI G cement.  
 4. TIH with casing cutter. Cut 4 1/2" casing at 1060'. Pull cut casing.  
 5. TIH with tubing to 1110'. RU cementing company. Mix and pump 335 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.  
 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: 8/2/2017 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: Wolfe, Stephen Date: 8/23/2017

COA Type	Description
	<p>Bradenhead Testing</p> <p>Prior to starting plugging operations, a bradenhead test shall be performed. If the initial shut-in bradenhead pressure is greater than 25 psi, notify COGCC Engineer for sampling requirements prior to beginning the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p>
	<p>Plugging</p> <ul style="list-style-type: none"> <li>• Provide 48 hour notice of plugging MIRU via electronic Form 42.</li> <li>• Properly abandon flowlines as per Rule 1103</li> <li>• Production casing stub plug is surface casing shoe plug as well. If it is not circulated to the surface then tag the plug – must be 807' or shallower.</li> <li>• Place a 25 sack plug at the surface, all other plugs shall have at least 100' of cement left in the casing.</li> </ul>
	<p>Post Plugging Reporting</p> <ul style="list-style-type: none"> <li>• Form 17 Bradenhead Test Report shall be submitted within 10 days of the test.</li> <li>• File electronic Form 42 once flowline abandonment is complete.</li> </ul>

**Attachment Check List**

Att Doc Num	Name
401363358	FORM 6 INTENT SUBMITTED
401363443	WELLBORE DIAGRAM
401363444	WELLBORE DIAGRAM

Total Attach: 3 Files

**General Comments**

User Group	Comment	Comment Date
Public Room	Document verification complete 08/15/17	08/15/2017

Total: 1 comment(s)