

Document Number:  
400998756

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03/03/2016

**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.Hakkarinen@pdce.com

**For "Intent" 24 hour notice required,** Name: Pesicka, Conor Tel: (970) 415-0789

**COGCC contact:** Email: conor.pesicka@state.co.us

API Number 05-123-20482-00

Well Name: J & L FARMS Well Number: 13-29

Location: QtrQtr: NWSW Section: 29 Township: 6N 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: 40.455330 Longitude: -104.467890

GPS Data:  
Date of Measurement: 09/10/2008 PDOP Reading: 1.6 GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment:  Dry     Production Sub-economic     Mechanical Problems

Other Failed MIT

Casing to be pulled:  Yes     No    Estimated Depth: 500

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	6754	6762		B PLUG CEMENT TOP	6710

Total: 1 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	360	255	360	0	
1ST	7+7/8	4+1/2	11.6	6,960	166	6,960	2,835	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6350 with 2 sacks cmt on top. CIBP #2: Depth 1850 with 2 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 200 sks cmt from 2900 ft. to 1900 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:   
 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 550 ft. to 0 ft. Plug Tagged:   
 Set 5 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:

Producing Formations:  
 Codell  
 Existing Perforations:  
 Codell - 6,754'-6,762'  
 TD: 6,982'  
 PBTD: 6,960'  
 8 5/8" 24# @ 360' w/ 255 sxs cmt  
 4 1/2" 11.6# @ 6960' w/ 166 sxs cmt Type G, 304 sxs lite cmt (Top of cement @ 2835')  
 Procedure:  
 1. MIRU. RU wireline. Run gyro survey from 6700' to surface  
 2. TOOH with tubing, RIH with CIBP. Set CIBP @ 6,350' above Niobrara formation at 6,410' and existing CIBP @ 6710'.  
 3. RIH with dump bailer. Set 2 sxs cement on CIBP @6,350'.  
 4. TIH with tubing to 2900', below extensive casing holes from 1,941'-2,851'.  
 5. Pump 200 sack balanced plug from 2,900' to 1,900'. POOH with tubing.  
 6. RIH with CIBP and set at 1,850'. POOH.  
 7. RIH with dump bailer. Set 2 sxs cement on CIBP @1850'. POOH.  
 8. RIH with casing cutter to 500', cut and pull casing.  
 9. TIH with tubing to 550', Pump 200 sack plug from 550' to surface.  
 10. Cut casing 6' below ground level, top off surface with 5 sxs cmt 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: 3/3/2016 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: 8/25/2016

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 2/24/2017

<u>COA Type</u>	<u>Description</u>
	1)Prior to initiation of plugging operations, a bradenhead test shall be performed. If any pressure remains at the conclusion of the test or any liquids were present call COGCC Engineer for sampling requirements. Form 17 shall be submitted within 10 days of the test. 2)Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 3)Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 4)For 550' plug: pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – must be 310' or shallower and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.
	No cement bond log on file with COGCC. Prior to plugging, operator must verify existing cement with a cement bond log. If CBL does not verify annular cement as presented, contact COGCC before proceeding. Submit CBL with Subsequent report of Abandonment.

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400998756	WELL ABANDONMENT REPORT (INTENT)
400999558	WELLBORE DIAGRAM
400999559	WELLBORE DIAGRAM
400999560	WIRELINE JOB SUMMARY
401099033	FORM 6 INTENT SUBMITTED

Total Attach: 5 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Public Room	Document verification complete 03/07/16	3/7/2016 3:40:34 PM

Total: 1 comment(s)