

Document Number:  
402900346

Date Received:

**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: Jessica Johannsen  
 Name of Operator: PDC ENERGY INC Phone: (303) 860-5800  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Email: jessica.johannsen@pdce.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_  
 Email: \_\_\_\_\_

**COGCC contact:** \_\_\_\_\_

Type of Well Abandonment Report:  Notice of Intent to Abandon  Subsequent Report of Abandonment

API Number 05-123-20012-00  
 Well Name: RORY Well Number: 1  
 Location: QtrQtr: NESW Section: 24 Township: 4N Range: 67W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: WATTENBERG Field Number: 90750

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.295302 Longitude: -104.841124  
 GPS Data: GPS Quality Value: 2.4 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 06/23/2010

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

Casing 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	7248	7258	09/29/2021	B PLUG CEMENT TOP	7198

Total: 1 zone(s)

**Casing History**

Casing Type	Size of Hole	Size of Casing	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	12+1/4	8+5/8	J55	24	0	434	305	434	0	VISU
1ST	7+7/8	4+1/2	J55	11.6	0	7368	870	7368	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7198 with 2 sacks cmt on top. CIBP #2: Depth 6879 with 2 sacks cmt on top.  
CIBP #3: Depth 4072 with 2 sacks cmt on top. CIBP #4: Depth 2500 with 2 sacks cmt on top.  
CIBP #5: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 134 sks cmt from 1776 ft. to 0 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged:

Set 20 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

Surface Plug Setting Date: 09/29/2021 Cut and Cap Date: 11/08/2021 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 40

\*Wireline Contractor: Ranger

\*Cementing Contractor: Duco Inc

Type of Cement and Additives Used: 15.8# G

Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

### Technical Detail/Comments:

Rory 1 (05-123-20012)/Plugging Procedure  
Producing Formation: Codell: 7248'-7258'

Upper Pierre Aquifer: 740'-1660'

Deepest Water Well: 60'

TD: 7369' PBD: 7315' (09/30/2015)

Surface Casing: 8 5/8" 24# @ 434' w/ 305 sxs cmt

Production Casing: 4 1/2" 11.6# @ 7368' w/ 870 sxs cmt (TOC @ Surface - CBL)

#### Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 7198'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Codell perf @ 7248').
4. TIH with CIBP. Set BP at 6879'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6929').
5. TIH with CIBP. Set BP at 4072'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Sussex @ 4122').
6. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.
7. Wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or fluid migration, contact engineering before continuing operations.
8. TIH with tubing to 1776'. RU cementing company. Mix and pump 134 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
9. Well casing cut and capped per COGCC guidelines at a depth as not to interfere with soil cultivation.

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

Signed: \_\_\_\_\_

Print Name: Jessica Johannsen

Title: Regulatory Analyst

Date: \_\_\_\_\_

Email: jessica.johannsen@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: \_\_\_\_\_

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

<u>COA Type</u>	<u>Description</u>

**Attachment List**

<u>Att Doc Num</u>	<u>Name</u>
402900398	CEMENT JOB SUMMARY
402900400	OTHER
402900403	OPERATIONS SUMMARY
402900404	WELLBORE DIAGRAM

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)