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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: Valerie Danson  
 Name of Operator: PDC ENERGY INC Phone: (970) 506-9272  
 Address: 1775 SHERMAN STREET - STE 3000 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80203 Email: valerie.danson@pdce.com  
**For "Intent" 24 hour notice required,** Name: Serna, Abe Tel: (720) 661-7317  
**COGCC contact:** Email: abe.serna@state.co.us

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

API Number 05-123-12482-00  
 Well Name: ROSKOP Well Number: 29-1  
 Location: QtrQtr: SENE Section: 29 Township: 5N Range: 64W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: 69094  
 Field Name: WATTENBERG Field Number: 90750

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

Latitude: 40.372222 Longitude: -104.566389  
 GPS Data: GPS Quality Value: 1.9 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 05/12/2010  
 GPS Instrument Operator's Name: Chuck Kraft  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 2500  
 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
NIOBRARA-CODELL	6578	6874	02/25/2019	B PLUG CEMENT TOP	6528

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	347	300	347	0	VISU
1ST	7+7/8	4+1/2	11.6	6,959	220	6,959	5,999	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 10 sks cmt from 3984 ft. to 3853 ft. Plug Type: CASING Plug Tagged:   
 Set 80 sks cmt from 2550 ft. to 2300 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 80 sks cmt from 1500 ft. to 1300 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:

Perforate and squeeze at 4170 ft. with 64 sacks. Leave at least 100 ft. in casing 3985 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 178 sacks half in. half out surface casing from 547 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. \_\_\_\_\_ inch casing Cut and Cap Date: \_\_\_\_\_  
 of \_\_\_\_\_  
 \*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_  
 Type of Cement and Additives Used: \_\_\_\_\_  
 Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

Roskop 29-1 (05-123-12482)/Plugging Procedure (Intent)  
 Producing Formation: Niobrara/Codell: 6578'-6874'  
 Upper Pierre Aquifer: 380'-1400'  
 Deepest Water Well: 300'  
 TD: 6965' PBD: 6908' (2/21/2019)  
 Surface Casing: 8 5/8" 24# @ 347' w/ 300 sxs  
 Production Casing: 4 1/2" 11.6# @ 6959' w/ 220 sx cmt (TOC @ 5999' - CBL)  
 Existing CIBP set @ 6528' w/ 2 sx cmt (2/25/2019)  
 Tubing: 2 3/8" tubing w/ POBIT set @ 6244' (2/25/2019)  
 Proposed Procedure:  
 1. MIRU pulling unit. Pull 2 3/8" tubing.  
 2. RU wireline company. TIH and tag dump bail of existing CIBP @ 6528'.  
 3. TIH with perf gun. Shoot lower squeeze holes at 4170' and upper squeeze holes at 3970'.  
 4. TIH with CICR. Set CICR at 3985'. RU cementing company. Sting in and pump 74 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 74 sxs) cement on top of CICR.  
 5. TIH with casing cutter. Cut 4 1/2" casing at 2500'. Pull cut casing.  
 6. TIH with tubing to 2550'. RU cementing company. Mix and pump 80 sxs 15.8#/gal CI G cement down tubing. (Stub plug from 2550'-2300')  
 7. TIH with tubing to 1500'. Mix and pump 80 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1500'-1300').  
 8. Pick up tubing to 547'. Mix and pump 178 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.  
 9. 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: Valerie Danson  
 Title: Reg Tech Date: \_\_\_\_\_ Email: valerie.danson@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:** \_\_\_\_\_

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

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

### **Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
402412783	WELLBORE DIAGRAM
402412784	WELLBORE DIAGRAM
402412785	GYRO SURVEY

Total Attach: 3 Files

### **General Comments**

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

Total: 0 comment(s)