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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: Kraich, Adam Tel: (970) 420-0536  
 COGCC contact: Email: adam.kraich@state.co.us

API Number 05-123-32107-00 Well Number: 34-7D  
 Well Name: Schaefer  
 Location: QtrQtr: SESE Section: 7 Township: 6N Range: 66W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: ANTELOPE Field Number: 2600

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.496445 Longitude: -104.813732  
 GPS Data:  
 Date of Measurement: 05/10/2017 PDOP Reading: 1.7 GPS Instrument Operator's Name: Devin Arnold  
 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	7457	7465	04/24/2018	B PLUG CEMENT TOP	7094
NIOBRARA	7145	7284	04/24/2018	B PLUG CEMENT TOP	7094

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	690	490	690	0	VISU
1ST	7+7/8	4+1/2	11.6	7,609	1,035	7,609	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #2: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top.  
 CIBP #3: Depth \_\_\_\_\_ with \_\_\_\_\_ sacks cmt on top. CIPB #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	40	sks cmt from	3300	ft. to	2800	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set	40	sks cmt from	1600	ft. to	1100	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set	70	sks cmt from	890	ft. to	0	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 1105  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

Schaefer 34-7D (05-123-32107)/Plugging Procedure (Intent)  
 Producing Formation: Codell: 7457'-7465' Niobrara: 7145'-7284'  
 Upper Pierre Aquifer: 324'-1370'  
 TD: 7623' PBTD: 7505'  
 Surface Casing: 8 5/8" 24# @690' w/ 490 sxs cmt  
 Production Casing: 4 1/2" 11.6# @ 7609' w/ 1035 sxs cmt (TOC @ Surface' - CBL).  
 Existing stuck tubing: 7126'-7439.7' (4/24/2018).  
 Existing CIBP @ 7094' w/ 2 sxs cmt (4/24/2018).

Tubing: 2 3/8" tubing set @ 6735.4' (4/25/2018).  
 Proposed Procedure:  
 1. Pickup tubing to 3300'. RU cementing company. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (Sussex coverage from 3300'-2800').  
 2. Pickup tubing to 1600'. Mix and pump 40 sxs 15.8#/gal CI G cement down tubing. (Pierre coverage from 1600'-1100').  
 3. Pickup tubing to 890'. Mix and pump 70 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface. TOOH with tubing.  
 4. 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

