

**FORM**  
**6**  
Rev  
02/20

**State of Colorado**  
**Oil and Gas Conservation Commission**

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



DE	ET	OE	ES
Document Number: 402490623			
Date Received: 09/16/2020			

**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: <u>69175</u>	Contact Name: <u>Valerie Danson</u>
Name of Operator: <u>PDC ENERGY INC</u>	Phone: <u>(970) 506-9272</u>
Address: <u>1775 SHERMAN STREET - STE 3000</u>	Fax: _____
City: <u>DENVER</u> State: <u>CO</u> Zip: <u>80203</u>	Email: <u>valerie.danson@pdce.com</u>
<b>For "Intent" 24 hour notice required,</b> Name: <u>Evins, Bret</u> Tel: <u>(970) 420-6699</u>	
<b>COGCC contact:</b> Email: <u>bret.evins@state.co.us</u>	

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

API Number <u>05-123-25043-00</u>	Well Name: <u>KOHLHOFF</u>	Well Number: <u>44-2</u>
Location: QtrQtr: <u>SESE</u> Section: <u>2</u> Township: <u>6N</u> Range: <u>63W</u> Meridian: <u>6</u>		
County: <u>WELD</u>	Federal, Indian or State Lease Number: _____	
Field Name: <u>WATTENBERG</u>	Field Number: <u>90750</u>	

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

Latitude: 40.510190 Longitude: -104.396810

GPS Data: GPS Quality Value: 2.5 Type of GPS Quality Value: \_\_\_\_\_ Date of Measurement: 11/01/2007

GPS Instrument Operator's Name: HOLLY L TRACY

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
NIOBRARA-CODELL	6645	6826			

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	585	410	585	0	VISU
1ST	7+7/8	4+1/2	10.5	6,955	680	6,955	0	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6570 with 2 sacks cmt on top. CIPB #2: Depth 4000 with 2 sacks cmt on top.  
 CIBP #3: Depth 2500 with 2 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 \_\_\_\_\_ 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:   
 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 132 sacks half in. half out surface casing from 1700 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:

Kohlhoff 44-2 (05-123-25043)/Plugging Procedure (Intent)  
 Producing Formation: Niobrara/Codell: 6645'-6826'  
 Upper Pierre Aquifer: 560'-1600'  
 TD: 6990' PBD: 6939' (11/4/2015)  
 Surface Casing: 8 5/8" 24# @ 585' w/ 410 sx cmt  
 Production Casing: 4 1/2" 10.5# @ 6955' w/ 680 sx cmt (TOC @ surface – CBL)

Tubing: 2 3/8" tubing set @ 6902' (2/25/2016)  
 7/8" & 3/4" rod string (2/26/2016)

Proposed Procedure:  
 1. MIRU. Unhang rods and unseat pump. If necessary, hot oil tubing.  
 2. Pull 2 3/8" tubing. RU wireline company.  
 3. TIH with CIBP. Set BP at 6570'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6593')  
 4. TIH with CIBP. Set BP at 4000'. Top with 2 sxs 15.8#/gal CI G cement.  
 5. TIH with CIBP. Set BP at 2500'. Top with 2 sxs 15.8#/gal CI G cement.  
 6. TIH with tubing to 1700'. RU cementing company. Mix and pump 132 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.  
 7. 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: 9/16/2020 Email: valerie.danson@pdce.com

Based on the information provided, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:

Date: 9/18/2020

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 3/17/2021

<b>COA Type</b>	<b>Description</b>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1700' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 535' or shallower and provide 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment of on-location flowlines is complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p> <p>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) After placing the shallowest hydrocarbon isolating plug (2500'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p>
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	<p>Prior to starting plugging operations a Bradenhead test shall be performed if there has not been a reported Bradenhead test within the 60 days immediately preceding the start of plugging operations.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p>

### Attachment Check List

<b>Att Doc Num</b>	<b>Name</b>
402490623	FORM 6 INTENT SUBMITTED
402490661	WELLBORE DIAGRAM
402490662	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1) Deepest Water Well within 1 mile = 300'. 2) Fox Hills Bottom- N/A, per SB5.	09/18/2020
Engineer	In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 09/18/2021. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.	09/18/2020
Permit	Verified as-drilled GPS. Verified perf zones. Verified production reporting. Permitting review complete.	09/17/2020

Total: 3 comment(s)