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03/06/2018

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: Kelsi Welch

Name of Operator: PDC ENERGY INC Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000 Fax: _____

City: DENVER State: CO Zip: 80203 Email: kelsi.welch@pdce.com

For "Intent" 24 hour notice required, Name: Montoya, John Tel: (970) 397-4124

COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-25530-00

Well Name: COOK Well Number: 20D

Location: QtrQtr: NESE Section: 20 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: 40.468860 Longitude: -104.456000

GPS Data:
Date of Measurement: 09/29/2008 PDOP Reading: 2.2 GPS Instrument Operator's Name: HOLLY 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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CODELL | 6735 | 6741 | 01/31/2018 | B PLUG CEMENT TOP | 6419 |
| NIOBRARA | 6470 | 6573 | 01/31/2018 | B PLUG CEMENT TOP | 6419 |

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 | 491 | 390 | 491 | 0 | |
| 1ST | 7+7/8 | 4+1/2 | 10.5 | 6,874 | 635 | 6,874 | 168 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6419 with 2 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 2559 ft. to 2427 ft. Plug Type: CASING Plug Tagged:
Set 75 sks cmt from 724 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:
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: 02/01/2018
of _____
*Wireline Contractor: Casedhole Solutions *Cementing Contractor: C&J
Type of Cement and Additives Used: 15.8#/gal CI G cmt
Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

COOK 20D (05-123-25530)/PLUGGING PROCEDURE (Subsequent)
Producing Formation: Niobrara: 6470'-6474', 6565'-6573' Codell: 6735'-6741'
TD: 6891'KB PBSD: 6836'KB Original KB: 10'
Surface Casing: 8 5/8" 24# @ 491'KB w/ 390 sxs cmt.
Production Casing: 4 1/2" 10.5# @ 6874'KB w/ 635 sxs cmt. (TOC @ 168'KB - CBL)
Tubing: 2 3/8" tubing set @ 6718.5'KB (04/2008)

Proposed Procedure:

1. MIRU. TOOH 2 3/8" tbg.
2. RU wireline to set CIBP.
3. RIH w/ CIBP. Set @ 6419'. Dump bail 2 sxs 15.8#/gal CI G cmt.
4. TIH w/ tbg to 2559'. Mix and pump 10 sxs 15.8#/gal CI G cmt to 2427'.
5. TOOH to 724'. Mix and pump 63 sxs 15.8#/gal CI G cmt to surface.
6. Top well off with 12 sxs 15.8#/gal CI G cmt.
7. Dig down and cut csg 6' below GL. Weld cap.

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

Signed: _____ Print Name: Kelsi Welch
Title: Production Tech Date: 3/6/2018 Email: kelsi.welch@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: Jacobson, Eric Date: 5/15/2018

CONDITIONS OF APPROVAL, IF ANY:

COA Type

Description

Attachment Check List

Att Doc Num

Name

| | |
|-----------|-----------------------------|
| 401563965 | FORM 6 SUBSEQUENT SUBMITTED |
| 401563968 | WELLBORE DIAGRAM |
| 401563969 | CEMENT JOB SUMMARY |
| 401563970 | WIRELINE JOB SUMMARY |

Total Attach: 4 Files

General Comments

User Group

Comment

Comment Date

| | | |
|--|--|---------------------|
| | | Stamp Upon Approval |
|--|--|---------------------|

Total: 0 comment(s)