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| DE | ET | OE | ES |
| Document Number: 401516852 | | | |
| Date Received: 01/17/2018 | | | |

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: Pesicka, Conor Tel: (970) 415-0789
COGCC contact: Email: conor.pesicka@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 | | | |
| NIOBRARA | 6470 | 6573 | | | |
| 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 2550 ft. to 2450 ft. Plug Type: CASING Plug Tagged:
 Set 63 sks cmt from 700 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: _____
 of _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

COOK 20D (05-123-25530)/PLUGGING PROCEDURE (INTENT)
 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'KB. Dump bail 2 sxs 15.8#/gal CI G cmt.
 4. TIH w/ tbg to 2550'KB. Mix and pump 10 sxs 15.8#/gal CI G cmt.
 5. TOOH to 700'KB. Mix and pump 63 sxs 15.8#/gal CI G cmt. Cmt should circulate to surface.
 6. 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: 1/17/2018 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: HICKEY, MIKE Date: 1/23/2018

| COA Type | Description |
|-----------------|--|
| | 1)Submit Form 42 electronically to COGCC 48 hours prior to MIRU electronically to COGCC 48 hours prior to MIRU. 2)Prior to placing the 700' 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 requirements. . 3)After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 441' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug. 4)Properly abandon all flowlines. Once flowlines are properly abandoned, file electronic form 42. |
| | Prior to starting plugging operations a bradenhead test shall be performed. 1)If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 2)If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. 3)If sampling is required contact COGCC engineering for a confirmation of plugging requirements prior to placing any plugs. 4)Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. The Form 17 shall be submitted within 10 days of the test. |
| | Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare. |

Attachment Check List

| Att Doc Num | Name |
|--------------------|-------------------------|
| 401516852 | FORM 6 INTENT SUBMITTED |
| 401516858 | WELLBORE DIAGRAM |
| 401516860 | WELLBORE DIAGRAM |

Total Attach: 3 Files

General Comments

| User Group | Comment | Comment Date |
|-------------------|--|---------------------|
| Public Room | Document verification completed 01/23/18 | 01/23/2018 |

Total: 1 comment(s)