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| DE | ET | OE | ES |
| Document Number: 401923822 | | | |
| Date Received: | | | |

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: _____ Tel: _____
 COGCC contact: Email: _____

API Number 05-123-25911-00 Well Number: 10B
 Well Name: WELLS RANCH
 Location: QtrQtr: SESW Section: 10 Township: 5N 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: 40.409920 Longitude: -104.427360
 GPS Data:
 Date of Measurement: 09/02/2008 PDOP Reading: 2.0 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 |
|------------------|-----------|-----------|----------------|---------------------|------------|
| CODELL | 6653 | 6659 | | | |
| NIOBRARA | 6386 | 6492 | | | |
| 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 | 452 | 320 | 452 | 0 | VISU |
| 1ST | 7+7/8 | 4+1/2 | 10.5 | 7,423 | 335 | 7,423 | 5,630 | CBL |
| | | | Stage Tool | 4,439 | 415 | 4,439 | 280 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6336 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 50 sks cmt from 4693 ft. to 4033 ft. Plug Type: CASING Plug Tagged:
Set 40 sks cmt from 1812 ft. to 1202 ft. Plug Type: CASING Plug Tagged:
Set 46 sks cmt from 678 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:

Perforate and squeeze at 270 ft. with 60 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: 01/02/2019
of _____

*Wireline Contractor: C&J Energy Services *Cementing Contractor: C&J Energy Services

Type of Cement and Additives Used: Class G 15.8 PPG Cement & Type III 14.8 PPG Portland Cement

Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Wells Ranch 10B (05-123-25911)/Plugging Procedure
Producing Formation: Codell: 6653'-6659' Niobrara: 6386'-6492'
Upper Pierre Aquifer: 420'-1525'
TD: 7640' PBTD: 7385'
Surface Casing: 8 5/8" 24# @452' w/ 320 sxs cmt
Production Casing: 4 1/2" 10.5# @ 7423.4' w/ 335 sxs cmt (TOC @ 5630' - CBL).
DV Tool @ 4440' w/ 415 sxs cmt (TOC @ 280' - CBL).

Procedure:

1. MIRU pulling unit. Pull 2 3/8" tubing.
2. RU wireline company.
3. TIH with CIBP. Set BP at 6336'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with perforation gun. Shoot holes for annular squeeze at 270' @ 1 SPF or preferred.
5. TIH with tubing to 4693'. RU cementing company. Mix and pump 50 sxs 15.8#/gal CI G cement down tubing. (DV tool coverage from 4690'-4190'). TOC at 4033'.
6. Pickup tubing to 1812'. Mix and pump 40 sxs 14.8#/gal Type III cement down tubing. (Pierre coverage from 1800'-1300'). TOC at 1202'.
7. TIH tubing to 678'. Mix and pump 46 sxs 14.8#/gal Type III cement down tubing. Cement circulate to surface.
8. Close off casing returns. Hook up cement line to cement flange and pump 60 sxs 14.8#/gal Type III cement downhole and squeeze through perforation at 270' into annular space. Cement 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: _____

| <u>COA Type</u> | <u>Description</u> |
|-----------------|--------------------|
| | |

Attachment Check List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 401923865 | CEMENT JOB SUMMARY |
| 401923868 | WELLBORE DIAGRAM |

Total Attach: 2 Files

General Comments

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

Total: 0 comment(s)