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Replug By Other Operator
 Document Number:
 403581080
 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: 1099 18TH STREET SUITE 1500 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: valerie.danson@pdce.com

For "Intent" 24 hour notice required, Name: _____ Tel: _____
 Email: _____
COGCC contact:

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

API Number 05-001-07238-00
 Well Name: STATE-FERGUSON Well Number: 1
 Location: QtrQtr: SWSW Section: 36 Township: 1S Range: 67W Meridian: 6
 County: ADAMS Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.917050 Longitude: -104.843120
 GPS Data: GPS Quality Value: 1.5 Type of GPS Quality Value: PDOP Date of Measurement: 02/21/2023
 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 |
|-----------|-----------|-----------|----------------|---------------------|------------|
| | | | | | |

Total: 0 zone(s)

Casing History

| Casing Type | Size of Hole | Size of Casing | Grade | Wt/Ft | Csg/Liner Top | Setting Depth | Sacks Cmt | Cmt Btm | Cmt Top | Status |
|-------------|--------------|----------------|-------|-------|---------------|---------------|-----------|---------|---------|--------|
| SURF | 12+1/4 | 8+5/8 | J55 | 23 | 0 | 128 | 150 | 128 | 0 | VISU |
| OPEN HOLE | 7+7/8 | | J55 | | 128 | 8330 | | | | |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 960 sks cmt from 67 ft. to 0 ft. Plug Type: ANNULUS Plug Tagged:
Set 207 sks cmt from 67 ft. to 0 ft. Plug Type: ANNULUS Plug Tagged:
Set 200 sks cmt from 2500 ft. to 1360 ft. Plug Type: OPEN HOLE Plug Tagged:
Set 250 sks cmt from 1313 ft. to 565 ft. Plug Type: OPEN HOLE 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 381 sacks half in. half out surface casing from 565 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. of _____ inch casing

Surface Plug Setting Date: 08/19/2023 Cut and Cap Date: 08/25/2023 Number of Days from Setting Surface Plug to Capping or Sealing the Well: 6

*Wireline Contractor: _____

*Cementing Contractor: DUCO & NexTier Cementing

Type of Cement and Additives Used: Class G 15.8 PPG Cement

Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:

State-Ferguson 1 (05-001-07238)/Re-Enter to Re-Plug Procedure

Original Abandon Date: 5/19/1977

Abandoned Formation: N/A (DA well)

Upper Pierre Aquifer: 1780'-2370'

Fox Hills: 984' – 1211'

Depest Water Well: 1140'

TD: 8330'

Surface Casing: 8 5/8" 23# @ 128' w/ 150 sxs cmt

Open Hole: 7 7/8" @ 128'-8330' (Open Hole OD is assumed)

Existing Plugs: 1230' – 950' (110 sxs cmt), 125' – 75' (25 sxs cmt), 25' to surface (10 sxs cmt)

Procedure:

1. Dig out to find wellhead and check pressure. Cut cap off, extend surface pipe to achieve ground level. MIRU WO unit, ND wellhead, NU BOP, tally all pipe to be ran in well.
2. Found holes in first casing connection between 38'-60'.
3. RU DUCO cementing company 7/27/23. Squeezed 40 sxs 15.8#/gal CI G cement from 67' to surface.
4. Squeezed and pumped 100 sxs 15.8#/gal CI G cement from 75' to Surface of shoe plug on 7/28/23.
5. Ran packers, tested casing, hunted holes. Squeezed and pumped 820 sxs 15.8#/gal CI G cement from 80' to surface of shoe plug on 7/29/23-7/31/23.
6. Continued to run packers, test casing. RU NexTier cementing company 8/2/23. Squeezed 100 sxs 15.8#/gal CI G cement on the surface shoe.
7. Squeezed and pumped 100 sxs 15.8#/gal CI G cement on 8/4/23 and lastly 7 sxs 15.8#/gal CI G cement on 8/5/23 to completely solidify the surface shoe plug.
8. Drilled down through cement btm that was approximately 1230' according to well history data.
9. Drilling ops was terribly slow, spent 17 days drilling up dehydrated mud, plastic material and cement. 2522' was the lowest depth that this well allowed. Contacted the State, moved forward with the approved procedure change.
10. PU tubing to 2500'. RU DUCO cementing company on 8/18/23. Mix and pump 200 sxs 15.8#/gal CI G cement down tubing (Pierre Aquifer coverage from 2470'-2270'). PU tubing above plug and SI well.
 - a. Wait 4 hours and tagged TOC 1360'.
11. PU tubing to 1313'. Mix and pump 250 sxs 15.8#/gal CI G cement down tubing (Fox Hills coverage from 1311'-884'). PU tubing above plug and SI well.
 - a. Wait 4 hours and tagged TOC 565'.
12. PU tubing to 565'. Mix and pump 381 sxs 15.8#/gal CI G cement down tubing. Cement circulate to surface.
13. RDMO WO unit. Remove extension of surface pipe. Weld on cap with ID plate, inscribed with well location, and identity. Backfill, clean location. Re-Entry complete.

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 Analyst

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: _____

| COA Type | Description |
|-----------------|--------------------|
| 0 COA | |

Attachment List

| <u>Att Doc Num</u> | <u>Name</u> |
|--------------------|--------------------|
| 403581115 | OTHER |
| 403581116 | CEMENT JOB SUMMARY |
| 403581117 | OTHER |
| 403581118 | CEMENT JOB SUMMARY |
| 403581119 | CEMENT JOB SUMMARY |
| 403581120 | CEMENT JOB SUMMARY |
| 403581121 | OPERATIONS SUMMARY |
| 403581122 | WELLBORE DIAGRAM |

Total Attach: 8 Files

General Comments

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

Total: 0 comment(s)