

Document Number:
402513429

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: _____
 Email: _____

COGCC contact: _____

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

API Number 05-123-12903-00
 Well Name: PAULINE Well Number: 5
 Location: QtrQtr: SENW Section: 8 Township: 5N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 56549
 Field Name: KERSEY Field Number: 44600

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.415025 Longitude: -104.577101
 GPS Data: GPS Quality Value: 2.4 Type of GPS Quality Value: _____ Date of Measurement: 10/11/2010
 GPS Instrument Operator's Name: Jake Bell
 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	6542	6828	02/20/2018	B PLUG CEMENT TOP	6492

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	307	210	307	0	VISU
1ST	7+7/8	4+1/2	12.6	6,916	170	6,916	5,950	CBL
S.C. 1.1				777	162	777	0	CBL

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 10 sks cmt from 2814 ft. to 2685 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:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 3000 ft. with 90 sacks. Leave at least 100 ft. in casing 2815 CICR Depth
 Perforate and squeeze at 1445 ft. with 90 sacks. Leave at least 100 ft. in casing 1260 CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth
 (Cast Iron Cement Retainer Depth)

Set 103 sacks half in. half out surface casing from 1259 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: 09/18/2020
 of _____
 *Wireline Contractor: Rocky Mtn Wireline Services *Cementing Contractor: NexTier Cementing Services
 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:

Pauline 5 (05-123-12903)/Plugging Procedure
 Producing Formation: Niobrara/Codell: 6542'-6828'
 Upper Pierre Aquifer: 330'-1345'
 TD: 6926' PBD: 6520' (2/20/2018)
 Surface Casing: 8 5/8" 24# @ 307' w/ 210 sxs
 Production Casing: 4 1/2" 12.6# @ 6916' w/ 170 sxs cmt (TOC @ 5950' - CBL)
 Annular Fill @ 777' w/ 162 sxs cmt (TOC @ surface - CBL)
 Existing CIBP set @ 6492' w/ 2 sxs cmt (2/20/2018)

Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company. TIH and tag dump bail of existing CIBP @ 6470'.
 3. Run a CBL from 3500' to Surface for perf shot verification (log not kept).
 4. TIH with perf gun. Shoot lower squeeze holes at 3000' and upper squeeze holes at 2800'.
 5. TIH with CICR. Set CICR at 2815'. RU cementing company. Sting in and pump 100 sxs 15.8#/gal CI G cement. Sting out and leave 10 sxs (of the 100 sxs) cement on top of CICR. TOC at 2685'.
 6. RU wireline company.
 7. TIH with perf gun. Shoot lower squeeze holes at 1445' and upper squeeze holes at 1245'.
 8. TIH with CICR. Set CICR at 1260'. RU cementing company. Sting in and pump 90 sxs 15.8#/gal CI G cement. Sting out and pump an additional 103 sxs cement on top of CICR. 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:

COA Type

Description

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Attachment Check List

Att Doc Num

Name

402513430	CEMENT JOB SUMMARY
402513431	OPERATIONS SUMMARY
402513432	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)