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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: Serna, Abe Tel: (720) 661-7317
COGCC contact: Email: abe.serna@state.co.us

API Number 05-123-12801-00 Well Name: SITZMAN Well Number: 1
 Location: QtrQtr: SENW Section: 4 Township: 5N Range: 64W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 56550
 Field Name: KERSEY Field Number: 44600

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.430000 Longitude: -104.557500
 GPS Data:
 Date of Measurement: 02/09/2010 PDOP Reading: 2.3 GPS Instrument Operator's Name: Robert Girillego
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 1490
 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	6840	6850	12/28/2017	B PLUG CEMENT TOP	6790

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	306	210	306	0	VISU
1ST	7+7/8	4+1/2	11.6	6,949	175	6,949	6,080	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6482 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 80 sks cmt from 1540 ft. to 1290 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 187 sks cmt from 600 ft. to 0 ft. Plug Type: OPEN HOLE 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 Cut and Cap Date: _____
 of _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Sitzman 1 (05-123-12801)/Plugging Procedure (Intent)
 Producing Formation: Codell: 6840'-6850'
 Upper Pierre Aquifer: 360'-1390'
 TD: 6950' PBD: 6917' (12/27/2017)
 Surface Casing: 8 5/8" 24# @ 306' w/ 210 sxs
 Production Casing: 4 1/2" 11.6# @ 6949' w/ 175 sxs cmt (TOC @ 6080 - CBL)
 Existing CIBP @ 6790' w/ 2 sxs cmt (12/28/2017)
 Tubing: 2 3/8" tubing set @ 6572' (12/28/2017)
 Proposed Procedure:
 1. MIRU. TIH and tag existing CIBP @ 6764'. Pull 2 3/8 tubing.
 2. RU wireline company.
 3. TIH with CIBP. Set BP at 6482'. Top with 2 sxs 15.8#/gal CI G cement. (Top of Niobrara @ 6532')
 4. TIH with casing cutter. Cut 4 1/2" casing at 1490'. Pull cut casing.
 5. TIH with tubing to 1540'. RU cementing company. Mix and pump 80 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 1490'-1290').
 6. Pick up tubing to 600'. Mix and pump 187 sxs 15.8#/gal CI G cement down tubing (Pierre coverage from 600'-surface). Cement should circulate to surface.
 7. 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: 12/11/2019 Email: valerie.danson@pdce.com

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Well file verification not completed prior to approval of NOIA.	12/19/2019
Engineer	1) Deepest Water Well within 1 mile = 101'. 2) Fox Hills Bottom- N/A, per SB5.	12/19/2019
Engineer	We need a perf and squeeze around 2500'...	12/19/2019
Permit	Verified completed interval and bridge plug (401556419) Verified production reporting Imported gyro survey	12/17/2019

Total: 4 comment(s)