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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: Jenifer Hakkarinen
 Name of Operator: PDC ENERGY INC Phone: (303) 8605800
 Address: 1775 SHERMAN STREET - STE 3000 Fax: _____
 City: DENVER State: CO Zip: 80203 Email: Jenifer.Hakkarinen@pdce.com

For "Intent" 24 hour notice required, Name: Duran, Alicia Tel: (970) 370-1281
 COGCC contact: Email: alicia.duran@state.co.us

API Number 05-123-13668-00 Well Number: 14-35
 Well Name: MARK
 Location: QtrQtr: SESW Section: 35 Township: 4N Range: 65W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 67949
 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: 40.263611 Longitude: -104.632778
 GPS Data:
 Date of Measurement: 01/14/2010 PDOP Reading: 2.6 GPS Instrument Operator's Name: Brandon Lucason
 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	6764	6932	01/10/2018	B PLUG CEMENT TOP	6714
CODELL	7051	7062	04/02/2008	B PLUG CEMENT TOP	7030

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	302	230	302	0	VISU
1ST	7+7/8	4+1/2	15.1	7,187	220	7,187	6,204	CBL
S.C. 1.1				4,730	135	4,730	4,090	CBL
S.C. 1.2				500	187	500	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 50 sks cmt from 600 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:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 2540 ft. with 170 sacks. Leave at least 100 ft. in casing 2255 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. of _____ inch casing Plugging Date: _____
 *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:

Mark 14-35 (05-123-13668)/Plugging Procedure (Intent)
 Producing Formation: Niobrara: 6764'-6932' Codell: 7051'-7062'
 Upper Pierre Aquifer: 2340'-2440'
 TD: 7217' PBTD: 6685'
 Surface Casing: 8 5/8" 24# @ 302' w/ 230 sxs
 Production Casing: 4 1/2" 15.1# @ 7187' w/ 220 sxs cmt (TOC @ 6204' - CBL). Existing CIBP @ 7030' w/ 2 sxs cmt. Existing CIBP @ 6714' w/ 2 sxs cmt. Existing annular fill w/ 135 sxs cmt from 4730'-4090'. Existing annular fill w/ 187 sxs from 500'-Surface.
 Tubing: 2 3/8" tubing set @ 6340' (1/16/2018).
 Proposed Procedure:
 1. MIRU pulling unit. Pull 2 3/8" tubing.
 2. RU wireline company.
 3. Shoot lower squeeze holes at 2540'. Shoot upper squeeze holes at 2240'.
 4. Set CICR at 2255'. RU cementing company. Sting in and pump 160 sxs 15.8#/gal CI G cement. Sting out and pump 10 sxs on top of CICR.
 5. Pick up tubing to 600'. Mix and pump 50 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
 6. 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: Jenifer Hakkarinen

Title: Reg Tech

Date: _____

Email: Jenifer.Hakkarinen@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: _____

Expiration Date: _____

COA Type

Description

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Attachment Check List

Att Doc Num

Name

401538794	WELLBORE DIAGRAM
401538795	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

		Stamp Upon Approval
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Total: 0 comment(s)