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400862263

Date Received:
07/01/2015

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: _____ Tel: _____
 COGCC contact: Email: _____

API Number 05-123-14877-00 Well Number: 2
 Well Name: SCHAFTER
 Location: QtrQtr: NWSE Section: 8 Township: 6N Range: 65W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 55996
 Field Name: EATON Field Number: 19350

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.499283 Longitude: -104.685699
 GPS Data:
 Date of Measurement: 01/16/2010 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
CODELL	7135	7145	04/22/2015	CEMENT	

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	397	285	397	0	
1ST	7+7/8	4+1/2	15.1	7,302	170	7,302	6,276	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 354 sks cmt from 3743 ft. to 3123 ft. Plug Type: CASING Plug Tagged:
Set 300 sks cmt from 3123 ft. to 2335 ft. Plug Type: STUB PLUG 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 278 sacks half in. half out surface casing from 608 ft. to 148 ft. Plug Tagged:
Set 10 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: 3592 ft. 4+1/2 inch casing Plugging Date: 04/22/2015
of _____
*Wireline Contractor: _____ *Cementing Contractor: Magna
Type of Cement and Additives Used: _____
Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Schafter 2 (05-123-14877)/Plugging Procedure (Subsequent Report)
Plugging Date: 4/22/2015
Producing formation: Codell
Existing Perforations: Codell: 7135' - 7145'
TD: 7302' PBD: 7273'
Surface Casing: 8 5/8" 24# @ 397' w/ 285 sks cmt.
Production Casing: 4 1/2" 15.1# @ 7302' w/ 170 sks cmt (TOC 6276').
Procedure:
1. MIRU Magna Energy Services for wireline and cementing. RIH with CIBP. Could not get CIBP to bottom.
2. RIH with bit and scraper to 4500'. Could not get to bottom. Casing appears to be parted.
3. Un-land and pull casing. Laid down 128 jts (3487') of 4 1/2" casing.
4. TIH. Tag top of casing stub at 3592'. Attempted to recover additional casing by cutting casing at 4330' and 4302'. Could not recover additional casing.
5. TIH with tubing to 3743'. Mix and pump 354 sxs of class G 15.8#/gal cmt. Tag TOC at 3123'.
6. With tubing at 3123', mix and pump 300 sxs of class G 15.8#/gal cmt. Tag TOC at 2335'.
7. Reset tubing to 608'. Mix and pump 278 sxs of class G 15.8#/gal cmt circulating cmt to surface.
8. Tag TOC at 148'. Top off surface with 10 sacks cement. Cut casing 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: Regulatory Tech Date: 7/1/2015 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: George, Travis

Date: 8/9/2016

CONDITIONS OF APPROVAL, IF ANY:

<u>COA Type</u>	<u>Description</u>

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400862263	FORM 6 SUBSEQUENT SUBMITTED
400862270	CEMENT JOB SUMMARY
400862273	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	From 7 OK.	8/9/2016 11:09:28 AM
Public Room	Document verification complete 12/30/15	12/30/2015 4:06:13 PM

Total: 2 comment(s)