

Document Number:
401360561

Date Received:
08/01/2017

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: Gomez, Jason Tel: (970) 573-1277

COGCC contact: Email: jason.gomez@state.co.us

API Number 05-123-19532-00

Well Name: CARLSON Well Number: 43-7

Location: QtrQtr: NESE Section: 7 Township: 6N Range: 65W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 55609

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: 40.500890 Longitude: -104.698610

GPS Data:
Date of Measurement: 09/08/2010 PDOP Reading: 2.0 GPS Instrument Operator's Name: Holly L. Tracy

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

Casing to be pulled: Yes No Estimated Depth: 650

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	7142	7152			

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	448	315	448	0	VISU
1ST	7+7/8	3+1/2	9.2	7,376	470	7,376	2,484	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7092 with 2 sacks cmt on top. CIBP #2: Depth 6770 with 2 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 205 sks cmt from 700 ft. to 0 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:
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 Plugging Date: _____
of _____
*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:

Carlson 43-7 (05-123-19532)/Plugging Procedure (Intent)
Producing Formation (Perforations): Codell: 7142'-7152'
TD: 7396' PBD: 7226'
Surface Casing: 8 5/8" 24# @ 448' w/ 315 sxs
Production Casing: 3 1/2" 9.2# @ 7376' w/ 470 sxs cmt (TOC @ 2484' - CBL).

Tubing: 1 1/2" tubing set @ 7115' (11/22/2016).

Proposed Procedure:

1. Run gyro survey.
2. MIRU pulling unit. Pull 1 1/2" tubing.
3. RU wireline company.
4. TIH with CIBP. Set BP at 7092'. Top with 2 sxs 15.8#/gal CI G cement.
5. TIH with CIBP. Set BP at 6770'. Top with 2 sxs 15.8#/gal CI G cement.
6. TIH with casing cutter. Cut 3 1/2" casing at 650'. Pull cut casing.
7. TIH with tubing to 700'. RU cementing company. Mix and pump 205 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
8. 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: 8/1/2017 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: 8/24/2017

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 2/23/2018

COA Type

Description

	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Properly abandon flowlines. Once flowlines are properly abandoned, file electronic form 42. 3) For 700' plug: After it has been verified all fluid migration (liquid or gas) has been eliminated, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 398' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug.
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Attachment Check List

Att Doc Num

Name

401360561	FORM 6 INTENT SUBMITTED
401360576	WELLBORE DIAGRAM
401360577	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	Form 17 dated 8/14/2017 no pressure no flow.	08/24/2017
Public Room	Document verification complete 11/24/15	08/11/2017

Total: 2 comment(s)