

Document Number:
401035802

Date Received:
04/26/2016

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: Kelsi Welch

Name of Operator: PDC ENERGY INC Phone: (303) 831-3974

Address: 1775 SHERMAN STREET - STE 3000 Fax: _____

City: DENVER State: CO Zip: 80203 Email: kelsi.welch@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 05-123-11318-00

Well Name: CARLSON Well Number: 1

Location: QtrQtr: SESE 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: 40.497280 Longitude: -104.699250

GPS Data:
Date of Measurement: 06/03/2010 PDOP Reading: 2.0 GPS Instrument Operator's Name: Steve Cure

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	7152	7162			
NIOBRARA	6890	7097			

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	305	250	305	0	VISU
1ST	7+7/8	4+1/2	11.6	7,256	200	7,256	6,450	CBL
S.C. 1.1					927	5,290	160	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7100 with 2 sacks cmt on top. CIPB #2: Depth 6840 with 2 sacks cmt on top.
 CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 <u>75</u>	sks cmt from <u>3600</u>	ft. to <u>4650</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>50</u>	sks cmt from <u>600</u>	ft. to <u>0</u>	ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>35</u>	sks cmt from <u>160</u>	ft. to <u>0</u>	ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>
Set _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____	sks cmt from _____	ft. to _____	ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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. 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:

Plugging Procedure
 Niobrara
 Codell
 Existing Perforations:
 Niobrara: 6890'-7097'
 Codell: 7152'-7162'
 PBTD: 7236'
 8 5/8" 24# @ 305' w/ 250 sks cmt
 4 1/2" 11.6# @ 7256' w/ 200 sks cmt (TOC @ 6590'; Squeeze TOC @ 160')
 Procedure:
 1. MIRU wireline
 2. RIH set CIBP @ 7100'
 4. RIH w/dump bailer and dump 2 sk cement on top of CIBP @ 7100'
 5. RIH set CIBP @ 6840'
 6. RIH w/dump bailer and dump 2 sk cement on top of CIBP @ 6840'
 7. TOH set 75 sack balance plug @ Parkman/Sussex (3600'-4650')
 8. TOH set 50 sack balance plug @ 600'. Cement should circulate to surface.
 9. Pump 35 sacks in surface casing annulus from 160' to surface
 10. 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: Kelsi Welch
 Title: Regulatory Analyst Date: 4/26/2016 Email: kelsi.welch@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 by _____
JEWELL, STEVE

COGCC Approved: _____

Date: 5/3/2016

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 11/2/2016

COA Type

Description

	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For the 600' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 255' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
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Attachment Check List

Att Doc Num

Name

401035802	FORM 6 INTENT SUBMITTED
401035810	WELLBORE DIAGRAM
401035811	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Permit	Doc # 400981681 is a Form 10 with 125 other wells. Deleted API# 123-11318 Carlson 1. Permitting Review Complete.	5/3/2016 12:10:09 PM
Permit	Well Completion Report dated 10/30/1983	5/3/2016 12:05:26 PM
Public Room	Document verification complete 04/26/16	4/26/2016 9:07:43 AM

Total: 3 comment(s)