

FORM
6Rev
12/05State of Colorado
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

400378069

Date Received:

02/05/2013

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: Travis Yenne

Name of Operator: PDC ENERGY INC

Phone: (970) 506-9272

Address: 1775 SHERMAN STREET - STE 3000

Fax: (970) 506-9276

City: DENVER State: CO Zip: 80203

Email: Travis.Yenne@pdce.com

For "Intent" 24 hour notice required,

Name: PRECUP, JIM

Tel: (303) 726-3822

COGCC contact:

Email: james.precup@state.co.us

API Number 05-123-12549-00

Well Name: FRANK

Well Number: 1-21C

Location: QtrQtr: SESW Section: 21 Township: 3N Range: 65W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

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: 40.206440

Longitude: -104.672220

GPS Data:

Date of Measurement: 10/11/2010

PDOP Reading: 3.0

GPS Instrument Operator's Name: Steve Cure

Reason for Abandonment: ☐ Dry ☒ Production for Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 6500

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	7158	7168			
J SAND	7611	7658			
NIOBRARA	6907	7032			

Total: 3 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	426	300	426	0	CALC
1ST	7+7/8	4+1/2	11.6	7,714	300	7,714	6,700	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7511 with 2 sacks cmt on top. CIBP #2: Depth 6800 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 <u>60</u> sks cmt from <u>6500</u> ft. to <u>6400</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>300</u> sks cmt from <u>3800</u> ft. to <u>3500</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" 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"/>
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 400 sacks half in. half out surface casing from 610 ft. to 0 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: _____ 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
J-Sand/Codell/Niobrara
Existing Perforations:
J-Sand – 7611'-7658'
Codell – 7158'-7168'
Niobrara – 6907'-7032'
PBTD: 7704'
8 5/8" 24# Casing set @ 426' cemented w/ 300 sx
4 1/2" 11.6# Casing set @ 7714' cemented w/ 300 sx
Procedure:
1)MIRU Wireline
2)RIH w/CIBP @ 6800'
3)RIH w/dump bailer, Spot 2 sx cement over CIBP
4)RIH w/CBL, locate TOC
5)TIH w/casing cutter, cut and pull casing
6)TIH and set 50' plug @ stub (6000')
7)TOH and set 300' plug @ Parkman
8)TOH and set cement plug 500' to surface
9)Set 10 sx @ top of 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: Travis Yenne

Title: Engineer Date: 2/5/2013 Email: Travis.Yenne@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: HOLLINSHEAD, RYAN

Date: 2/11/2013

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 8/10/2013

- 1) Provide 48-hour notice of MIRU to Jim Precup at (303) 726-3822.
- 2) Provide an "As Plugged" wellbore diagram identifying the specific plugging completed.
- 3) Submit CBL run during plugging with Form 6 Subsequent Report of Abandonment. Ensure the CIBP proposed at 6800' is placed 50'-100' above the top Niobrara perforation and below the top of cement identified on this CBL.
- 4) For the surface casing shoe plug, if not circulated to surface, tag plug, it must be at least 376' or higher, and a surface plug must be provided.
- 5) If unable to pull casing at 6500', contact COGCC for plugging modifications.
- 6) Properly abandon flowlines as per Rule 1103.
- 7) Operator must tag plugs upon verbal request by the COGCC engineer or COGCC field inspector.
- 8) See plugging changes above.

Attachment Check List

Att Doc Num	Name
400378069	FORM 6 INTENT SUBMITTED
400378071	WELLBORE DIAGRAM
400378072	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)