

Document Number:
401265823

Date Received:
04/24/2017

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: 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 05-123-24575-00

Well Name: RILEY Well Number: 5

Location: QtrQtr: NWNW Section: 13 Township: 5N 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: 40.405360 Longitude: -104.619140

GPS Data:
Date of Measurement: 04/07/2009 PDOP Reading: 2.4 GPS Instrument Operator's Name: ROBERT D. THOMAS

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	6754	6940			
CODELL	7024	7036	11/19/2008	B PLUG CEMENT TOP	6994

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	479	340	479	0	VISU
1ST	7+7/8	4+1/2	11.6	7,287	580	7,287	170	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6704 with 2 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 60 sks cmt from 675 ft. to 0 ft. Plug Type: CASING Plug Tagged:
 Set 40 sks cmt from 170 ft. to 0 ft. Plug Type: ANNULUS 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:

Riley 5 (05-123-24575)/Plugging Procedure (Intent)
 Producing Formation: Niobrara 6754'- 6940'
 Plugged Back Formations: Codell 7024'-7036'
 Existing CIBP Set At: 6994' with 1 sx cement
 TD: 7300' PBTD: 7268'
 Surface Casing: 8 5/8" 24# @ 479' w/340 sxs.
 Production Casing: 4 1/2" 11.6# @ 7287' w/ 580 sks cmt. (TOC at 170' - CBL.)

Tubing: 2 3/8" tubing set at 6722'. (12/18/2008)

Proposed Procedure:

1. MIRU RU pulling unit. Pull tubing.
2. RU wireline company. Run Gyro survey from 6900' to surface.
3. TIH with CIBP. Set BP at 6704'. Top with 2 sxs 15.8#/gal CI G cement.
4. TIH with tubing to 675'. Mix and pump 60 sxs 15.8#/gal CI G cement down tubing. Cement should circulate to surface.
5. Fill production casing annulus from top of annular cement at 170' to surface using 1 1/4" tubing. (Estimated volume 40 sxs.)
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: Kelsi Welch
 Title: Production Tech Date: 4/24/2017 Email: kelsi.welch@pdce.com

Based on the information provided, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved:

Date: 6/1/2017

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 11/30/2017

COA Type

Description

	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For the 675' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be at 429' 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. 4) Prior to starting plugging operations a Bradenhead test shall be performed. If the beginning pressure is greater than 25 psi, or if pressure remains at the conclusion of the test, or if any liquids were present contact COGCC Engineering for sampling requirements. The Form 17 shall be submitted within 10 days of the test.</p>
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Attachment Check List

Att Doc Num

Name

401265823	FORM 6 INTENT SUBMITTED
401265841	WELLBORE DIAGRAM
401265843	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Public Room	Document verification complete 04/27/17	04/27/2017
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Total: 1 comment(s)