

Document Number:
400950483

Date Received:
12/09/2015

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: Kelsi Welch

Name of Operator: PDC ENERGY INC Phone: (303) 831-3971

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: Rickard, Jeff Tel: (720) 305-8280

COGCC contact: Email: jeffrey.rickard@state.co.us

API Number 05-123-12914-00

Well Name: SPAUR Well Number: 10-2

Location: QtrQtr: SESW Section: 10 Township: 4N Range: 67W Meridian: 6

County: WELD Federal, Indian or State Lease Number: 68106

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: 40.321390 Longitude: -104.879310

GPS Data:
Date of Measurement: 04/02/2008 PDOP Reading: 2.5 GPS Instrument Operator's Name: Holly L. Tracy

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

Casing to be pulled: Yes No Estimated Depth: 5776

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	7213	7225			
NIOBRARA	6995	7087			

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	300	250	300	0	VISU
1ST	7+7/8	4+1/2	11.6	7,306	370	7,306	5,786	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6940 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 55 sks cmt from 5900 ft. to 5650 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 165 sacks half in. half out surface casing from 450 ft. to 0 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:

Spaur #10-2 (05-123-12914)/Plugging Procedure (Intent)

1. MIRU pulling unit.
2. Blow down to tanks. Load with fluid to kill well.
3. TOOH with 2 1/16" (Might be 2 3/8" - no recent tubing record) production tubing.
4. Rig up wireline. RIH with CIBP. Set CIBP at 6,940'.
5. Load dump bailer with 2sx of 15.8#/gal CI G cement. TIH with dump bailer and spot on top of CIBP.
6. RIH w/ casing cutter and cut casing above TOC at 5,776'. Pull casing out of hole.
7. TIH with workstring to 5,900'. Circulate and condition well in preparation to pump cement stub plug.
8. RU cementers. Mix and pump 250' of cement with 55 sks of 15.8#/gal CL G cement.
9. Pull up tbg to 450'. Mix and pump 450' of cement with 165 sks of 15.8#/gal CL G cement.
10. 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: Regulatory Analyst Date: 12/9/2015 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.

COGCC Approved: JENKINS, STEVE Date: 12/22/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 6/21/2016

COA Type	Description
	Note changes to plugging procedure: 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) For 450' plug: pump plug and displace. If surface casing plug is not circulated to surface then tag plug – must be 200' 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.

Attachment Check List

Att Doc Num	Name
1696627	WELLBORE DIAGRAM- CURRENT
400950483	FORM 6 INTENT SUBMITTED
400950540	WELLBORE DIAGRAM
400950542	PROPOSED PLUGGING PROCEDURE
400950543	CEMENT BOND LOG

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Permit	Attached current wellbore diagram and separated formations. Permitting Review Complete.	12/22/2015 9:04:14 AM
Permit	ON HOLD: requesting a current Wellbore Diagram.	12/22/2015 8:44:36 AM
Permit	Well Completion Report dated 3/3/1986.	12/22/2015 8:44:35 AM
Public Room	Document verification complete 12/9/15	12/9/2015 2:54:20 PM

Total: 4 comment(s)