

Document Number:
401711904

Date Received:
07/24/2018

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: 10518 Contact Name: Brittany Rothe

Name of Operator: CONFLUENCE DJ LLC Phone: (303) 226-9519

Address: 1001 17TH STREET #1250 Fax: (303) 226-9595

City: DENVER State: CO Zip: 80202 Email: brothe@confluencelp.com

For "Intent" 24 hour notice required, Name: Gomez, Jason Tel: (970) 573-1277

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

API Number 05-001-08266-00

Well Name: PENROD 4-15 Well Number: 1

Location: QtrQtr: SWSE Section: 4 Township: 1S Range: 65W Meridian: 6

County: ADAMS 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: 39.989600 Longitude: -104.665270

GPS Data:
Date of Measurement: 04/28/2010 PDOP Reading: 2.3 GPS Instrument Operator's Name: KEITH WESTFALL

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other P&A'ing barely economic well prior to offset HZ completions

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
J SAND	7946	7974			

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	252		252		
1ST	6+5/8	3+1/2	9.3	8,045	250	8,045	7,060	CBL
S.C. 1.1				1,400	350	1,420	0	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7896 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 15 sks cmt from 1420 ft. to 1075 ft. Plug Type: CASING 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 7010 ft. with 113 sacks. Leave at least 100 ft. in casing 6960 CICR Depth
Perforate and squeeze at 2500 ft. with 50 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 35 sacks half in. half out surface casing from 780 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. _____ inch casing Plugging Date: _____
of _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1105 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Pull Tubing and Gyro Wellbore

- 1.) MIRU wireline. RIH with Gyro Survey to EOT. RD wireline.
- 2.) MIRU workover rig, pump and tank. Blow down wellhead, rig up and pump 10-20 bbls lease water down tubing to control well.
- 3.) ND wellhead, NU BOP. Make up 2-3/8" pump joint and TIW to tubing string. PU on tubing, un-land tubing and tubing hanger.
- 4.) Inspect via Tuboscope while TOO H w/ +/- 7939' 2-3/8" tubing string.

Plug Well

- 5.) RIH wireline, set CIBP @ +/- 7,896', ~50' above top perf.
- 6.) Dump 2 sacks cement on CIBP. Test casing to 500 psi.
- 7.) If test ok, RIH on wireline a 1', 2 spf perf gun. Shoot 2 squeeze holes @ +/- 7,010'. RD wireline.
- 8.) RIH with a tubing-set 3-1/2" x 2-3/8" cement retainer, 2-3/8" stinger and 2-3/8" tubing. Set cement retainer @ +/- 6,960'.
- 9.) RU cementers. Squeeze 118 sxs of 15.8 ppg Class G 'neat' cement down tubing/ retainer and into squeeze holes. (113 + 5 above retainer)
- 10.) Sting out of cement retainer with 5 sacks in tubing and spot cement on top of retainer. PU +/- 65' and circulate hole clean, TOO H with 2-3/8" tubing. Note any cement while circulating hole. WOC.
- 11.) RU wireline. Tag TOC, run CBL across squeeze. Confirm >400' cement coverage over Niobrara. If coverage is not adequate, repeat steps 7 – 9, shooting perf holes @ about TOC per CBL.
- 12.) Once adequate cement in annular of 3-1/2" production string is achieved, move to next.
- 13.) RIH on wireline a 1', 2 spf perf gun. Shoot 2 squeeze holes @ +/- 1,385'. RD wireline.
- 14.) RIH with tubing set 3-1/2" x 2-3/8" cement retainer, 2-3/8" stinger and 2-3/8" tubing. Set cement retainer @ +/- 1,335'.
- 15.) RU cementers. Squeeze 123 sxs of 15.8 ppg Class G 'neat' cement down tubing/ retainer and into squeeze holes. (118 + 5 above retainer)
- 16.) Sting out of cement retainer with 5 sacks in tubing and spot cement on top of retainer. PU +/- 65' and circulate hole clean, TOO H with 2-3/8" tubing. Note any cement while circulating hole. WOC.
- 17.) RU wireline. Tag TOC, run CBL across squeeze. Confirm cement coverage over Fox Hills. If coverage is not adequate, repeat steps 15 – 17, shooting perf holes @ about TOC per CBL.
- 18.) RIH on wireline a 1', 2 spf perf gun. Shoot 2 squeeze holes @ 352'. RD wireline.
- 19.) RU cementers to 3-1/2" casing. Bullhead pump 109 sx of 15.8 ppg Class G 'neat' for surface plug down casing and up annulus to surface.
- 20.) RDMO.

Reclaim

- 21.) Excavate around wellhead to 8' below grade, cut off 3-1/2" casing and 8-5/8" casing, weld on cap.
- 22.) Obtain GPS location data as per COGCC Rule 215.
- 23.) Backfill hole and reclaim surface to original conditions.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Brittany Rothe
Title: Engineering Manager Date: 7/24/2018 Email: brothe@confluencelp.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: BURN, DIANA Date: 8/11/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/10/2019

COA Type	Description
	<p>NOTE: Changes in plugging procedure - removed CICR, deepened plug, changed volume - additional plug 2500'</p> <p>If cement not present behind casing at surface - needs to be cement placed outside of casing at surface. Fox Hills plug (1425') plug shall be tagged at 1280' or shallower.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) If 780' plug does not remain at surface after WOC - tag plug and provide cement at surface.</p> <p>3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p>
	<p>Prior to starting plugging operations a bradenhead test shall be performed.</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>
	<p>Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.</p>

Attachment Check List

Att Doc Num	Name
401711904	FORM 6 INTENT SUBMITTED
401712031	PROPOSED PLUGGING PROCEDURE
401712033	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Denver 5004 5090 32.5 125 39 8.84 NNT Upper Arapahoe 4783 4958 27.8 346 171 7.56 NNT Lower Arapahoe 4398 4708 104.0 731 421 28.29 NT Laramie-Fox Hills 3799 4052 151.1 1330 1077 36.26 NT	08/11/2018
Permit	Ready to pass form. J Sand productive interval confirmed via doc# 312152.	07/30/2018
Well File Verification	Pass	07/26/2018

Total: 3 comment(s)