

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
 Email: jason.gomez@state.co.us

COGCC contact:

API Number 05-001-08831-00 Well Number: 1
 Well Name: HASKINS
 Location: QtrQtr: SWSW 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: 39.989870 Longitude: -104.674860
 GPS Data:
 Date of Measurement: 01/21/2015 PDOP Reading: 2.2 GPS Instrument Operator's Name: DUANE RUSSELL
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other P&A'ing barely-economic well w/unknown cement coverage prior to
 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
D SAND	7866	7868			
J SAND	7942	7946			
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	unknown	261	165			
1ST	7+7/8	4+1/2	unknown	8,040		8,040		
			Stage Tool	1,388	100	1,388	910	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7816 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 44 sks cmt from 1410 ft. to 835 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 6000 ft. with 265 sacks. Leave at least 100 ft. in casing 5990 CICR Depth
Perforate and squeeze at 2500 ft. with 40 sacks. Leave at least 100 ft. in casing _____ CICR Depth
Perforate and squeeze at 770 ft. with 50 sacks. Leave at least 100 ft. in casing _____ CICR Depth
(Cast Iron Cement Retainer Depth)

Set 160 sacks half in. half out surface casing from 390 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 – Verify Production Casing Top, and Cement Bond

- 1.) MIRU workover rig, pump and tank. Blow down wellhead, rig up and pump 10-20 bbls lease water down tubing to control well.
- 2.) ND wellhead, NU BOP. Make up 2-3/8" pump joint and TIW to tubing string. PU on tubing, unland tubing and tubing hanger.
- 3.) Inspect via Tuboscope while TOOH w/ 7934' 2-3/8" tubing string. Lay down 1 joint.
- 4.) MIRU Wireline. RIH with Gyro Survey and CBL. Log well. Evaluate TOC of primary job and Fox Hills squeeze.

Plug Well

- 5.) RIH Wireline, set CIBP @ +/- 7,816', ~50' above top perf as long as CBL shows TOC above 7,816'.
- 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 @ +/- 6,000'. RD Wireline.
- 8.) RIH with tubing set 4-1/2" x 2-3/8" cement retainer, 2-3/8" stinger and 2-3/8" tubing. Set cement retainer @ +/- 5,990'.
- 9.) RU cementers. Squeeze 265 sxs of 15.8 ppg Class G 'neat' cement down tubing/ retainer and into squeeze holes.
- 10.) Sting out of cement retainer with 5 sacks in tubing and spot cement on top of retainer. PU 75' and circulate hole clean, TOOH with 2-3/8" tubing. Note any cement while circulating hole. WOC.
- 11.) RU wireline. Run CBL across squeeze. Confirm >400' cement coverage. If coverage is not adequate, repeat steps 7 – 9, shooting perf holes @ about TOC per CBL.
- 12.) Once adequate cement in annular of 4-1/2" production string is achieved, move to next.
- 13.) RIH with 2-3/8" tubing and mule shoe to 1,410', 100' below Fox Hills.
- 14.) RU cementers. Pump 44 sx balanced plug of 15.8 ppg Class G 'neat' cement across Fox Hills.
- 15.) POOH 2-3/8" tubing laying down. WOC.
- 16.) MIRU Wireline. Tag TOC to confirm height. If confirmed, then PU and shoot 2 squeeze holes at 311'.
- 17.) RU cementers to 4-1/2" casing. Pump 97 sx of 15.8 ppg Class G 'neat' for surface plug down casing and up annulus to surface.
- 18.) RDMO.

Reclaim

- 19.) Excavate around wellhead to 8' below grade, cut off 4-1/2" casing and 8-5/8" casing, weld on cap.
- 20.) Obtain GPS location data as per COGCC Rule 215.
- 21.) 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: 6/27/2018 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: 8/8/2018

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 2/7/2019

COA Type	Description
	<p>NOTE: Changes in plugging procedure. CBL to be run prior to plugging to verify stage tool setting depth and existing coverage - submit to COGCC for verification of plugging orders. Additional plugs required.</p> <p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 1410' plug: pump plug and displace - tag plug – must be 1260' or shallower. Surface casing plug perforated at 390', pumped and tagged if not circulated to surface - must be 210' or shallower and provide 10 sx plug at the surface (inside and outside of casing). Leave at least 100' cement in the casing for each plug.</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>
	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>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a bradenhead test shall be performed. If the well was not sampled as part of a prior test it should be sampled if pressure is 25# or greater. If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).</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>

Attachment Check List

Att Doc Num	Name
401686811	FORM 6 INTENT SUBMITTED
401686872	PROPOSED PLUGGING PROCEDURE
401686875	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Denver 5006 5088 24.3 107 25 6.62 E NNT Upper Arapahoe 4779 4964 23.8 334 149 6.47 NNT Lower Arapahoe 4393 4704 104.5 720 409 28.44 NT Laramie-Fox Hills 3800 4055 149.8 1313 1058 35.95 NT DIL 1380' - WW LKA, UKA, GW(DEN)	08/08/2018
Permit	Ready to pass form. D Sand and J Sand productive intervals confirmed via doc# 312171. dlb - asked how D SI with J PR	07/13/2018
Well File Verification	Pass	07/03/2018

Total: 3 comment(s)