

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.

Document Number:
401676517

Date Received:
06/18/2018

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 05-001-06229-00

Well Name: UPRR 33 PAN AM NAV Well Number: 1

Location: QtrQtr: NWSW Section: 9 Township: 1S Range: 65W Meridian: 6

County: ADAMS Federal, Indian or State Lease Number: _____

Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.977860 Longitude: -104.676120

GPS Data:
Date of Measurement: 06/07/2018 PDOP Reading: 1.1 GPS Instrument Operator's Name: Kyle Daley

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other Re-entry to properly plug 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	7972	8028	03/21/1972	CEMENT	7860

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	234	200	234	0	
1ST	7+7/8	4+1/2	10.5/11.6	8,120	200	8,120	7,045	CALC
	7+7/8	4+1/2	Stage Tool	1,275	200	1,275	395	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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 25 sks cmt from 1375 ft. to 1055 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 5500 ft. with 180 sacks. Leave at least 100 ft. in casing 5470 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 74 sacks half in. half out surface casing from 300 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:

Locate Well and Make-Up Wellhead

- 1.) Call Line Locates & Provide 48 hr. Form 42 notice to COGCC prior to 'excavation and rig up.'
- 2.) Survey and locate abandoned well, mark with stake, and take location photos.
- 3.) Excavate to expose top of surface casing.
- 4.) Prepare location surrounding exposed casing as necessary for rig.
- 5.) Set and test deadman anchors as necessary.
- 6.) Weld 2" collar to top of 8-5/8" surface casing cap. Make up to collar, pneumatic drill with non-sparking bit. Drill out cap venting possible trapped gas.
- 7.) Once verified that no gas exists beneath top of surface casing plate, cut off surface casing below plate with torch, dress up smooth.
- 8.) Butt weld 8-5/8" casing to dressed cut, bringing threaded end of casing to ground level.
- 9.) Make up to 8-5/8" casing one 8-5/8" collar, and an 8-5/8" starter well head.
- 10.) NU flange adaptor and 5k BOP, test BOP.

Drill out Old Plug, Squeeze and Set New Plugs

- 11.) NU and RIH with 6-1/8" bit, PU 2-7/8" (or 3-1/2") drill collars, 2-7/8" 6.5# tubing, and TIW valve.
- 12.) Drill out 10 sx cement plug at surface. Roll hole with kill fluid until well dead, or blown down.
- 13.) Continue RIH w/ 2-7/8" work string, cleaning out with drilling mud or water to +/- 7860', the estimated top of plug over the J-Sand, tag top of plug. Circulate hole clean.

*Note, slow down @ +/- 7500' as top of plug could be near 7650**

- 14.) TOOH tubing, drill collars and bit.
- 15.) MIRU logging truck, Run CBL to confirm production casing cement tops. Wait on orders if any issues found. Make 2nd run with Gyro survey.
- 16.) Based on CBL and 1st stage cement top, evaluate potential location to squeeze in to 4-1/2" x 7-7/8" annulus. Need to provide >400' cement barrier above Niobrara.
- 17.) Pressure test casing to 500 psi.
- 18.) RIH w/ perf guns and shoot squeeze holes @ +/- 5500' based on evaluation. POOH w/ wireline.
- 19.) MU BHA for cement squeeze. RIH w/ 4-1/2" cement retainer, stinger assembly and 2-7/8" workstring to +/- 5470'. Set cement retainer.
- 20.) RU cementers. Squeeze 180 sx of 15.8 ppg Class G 'neat' cement down tubing/ retainer and into squeeze holes.
- 21.) Sting out of cement retainer, spot last 5 sacks on top of retainer. PU 75', circulate hole clean, TOOH with 2-7/8" tubing. WOC.
- 22.) MIRU wireline. Run CBL across squeeze. Confirm >400' cement coverage. If 1st CBL also showed good cement over Fox Hills, prep for cement plug inside 4-1/2" casing.
- 23.) TIH w/ mule shoe 2-7/8" tubing, tag cement retainer, PU to 1500'.
- 24.) RU cementers. Pump 25 sx balanced plug of 15.8 ppg Class G 'neat' cement in 4-1/2" casing.
- 25.) Pull 2-7/8" tubing up to 1,000'. Roll hole clean. POOH.
- 26.) RIH on wireline with perf or chemical cutter gun, shoot 2 squeeze holes in 4-1/2" casing above TOC @ +/- 250'. If TOC is in 8-5/8" surface casing, ensure hole penetration will not shoot through 8-5/8". POOH.
- 27.) RU cementers to 4-1/2" casing. Pump 74 sx of 15.8 ppg Class G 'neat' cement inside/outside the production casing from 250' to surface.
- 28.) RD cementers.
- 29.) RDMO workover.

Reclaim

- 30.) Excavate around wellhead to 8' below grade, cut off 8-5/8" casing, top off cement if necessary, weld on cap.
- 31.) Obtain GPS location data as per COGCC Rule 215.
- 32.) 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: 6/18/2018 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: 7/10/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/9/2019

COA Type	Description
	NOTE: Change in plugging procedure - surface plug should start inside stub, volume increased 1) Provide 48 hour notice of plugging MIRU via electronic Form 42.
	Verify as-built GPS with Subsequent Report of Abandonment, Form 6.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401676517	FORM 6 INTENT SUBMITTED
401676579	WELLBORE DIAGRAM
401676581	PROPOSED PLUGGING PROCEDURE
401676585	SURFACE OWNER CONSENT
401676587	LOCATION PHOTO

Total Attach: 5 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Denver 4995 5085 34.5 147 57 9.39 NNT Upper Arapahoe 4770 4949 39.1 372 193 10.63 NT Lower Arapahoe 4394 4695 100.8 748 447 27.41 NT Laramie-Fox Hills 3795 4034 155.5 1347 1108 37.31 NT Deepest WW 740'	07/10/2018
Permit	Ready to pass form. J Sand productive interval confirmed via doc# 339195 and plug via doc# 339193.	07/10/2018
Well File Verification	Well file not found for verification - pass task 06/21/18	06/21/2018

Total: 3 comment(s)