FORM 6 Rev 05/18

# State of Colorado
# Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109

| DE | ET | OE | ES |
|---|---|---|---|
| | | | |

**Replug By Other Operator**

Document Number: 401676109

Date Received: 06/18/2018

## 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, COGCC contact:** Name: Gomez, Jason Tel: (970) 573-1277 Email: jason.gomez@state.co.us

API Number 05-001-06867-00

Well Name: HELEN M PENROD Well Number: 1

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: 39.989580 Longitude: -104.674840

GPS Data:

Date of Measurement: 06/07/2018 PDOP Reading: 1.7 GPS Instrument Operator's Name: Daley Land Surveying

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 |
|---|---|---|---|---|---|
| | | | | | |

Total: 0 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 | 206 | 200 | 206 | 0 | VISU |
| OPEN HOLE | 7+7/8 | | | 7,912 | | | | |

# Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.

CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #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 221 sks cmt from 6000 ft. to 5400 ft. Plug Type: OPEN HOLE Plug Tagged: [X]

Set 221 sks cmt from 1500 ft. to 900 ft. Plug Type: OPEN HOLE Plug Tagged: [X]

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 119 sacks half in. half out surface casing from 350 ft. to 0 ft. Plug Tagged: [X]

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: [ ] Yes [X] 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 1105 [ ] Yes [ ] No *ATTACH JOB SUMMARY

Technical Detail/Comments:

**NOTE - ESTIMATED SIZE OF WELLBORE FOR SURFACE CASING. ACTUAL HOLE SIZE NOT AVAILABLE ON ANY RECORDS**

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/s and Set New Plugs
11.) MU 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 (down to 40'), PSI test surface casing to 300 psi.
13.) Drill out 10 sx cement plug @ 150'. Roll hole with kill fluid until well is dead, or blown down.
14.) Continue RIH, cleaning out, tag top of Fox Hills plug, +/- 1,000'.
15.) Drill out plug to +/- 1,200'. Continue to cleanout, RIH and clean out with target depth of +/- 6,000'. Circulate hole clean.
16.) TOOH 2-7/8" work string, drill collars and bit.
17.) PU and RIH with mule shoe and 2-7/8" tubing to +/- 6,000'.
18.) MIRU wireline, RIH gyro survey to EOT. POOH.
19.) RU cementers. Pump 221 sack balance plug of 15.8 ppg Class G 'neat' cement inside 7-7/8" open hole from +/- 6,000' plug up to ~5,400'.
20.) PU with 2-7/8" tubing to +/- 5,200' (800' above bottom of plug). Roll hole clean, wait on cement.
21.) RIH with 2-7/8" tubing and tag top of cement plug, confirm TOC.
22.) POOH 2-7/8" sting to +/- 1,500', 190' below Fox Hills.
23.) RU cementers. Pump 221 sack balance plug of 15.8 ppg Class G 'neat' cement inside 7-7/8" open hole from +/- 1,500' plug up to ~900'.
24.) Pull 2-7/8" tubing to 700'. Roll hole clean. Pull tubing to 256'.
25.) RU cementers. Pump 79 sx of 15.8 ppg Class G 'neat' across surface shoe to surface.
26.) POOH with 2-7/8" tubing. Top off tubing displacement when out of hole. RD cementers.
27.) RDMO.

Reclaim
28.) Excavate around wellhead to 8' below grade, cut off 8-5/8" casing, weld on cap.
29.) Obtain GPS location data as per COGCC Rule 215.
30.) 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: Changes in plugging procedure - shoe plug deepened (isolate UKA/LKA)<br>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

| Att Doc Num | Name |
|---|---|
| 401676109 | FORM 6 INTENT SUBMITTED |
| 401676119 | WELLBORE DIAGRAM |
| 401676121 | SURFACE OWNER CONSENT |
| 401676122 | LOCATION PHOTO |
| 401676130 | PROPOSED PLUGGING PROCEDURE |

Total Attach: 5 Files

## General Comments

| User Group | Comment | Comment Date |
|---|---|---|
| Engineer | Denver 5006 5088 24.7 68 -14 6.73 E NNT<br>Upper Arapahoe 4779 4963 24.3 295 111 6.60 NNT<br>Lower Arapahoe 4393 4704 104.5 681 370 28.42 NT<br>Laramie-Fox Hills 3800 4054 150.1 1274 1020 36.03 NT<br>DIL 1380' | 07/10/2018 |
| Well File Verification | Well file not found for verification - pass task 06/20/18 | 06/20/2018 |

Total: 2 comment(s)