

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:

402311280

Date Received:

02/14/2020

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: Bob Weitzel

Name of Operator: CONFLUENCE DJ LLC

Phone: (970) 481-8730

Address: 1001 17TH STREET #1250

Fax: (303) 226-9595

City: DENVER State: CO Zip: 80202

Email: rweitzel@confluencelp.com

For "Intent" 24 hour notice required,

Name: Evins, Bret

Tel: (970) 420-6699

COGCC contact:

Email: bret.evins@state.co.us

API Number 05-123-13148-00

Well Name: HERGENREDER

Well Number: 32-15

Location: QtrQtr: SWSE Section: 32 Township: 5N Range: 63W Meridian: 6

County: WELD

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: 40.350340

Longitude: -104.457190

GPS Data:

Date of Measurement: 01/29/2020

PDOP Reading: 1.3

GPS Instrument Operator's Name: Kyle Daley

Reason for Abandonment: ☐ Dry ☐ Production Sub-economic ☐ Mechanical Problems☒ Other Re-entry and re-plugging prior to offset Confluence Silverton fracsCasing to be pulled: ☐ Yes ☒ No Estimated Depth:Fish in Hole: ☐ Yes ☒ No If yes, explain details belowWellbore 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	303	250	303	0	CALC
OPEN HOLE	7+7/8			6,700				

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 184 sks cmt from 6000 ft. to 5500 ft. Plug Type: OPEN HOLE Plug Tagged: ☐
Set 260 sks cmt from 1600 ft. to 900 ft. Plug Type: OPEN HOLE 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 160 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. _____ inch casing Cut and Cap 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 as necessary for rig.

5.) If metal plate is welded on as cap, 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.

6.) Once verified that no gas exists beneath top of surface casing plate, cut off surface casing below plate with torch, dress up smooth.

7.) Butt weld 8-5/8" casing to dressed cut, bringing threaded end of casing to ground level.

8.) Make up to 8-5/8" casing one 8-5/8" collar, and an 8-5/8" starter wellhead.

9.) NU flange adaptor and 5k BOP, test BOP.

Drill out Old Plug/s and Set New Plugs

10.) MIRU Rig

11.) RIH with 7-7/8" bit (original bore hole) & 5" drill pipe.

12.) Drill out surface 10 and 20 sx cement plugs to 450', PSI test or pump-in test to check for lost circulation.

13.) If cannot control drilling losses with LCM material, pump 100 sx cement squeeze to control losses.

14.) Continue RIH, cleaning out old mud, and wash down with fluid density to maintain slight overbalanced conditions (expect ~ 9.0 ppg). RIH and clean out to target depth of +/- 6,000'. Circulate hole clean.

15.) PU Gyro tool and survey the well inside the drill pipe.

16.) TOOH drill string, and bit. LD bit & PU and RIH with open ended 5" drill pipe to +/- 6,000'.

17.) Perform flow check to ensure well is static.

18.) RU cementers. Pump 184 sack balanced plug of 15.8 ppg Class G 'neat' cement inside 7-7/8" open hole from +/- 6,000' up to ~5,500'.

19.) If balanced plug job pumped as designed, SOH with 5" drill pipe to 1,600'. If any indication of issues with balanced plug, WOC and tag if necessary.

20.) Perform flow check to ensure well is static.

21.) RU cementers. Pump 260 sack balanced plug of 15.8 ppg Class G 'neat' cement inside 7-7/8" open hole from +/- 1,600' plug up to ~900'.

22.) Pull 5" drill pipe to 500'. Roll hole clean. WOC.

23.) RIH with and tag top of cement plug, confirm TOC.

24.) Verify that all fluid migration (liquid and gas) has been eliminated. Shut in well to see if PSI builds, open well and check for any flow. (If fluid migration or pressure remains, contact COGCC)

25.) SOH 5" drill pipe to 453' (150' below surface casing shoe). RU cementers. Pump 160 sacks of 15.8 ppg Class G 'neat' across surface shoe to surface.

26.) POOH with drill pipe. Top off pipe displacement when out of hole. RD cementers.

27.) RDMO.

Reclaim

28.) Leave bell hole and well uncapped for 5 days to ensure successful plugging.

29.) Excavate around wellhead to 8' below grade, cut off 8-5/8" casing, weld on cap with weep hole.

30.) Inscribe well name & number, legal location and API 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: 2/14/2020

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: Jacobson, Eric

Date: 2/18/2020

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 8/17/2020

COA Type	Description
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 450' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 253' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>6) After placing the shallowest hydrocarbon isolating plug (6000'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p>
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.

Attachment Check List

Att Doc Num	Name
2238791	LOCATION PHOTO
402311280	FORM 6 INTENT SUBMITTED
402311336	PROPOSED PLUGGING PROCEDURE
402311337	WELLBORE DIAGRAM
402311347	WELL LOCATION PLAT
402313127	SURFACE OWNER CONSENT

Total Attach: 6 Files

General Comments

User Group	Comment	Comment Date
Engineer	Well file verification not completed prior to approval of NOIA.	02/18/2020
Engineer	Deepest Water Well within 1 Mile – 480' SB5 Base of Fox Hills - 137'	02/18/2020
Permit	•Permitting review complete and task passed.	02/14/2020

Total: 3 comment(s)