

FORM
6
Rev
11/20

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
Document Number: 402563915			
Date Received: 12/30/2020			

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: Brittany Rothe
 Name of Operator: CONFLUENCE DJ LLC Phone: (303) 226-9519
 Address: 1001 17TH STREET #1250 Fax: (303) 226-9500
 City: DENVER State: CO Zip: 80202 Email: brothe@confluencelp.com

For "Intent" 24 hour notice required, Name: Burns, Adam Tel: (970) 218-4885
COGCC contact: Email: adam.m.burns@state.co.us

Type of Well Abandonment Report: Notice of Intent to Abandon Subsequent Report of Abandonment

API Number 05-123-48440-00
 Well Name: SILVERTON Well Number: 5-5-1L
 Location: QtrQtr: NWSW Section: 4 Township: 4N Range: 63W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: _____
 Field Name: WATTENBERG Field Number: 90750

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.341120 Longitude: -104.451520
 GPS Data: GPS Quality Value: 1.7 Type of GPS Quality Value: PDOP Date of Measurement: 04/07/2020

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____

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: Confluence DJ utilized Ensign Rig 122 to drill surface hole and set 9-5/8" surface casing for the subject well, Silverton 5-5-1L, 05-123-48440, from 3/4-3/5/2020.

Confluence DJ returned with Ensign Rig 162 and spud the production hole on 12/19/2020. The following details describe how the subject wellbore came to be in its current condition:

- Drill to planned TD of 16,220'. Normal clean-up of well post-TD. POOH with drill pipe.
- Run 5-1/2" 20# casing. Have to work casing to bottom starting at 12,470'. Able to get to bottom.
- Unable to establish circulation after running casing before starting cement. Several attempts to rotate and reciprocate pipe unsuccessful in establishing circulation.
- Pull all casing to attempt reamer/clean out run on drill pipe.
- Start in hole with tri-cone bit and drill pipe to ream/clean hole. Unable to get past 13,200', POOH for wiper trip. Drill pipe gets stuck at 12,070', unable to POOH, RIH, rotate or circulate.
- Several attempts made with wireline and coil to recover pipe. Attempt to cut drill pipe at ~11,800', coil ends up getting stuck in drill pipe at 9,060', unable to reach target. Cut drill pipe at ~9,030' and release from used pipe cutter, POOH with coil.
- Work to free and pull drill pipe from 9,046'. Top of fish @ 9,046'.
- Lost in Hole: 8-1/2" tri-cone bit, bit sub, 6 joints heavy weight drill pipe, 63 joints drill pipe, 22.75' cut drill pipe, 2" radial arm coil cutter.

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	Grade	Wt/Ft	Csg/Liner Top	Setting Depth	Sacks Cmt	Cmt Btm	Cmt Top	Status
SURF	13+1/2	9+5/8	J-55	36	0	1581	470	1590	0	VISU

Subsurface hazards include, but are not limited to, the following: overpressured zones, underpressured zones, major geologic faults, salt sections, H2S at concentrations greater than or equal to 100 ppm.

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 350 sks cmt from 6734 ft. to 5730 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 140 sks cmt from 4250 ft. to 3850 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 440 sacks half in. half out surface casing from 2500 ft. to 1330 ft. Plug Tagged:
 Set 35 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. of _____ inch casing Number of Days from Setting Surface Plug to Capping or Sealing the Well: _____
 Surface Plug Setting Date: _____ Cut and Cap Date: _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1105 Yes No

Technical Detail/Comments:
 Confluence DJ has written this procedure assuming we will use 15.8 lb/gal, 1.15 ft³/sack yield Class G 'Neat' cement for the P&A. There is a possibility that we can use 14.4 lb/gal, 1.7 ft³/sack yield cement that was originally intended to cement this well's production string. If we're able to use the production string cement, do we have the COGCCs permission to do so assuming we keep the plug set depths and tops the same, and adjust the sacks of cement per the yield in question? Thank you!

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: 12/30/2020 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: McFarland, Nick

Date: 12/31/2020

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 6/29/2021

COA Type	Description
	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.
	1) After placing the plug at 4250', 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. 2) Prior to placing the 2500' plug: verify that all fluid migration (liquid and gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders. 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 1540' or shallower and provide 10 sx plug at the surface. 4) Leave at least 100' of cement in the wellbore for each plug. 5) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.

Attachment List

Att Doc Num	Name
402563915	FORM 6 INTENT SUBMITTED
402563939	OTHER
402563941	DIRECTIONAL SURVEY
402563944	WELLBORE DIAGRAM
402563946	PROPOSED PLUGGING PROCEDURE

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Engineer	Operator may use their preferred yield of cement as long as it meets all requirements set out in COGCC rules and the coverage remains the same as represented by this form (setting depth and TOC). See rule 319 for abandonment. It is not the number of sacks which is important, but the actual volume.	12/31/2020
Engineer	SB5 Base of Fox Hills Aquifer: 211' Deepest water well within 1 mile: 660' # of wells: 26 Base of Upper Pierre - 1330' - Offset Induction Log - Doc: 1255894 Production within one mile: JSND, CODL, NBRR	12/31/2020
Permit	Form 5 in process. Reviewed attachments. Pass.	12/30/2020

Total: 3 comment(s)