

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:
401451898

Date Received:
11/07/2017

OGCC Operator Number: 10459 Contact Name: Kaleb Roush
 Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 354-4580
 Address: 370 17TH STREET SUITE 5300 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: kroush@extractionog.com

For "Intent" 24 hour notice required, Name: O'Donnell, Shaun Tel: (720) 305-8280
COGCC contact: Email: shaun.odonnell@state.co.us

API Number 05-123-05368-00 Well Number: 1
 Well Name: STATE AF
 Location: QtrQtr: NWSE Section: 16 Township: 7N Range: 67W Meridian: 6
 County: WELD 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: 40.573553 Longitude: -104.897165
 GPS Data:
 Date of Measurement: 11/01/2017 PDOP Reading: 1.2 GPS Instrument Operator's Name: Derik Drinnen
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Re-enter to re-plug
 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	10+3/4	35.75	377	190	377	0	VISU
OPEN HOLE	7+7/8			9,060				

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 83 sks cmt from 3000 ft. to 2800 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:
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 53 sacks half in. half out surface casing from 427 ft. to 277 ft. Plug Tagged:
Set 10 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 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

May add CIBP @ 200' if deemed necessary.

We have historically had issues on re-entries in this area. If we are unable to reach 3000', we may need to set the 200' plug higher around 1500'.

Surface string: hole size and #/ft are assumed
OH: size is assumed

Purpose: Re-enter and adequately re-plug prior to hydraulic stimulation of Extraction's Walt pad.
Closed loop system will be used.

Need to drill out existing plugs and pump new ones to ensure WBI and provide adequate aquifer isolation.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Kaleb Roush
Title: Production Engineer Date: 11/7/2017 Email: kroush@extractionog.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: HICKEY, MIKE Date: 12/11/2017

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 6/10/2018

COA Type	Description
	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.
	1) Submit Form 42 electronically to COGCC 48 hours prior to MIRU. 2) Prior to placing the 3000' 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 requirements. 3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours and tag plug – top of plug must be not deeper than 327' and provide minimum 10 sx plug at the surface. Leave at least 100' of cement in the wellbore for each plug. 4) Properly abandon any flowlines if encountered. Once all flowlines are properly abandoned, file electronic form 42.
	After drilling out the surface casing shoe plug, if it requires more than washing and/or reciprocation to get to depth, contact COGCC before drilling.

Attachment Check List

Att Doc Num	Name
401451898	FORM 6 INTENT SUBMITTED
401451995	SURFACE OWNER CONSENT
401451997	WELLBORE DIAGRAM
401451998	WELLBORE DIAGRAM
401452040	LOCATION PHOTO

Total Attach: 5 Files

General Comments

User Group	Comment	Comment Date
Public Room	Well file not found for verification - passed task 11/24/17	11/24/2017

Total: 1 comment(s)