

**Replug By Other Operator**

Document Number:  
401488151

Date Received:  
12/15/2017

**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: 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 05-123-05318-00

Well Name: FRED BRUNNER JR Well Number: 2

Location: QtrQtr: NESW Section: 26 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: 40.543392 Longitude: -104.862826

GPS Data:  
Date of Measurement: \_\_\_\_\_ PDOP Reading: \_\_\_\_\_ GPS Instrument Operator's Name: \_\_\_\_\_

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems

Other Re-enter to replug

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
LYONS	8949	8976	11/22/1969	CEMENT	8940

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	10+3/4	40.5	518	400	518	0	VISU
1ST	9	7	23	9,031	350	9,031	8,043	CALC

## 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 85 sks cmt from 5026 ft. to 4825 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 70 sks cmt from 4345 ft. to 4215 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 339 sks cmt from 1200 ft. to 468 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:

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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged:   
 Set 25 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:  
 Hole sizes are estimates and were used for cement calculations.  
 Lat/ longs will be measured and entered on the subsequent form 6.

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: 12/15/2017 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: SUTPHIN, DIRK Date: 1/11/2018  
**CONDITIONS OF APPROVAL, IF ANY:** Expiration Date: 7/10/2018

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401488151	FORM 6 INTENT SUBMITTED
401488243	LOCATION PHOTO
401488246	SURFACE OWNER CONSENT
401488249	WELLBORE DIAGRAM
401488252	WELLBORE DIAGRAM

Total Attach: 5 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Note changes to submitted form. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Shoe plug: Tag plug 50' above surface casing shoe, if not circulated to surface. 3) Surface plug: Cement from 50' to surface. 4) Properly abandon flowlines (if any) per Rule 1103. File Form 42 when done.	01/11/2018
Engineer	Regarding CIBP + 2 sx proposed at 750': Production casing was pulled in 1969 at 5026'. Surface casing is at 518'. Extraction proposes a 339 sks cement plug from 1200' to 468'. After the 1200'-468' plug there needs to be a plug from 50' to surface. I calculate this as 25 sks.	01/11/2018
Public Room	Document verification complete 01/10/18	01/10/2018

Total: 3 comment(s)