

Document Number:  
402315859

Date Received:  
02/18/2020

**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: 10459 Contact Name: Philip Antonioli  
 Name of Operator: EXTRACTION OIL & GAS INC Phone: (720) 354-4603  
 Address: 370 17TH STREET SUITE 5300 Fax: \_\_\_\_\_  
 City: DENVER State: CO Zip: 80202 Email: PAntonioli@extractionog.com

**For "Intent" 24 hour notice required,** Name: Gomez, Jason Tel: (970) 573-1277  
 COGCC contact: Email: jason.gomez@state.co.us

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

API Number 05-123-37754-00  
 Well Name: Grant Brothers Well Number: 23-4Ae  
 Location: QtrQtr: SWSE Section: 23 Township: 2N Range: 68W Meridian: 6  
 County: WELD Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: SPINDLE Field Number: 77900

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.118560 Longitude: -104.968120  
 GPS Data: GPS Quality Value: 2.3 Type of GPS Quality Value: PDOP Date of Measurement: 09/10/2013  
 GPS Instrument Operator's Name: C.V.M.  
 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: \_\_\_\_\_

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7635	7656	12/19/2019	B PLUG CEMENT TOP	7585
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+1/4	8+5/8	24	841	550	841	0	VISU
1ST	7+7/8	4+1/2	11.6	7,775	539	7,775	3,182	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7585 with 35 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 30 sks cmt from 3602 ft. to 3205 ft. Plug Type: CASING Plug Tagged:   
Set 150 sks cmt from 2608 ft. to 1896 ft. Plug Type: STUB PLUG 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 353 sacks half in. half out surface casing from 1050 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: 2500 ft. 4+1/2 inch casing Cut and Cap Date: 01/21/2020  
\*Wireline Contractor: KLX Energy Services \*Cementing Contractor: Basic Energy Services  
Type of Cement and Additives Used: Class G, Silica Flour, Thixotropic, CC  
Flowline/Pipeline has been abandoned per Rule 1105  Yes  No

Technical Detail/Comments:

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

Signed: \_\_\_\_\_ Print Name: Philip Antonioli  
Title: Production Engineer Date: 2/18/2020 Email: PAntonioli@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: Jacobson, Eric Date: 4/17/2020

#### CONDITIONS OF APPROVAL, IF ANY:

#### COA Type

#### Description

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402315859	FORM 6 SUBSEQUENT SUBMITTED
402315881	WIRELINER JOB SUMMARY
402315885	CEMENT JOB SUMMARY
402315886	WELLBORE DIAGRAM
402315888	OPERATIONS SUMMARY

Total Attach: 5 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
		Stamp Upon Approval

Total: 0 comment(s)