

Document Number:  
401576776

Date Received:  
03/16/2018

**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: 10330 Contact Name: Jim Chisholm

Name of Operator: INVESTMENT EQUIPMENT LLC Phone: (405) 642-9437

Address: 412 W PLATTE AVE Fax: (970) 867-9007

City: FT MORGAN State: CO Zip: 80701 Email: investmentequipment@gmail.com

**For "Intent" 24 hour notice required,** Name: Welsh, Brian Tel: (719) 325-6919

**COGCC contact:** Email: brian.welsh@state.co.us

API Number 05-009-06573-00 Well Number: 1-20

Well Name: HARPER

Location: QtrQtr: CSW Section: 20 Township: 33S Range: 43W Meridian: 6

County: BACA Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: SPELUNKER Field Number: 77855

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 37.153060 Longitude: -102.290418

GPS Data:  
Date of Measurement: 02/05/2009 PDOP Reading: 6.0 GPS Instrument Operator's Name: JOSEPH DUGAN

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
RED CAVE	1597	1630			

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	28	860	275	860	0	
1ST	7+7/8	4+1/2	10.5	2,732	500	2,732	150	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 1540 with 2 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 20 sks cmt from 910 ft. to 810 ft. Plug Type: CASING 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 \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged:

Set 20 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:

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

Signed: \_\_\_\_\_ Print Name: Jim Chisholm

Title: Managing Member Date: 3/16/2018 Email: investmentequipment@gmail.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: 4/25/2018

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 10/24/2018

<b>COA Type</b>	<b>Description</b>
	Bradenhead: 1) If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a Bradenhead test shall be performed. The Form 17 shall be submitted within 10 days of the test. 2) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required. 3) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling. 4) If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).
	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Shoe plug 910-810': Tag plug 50' above surface casing shoe. 3) Surface plug: Cement from 50' to surface in casing and annulus. 4) Properly abandon flowlines per Rule 1103. File Form 42 when done.

### **Attachment Check List**

<b>Att Doc Num</b>	<b>Name</b>
401576776	FORM 6 INTENT SUBMITTED
401576781	WELLBORE DIAGRAM

Total Attach: 2 Files

### **General Comments**

<b>User Group</b>	<b>Comment</b>	<b>Comment Date</b>
Engineer	Plugging Procedure: Shoe Plug: Erased the "20 sacks half in. half out surface casing from 250 ft. to 0 ft". Added 20 sk cement plug at 910-810' across surface casing shoe. CBL shows cement up to the top of log at 794'. Log header says estimated cement top is 150'. Surface plug: The surface plug only needs to go from 50' to surface, not 250' to surface.	04/25/2018
Public Room	Pass	03/16/2018

Total: 2 comment(s)