

Document Number:  
400799389

Date Received:  
02/11/2016

**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: 24320 Contact Name: Dave Peterson

Name of Operator: DIAMOND OPERATING, INC. Phone: (303) 494.4420

Address: 6666 GUNPARK DR STE #200 Fax: (303) 494.3931

City: BOULDER State: CO Zip: 80301 Email: davep@flatironenergy.com

**For "Intent" 24 hour notice required,** Name: \_\_\_\_\_ Tel: \_\_\_\_\_

**COGCC contact:** Email: \_\_\_\_\_

API Number 05-121-05234-00

Well Name: WHITAKER Well Number: 2

Location: QtrQtr: SWNE Section: 2 Township: 4S Range: 53W Meridian: 6

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

Field Name: BLADE Field Number: 6900

Notice of Intent to Abandon  Subsequent Report of Abandonment

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

Latitude: 39.734749 Longitude: -103.280943

GPS Data:  
Date of Measurement: 09/07/2010 PDOP Reading: 1.9 GPS Instrument Operator's Name: Duane Russell

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
J SAND	4500	4504	10/29/2014	CEMENT	4450

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	102	90	102	0	
1ST	7+7/8	5+1/2	14	4,575	150	4,575	3,350	CALC

## 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 <u>20</u> sks cmt from <u>4230</u> ft. to <u>4450</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>40</u> sks cmt from <u>1025</u> ft. to <u>1125</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>120</u> sks cmt from <u>0</u> ft. to <u>369</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 \_\_\_\_\_ 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: 1077 ft. of 5+1/2 inch casing Plugging Date: 10/29/2014  
 \*Wireline Contractor: Not applicable \*Cementing Contractor: Excell Services LLC  
 Type of Cement and Additives Used: #94 Portland  
 Flowline/Pipeline has been abandoned per Rule 1103  Yes  No \*ATTACH JOB SUMMARY

Technical Detail/Comments:  
 Final P&A configuration differed from proposed configuration due to an inability to pull casing to a depth just above the top of cement. P&A planned was approved in the field by Susan Sherman, COGCC inspector.

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

Signed: \_\_\_\_\_ Print Name: Dave Peterson  
 Title: President Date: 2/11/2016 Email: davep@flatironenergy.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: 3/17/2016

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

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400799389	FORM 6 SUBSEQUENT SUBMITTED
400799421	WELLBORE DIAGRAM
400799423	CEMENT JOB SUMMARY
400799424	OPERATIONS SUMMARY
401010791	OPERATIONS SUMMARY

Total Attach: 5 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Operator D.Petersen provided information that they pumped 120 sx from 369' to surface rather than pump 2 separate plugs. He attached an email from S.Gibson stating this. He could not explain why the Excel report said 45 sx. The cement tickets add up to 180 sx (Wray 40sx, Wray 10 sx, Chamberlain 130 sx). But the Chamberlain one is for the last day on the job when they only say they topped out with 6 sx.	3/17/2016 10:01:55 AM
Engineer	Plug at 369' was 45 sx 10/29/14 + 6 sx 10/30/14 top off according to Excell Services operations summary. Request operator confirmation.	3/16/2016 12:37:20 PM
Permit	Zones tab has been completed by operator.	2/11/2016 10:02:18 AM
Permit	Zones tab is blank. Contacted operator. Returned to draft.	2/9/2016 8:01:34 AM

Total: 4 comment(s)