

Document Number:  
400885843

Date Received:  
08/18/2015

**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) 4944429

Address: 6666 GUNPARK DR STE #200 Fax: (303) 4943931

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

**For "Intent" 24 hour notice required,** Name: Schure, Kym Tel: (970) 520-3832

**COGCC contact:** Email: kym.schure@state.co.us

API Number 05-075-08156-00

Well Name: UPRR - WORK Well Number: 1

Location: QtrQtr: SWSW Section: 23 Township: 12N Range: 53W Meridian: 6

County: LOGAN Federal, Indian or State Lease Number: 33400

Field Name: POW WOW Field Number: 70000

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.994640 Longitude: -103.265220

GPS Data:  
Date of Measurement: 09/03/2010 PDOP Reading: 1.6 GPS Instrument Operator's Name: Duane Russell

Reason for Abandonment:  Dry  Production for 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	5312	5322	08/01/2015		

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+1/2	8+5/8	24	79	30	79	0	VISU
1ST	7+7/8	5+1/2	14	5,385	125	5,385	4,600	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5280 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 40 sks cmt from 2100 ft. to 1880 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 40 sks cmt from 1400 ft. to 1300 ft. Plug Type: OPEN HOLE Plug Tagged:   
 Set 40 sks cmt from 700 ft. to 600 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 60 sacks half in. half out surface casing from 175 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: \_\_\_\_\_ ft. of \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
 \*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:

See attachment for wellbore diagram and proposed procedure.

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: 8/18/2015 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: 9/8/2015

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 3/7/2016

COA Type	Description
	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) If casing cannot be recovered at 2100' for stub plug as proposed, pull casing and set stub plug below 1400' or perf & squeeze 40 sx cement at a depth between 2100' and 1400'. 3) Added plug at 700'. Perf & squeeze if casing is not pulled below this point. 4) Perf & squeeze 60 sx at 175' if casing is not pulled below this point. Tag 50' above shoe or cement to surface. 5) If 175' shoe plug is not cemented to surface, cement from 50' to surface in casing and annulus.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400885843	FORM 6 INTENT SUBMITTED
400885853	WELLBORE DIAGRAM

Total Attach: 2 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Casing History: 1st casing hole size (7-7/8"), #cement sks (125), TOC (4600 calc). Plugging Procedure: Water wells w/in 2 miles as deep as 500' in CO. This requires a plug deeper than the shoe plug proposed at 175'. The induction log indicates 700' for this plug. Aquifer characteristics persist to 1230'. This requires the plug between 2100-1400'.	9/8/2015 4:30:04 PM
Permit	Wellbore Diagram attachment includes current & proposed wellbore diagram and plugging procedure.	8/19/2015 8:22:03 AM
Permit	Perf interval different than the completion report on file. Requested information from the operator.	8/19/2015 8:18:19 AM

Total: 3 comment(s)