

FORM  
6Rev  
12/05State of Colorado  
Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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