

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

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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Date Received:

09/01/2011

Document Number:

2588393

## 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 05-121-09861-00

Well Name: PACHNER

Well Number: 1-31

Location: QtrQtr: NENE Section: 31 Township: 2S Range: 53W Meridian: 6

County: WASHINGTON

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

Field Name: EPIPHANY

Field Number: 22400

☐ Notice of Intent to Abandon☒ Subsequent Report of Abandonment

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

Latitude: 39.839270

Longitude: -103.351960

GPS Data:

Date of Measurement: 09/07/2010

PDOP Reading: 1.7

GPS Instrument Operator's Name: Duane Russell

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ Other \_\_\_\_\_Casing to be pulled: ☒ Yes☐ No

Top of Casing Cement: 3851

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	4793	4800			

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	192	180	192	0	
1ST	7+7/8	5+1/2	15.5	4,902	200	4,902	3,851	

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4710 with 2 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 40 sks cmt from 2970 ft. to 2870 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: ☐

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 142 ft. to 242 ft. Plug Tagged: ☐

Set 14 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: 2970 ft. of 5+1/2 inch casing Plugging Date: 07/16/2011

\*Wireline Contractor: J-W WIRELINE COMPANY \*Cementing Contractor: YETTER WELL SERVICE

Type of Cement and Additives Used: PORTLAND TYPE I/II WITH CACL ADDED

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: DAVID C PETERSON

Title: PRESIDENT Date: 8/25/2011 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: 2/29/2012

### CONDITIONS OF APPROVAL, IF ANY:

### Attachment Check List

Att Doc Num	Name
2588393	FORM 6 SUBSEQUENT SUBMITTED
2588394	WIRELINE JOB SUMMARY
2588395	CEMENT JOB SUMMARY

Total Attach: 3 Files

**General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Engineer	Operator (DAVEP@FLATIRONENERGY.COM) replied 11/18/11 confirming 40 sx @ 2970'-2870' and 14 sx @ surface. Also provided well diagram.	11/22/2011 1:11:30 PM
Engineer	Contacted operator for stub plug depths DAVEP@FLATIRONENERGY.COM. Entered guess of 2970-2870. 40 sx. Also surface plug is 14 sx on job ticket.	11/15/2011 2:58:59 PM

Total: 2 comment(s)