

FORM
6Rev
12/05

State 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:

2431214

Date Received:

09/29/2014

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: Sherman, Susan

Tel: (719) 775-1111

COGCC contact:

Email: susan.sherman@state.co.us

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 for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 3350

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks:

☒ Yes☐ No

If yes, explain details below

Details: SUSPECTED CASING LEAK AT RUGHLY 2200'

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J SAND	4500	4504	06/24/1962		

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 4440 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 4390 ft. to 4440 ft. Plug Type: CASING Plug Tagged: ☐
Set 40 sks cmt from 3250 ft. to 3350 ft. Plug Type: STUB PLUG Plug Tagged: ☐
Set 40 sks cmt from 350 ft. to 250 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 50 ft. to 150 ft. Plug Tagged: ☐

Set 15 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:

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: 10/8/2013 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: 10/10/2014

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 4/9/2015

COA Type

Description

	Note changes to form submitted. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) For plug over J-Sand perms proposed at 4440': Set 20 sx at 4440'-4390' in casing and tag plug at least 50' above perms after WOC 4 hrs. or set CIBP at 4440' w/ at least 2 sx cement on top. 3) Note additional 40 sx plug at 350'. 4) For plug at 150'-50' across base of surface casing: Tag plug 50' above surface casing shoe. 5) Cement from 50' to surface in production casing and surface/production annulus.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2431214	FORM 6 INTENT SUBMITTED
2431215	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1. Changed proposed 10 sx at 4440-4430 to CIBP @ 4440' w/ 2 sx cement on top minimum or 20 sx at 4440'-4390' in casing and tag plug at least 50' above perfs after WOC 4 hrs. All cement plugs must be at least 50' in length. Stub plug was proposed only 20' long (3330'-3350'). 2. Added plug at 350' for aquifer protection due WW depths and SP/Res log on file. 3. Fixed 5-1/2" casing cement bottom = 150' to 4575' = same as casing depth.	10/10/2014 1:10:20 PM

Total: 1 comment(s)