

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:

400444263

Date Received:

07/08/2013

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: 16700

Contact Name: DIANE PETERSON

Name of Operator: CHEVRON PRODUCTION COMPANY

Phone: (970) 675-3842

Address: 100 CHEVRON RD

Fax: (970) 675-3800

City: RANGELY State: CO Zip: 81648

Email: DLPE@CHEVRON.COM

For "Intent" 24 hour notice required,

Name: BROWNING, CHUCK

Tel: (970) 433-4139

COGCC contact:

Email: chuck.browning@state.co.us

API Number 05-103-05579-00

Well Name: FV LARSON

Well Number: B-13X

Location: QtrQtr: NWNW Section: 36 Township: 2N Range: 102W Meridian: 6

County: RIO BLANCO

Federal, Indian or State Lease Number: 47443

Field Name: RANGELY

Field Number: 72370

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.106690

Longitude: -108.800740

GPS Data:

Date of Measurement: 01/08/2007

PDOP Reading: 2.4

GPS Instrument Operator's Name: John Floyd

Reason for Abandonment: ☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing 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: Refer to attached daily workover reports (COGCC Document No. 2055832). Multiple casing leaks found with packer on 3/14/2012 from 5063' to 974'. Multiple casing leaks confirmed with caliper log on 3/15/2012.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
WEBER	5946	6460			

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
CONDUCTOR		13+3/8	54.5	35				
SURF	10+3/4	9+5/8	36	713	235	713	0	VISU
1ST	6+3/4	5+1/2	14-15.5	6,416	350	6,416	3,775	CBL
S.C. 1.1				925	350	947	0	VISU

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5896 with 9 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 <u>103</u> sks cmt from <u>5896</u> ft. to <u>6460</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u> sks cmt from <u>3725</u> ft. to <u>3825</u> ft.	Plug Type: <u>CASING</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u> sks cmt from <u>663</u> ft. to <u>763</u> ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>
Set <u>15</u> sks cmt from <u>0</u> ft. to <u>50</u> ft.	Plug Type: <u>ANNULUS</u>	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 763 ft. with 23 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 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: DIANE L PETERSON

Title: REGULATORY SPECIALIST Date: 7/8/2013 Email: DLPE@CHEVRON.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: ANDREWS, DAVID Date: 8/22/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 2/21/2014

COA Type

Description

	Submit copy of December 1963 cement bond log with forthcoming Form 6 (Subsequent Report of Abandonment) within 30 days of the plugging and abandonment.
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Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2055832	OPERATIONS SUMMARY
400444263	FORM 6 INTENT SUBMITTED
400444278	WELLBORE DIAGRAM
400444287	PROPOSED PLUGGING PROCEDURE

Total Attach: 4 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	The "RBP" shown on the attached current wellbore diagram appears to be a 5-1/2" Lok-set packer with valve, rather than a RBP, according to Chevron's daily workover reports (see 3/10/2012 report, attached file, Document No. 2055832). Step #6 of the attached procedure may require modification to release the packer at 5481', rather than retrieve the RBP. Planned perforation below surface casing shoe (Step #15 of procedure) and 23 sack cement squeeze into the perfs (Step #16 of procedure) may not be possible because of existing remedial cement from 947' to surface, pumped on 2/19/1999. The remaining work in Step #16, which includes spotting minimum 100' balanced plug across surface casing shoe from 763' to 663' is still required. Likewise, cement in annulus at surface (Step #18 of procedure) may not be possible because of existing remedial cement in the annulus to surface.	8/22/2013 10:57:33 AM
Engineer	Added casing leak information from Chevron's daily workover reports (attached as COGCC Document No. 2055832). Changed Weber production top perforation from 5,925' to actual top perforation at 5,946' to reflect COGCC's well file information (Well Completion or Recompletion Report and Log #623852) and Chevron's attached wellbore diagrams. Added conductor to Casing History tab, per details on wellbore diagram. Added remedial cement squeeze to Casing History tab, per Sundry Notice Report of Work Done, COGCC Document No. 623874. The Sundry Notice indicates that a casing squeeze was performed on 2/19/1999 to isolate casing leaks from 925' to 947', "pumped 350 sacks Class 'G' (2% CaCl ₂ 15.8 ppg) cement through holes to surface via 5 1/2" x 9 5/8" annulus. Drilled out cement 160'-983'. Tested casing to 750 psi. Tested OK." Modified plugging procedure tab to match cement volumes shown on attached plugging procedure.	8/22/2013 10:29:48 AM

Total: 2 comment(s)