

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



DE ET OE ES

Document Number:

400322144

Date Received:

09/04/2012

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: 66561

Contact Name: Janna Burton

Name of Operator: OXY USA INC

Phone: (620) 629-4206

Address: PO BOX 27757

Fax: (620) 624-7014

City: HOUSTON State: TX Zip: 77227

Email: janna_burton@oxy.com

For "Intent" 24 hour notice required,

Name: QUINT, CRAIG

Tel: (719) 767-8939

COGCC contact:

Email: craig.quint@state.co.us

API Number 05-011-06100-00

Well Name: ROWE A

Well Number: 1

Location: QtrQtr: NENE Section: 25 Township: 21S Range: 48W Meridian: 6

County: BENT

Federal, Indian or State Lease Number:

Field Name: MCCLAVE

Field Number: 53600

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 38.198660

Longitude: -102.745196

GPS Data:

Date of Measurement: 03/27/2010

PDOP Reading: 5.0

GPS Instrument Operator's Name: PAT MCDOWELL

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: 2 3/8" tbg & 4 1/2" csg have suspected holes at unknown depths. Also, tbg could be collapsed at 3730'.
Tbg and pkr info: 153 jts 2 3/8" tbg @ 4629' w/ SN @ 4622' & Pengo GS III packer @ 4629'.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
MORROW	4684	4690			

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	344	300	344	0	VISU
S.C. 1.1	7+7/8	4+1/2	10.5	4,885	175	4,885	3,944	CBL
S.C. 1.2	7+7/8	4+1/2	10.5	1,935	150	1,935	1,000	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3650 with 2 sacks cmt on top. CIBP #2: Depth 950 with 2 sacks cmt on top.
CIBP #3: Depth 750 with 2 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 _____ 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: ☐
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 3600 ft. with 40 sacks. Leave at least 100 ft. in casing 3500 CICR Depth

Perforate and squeeze at 900 ft. with 40 sacks. Leave at least 100 ft. in casing 800 CICR Depth

Perforate and squeeze at 700 ft. with 40 sacks. Leave at least 100 ft. in casing 600 CICR Depth

(Cast Iron Cement Retainer Depth)

Set 120 sacks half in. half out surface casing from 400 ft. to 0 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:

The following is planned:
-jet cut the 2 3/8" tbg @ +/- 3700' and reclaim tbg
-set CIBP @ +/- 3650' w/ 2 sx cmt on top
-set CIBP @ +/- 650' w/ 2 sx cmt on top
-perf 4 holes @ 600'
-hook on to wellhead and circ cmt to surface down 4 1/2" csg and up 4 1/2" X 8 5/8" annulus

See changes in COA's.

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Janna Burton

Title: Regulatory Assistant Date: 9/4/2012 Email: janna_burton@oxy.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: 1/30/2013

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 7/29/2013

Provide 24 hour notice of MIRU to Craig Quint at 719-767-8939 or e-mail at craig.quint@state.co.us.

Plugging procedures:

- 1) Set CIBP at 3650' and dump bail 2 sx cement on top. Perforate and squeeze 40 sx cement at 3600' with CICR at 3500'.
- 2) Set CIBP at 950' and dump bail 2 sx cement on top. Perforate and squeeze 40 sx cement at 900' with CICR at 800'.
- 3) Set CIBP at 750' and dump bail 2 sx cement on top. Perforate and squeeze 40 sx cement at 700' with CICR at 600'.
- 4) Perforate and squeeze 40 sx cement at 400'. Hook on to wellhead and circulate cement to surface down 4 1/2" csg and up 4 1/2" X 8 5/8" annulus
- 5) Top up casing and annulus with cement from 50' to surface if not already there.

Attachment Check List

Att Doc Num	Name
400322144	FORM 6 INTENT SUBMITTED
400323487	WELLBORE DIAGRAM
400323491	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Explanation of changes: To CIBP w/ 2 sx proposed at 3650', added perforate and squeeze 40 sx at same depth due to no existing cement behind casing at this depth yet. Replaced single plug proposed at 600' with 3 plugs at 900', 700', and 400' for the Cheyenne/Dakota (850'-720' / 620'-480') and 50' below surface casing shoe. Added CIBP's 50' below perf depths and CICR 100' above due to suspected holes in casing at unknown depths. Some of the shallower plugs may be combined as appropriate with prior COGCC consultation.	10/18/2012 10:15:26 AM
Engineer	She returned my call 10/11/12. I missed her email 10/11/12 with the requested information. For CBL confirming TOC 3944' and 150 sx stage cement and stage tool at 1935' w/ est. TOC 1000'. She states: "We have a hand written chronological report dated 08/07/1980 that states the following – "Rig up McCullough ran G.R.-C.B.L. Logged from 4819 to 3800' Loggers T.D. 4823 Top of Cement @ 3944'." and "cement ticket from Halliburton dated 08/06/80. It shows they cemented intermediate with 150 sxs. "	10/18/2012 10:00:47 AM
Engineer	Called Janna and left a voice mail requesting the same info as in my 10/10/12 email to her.	10/17/2012 4:38:28 PM
Engineer	Requested CBL for TOC indicated on wellbore diagram at 3944' and job report for 150 sx cement via sleeve indicated on wellbore diagram at 1935 '.	10/10/2012 3:10:52 PM

Total: 4 comment(s)