

**FORM**  
**6**  
Rev  
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:

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: <u>66561</u>	Contact Name: <u>Janna Burton</u>
Name of Operator: <u>OXY USA INC</u>	Phone: <u>(620) 629-4206</u>
Address: <u>PO BOX 27757</u>	Fax: <u>(620) 624-7014</u>
City: <u>HOUSTON</u> State: <u>TX</u> Zip: <u>77227</u>	Email: <u>janna_burton@oxy.com</u>
<b>For "Intent" 24 hour notice required,</b> Name: <u>QUINT, CRAIG</u> Tel: <u>(719) 767-8939</u>	
<b>COGCC contact:</b> Email: <u>craig.quint@state.co.us</u>	

API Number <u>05-011-06100-00</u>	Well Number: <u>1</u>
Well Name: <u>ROWE A</u>	
Location: QtrQtr: <u>NENE</u> Section: <u>25</u> Township: <u>21S</u> Range: <u>48W</u> Meridian: <u>6</u>	
County: <u>BENT</u> Federal, Indian or State Lease Number: _____	
Field Name: <u>MCCLAVE</u> Field Number: <u>53600</u>	

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  
 Other \_\_\_\_\_

Casing 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)