

FORM  
6Rev  
12/05State 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:

400511684

Date Received:

11/14/2013

## 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: 10110

Contact Name: Ty Watson

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (303) 398-0302

Address: 1801 BROADWAY #500

Fax: (866) 742-1784

City: DENVER State: CO Zip: 80202

Email: twatson@gwogco.com

For "Intent" 24 hour notice required,

Name: JOHNSON, RANDELL

Tel: (303) 815-9641

COGCC contact:

Email: randell.johnson@state.co.us

API Number 05-001-06862-00

Well Name: GREAT WESTERN FRONT

Well Number: 2

Location: QtrQtr: NENE Section: 18 Township: 1S Range: 67W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: SPINDLE

Field Number: 77900

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 39.970062

Longitude: -104.924872

GPS Data:

Date of Measurement: 01/20/2010

PDOP Reading: 2.3

GPS Instrument Operator's Name: Robert Girillego

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 belowWellbore 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
CODELL	8053	8063			
NIOBRARA	7651	7670			

Total: 2 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	20	231	200	231	0	VISU
1ST	7+7/8	4+1/2	11.6	8,150	150	8,150	7,655	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth \_\_\_\_\_ with \_\_\_\_\_ 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 \_\_\_\_\_ 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 7625 ft. with 120 sacks. Leave at least 100 ft. in casing 7600 CICR Depth

Perforate and squeeze at 5550 ft. with 210 sacks. Leave at least 100 ft. in casing 5500 CICR Depth

Perforate and squeeze at 1155 ft. with 600 sacks. Leave at least 100 ft. in casing 1100 CICR Depth

(Cast Iron Cement Retainer Depth)

Set \_\_\_\_\_ sacks half in. half out surface casing from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Tagged: ☐

Set 10 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:

This well has been shut in since December 2010, with a suspected fish in the hole. Marginal production history does not support a workover, and thus the well is recommended for P&A. Cement and plug proposal is designed to isolate across and above the Niobrara, across and above the Sussex, and across and below the Fox Hills and Lower Arapahoe.

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

Signed: \_\_\_\_\_ Print Name: Ty Watson

Title: Senior VP, Operations Date: 11/14/2013 Email: twatson@gwogco.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: BURN, DIANA Date: 2/4/2014

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_ Expiration Date: 8/3/2014

### COA Type

### Description

1) Provide 48 hour notice of plugging MIRU via electronic Form 42.  
2) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400511684	FORM 6 INTENT SUBMITTED
400512681	WELLBORE DIAGRAM
400512682	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	LOCATION: NE1/4 OF NE1/4 OF SEC. 18, T.1s., R.67W. (600 NSL, 720 ESL)  Ground Elevation: 5232 Number of Acres: 160  ELEVATION DEPTH TO ANNUAL ----- NET ----- APPROP STATUS AQUIFER BOT. TOP SAND BOT. TOP A-F ----- UPPER DAWSON ----- LOWER DAWSON ----- DENVER ----- UPPER ARAPAHOE ----- LOWER ARAPAHOE 4786 5039 109.1 446 193 29.67 NNT LARAMIE-FOX HILLS 4128 4406 191.7 1104 826 46.02 NT  note: E indicates location is at aquifer boundary and values may be more approximate.	2/4/2014 8:00:32 AM
Permit	Form 1A approved. Added separate formation intervals for CD and NB. Old style comp. rept. #321156 sub. 10/75 in well file meets form 5/5A requirements.	2/3/2014 7:54:48 AM
Permit	Req'd form 1A from Ty.	11/15/2013 7:43:49 AM

Total: 3 comment(s)