

FORM  
6Rev  
05/18

## 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:

402071032

Date Received:

06/12/2019

## 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: Renee Kendrick

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (720) 595-2114

Address: 1001 17TH STREET #2000

Fax:

City: DENVER State: CO Zip: 80202

Email: rkendrick@gwogco.com

For "Intent" 24 hour notice required,

Name: Silver, Randy

Tel: (720) 827-6688

COGCC contact:

Email: randy.silver@state.co.us

API Number 05-001-06980-00

Well Name: HAAKE FRMS INC GU

Well Number: 1

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

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

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

Latitude: 39.990586

Longitude: -104.842700

GPS Data:

Date of Measurement: 06/04/2009

PDOP Reading: 1.8

GPS Instrument Operator's Name: CODY MATTSON

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ Other

Casing to be pulled:

☒ Yes☐ No

Estimated Depth: 570

Fish in Hole:

☐ Yes☒ No

If yes, explain details below

Wellbore 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	7660	7678			
J SAND	8110	8140			
NIOBRARA	7236	7520			

Total: 3 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		237	225	237	0	CALC
1ST	7+7/8	4+1/2		8,253	400	8,253	7,478	CBL
S.C. 1.1				5,140	350	5,238	4,794	CBL
S.C. 1.2				4,480	250	4,494	4,314	CBL
S.C. 1.3				7,480	250	7,490	6,960	CBL
			Stage Tool	990	200	990	610	CBL

### Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8060 with 2 sacks cmt on top. CIBP #2: Depth 7180 with 25 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 10 sks cmt from 5200 ft. to 5068 ft. Plug Type: CASING Plug Tagged: ☐  
Set 10 sks cmt from 4550 ft. to 4418 ft. Plug Type: CASING Plug Tagged: ☐  
Set 10 sks cmt from 1050 ft. to 918 ft. Plug Type: CASING 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 190 sacks half in. half out surface casing from 620 ft. to 0 ft. Plug Tagged: ☐

Set \_\_\_\_\_ 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. \_\_\_\_\_ inch casing Plugging Date: \_\_\_\_\_  
of \_\_\_\_\_

\*Wireline Contractor: \_\_\_\_\_ \*Cementing Contractor: \_\_\_\_\_

Type of Cement and Additives Used: \_\_\_\_\_

Flowline/Pipeline has been abandoned per Rule 1105 ☐ Yes ☐ No \*ATTACH JOB SUMMARY

Technical Detail/Comments:

TOC for stage tool does not match the scout card. GWOG Production Engineer believes that the TOC for the stage tool on the attached WBD is more accurate. CBL is in COGCC file (doc # 401503576)

The RBP plug set at 7123' has been removed. The previously reported plug at 7720' (doc # 2512023 ) will need to be verified. If present, the plug at 7720' will be pulled.

Procedure:

- 1 Contact COGCC 24 hr before MIRU
- 2 MIRU
- 3 Blow down and kill well
- 4 NDWH/NUBOP
- 5 POOH w/ tbq
- 6 RIH, set CIBP @ 8060'
- 7 Dump bail 2 sx cmt on top of plug
- 8 RIH, set CIBP @ 7180'
- 9 Pump 25 sx Class G on plug
- 10 Roll hole clean and pressure test csg to 300psi
- 11 Release flowback separator and flare stack if no longer needed
- 12 PU to 5200', pump 10 sx Class G cmt
- 13 PU to 4550', pump 10 sx Class G cmt
- 14 PU to 1050', pump 10 sx Class G cmt
- 15 Verify all fluid migration has been stopped
- 16 Cut & pull casing @ 570'
- 17 Pump 190 sx Class G from 620' to surface
- 18 WOC 4 hours
- 19 RIH tag, top off w/ cement as needed, if deeper than 187' contact engineer
- 20 RDMO
- 21 Cut & cap casing 4' - 6' below GL w/ plate (Well Name, API, Legal Location)
- 22 Record cut & cap date in OpenWells

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

Signed: \_\_\_\_\_ Print Name: Renee Kendrick  
Title: Senior Regulatory Analyst Date: 6/12/2019 Email: rkendrick@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: 7/11/2019

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 1/10/2020

<b>COA Type</b>	<b>Description</b>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) For 620' plug: pump plug and displace. If 620' plug not circulated to surface, or does not remain at surface, then tag plug – must be 260' or shallower and provide plug at the surface.</p> <p>3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment complete. Within 30 days of an operator completing abandonment requirements for an off-location flowline or crude oil transfer line the operator must submit a Flowline Report, Form 44.</p>
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	<p>If there has not been a reported Bradenhead test within 60 days of plugging this well, prior to starting plugging operations a bradenhead test shall be performed. If the well was not sampled as part of a prior test it should be sampled if pressure is 25# or greater. If there is a need for sampling - contact COGCC engineering for verification of plugging procedures (Pressure greater than 25# or any liquids flowed to surface).</p> <p>1) If, before opening the bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>
	<p>•Form 7 reporting indicates the J Sand formation has been TA'ed since 7/2010, when according to doc# 2512023 a bridge plug was set at 7220'. GWOC shall correct the Form 7 reporting for the J Sand formation from 11/2016 to current, if the plug is determined to have been removed.</p>

### **Attachment Check List**

<b><u>Att Doc Num</u></b>	<b><u>Name</u></b>
402071032	FORM 6 INTENT SUBMITTED
402072770	WELLBORE DIAGRAM
402072771	WELLBORE DIAGRAM

Total Attach: 3 Files

### **General Comments**

<b><u>User Group</u></b>	<b><u>Comment</u></b>	<b><u>Comment Date</u></b>
Agency	Lower Arapahoe 4648 4880 92.1 312 80 25.05 NNT Laramie-Fox Hills 4006 4302 177.8 954 658 42.67 NT	07/10/2019
Well File Verification	Pass	06/21/2019
Permit	•Permitting review complete - task passed.	06/14/2019

Total: 3 comment(s)