

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



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Document Number:

402080306

Date Received:

06/19/2019

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 05-001-07140-00

Well Name: NORBERT SAMFORD

Well Number: 1

Location: QtrQtr: SWNE 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: 39.995739

Longitude: -104.835103

GPS Data:

Date of Measurement: 06/04/2009

PDOP Reading: 2.1

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment:

☐ Dry☒ Production 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:

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
CODELL	7640	7654			
J SAND	8078	8123			

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	24	242	200	242	0	CALC
1ST	7+7/8	4+1/2	11.6	8,232	200	8,232	7,510	CBL
			Stage Tool	952	200	952	0	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8020 with 2 sacks cmt on top. CIPB #2: Depth 7590 with 2 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 10 sks cmt from 7100 ft. to 6970 ft. Plug Type: CASING Plug Tagged: ☐
Set 10 sks cmt from 4700 ft. to 4570 ft. Plug Type: CASING Plug Tagged: ☐
Set 90 sks cmt from 1050 ft. to 0 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 7260 ft. with 70 sacks. Leave at least 100 ft. in casing 7100 CICR Depth

Perforate and squeeze at 4800 ft. with 50 sacks. Leave at least 100 ft. in casing 4700 CICR Depth

Perforate and squeeze at 1150 ft. with 40 sacks. Leave at least 100 ft. in casing 1050 CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ 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:

Procedure:

1 Contact COGCC 24 hr before MIRU
2 MIRU
3 Blow down and kill well
4 NDWH/NUBOP
5 POOH w/ tbg and plunger(s)
6 RIH, set CIBP @ 8020'
7 Dump bail 2 sx cmt on top of plug
8 RIH, set CIBP @ 7590'
9 Dump bail 2 sx cmt on top of plug
10 Roll hole clean and pressure test csg to 300psi
11 Run CBL, send results to engineer
12 RIH w/ WL and Perforate @ 7260' and 7000'
13 RIH and set CICR @ 7100'
14 Squeeze 80 sx thru CICR, leave additional 10 sx on top Class G
15 Roll hole clean
16 Release flowback separator and flare stack if no longer needed
17 RIH w/ WL and Perforate @ 4800' and 4600'
18 RIH and set CICR @ 4700'
19 Squeeze 50 sx thru CICR, leave additional 10 sx on top Class G
20 Roll hole clean
21 RIH w/ WL and Perforate @ 1150' and 1000'
22 RIH and set CICR @ 1050'
23 Squeeze 40 sx thru CICR, Class G
24 Pump 90 sx from 1050' to surface, Class G
25 WOC 4 hours
26 RIH tag, top off w/ cement as needed, if deeper than 150' contact engineer
27 RDMO
28 Cut & cap casing 4' - 6' below GL w/ plate (Well Name, API, Legal Location)

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: 6/19/2019 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: 7/12/2019

CONDITIONS OF APPROVAL, IF ANY: _____

Expiration Date: 1/11/2020

COA Type	Description
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) If after running CBL, changes need to be made to approved plugging procedure - contact COGCC.</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>
	<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>
	Operator shall implement measures to control venting, to protect health and safety, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.

Attachment Check List

Att Doc Num	Name
402080306	FORM 6 INTENT SUBMITTED
402080492	WELLBORE DIAGRAM
402080493	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Lower Arapahoe 4625 4854 91.3 328 99 24.83 NNT Laramie-Fox Hills 3998 4288 175.8 955 665 42.19 NT DIL 980'	07/12/2019
Permit	Verified as-built GPS. Verified producing interval 8078-8211' J Sand (Form 5 #327137, 1/17/1977). Verified recompletion interval 7640-7654' CODL (Doc# 327141, 8/29/1995; doc#327130, 10/16/1996). Verified production records. Permitting review complete.	07/11/2019
Well File Verification	Pass	06/25/2019

Total: 3 comment(s)