

Document Number:  
 402309771  
 Date Received:  
 02/11/2020

**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: Santistevan, Brittani Tel: (720) 471-1110  
**COGCC contact:** Email: brittani.santistevan@state.co.us

API Number 05-123-24122-00 Well Number: 27-51  
 Well Name: GREAT WESTERN  
 Location: QtrQtr: SENE Section: 27 Township: 6N Range: 67W Meridian: 6  
 County: WELD 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: 40.461420 Longitude: -104.874750  
 GPS Data:  
 Date of Measurement: 02/21/2007 PDOP Reading: 1.9 GPS Instrument Operator's Name: L. ROBBINS  
 Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_  
 Casing to be pulled:  Yes  No Estimated Depth: 2500  
 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	7116	7136	01/09/2017	BRIDGE PLUG	6727
NIOBRARA	6804	7040	01/09/2017	BRIDGE PLUG	6727

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	411	330	411	0	VISU
1ST	7+7/8	4+1/2	11.6	7,263	185	7,263	6,150	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 25 sks cmt from 6727 ft. to 6327 ft. Plug Type: CASING Plug Tagged:   
Set 5 sks cmt from 3650 ft. to 3582 ft. Plug Type: CASING Plug Tagged:   
Set 100 sks cmt from 2550 ft. to 2100 ft. Plug Type: STUB PLUG 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 4000 ft. with 140 sacks. Leave at least 100 ft. in casing 3650 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 400 sacks half in. half out surface casing from 1300 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 Cut and Cap 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 inspector and GWP production foreman 24 hrs prior
- 2 MIRU
- 3 Blow down thru flowback and kill well
- 4 NDWH/NUBOP
- 5 Roll hole clean and pressure test csg to 500psi
- 6 Pump 25 sx Thermal 35 on top of plug at 6727 ft, POOH
- 7 Perf at 4000 ft and 3600 ft
- 8 Set CICR at 3650 ft
- 9 Pump 145sx Class G w/ 2% CCL and 5% Gyp thru CICR, Leave 5sx on CICR
- 10 Cut & pull casing @ 2500'
- 11 If all gas migration gone, Pump stub plug from 2550' w/ 100 sx Thix G
- 12 Tag plug & verify absolutely no migration
- 13 Pump surface plug from 1300' to surface w/ 400 sx Class G w/ 2% CaCl2
- 14 WOC 4 hours
- 15 RIH tag, top off w/ cement as needed
- 16 RDMO
- 17 Call Dusty Smith (970-573-2276) for 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: 2/11/2020 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: JENKINS, STEVE

Date: 2/21/2020

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_

Expiration Date: 8/20/2020

<u>COA Type</u>	<u>Description</u>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1300' plug: verify that all fluid migration (liquid or gas) has been eliminated. If evidence of fluid migration or pressure remains, contact COGCC Engineer for an update to plugging orders.</p> <p>3) After isolation has been verified, pump plug and displace. If cement is not circulated to surface, shut-in, WOC 4 hours then tag plug – must be at 361' or shallower and provide 10 sx plug at the surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon flowlines per Rule 1105. File electronic Form 42 once abandonment of on-location flowlines is 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>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</p> <p>7) After placing the shallowest hydrocarbon isolating plug (2550'), operator must wait a sufficient time to confirm static conditions. If at any time after placing this plug there is evidence of pressure or of fluid migration, contact COGCC engineering before continuing operations.</p> <p>8) Add other COAs as needed</p>
	<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.</p>
	<p>Prior to starting plugging operations a bradenhead test shall be performed if there has not been a reported bradenhead test within the 60 days immediately preceding the start of plugging operations.</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>The Form 17 shall be submitted within 10 days of the test. Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions. If samples are collected, copies of all final laboratory analytical results shall be provided to the COGCC within three (3) months of collecting the samples.</p>

### Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
402309771	FORM 6 INTENT SUBMITTED
402309777	WELLBORE DIAGRAM
402309778	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	1) Deepest Water Well within 1 mile = 123'. 2) Fox Hills Bottom- N/A, per SB5.	02/21/2020
Permit	•Permitting review complete and task passed.	02/20/2020

Total: 2 comment(s)