

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:

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:	
<input type="checkbox"/> Dry	<input checked="" type="checkbox"/> Production Sub-economic
<input type="checkbox"/> Mechanical Problems	
<input type="checkbox"/> Other	
Casing to be pulled: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Estimated Depth: 2500
Fish in Hole: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, explain details below
Wellbore has Uncemented Casing leaks: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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:	<input type="checkbox"/>
Set	5	sks cmt from	3650	ft. to	3582	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	100	sks cmt from	2550	ft. to	2100	ft.	Plug Type:	STUB PLUG	Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>
Set		sks cmt from		ft. to		ft.	Plug Type:		Plug Tagged:	<input type="checkbox"/>

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

COA Type	Description
	<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

Att Doc Num	Name
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)