

FORM  
6Rev  
02/20

# 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:

402394421

Date Received:

05/11/2020

## 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: Michael Andrews

Name of Operator: GREAT WESTERN OPERATING COMPANY LLC

Phone: (970) 364-2811

Address: 1001 17TH STREET #2000

Fax:

City: DENVER State: CO Zip: 80202

Email: mandrews@gwp.com

**For "Intent" 24 hour notice required,**

Name: Santistevan, Brittani

Tel: (720) 471-1110

**COGCC contact:**

Email: brittani.santistevan@state.co.us

Type of Well Abandonment Report: ☒ Notice of Intent to Abandon ☐ Subsequent Report of Abandonment

API Number 05-123-35704-00

Well Name: Great Western

Well Number: 25-22-14

Location: QtrQtr: NWSW Section: 25 Township: 6N Range: 67W Meridian: 6

County: WELD

Federal, Indian or State Lease Number:

Field Name: WATTENBERG

Field Number: 90750

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

Latitude: 40.457136 Longitude: -104.847586

GPS Data: GPS Quality Value: 1.4 Type of GPS Quality Value: Date of Measurement: 10/19/2012

GPS Instrument Operator's Name: D. Schwartz

Reason for Abandonment: ☐ Dry ☒ Production Sub-economic ☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes ☐ No Estimated Depth: 2000Fish 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	7126	7141	09/19/2017	B PLUG CEMENT TOP	6745
NIOBRARA	6818	7025	09/19/2017	B PLUG CEMENT TOP	6745

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	733	520	733	0	VISU
1ST	7+7/8	4+1/2	11.6	7,229	610	7,242	2,190	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	30	sks cmt from	6745	ft. to	6345	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	30	sks cmt from	4200	ft. to	3800	ft.	Plug Type:	CASING	Plug Tagged:	<input type="checkbox"/>
Set	120	sks cmt from	2050	ft. to	1600	ft.	Plug Type:	STUB PLUG	Plug Tagged:	<input type="checkbox"/>
Set	150	sks cmt from	1300	ft. to	800	ft.	Plug Type:	OPEN HOLE	Plug Tagged:	<input type="checkbox"/>
Set	_____	sks cmt from	_____	ft. to	_____	ft.	Plug Type:	_____	Plug Tagged:	<input type="checkbox"/>

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 250 sacks half in. half out surface casing from 800 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

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 Release flowback separator and flare stack if no longer needed
- 7 Run gyro
- 8 Pump 30 sx Thermal 35 on top of plug at 6745 ft
- 9 PU to 4200, pump 30 sx G (est top 3800'), POOH
- 10 Cut & pull casing @ 2000'
- 11 Pump stub plug from 2050' w/ 120 sx G AGM 4,2 (est top 1600 ft)
- 12 Next day, Tag plug & verify absolutely no hydrocarbon migration
- 13 Pump plug from 1300' to 800' w/ 150 sx AGM 4,2, SD for night  
(ensure water flow is completely shut off)  
(water flow may be coming from 900 ft and we will need to shut off before shoe)
- 14 Pump surface plug from 800' to surface w/ 250 sx Class G w/ 2% CaCl<sub>2</sub>
- 15 RIH tag, top off w/ cement as needed
- 16 RDMO
- 17 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

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: 6/1/2020

**CONDITIONS OF APPROVAL, IF ANY:**

Expiration Date: 11/30/2020

**COA Type****Description**

	<p>For Wells with known Bradenhead pressures:</p> <ol style="list-style-type: none"><li>1) Provide 48-hour notice of plugging MIRU via electronic Form 42.</li><li>2) The plug at 2050' needs to be placed and have an 8-hour WOC to assure that all fluid migration has been stopped. If that doesn't isolate the flow, additional attempts in front of the surface shoe plug will need to be attempted. Other downhole potential squeeze opportunities may need to be looked at before the 800' plug.</li><li>3) Prior to placing the 800' 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.</li><li>4) 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 683' or shallower and provide 10 sx plug at the surface. Leave at least 100' of cement in the casing for each plug.</li><li>5) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment 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.</li><li>6) With the Form 6 SRA operator must provide written documentation which positively affirms each COA has been addressed.</li><li>7) After placing the shallowest hydrocarbon isolating plug (2050'), 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.</li></ol>
	<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> <ol style="list-style-type: none"><li>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</li><li>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</li></ol> <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**

402394421	FORM 6 INTENT SUBMITTED
402394436	WELLBORE DIAGRAM
402394437	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 = 45'. 2) Fox Hills Bottom- N/A, per SB5.	06/01/2020
Engineer	In accordance with the Notice to Operators (NTO): Timing for COGCC Forms adopted on 05/01/2020, this Form 6 Notice of Intent to Abandon is valid for 12 months from the date of approval expiring on 06/01/2021. This NTO does not alter the deadlines for submission of, or compliance with any other Commission rule or Form.	06/01/2020
Permit	•Permitting review complete and task passed.	05/29/2020

Total: 3 comment(s)