

FORM
6
Rev
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
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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: Kapri McMillan
 Name of Operator: GREAT WESTERN OPERATING COMPANY LLC Phone: (970) 364-2826
 Address: 1001 17TH STREET #2000 Fax: _____
 City: DENVER State: CO Zip: 80202 Email: kmcmillan@gwogco.com

For "Intent" 24 hour notice required, Name: Montoya, John Tel: (970) 397-4124
COGCC contact: Email: john.montoya@state.co.us

API Number 05-123-13474-00 Well Name: KOWITZ Well Number: 27-5
 Location: QtrQtr: SWNW Section: 27 Township: 5N Range: 65W Meridian: 6
 County: WELD Federal, Indian or State Lease Number: 68972
 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: 40.371878 Longitude: -104.656492
 GPS Data:
 Date of Measurement: 12/09/2013 PDOP Reading: 2.6 GPS Instrument Operator's Name: D. Schwartz
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 Casing to be pulled: Yes No Estimated Depth: 1200
 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	7016	7028			
NIOBRARA	6814	6834			
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	14	334	270	334	0	CALC
1ST	7+7/8	4+1/2	15.1	7,165	220	7,165	6,165	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6750 with 25 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 10 sks cmt from 2400 ft. to 2120 ft. Plug Type: ANNULUS Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ 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 2500 ft. with 75 sacks. Leave at least 100 ft. in casing 2400 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 1250 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:

- 1 Contact John Montoya at COGCC 24 hr before MIRU 970-397-4124, john.montoya@state.co.us
- 2 MIRU
- 3 Blow down and kill well
- 4 NDWH/NUBOP
- 5 RIH w/ tbg and set CIBP @ 6750'
- 6 Pump 25 sx Class G cmt on top of plug, POOH (TOC approx 6420')
- 7 Perforate @ 2500' and perform an injection test
- 8 RIH w/ tbg and set CICR @ 2400'
- 9 Squeeze 75 sx thru CICR, leave addtl 10 sx on top (Class G) TOC approx 2120'
- 10 Verify all fluid (gas/liquid) migration has been eliminated
- 11 Cut & pull casing from 1200'
- 12 Pump stub plug from 1250' to surf w/ 400 sx Class G cmt
- 13 WOC 4 hours
- 14 RIH tag, top off w/ cmt as needed, if deeper than 284' contact engineer
- 15 RDMO
- 16 Cut and cap 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: 11/28/2018 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.

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 5/28/2019

COA Type	Description
	<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.</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>3) If sampling is required contact COGCC engineering for an confirmation of plugging requirements prior to placing any plugs.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions.</p> <p>The Form 17 shall be submitted within 10 days of the test.</p>
	<p>1) Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2) Prior to placing the 1,250' 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 284' or shallower and provide 10 sack plug at surface.</p> <p>4) Leave at least 100' of cement in the wellbore for each plug.</p> <p>5) Properly abandon on-location 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.</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>

Attachment Check List

Att Doc Num	Name
401798923	FORM 6 INTENT SUBMITTED
401853579	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Well File Verification	Pass	11/29/2018
Engineer	Deepest Water Well within 1 Mile – 350' SB5 Base of Fox Hills - 206'	11/29/2018
Permit	Pass	11/28/2018

Total: 3 comment(s)