

Document Number:
401994984

Date Received:
04/03/2019

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 05-001-09832-00 Well Number: 18-361HN
 Well Name: Willow Bend
 Location: QtrQtr: NENE Section: 18 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: 39.970958 Longitude: -104.923667
 GPS Data:
 Date of Measurement: 10/23/2014 PDOP Reading: 1.5 GPS Instrument Operator's Name: T. Beasley, G.B., J.W.
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Surface casing set, production never drilled, no plan to return
 Casing 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

Total: 0 zone(s)

Casing History

Casing Type	Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Sacks Cement	Cement Bot	Cement Top	Status
CONDUCTOR	24	16	42	80	121	80	0	VISU
SURF	13+1/2	9+5/8	36	1,303	575	1,303	0	VISU

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 80 sks cmt from 200 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:
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 _____ 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 _____ 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:

The form 5 will be submitted in AOC batch 11, doc # 401857091

Procedure:

- 1 Contact COGCC 24 hr before MIRU
- 2 MIRU
- 3 NDWH, NU 9-5/8"x4.5" cross over w/ Larkin WH
- 4 RIH w/ tbg to 200'
- 5 Pump 80 sx from 200' to surface
- 6 WOC 4 hours
- 7 RIH tag, top off w/ cement as needed
- 8 RDMO
- 9 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: 4/3/2019 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: Jacobson, Eric Date: 5/8/2019

COA Type	Description
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Prior to placing the 200' 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. 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 0' or shallower and provide 10 sack plug at surface. 4) Leave at least 100' of cement in the wellbore for each plug. 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.
	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
401994984	FORM 6 INTENT SUBMITTED
401995335	WELLBORE DIAGRAM
401995338	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Deepest Water Well within 1 Mile – 1145' SB5 Base of Fox Hills - 1101' Lower Arapahoe 4791 5044 108.3 439 186 29.47 NNT Laramie-Fox Hills 4129 4404 192.9 1101 826 46.29 NT	05/08/2019
Permit	<ul style="list-style-type: none"> •Missing Form 5 Prelim (Final). •Per Operator, the form 5 reporting surface casing will be submitted in AOC batch 11, doc # 401857091 •Permitting review complete and task passed. 	04/12/2019
Well File Verification	Pass	04/04/2019

Total: 3 comment(s)