

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:

401765191

Date Received:

10/11/2018

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: Beardslee, Tom

Tel: (970) 420-3935

COGCC contact:

Email: tom.beardslee@state.co.us

API Number 05-001-09453-00

Well Name: EQUINOX

Well Number: 9-9

Location: QtrQtr: NESE Section: 9 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: 39.977639

Longitude: -104.887083

GPS Data:

Date of Measurement: 11/03/2008

PDOP Reading: 2.7

GPS Instrument Operator's Name: Cody Mattson

Reason for Abandonment:

☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing 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	7834	7854			
J SAND	8282	8311			
DAKOTA	8442	8484	07/15/2002	B PLUG CEMENT TOP	8400

Total: 3 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	1,111	795	1,111	0	VISU
1ST	7+7/8	4+1/2	11.6	8,540	235	8,540	7,450	CBL
			Stage Tool	5,322	115	5,343	4,870	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 8230 with 2 sacks cmt on top. CIBP #2: Depth 7780 with 2 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 5300 ft. to 4970 ft. Plug Type: CASING Plug Tagged: ☐
Set 470 sks cmt from 1250 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: ☐

Perforate and squeeze at 7380 ft. with 60 sacks. Leave at least 100 ft. in casing 7280 CICR Depth
Perforate and squeeze at 2500 ft. with 85 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

(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:

Proposed Plugging Procedure:
Set CIBP @ 8230', dump bail 2 sx cmt
Set CIBP @ 7780', dump bail 2 sx cmt
Perf & squeeze @ 7380' with 50 sx through CICR @ 7280, leave 10 sx on top
Pump 25 sx casing plug @ 5300' to approx 4970'
Perf & squeeze @ 2500' with 75 sx through CICR @ 2400', leave 10 sx on top
Cut & pull casing @ 1200', pump stub plug @ 1250' to surface with 470 sx class G cmt
Cut & cap surface casing 4-6' below ground level, label appropriately

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: Kapri McMillan
Title: Operations Engineer Date: 10/11/2018 Email: kmcmillan@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: BURN, DIANA Date: 11/11/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 5/10/2019

<u>COA Type</u>	<u>Description</u>
	Operator shall implement measures to control unnecessary and excessive venting, to protect the health and safety of the public, and to ensure that vapors and odors from well plugging operations do not constitute a nuisance or hazard to public welfare.
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If 1250' plug not circulated to surface then tag plug – must be 260' or shallower and provide 10 sx plug at the surface. 3) Properly abandon flowlines as per Rule 1105. File electronic Form 42 once abandonment 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.

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401765191	FORM 6 INTENT SUBMITTED
401784942	WELLBORE DIAGRAM
401792094	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	Lower Arapahoe 4761 5011 104.2 314 64 28.33 NNT Laramie-Fox Hills 4067 4329 179.4 1008 746 43.05 NT Deepest WW 1068'	11/11/2018
Permit	Verified as-drilled lat/longs. Form 5 (doc# 1338335, 6/11/2002): reported formation tops, MD @ 8562'. Form 5A (doc# 1338336, 6/11/2002): DKTA perf 8442-8484'; PR. Form 5A (doc# 1073209, 9/22/2002): JSND perf 8282-8311'; PR. DKTA SI, BP@8400' w/2 sx. Form 5A (doc# 1514879, 6/16/2006): CODL perf 7834-7854'; PR. Production reporting current.	10/24/2018
Permit	Status PENDING - this form may require additional form 5 or 5A information related to AOC.	10/17/2018
Permit	Zones corrected. Pass	10/16/2018
Permit	returned to draft: zones fields incorrectly entered	09/27/2018
Well File Verification	Pass	09/18/2018

Total: 6 comment(s)