

Document Number:
400841212

Date Received:
05/19/2015

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: 10524 Contact Name: Mike Griffis
 Name of Operator: GRMR OIL & GAS LLC Phone: (303) 515-5921
 Address: 370 INTERLOCKEN BLVD SUITE 550 Fax: _____
 City: BROOMFIELD State: CO Zip: 80021 Email: mike.griffis@grmroilandgas.com

For "Intent" 24 hour notice required, Name: Waldron, Emily Tel: (970) 819-9609
COGCC contact: Email: emily.waldron@state.co.us

API Number 05-081-07681-00 Well Number: 1-17
 Well Name: Hart Gulch
 Location: QtrQtr: NWSE Section: 17 Township: 4N Range: 90W Meridian: 6
 County: MOFFAT Federal, Indian or State Lease Number: _____
 Field Name: WADDLE CREEK Field Number: 90450

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.312331 Longitude: -107.525378
 GPS Data:
 Date of Measurement: 08/14/2012 PDOP Reading: 2.4 GPS Instrument Operator's Name: J. White
 Reason for Abandonment: Dry Production for Sub-economic Mechanical Problems
 Other Cleanout string stuck in lateral. Not economically viable to fish and
 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: See attached wellbore diagram describing in detail what fish is currently in the wellbore.

Current and Previously Abandoned Zones

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
NIOBRARA	4550	8059			

Total: 1 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	30	20		90	48	90	0	VISU
SURF	13+1/2	10+3/4	40.5	547	337	547	0	VISU
1ST	9+7/8	7+5/8	29.7	4,546	396	4,546	0	VISU
OPEN HOLE	6+3/4			8,059				

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 430 sks cmt from 4546 ft. to 7267 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 70 sks cmt from 2500 ft. to 4546 ft. Plug Type: ANNULUS Plug Tagged:
 Set 35 sks cmt from 0 ft. to 100 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:

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing 2500 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. of _____ inch casing Plugging Date: _____
 *Wireline Contractor: _____ *Cementing Contractor: _____
 Type of Cement and Additives Used: _____
 Flowline/Pipeline has been abandoned per Rule 1103 Yes No *ATTACH JOB SUMMARY

Technical Detail/Comments:

Proposed procedure to Plug and Abandon is as follows: MIRU SU, NU BOP. Attempt to recover a minimum of 650' stuck 3-1/2" DP (per recommendation of COGCC). TIH w/7-5/8" CICR & set above fish @ 2500'. Establish rate and pump 500 sxs of cement below plug, sting out & spot 25 sxs cement on top of plug. Records indicate cement to surface behind production csg. LD tbg to 100' & circulate 35 sxs of cmt to surface in production csg. Dig out and cut off WH 4' below ground level, top off csgs as need, weld on dry hole plate w/ legal ID, backfill cellar & remove rig anchors. Cement Slurry Properties are: Slurry Yield (cu-ft/sx) 1.15, Slurry Weight (ppg) 15.8, Mixing Wtr Required (gal/sx) 4.96, Thickening Time (hrs:min) 2:30; Compressive Strength (psi-24 hrs) 4000.

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

Signed: _____ Print Name: Mike Griffis
 Title: Operations Manager Date: 5/19/2015 Email: terry@rockymountainpermitting.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: KRABACHER, JAY Date: 6/2/2015

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 12/1/2015

COA Type	Description

Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
400841212	FORM 6 INTENT SUBMITTED
400841226	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Passes Permitting: am changing directional map trace of 01 wellbore.	3/2/2015 8:23:41 AM
Engineer	Forms 5 (Drilling cmplt reports) for both -00 and -01 note that the PR string , 5.5", was set. OPR notes on Form 5A (400451467), August 2013) that liner and tubing have been pulled.	3/1/2015 3:37:16 PM
Engineer	added OPEN HOLE section on Casing History tab added CONDUCTOR CBL (isolation scanner) and cement summaries indicate "int" (7.625") csg string to surface	3/1/2015 3:21:31 PM
Engineer	WBD is viewable, & current. will request proposed Post-P-&-A WBD API # should be for sidetrack "-01" (081-07691-01) cement summary (#1535098) notes "22 bbls (cement) to surface" for 7.625" csg string	3/1/2015 2:37:06 PM
Permit	Returned to Draft at operator request.	5/20/2015 8:46:42 AM
Permit	Pending: Requesting wellbore diagram. Cannot read WBD attached.	5/20/2015 6:51:45 AM

Total: 6 comment(s)