

Document Number:
401054040

Date Received:
05/26/2016

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: 10396 Contact Name: Brandon Yaw

Name of Operator: SWN PRODUCTION COMPANY LLC Phone: (832) 796-6043

Address: PO BOX 12359 Fax: _____

City: SPRING State: TX Zip: 77391 Email: brandon_yaw@swn.com

For "Intent" 24 hour notice required, Name: Waldron, Emily Tel: (970) 819-9609

COGCC contact: Email: emily.waldron@state.co.us

API Number 05-081-07672-00

Well Name: Horse Gulch Federal Well Number: 13-12

Location: QtrQtr: NWSW Section: 12 Township: 6N Range: 93W Meridian: 6

County: MOFFAT Federal, Indian or State Lease Number: COC65175

Field Name: WILDCAT Field Number: 99999

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.483617 Longitude: -107.788653

GPS Data:
Date of Measurement: 09/30/2011 PDOP Reading: 2.2 GPS Instrument Operator's Name: Robert L Kay

Reason for Abandonment: Dry Production Sub-economic Mechanical Problems

Other 1st string cement top below surface casing shoe per CBL, possible

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	30	20		40		40	0	VISU
SURF	12+1/4	9+5/8	36	3,415	345	3,415	0	VISU
1ST	8+3/4	5+1/2	20	6,737	785	6,737	3,658	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3415 with 15 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 _____ 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:
Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 3465 ft. with 60 sacks. Leave at least 100 ft. in casing 3415 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 16 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:

CBL ran June 2015 by no isolation around the surface casing shoe.
Well was been shut in waiting on completion.
See attached P&A Procedure, Current Wellbore Schematic and Proposed Wellbore Schematic.

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

Signed: _____ Print Name: Cheryl Rowell

Title: Regulatory Analyst Date: 5/26/2016 Email: cheryl_rowell@swn.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: ANDREWS, DAVE Date: 7/2/2016

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 1/1/2017

COA Type	Description
	1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) Properly abandon flowlines (if any, this well was not completed) per Rule 1103. File electronic Form 42 when flowline abandonment is complete. 3) Notify COGCC Engineering staff if a rate cannot be established after perforating at 3465' MD. 5) This well has Federal minerals. Notify COGCC Engineering staff of any BLM-required plugging changes not shown on this form prior to plugging or during this plugging operation (as directed by BLM in the field).

Attachment Check List

Att Doc Num	Name
401054040	FORM 6 INTENT SUBMITTED
401054588	PROPOSED PLUGGING PROCEDURE
401054589	WELLBORE DIAGRAM
401054590	WELL ABANDONMENT REPORT (INTENT)

Total Attach: 4 Files

General Comments

User Group	Comment	Comment Date
Engineer	Changed "Fish in Hole" and "Wellbore has Uncemented Casing Leaks" from null values to "No." None reported by operator. This well has not been completed. Changed plugging procedure to reflect attached narrative procedure, showing 60 sx to be squeezed below CICR through perforations at 3465' with 15 sx cement to be placed on top of the CICR at 3415'. Changed surface casing cement volume from 345 sx to 890 sx, as shown on surface casing cement ticket job log, COGCC Document No. 400218811. A Rule 326.d. mechanical integrity test is past-due. Changed COGCC well status from XX to WO on 7/2/2016. Deadline to plug and abandon, remediate uncemented First String interval or provide a geologic isolation demonstration was extended to 7/15/2016, as stated on Form 4 #401001919.	7/2/2016 12:28:23 PM
Public Room	Document verification complete 06/07/16	6/7/2016 11:48:35 AM
Permit	Doc 2204172 is resistivity log of 3400-6700' section.	5/31/2016 8:57:58 AM

Total: 3 comment(s)