

Document Number:
401920552

Date Received:
02/07/2019

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: 10531 Contact Name: Scott Ghan
 Name of Operator: VANGUARD OPERATING LLC Phone: (970) 876-1959
 Address: 5847 SAN FELIPE #3000 Fax: _____
 City: HOUSTON State: TX Zip: 77057 Email: sghan@vnrenergy.com

For "Intent" 24 hour notice required, Name: Holtz, Darin Tel: (970) 623-9782
COGCC contact: Email: darin.holtz@state.co.us

API Number 05-045-20867-00 Well Number: 44C-33-691
 Well Name: FEDERAL
 Location: QtrQtr: SESE Section: 33 Township: 6S Range: 91W Meridian: 6
 County: GARFIELD Federal, Indian or State Lease Number: COC051440
 Field Name: MAMM CREEK Field Number: 52500

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.479209 Longitude: -107.553274
 GPS Data:
 Date of Measurement: 09/30/2010 PDOP Reading: 6.0 GPS Instrument Operator's Name: JIM KALMON
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other Market Conditions
 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	14	36	40		40	0	CALC
SURF	12+1/4	9+5/8	36	891	250	892	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 25 sks cmt from 50 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 surface casings to be plugged and abandoned are intermixed with producing wells on the location. Vanguard may want to reenter the plugged surface casings at a future date, so the surface casings will not be cut and buried below the surface grade. Vanguard has previously discussed the planned plugging procedure and leaving the casings at surface with the COGCC and BLM. Vanguard staff has received verbal approval from engineering staff at both the COGCC and BLM regarding this procedure. Excavating and cutting the plugged casings below surface grade also poses a health and safety risk due to the close proximity of actively producing wells and associated flowlines. The plugged surface casings will remain at surface grade until all the wells on the location are plugged and abandoned and the location is reclaimed.

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

Signed: _____ Print Name: Julie Webb
Title: Sr. Regulatory Analyst Date: 2/7/2019 Email: jwebb@progressivepcs.net

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: Chollett, Shannon Date: 2/13/2019

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 8/12/2019

COA Type	Description
	<p>1)Provide 48 hour notice of plugging MIRU via electronic Form 42.</p> <p>2)This well has federal minerals. Operator shall notify COGCC engineering staff of any plugging changes required by the BLM or unexpected conditions in the field as soon as feasible.</p> <p>3)Operator to comply with BLM procedures for final reclamation and surface casing cutting guidelines.</p>

Attachment Check List

Att Doc Num	Name
401920552	FORM 6 INTENT SUBMITTED
401931995	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
Well File Verification	Pass	02/08/2019
Permit	Pass	02/07/2019

Total: 2 comment(s)