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Document Number: 2302890			
Date Received: 10/18/2018			

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: 10117 Contact Name: Larry Romme
 Name of Operator: LORENTZ OIL & GAS LLC Phone: (620) 629-3131
 Address: 2109 BERKELEY DRIVE Fax: (620) 626-6336
 City: WICHITA State: TX Zip: 76308 Email: larryromme620@gmail.com
For "Intent" 24 hour notice required, Name: Welsh, Brian Tel: (719) 325-6919
COGCC contact: Email: brian.welsh@state.co.us

API Number 05-009-06555-00 Well Number: 1-29
 Well Name: HUME
 Location: QtrQtr: N2 Section: 29 Township: 32S Range: 42W Meridian: 6
 County: BACA Federal, Indian or State Lease Number: 9364
 Field Name: WINDMILL Field Number: 93612

Notice of Intent to Abandon
 Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 37.234845 Longitude: -102.177183
 GPS Data:
 Date of Measurement: 12/18/2013 PDOP Reading: 6.0 GPS Instrument Operator's Name: E. HARDER
 Reason for Abandonment: Dry Production Sub-economic Mechanical Problems
 Other _____
 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
TOPEKA	3194	3201			

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
SURF	14+3/4	10+3/4	40.5	484	260	484	0	
1ST	7+7/8	4+1/2	11.6	3,337	160	3,337	2,580	CBL
2ND	7+7/8	4+1/2	11.6	3,337	350	1,885	125	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 3144 with 2 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 1400 ft. to 1100 ft. Plug Type: CASING Plug Tagged:
Set 25 sks cmt from 900 ft. to 600 ft. Plug Type: CASING Plug Tagged:
Set 40 sks cmt from 534 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:
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 15 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:

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

Signed: _____ Print Name: Brian Lorentz
Title: Agent Date: 10/18/2018 Email: lorentz@coxinet.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: SUTPHIN, DIRK Date: 10/19/2018

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/18/2019

COA Type	Description
	<p>Bradenhead: Prior to starting plugging operations a bradenhead test shall be performed. The Form 17 shall be submitted within 10 days of the test.</p> <p>1) If, before opening the Bradenhead valve, the beginning pressure is greater than 25 psi, sampling is required.</p> <p>2) If pressure remains at the conclusion of the test, or if any liquids were present during the test, sampling is required.</p> <p>Sampling shall comply with Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.</p>
	<p>Venting during plugging: 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.</p>
	<p>1) Provide 48 hour notice of MIRU via electronic Form 42.</p> <p>2) Shoe plug (534'-0): Tag plug 50' above surface casing shoe, if not circulated to surface.</p> <p>3) Surface plug: Cement from 50' to surface in casing and annulus.</p> <p>4) 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.</p>
	<p>COA: Form 7 reporting has not been submitted since Oct 2017. Submit Operator's Monthly Production Reports (Form 7) required for compliance with Rule 309 within 30 days.</p>

Attachment Check List

Att Doc Num	Name
2302890	FORM 6 INTENT SUBMITTED
2519797	Wellbore Diagram
2519801	Preoceedure

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	<p>Deepest WW w/in 2 miles 465'. Day Creek 670-710', Blaine salt 1000-1130', Stone Corral 1500-1520'.</p> <p>Casing History: Per CBL on file top of stage cement 125'.</p> <p>Plugging: Total cement volume to fill 4.5" casing from 534' to surface is approx 8.3 bbls (40 sks). 25 sk plugs are approx. 300' in 4.5" casing. Revised plugs as 25 sks at 1400-1100'. 25 sks at 900-600', and 40 sks at 534'-0, top off with 15 sks.</p>	10/19/2018
Permit	Attached WBD, pass.	10/18/2018
Agency	Returned to draft - no wellbore diagrams.	10/17/2018
Engineer	CBL in wellfile confirms cement intervals. No wellbore diagrams.	09/27/2018
Permit	perf/prod intvls verified in doc #557716	09/24/2018
Well File Verification	Pass	09/04/2018
Engineer	Casing History: 1995 Form 5 indicates there is a CBL but none on file. Requested via email.	08/30/2018

Total: 7 comment(s)