

Document Number:  
401047480

Date Received:  
11/06/2016

**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: 53790 Contact Name: Mark Brown

Name of Operator: MARKUS PRODUCTION, INC Phone: (720) 350-8858

Address: 39 FAIRWAY LANE Fax: \_\_\_\_\_

City: LITTLETON State: CO Zip: 80123 Email: mark@markusproduction.com

**For "Intent" 24 hour notice required,** Name: Schure, Kym Tel: (970) 520-3832

**COGCC contact:** Email: kym.schure@state.co.us

API Number 05-087-08117-00

Well Name: NB-WICKSTROM-STATE Well Number: 33-16

Location: QtrQtr: NWSE Section: 16 Township: 6N Range: 60W Meridian: 6

County: MORGAN Federal, Indian or State Lease Number: \_\_\_\_\_

Field Name: CRICKET Field Number: 13570

Notice of Intent to Abandon       Subsequent Report of Abandonment

*Only Complete the Following Background Information for Intent to Abandon*

Latitude: 40.485939 Longitude: -104.096980

GPS Data:  
Date of Measurement: 05/18/2010 PDOP Reading: 2.6 GPS Instrument Operator's Name: Waylon Binger

Reason for Abandonment:  Dry  Production Sub-economic  Mechanical Problems  
 Other \_\_\_\_\_

Casing to be pulled:  Yes  No Estimated Depth: 5000

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
D SAND	6584	6588			

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	12+1/4	8+5/8	24	305	215	305		VISU
1ST	7+7/8	5+1/2	17	6,739	160	6,739	5,580	CBL

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6525 with 10 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 50 sks cmt from 5050 ft. to 4900 ft. Plug Type: STUB PLUG Plug Tagged:   
 Set 40 sks cmt from 1500 ft. to 1400 ft. Plug Type: OPEN HOLE 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 5800 ft. with 40 sacks. Leave at least 100 ft. in casing 5700 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 50 sacks half in. half out surface casing from 355 ft. to 255 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. 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:

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

Signed: \_\_\_\_\_ Print Name: Mark Brown  
 Title: President Date: 11/6/2016 Email: Mark@markusproduction.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: SUTPHIN, DIRK Date: 12/8/2016

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 6/7/2017

COA Type	Description

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
401047480	FORM 6 INTENT SUBMITTED
401047484	WELLBORE DIAGRAM
401047485	WELLBORE DIAGRAM

Total Attach: 3 Files

### General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Engineer	COGCC changes: <ul style="list-style-type: none"> <li>• Added plug at 5800' (isolate above Niobrara).</li> <li>• Increased stub plug length (must have 100' cement above stub).</li> <li>• Added plug in open hole at 1500' (isolate below Upper Pierre aquifer - WWs within 2 miles).</li> <li>• Increased shoe plug depth to 355' (start 50' below surface casing shoe).</li> <li>• Increased surface plug cement quantity to 15 sks (50' plug is 15 sx)</li> </ul>	12/08/2016
Engineer	Note changes to submitted form. <ol style="list-style-type: none"> <li>1) Provide 48 hour notice of MIRU via electronic Form 42.</li> <li>2) Shoe plug: Tag plug 50' above surface casing shoe.</li> <li>3) Surface plug: Cement from 50' to surface in casing and both annuluses.</li> <li>4) Properly abandon flowlines per Rule 1103. File Form 42 when done.</li> <li>5) Abandoned well marker shall be inscribed with the well's legal location, well name and number, and API Number (Rule 319.a.(5)).</li> </ol>	12/08/2016
Public Room	Document verification complete 11/08/16	11/08/2016
Permit	Verified formation and perf depths on Form 5A (Doc# 877096, 7/27/2000) found in well file. Permit review complete.	11/07/2016

Total: 4 comment(s)