

Document Number:  
400599657

Date Received:  
04/30/2014

**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: 74770 Contact Name: John Niernberger

Name of Operator: RITCHIE EXPLORATION INC Phone: (316) 691-9500

Address: P O BOX 783188 Fax: (316) 691-9550

City: WICHITA State: KS Zip: 67278- Email: jniernberger@ritchie-exp.com

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

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

API Number 05-087-07205-00

Well Name: MERINO STATE Well Number: 3

Location: QtrQtr: S2SE Section: 36 Township: 6N Range: 55W Meridian: 6

County: MORGAN Federal, Indian or State Lease Number: 67-4068-S

Field Name: MESSEX Field Number: 54500

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.437375 Longitude: -103.470217

GPS Data:  
Date of Measurement: 05/18/2009 PDOP Reading: 2.0 GPS Instrument Operator's Name: Joseph Dugan

Reason for Abandonment:  Dry  Production for 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: Unable to get below 1025'; probable casing collapse. Packer with on/off tool set @ 5005' with no tubing above it.

**Current and Previously Abandoned Zones**

Formation	Perf. Top	Perf. Btm	Abandoned Date	Method of Isolation	Plug Depth
J-2 SAND	5083	5086			
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	129	125	129	0	VISU
1ST	7+7/8	4+1/2	10.5	5,148	150	5,148	4,598	CALC

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 210 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 \_\_\_\_\_ 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 1000 ft. with 50 sacks. Leave at least 100 ft. in casing 900 CICR Depth  
 Perforate and squeeze at 200 ft. with 150 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:

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

Signed: \_\_\_\_\_ Print Name: John Niernberger  
 Title: Production Manager Date: 4/30/2014 Email: jniernberger@ritchie-exp.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: 5/8/2014

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: 11/7/2014

COA Type	Description
	1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Tag 1000' plug or use retainer. 3) Tag shoe plug if cement not circulated to surface, and cement from 50' to surface (in casing and annulus). 4) Properly abandon flowlines as per Rule 1103.

## Attachment Check List

<u>Att Doc Num</u>	<u>Name</u>
2157671	WELLBORE DIAGRAM
400599657	FORM 6 INTENT SUBMITTED
400599668	WELLBORE DIAGRAM

Total Attach: 3 Files

## General Comments

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>
Permit	Oper. submitted WBD.	5/2/2014 7:58:24 AM
Permit	Req'd proposed plugging WBD.	5/1/2014 8:02:28 AM

Total: 2 comment(s)