

Document Number:  
400984364

Date Received:

**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: 10548 Contact Name: Terry Pape  
 Name of Operator: HRM RESOURCES II LLC Phone: (970) 768-5700  
 Address: 410 17TH STREET #1100 Fax: (303) 893-6892  
 City: DENVER State: CO Zip: 80202 Email: tpape@hrmres.com

**For "Intent" 24 hour notice required,** Name: Schure, Kym Tel: (970) 520-3832  
 COGCC contact: Email: kym.schure@state.co.us

API Number 05-087-08013-00  
 Well Name: ALISSA Well Number: 1  
 Location: QtrQtr: NWSE Section: 5 Township: 6N Range: 60W Meridian: 6  
 County: MORGAN Federal, Indian or State Lease Number: \_\_\_\_\_  
 Field Name: PLAINSMAN Field Number: 69250

Notice of Intent to Abandon       Subsequent Report of Abandonment

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

Latitude: 40.515350 Longitude: -104.115975  
 GPS Data:  
 Date of Measurement: 10/25/2010 PDOP Reading: 2.1 GPS Instrument Operator's Name: PFS\_KLM  
 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
D SAND	6688	6698			
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	226	150	227		CALC
1ST	7+7/8	4+1/2	10.5 & 11	6,735	300			

## Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 6638 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 6320 ft. to 5999 ft. Plug Type: CASING Plug Tagged:   
Set 10 sks cmt from 1470 ft. to 1342 ft. Plug Type: CASING Plug Tagged:   
Set 10 sks cmt from 930 ft. to 802 ft. Plug Type: CASING Plug Tagged:   
Set 10 sks cmt from 591 ft. to 463 ft. Plug Type: CASING Plug Tagged:   
Set \_\_\_\_\_ sks cmt from \_\_\_\_\_ ft. to \_\_\_\_\_ ft. Plug Type: \_\_\_\_\_ Plug Tagged:

Perforate and squeeze at 276 ft. with 90 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. 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:

**PROPOSED PROCEDURE**

1. MIRU P&A equipment, ND wellhead, NU BOP
2. TOH and tally 6,000' to derrick, LD remaining tubing
3. RU wireline, TIH 4-1/2" 11.6# gauge ring/junk basket to 6,638', TOH
4. TIH 4-1/2" 11.6# CIBP to 6,638' and set, TOH
5. TIH and cement dump bail 2 sacks of 15.8# class G neat 1.15 cu.ft./sack yield cement on top, TOH (2 sxs is 25' inside 4-1/2" casing, TOC: 6,613')
6. TIH tubing to 6,270'
7. Roll hole with 93 bbl water
8. Pressure test casing to 500psi for 15 minutes. (If test fails call Terry Pape and Craig Owen for orders)
9. Pump 25 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement balance plug to isolate Niobrara
10. TOH, LD to 1,470'
11. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement balance plug below Fox Hills (10 sxs is 102' inside 4-1/2" casing, TOC: 1,342')
12. TOH, LD to 930'
13. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement balance plug below Lower Arapahoe (10 sxs is 128' inside 4-1/2" casing, TOC: 802')
14. TOH, LD to 591'
15. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement balance plug below Upper Arapahoe (10 sxs is 128' inside 4-1/2" casing, TOC: 463')
16. TOH, LD tubing
17. RU wireline, TIH and perforate casing at 276', TOH, RD wireline
18. ND BOP, NU wellhead
19. Establish circulation down casing and up annulus to surface
20. Circulate 90 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
21. Dig up wellhead and cut off 3' below restored ground level, top off if necessary
22. Weld on cap with ID plate, backfill, clean location,

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

Signed: \_\_\_\_\_ Print Name: April Prohaska  
 Title: Prod. Tech Date: \_\_\_\_\_ Email: aprohaska@hmrres.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: \_\_\_\_\_ Date: \_\_\_\_\_

**CONDITIONS OF APPROVAL, IF ANY:** \_\_\_\_\_ Expiration Date: \_\_\_\_\_

<u>COA Type</u>	<u>Description</u>

**Attachment Check List**

<u>Att Doc Num</u>	<u>Name</u>
400984393	PROPOSED PLUGGING PROCEDURE
400984394	WELLBORE DIAGRAM
400984395	WELLBORE DIAGRAM
400984396	OTHER

Total Attach: 4 Files

**General Comments**

<u>User Group</u>	<u>Comment</u>	<u>Comment Date</u>

Total: 0 comment(s)