

FORM
6Rev
12/05

State of Colorado Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80203 Phone: (303) 894-2100 Fax: (303) 894-2109



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Document Number:

401233308

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 #1600

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 05-075-05445-00

Well Name: FRASCO

Well Number: 1-B

Location: QtrQtr: NENE Section: 9 Township: 7N Range: 55W Meridian: 6

County: LOGAN

Federal, Indian or State Lease Number:

Field Name: FRASCO

Field Number: 26750

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.594489

Longitude: -103.527303

GPS Data:

Date of Measurement: 05/15/2009

PDOP Reading: 4.7

GPS Instrument Operator's Name: Joseph Dugan

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☒ Yes☐ No

Estimated Depth: 188

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
J SAND	5499	5508			

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#	138	100	138	0	VISU
1ST	7+7/8	5+1/2	15.5#	5,499	100	5,499	5,249	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 5449 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 61 sks cmt from 238 ft. to 0 ft. Plug Type: STUB PLUG 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 5487 ft. with 50 sacks. Leave at least 100 ft. in casing 4487 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:

Plan to plug well as follows. Plugging to commence as soon as approval granted.

1. Check surface annulus for pressure, if present call for orders.
2. MIRU P&A equipment, NDWH, NUBOP. Load and circulate wellbore clean
3. TOH and tally 2-3/8" tbg, stand back 4,487'
4. RU wireline, PU 5-1/2" 15.5# JC/GR, TIH to 5,449', TOH 7. PU 5-1/2" 15.5#, 10K CIBP, TIH and set at 5,449', TOH
8. TIH and CDB 2 sx cement on top, TOH
9. Load and pressure test csg to 500 psi for 5 min.
10. TIH and perforate csg at 4,587' (top of Niobrara), TOH
11. PU 5-1/2", 15.5#, 10K CICR, TIH and set at 4,487', TOH, RD wireline
12. PU stinger, TIH to 4,487', pressure test csg/CICR to 500 psi for 5 minutes
13. Sting into CICR, estab IR into CICR
14. Pump 50 sx cement, 40 sx under and 10 sx on top
15. TOH and LD to 4,300', reverse circulate tbg clean, TOH
16. RU wireline, TIH and cut casing at 188' (50' below surface csg shoe), TOH, RD wireline
17. RU csg equip, NDBOP, NDWH. Unland casing, NUWH, NUBOP
18. TOH and LD csg, RD csg equip
19. TIH to 238' (50' below csg stub, 100' below surf csg shoe), establish circulation to surface
20. Pump 61 sx cement to surface
21. TOH and LD tbg, RDMO, dig out and cut off wellhead, verify cement at surface, top off if necessary
22. Weld info plate onto csg, backfill pit, clean location

All cement to be 15.8# class G neat, 1.15 cu ft/sx yield.

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: Production Tech Date: Email: aprohaska@hrmres.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:

COA Type	Description

Attachment Check List

Att Doc Num	Name
401236104	WELLBORE DIAGRAM
401236107	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)