

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



DE	ET	OE	ES
----	----	----	----

Document Number:

401259896

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: Waldron, Emily

Tel: (970) 819-9609

COGCC contact:

Email: emily.waldron@state.co.us

API Number 05-081-06632-00

Well Name: BATTLE MOUNTAIN

Well Number: 1-29

Location: QtrQtr: NENW

Section: 29

Township: 12N

Range: 91W

Meridian: 6

County: MOFFAT

Federal, Indian or State Lease Number:

Field Name: WEST SIDE CANAL

Field Number: 92000

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.969380

Longitude: -107.633990

GPS Data:

Date of Measurement: 04/06/2012

PDOP Reading: 1.8

GPS Instrument Operator's Name: Keith Kochenour

Reason for Abandonment:

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

Estimated Depth: 461

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
LEWIS SHALE	4100	4110			

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	13+3/4	9+5/8	36#	411	370	411	0	CALC
1ST	8+3/4	5+1/2	15.5#	4,258	225	4,258	3,240	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4050 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 15 sks cmt from 3560 ft. to 3474 ft. Plug Type: CASING Plug Tagged: ☐
Set 65 sks cmt from 511 ft. to 306 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: ☐

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 12 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 and abandon as follows. Plugging to begin as soon as approvals granted and rig is available.

1. Conduct pre-job safety meeting and complete daily JSA
2. Prior to MIRU, check rig anchors and record initial shut-in pressures on tbg and csg
3. Blow down well if necessary
4. Dig out around wellhead and check surface annulus for pressure and record
5. MIRU P&A equipment, NDWH, NUBOP
6. TOH and tally 4,050' of tbg to derrick
7. PU 5-1/2", 15.5#, 10K, CIBP, TIH and set at 4,050' (50' above topmost Lewis perf)
8. Load and circulate wellbore clean
9. Pump 10 sx of cement on top (10 sx is 86' in 5-1/2", TOC: 3,964')
10. TOH and LD to 3,800', reverse circulate tbg clean. Pressure test csg to 500 psi for 5 minutes
11. TOH and LD to 3,560' (50' below top of Fox Hills, Top of Fox Hills at 3,510')
12. Pump 15 sx of cement to cover Fox Hills (15 sx is 129' in 5-1/2", TOC: 3,474')
13. TOH and LD to 3,300', reverse circulate tbg clean
14. TOH, stand back 511'
15. RU csg equipment, un-land csg, stretch and determine free-point
16. RU wireline, TIH and cut csg at 461' (50' below surface csg shoe). TOH, RD wireline
17. TOH and LD csg, RD csg equipment
18. TIH to 511' (50' inside csg stub), establish circulation to surface
19. Pump 65 sx of cement to cover surface csg shoe (6 sx is 51' in 5-1/2", 19 sx is 52' in 8-3/4", 40 sx is 105' in 9-5/8", TOC: 306')
20. TOH, WOC 4 hours, TIH and tag TOC at 361' or higher. (If TOC is below 361' call for orders)
21. TOH and LD tbg to 30', establish circulation to surface
22. Circulate 12 sx of cement to surface
23. TOH and LD tbg, RDMO, dig out and cut off wellhead. Verify cement at surface, top off if necessary
24. Weld on cap with ID plate, backfill, clean location

All cement plugs 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
401259904	WELLBORE DIAGRAM
401259905	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group	Comment	Comment Date
		Stamp Upon Approval

Total: 0 comment(s)