

FORM
6Rev
12/05State 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:

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 <u>25</u> sks cmt from <u>6320</u> ft. to <u>5999</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>10</u> sks cmt from <u>1470</u> ft. to <u>1342</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>10</u> sks cmt from <u>930</u> ft. to <u>802</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set <u>10</u> sks cmt from <u>591</u> ft. to <u>463</u> ft. | Plug Type: <u>CASING</u> | Plug Tagged: <input type="checkbox"/> |
| Set _____ sks cmt from _____ ft. to _____ ft. | Plug Type: _____ | Plug Tagged: <input type="checkbox"/> |

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@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**

| | |
|-----------|-----------------------------|
| 400984393 | PROPOSED PLUGGING PROCEDURE |
| 400984394 | WELLBORE DIAGRAM |
| 400984395 | WELLBORE DIAGRAM |
| 400984396 | OTHER |

Total Attach: 4 Files

General Comments**User Group****Comment****Comment Date**

| | | |
|--|--|--|
| | | |
|--|--|--|

Total: 0 comment(s)