

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

Replug By Other Operator

Document Number:

401046390

Date Received:

05/12/2016

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: Montoya, John

Tel: (970) 397-4124

COGCC contact:

Email: john.montoya@state.co.us

API Number 05-001-07384-00

Well Name: BECKER

Well Number: 1-32

Location: QtrQtr: SENW Section: 32 Township: 2S Range: 63W Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number:

Field Name: HAWKEYE

Field Number: 33590

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.834231

Longitude: -104.463581

GPS Data:

Date of Measurement: 12/19/2013

PDOP Reading: 6.0

GPS Instrument Operator's Name: Ray Burtin

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

Estimated Depth: 6400

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	7711	7741			

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	212	200	212	0	VISU
1ST	7+7/8	4+1/2	11.6	7,826	225	7,826	6,810	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 7661 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>50</u> sks cmt from <u>6450</u> ft. to <u>6244</u> ft.	Plug Type: <u>STUB PLUG</u>	Plug Tagged: <input type="checkbox"/>
Set <u>40</u> sks cmt from <u>1470</u> ft. to <u>1368</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set <u>40</u> sks cmt from <u>930</u> ft. to <u>828</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input type="checkbox"/>
Set <u>80</u> sks cmt from <u>591</u> ft. to <u>391</u> ft.	Plug Type: <u>OPEN HOLE</u>	Plug Tagged: <input checked="" type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

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 85 sacks half in. half out surface casing from 262 ft. to 0 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 PLUGGING PROCEDURE

1. MIRU P&A equipment, ND WH, NU BOP.
2. TOH and tally 6,450' tbg to derrick. If in bad condition, PU 6,450' of 2-3/8" 4.7# workstring
3. RU wireline, PU 4-1/2" 11.6# CIBP, TIH to 7,661' and set, TOH.
4. 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 26' in 4-1/2", TOC: 7,635').
5. Load wellbore pressure test casing to 500 psi for 5 minutes (If test fails call Terry Pape and Craig Owen for orders)
6. TIH and run CBL from 6,600' to surface to verify cement, TOH, RD wireline (Submit CBL to Diana Burn, COGCC)
7. RU casing handling tools, unland casing, stretch and determine freepoint
8. RU wireline, TIH and cut casing at freepoint (about 6,400'), TOH, RD wireline
9. TOH and LD casing, RD casing tools
10. TIH to 6,450', (50' in stub). Pump 50 sxs of 15.8# class G neat 1.15 cu ft./sack yield cement (4 sxs is 50' in 4-1/2", 46 sxs is 156' in 7-7/8", TOC: 6,244')
11. TOH and LD to 1,470. Pump 30 sxs of 15.8# class G neat 1.15 cu ft./sack yield cement below Fox Hills (30 sxs is 102' in 7-7/8", TOC: 1,368')
12. TOH and LD to 930.' Pump 30 sxs of 15.8# class G neat 1.15 cu ft./sack yield cement below Lower Arapahoe (30 sxs is 102' in 7-7/8", TOC: 828')
13. TOH and LD to 591.' Pump 30 sxs of 15.8# class G neat 1.15 cu ft./sack yield cement below Upper Arapahoe (30 sxs is 102' in 7-7/8", TOC: 489')
14. TOH and LD to 262.' Pump 85 sxs of 15.8# class G neat 1.15 cu ft./sack yield cement to surface.
15. TOH and LD tubing, dig up wellhead and cut off 3' below restored ground level, top off if necessary
16. Weld on cap with ID plate, backfill, clean location, P&A complete

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

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: BURN, DIANA

Date: 6/20/2016

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 12/19/2016

COA Type**Description**

	NOTE: Changes in plugging procedure - plug at 591' increased to 80sx and needs to be tagged shallower than 420'. Other uphole plugs also increased - 40 sx. 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If surface casing plug not circulated to surface then tag plug – must be 160' or shallower and provide 10 sx plug at the surface. Leave at least 100' cement in the casing for each plug. 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.
	Contact area EPS Bob Chesson 303-894-2100 x5112 or Robert.Chesson@state.co.us regarding closure of pit - Form 27 required.

Attachment Check List**Att Doc Num****Name**

401046390	FORM 6 INTENT SUBMITTED
401046586	WELLBORE DIAGRAM
401046589	WELLBORE DIAGRAM

Total Attach: 3 Files

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

Engineer	Denver 4908 5247 146.9 402 63 39.95 NNT Upper Arapahoe 4769 4878 82.3 541 432 22.38 NT Lower Arapahoe 4430 4701 79.0 880 609 21.48 NT Laramie-Fox Hills 3890 4146 144.4 1420 1164 34.65 NT Deepest WW (1.5 mi) 595'	6/20/2016 8:42:52 AM
Public Room	Document verification complete 05/17/16	5/17/2016 2:44:16 PM

Total: 2 comment(s)