

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@hmrres.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 Number: 1-32
 Well Name: BECKER
 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
 Other _____
 Casing 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 50 sks cmt from 6450 ft. to 6244 ft. Plug Type: STUB PLUG Plug Tagged:
 Set 40 sks cmt from 1470 ft. to 1368 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 40 sks cmt from 930 ft. to 828 ft. Plug Type: OPEN HOLE Plug Tagged:
 Set 80 sks cmt from 591 ft. to 391 ft. Plug Type: OPEN HOLE 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 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)