

Document Number:
401279021

Date Received:
05/09/2017

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: Sherman, Susan Tel: (719) 775-1111

COGCC contact: Email: susan.sherman@state.co.us

API Number 05-121-08901-00 Well Number: 2

Well Name: SCHEETZ

Location: QtrQtr: NWSW Section: 23 Township: 3S Range: 52W Meridian: 6

County: WASHINGTON Federal, Indian or State Lease Number: _____

Field Name: KACHINA Field Number: 42925

Notice of Intent to Abandon Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.775810 Longitude: -103.178710

GPS Data:
Date of Measurement: 09/17/2008 PDOP Reading: 2.5 GPS Instrument Operator's Name: EMILIO HERNANDEZ

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
J SAND	4290	4298			

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+3/4	8+5/8	24	126	120	126	0	VISU
1ST	7+7/8	5+1/2	15.5	4,347	125	4,347	3,660	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4240 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 _____ 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:
 Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged:

Perforate and squeeze at 3320 ft. with 60 sacks. Leave at least 100 ft. in casing _____ CICR Depth
 Perforate and squeeze at 260 ft. with 85 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 260 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. _____ inch casing Plugging Date: _____
 of _____
 *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 operations will begin as soon as approvals granted and rig becomes available.

1. Conduct pre-job safety meeting and complete daily JSA
2. Prior to MIRU, check rig anchors and blow down well if necessary
3. Dig out around wellhead and check surface annulus for pressure
4. MIRU P&A equipment, NDWH, NUBOP, Load and circulate wellbore clean
5. TOH and tally 2-3/8" tubing (inspecting for damage), stand back 3,370'
6. RU wireline, PU 5-1/2" 15.5# JC/GR, TIH to 4,240', TOH
7. PU 5-1/2" 15.5#, 10K, CIBP, TIH and set at 4,240', TOH
8. TIH and CDB 2 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement on top, TOH (2 sxs is 16' in 5-1/2", TOC: 4,222')
9. Load and pressure test casing to 500 psi. for 5 minutes
10. TIH and run CBL from 4,200' to surface, TOH (Verify Niobrara coverage with CBL, if TOC is below 3,200' call Terry Pape and Chad Vannest for orders)
11. TIH and perforate casing at 260', TOH, RD wireline (100' below deepest water well, 82' below surface casing shoe)
12. TIH to 3,370' (50' below top of Niobrara)
13. Pump 20 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to cover Niobrara top (20 sxs is 172' in 5-1/2", TOC: 3,198')
14. TOH and LD tubing, establish circulation to surface via perforations at 260'
15. Circulate 85 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
16. TOH and LD tubing, RDMO, dig out and cut off wellhead, verify cement at surface, top off if necessary
17. Weld info plate onto casing, backfill pit, 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: Gina Payne
 Title: Production Tech Date: 5/9/2017 Email: gpayne@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: 5/25/2017

CONDITIONS OF APPROVAL, IF ANY:

Expiration Date: 11/24/2017

COA Type	Description
	Prior to initiation of plugging operations, a Bradenhead test shall be performed. If there is 25# or greater present at the beginning of the test call COGCC Engineer for possible sampling requirements. Form 17 shall be submitted within 10 days.
	NOTE: Changes in plugging procedure. Plugs now listed as perforating and pumping 3320' and surface plug) 1) Provide 48 hour notice of plugging MIRU via electronic Form 42. 2) If surface casing shoe plug not circulated to surface then tag plug – must be 75' or shallower and provide 10 sx plug at the surface (inside and outside of casing). 3) Properly abandon flowlines as per Rule 1103. File electronic Form 42 once abandonment complete.

Attachment Check List

Att Doc Num	Name
401279021	FORM 6 INTENT SUBMITTED
401279108	WELLBORE DIAGRAM
401279109	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group	Comment	Comment Date
Engineer	Deepest WW 160' DIL	05/25/2017
Public Room	Document verification complete 05/11/17	05/11/2017

Total: 2 comment(s)