

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:

401230798

Date Received:

03/10/2017

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@hrmres.com

For "Intent" 24 hour notice required,

Name: Sherman, Susan

Tel: (719) 775-1111

COGCC contact:

Email: susan.sherman@state.co.us

API Number 05-121-10222-00

Well Name: CHALLIS FARMS

Well Number: 1

Location: QtrQtr: NWNE Section: 25 Township: 1N Range: 54W Meridian: 6

County: WASHINGTON

Federal, Indian or State Lease Number:

Field Name: RAGO NORTH

Field Number: 71850

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 40.028390

Longitude: -103.366020

GPS Data:

Date of Measurement: 10/28/2008

PDOP Reading: 2.6

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: 280

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	5002	5008			

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#	206	110	206	0	VISU
1ST	7+7/8	5+1/2	15.5#	5,060	150	5,060	4,386	CBL

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth 4962 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: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>
Set _____ sks cmt from _____ ft. to _____ ft.	Plug Type: _____	Plug Tagged: <input type="checkbox"/>

Perforate and squeeze at 4002 ft. with 50 sacks. Leave at least 100 ft. in casing 3912 CICR Depth
 Perforate and squeeze at 1300 ft. with 40 sacks. Leave at least 100 ft. in casing 1225 CICR Depth
 Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set 94 sacks half in. half out surface casing from 330 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:

Plan to plug and abandon as follows. Plugging operations to commence as soon as approval granted.

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. (If present call for orders)
4. MIRU P&A equipment, NDWH, NUBOP, Load and circulate wellbore clean
5. TOH and tally 2-3/8" tubing, stand back 3,912'
6. RU wireline, PU 5-1/2" 14# JC/GR, TIH to 4,962', TOH
7. PU 5-1/2" 14#, 10K, CIBP, TIH and set at 4,962', 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: 4,946')
9. Load and pressure test casing to 500 psi. for 5 minutes (If pressure test fails, call Terry Pape and Craig Owen)
10. TIH and perforate casing at 4,002' (at top of Niobrara), TOH
11. PU 5-1/2" 14#, 10K, CICR, TIH and set at 3,912', TOH, RD wireline
12. PU stinger, TIH to 3,912', pressure test casing/CICR to 500 psi for 5 minutes
13. Sting into CICR, establish IR into CICR
14. Pump 50 sxs of 15.8# class G neat 1.15 cu ft/sack yield cement, 40 sxs under and 10 sxs on top (12 sxs is 100' in 5-1/2", 28 sxs is 185' in 5-1/2" x 7-7/8", 10 sxs is 83' in 5-1/2")
 (Annular TOC: 3,827', Cased TOC: 3,829')
15. TOH and LD to 3,700', reverse circulate tubing clean, TOH
16. RU wireline, TIH and cut casing at 280', TOH, RD wireline (100' below deepest water well, 74' below surface casing shoe)
17. RU casing equipment, NDBOP, NDWH, Unland casing, NUWH, NUBOP
18. TOH and LD casing, RD casing equipment
19. TIH to 330' (50' below casing stub, 124' below surface casing shoe), establish circulation to surface
20. Pump 94 sxs of 15.8# class G neat 1.15 cu ft/sack yield cement to surface
21. TOH and LD tubing, RDMO, dig out and cut off wellhead, verify cement at surface, top off if necessary
22. Weld info plate onto casing, backfill pit, 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: Production Tech Date: 3/10/2017 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: SUTPHIN, DIRK Date: 3/24/2017

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 9/23/2017

COA Type

Description

	Prior to initiation of plugging operations, a Bradenhead test shall be performed. Form 17 shall be submitted within 10 days. If there is 25 psi or greater pressure on the Bradenhead, or flowed any liquids from the Bradenhead, collect samples. See COGCC website - Operator Guidance - Bradenhead Testing and Reporting Instructions, Appendix A: Liquid and Gas Sampling.
	Note changes to submitted form. 1) Provide 48 hour notice of MIRU via electronic Form 42. 2) Shoe plug: Tag plug 50' above surface casing shoe, if not cemented to surface. 3) Surface plug: Cement from 50' to surface. 4) Properly abandon flowlines per Rule 1103. File Form 42 when done. 5) Abandoned well marker shall be inscribed with the well's legal location, well name and number, and API Number (Rule 319.a.(5)).

Attachment Check List

Att Doc Num

Name

401230798	FORM 6 INTENT SUBMITTED
401230867	WELLBORE DIAGRAM
401230868	WELLBORE DIAGRAM

Total Attach: 3 Files

General Comments

User Group

Comment

Comment Date

Engineer	Casing: Top of Cement is by CBL on file. Plugs: Added plug at 1300'. <3000' between plugs. In shale.	03/24/2017
Public Room	Document verification complete 03/14/17	03/14/2017

Total: 2 comment(s)