

FORM

6

Rev
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



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Replug By Other Operator

Document Number:

401133907

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 #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 05-001-06698-00

Well Name: STATE

Well Number: 1-30

Location: QtrQtr: SWSW

Section: 30

Township: 2S

Range: 62W

Meridian: 6

County: ADAMS

Federal, Indian or State Lease Number: OG 68/5575 S

Field Name: WARLOCK

Field Number: 90695

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.841590

Longitude: -104.374040

GPS Data:

Date of Measurement: 01/23/2010

PDOP Reading: 1.3

GPS Instrument Operator's Name: Joseph Collins

Reason for Abandonment: ☐ Dry☒ Production Sub-economic☐ Mechanical Problems☐ OtherCasing 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	7438	7459	03/19/2015	B PLUG CEMENT TOP	7344

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	10+1/4	8+5/8	20	212	110	212	0	VISU
1ST	7+7/8	4+1/2	10.5, 11	7,536	125	7,536	6,273	CALC

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ 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	10	sks cmt from	6628	ft. to	6497	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set	10	sks cmt from	1234	ft. to	1103	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set	10	sks cmt from	980	ft. to	848	ft.	Plug Type: CASING	Plug Tagged: <input type="checkbox"/>
Set	10	sks cmt from	470	ft. to	338	ft.	Plug Type: CASING	Plug Tagged: <input 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:

Plan to plug and abandon with the following procedure. Plugging operations to begin as soon as approval granted and a rig becomes available.

1. Conduct pre-job safety meeting and complete daily JSA
2. Prior to MIRU, check rig anchors and blow down well/kill if necessary
3. Dig out around wellhead and check surface annulus for pressure
(If present call Terry Pape #970-768-5700 and Craig Owen #970-646-3933 for orders)
4. MIRU P&A equipment, NDWH, NUBOP, TOH and tally 6,628' of tubing to derrick if present (If not present or in bad condition, PU 6,628' of 2-3/8" 4.7# workstring)
5. Load wellbore with water, 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 7,200' to surface to verify cement, TOH, RD wireline (Submit CBL to Diana Burn, COGCC, diana.burn@state.co.us)
7. TIH to 6,628', (50' below Niobrara top)
8. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to isolate Niobrara (10 sxs is 131' in 4-1/2", TOC: 6,497')
9. TOH and LD to 1,234'
10. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement below Fox Hills (10 sxs is 131' in 4-1/2", TOC: 1,103')
11. TOH and LD to 980'
12. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement below Lower Arapahoe (10 sxs is 131' in 4-1/2", TOC: 848')
13. TOH and LD to 470'
14. Pump 10 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement below Upper Arapahoe (10 sxs is 102' in 4-1/2", TOC: 338')
15. TOH and LD tubing
16. RU wireline, TIH and perforate casing at 262', RD wireline
17. Establish circulation to surface via perforations
18. Circulate 85 sxs of 15.8# class G neat 1.15 cu.ft./sack yield cement to surface
19. Dig up wellhead and cut off 3' below restored ground level, top off if necessary
20. 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: Production 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

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Attachment Check List

Att Doc Num

Name

401133914	WELLBORE DIAGRAM
401133916	WELLBORE DIAGRAM

Total Attach: 2 Files

General Comments

User Group

Comment

Comment Date

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Total: 0 comment(s)