

**From:** [Craig Burger - DNR](#)  
**To:** ["Nelson, Lance"; "blackhillsrig522@gmail.com"](#)  
**Subject:** RE: Remedial Cement Job Summary  
**Date:** Friday, July 17, 2015 2:32:00 PM

---

Lance or Kit,

Could you confirm the well name and API # that this remedial cement job was performed on?

You call it "DHS7C 20 well located in Mesa County Colorado API # 05-077-10203"

Our records show:

[WhF #DHS7C-20.D17998](#) is API # 077-10201

[WhF #DHS1C-19.D17998](#) is API # 077-10203

What is the current status and do you have a path forward yet?

Thanks,

Craig Burger  
Northwest Area Engineer



P 970.625.2497 Ext.2 | F 970.625.5682 | C 970-319-4194  
796 Megan Ave., Suite 201, Rifle, CO 81650  
[craig\\_burger@state.co.us](mailto:craig_burger@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

---

**From:** Nelson, Lance [mailto:Lance.Nelson@blackhillscorp.com]  
**Sent:** Tuesday, June 02, 2015 7:50 AM  
**To:** 'Andrews, David - DNR (david.andrews@state.co.us)'; 'Craig Burger (craig.burger@state.co.us)'; 'Bob Hartman (bhartman@blm.gov)'; 'Barmore, Justin (jbarmore@blm.gov)'  
**Subject:** FW: Remedial Cement Job Summary

Gents,

Please find the summary of the remedial cement job performed on the 7C-20 well attached and below. We'll be running a second CBL today and will forward the logs.

Summary:

**Black Hills Plateau Production: WHF DHS 7C-20 D17 998**

**API#: 05-077-10203**

**Job Description: Remedial Cement Job on the 7-5/8" Intermediate Casing**

Top of Cement f/ Cutter Wireline CBL run 5/31/2015 : 2,800 ft  
Annular / Hole Size: 9-7/8" Open Hole X 7-5/8" 29.7#/ft N-80 LT&C  
Annular / Casing Size: 10-3/4" 40#/ft J-55 ST&C X 7-5/8" 29.7#/ft N-80 LT&C  
10-3/4" 40#/ft J-55 ST&C Surface Casing set at 1,136 ft MD  
Cement Retainer: Weatherford set at 2,500 ft  
Perforated: 2,522 ft to 2,523.5 ft, 3 spf; 90° Ø; 0.5" entry Diameter

Perforated: 2,528.6 ft 2,530.4 ft 3 spf; 90° Ø; 0.5" entry Diameter  
CIBP: Weatherford set at 2,540 ft  
Circulated 7-5/8" annulus with 10.3ppg drilling mud prior to cementing  
Sacks/Yield/Wts:

Pressure tested lines to 3500psi. Pumped 20 bbl Mud Flush III spacer, 99.6 bbls, 240sk @ 12.3ppg 2.33 yield 13.55gal/sxs, Varicem Lead Cement, 22 bbls 60 sxs @ 12.8ppg 2.07 yield 11.59 gal/sk Varicem Tail. Displaced w/5 bbl Fresh water 21 bbl 10.4 ppg drilling mud, stopped a and un-stung from Cement Retainer. Left 21 ft cement on top of Cement Retainer, Circulated 10 bbl lead cement to surface. Good returns during entire job.

We will evaluate remedial cement job with CBL and casing pressure test after drilling out cement retainer and prior to drilling out bridge plug.

Best Regards,

**Lance L. Nelson**

*Asset Team Lead – Piceance Basin*

Black Hills Exploration and Production, Inc.

303-668-2282 Mobile

303-566-3502 Direct

[Lance.Nelson@blackhillscorp.com](mailto:Lance.Nelson@blackhillscorp.com)

---

**From:** Kit Hatfield [<mailto:blackhillsrig522@gmail.com>]

**Sent:** Monday, June 01, 2015 4:51 PM

**To:** Fancher, Edward; Conklin - DNR, Curtis

**Cc:** Nelson, Lance

**Subject:** Remedial Cement Job Summary

\*\*\* This is an EXTERNAL email. Exercise caution. DO NOT open attachments or click links from unknown senders or in unexpected email. If this email appears to be coming from an internal source but contains this heading, verify by another means before acting or responding. \*\*\*

---

The following attachment is the summary of the remedial cement work done of the Black Hill DHS7C 20 well located in Mesa County Colorado API # 05-077-10203

---

This electronic message transmission contains information from Black Hills Corporation, its affiliate or subsidiary, which may be confidential or privileged. The information is intended to be for the use of the individual or entity named above. If you are not the intended recipient, be aware the disclosure, copying, distribution or use of the contents of this information is prohibited. If you received this electronic transmission in error, please reply to sender immediately; then delete this message without copying it or further reading.

Black Hills Plateau Production: WHF DHS 7C-20 D17 998

API#: 05-077-10203

Job Description: Remedial Cement Job on the 7-5/8" Intermediate Casing

Top of Cement f/ Cutter Wireline CBL run 5/31/2015 : 2,800 ft

Annular / Hole Size: 9-7/8" Open Hole X 7-5/8" 29.7#/ft N-80 LT&C

Annular / Casing Size: 10-3/4" 40#/ft J-55 ST&C X 7-5/8" 29.7#/ft N-80 LT&C

10-3/4" 40#/ft J-55 ST&C Surface Casing set at 1,136 ft MD

Cement Retainer: Weatherford set at 2,500 ft

Perforated: 2,522 ft to 2,523.5 ft, 3 spf; 90° Ø; 0.5" entry Diameter

Perforated: 2,528.6 ft 2,530.4 ft 3 spf; 90° Ø; 0.5" entry Diameter

CIBP: Weatherford set at 2,540 ft

Circulated 7-5/8" annulus with 10.3ppg drilling mud prior to cementing

Sacks/Yield/Wts:

Pressure tested lines to 3500psi. Pumped 20 bbl Mud Flush III spacer, 99.6 bbls, 240sk @ 12.3ppg 2.33 yield 13.55gal/sxs, Varicem Lead Cement, 22 bbls 60 sxs @ 12.8ppg 2.07 yield 11.59 gal/sk Varicem Tail. Displaced w/5 bbl Fresh water 21 bbl 10.4 ppg drilling mud, stopped a and un-stung from Cement Retainer. Left 21 ft cement on top of Cement Retainer, Circulated 10 bbl lead cement to surface. Good returns during entire job.

We will evaluate remedial cement job with CBL and casing pressure test after drilling out cement retainer and prior to drilling out bridge plug.