



02054894

**Andrews, David**

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**From:** Gillespie, Frank E. [fegillespie@chevron.com]  
**Sent:** Sunday, September 21, 2008 12:10 PM  
**To:** GNAV@chevron.com; Ataushiyev, Mirambek; Bill\_Kraft@co.blm.gov; buddy\_thompson@blm.gov; Andrews, David; Hawkins, C. David (hawk@mssite01.ion.chevron.com); Ilavia, Phil [Independent] (ILAV@chevrontexaco.net); John Clausen; llsa@chevron.com; DLPE@chevron.com; Roedell, Jeff W. (JRoedell) (JRoedell@mssite01.ion.chevron.com); MUZK@chevron.com; AndyWalla@chevron.com; Wright, Craig (CWRI)  
**Cc:** DAVID.VITELA@chevron.com; MUZK@chevron.com; William Goolsbey; frankglsp@msn.com  
**Subject:** Chevron Rangely Drilling, Results of Kitti Fairfield A-5 9 7/8" & 9 5/8" casing cement job.  
**Follow Up Flag:** Follow up  
**Flag Status:** Red

**Chevron Rangely, Kitti Fairfield Well# A5, API # 05-103-11010 - 01**

Good Morning,

*D.A.*

On Thursday, Sept 18<sup>th</sup> Chevron cemented the 9 7/8" x 9 5/8" casing string. We circulated a minimum of 226 bbls of 11.0 ppg lead filler cement to surface, which was observed by both a Chevron onsite Drill Site Manager, myself, and a Schlumberger cement crew member.

The cement was pumped as follows:

Pumped 40 bbls Ultra Sweep Spacer mixed @ 9.7 ppg. Mixed & pumped 740 sks of lead slurry consisting of class "G" + 9% D20, 0.7% D79, 0.4% D112, 0.2% D046, mixed @ 11.0 ppg - 3.49 Yield & 22.04 GPS water ( 2582 CuFt ) & Tailed by 471 sks "G" + 3% D20, 0.4% D167, 0.1%D013, 0.2% D046, 0.3% D065, mixed @ 14.0 ppg - 1.56 YD & 7.85 GPS water . ( 734 CuFt ) Displaced cement w/ 399.8 bbls fresh water and bumped plug. (3316 total CuFt of cement pumped.) Good returns were observed throughout the entire job. Final pump down pressure was 1270 psi at 3.4 BPM. Job was completed at 11:22 AM, 9/18/08.

A Schlumberger cement bond log was run at +/- 6:00 PM on 9/20/08. Or approximately 54 hours after cement was in place. The bond log was inclusive, and the Schlumberger onsite engineer told us that the 11.0 ppg filler cement slurry top could possibly be as low as 1600'. (The 13 3/8" surface casing shoe depth is 1545'.) Both the BLM and the Colorado OGCC representatives were notified of the results on the same night the bond log was completed. (Results of log will be further analyzed and copies of the log should have been sent to both the BLM and the State of Colorado.)

On the night of Sept 20<sup>th</sup> we attempted to pump into and establish an injection rate down the 13 3/8" x 9 5/8" annulus. With less than 1/2 bbl of fresh water pumped, the annulus pressured up to 1000 psi and fell to 890 psi in 5 minutes. This would lead me to believe the annulus was full and the slurry had not fallen back into formation. ( If you calculate the annulus being filled with fresh water to the casing shoe, which it is not, the equivalent mud weight on the Mancos formation at the 13 3/8" casing shoe would have been 20.8 ppg )

09/29/2008

Both Bill Kraft BLM, and Dave Andrews, COGCC, were informed of the results of the attempted pump in test at approx 8:30 AM, 9/21/08. We received verbal permission from both Bill Kraft and Dave Andrews to proceed with the Deep Water production trials test, and then to P&A the test zone in the Navajo Formation. I was also informed by both parties that the Mancos formation isolation issue would have to be resolved before setting a whipstock and sidetracking the well in to the Weber formation production zone.

I hope this information is helpful.

Please contact me if you have any questions or issues.

Thanks

Frank E Gillespie

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