

**From:** [Craig Burger - DNR](#)  
**To:** ["Graeve, Mark"](#)  
**Cc:** ["Neifert-Kraiser, Angela"](#); ["Haddock, Reed"](#); ["Salazar, Sandi"](#); ["Hejl, Kent"](#); ["Bundick, Jason"](#)  
**Subject:** RE: Low TOC Notification GM 344-12 (05-045-22429)  
**Date:** Tuesday, September 16, 2014 3:14:00 PM

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Mark,

This low TOC is acceptable. WPX can proceed with the completion plan.

Craig Burger  
Northwest Area Engineer



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**From:** Graeve, Mark [mailto:Mark.Graeve@wpxenergy.com]  
**Sent:** Monday, September 15, 2014 11:54 AM  
**To:** Craig Burger - DNR  
**Cc:** Neifert-Kraiser, Angela; Haddock, Reed; Salazar, Sandi; Hejl, Kent; Bundick, Jason  
**Subject:** Low TOC Notification GM 344-12 (05-045-22429)

Hey Craig,

This email is to notify you that the GM 344-12 on the GM 24-12 pad has a low top of cement. The well has cement above TOG and above the MVRD, but not by 200 feet.

GM 344-12 (05-045-22429) MV Well

- This well is a new drill
- Top of Cement- 4,036'
- This well does not cover 200' above the top of the Mesa Verde (Geology pick: 4,185')
- This well does cover the top of gas (Geology pick: 5,623')
- Bradenhead pressure builds to 80 psi
- The planned top perf is below the top of gas

This well is scheduled to frac on 10/7/2014. Please advise.

Thank you

Mark Graeve  
Completions Engineer II