

**From:** [Craig Burger - DNR](#)  
**To:** ["Graeve, Mark"](#)  
**Cc:** ["Foreman, Jay"](#); ["Neifert-Kraiser, Angela"](#); ["Haddock, Reed"](#); ["Salazar, Sandi"](#); ["Hejl, Kent"](#)  
**Subject:** RE: Low TOC Notification GM 44-12 (05-045-22430)  
**Date:** Thursday, September 11, 2014 9:37:00 AM

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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:** Wednesday, September 10, 2014 4:43 PM  
**To:** Graeve, Mark; [craig.burger@state.co.us](mailto:craig.burger@state.co.us)  
**Cc:** Foreman, Jay; Neifert-Kraiser, Angela; Haddock, Reed; Salazar, Sandi; Hejl, Kent  
**Subject:** Low TOC Notification GM 44-12 (05-045-22430)

Hello Craig,

This email is to notify you that the GM 44-12 on the GM 24-12 pad has a low top of cement. Details of this well include:

GM 44-12 (05-045-22430)- MV Well

- This well is a new drill
- Top of Cement- 4,694'
- This well does not cover 200' above the top of the Mesa Verde (Geology pick: 4,542')
- This well does cover the top of gas (Geology pick:5,985')
- Bradenhead pressure is 0 psi
- The planned top perf depth 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  
WPX Energy Rocky Mountain, LLC