



**Andrews, David**

**From:** Andrews, David  
**Sent:** Tuesday, February 22, 2011 1:57 PM  
**To:** 'Caplis, Chris'  
**Subject:** RE: GM 414-32 & GM 444-31 Low TOC

Chris,

Your plan is acceptable. Please proceed.

Thanks,

**David D. Andrews, P.E., P.G.**  
Engineering Supervisor - Western Colorado

**State of Colorado**  
**Oil and Gas Conservation Commission**  
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**From:** Caplis, Chris [<mailto:Chris.Caplis@Williams.com>]  
**Sent:** Friday, February 18, 2011 12:57 PM  
**To:** Andrews, David  
**Cc:** Caplis, Chris  
**Subject:** GM 414-32 & GM 444-31 Low TOC

Mr. Andrews,

We have low TOC on the following two wells:

**GM 414-32 – MV well**

1. This well is a new drill and initial MV completion operations are scheduled for Feb. 23<sup>rd</sup>, 2011.
2. We have good bond up to the TOC. We will perform a remediation cement job (attached) before we complete the final 5 stages to isolate each stage. We do plan to move forward with completion operations with the first 2 stages.

Sec	Twon	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf
32	6	96	GM 414-32	05-045-19443	6,508	4,390	-2,318	5,553	5695	-813

\*Note: I'm assuming 200' above MVRD for cement coverage

**GM 444-31 – MV well**

1. This well is a new drill and initial MV completion operations are scheduled for Feb. 23<sup>rd</sup>, 2011.
2. We have decent bond up to the TOC. We have several hundred feet of bonded cement above our top perf, thus our plan is to complete the well with no remediation.

Sec	Twn	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf
32	6	96	GM 444-31	05-045-19433	4,590	4,270	-520	5,385	5485	895

\*Note: I'm assuming 200' above MVRD for cement coverage

Braden heads were gauged and show zero pressure.

Our FTP site is having trouble today. I'll post the CBL's when it is up and running.

As mentioned above, the current plan is to move forward with operations until we get to the MV1 stage on the GM 414-32, at which point we will remediate prior to completing the rest of the well. We plan to complete the GM 444-31 while closely monitoring BH pressure. Please advise if this plan is acceptable.

Regards,

**Chris Caplis**

Completions Engineer

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