



**Krabacher, Jay**

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**To:** Trahan, Kristin  
**Cc:** King, Kevin; Andrews, David (David.Andrews@state.co.us)  
**Subject:** RE: KP 314-18 Squeeze CBL 045-20635  
**Attachments:** Jay Krabacher.vcf



Yes, Kristin.

("Why didn't you say so?" → re: top perf is at 6108')

Your plan to proceed is acceptable, and sufficient.

Of course continue to monitor the bradenhead pressure and if it reaches 150 psi notify us.

Thanks for your patience,

Jay Krabacher

**Jay Krabacher**  
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**From:** Trahan, Kristin [<mailto:Kristin.Trahan@wpxenergy.com>]  
**Sent:** Friday, August 31, 2012 10:01 AM  
**To:** Krabacher, Jay  
**Subject:** RE: KP 314-18 Squeeze CBL 045-20635

Jay,

The top perf on this well was 6108'. You are correct in that the top MVRD is 4,192' and Kevin did say the remediated cement should be 3,992'. From the CBL, I do not feel I could get a good squeeze until 3600', possibly as deep as 3800', although that is still questionable. We do not have any plans to complete higher up in the well and with minimal bradenhead pressure, I would prefer to not put any more holes in the casing than necessary. I can send you a bradenhead pressure report over the course of the next few weeks and we also continually monitor the bradenhead pressure and if it ever reaches 150 psi, I will notify you and plan another remediation at that time.

Would this plan be sufficient?

Thanks,  
Kristin



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**From:** Krabacher, Jay [<mailto:Jay.Krabacher@state.co.us>]  
**Sent:** Friday, August 31, 2012 9:47 AM  
**To:** Trahan, Kristin; King, Kevin  
**Cc:** [David.Andrews@state.co.us](mailto:David.Andrews@state.co.us)  
**Subject:** RE: KP 314-18 Squeeze CBL 045-20635

Kristin:

It would also be helpful if the CBL extended uphole far enough to see true free pipe for additional comparison. The VDL is what would be ordinarily "sufficiently fuzzy" to indicate good bond – yet the collar ringing is evident pretty far down.

Kevin approved a previous Sundry notice (the Request to Complete) stating that completion could not occur higher than 5770' and that future cement remediation should bring the TOC to 200' (+) above the MVRD. I think data in the wellfiles indicate that the MVRD top is 4192'? Hence, the TOC optimally should be 3992' or higher.

If the bradenhead pressure is still 40 psi, that is an improvement over the prior 60 psi readings.

At what depth is the highest completed zone? After I hear back from you, I am leaning towards agreeing with your plan (drill out frac plugs, start production).

Regards,

Jay Krabacher

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**From:** Trahan, Kristin [<mailto:Kristin.Trahan@wpxenergy.com>]  
**Sent:** Thursday, August 30, 2012 5:03 PM  
**To:** Krabacher, Jay; King, Kevin; Andrews, David  
**Subject:** KP 314-18 Squeeze CBL

Attached is the CBL from the remediation squeeze on the KP 314-18. In comparing the original CBL to the new CBL, the difference in amplitude suggests a new TOC at 3880', although I would say that there is better coverage up to 4,364'. Current bradenhead pressure readings are currently 40 psi. With this, I do not plan on attempting another squeeze and would like to move forward with drilling out the frac plugs and turning this well over to production.

Please advise.

Thanks,  
Kristin Trahan



KRISTIN TRAHAN