



Andrews, David

045-19442

From: Andrews, David
Sent: Tuesday, June 07, 2011 12:29 PM
To: 'Caplis, Chris'; Krabacher, Jay
Cc: King, Kevin
Subject: RE: GM 433-31 Low TOC

Follow Up Flag: Follow up
Flag Status: Flagged

Chris,

Thanks for the update, and please proceed with the additional cement squeezes.

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

State of Colorado
Oil and Gas Conservation Commission
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Rifle, Colorado 81650
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E-mail: David.Andrews@state.co.us
Website: <http://www.colorado.gov/cogcc>

From: Caplis, Chris [mailto:Chris.Caplis@Williams.com]
Sent: Tuesday, June 07, 2011 10:00 AM
To: Andrews, David; Krabacher, Jay
Cc: King, Kevin
Subject: RE: GM 433-31 Low TOC

Dave/Jay/Kevin,

FYI – Yesterday, 6/6/2011, we began stimulation operations on the GM 433-31 MV1 stage after the OK from the COGCC. During the frac job the braden head pressure began to climb from 0 psi to ~190 psi. We went to flush early in the job due to this pressure. Once the job was finished we bled off the pressure and began flowing the well back. Once the well started flowing back the braden head pressure has remained at 0 psi.

Our plan moving forward is to complete cement remediation operations with two additional cement squeezes above the two we have already performed, run another CBL and submit that CBL to the COGCC for review.

Questions/Concerns please let me know.

Regards,

Chris Caplis
Completions Engineer
Williams Production Co.
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Cell: 303-601-4884
chris.caplis@williams.com

Andrews, David

From: Krabacher, Jay
Sent: Friday, June 03, 2011 3:40 PM
To: Caplis, Chris
Cc: Andrews, David (David.Andrews@state.co.us); King, Kevin
Subject: RE: GM 433-31 Low TOC
Attachments: Jay Krabacher.vcf

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Chris:

Yes, you "are good to go." I concur with your assessment on the CBL. (I wish all the CBLs I try to view were as quick and easy as that). Yes, the upper squeeze has 85' of good bond.

Of course, monitor the bradenhead and, of course, take immediate action (cease operations) if you see a big increase in pressure there.

Regards,

Jay Krabacher

Jay Krabacher

COGCC
Petroleum Engineer, EIT - II

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From: Caplis, Chris [<mailto:Chris.Caplis@Williams.com>]
Sent: Friday, June 03, 2011 8:37 AM
To: Krabacher, Jay
Subject: FW: GM 433-31 Low TOC

Good morning Jay,

I sent the email below to David and Kevin then received their out-of-office replies. Could you review and let me know if we are good to go?

Thanks,

Chris Caplis
Completions Engineer
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chris.caplis@williams.com

From: Caplis, Chris
Sent: Friday, June 03, 2011 8:35 AM
To: 'Andrews, David'
Cc: King, Kevin
Subject: RE: GM 433-31 Low TOC

David/Kevin,

We have performed two squeezes on the GM 433-31. Attached is the CBL we ran yesterday. Both squeeze jobs went fair. The first set of squeeze holes was shot at 5,940' and we achieved ~70' of good bond from this squeeze along with a 5' stringer from ~5,830 – 5,825'. The second set of squeeze holes was shot at 5,615' and we achieved ~85' of good bond. The braden head has 0 psi.

Our current plan is to frac the MV1 & MV2 this coming Monday, June 6th then perform squeeze operations again to complete the last two stages up hole.

The MV1 has both squeeze blocks above it so ~160' of good bond above top perf. The MV2 has the top squeeze above top perf or ~85' of good bond above it so again, we are extremely confident both fracs will be contained.

If this plan is acceptable please let us know.

Thanks,

Chris Caplis
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From: Andrews, David [<mailto:David.Andrews@state.co.us>]
Sent: Monday, March 28, 2011 2:39 PM
To: Caplis, Chris
Cc: King, Kevin
Subject: RE: GM 433-31 Low TOC

Chris,

Thanks for your summary. Please proceed with cement remediation, and provide an update after remediation is complete and bradenhead pressure is measured.

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

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From: Caplis, Chris [mailto:Chris.Caplis@Williams.com]
Sent: Monday, March 28, 2011 2:36 PM
To: Andrews, David
Cc: Caplis, Chris
Subject: RE: GM 433-31 Low TOC

Mr. Andrews,

We have low TOC on the following well. It is in the Grand Valley field.

Details below:

GM 433-31 – MV well

1. This well is a new drill and initial MV completion operations are scheduled for mid-May 2011 due to the lack of frac crews – but this could change.
2. We pumped a typical production slurry on this well with little success. We are still investigating as to why we have such a low TOC since no obvious reason has presented itself. Of the other 12 wells on the pad we've had one other well with a low TOC.

Sec	Twn	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf
31	6	96	GM 433-31	05-045-19442	6,100	3,854	-2,446	4,971	N/A	N/A

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

We have not gauged the braden head on this well as of today, 3/28/2011 – I will report braden head pressure once it is gauged.

The current plan is to remediate prior to completion operations. Please advise if this plan is acceptable.

Regards,

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