



State  
of  
Colorado



ner - DNR, Jay <jay.krabacher@state.co.us>

## LOW TOC on the PA 534-2

2 messages

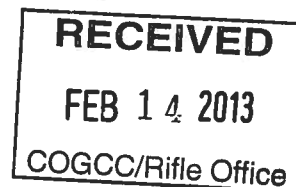
Schmidt, Andrew <Andrew.Schmidt@wpxenergy.com>

Thu, Feb 14, 2013 at 3:25 PM

To: "Krabacher - DNR, Jay" <jay.krabacher@state.co.us>

Cc: "Tannehill, Julie" <Julie.Tannehill@wpxenergy.com>, "Harris, Howard" <Howard.Harris@wpxenergy.com>, "Burt, Samuel" <Samuel.Burt@wpxenergy.com>

Jay -



The PA 534-2 has a low TOC. Below are some details of the well:

Sec	Tw	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf	Bradenhead Press Before Completion
2	7	95	PA 534-2	05-045-20883	5,450	5,187	-463	6,458	6,737	1,287	0

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

This email is to inform you that:

- This well is a new drill and initial completion operations are scheduled to begin February 18<sup>th</sup>, 2013.
- Cement top on the production casing did not cover the geologist's pick for Mesa Verde top.
- Cement top did cover the geologist's pick for top of gas.
- Cement top did cover all zones that we have an interest in completing.

Surface casing pressure (if any exists) will be bled off. At present, our completion plan with regard to the low TOC is to:

- Re-confirm 0 psi on bradenhead pressure before initiating fracs.
- Monitor surface casing pressure during completion process (pressure gauge during frac job, documenting pressure before and after the frac).
- Proceed with the completion as planned
- Continue to bleed pressure down (if any exists) and shut in surface casing to determine if pressure continues to build up. If so, repeat this process as necessary.
- Check surface casing pressure 90 days after completion operations are finished.
- If pressure persists after these efforts, we will contact you to discuss options.

At this time, we plan to move forward with completion operations due to the isolation provided by more than 1,250' cement over the top perforation.

Please advise: Is this plan acceptable?

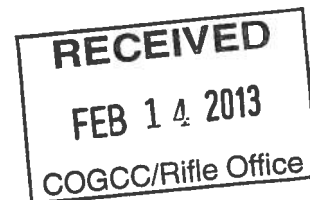
The bond log and completion procedure are attached and are also available on the WPX FTP site. Please advise if you are unable to view the CBL.

FTP login info:

ftp://ftp.wpxenergy.com

Username: PiceanceFTP4

Password: e{JZ9:sh



Thanks,

Andrew

**Andrew Schmidt**

Senior Completions Engineer

WPX Energy

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Cell: 720-292-0141

andrew.schmidt@wpxenergy.com



 **WPX ENERGY DIAMOND ELK PA 534-2 CBL REV2.cgm.meta.PDF**  
8003K

**Krabacher - DNR, Jay** <jay.krabacher@state.co.us>

Thu, Feb 14, 2013 at 5:02 PM

To: "Schmidt, Andrew" <Andrew.Schmidt@wpxenergy.com>

Cc: "Tannehill, Julie" <Julie.Tannehill@wpxenergy.com>, "Harris, Howard" <Howard.Harris@wpxenergy.com>, "Burt, Samuel" <Samuel.Burt@wpxenergy.com>

Andrew:

The COGCC concurs that there is sufficient cement coverage over your proposed top perf of 6737'.

However, the TOC could be called at 5445' – but the cement appears to be very good at 6495' or so. More scrutiny as regards the cement situation for this well might be called for, before remediation/TOC-raising operations are conducted.

Your plan is acceptable. Please proceed.

Regards,

Jay Krabacher

[Quoted text hidden]

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**Jay Krabacher**