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of
Colorado



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

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FEB 14 2013

COGCC/Rifle Office

LOW TOC on the PA 434-2

2 messages

Thu, Feb 14, 2013 at 3:21 PM

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

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

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

Jay,

The PA 434-2 has a low TOC and we will need to remediate before completing the entire wellbore. In the meantime, we would like to move forward with completions on deeper intervals where we do have sufficient cement coverage.

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 434-2	05-045-20882	6,915	5,134	-1,981	6,393	7,678	763	0

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

** Top perforation to be completed until remediation is completed successfully

This email is to inform you that:

- This well is a new drill and initial completion operations are scheduled to begin February 18th, 2013.
- Cement top on the production casing did not cover the geologist's pick for Mesa Verde top.
- Cement top did not cover the geologist's pick for top of gas.
- Cement top did not cover all zones that we have an interest in completing. Until remediation, the shallowest perforation will be located at 7,678'.

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 remediate but will not do so until the well is completed up to the perforation at a depth 7,678' and we have discussed the remediation plan with you. 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.

Thanks,
Andrew



Andrew Schmidt

Senior Completions Engineer

WPX Energy

Ofc: 303-629-8442

Cell: 720-292-0141
andrew.schmidt@wpxenergy.com

WPXENERGY

 WPX ENERGY DIAMOND ELK PA 434-2 CBL REV1.cgm.meta.PDF
7805K

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

Thu, Feb 14, 2013 at 4:46 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:

Your email mentions that the "completion procedure is attached" (along with the CBL) -- but the only attachment was the CBL. Maybe I mis-interpreted -- the summary of the proposed completion is within the email. Regardless, the CBL does show a good TOC (like you said, 6915') over 700' above your planned top perf (at present) at 7678'. COGCC approves the proposed completion procedure for this well.

Regards,

Jay Krabacher
[Quoted text hidden]

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Jay Krabacher
N W Area Engineer
C O G C C

cosas son mas como son ahora que ellas siempre fueron