

Andrews, David



045-20838



**From:** Andrews, David  
**Sent:** Tuesday, April 17, 2012 10:49 AM  
**To:** 'Schmidt, Andrew'; Krabacher, Jay; King, Kevin  
**Cc:** Trahan, Kristin; Davis, Gregory; Foster, Nicole; Tannehill, Julie; Burt, Samuel  
**Subject:** RE: SG 311-23 Low TOC and Remediation Procedure

Andrew,

Pending BLM's concurrence (COGCC's system indicates that this well has federal minerals), 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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Website: <http://www.colorado.gov/cogcc>

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**From:** Schmidt, Andrew [<mailto:Andrew.Schmidt@wpxenergy.com>]  
**Sent:** Monday, April 16, 2012 3:46 PM  
**To:** Krabacher, Jay; King, Kevin  
**Cc:** Trahan, Kristin; Davis, Gregory; Foster, Nicole; Tannehill, Julie; Burt, Samuel; Andrews, David  
**Subject:** RE: SG 311-23 Low TOC and Remediation Procedure

Kevin,

Per your email below, we went ahead with the remediation procedure on the SG 311-23 on Monday, April 9<sup>th</sup>. The new TOC is 3,956'. This email is to inform you that:

- This is a new well and initial completion operations are scheduled to begin April 20<sup>th</sup>.
- The cement remediation that was performed gave us a new TOC @ 3956'.
- The cement now covers all zones we are completing.
- The cement now covers the geologist's pick for the top of gas.
- The cement still does NOT cover the geologist's pick for the top of Mesa Verde.
- No bradenhead pressure was observed.

The new TOC gives us nearly 375' cement coverage above our proposed top perforation. Our current plan is to move forward with completion operations. During the operations, we will be monitoring the bradenhead. Please advise if this is acceptable.

Sec	Twn	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf	Bradenhead Press Before Completion
23	7	96	SG 311-23	05-045- <del>20638</del> 20638	3,956	2,816	-1,340	4,122	4,330	374	0

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

You can access our ftp server to download the CBL. The login information is here:

~~ftp://ftp.williams.com~~

The username is: ~~XXXXXXXXXX~~

Password is ~~XXXXXXXXXX~~

Thanks  
Andrew

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**From:** Krabacher, Jay [<mailto:Jay.Krabacher@state.co.us>]

**Sent:** Monday, April 09, 2012 10:15 AM

**To:** Trahan, Kristin

**Cc:** King, Kevin; Davis, Gregory; Foster, Nicole; Tannehill, Julie; Burt, Samuel; Andrews, David

**Subject:** RE: SG 311-23 Low TOC and Remediation Procedure

Kristin:

Your plan is acceptable. Please proceed.

Regards,

Jay Krabacher

**Jay Krabacher**

COGCC

Petroleum Engineer -- EIT III

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707 Wapiti Ct., # 204  
Rifle, CO 81650

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**From:** Trahan, Kristin [<mailto:Kristin.Trahan@Williams.com>]

**Sent:** Wednesday, April 04, 2012 5:01 PM

**To:** King, Kevin; Krabacher, Jay

**Cc:** Schmidt, Andrew; Davis, Gregory; Foster, Nicole; Tannehill, Julie; Burt, Samuel

**Subject:** SG 311-23 Low TOC and Remediation Procedure

Kevin,

We have a low cement top in the South Grand Valley field. Details are listed below. This email is to inform you that:

- This is a new well and initial completion operations are scheduled to begin April 21, 2012.
- Cement top does NOT cover the geologist's pick for Mesa Verde top
- Cement top does NOT cover the geologist's pick for top of gas
- Cement top does NOT cover all the zones we have an interest in completing.

- No bradenhead pressure was observed.

Our completion plan with regard to the low TOC is to:

- Perform a remediation squeeze job (attached) and wait on CBL results to proceed with completion operations.
- Monitor surface casing pressure during the completion operations
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Sec	TwN	Rng	Well	API	CBL TOC	Top of MVRD	Short*	Top of Gas	Top Perf	Cmt over Perf
23	7	96	SG 311-23	05-045-20638	4,850	2,816	-2,064	4,122	N/A	N/A

\*Note: I'm assuming 200' above MVRD for cement coverage **20838**

I have attached a copy of the CBL and cement squeeze procedure. Please advise if this plan is acceptable.



KRISTIN TRAHAN  
PETROLEUM ENGINEER SR E&P

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