

**From:** [Tyler Gillam](#)  
**To:** [Jeff Kirtland](#); [Vicki Schoeber](#)  
**Cc:** [BJ Reynolds](#)  
**Subject:** FW: FW: [EXTERNAL] Well Design Change Request - RG 41-18-297 Pad  
**Date:** Wednesday, February 17, 2021 10:09:05 AM

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COGCC approval for 3 string

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**From:** Lynn Cass <[LCass@terraep.com](mailto:LCass@terraep.com)>  
**Sent:** Wednesday, February 17, 2021 10:56 AM  
**To:** Tyler Gillam <[tgillam@terraep.com](mailto:tgillam@terraep.com)>; Dustin Childers <[dchilders@terraep.com](mailto:dchilders@terraep.com)>  
**Cc:** Jayson Boebert <[jboebert@terraep.com](mailto:jboebert@terraep.com)>  
**Subject:** FW: FW: [EXTERNAL] Well Design Change Request - RG 41-18-297 Pad

FYI

Regards,

**L. Cass** | Drilling | TEP Rocky Mountain LLC | 1058 County Road 215 | PO Box 370, Parachute, CO 81635  
☎ (Office) 970-263-2716 | 📱 (Mobile) 970-755-0083 | ✉ [LCass@terraep.com](mailto:LCass@terraep.com)

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**From:** Katz - DNR, Aaron <[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us)>  
**Sent:** Wednesday, February 17, 2021 9:51 AM  
**To:** Lynn Cass <[LCass@terraep.com](mailto:LCass@terraep.com)>  
**Subject:** Re: FW: [EXTERNAL] Well Design Change Request - RG 41-18-297 Pad

Lynn, Thank you for the quick response this morning. I can provide verbal approval to utilize a 3 string casing design as discussed this week and outlined in your email. In line with the BLM requirements, the cement COA is listed below and a CBL is not required on the intermediate casing. Once you have the first form 4 sundry completed, leave it in Draft mode and let me know the document number. I can review the new sections such as the potential flow zone table and provide feedback prior to submitting.

Cement COA: Operator shall provide cement coverage from the intermediate casing shoe (9 5/8" FIRST STRING) to a minimum of 500' above the top of the Wasatch formation.

Regards,

Aaron Katz

Northwest Area Engineer



Office: 303-894-2100 Ext. 5691

Cell: 970-765-6300

818 Taughenbaugh Blvd. Suite 103

Rifle, CO 81650

[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us) | [www.colorado.gov/cogcc](http://www.colorado.gov/cogcc)

On Wed, Feb 17, 2021 at 8:18 AM Lynn Cass <[LCass@terraep.com](mailto:LCass@terraep.com)> wrote:

Morning Aaron,

The meeting went well with the BLM. No COA's nor CBL for verification of TOC. They approved the TOC on intermediate at 500 ft above the Wasatch. I did receive a verbal reply from them. I sent them the same email I sent you guys. Thanks.

Regards,

**L. Cass** | Drilling | TEP Rocky Mountain LLC | 1058 County Road 215 | PO Box 370, Parachute, CO 81635  
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**From:** Katz - DNR, Aaron <[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us)>

**Sent:** Wednesday, February 17, 2021 7:59 AM

**To:** Lynn Cass <[LCass@terraep.com](mailto:LCass@terraep.com)>

**Subject:** Re: FW: [EXTERNAL] Well Design Change Request - RG 41-18-297 Pad

Thank you Lynn for sending over this information. I will review it with Craig and get back to you later today.

What did the BLM say in your meeting with them and what are there COA's for cement coverage? Are they going to require a CBL? Thank you for your help through this process.

Regards,

Aaron Katz

Northwest Area Engineer



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On Tue, Feb 16, 2021 at 4:33 PM Lynn Cass <[LCass@terraep.com](mailto:LCass@terraep.com)> wrote:

Aaron, Can I get a verbal on this until I can get all everything papered up?

Per our discussion today TEP's requests a verbal approval for a three string contingency well design change for the last 11 wells on the RG 41-18-297 pad. This email and your reply would serve as a verbal approval.

No changes to the Production hole section.

Revised well bore diagram attached.

Hole design:

Surface hole size 17.5" to ~1400' MD and approx. 200' above Dissolution Surface.

Surface casing – 13.375", J-55, BTC, 54.5#

Intermediate hole size – 12.25" to TD 500' into the Wasatch same as permitted.

Intermediate casing – 9.625", J-55, LTC, 36# is the same specs as permitted.

Cement design:

Surface Casing – 12.3# Single stage slurry with 40% excess

Intermediate – Single stage slurry

12.3# Lead with TOC ~500' MD above the Wasatch with 50% excess.

12.8# Tail from TD to 500' above float shoe.

Well and API# for the proposal change on 11 wells.

RG 42-18	05-103-12460-00
RG 342-18	103-12462
RG 344-7	103-12463
RG 443-7	103-12464
RG 544-7	103-12466
RG 543-7	103-12467
RG 341-18	103-12470
RG 44-7	103-12471
RG 541-18	103-12472
RG 542-18	103-12473
RG 343-18	103-12474

I want to thank you guys again for working with TEP on this revision. Please reach out to any one of us with questions or if we have missed anything.

Regards,

**L. Cass** | Drilling | TEP Rocky Mountain LLC | 1058 County Road 215 | PO Box 370, Parachute, CO 81635  
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