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**FW: [!] Re: 045-24589 Kelton #WGV 513-27-697**

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**From** Cole Walton <cole.walton@flywheelenergy.com>

**Date** Fri 11/21/2025 2:12 PM

**To** Jeff Kirtland <jeff.kirtland@flywheelenergy.com>

**Cc** Kyle Kohl <Kyle.Kohl@flywheelenergy.com>

 1 attachment (355 KB)

TEP Offset.pptx;

Jeff,

The ECMC agreed to allowing us to continue operations on the Arco Deep WGV 513-27. We need to submit a Form 4 sundry.

Comments around the 513 are as follows:

WGV 513-27-697

Ohio Creek – 5,771'

TOC ~6,900'

Alt Top Perf ~7,101

This well was identified as having a low top of cement after the CBL run that did not provide cement coverage as required in the COA. Cause of the low TOC is not known with certainty but is likely due to cement fall back and contamination from the formation. We will therefore reduce the top perf interval and not complete within 200' of the top of cement on the well. During fracture operations on the pad, we will monitor the bradenhead pressure on the WGV 513-27 for any potential communication from offset fractures. If we see communication during frac, we will shut down operations and notify the state to discuss any go forward actions.

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**From:** Curtis Haverkamp <curtis.haverkamp@state.co.us>

**Sent:** Friday, November 21, 2025 12:18 PM

**To:** Cole Walton <cole.walton@flywheelenergy.com>

**Cc:** Aaron Katz - DNR <aaron.katz@state.co.us>; Diana Burn - DNR <diana.burn@state.co.us>

**Subject:** Re: [!] Re: 045-24589 Kelton #WGV 513-27-697

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Cole,

As a follow up from our meeting, please file a form 4 sundry on the subject named well, summarizing the condition.

We will apply the COA discussed with the expectation that stimulation is stopped if communication is seen during stimulation.

Our offset well mitigation policy is available here:

<https://ecmc.state.co.us/documents/reg/OpGuidance/Offset%20Well%20Evaluation%20and%20Hydraulic%20Fracturing%20Guidance.pdf>

Thanks,  
Curtis Haverkamp, PE  
Western Engineering Supervisor



**COLORADO**  
Energy & Carbon Management  
Commission  
Department of Natural Resources

Cell Phone: 720.786.5560  
[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)

On Tue, Nov 18, 2025 at 4:32 PM Cole Walton <[cole.walton@flywheelenergy.com](mailto:cole.walton@flywheelenergy.com)> wrote:

We would not reduce the frac interval on the other wells on the pad. We would monitor the braden head and verify we do not see any communication from the offsets.

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**From:** Curtis Haverkamp <[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)>  
**Sent:** Tuesday, November 18, 2025 3:38 PM  
**To:** Cole Walton <[cole.walton@flywheelenergy.com](mailto:cole.walton@flywheelenergy.com)>  
**Cc:** Aaron Katz - DNR <[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us)>; Diana Burn - DNR <[diana.burn@state.co.us](mailto:diana.burn@state.co.us)>  
**Subject:** [!] Re: 045-24589 Kelton #WGV 513-27-697

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Believe I jumbled the second sentence.  
The rule specifies 500', and the COA should have reflected that.

Thanks,  
Curtis Haverkamp, PE  
Western Engineering Supervisor



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Energy & Carbon Management  
Commission  
Department of Natural Resources

Cell Phone: 720.786.5560  
[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)

On Tue, Nov 18, 2025 at 3:22 PM Curtis Haverkamp <[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)> wrote:

Apologies, based on the email subject, I thought we were talking about 045-06510 ARCO DEEP #1-27 (1987 vintage)  
For 045-24589 Kelton #WGV 513-27-697, permitted in 2023, rule 408.j should specifies 500' above the shallowest producing horizon,

- j. **Production Casing Cementing.**
- (1) The Operator will ensure that all cement required under this Rule 408 placed behind production casing achieves a minimum compressive strength of at least 300 psi after 24 hours and of at least 800 psi after 72 hours both measured at 800 psi at either 95° Fahrenheit or at the minimum expected downhole temperature.
  - (2) After thorough circulation of a wellbore as required by Rule 408.h, the Operator will pump cement behind the production casing to the shallower of: 500 feet above the top of the shallowest uncovered known producing horizon, isolation of specific geologic intervals specified in the permit, or isolation of any other zone as required by Rule 408.e.

With a top of cement ~6934' that leaves quite a bit of Ohio Creek open to offset fracs as well - Are you reducing the frac for all wells on the pad?

Thanks,  
**Curtis Haverkamp, PE**  
**Western Engineering Supervisor**



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Cell Phone: 720.786.5560  
[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)

On Tue, Nov 18, 2025 at 2:29 PM Cole Walton <[cole.walton@flywheelenergy.com](mailto:cole.walton@flywheelenergy.com)> wrote:

Curtis,  
Here is the CBL for the 4.5" production casing. The surface 9-5/8" casing does not have a CBL, but was set at 3,072' and cemented to surface.

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**From:** Curtis Haverkamp <[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)>

**Sent:** Tuesday, November 18, 2025 9:50 AM

**To:** Cole Walton <[cole.walton@flywheelenergy.com](mailto:cole.walton@flywheelenergy.com)>

**Cc:** Aaron Katz - DNR <[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us)>

**Subject:** [!] Re: FW: Arco Deep 1-27 low TOC

DANGER!: This external sender has not been verified

Hi Cole,

Looking at our well files, I do not see cement bond logs on file for either the 5-1/2 or 9-5/8 casing.

Can you send those over?

Thanks,  
**Curtis Haverkamp, PE**  
**Western Engineering Supervisor**

Cell Phone: 720.786.5560  
[curtis.haverkamp@state.co.us](mailto:curtis.haverkamp@state.co.us)

On Tue, Nov 18, 2025 at 9:31 AM Cole Walton <[cole.walton@flywheelenergy.com](mailto:cole.walton@flywheelenergy.com)> wrote:

Curtis,  
Since Aaron is out of town, I am following up with you to seek your approval and feedback on the well I have listed below. Please let me know if you need additional information and we can also have a phone call.

Cole Walton  
Dir. Dev Ops  
720-656-8747

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**From:** Cole Walton  
**Sent:** Tuesday, November 18, 2025 9:26 AM  
**To:** Aaron Katz - DNR <[aaron.katz@state.co.us](mailto:aaron.katz@state.co.us)>  
**Cc:** Kyle Kohl <[Kyle.Kohl@flywheelenergy.com](mailto:Kyle.Kohl@flywheelenergy.com)>  
**Subject:** Arco Deep 1-27 low TOC

Aaron,

I am following up my voicemail last week with an email on the low TOC we have on the WGV 513-27. We are requesting permission and looking for feedback to complete this well with the top perf 200' below the TOC. COA lists cement be raised to above the Mesa Verde group. The well passed pressure test, and we would rather leave the wellbore integrity and reduce the pay interval than to perforate holes in the casing for a higher cement top. Please let me know.

WGV 513-27-697  
Ideal Top Perf - 6,704'  
Ohio Creek – 5,771'  
TOC ~6,900'  
Alt Top Perf ~7,101 (assuming ECMC allows)

Cole Walton  
Dir. Dev Ops  
720-656-8747