

Brian Stanley

From: McFarland - DNR, Nick <nick.mcfarland@state.co.us>
Sent: Friday, September 24, 2021 8:17 AM
To: Brian Stanley
Cc: Curtis Haverkamp - DNR
Subject: [External]:Re: [External]:Re: [External]:Re: FW: Lauck #1 2500' Plug height

If you've tagged at 700', you're good to go, no need to tag again. You must tag the 224' plug at 124' or higher though.

On Thu, Sep 23, 2021 at 4:07 PM Brian Stanley <BStanley@verdadresources.com> wrote:

Nick... we're doing it again....

Pumped 31bbls of cement for the Fox Hills plug from 850 to 650. We based it off the assumed bore from the prior tag of 10.5" bore, then added 50% excess. Turns out this has some SERIOUS washout, and we tagged that monstrosity at 700'. Calculates out to 14.5" bore. We're planning to pump a 100' plug with an assumed 14.5" bore for a total of 20.5 bbls to top off in the AM. Are we good to skip tagging this thing after another monster top off?

Trying to avoid messing around in this thing too much more, it's starting to deteriorate fast and all of the freshwater displacements aren't helping.

From: McFarland - DNR, Nick <nick.mcfarland@state.co.us>
Sent: Thursday, September 23, 2021 9:43 AM
To: Brian Stanley <BStanley@VerdadResources.com>
Subject: [External]:Re: [External]:Re: FW: Lauck #1 2500' Plug height

That's fine, no need to tag this one.

On Thu, Sep 23, 2021 at 9:21 AM Brian Stanley <BStanley@verdadresources.com> wrote:

Nick,

We're planning on pumping another 12 bbls on top of this one. You good with us skipping tagging this one? 120' worth of cement to make up 18' on top of tagged cement seems like a safe assumption in my mind.

Thanks,

Brian Stanley

435-640-6426

On Sep 22, 2021, at 4:49 PM, McFarland - DNR, Nick <nick.mcfarland@state.co.us> wrote:

Brian, let's get the last 18' so we meet the 100' standard.

On Wed, Sep 22, 2021 at 4:27 PM Brian Stanley <BStanley@verdadresources.com> wrote:

Nick,

Have a look below. Are we good to proceed with this or would you like more cement?

Thanks,

Brian Stanley

435-640-6426

From: Brian Stanley
Sent: Wednesday, September 22, 2021 4:22 PM
To: Curtis Haverkamp <curtis.haverkamp@state.co.us>
Subject: Lauck #1 2500' Plug height

Curtis,

We pumped our 2500' plug on the Lauck #1 (05-123-05052) yesterday afternoon, we pumped 12bbls/58sx and tagged it this AM at 2472', so it fell back a good ways. We pumped another 12bbls on top of that plug this morning and just tagged it at 2418'. You good with that or want us to top it up that last 18'? We have cementers standing by so hopeful for a quick answer.

Thanks,

Brian Stanley

Sr. Completions Engineer

435-640-6426

<image001.jpg>

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Nick McFarland

Central Area Engineer



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