

**From:** Wolfe - DNR, Stephen <stephen.wolfe@state.co.us>  
**Sent:** Sunday, September 26, 2021 1:22 PM  
**To:** sb@s-companies.com  
**Cc:** Joe Richardson  
**Subject:** Re: Update and Request - HD Lauer Estate #1 API 05-123-05404

Sam,

Given the hole conditions and in the interest of protecting the water you can go ahead and cement at 1600' if things do not improve.

Thanks,  
Steve

On Sun, Sep 26, 2021 at 10:53 AM <[sb@s-companies.com](mailto:sb@s-companies.com)> wrote:

Stephen – I wanted to give you an update on this one. The daily report is attached along with the plugging orders and WBD's that tie to the plugging orders.

Update – We have spent about 48 hours of rig time drilling this down. We Can't seem to get past about 1,495' (just past the base of the Upper Pierre). We have done a couple bit trips, first time bit was a little balled up with dehydrated drilling mud (not to bad) and last trip the bit was worn... it is almost like we found a fish at 1,500' but will know more later today. The concern is that on the last trip (current operation) we have had a ton of trouble getting back through the base of the Pierre at 680'. I'm worried that next trip we may not be able to get past 680' at all. We do have a full blown mud system out there and a mud man and we even have been bringing the mud loggers from the big rig out to take periodic looks.

Request – I would like to spend the rest of daylight getting back down to 1,495' and drill some more to find out if the base of the Upper Pierre is similar to the Base of the Pierre at 680' where we will make our way through it and continue our way to bottom or if there is a fish or something down there that we can not get through. If we can not get past 1,500' I would like to just cement this sucker to surface (probably in two "stages" from 1500' to 500', slowly pull up to 500' then from 500' to surface and top off as necessary). If we can get past 1,500' I would like to continue as long as I can then cement our way out... probably fill the entire thing. I am worried if we come out and have to go back in past the tight spot at 680' we may not make it back in again.

Thoughts on this? I would request an answer by 18:00 today and I will shoot you a text now so you have heads up.

Thanks,

**Sam Bradley**

**VP Petroleum Engineering**

**Summit Companies**

*Summit Financial*

*Summit Energy Research*

*Schneider Summit Services*

**(C): 970.593.8626**

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Stephen Wolfe

303-894-2100 x5187 (o)

303-882-0224 (c) Working from home