

## Ariana Solis

---

**From:** Diana Burn - DNR <[diana.burn@state.co.us](mailto:diana.burn@state.co.us)>  
**Sent:** Monday, November 12, 2018 1:34 PM  
**To:** Elizabeth Kane <[ekane@bisonog.com](mailto:ekane@bisonog.com)>  
**Cc:** Abigail Wenk <[AWenk@bisonog.com](mailto:AWenk@bisonog.com)>; Dirk Sutphin - DNR <[dirk.sutphin@state.co.us](mailto:dirk.sutphin@state.co.us)>  
**Subject:** RE: Offset Well Re-Entry 123-09375

Please proceed as proposed.

Thanks,  
Diana

---

**From:** Elizabeth Kane [mailto:[ekane@bisonog.com](mailto:ekane@bisonog.com)]  
**Sent:** Monday, November 12, 2018 1:19 PM  
**To:** Diana Burn - DNR  
**Cc:** Abigail Wenk  
**Subject:** FW: Offset Well Re-Entry

Hi Diana,

We are having trouble maintaining circulation on the re-entry/re-plugging of an offset well – Butler Federal 1-20 (05-123-09375). Please see below for details. I have also attached the current and proposed wellbore diagram for reference. Looking at offset logs, it appears that the sandy/water zone of the Pierre shale ends around 1500', so I feel that a plug (with a tag to confirm TOC) at 3750' will protect all water zones. Please let me know at your earliest convenience if the proposed change to the P&A is acceptable or if you have any questions.

Thank you,



**Elizabeth Kane**  
Senior Production Engineer  
P: 720.644.6997 ext. 6-1  
C: 918.914.9895  
F: 303.974.1767  
[ekane@bisonog.com](mailto:ekane@bisonog.com)

---

**From:** Elizabeth Kane  
**Sent:** Monday, November 12, 2018 8:50 AM  
**To:** 'Sutphin - DNR, Dirk' <[dirk.sutphin@state.co.us](mailto:dirk.sutphin@state.co.us)>  
**Subject:** Offset Well Re-Entry

Good morning, Dirk,

I just left you a voicemail, but realized I forgot to give you the well name we are working on. The well is the Butler Federal 1-20 (05-123-09375), and we are having issues maintaining circulation. We were able to pump LCM and get circulation back once (at about 2100'), then lost it again about 1600' later. We are getting ready to pump another LCM pill, but if that doesn't get circulation back or if we lose it again after that, I would like to go ahead and plug the well at that depth. Currently, we are at ~3780'. I would propose to pump a 300' plug at 3750' (or deeper if we are able to get circulation again), wait for it to set and tag, then come up to 550' and pump the surface plug as planned in the original Form 6.

Please let me know if this plan is acceptable. Thank you.



**Elizabeth Kane**

Senior Production Engineer

P: 720.644.6997 ext. 6-1

C: 918.914.9895

F: 303.974.1767

[ekane@bisonog.com](mailto:ekane@bisonog.com)