

## Kaleb Roush

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**From:** Diana Burn - DNR <diana.burn@state.co.us>  
**Sent:** Thursday, May 21, 2015 3:51 PM  
**To:** Ty Entenmann  
**Cc:** Kaleb Roush; Steve Jenkins - DNR; Barbara Westerdale - DNR; Jason Kosola - DNR  
**Subject:** RE: DT-Habitat C4-5-6 sidetrack 123-41027

Please proceed as proposed.

Thanks,  
Diana

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**From:** Ty Entenmann [mailto:[ntenmann@extractionog.com](mailto:ntenmann@extractionog.com)]  
**Sent:** Wednesday, May 20, 2015 10:27 AM  
**To:** Diana Burn - DNR  
**Cc:** Kaleb Roush  
**Subject:** DT-Habitat C4-5-6

Diana,

We are cementing the tools in the ground on the DT Habitat C4-5-6 as discussed with you previously. The plan is to execute the approved abandon procedure and continue as follows:

We will set a whipstock at 6900' and kick off there, this will have us re-drilling a portion of the curve but the sharron springs is still behind pipe, so shouldn't have issues there. Once the curve is complete we will drill the well to completion. We will maintain a safe distance from the fish until we have cleared it and then slowly work our way back to the original BHL.

### Well Details:

Total MD drilled to: 14853'

Surface casing – 9 5/8" 36# set at 1042'.

Intermediate casing – 7" 26# set at 7755'.

Fish in the hole is 2759' in length. Bottom sitting at 10815', top of fish at 8056'.

Proposed sidetrack point – approx. 6900' using a cased hole whipstock.

Objective formation of sidetrack: Codell

Proposed BHL: 2179 FNL 460 FEL Sec 6, T5N, R65W (Same as original APD). Will drill about 8' above and 30' to the North of existing wellbore until we pass the fish then slowly head back to original BHL.

### Cementing tool in place: Approved plan

1. Pump 95 sacks of conventional 15.80# cement (which equates to 540'), this will be spotted on top of the fish @ 8056'
2. Next we will set a Cast Iron Bridge plug at approx. 7500'
3. We will pump 95 sacks of 15.80# Halliburton Red Cement (again 540'), this will be spotted on top of the bridge plug bringing top of cement to approx. 6960'
4. Last we will set a whipstock on top of the red cement (approx. 6960') and drill out of the 7" casing from there to complete the well.
5. The mounting of a permanent identification plaque will be installed on the wellhead, as well as a written procedure and report (Per 16.25.3.3) will be submitted within 30 days of completing the well.

If there is anything else you need from please let me know.

Thanks Diana,



**Ty Entenmann**

*Drilling Engineer*

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