

**From:** Diana Burn - DNR [mailto:diana.burn@state.co.us]  
**Sent:** Thursday, September 15, 2016 7:29 AM  
**To:** Ty Entenmann <tentenmann@extractionog.com>  
**Cc:** Kamrin Ruder <kruder@extractionog.com>; Barbara Westerdale - DNR <barbara.westerdale@state.co.us>; Penny Garrison - DNR <penny.garrison@state.co.us>; Mike Hickey - DNR <michael.hickey@state.co.us>  
**Subject:** RE: Winder South 5 Sidetrack

Please proceed as proposed.

Thanks,  
Diana

**From:** Ty Entenmann [mailto:[tentenmann@extractionog.com](mailto:tentenmann@extractionog.com)]  
**Sent:** Thursday, September 15, 2016 3:22 AM  
**To:** Diana Burn - DNR  
**Cc:** Kamrin Ruder  
**Subject:** Winder South 5 Sidetrack

Diana-

We had issues on the Winder 5 with Carlisle exposure. Once again, targets were dictated by the well to the north we just drilled. We exposed the Carlisle and things looked good so we drilled another 1500'. However we tripped for a BHA change and when we got back to in the hole, the Carlisle had sloughed and we haven't had great success cleaning it up or getting through it without the hole grabbing us.

With your permission, we would like to pull back to 11,033' and sidetrack this will allow us to change our targets and stay in zone avoiding the shale.

API # - 05-123-43407

Total MD Drilled – 15,769'

Surface Casing – 9-5/8" 36# set at 1558'

Proposed Fish – None

Open hole sidetrack plan: Side track at 11,033' and change targets to avoid Carlisle

Depth of Sidetrack- 11,033' MD

Objective formation of sidetrack – Codell (same as APD)

Proposed BHL – Sec 8 – TWP 6N 67W 1870 FSL 460 FWL (same as approved sundry)



**Ty Entenmann**

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