

## Kaleb Roush

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**From:** Diana Burn - DNR <diana.burn@state.co.us>  
**Sent:** Monday, December 21, 2015 10:11 AM  
**To:** Ty Entenmann  
**Cc:** Kaleb Roush; Diane McCoy - DNR; Barbara Westerdale - DNR; Penny Garrison - DNR  
**Subject:** RE: Open hole sidetrack

Please proceed as proposed.

Thanks,  
Diana

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**From:** Ty Entenmann [mailto:[tyentenmann@extractionog.com](mailto:tyentenmann@extractionog.com)]  
**Sent:** Monday, December 21, 2015 8:58 AM  
**To:** Diana Burn - DNR  
**Cc:** Kaleb Roush  
**Subject:** Open hole sidetrack

Diana,

We are having trouble on the Fairview #11, we hit a fault in the lateral that threw us 60' also we changed our MWD company, the first gamma tool we put in the hole we had calibrated to our previous tools and company, we didn't catch the throw until we logged to bottom with the 2<sup>nd</sup> tool (logged to bottom because of uncertainty with new tools). This caused us to drill the top of the fort hays for the last 1000'. We drilled the well offset by 200' and didn't see this throw at all.

With your permission we would like to pull back to 9974' where our inclination in the lateral is 90.28 degrees. This will allow us to sidetrack effectively without the need for a cement plug, we would then proceed to drill at 87 degrees to get back to zone.

API Number - 051234152400

Total MD drilled to: 11308'

Surface casing – 9 5/8" 36# set at 1543'.

No fish in hole

The plan would be to open hole sidetrack

Proposed sidetrack point – 9974' (90.28 degrees)

Objective formation of sidetrack: Codell

Proposed BHL: 1980 FSL 2200 FWL Sec 4, T2N, R68W (Same as original APD).



**Ty Entenmann**

*Drilling Engineer*

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