

## Hirtler, Christina

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**From:** Diana Burn - DNR <diana.burn@state.co.us>  
**Sent:** Sunday, August 29, 2021 6:04 PM  
**To:** Fryar, Bill; Diane McCoy - DNR  
**Cc:** Newville, Toni; Hirtler, Christina; Rhodes, Ryan; Honas, Kris; Crowder, David; Bodner, Anthony; Acks - DNR, Alex; Penny Garrison - DNR; Nick McFarland - DNR  
**Subject:** [EXTERNAL] RE: Approval for Shake 11-11HZ Sidetrack 123-51409

**WARNING - This message is from an EXTERNAL SENDER - be CAUTIOUS, particularly with links and attachments.**

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Please proceed as proposed, once submitted, please send the Doc. # for the APD to Alex Acks.

Thanks,  
Diana

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**From:** Fryar, Bill <[William\\_Fryar@oxy.com](mailto:William_Fryar@oxy.com)>  
**Sent:** Sunday, August 29, 2021 2:29 PM  
**To:** Diane McCoy - DNR <[diane.mccoy@state.co.us](mailto:diane.mccoy@state.co.us)>; Diana Burn - DNR <[diana.burn@state.co.us](mailto:diana.burn@state.co.us)>  
**Cc:** Newville, Toni <[Toni\\_Newville@oxy.com](mailto:Toni_Newville@oxy.com)>; Hirtler, Christina <[Christina\\_Hirtler@oxy.com](mailto:Christina_Hirtler@oxy.com)>; Rhodes, Ryan <[Ryan\\_Rhodes@oxy.com](mailto:Ryan_Rhodes@oxy.com)>; Honas, Kris <[Kristopher\\_Honas@oxy.com](mailto:Kristopher_Honas@oxy.com)>; Crowder, David <[David\\_Crowder@oxy.com](mailto:David_Crowder@oxy.com)>; Bodner, Anthony <[Anthony\\_Bodner@oxy.com](mailto:Anthony_Bodner@oxy.com)>  
**Subject:** FW: Approval for Shake 11-11HZ Sidetrack

Diana and Diane,  
Please see sidetrack information in the email below.  
Thank you,

### Bill Fryar

**Regulatory Engineer - Compliance**

Office: 720-929-3733 | Cell: 225-505-0259

[Bill\\_Fryar@oxy.com](mailto:Bill_Fryar@oxy.com)



**Occidental**

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**From:** Bodner, Anthony <[Anthony\\_Bodner@oxy.com](mailto:Anthony_Bodner@oxy.com)>  
**Sent:** Sunday, August 29, 2021 1:55 PM  
**To:** Rhodes, Ryan <[Ryan\\_Rhodes@oxy.com](mailto:Ryan_Rhodes@oxy.com)>  
**Cc:** Rhodes, Ryan <[Ryan\\_Rhodes@oxy.com](mailto:Ryan_Rhodes@oxy.com)>; Newville, Toni <[Toni\\_Newville@oxy.com](mailto:Toni_Newville@oxy.com)>; Fryar, Bill <[William\\_Fryar@oxy.com](mailto:William_Fryar@oxy.com)>; Hirtler, Christina <[Christina\\_Hirtler@oxy.com](mailto:Christina_Hirtler@oxy.com)>; Honas, Kris <[Kristopher\\_Honas@oxy.com](mailto:Kristopher_Honas@oxy.com)>; Crowder, David <[David\\_Crowder@oxy.com](mailto:David_Crowder@oxy.com)>  
**Subject:** Approval for Shake 11-11HZ Sidetrack

Diana and Diane,

Attached is the wellbore diagram for the openhole sidetrack.

Well name and API

- Shake 11-11HZ
- 05-123-51409

Explanation of situation and why we need to sidetrack

- Formation: Nio A
- Lateral Category: two section lateral
- While drilling ahead 10,147' MD we crossed a downthrown fault that resulted in 558' of Sharon Springs exposure. The plan is to pullback and sidetrack at a depth of 9470' MD to avoid the Sharon Springs and any associated operational issues as we continue to drill to TD.

Total MD Reached: (RKB of 20')

- 11945' MD
- 6859' TVD

Casing Sizes set at MD

- Conductor set at 80' MD (using GL)
- 9 5/8" Surface casing 1903' MD (using KB)

Measured Depth and TVD of open hole sidetrack point

- 9470' MD
- 6834' TVD

Proposed target formation of sidetrack hole if different than permitted

- Same target formation as permit wellplan

Bottom hole location of sidetrack hole

- Same BHL as permit wellplan

Wellbore diagram

- See attached

Thank you,

**Anthony Bodner**

**Rockies Drilling Engineering**

**Office: 720.929.3036**

**Cell: 720.703.0275**

