

Hirtler, Christina

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.

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

Thanks,
Diana

From: Fryar, Bill <William_Fryar@oxy.com>
Sent: Sunday, August 29, 2021 2:29 PM
To: Diane McCoy - DNR <diane.mccoy@state.co.us>; Diana Burn - DNR <diana.burn@state.co.us>
Cc: Newville, Toni <Toni_Newville@oxy.com>; Hirtler, Christina <Christina_Hirtler@oxy.com>; Rhodes, Ryan <Ryan_Rhodes@oxy.com>; Honas, Kris <Kristopher_Honas@oxy.com>; Crowder, David <David_Crowder@oxy.com>; Bodner, Anthony <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



Occidental

From: Bodner, Anthony <Anthony_Bodner@oxy.com>
Sent: Sunday, August 29, 2021 1:55 PM
To: Rhodes, Ryan <Ryan_Rhodes@oxy.com>
Cc: Rhodes, Ryan <Ryan_Rhodes@oxy.com>; Newville, Toni <Toni_Newville@oxy.com>; Fryar, Bill <William_Fryar@oxy.com>; Hirtler, Christina <Christina_Hirtler@oxy.com>; Honas, Kris <Kristopher_Honas@oxy.com>; Crowder, David <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

