From:	Diana Burn - DNR
To:	Zachary_Haynes@oxy.com
Cc:	Kristopher_Honas@oxy.com; Ryan_Smith3@oxy.com; Carly_Ristich@oxy.com; Alexander_Duncan@oxy.com; Daniel_Salamander@oxy.com; Stephanie_Kolle@oxy.com; Andrew_Oursland@oxy.com; Crystal_McClain@oxy.com; David_Crowder@oxy.com; Jonathan_Schwing@oxy.com; Toni_Newville@oxy.com; Alex Acks - DNR; Penny Garrison - DNR; Diane McCoy - DNR; McFarland - DNR, Nick
Subject:	[EXTERNAL] RE: Verbal Approval for Windsock 21-4HZ Sidetrack
Date:	Thursday, January 30, 2020 12:37:22 PM
Attachments:	image001.png

Please proceed as proposed. The uploaded PD Doc # should be sent to Alex Acks when ready.

Thanks,
Diana

From: Zachary_Haynes@oxy.com <Zachary_Haynes@oxy.com>
Sent: Thursday, January 30, 2020 10:37 AM
To: 'Diana Burn - DNR' <diana.burn@state.co.us>
Cc: Kristopher_Honas@oxy.com; Ryan_Smith3@oxy.com; Carly_Ristich@oxy.com; Alexander_Duncan@oxy.com; Daniel_Salamander@oxy.com; Stephanie_Kolle@oxy.com; Andrew_Oursland@oxy.com; Crystal_McClain@oxy.com; David_Crowder@oxy.com; Jonathan_Schwing@oxy.com; Toni_Newville@oxy.com
Subject: Verbal Approval for Windsock 21-4HZ Sidetrack

Diana,

Attached is the well bore diagram as well as the finalized plan for sidetrack.

Well name and API
- Windsock 21-4HZ
- 05-123-50632

Explanation of situation and why we need to sidetrack
- Formation: Nio B
- Lateral Category: Two section lateral.
- We reached a MD of 18,491'. While running casing a tight spot was encountered. In an attempt to get casing to TD the casing became stuck. While attempting to pull casing out of the hole to perform a cleanout run the casing parted. Leaving casing downhole. Casing was cut in the curve and an openhole sidetrack is required to redrill the lateral.

Total MD Reached: (Using KB of 20')
- 18,491' MD
- 7,815' TVD

Casing Sizes set and MD
- 16" conductor casing set at 80 ft. (using GL)
- 9.625" surface casing set at 1,887' MD (Using KB)

Explanation of fish
- 5.5" casing parted downhole, cut casing in curve and retrieved casing from vertical part of hole to allow for sidetrack.

Measured Depth of Top and Bottom of Fish Left in hole (Using KB of 20')
- Top of fish

    - 8,104’ MD
- Bottom of fish
    - 17,547’ MD

Measured Depth and TVD of open hole sidetrack point (Using KB of 20’)

- 7,655’ MD
- 7,432’ TVD

Proposed target formation of sidetrack hole if different than permitted

- Same well plan as permit

BHL of sidetrack hole

- Same well plan as permit

Wellbore diagram

- See attached

Thank you,

Zach Haynes
Senior Drilling Engineer, Rockies
Occidental Petroleum Corporation
Mobile: 614-832-6675
Office: 720-929-6272
Zach_Haynes@oxy.com