

From: Diana Burn - DNR <diana.burn@state.co.us>
Date: September 19, 2017 at 7:45:36 PM MDT
To: Joe Ahlgrim <jahlgrim@extractionog.com>
Cc: Penny Garrison - DNR <penny.garrison@state.co.us>, Barbara Westerdale - DNR <barbara.westerdale@state.co.us>, Stephen Wolfe - DNR <stephen.wolfe@state.co.us>
Subject: RE: Leonard 5C - Sidetrack Notice

Please proceed as proposed.

Thanks,
Diana

-----Original Message-----

From: Joe Ahlgrim [<mailto:jahlgrim@extractionog.com>]
Sent: Tuesday, September 19, 2017 7:21 PM
To: Diana Burn - Dnr
Subject: Leonard 5C - Sidetrack Notice

Diana,

While drilling the curve on Leonard 5C, we believed our targets were coming in higher than expected so our landing target was raised 30'. After landing and drilling ahead we discovered our original target was correct and we had been out of zone the entire lateral. We believed we could pull back and sidetrack quickly to get in zone and stay there the entire lateral. We sidetracked at 8075' and changed targets to stay in zone.

API # - 05-123-4504800
Total MD Drilled – 9,053'
Surface Casing – 9-5/8" 36# set at 1,562'
Proposed Fish – None
Open hole sidetrack plan: Sidetrack at 8,075' and change targets to stay in zone.
Depth of Sidetrack- 8,075' MD
Objective formation of sidetrack – Codell Proposed BHL – Sec 21 – TWP 2N 67W
1580 FSL 460 FEL (same as approved)

Thanks and please call with any questions,