

Melissa Luke

From: Burger - DNR, Craig <craig.burger@state.co.us>
Sent: Tuesday, May 2, 2023 11:44 PM
To: Dustin Childers; Aaron Katz - DNR; Penny Garrison - DNR; Fenton Buchanan - DNR; John Noto - DNR; Shaun Kellerby - DNR; Wayne Smelser - DNR
Cc: Tyler Gillam; Jeff Kirtland; Melissa Luke
Subject: Re: Unplanned Sidetrack WMC 532-19-597 (API # 05-045-24552)

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Dustin,

Verbal approval to proceed is contingent upon the assumption that the BHL and wellbore path remain at a legal location for completion. COGCC Permitting Staff will evaluate prior to formal approval of the forthcoming Form 2, Application for Permit to Drill. If the BHL or the productive portion of the sidetrack wellbore extends into locations that are not legal, then TEP may have to plug back portion(s) of the well that are not legal or obtain waivers from offset mineral interests. Per our conversation, cementing is planned for 2 am tomorrow.

On Tue, May 2, 2023 at 4:11 PM Dustin Childers <dchilders@terraep.com> wrote:

Craig,

Per our conversation, please see the below information regarding the unplanned sidetrack on the WMC 532-19-597 (API # 05-045-24552).

- I. While drilling ahead in 8-3/4" production section at 10,991' the drill string parted at 8,544' in the connection of the 5" 19.5# S135 NC50 drill pipe. After encountering several hole instability events at 6,000' MD during fishing operations, TEP requests to proceed with sidetrack operations per the following details:
- II. Total depth reached in original wellbore: 10,991' MD
- III. Casing Details: 9-5/8" 36# J-55 LTC @ 1,172' MD (only surface casing was set)
- IV. Fish Details:
 - a. TOF: 8,544' MD
 - b. BOF: 10,991' MD
 - c. Description: 8-3/4" PDC bit, Mud Motor, EM Tool, Collars, 5" HWDP, 5" Drill Pipe

- V. Description of Plugs (2 X 500' Plugs) – Proposed plugging of current production section
 - a. Plug #1: 5,500' MD – 5,000' MD / 253 sacks (20% OHXS)
 - b. Plug #2: 4,950' MD – 4,450' MD / 253 sacks (20% OHXS)
- VI. Description of Cement – Proposed plugging of current production section
 - a. Plug #1: 17.0 ppg Class G @ 0.992 cu/sk
 - b. Plug #2: 17.0 ppg Class G @ 0.992 cu/sk
- VII. Depth of proposed sidetrack KOP: 4,740' MD
- VIII. Objective formations will be the same as permitted
- IX. Proposed BHL will be 150' to the north of original BHL for collision avoidance purposes (is legal location that meets 1-229) – See Attached Well Plat

As we discussed, TEP will not be required to submit a Form 6.

Please advise and let us know if you have any questions. Thank you for your assistance.

Thanks,

Dustin

936-524-8828

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