

Light, Cheryl

From: Diana Burn - DNR <diana.burn@state.co.us>
Sent: Tuesday, September 19, 2017 5:42 PM
To: Salamander, Daniel
Cc: Bennett, Nathan; Honas, Kris; Light, Cheryl; Barbara Westerdale - DNR; Penny Garrison - DNR; Stephen Wolfe - DNR
Subject: RE: Marrs State 30N-10HZ - Sidetrack Approval

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Please proceed as proposed.

Thanks,
Diana

From: Salamander, Daniel [mailto:Daniel.Salamander@anadarko.com]
Sent: Tuesday, September 19, 2017 5:10 PM
To: Diana Burn - DNR
Cc: Bennett, Nathan; Honas, Kris; Light, Cheryl
Subject: Marrs State 30N-10HZ - Sidetrack Approval

Good Afternoon, Diana –

Please see below, and contact me if you have any questions.

Well name and API

- Marrs State 30N-10HZ
- 05-123-44783

Explanation of situation and why we need to sidetrack

- Formation: Nio C
- Lateral Category: 1.5 Section Lateral
- We could not get adequate build rates to land the curve in our target formation. We will set a cement kick off plug back to ~600 ft above our original kick off point and then re-drill the curve.

Total Measured Depth Reached

- 7,518' MD
- 7,360' TVD

Casing Sizes set and MD

- 16" conductor casing set at 112 ft.
- 9.625" surface casing set at 1,860 ft. MD

Type of cement (if necessary)

- 17 ppg kick off plug will extend from 6218' to 7018' MD (GRANITECEM system by Halliburton)
 - 360 sacks
- 15.8 ppg isolation plug will extend from 7018' to 7518' MD (PLUGCEM system by Halliburton)
 - 150 sacks

- Plug slurries and placement will be provided by Halliburton

Measured Depth and TVD of open hole sidetrack point

- 6,756 ft. MD
- 6,652 ft. 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

Thanks,

Daniel Salamander
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