

Light, Cheryl

From: Diana Burn - DNR <diana.burn@state.co.us>
Sent: Wednesday, January 07, 2015 10:09 AM
To: Peterson, Brian
Cc: Sollee, Michael; Light, Cheryl; Mark Schlagenhauf - DNR; Barbara Westerdale - DNR; Penny Garrison - DNR
Subject: RE: Approval Needed for Open Hole Sidetrack - Kerr 28N-12HZ - 0512338982

Please proceed as proposed.

Thanks,
Diana

From: Peterson, Brian [mailto:Brian.Peterson@anadarko.com]
Sent: Wednesday, January 07, 2015 9:49 AM
To: Diana Burn - DNR
Subject: RE: Approval Needed for Open Hole Sidetrack - Kerr 28N-12HZ - 0512338982

Diana, I'm unsure as to what information you are requesting. I've copied and pasted the email from our regulatory group that outlines what you request in situations like this and answered them below. Is that what you're wanted to see? Sorry for any confusion.

- a. Well name and API
 - **Well Name:** Kerr 28N-12HZ"X"
 - **API:** 05-123-38982
- b. Explanation of situation and why you need to sidetrack
 - While drilling 6.125" lateral section at 12,807' MD we had a spike in gamma ray indicating potential Sharon Springs exposure. This high GR reading continued until 13,202' MD for a total Sharon Springs exposure of 395'. We continued drilling to a total open hole depth of 14,112' (7204' TVD) until torque became unmanageable. After attempts to ream back through the Sharon Springs and clean up the hole, the well started packing off and we were at our maximum torque limits. The Sharon Springs was falling apart.
- c. Total measured depth reached (also have TVD)
 - 14,112' (7227' TVD)
- d. Casing sizes set and measured depth
 - 7" set at 7638' MD
- e. Description of fish-including top and bottom
 - No fish
- f. Type of cement you will be using including weight, yield, and sacks. If an openhole sidetrack make that point clear
 - No cement
- g. Measured depth and TVD of sidetrack point
 - 11,039' MD (7227' TVD)

- h. Proposed target formation of sidetrack hole if different than permitted
 - Same as permitted
- i. BHL of sidetrack hole. Note if this is a change from permit
 - BHL unchanged 460' FNL, 2479' FWL SEC 12
- j. A hand drawing of wellbore including where cement will be, fish is, and sidetrack will be

