

Light, Cheryl

From: Sollee, Michael
Sent: Tuesday, February 03, 2015 6:28 PM
To: Light, Cheryl; Beale, Ila; Hesseltine, Kayla
Subject: Fwd: Notification of Potential Open Hole Sidetrack - Copperhead 27N-15HZ

FYI

Michael Sollee

Begin forwarded message:

From: Diana Burn - DNR <diana.burn@state.co.us>
Date: February 3, 2015 at 6:20:12 PM MST
To: "Crowder, David" <David.Crowder@anadarko.com>
Cc: "Sollee, Michael" <Michael.Sollee@anadarko.com>, Penny Garrison - DNR <penny.garrison@state.co.us>, Mark Schlagenhauf - DNR <mark.schlagenhauf@state.co.us>, Barbara Westerdale - DNR <barbara.westerdale@state.co.us>
Subject: RE: Notification of Potential Open Hole Sidetrack - Copperhead 27N-15HZ

Please proceed as proposed.

Thanks,
Diana

From: Crowder, David [mailto:David.Crowder@anadarko.com]
Sent: Tuesday, February 03, 2015 6:04 PM
To: Diana Burn - DNR
Cc: Sollee, Michael
Subject: RE: Notification of Potential Open Hole Sidetrack - Copperhead 27N-15HZ
Importance: High

Hi Diana,

Below is the updated approval request. Please contact me if you have any questions or concerns.

- a. Well name and API
 - [Copperhead 27N-15HZ](#)
 - [API: 05-123-40562](#)

- b. Explanation of situation and why you need to sidetrack
 - [7" casing string fell to bottom after the box collar parted from the shop end of a casing joint. Noble Casing Crew had picked up the next joint of casing, tied it into the stump, filled the string with active mud, and proceeded to pick up on the elevators. After the Driller picked up just enough to clear the slips, and slips were removed, the casing dropped from the elevators and proceeded to descend down hole. The floor hands made a good effort to throw the slips, but the fall rate was too great. Note: The collar that separated from the pin end was recovered from the elevators.](#)

- c. Total measured depth reached (also have TVD)

- 8,445' MD
- 7,434' TVD

- d. Casing sizes set and measured depth
 - 9-5/8" set at 1,320'

- e. Description of fish-including top and bottom
 - 7" casing (Top = 2,462'; Bottom = 6,637' MD)

- f. Description of cement plugs
 - Kick Off Plug → Set Depth = 2,262' MD, Height = 800', Volume = 59.5 bbls
 - 7" Casing Plug → Set Depth = 6,276' MD, Height = 1,000', Volume = 65 bbls

- g. Type of cement you will be using including weight, yield, and sacks. If an open hole sidetrack make that point clear
 - Kick Off Plug → 17#, Class G, 52 bbls, Yield 0.99 cf/sk
 - 7" Casing Plug → 12.7#, Type III, 65 bbls, Yield 2.11 cf/sk

- h. Measured depth and TVD of sidetrack point
 - 1,652' MD
 - 1,647' TVD

- i. Proposed target formation of sidetrack hole if different than permitted
 - Same as permitted

- j. BHL of sidetrack hole. Note if this is a change from permit
 - BHL unchanged (i.e. 50' FNL, 1087' FEL, Section 25)

Thank you,

David Crowder

Drilling Engineer - Rockies

Anadarko Petroleum Corporation

Office: 720-929-6168 | Cell: 720-936-7002

David.Crowder@anadarko.com

From: Diana Burn - DNR [<mailto:diana.burn@state.co.us>]

Sent: Tuesday, February 03, 2015 2:42 PM

To: Crowder, David

Cc: Sollee, Michael

Subject: RE: Notification of Potential Open Hole Sidetrack - Copperhead 27N-15HZ

We're missing the

Description of proposed plugs: setting measured depths, heights, and cement volumes

Please provide this info with a 'clean' email and we'll get it approved.

Thanks,

Diana

From: Crowder, David [mailto:David.Crowder@anadarko.com]
Sent: Tuesday, February 03, 2015 12:32 PM
To: diana.burn@state.co.us
Cc: Sollee, Michael
Subject: Notification of Potential Open Hole Sidetrack - Copperhead 27N-15HZ

Hello Diana,

This email is in regards to the voicemail I left you yesterday evening.

Xtreme 20 is currently attempting to retrieve their 7" intermediate casing. If the fishing operation is unsuccessful, then we will have to sidetrack the wellbore per the attached schematic. Below is some information that Anadarko has submitted in the past for acquiring approval.

Please let me know if you have any questions or need additional information.

- a. Well name and API
 - [Copperhead 27N-15HZ](#)
 - [API: 05-123-40562](#)
- b. Explanation of situation and why you need to sidetrack
 - [7" casing string fell to bottom after the box collar parted from the shop end of a casing joint. Noble Casing Crew had picked up the next joint of casing, tied it into the stump, filled the string with active mud, and proceeded to pick up on the elevators. After the Driller picked up just enough to clear the slips, and slips were removed, the casing dropped from the elevators and proceeded to descend down hole. The floor hands made a good effort to throw the slips, but the fall rate was too great. Note: The collar that separated from the pin end was recovered from the elevators.](#)
- c. Total measured depth reached (also have TVD)
 - [8,445' MD](#)
 - [7,434' TVD](#)
- d. Casing sizes set and measured depth
 - [9-5/8" set at 1,320'](#)
- e. Description of fish-including top and bottom
 - [7" casing \(Top = 2,462'; Bottom = 6,637' MD\)](#)
- f. Type of cement you will be using including weight, yield, and sacks. If an open hole sidetrack make that point clear
 - [Kick Off Plug → 17#, Class G, 52 bbls, Yield TBD](#)
 - [7" Plug → 12.7#, Type II, 65 bbls, Yield TBD](#)
- g. Measured depth and TVD of sidetrack point
 - [1,652' MD](#)
 - [1,647' 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 (i.e. 50' FNL, 1087' FEL, Section 25)

Thank you,

David Crowder

Drilling Engineer - Rockies

Anadarko Petroleum Corporation

Office: 720-929-6168 | Cell: 720-936-7002

David.Crowder@anadarko.com

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