

Scott Webb

From: Diana Burn - DNR <diana.burn@state.co.us>
Sent: Tuesday, November 26, 2013 4:02 PM
To: Benjamin Betts; Barbara Westerdale - DNR; Dirk Sutphin; Jane Stanczyk - DNR
Cc: Scott Webb; Cole Orley
Subject: RE: RAZOR_27I-2213A - API: 05-123-37956 - Requested Sidetrack

Please proceed as proposed.

Thanks,
Diana

From: Benjamin Betts [mailto:Benjamin.Betts@whiting.com]
Sent: Tuesday, November 26, 2013 3:10 PM
To: Burn, Diana (Diana.Burn@state.co.us)
Cc: Scott Webb; Cole Orley
Subject: RAZOR_27I-2213A – API: 05-123-37956 - Requested Sidetrack

Diana,

Below are the details for the requested sidetrack on the Razor_27I-2213A. With approval we will get the remaining forms submitted ASAP. Please let me know if you require anything else.

RAZOR 27I-2213A – API: 05-123-37956

PROPOSED OR COMPLETED OPERATIONS:

- **EXPLAIN THE SITUATION THAT HAS RESULTED IN THE NEED TO SIDETRACK:**
- DATA COLLECTED BY MWD-GAMMA TOOL AND THE MUD LOG INDICATED THAT WE WOULD LAND OUR CURVE APPROXIMATELY 40' LOW TO OUR TARGET (DUE TO NOT GETTING DESIGNED BUILD RATES). TO GET BACK ON TARGET WE WOULD HAVE DRILL MORE THAN 1000' OF LATERAL WHICH WOULD REDUCE THE OVERALL EFFECTIVE LATERAL LENGTH BY 16% WHICH IS WHY WE OPT TO SIDETRACK. THE INTENT IS TO OPEN HOLE SIDETRACK AT 5100' MD AND COMPLETE THE WELL TO THE ORIGINAL BHL.
- **TOTAL DEPTH REACHED:**
- 5,839' (MD)
- **CASING:**
- **SURFACE CASING:**
- **SIZE:** 9.625" 36PPF J-55 LTC
- **DEPTH:** 1,618'
- **DESCRIPTION OF FISH IN THE HOLE:**
- NO FISH TO REPORT
- **PLUG BACK DEPTHS:**
- PLUG_1 (11/26/13):
- FROM 4500' TO 5700' (NIOBRARA TOP EST AT 5594')
- 510 SXS
- 17PPG (0.99 CUFT/SX)
- SET USING DRILL PIPE @ 5700'
- HOLE SIZE = 8.75"
- **SIDETRACK KICK OFF POINT:**
- 5100' (MD)
- **BHL TARGET FOR SIDETRACK HOLE:**
- (SAME TARGET) 100' FNL AND 1155' FEL S22-T10N-R58W

- **VERBAL APPROVAL TO SIDETRACK:**
- PENDING

Thanks,



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