Kelsi Welch

From: Diana Burn - DNR <diana.burn@state.co.us>
Sent: Wednesday, July 15, 2015 7:59 AM
To: Adam P. Conry; Mark Schlagenhauf - DNR; Penny Garrison - DNR; Barbara Westerdale - DNR
Cc: Steve W. Trippett; John Sinesi; Mike W. Hamilton; Kelsi Welch; Halle Milne; Jeffrey M. Glossa; Erik Roach; Brian T. Murray; Rachel M. Debaillon; Brian Hoffman
Subject: RE: Becker Ranch 5J-103 API# 05-123-39072

Please proceed as proposed.

Thanks,
Diana

From: Adam P. Conry [mailto:Adam.Conry@pdce.com]
Sent: Wednesday, July 15, 2015 7:24 AM
To: 'diana.burn@state.co.us'; 'Schlagenhauf - DNR, Mark'
Cc: Steve W. Trippett; John Sinesi; Mike W. Hamilton; Kelsi Welch; Halle Milne; Jeffrey M. Glossa; Erik Roach; Brian T. Murray; Rachel M. Debaillon; Brian Hoffman
Subject: Becker Ranch 5J-103 API# 05-123-39072

Mark, Diana,

The Becker Ranch 5J-103 API# 05-123-39072.

Becker Ranch 5J-103 API# 05-123-39072

i. Explanation of the situation that has resulted in a lost hole and the need to plug the lost hole
   a. Reached a depth of 8,444'. When tripping in after changing the BHA PDC ran into issues not being able to get back to TD only making it to 8,000'. We changed the BHA two times to attempt to continue drilling with no improvement on wellbore stability. PDC is unable to move forward with drilling the well. Upon tripping out of the hole it was noticed fish was left in hole at 8,000'.
ii. Total measured depth reached in the lost hole
   a. 8444'
iii. Casing set – size(s) and measured depth(s)
   a. Surface Casing 9-5/8" 36#/ft J-55 set at 925'
   b. Intermediate Casing 7" 26#/ft HCP-110 set at 7149'
iv. Description of fish in the hole (if any) – including top and bottom measured depths
   a. Roller cone drill bit, bit sub at 8,000'.
v. Description of proposed plugs: setting measured depths, heights, and cement volumes

Type of cement to be used for all plugs, including slurry weight (ppg) and yield (cf/sk)

a. Bridge plug at 6700’ +/-

b. Cement plug 1 set at 6700’: 50 sx (15.8ppg yield 1.51 cuft/sx)

c. Cement plug 2 set at 5000’: 220 sx (15.8ppg yield 1.15 cuft/sx)

d. Cement plug 3 set from 1025' to 825’: 45 sx (14.8ppg yield 1.33 cuft/sx)

e. Cement plug 4 set at 450’: 25 sx (14.8ppg yield 1.33 cuft/sx)

f. Cement plug 5 set at surface: 10 sx (14.8ppg yield 1.33 cuft/sx)

vi. Proposed objective formation(s) for replacement well – new or same as lost hole

a. Formation, same as last well Niobrara

vii. BHL target for replacement well – new or same as lost hole (NOTE: a change in the BHL must be reviewed and approved by COGCC Permitting prior to completing the replacement well. Drilling a well to an unapproved BHL could result in an NOAV, plugging the well, or both)

a. BHL, same as last well

Regards,

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Adam.Conry@pdce.com

“To improve is to change, to be perfect is to change often.” *Winston Churchill*