From: Corey Thomson
To: Pauline DeJong; John Hawkins
Cc: DST_JUS_OROGO; Dusty Schneider
Subject: Re: Decision: Variation 1 - ACW-2022-MGM-I-78-WID2078
Date: February 8, 2024 10:19:28 PM

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Hi Pauline,

As per my discussion with Mike and Brandon the program variance would read as follows. Starting from step 20:

21. Make up and run in hole starting with 73.0mm work string and cross over to 114.3mm pipe pulled out of hole after 13 joints or enough tubing to reach from ~1940mKB to above the cut tie back string at ~1813mKB from previous steps.

22. MIRU cement pumping unit and accessories. Pressure test lines to 21MPa for 10 minutes and record results in daily report.

23. Prepare to mix cement for squeeze. The squeeze volume has been based on (liner + annulus volumes + (liner top packer depth + 100m)) x 110% allowing for a loss of 10% volume into the formation totalling approximately 4.5m3

24. Mix and circulate cement to bottom of work string (+/- 1940mKB). Balance plug across calculated interval while pulling out of hole. Squeeze cement into perforations via frac ports in completion string. Squeeze at up to 18MPa if formation will take cement-increase as needed to a maximum of 30MPa surface treating pressure.

Theoretical cement volume to fill tubing and annulus over target area is 2.3m3. It is likely that the perforations will take some of this volume on account of hydrostatic pressure once the plug is laid and pressure is applied. Maintain squeeze pressure for up to 3 hours or 80% of working time of cement blend. Maintain maximum allowable pressure on the column bumping up as needed over the time frame. Document working pressures. If no cement is accepted cement top should be found at approximately 1713mKB.

25. CONTINUE AS PER APPROVED PROGRAM STEP 32 ONWARDS

I will not e in attendance at the meeting tomorrow but I will be around to answer any outstanding questions that may require answering.

Sincerely,

Corey Thomson

From: Pauline DeJong <Pauline_DeJong@gov.nt.ca>

Sent: Thursday, February 8, 2024 2:57 PM
To: John Hawkins <john.hawkins@paramountres.com>
Cc: Corey Thomson <corey.thomson@paramountres.com>; DST_JUS_OROGO <OROGO@gov.nt.ca>
Subject: Decision: Variation 1 - ACW-2022-MGM-I-78-WID2078

Good afternoon Corey –

The decision on the variation for cutting the tieback string is attached. I understand from Mike that you will be submitting the new program steps for the change in cementing approach and we will consider that as a separate variation.

Thanks
Pauline

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Ms. Pauline de Jong
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Mársı | Kinanāskomitin | Thank you | Merci | Hai̜ʼ | Quana | Qujannamiik | Quyanainni | Mahsı | Máhsı | Mahsì

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