



Canadian Petroleum Engineering Inc.

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March 6, 2023

Pauline de Jong
Regulator
Office of the Regulator of Oil and Gas Operations
PO Box 1320
Yellowknife, NT
X1A 2L9

**Re: Information Request No. 1
Aurora Training Well G-04 Abandonment
ACW-2023-AC-G-04-WID1915**

Dear Ms. de Jong

Canadian Petroleum Engineering on behalf of Aurora College is pleased to submit the attached response to OROGO regarding Information Request No. 1, Aurora Training Well G-04, ACW-2023-G-04-WID1915 resulting from our application of Feb 14, 2023.

CPE will provide additional information as required.

Sincerely

Lorne Hammer
Director CPE

ATTACHMENT 1.
Information Request No. 1
Aurora Training Well G-04 Abandonment
ACW-2023-AC-G-04-WID1915

Request No. 1

Submit updated wellbore diagram that shows depth and nature of existing plug.

Response:

There is no plug in the wellbore other than the float shoe/collar situated at the bottom of the casing. An updated wellbore diagram is not needed.

The plug which OROGO refers to is the displacement or wiper plug which is normally run during casing cementing operations.

The wiper plug acts as a spacer between the cement column and the displacing fluid, usually water, that is pumped to displace the cement column out of the casing into the casing/formation annulus. When the cement has been fully displaced out of the casing, the wiper plug lands on the casing cement float collar. This causes a pressure increase which is the 5000 kPa pressure reported in the cementing report.

Request No. 2

Submit confirmation of the fluid currently in the wellbore.

Response:

The records which we have been able to obtain indicate that the well was left full with fresh water. There is no mention of corrosion inhibitors mixed into the fluid. The upper few meters of fluid which could possibly freeze were fresh water with a non-freezing additive mixed into it to prevent wellbore freezing.

There are no plans to circulate the well to fresh water as the equipment required to do this is not available.

Request No. 3

Submit an updated abandonment program with contingency steps for remedial operations.

Response:

There is no plan to conduct remedial operations on the Aurora College Training Well G-04.

The equipment required to conduct any remedial work is not available in the Northwest Territories. The time and cost associated with contracting such equipment and mobilizing it to Inuvik will delay any operations by a substantial period of time.

Aurora College will request a waiver of the requirement for remedial operations and request approval to proceed with the cut and cap abandonment program as there is no potential for environmental damage from this wellbore.