



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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John Hawkins
Director, Asset Management
Paramount Resources Ltd.
SUITE 2800, 421 – 7 AVE SW
CALGARY AB T2P 4K9

April 5, 2023

Dear John Hawkins:

**Information Request No. 3:
Liard K-29A Well Abandonment (ACW-2022-PAR-K-29A-WID2030)**

On November 30, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received Paramount Resources Ltd's response to Information Request No. 2 associated with its application to Alter the Condition of a Well (ACW) for the abandonment of the Liard K-29A well (WID2030) in the Fort Liard area of the Northwest Territories.

OROGO has reviewed the information provided by Paramount in its original application and in response to Information Request No. 2 and requires additional information to complete its review of Paramount's ACW application, as set out in the attached Information Request No. 3.

Please send your written responses and any associated correspondence to OROGO at oro.go@gov.nt.ca or through OROGO's secure file transfer site, on or before 4:00 pm on April 24, 2023. If you are unable to respond within this timeframe or have any questions, please contact OROGO at 867-767-9097 or by email at oro.go@gov.nt.ca.

Sincerely,

Michael Martin
Chief Safety Officer
Chief Conservation Officer

Encl. Information Request No. 3

Information Request No. 3
Liard K-29A Well Abandonment
ACW-2022-PAR-K-29A-WID2030

3.1 SCVF Repair Contingency

Preamble:

Step 21 of Paramount's revised well abandonment program, submitted on November 30, 2022, refers to running a GR/CCL/RBL log from 100m below cement top to surface as well as a noise/temp log from PBTD to surface.

This step does not contemplate the logs identifying that the gas is coming from below the permanent bridge plug at 1734 mKB and, if encountered, what steps would be taken to address the remediation of the SCVF below the permanent bridge plug.

Request:

Submit an updated well abandonment program that includes a contingency to repair the SCVF if it is identified that the source is below the permanent bridge plug 1734 mKB.

3.2 Level I Well 30m Cement Cap

Preamble:

Step 19 of Paramount's revised well abandonment program, submitted on November 30, 2022, refers to placing a 30m balanced cement plug on top of the permanent bridge plug at 1734 mKB.

However, the included proposed well bore diagram identifies this plug as being only 15m. Section 6A of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines) states 30 meters of circulated cement is required for Level I wells.

Request:

Submit an updated well abandonment program that includes a proposed wellbore diagram that meets the requirements of section 6A of the Guidelines.