



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

October 5, 2022

Dear John Hawkins:

**Information Request No. 2:**  
**Liard 2K-29 Well Abandonment (ACW-2022-PAR-2K-29-WID1980)**

On August 15, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received a complete application to Alter the Condition of a Well (ACW) from Paramount Resources Ltd. (Paramount) for the abandonment of the Liard 2K-29 well (WID1980) 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. 1 and requires additional information to complete its review of Paramount's ACW application, as set out in the attached Information Request No. 2.

Please send your written responses and any associated correspondence to OROGO at [oro.go@gov.nt.ca](mailto:oro.go@gov.nt.ca) or through OROGO's secure file transfer site, on or before 4:00 pm on October 19, 2022. 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](mailto:oro.go@gov.nt.ca).

Sincerely,

Pauline de Jong  
Regulator

Encl. Information Request No. 2

**Information Request No. 2**  
**Liard 2K-29 Well Abandonment**  
**ACW-2022-PAR-2K-29-WID1980**

**2.1 Level I Well**

**Preamble:**

Page 6 of the revised abandonment program submitted on August 26, 2022, indicates that the Liard 2K-29 well produces a mixture of H<sub>2</sub>S (0.5%) and CO<sub>2</sub> (21%). Section 2 of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines) indicates that acid gas wells are Level I wells and defines acid gas wells as wells that produce any amount of H<sub>2</sub>S and CO<sub>2</sub>.

Section 6A of the Guidelines contains abandonment requirements for Level I wells which differ from the requirements for Level II wells. The revised abandonment program submitted on August 26, 2022, refers to the requirements for a Level II well.

**Request:**

Submit an updated well abandonment program that meets the requirements of the Guidelines for Level I wells.

**2.2 Isolation of Oil and Gas Bearing Zones and Discreet Pressure Zones**

**Preamble:**

The revised abandonment program submitted on August 26, 2022, indicates that Paramount proposes to leave the Besa River completed interval, the Muskwa formation, and the Nahanni formation in communication.

Section 56 of the *Oil and Gas Drilling and Production Regulations* (OGDPR) requires that all oil or gas bearing zones and discreet pressure zones be isolated during abandonment.

**Request:**

Submit an updated well abandonment program that meets the requirements of section 56 of the OGDPR.