



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

P.O. Box 1320, Yellowknife, NT X1A 2L9

Tel: 867-767-9097 • Fax: 867-920-0798 • Web: www.oro.gov.nt.ca

Courier Address: 4th floor, 5201 – 50th Avenue, Yellowknife, NT X1A 3S9

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 F-25A Well Abandonment (ACW-2022-PAR-F-25A-WID1621)**

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 F-25A well (WID1621) 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.gov.nt.ca or through OROGO's secure file transfer site, on or before 4:00 pm on October 18, 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.gov.nt.ca.

Sincerely,

Pauline de Jong
Regulator

Encl. Information Request No. 2

Information Request No. 2
Liard F-25A Well Abandonment
ACW-2022-PAR-F-25A-WID1621

2.1 Level I Well

Preamble:

Page 1 of the revised abandonment program submitted on August 26, 2022, indicates that the Liard F-25A well produces a mixture of H₂S (0.38%) and CO₂ (19.78%). 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 H₂S and CO₂.

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 Confirmation of Cement Top

Preamble:

Step 31 of the revised abandonment program submitted on August 26, 2022, states that perforating and cement squeezing may be required “depending on where the cement top is confirmed”. However, the preceding program steps do not describe how Paramount will confirm the location of the cement top.

Request:

Submit an updated well abandonment program that identifies how Paramount will confirm the location of the cement top prior to conducting remedial cementing.

2.3 Signed Well Abandonment Program

Preamble:

The revised abandonment program submitted on August 26, 2022, is not signed off as reviewed and approved.

Request:

Submit an updated well abandonment program that is signed by the appropriate reviewer and approver.