



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.go.gov.nt.ca](http://www.oro.go.gov.nt.ca)

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

John Hawkins, P. Eng.  
Director Asset Management  
Paramount Resources Ltd.  
Suite 2800, 421 – 7<sup>TH</sup> AVE SW  
CALGARY AB T2P 4K9

May 3, 2022

Dear John Hawkins:

**Information Request No. 1: Paramount Resources Ltd. Application to Abandon the Arrowhead N-65 Well (ACW-2022-PAR-N-65-WID1833)**

On April 29, 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 Arrowhead N-65 well (WID1833) in the Fort Liard area of the Northwest Territories.

OROGO has reviewed the information provided by Paramount and requires additional information in order to complete its review of Paramount's ACW application, as set out in the attached Information Request No. 1.

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 May 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.go@gov.nt.ca](mailto:oro.go@gov.nt.ca).

Sincerely,

Pauline de Jong  
Regulator

Encl. Information Request No. 1

**Information Request No. 1**  
**Arrowhead N-65 Well Abandonment**  
**ACW-2022-PAR-N-65-WID1833**

**1.1 Area of Application**

**Preamble:**

On page 3 of its April 29, 2022, application, Paramount includes a map of the Area of Application. The map resolution is poor.

**Request:**

Please submit an updated application with a map in higher resolution.

**1.2 Cement Evaluation**

**Preamble:**

The abandonment program in Appendix 2 of Paramount's April 29, 2022, application does not include cement evaluation.

Section 6A of the guidelines requires operators to evaluate the existing cement behind the casing string(s) of a well before beginning abandonment operations, including:

- Determining the cement top;
- Evaluating the cement bond in the casing annulus; and
- Assessing any repairs or remedial cementing required to meet the requirements of the *Oil and Gas Drilling and Production Regulations* for abandoned wells.

**Request:**

Please submit an updated abandonment program that includes pressure testing and cement evaluation as required by the guidelines.