



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

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

Patrick Kelly
Area Operations Manager
Paramount Resources Ltd.
4700 Bankers Hall West
888 3 STREET SW
CALGARY AB 42P 5C5

March 13, 2017

Dear Mr. Kelly:

**Amendment of Approval to Alter the Condition of a Well
Fort Liard F-36 Well (ACW-2016-003)**

The Office of the Regulator of Oil and Gas Operations (OROGO) has received the Paramount Resources Ltd (Paramount) application dated March 8, 2017 for an amendment to the Approval to Alter the Condition of a Well (ACW) setting out the plan for the abandonment of the Fort Liard F-36 well.

Based on the information Paramount has provided and advice from my technical team, on March 9, 2017, I agreed that observations of the surface casing vent did not support cutting and capping the well and I issued an interim decision (via email), to approve Paramount's request to leave the well head in place.

OROGO's *Well Suspension and Abandonment Guidelines and Interpretation Notes* (in effect February 1, 2017) require that all gas migration or surface casing vent flow (SCVF) (serious and non-serious) must be repaired prior to abandoning the well. The guidelines set out requirements for abandonment timelines, monitoring and operations.

The ACW issued on December 19, 2016, and amended on March 6, 2017, is further amended as set out below:

1. The term of ACW-2016-003 is extended until November 30, 2017.
2. Paramount shall conduct SCVF monitoring prior to September 30, 2017 at a time of year and for a duration (minimum 48 hours) that is reasonable to confirm the presence or absence of SCVF and an estimated rate of any flow.
3. Paramount shall notify OROGO at least 30 days prior to conducting SCVF monitoring by e-mail to oro.go@gov.nt.ca.

.../2

4. Paramount shall conduct the SCVF monitoring utilizing a continuous flow meter that is suitable for low and intermittent flows.
5. The well head will remain in place. The cutting and capping of the well is subject to further approval from the Chief Conservation Officer.
6. Paramount shall provide an updated monitoring and well abandonment plan by October 31, 2017 consistent with OROGO's *Well Suspension and Abandonment Guidelines and Interpretation Notes*.

If you have any questions, please contact me at 867-767-9097 or by email at James.Fulford@gov.nt.ca.

Sincerely,



James Fulford
Chief Conservation Officer