



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

January 14, 2019

Dear John Hawkins:

**Information Request No. 2:  
Paramount Resources Ltd. ACW-2018-010-PAR-H-78-WID0156**

On December 11, 2018, the Office of the Regulator of Oil and Gas Operations (OROGO) received a complete application from Paramount Resources Ltd. (Paramount) to Alter the Condition of a Well (ACW) for the abandonment of the Celibeta No.2 H-78 well. In order to review Paramount's application, OROGO requires additional information, as set out in the attached Information Request No.2.

Please send your written responses and any associated correspondence to Mr. James Fulford, Chief Conservation Officer, OROGO, by email at [oro.go@gov.nt.ca](mailto:oro.go@gov.nt.ca) or through OROGO's secure file transfer site.

Please submit your response on or before 4:00 p.m. on January 21, 2019. If you are unable to respond within this timeframe or have any questions, please contact me at (867)767-9097 Ext: 78003 or by email at [Pauline.dejong@gov.nt.ca](mailto:Pauline.dejong@gov.nt.ca).

Sincerely,

Pauline de Jong  
Senior Advisor, Legislation and Policy

Attachment

Bureau de l'organisme de réglementation des opérations pétrolières et gazières  
B.P. 1320, Yellowknife, TNO X1A 2L9  
Tél : 867-767-9097 • Téléc : 867-920-0798 • Site web : [www.oro.go.gov.nt.ca](http://www.oro.go.gov.nt.ca)  
Adresse de messagerie : 4<sup>e</sup> étage, 5201 – 50<sup>e</sup> Avenue, Yellowknife TNO X1A 3S9

BUREAU DE L'ORGANISME DE RÉGLEMENTATION DES OPÉRATIONS PÉTROLIÈRES ET GAZIÈRES DES T.N.O.

**Paramount Resources Ltd. (Paramount)**  
**Application to Alter the Condition of a Well (ACW-2018-010-PAR-H-78-WID0156)**  
**Information Request No. 2**

**2.1 Abandonment Program**

**Preamble:** OROGO is not satisfied that the information provided by Paramount in its application to Alter the Condition of a Well received on December 11, 2018, and subsequently in Paramount's response to Information Request No. 1, addresses the high risk for commingling of the Slave Point and Sulphur Point formations. This is due to a possible bridge plug failure at 1154.6 mKB and/or inadequate cementing of the liner, neither of which can be confirmed by Paramount. In addition, the existing Slave Point formation perforations at 1150.3 mKB – 1153.4 mKB are only three metres from the bottom of the liner. This provides for only three metres of cement on the outside of the liner to act as a barrier for isolation from the Sulphur Point formation.

**Request:** Please submit an updated abandonment program that ensures complete isolation of porous zones (Slave Point/Sulphur Point). The abandonment program must include:

- 1) Drilling out of bridge plugs set at 1112mKb and 1154mKb;
- 2) Well bore cleanout down to a minimum depth of 1200mKb (25 metres into the Sulphur Point formation); and
- 3) Placement, testing and confirmation of location of a continuous or staged cement plug from 1200mKB to a minimum of 15 meters above the top of the liner.



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