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**Subject:** OROGO Information Requests - Arrowhead River K-35 and I-75 Well Applications to Alter the Condition of a Well ( ACW-2019-012-CNRL-I-75-WID1981; ACW-2019-016-CNRL-K-35-WID1991)  
**Date:** June 12, 2020 9:02:23 AM  
**Attachments:** [2020-06-12 - IR3 - to CNRL - ACW-2019-012- I-75 WID1981.pdf](#)  
[2020-06-12 - IR3 - to CNRL - ACW-2019-016-K-35-WID1991.pdf](#)

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Dear Mr. Munro,

On February 27, 2020, the Office of the Regulator of Oil and Gas Operations (OROGO) received an electronic copy of Well Approval applications from Canadian Natural Resources Ltd. (CNRL) to Alter the Condition of a Well (ACW) for the abandonment of the Arrowhead River I-75 (WID1981) and K-35 (WID1991) wells. On June 2, 2020, OROGO received CNRL's response to Information Request No.2 . In order to further review CNRL's applications, OROGO requires additional information, as set out in the attached Information Requests.

Please send your written responses and any associated correspondence to me by email at [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca) or through OROGO's secure file transfer site.

Please submit your responses on or before 4:00 p.m. on June 25, 2020. If you are unable to respond within this timeframe or have any questions, please contact me at (867)765-8160 or by email at [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca).

Sincerely,

**Mr. Janpeter Lennie-Misgeld**

Senior Advisor, Legislation and Policy | Conseiller principal, Législation et politiques  
Office of the Regulator of Oil and Gas Operations | Bureau de l'organisme de réglementation des opérations pétrolières et gazières  
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NWT-NU Spill Line: 867-920-8130  
OROGO Incident Reporting Line | Pour signaler un incident: 867-445-8551

**Mársı | Kinanāskomitin | Thank you | Merci | Hąı' | Quana | Qujannamiik | Quyanainni | Máhsı  
| Máhsı | Mahsı**

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**Canadian Natural Resources Ltd. (CNRL)**  
**Application to Alter the Condition of a Well (ACW-2019-012-CNRL-I-75-WID1981)**  
**Information Request No. 3**

**3.1 Production Potential of Open Hole Section**

**Preamble:** CNRL's abandonment program identifies geological zones within the open hole section of the well. In its response to IR No. 2, CNRL's geological evidence, interpretation and supporting information does not provide sufficient information (e.g. reservoir evaluation) to determine if any of the geological zones identified in the open hole section of the well could be impacted (e.g. potential for production) if conventional and/or other stimulation techniques (e.g. hydraulic fracturing) were to be utilized for future oil and gas production within a 5 km radius. An assessment of offset wells, if any, that have produced from the geological formations in the open hole section of the well was not provided.

**Request:** Please submit detailed geological evidence, interpretation and supporting information to confirm if any geological zone in the open hole section could be impacted (e.g. potential for production) if conventional and/or other stimulation techniques (e.g. hydraulic fracturing) were to be utilized for future oil and gas production within a 5 km radius of the well. Supporting information should include an assessment of offset wells, if any, that have produced from the geological formations in the open hole section of the well.