

<b>Incident #</b>	INC-2024-001-CNRL-OA-2018-005	
<b>Incident occurred on:</b>	July 14, 2023	
<b>OA/ACW #:</b>	ACW-2019-011-CNRL-P-16-WID1976	
<b>Operator:</b>	Canadian Natural Resources Ltd.	
<b>Location:</b>	Liard P-16 (WID 1976)	
<b>Summary of incident:</b>	Active spill of Natural Gas on the Intermediate casing of the wellhead	
<b>Incident reported to OROGO by the operator on:</b>	July 23, 2023	
<b>Incident reported to NT-NU Spill Line (if required) on:</b>	Yes on February 29, 2024	
<b>Operator Follow-up Investigation Report:</b>	Due: Summer 2024	
<b>Status:</b>	<p><b>July 14, 2023:</b> CNRL detects a Intermediate Casing Vent Flow.</p> <p><b>July 18, 2023:</b> CNRL Installs a vent nanny</p> <p><b>July 23, 2023:</b> CNRL has confirmed an intermediate casing vent flow on P-16 wellsite. A continuous monitoring system has been installed to measure and monitor the flow rate. The flow rate is ~1m<sup>3</sup>/day. A strong response (decrease in flowrate) has been measured when pressure is applied to the production casing, and combined with the cement evaluation logging, micro-annulus flow has been determined. CNRL is planning to run the casing expansion tool on P-16 to remediate the ICVF.</p> <p><b>August 3, 2023:</b> OROGO approves ACW-2019-011-CNRL-P-16-WID1976 Variation 8 which includes the use of a casing expander tool to eliminate the Intermediate Casing Vent Flow.</p> <p><b>August 31, 2023:</b> Service rig access is limited to the P-16 wellsite due to low water levels in the Liard River (Barge access) and therefore a request for extension of ACW-2019-011-CNRL-P-16-WID1976 until 2024. If Intermediate Casing Vent Flow is still present during the summer of 2024, CNRL would propose to access the site again in the summer of 2024 via barge to perform an additional remedial operations if required.</p>	

This Report is subject to disclosure pursuant to paragraph 91(8)(h) of the *Petroleum Resources Act*.

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## INCIDENT STATUS REPORT

	<p><b>September 6, 2023:</b> OROGO approves extension request until September 30, 2024</p> <p><b>February 23, 2024:</b> OROGO requires all companies with current Surface Casing Vent Flow's or Gas Migration to report as an incident and spill by March 1, 2024</p> <p><b>February 29, 2024:</b> CNRL submits spill report and incident report to OROGO.</p> <p><b>June 18, 2024:</b> CNRL provided the results of the 2024 SVF testing and the results indicate that the well has been repaired.</p> <p><b>FILE CLOSED</b></p>
	Michael Martin – Chief Safety Officer/Chief Conservation Officer

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