

August 8, 2023

**Office of the Regulator of Oil and Gas Operations**  
PO Box 1320  
Yellowknife NT, X1A 2L9

By Email: [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca)

**RE: Notification of Upcoming Gas Migration Testing at Cameron Hills**

ELM Inc, acting on behalf of Alvarez & Marsal Canada Inc in their capacity as the receiver for Strategic Oil and Gas Ltd is planning to conduct gas migration testing in Cameron Hills. Testing will occur August 18 to 24. The wells to be tested are the wells that had previously identified gas migrations, and the wells that where on the “2025” abandonment list.

Cameron 2H-03	Cameron I-16
Cameron 2M-73	Cameron I-73
Cameron A-03	Cameron J-04
Cameron A-05	Cameron J-62
Cameron B-08	Cameron J-74
Cameron C-19	Cameron K-74
Cameron C-74	Cameron L-29
Cameron C-75	Cameron L-40
Cameron D-49	Cameron L-47
Cameron H-03	Cameron L-73
Cameron H-58	Cameron M-31
Cameron I-10	Cameron M-73

Gas migration testing will use a Sensit Methane Detector. The testing will be done following section 4A of the Well Suspension and Abandonment Guidelines and industry best practices, with a at least 3 background tests conducted near the edge of the lease. The main test will be 2 tests on opposite sides of the well 30 cm from the well, then a test every meter away from the well 90 degrees apart, up to 6 meters away. The test results will be recorded and provided to OROGO.

If there is a reading that is above background levels, further testing will be done according to section 4A of the Well Suspension and Abandonment Guidelines. Holes will be augured in the soil near the wellhead and plugged. After a minimum of 30 minutes, the gasses in the hole will be testes for combustibile materials with a LEL meter. Should a gas migration be detected, ELM proposes having a specialist company come in and collect soil gas samples for carbon isotope testing. Isotope testing can provide a geologic age for the gas, which in turn can suggest a source formation which will inform future repair plans.



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Also, during the testing ELM intendeds to clean up any garbage that was left behind from previous operations and document the overall site conditions. If conditions warrant, visits will be made to the other wells in the field for pictures and garbage clean up. Additionally, the well sign for the M-31 location will be replaced with one that meets the current regulations.

Should you have any questions or require further information, please contact the undersigned at [christopher@elminc.ca](mailto:christopher@elminc.ca)

Sincerely,

Christopher Gagnon, EIT

ELM Inc, acting as a consultant to Alvarez & Marsal Canada Inc