



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](http://www.oro.go.gov.nt.ca)

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

Ken Nikiforuk, Operations Consultant  
Strategic Oil and Gas Ltd.  
C/O Alvarez & Marsal Canada ULC  
SUITE 1100, 250 - 6th AVE SW  
CALGARY AB T2P 3H7

July 15, 2021

Dear Ken Nikiforuk:

**Information Request No. 1: Application to Abandon  
the Cameron N-06 Well (ACW-2021-SOG-N-06-WID2067)**

On July 12, 2021, the Office of the Regulator of Oil and Gas Operations (OROGO) received a well abandonment program from Strategic Oil and Gas Ltd. (Strategic) for the Cameron N-06 (WID 2067) well.

OROGO has reviewed the information provided by Strategic and requires additional information in order to complete its review of Strategic's application to abandon the Cameron N-06 well, as set out in the attached Information Request No. 1.

OROGO also notes that the well abandonment program for the Cameron N-06 well does not identify contingency procedures should the pressure test (step 34) of the existing permanent bridge plug at 1357 mKB confirm a failure of plug integrity. OROGO recommends operators include contingency procedures to account for the need to conduct alternative operations. In the event of a pressure test failure of the existing permanent bridge plug at 1357 mKB, approved contingency procedures may avoid having to apply for a variation to the well approval and suspend operations while the application is reviewed and processed.

Please send your written responses and any associated correspondence to Peter Lennie-Misgeld, Senior Advisor, Legislation and Policy at [oro.go@gov.nt.ca](mailto:oro.go@gov.nt.ca) or through OROGO's secure file transfer site on or before 4:00 p.m. on August 9, 2021.

.../2

-2-

If you are unable to respond within this timeframe or have any questions, please contact OROGO at (867) 767-9097 or by email at [orogo@gov.nt.ca](mailto:orogo@gov.nt.ca).

Sincerely,



Pauline de Jong  
Regulator

Encl. Information Request No. 1

c Duncan MacRae, Director, Alvarez & Marsal Canada ULC

**Strategic Oil and Gas Ltd.**

**Application for an Authorization to Alter the Condition of a Well**

**Cameron N-06 Well (ACW-2021-SOG-N-06-WID2067)**

**Information Request # 1**

**1.1 Casing Integrity**

**Preamble:**

The well abandonment program submitted by Strategic on July 12, 2021 for the Cameron N-06 (WID 2067) well includes well history information which identifies the completion of a casing integrity log on March 13, 2016. The casing integrity log was completed to address the risks of potential failure of the J55 wellbore casing used in the completion of this well in 2010. The same J55 casing manufacturer's lot has demonstrated failures in other wells in the Cameron Hills field.

The well abandonment program does not address the potential risks associated with the known casing integrity issues of the J55 casing, such as:

- Possible failure during proposed well operations;
- Possible impact on the effective isolation of all oil and gas bearing zones, discrete pressure zones and potable water zones; and
- Possible impact on the prevention of formation fluid from flowing through or escaping from the wellbore.

**Request:**

Please submit an updated well abandonment program, as one complete consolidated document, that includes the following information:

- A well history that identifies the casing integrity issues that resulted in the requirement to suspend the well in 2016 and isolate the casing from wellbore pressure;
- Procedures and equipment necessary to assess casing integrity and ensure safe operations;
- Emergency procedures in the event of a casing failure; and
- Reporting and notification procedures to OROGO regarding any casing integrity issues and/or casing failures during abandonment operations.

## 1.2 Cement Bond Log

### Preamble:

The well abandonment program submitted by Strategic on July 12, 2021 for the Cameron N-06 (WID 2067) well refers to using the March 10, 2010 Cement Bond Log (CBL) to locate casing collars in Step 34 of the procedures. Step 46 states that the March 10, 2010 CBL is unavailable; however, an excerpt of the CBL (1220 mKB – 1300 mKB) was submitted as part of the application.

Given the conflicting information in the procedures, OROGO is unclear about the existence of the March 10, 2010 CBL.

### Request:

Please submit an updated well abandonment program, as one complete consolidated document, that includes the following information:

- A copy of the complete March 10, 2010 CBL data log, if available; and
- Interpretation of the available CBL intervals recorded on March 10, 2010.

## 1.3 Facilities Removal

### Preamble:

The well abandonment program submitted by Strategic on July 12, 2021 for the Cameron N-06 (WID 2067) well does not identify the removal of surface facilities on the lease site.

Section 6E of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* requires the removal of all installations and structures put in place as a result of an authorized activity within 12 months of the abandonment of the wellbore.

### Request:

Please submit an updated well abandonment program, as one complete and consolidated document, that includes an operations plan identifying all facilities and a proposed schedule for their removal from the Cameron N-09 lease.

## **1.4 Wellbore Diagram**

### **Preamble:**

The well abandonment program submitted by Strategic on July 12, 2021 for the Cameron N-06 (WID 2067) well incorrectly identifies the existing wellbore diagram as the "Proposed Well Diagram". The Sulphur Point perforations are identified out of order on the wellbore diagram. The deeper set of perforations (1370.5 – 1371.5 mKB) is identified above the shallower perforations (1365.0 – 1366.0 mKB).

The well history identifies the last well intervention was completed on March 14, 2016; however, the wellbore diagram is dated as of "March 14, 20".

### **Request:**

Please submit an updated well abandonment program, as one complete and consolidated document, that includes an updated and accurate existing wellbore diagram.