



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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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

June 3, 2022

Dear Ken Nikiforuk:

Information Request No. 1:
Application to Abandon the Cameron J-04 Well (ACW-2022-SOG-J-04-WID2034)

On June 3, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received a complete well abandonment program from Strategic Oil and Gas Ltd. (Strategic) for the Cameron J-04 (WID 2034) well.

OROGO has reviewed the information provided by Strategic and requires additional information to complete its review of Strategic's application to abandon the Cameron J-04 well, as set out in the attached Information Request No. 1.

Please send your written responses and any associated correspondence to oro.go@gov.nt.ca or through OROGO's secure file transfer site on or before 4:00 p.m. on June 13, 2022.

If you are unable to respond within this timeframe or have any questions, please contact OROGO at (867) 767-9097 or byemail at oro.go@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 J-04 Well (ACW-2022-SOG-J-04-WID2034)

Information Request # 1

1.1 Remedial Cementing

PREAMBLE:

The Well Abandonment Program submitted by Strategic on June 3, 2022, for the Cameron J-04 (WID 2034) well included contingency steps (Steps 18-43) to be followed if the cement bond log identifies remedial cementing is required.

Based on the March 16, 2007, cement bond log there are multiple intervals of questionable cement behind the casing. However, the program only shows one potential remedial cementing attempt.

The contingency steps also identify the placement of a 15m cement cap on top of the cement retainer by pulling two joints of tubing while rotating followed by a reverse circulation of fresh water until returns are clean (Steps 37-42).

The program does not provide enough detail on the exact procedures for the placement of this cement cap for OROGO to evaluate whether this procedure meets the requirements of section 6A of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines – revised on May 25, 2022) for the circulation of cement in place.

REQUEST:

Please submit an updated Well Abandonment Program that:

- Identifies the contingency steps (Step 18-43) may be repeated if the cement bond log identifies multiple intervals requiring remedial cementing; and
- Provides details on the procedure for the placement of a 15m cement cap on a cement retainer to demonstrate that it meets the requirements in section 6A of the Guidelines for circulated cement.

1.2 Groundwater Protection

PREAMBLE:

The Well Abandonment Program submitted by Strategic on June 3, 2022, for the Cameron J-04 (WID 2034) well identifies the base of ground water to be at 566 mKB with the bottom of the surface casing at 430 mKB. The March 16, 2007, cement bond log identifies questionable cement from 470 mKB – 575 mKB and no cement from 125 mKB – 470 mKB

The program does not address how Strategic will prove sufficient ground water isolation to the satisfaction of the Regulator as required by section 6B of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines – revised on May 25, 2022).

REQUEST:

Please submit an updated Well Abandonment Program that:

- Provides proof of ground water isolation; or
- Describes how Strategic will ensure groundwater protection during operations in accordance with section 6B of the Guidelines.