



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 7, 2022

Dear Ken Nikiforuk:

**Information Request No. 1: Application to Abandon
the Cameron Hills I-10 Well (ACW-2022-SOG-I-10-WID1492)**

On June 6, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received a complete application for a Well Approval from Strategic Oil and Gas Ltd. (Strategic) for the abandonment of the Cameron Hills I-10 well (WID 1492).

OROGO has reviewed the information provided by Strategic and requires additional information to complete its review of Strategic's application to abandon the Cameron Hills I-10 well, as set out in the attached Information Request No. 1.

Please send your written responses and any associated correspondence to oroogo@gov.nt.ca or through OROGO's secure file transfer site on or before 4:00 p.m. on June 14, 2022.

If you are unable to respond within this timeframe or have any questions, please contact OROGO at (867) 767-9097 or byemail at oroogo@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 Hills I-10 Well (ACW-2022-SOG-I-10-WID1492)

Information Request # 1

1.1 Remedial Cementing

PREAMBLE:

The Well Abandonment Program submitted by Strategic on June 6, 2022, for the Cameron Hills I-10 well (WID 1492) included contingency steps (Steps 18-44) to be followed if the cement bond log identifies remedial cementing is required.

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 18-44) 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 Well History

PREAMBLE:

The Well Abandonment Program submitted by Strategic on June 6, 2022, for the Cameron Hills I-10 well (WID 1492) included a well history summary which provides three areas of contradictory or missing information:

1. The well history summary identifies that the Upper Keg River formation was perforated from 1,508 mKB-1,515 mKB on March 17, 1986, and March 3, 1986.
2. The well history summary identifies that a bridge plug was set at 1,522 mKB on March 17, 1986 and a cement retainer was set at 1,523 mKB on March 29, 1986, with no mention of the removal of the bridge plug at 1,522 mKB. The current wellbore diagram (February 22, 1989) also shows an existing bridge plug at 1,522 mKB
3. The well history identifies that a bridge plug set at 1,522 mKB was never pressure tested.

REQUEST:

Please submit an updated Well Abandonment Program that includes:

- A complete and accurate Well History Summary;
- Supporting documentation for any amendments made to the well history summary submitted on June 6, 2022; and
- An updated wellbore diagram showing the current known status of the well.