



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 & Gas Ltd.
C/O Alvarez & Marsal Canada ULC
SUITE 1100, 250 – 6 AVE SW
CALGARY AB T2P 3H7

July 18, 2022

Dear Ken Nikiforuk:

Information Request No. 1:

Application to Abandon the Cameron I-74 Well (ACW-2022-SOG-I-74-WID1792)

On July 4, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received a well abandonment program from Strategic Oil & Gas Ltd. (Strategic) for the Cameron I-74 well.

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

Please send your written responses and any associated correspondence to OROGO at oro.go@gov.nt.ca or through OROGO's secure file transfer site, on or before 4:00 p.m. on August 2, 2022.

If you are unable to respond within this timeframe or have any questions, please contact OROGO at (867) 767-9097 or by email 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 & Gas Ltd.

Application for an Authorization to Alter the Condition of a Well

Cameron I-74 Well (ACW-2022-SOG-I-74-WID1792)

Information Request No. 1

1.1 Contingency Steps for Permanent Bridge Plug

Preamble:

The proposed well abandonment program, submitted on July 4, 2022, includes setting two permanent bridge plugs:

- The permanent bridge plug and cement cap to isolate the Sulphur Point perforations is to be placed from 1383 to 1398 mKB. The existing packer isolating these perforations is set at 1394.2 mKB.
- The permanent bridge plug and cement cap to isolate the Slave Point perforations is to be placed from 1333 to 1348 mKB. The existing packer isolating these perforations is set at 1342.3 mKB.

Cameron I-74 is a sour well, which may have an impact on the condition of the casing below the existing retrievable packers. The casing may not support a successful pressure test of the proposed permanent bridge plugs.

Request:

Submit an updated abandonment program that includes contingency steps to be used if the proposed permanent bridge plugs cannot be successfully pressure tested.

1.2 Shallow Wellbore Plug

Preamble:

The March 28, 2001 wellbore diagram submitted on July 4, 2022 shows a plug at 53 mKB. In April 2021 the Chief Safety Officer issued a Safety Bulletin on shallow wellbore plugs (OROGO-SB-01). The Safety Bulletin sets out the requirements for operations on wells with known or suspected shallow wellbore plugs.

Request:

Submit an updated well abandonment program that meets the requirements of OROGO-SB-01.

1.3 Placement of Permanent Bridge Plug

Preamble:

Step 29 of the proposed well abandonment program indicates that the permanent bridge plug must not be set within 2 meters of a casing collar.

Section 6A of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines), revised in May 2022, indicates that plugs must not be set within 5 meters of a casing collar.

Request:

Submit an updated abandonment program that reflects the requirements in section 6A of the May 2022 Guidelines for the placement of bridge plugs.

1.4 Wellbore Fluid

Preamble:

Step 9 of the March 5, 2019, Abandonment Cement Plug Procedure submitted on July 4, 2022 indicates that an inhibitor is to be added to the fresh water used to fill the wellbore. This is noncompliant with section 6A of the Guidelines, which requires the wellbore above the uppermost bridge plug to be filled with non-saline water containing no inhibitors.

Request:

Submit an updated abandonment program that meets the requirements of section 6A of the Guidelines for wellbore fluid.

1.5 Abandoned Well Marker

Preamble:

The abandoned well marker diagram included with the proposed well abandonment program does not reflect the changes made in the revised Guidelines, issued in May 2022.

Request:

Submit an updated abandonment program that includes the abandoned well marker requirements found in section 6E of the May 2022 Guidelines.