



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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Vicki Chan
Director
Alvarez & Marsal Canada ULC
400 Burrard Street
Suite 1680 Commerce Place
VANCOUVER BC V6C 3A6

March 10, 2020

Dear Vicki Chan:

**Information Request No.2: Request for Amendment to Well Approval
(ACW-2019-003-SOG-I-73-WID1937, Variation #3) Cameron I-73 Well**

On March 10, 2020, the Office of the Regulator of Oil and Gas Operations (OROGO) received an amendment request and updated well program from Maurice Bujold, VP Completions and Well Intervention, Energy Works Management (EWM), on behalf of Alvarez & Marsal Canada ULC (A&M), receivers for Strategic Oil and Gas Ltd., for the suspension or abandonment of the Cameron I-73 well.

In order to review the proposed program, OROGO requests additional information, as set out in the attached Information Request No. 2.

Please submit your written responses and any associated correspondence to me by email at oro.go@gov.nt.ca or through OROGO's secure file transfer site.

Please submit your response on or before 4:00 pm on March 12, 2020. If you are unable to respond within this time frame or have any questions, please contact OROGO at (867) 767-9097 or by email at oro.go@gov.nt.ca.

Sincerely,



Pauline de Jong
Chief Conservation Officer

- c. Maurice Bujold, VP Completions and Well Intervention, EWM
Sean David, Senior Completions Engineer, EWM
Orest Konowalchuk, Managing Director, A&M

Bureau de l'organisme de réglementation des opérations pétrolières et gazières

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BUREAU DE L'ORGANISME DE RÉGLEMENTATION DES OPÉRATIONS PÉTROLIÈRES ET GAZIÈRES DES NT-O

Information Request No. 2

Alvarez & Marsal Canada ULC (A&M) ACW-2019-003-SOG-I-73-WID1937 Variation #3

2.1 Corrosion Inhibitor (Option A)

PREAMBLE: On March 10, 2020, Energy Works Management (EWM) submitted a proposed amendment to the program for the suspension or abandonment of the Cameron I-73 well.

Option A of the proposed amended program details the procedures to be undertaken should the wellbore be left suspended and compliant with the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (the Guidelines).

The amended program as submitted does not provide sufficient detail for OROGO to assess Option A. It should include information on the specific inhibitor chemical proposed, wellbore drawdown/inhibitor displacement volumes, effective distributed concentration of inhibitor in the wellbore fluid column and the procedures for how the inhibitor will be introduced into the wellbore.

REQUEST: Please provide an updated well program amendment that contains the following information for Option A:

- Specific inhibitor proposed to be introduced into the wellbore; and
- Method to introduce the inhibitor into the wellbore, including:
 - Volume of wellbore fluid to be removed and the method used for removal of the wellbore fluid to allow for the introduction of the inhibitor;
 - Expected volume of inhibitor to be introduced;
 - Anticipated distributed concentration of inhibitor throughout the wellbore; and
 - Procedures for introducing the inhibitor into the wellbore.

2.2 Abandonment Operations (Option B)

PREAMBLE: On March 10, 2020, Energy Works Management (EWM) submitted a proposed amendment to the program for the suspension or abandonment of the Cameron I-73 well.

Option B of the proposed amended program details the procedures to be undertaken should the wellbore be left abandoned and compliant with the Guidelines

The amended program as submitted does not provide sufficient detail for OROGO to assess Option B. It should include information on the methodologies the operator proposes to use in order to meet the requirements of Section 6E – Surface Abandonment Requirements of the Guidelines.

REQUEST: Please provide an updated well program amendment that contains the following information for Option B:

- Procedures to ensure casing strings are cut off at a minimum of 1 meter below the natural ground level; and
- Procedures to ensure surface, intermediate and production casing strings are capped at surface with a vented capping system: a steel plate that is fastened and installed in a manner as to prevent any potential for pressure to build up within the casings from the shallowest zonal abandonment to the surface, while restricting access to the casing strings at surface.