



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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Angie Stastook
Specialist Asset Liability & EGS
Prairie Provident Resources Canada Ltd.
SUITE 1100, 640 - 5th AVE SW
CALGARY AB T2P 3G4

January 28, 2022

Dear Angie Stastook:

Information Request No. 1: Application to Vary ACW-2021-PPR-2K-02-WID1993

On January 27, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received a request to vary ACW-2021-PPR-2K-02-WID1993 from Prairie Provident Resources Canada Ltd. (Prairie Provident). Prairie Provident is requesting a variation to the well abandonment program for the Mount Coty 2K-02 (WID1993) well.

OROGO has reviewed the information provided by Prairie Provident and requires additional information to complete its review of proposed new abandonment program, 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 January 31, 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. Clive Mountford, Chief Engineer, Vertex Resource Group Ltd.

Prairie Provident Resources Canada Ltd.
Application to Vary ACW-2021-PPR-2K-02-WID1993
Information Request No. 1

1.1 COMPROMISED TUBING

Preamble:

On January 27, 2022, the Office of the Regulator of Oil and Gas Operations (OROGO) received an application to vary the well approval for the Mount Coty 2K-02 (WID 1993) well from Prairie Provident Resources Canada Ltd. (Prairie Provident).

Based on the daily reports and documentation on operations completed to date, the failure of the tubing at 3,724 mKB has caused Prairie Provident to consider options for detaching the tubing from the permanent packer that are outside of the currently approved well abandonment program.

In its application to vary the well approval, Prairie Provident proposes to cut the 114mm tubing at 3,724 mKB and set a bridge plug at approximately 3,720 mKB. This is Prairie Provident's preferred option.

Section 6A of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines) requires the bridge plug to be set within 15 metres of the permanent packer (+/- 5m from a casing collar). In order to proceed with its preferred option, Prairie Provident would have to request an exemption to this requirement and provide a rationale justifying the location for placement of the bridge plug.

The application to vary the well approval also does not indicate that the setting of the bridge plug in 'Option 1' or 'Option 2' will include a pressure test, as required by section 6A of the Guidelines.

Request:

OROGO requires Prairie Provident to make every reasonable attempt to detach the tubing string from the permanent packer and remove it from the well bore.

Prairie Provident is required to submit an updated well abandonment program that details steps to be taken to attempt to unlatch and, if required, "jar" free the tubing from the permanent packer to allow the placement and pressure testing of a bridge plug within 15 metres of the permanent packer (+/- 5m from a casing collar).

The updated program should also include a contingency approach, should all reasonable attempts to remove the entire tubing string be unsuccessful. This contingency approach should include a request to OROGO for an exemption to section 6A of the Guidelines for the placement of the bridge plug. This request should include, but not be limited to:

- A detailed description of all efforts made to remove the entire tubing string;
- Well abandonment program steps on the placement of the bridge plug (3,720 mKB or lower if it is reasonably achievable to cut or detach the tubing at a lower depth) and pressure testing, as required by section 6A of the Guidelines; and
- Reasonable well killing operations, including details on weighted fluid.