



NWT OFFICE OF THE REGULATOR OF OIL AND GAS OPERATIONS

Office of the Regulator of Oil and Gas Operations

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Aaron V. Smith
Senior Vice President, Development and Operations
Obsidian Energy Ltd.
Suite 200, Penn West Plaza
207 – 9 AVE SW
CALGARY AB T2P 1K3

April 12, 2020

Dear Aaron Smith:

**Information Request No. 2: Application to
Abandon the North Liard C-31A Well (ACW-2019-006-OBS-C-31A-WID1907)**

On March 31, 2021, the Office of the Regulator of Oil and Gas Operations (OROGO) received an updated well abandonment program from Obsidian Energy Ltd. (Obsidian) for the North Liard C-31A well.

OROGO has reviewed the information provided by Obsidian and requires additional information in order to complete its review of Obsidian's application to abandon the North Liard C-31A well, as set out in the attached Information Request No. 2.

Please send your written responses and any associated correspondence to Peter Lennie-Misgeld at oro.go@gov.nt.ca or through OROGO's secure file transfer site on or before 4:00 p.m. on May 3, 2021. 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. 2

c. regulatory@obsidianenergy.com

Obsidian Energy Ltd.

Application for an Authorization to Alter the Condition of a Well

North Liard C-31A (ACW-2019-006-OBS-C-31A-WID1907)

Information Request #2

2.1 Well Classification

PREAMBLE:

In the updated Well Abandonment Program submitted by Obsidian on March 31, 2021, for the Fort Liard C-31A (WID1907) well, Section II, Well Data (Page 9) incorrectly classifies the well as Risk Level III. Section IV, Reservoir Properties, (page 12) notes the gas composition of the perforated Exshaw formation as 2% H₂S and 18% CO₂. Section 2 of the *Well Suspension and Abandonment Guidelines and Interpretation Notes* (Guidelines) defines an Acid Gas Well as a well that produces a combination of any amount of H₂S and CO₂ and classifies all Acid Gas wells as Risk Level I.

REQUEST:

Please submit an updated Well Abandonment Program that includes the following information:

- Correctly identifies the North Liard C-31A well as an acid gas well with a Level I Risk Classification.

2.2 Regulatory Contacts

PREAMBLE:

In the updated Well Abandonment Program submitted by Obsidian on March 31, 2021, for the Fort Liard C-31A (WID1907) well, Section VII, Contacts (Page 15), incorrectly identifies regulatory agencies and their contact numbers:

1. OROGO Emergency phone number (867) 445-8551. This number is OROGO's 24 hour Incident Reporting phone line. Operators must report all incidents and near-misses as soon as the circumstances permit by calling 1-867-445-8551;

2. OROGO Spill Response Line contact number (867-873-6924). This number is a facsimile contact number for the NWT Spill Line operated by the GNWT Department of Environment and Natural Resources (ENR). ENR's 24 hour Spill Report phone number is (867) 920-8130. Additional information on Spill Reporting requirements can be found on ENR's website (<https://www.enr.gov.nt.ca/en/services/report-spill>); and
3. Department of Indian Affairs and Northern Development, Fort Simpson contact number (867-695-2626). The GNWT Department of Lands (Lands), Dehcho Regional Office phone number is 867-695-2626. Additional information can be found on Lands' website (<https://www.lands.gov.nt.ca/en/regional-offices>).

REQUEST:

Please include the correct contact information FOR the relevant regulatory agencies and the appropriate contacts within those agencies in the updated Well Abandonment Program.

2.3 Proposed Final Wellbore Diagram

PREAMBLE:

In the updated Well Abandonment Program submitted by Obsidian on March 31, 2021, for the Fort Liard C-31A (WID1907) well, the proposed final wellbore diagram (Appendix B) does not reflect the updated Abandonment Program Steps.

While the Abandonment Program identifies circulating 30m of cement on a permanent bridge plug at 1960 mKB and cement retainer at 1692 mKB (Steps 13 and 17), the proposed well bore diagram shows only two 15m circulated cement plugs at these elevations with a bridge plug at 1692mKB.

REQUEST:

Please include an updated proposed final wellbore diagram that reflects the placement of 30 m cement plugs and the use of cement retainer(s) in the updated Well Abandonment Program.