



Pauline de Jong
Regulator
Office of the Regulator of Oil and Gas Operations
PO Box 1320, Yellowknife, NWT X1A 2L9

October 4, 2023

Dear Pauline de Jong:

Re: Well Operations Report, North Liard Well Abandonment (ACW-2019-006-OBS-C-31A-WID1907) – Obsidian Energy

Summary of Operations

Mobilization of equipment began on 8/31/2023 from PPR's L-68 location. All equipment was moved onto location and rigged up as per OROGO and AER specifications. The 11" x 5K BOP stack was installed and pressure tested and the well pressure was taken. The well was bled down from 12,500 kPa on both sides to zero and circulated over to fresh water. The 60.3 mm tubing was pulled from the wellbore and showed signs of heavy pitting. 103 joints of 60.3 mm were pulled from the wellbore, which was 84 joints shy of the total as the tubing parted downhole.

An impression block was run and found the tubing top to be at 1025.8 mKB. Several fishing runs were made to attempt to fish the tubing from the wellbore. Unfortunately, only ~12 m of tubing was ultimately recovered due to the severe stress cracking and corrosion on the tubing. A Variance was requested and approved to perform a 30 m³ Retainer Cement Squeeze.

A casing scraper was run down to 1036 mKB to clean the casing and a Cement Retainer was set at 1031 mKB and successfully pressure tested. A cement squeeze was performed below the cement retainer to cement off the Exshaw perforations and fill the entire casing void from ~1800 mKB to ~1031 mKB with cement. A 30 m cement cap was left on top of the cement retainer with the cement top at ~1000 mKB. The well was left with fresh water in the wellbore.

The well was then cut and capped as per OROGO regulations. All equipment was rigged out and moved off location on 9/12/2023.

Completion Fluid Properties

Fresh water was the only completion fluid utilized in this operation.

Downhole Schematic

This well was cut and capped. Below is the post abandonment wellbore schematic.





YELLOWSTONE
RESOURCES

Rig Release Date

PWS 126 was rig released on 9/12/2023.

Regards,

Jeremy Sadleir

Jeremy Sadleir, P.L. (Eng.)
Completions Engineer

Craig Langford

Asset Retirement Advisor
Obsidian Energy Ltd