



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, South Pointed Mountain L-68 Well Abandonment (ACW-2021-PPR-L-68-WID1207)
– Prairie Provident Resources

Summary of Operations

Mobilization of equipment began on 7/29/2023 to L-68. All equipment was moved onto location and rigged up as per OROGO and AER specifications. The wellhead pressure initially showed 7,800 kPa and was bled down to 0 kPa on both sides. While monitoring the well after bleed off a hydrate let go downhole and the shut in tubing pressure increased to 11,400 kPa. A slickline gauge ring run was made and found an obstruction at 26 mKB.

A 1.5" coiled tubing unit and hot oiler were mobilized and rigged up on the wellbore. The coil worked through the ~50 m hydrate near surface and then went down to the WR Plug at 3339 mKB. The wellbore was circulated over to fresh water. During this time the wellbore pressure was recorded at 19,600 kPa, indicating the WR Plug was leaking and showing the true reservoir pressure.

A 2 3/8" coiled tubing unit and fluid pump were mobilized to location. Several coiled tubing runs were made to attempt to fish the WR Plug. The WR was finally retrieved, although it had moved ~11 m uphole. A Variance was requested and approved to set a cement retainer above the Exshaw perforations and perform a single cement squeeze on the Exshaw and Muskwa formations. The BHP was recorded at 52 MPa. The cement retainer was set at 3330 mKB.

A retainer cement squeeze was performed by placing 9 m³ of cement below the retainer into all sets of perforations and then circulated 80 linear meters of cement on top of the retainer for a cement top inside the 114.3 mm frac liner for a cement top of ~3250 mKB.

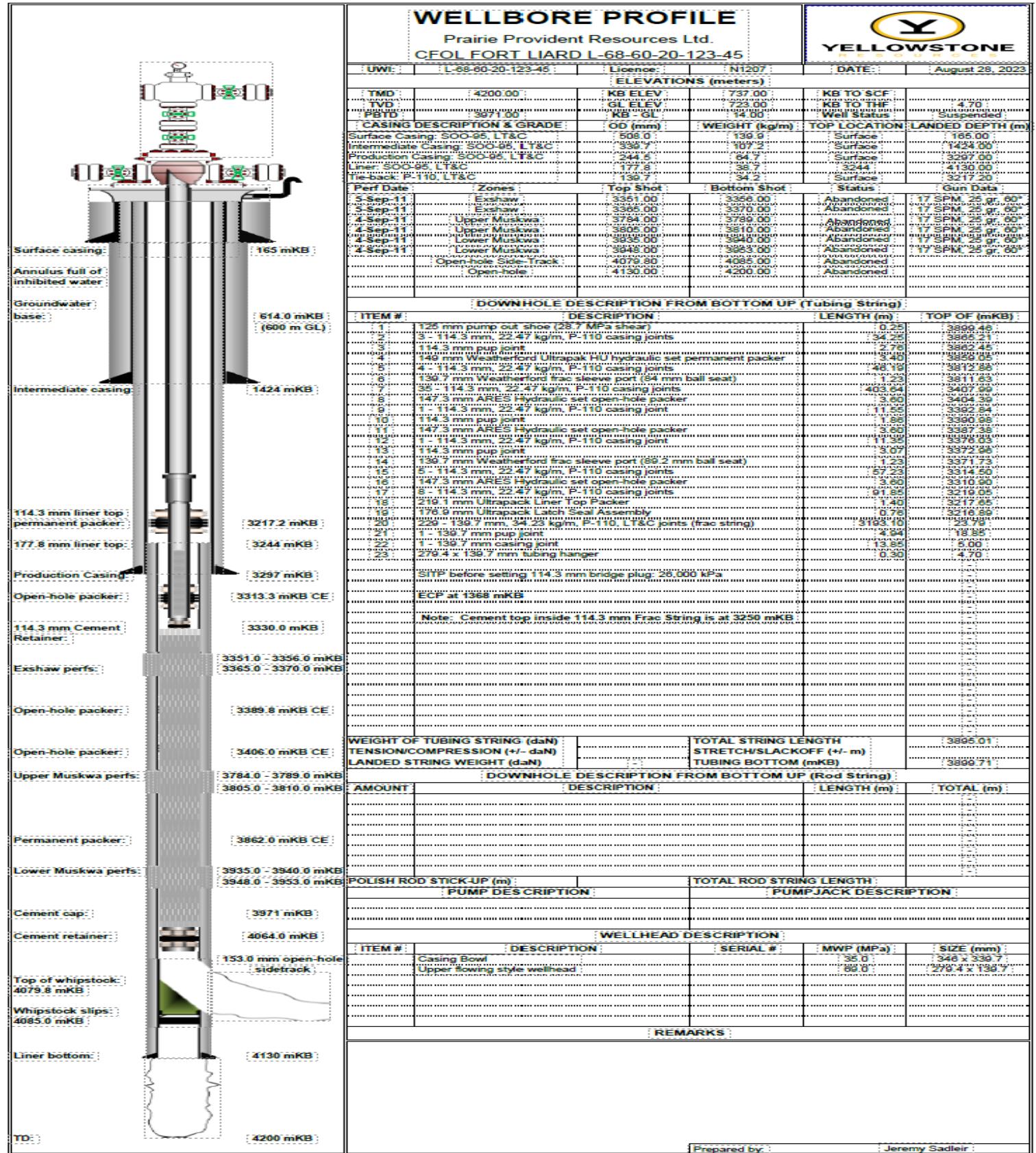
Rig operations were completed at this point until 2024.

Completion Fluid Properties

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

Downhole Schematic

Below is the post abandonment wellbore schematic.





Rig Release Date

PWS 126 was rig released on 8/29/2023.

Regards,

Jeremy Sadleir

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

Angie Stastook

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