



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.

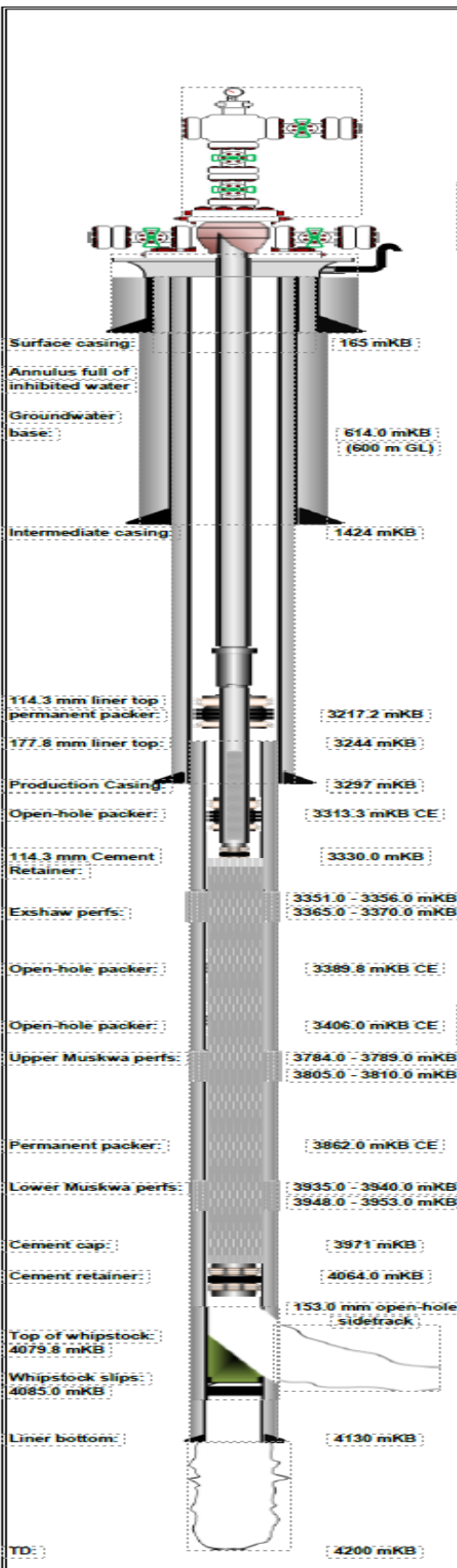
Rig operations were completed at this point until 2024.

Completion Fluid Properties

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

Downhole Schematic

Below is the post abandonment wellbore schematic.



WELLBORE PROFILE					
Prairie Proviident Resources Ltd.					
CFOL FORT LIARD L-68-60-20-123-45					
UWI:	L-68-60-20-123-45	Licence:	N1207	DATE:	August 28, 2023
ELEVATIONS (meters)					
TMD	4200.00	KB ELEV	737.00	KB TO SCF	
TVD		GL ELEV	723.00	KB TO THE	4.70
P8TD	3971.00	KB GL	14.00	Well Status	Suspended
CASING DESCRIPTION & GRADE		OD (mm)	WEIGHT (kg/m)	TOP LOCATION	LANDED DEPTH (m)
Surface Casing: SOO-95, LT&C		508.0	139.0	Surface	165.00
Intermediate Casing: SOO-95, LT&C		339.7	107.2	Surface	1424.00
Production Casing: SOO-95, LT&C		244.5	64.7	Surface	3297.00
Liner: SOO-85, LT&C		177.8	38.7	Surface	4130.00
Tie-back: P-110, LT&C		139.7	34.2	Surface	3217.20
Perf Date	Zones	Top Shot	Bottom Shot	Status	Gun Data
5-Sep-11	Exshaw	3351.00	3356.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3365.00	3370.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3389.80	3394.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3406.00	3411.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3422.20	3427.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3438.40	3443.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3454.60	3459.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3470.80	3475.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3487.00	3492.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3503.20	3508.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3519.40	3524.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3535.60	3540.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3551.80	3556.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3568.00	3573.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3584.20	3589.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3600.40	3605.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3616.60	3621.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3632.80	3637.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3649.00	3654.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3665.20	3670.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3681.40	3686.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3697.60	3702.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3713.80	3718.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3730.00	3735.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3746.20	3751.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3762.40	3767.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3778.60	3783.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3794.80	3799.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3811.00	3816.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3827.20	3832.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3843.40	3848.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3859.60	3864.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3875.80	3880.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3892.00	3897.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3908.20	3913.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3924.40	3929.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3940.60	3945.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3956.80	3961.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3973.00	3978.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	3989.20	3994.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4005.40	4010.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4021.60	4026.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4037.80	4042.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4054.00	4059.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4070.20	4075.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4086.40	4091.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4102.60	4107.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4118.80	4123.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4135.00	4140.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4151.20	4156.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4167.40	4172.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4183.60	4188.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4199.80	4204.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4216.00	4221.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4232.20	4237.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4248.40	4253.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4264.60	4269.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4280.80	4285.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4297.00	4302.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4313.20	4318.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4329.40	4334.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4345.60	4350.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4361.80	4366.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4378.00	4383.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4394.20	4399.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4410.40	4415.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4426.60	4431.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4442.80	4447.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4459.00	4464.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4475.20	4480.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4491.40	4496.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4507.60	4512.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4523.80	4528.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4540.00	4545.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4556.20	4561.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4572.40	4577.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4588.60	4593.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4604.80	4609.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4621.00	4626.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4637.20	4642.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4653.40	4658.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4669.60	4674.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4685.80	4690.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4702.00	4707.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4718.20	4723.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4734.40	4739.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4750.60	4755.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4766.80	4771.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4783.00	4788.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4799.20	4804.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4815.40	4820.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4831.60	4836.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4847.80	4852.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4864.00	4869.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4880.20	4885.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4896.40	4901.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4912.60	4917.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4928.80	4933.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4945.00	4950.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4961.20	4966.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4977.40	4982.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	4993.60	4998.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5009.80	5014.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5026.00	5031.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5042.20	5047.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5058.40	5063.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5074.60	5079.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5090.80	5095.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5107.00	5112.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5123.20	5128.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5139.40	5144.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5155.60	5160.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5171.80	5176.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5188.00	5193.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5204.20	5209.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5220.40	5225.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5236.60	5241.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5252.80	5257.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5269.00	5274.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5285.20	5290.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5301.40	5306.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5317.60	5322.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5333.80	5338.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5350.00	5355.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5366.20	5371.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5382.40	5387.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5398.60	5403.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5414.80	5419.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5431.00	5436.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5447.20	5452.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5463.40	5468.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5479.60	5484.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5495.80	5500.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5512.00	5517.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5528.20	5533.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5544.40	5549.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5560.60	5565.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5576.80	5581.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5593.00	5598.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5609.20	5614.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5625.40	5630.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5641.60	5646.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5657.80	5662.80	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5674.00	5679.00	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5690.20	5695.20	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5706.40	5711.40	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5722.60	5727.60	Abandoned	17 SPM, 25 gr, 60"
5-Sep-11	Open-hole Side-Track	5738.80	5743.80	Abandoned	17 SPM, 25 gr, 60"



YELLOWSTONE
RESOURCES

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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