

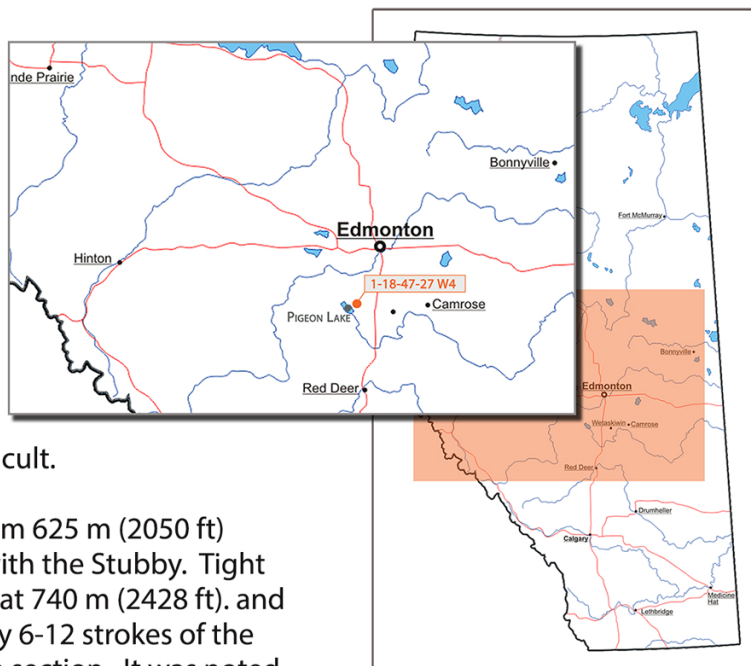
Fairborne Energy

1-18-47-27 W4
 Pigeon Lake, AB
 Savanna 619

Longhorn was called out for our third tool run for Fairborne Energy in three weeks, this time near Pigeon Lake, Alberta southwest of Edmonton. This area is well known for casing issues due to multiple long coal zones. The well had a total measured depth of 1808 m (5931 ft), and several coal seams and obstructions that were likely to make the task difficult.

The first tight spot, consisting of ledges, was encountered from 625 m (2050 ft) through to 640 m (2099 ft), and was easily worked through with the Stubby. Tight spots were tagged again at 720 m (2362 ft), a 5 meter bridge at 740 m (2428 ft), and another bridge at 950 m (3117 ft). In each case, approximately 6-12 strokes of the Stubby was employed each time to work through the trouble section. It was noted on location that each one meter tool stroke was advancing the string approximately one to two feet. A few hours later, the string began to enter the bend section, and was frequently held up by various bridges and coal seams. Bridges were encountered at 1492 m (4895 ft), 1499 m (4918 ft), 1512 m (4961 ft), and from 1540m to 1553 m (5052 to 5095 ft). The Stubby was able to clear past the obstructions with incremental consistent advancement of the casing string.

The casing was landed at TD with no issues or delays. This hole turned out to be the most difficult well that Longhorn has encountered to date, and the personnel on lease were surprised at the effectiveness of the tool in such adverse conditions. With eight tight spots and hundreds of meters of fill, the tool proved beyond question that it was equal to the challenge. Fairborne's office commented afterwards that the tool run was very successful, and it was their belief that they would have had to pound their casing string to bottom without the aid of the Stubby.



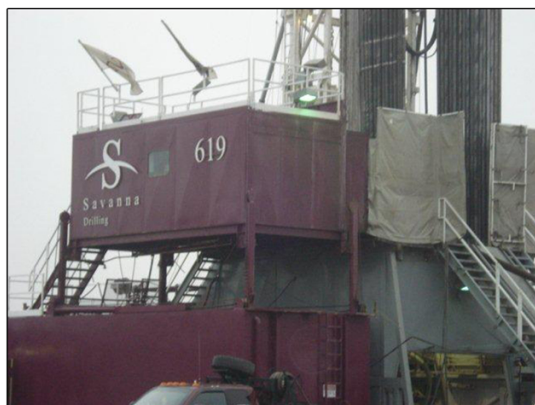
Run Summary

Client:	Fairborne Energy
Company Man:	Terry Gorgichuk
Tool:	7" Stubby PDC Drillable
Bit:	7" Bridge Breaker
Target:	7" Intermediate Casing
Hole Size:	222.25 mm / 8 3/4"
TMD:	1808 m / 9662 ft

Expected Issues	Ledges Bridges Coal Seams
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Total Run Time:	16 Hours
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Noteworthy
 The Stubby worked through 3 coal seams and 6 bridges, and landed the casing at TD, as expected.



ABOVE: Savanna 619 RIGHT: Open Stubby tool in the slips

