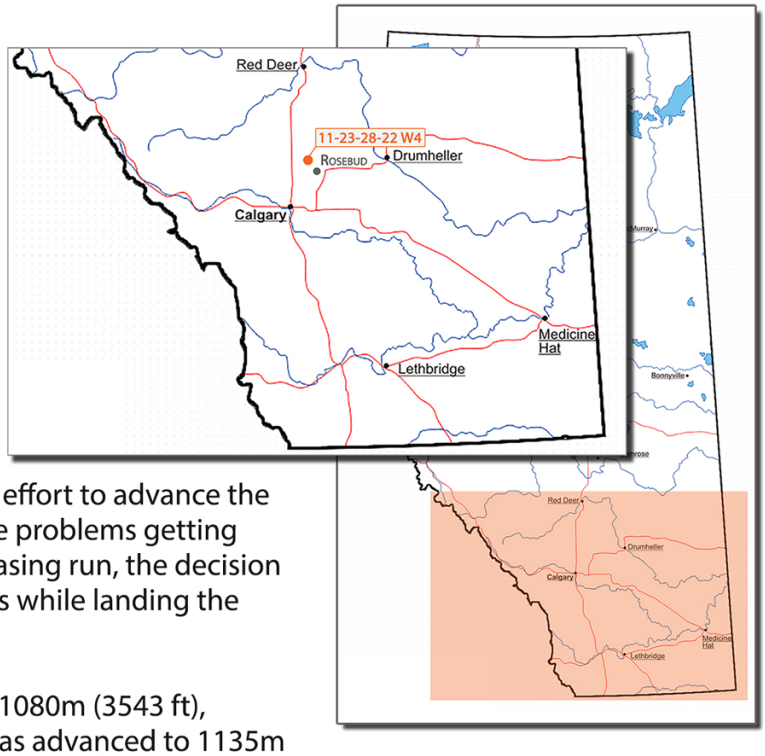
LONGHORN CASING TOOLS

FillDrill

Encana Corporation

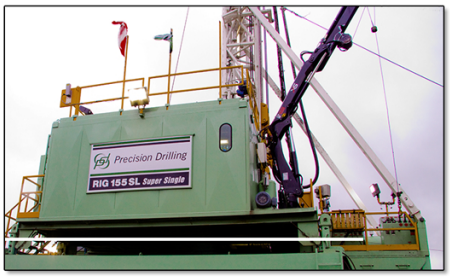
11-23-28-22 W4
Rosebud, AB
Precision Drilling Rig 155



Longhorn received a call from Encana requiring a tool for a casing trip later that afternoon. The well was a vertical well drilled to a depth of 1325 m (4347 ft). Earlier in the week they had lost the mandrel, bit and the bottom sub from a mud motor in the hole. After fishing for a little over a week and recovering everything but the mandrel and bit, Encana conducted milling and cleaning operations in an effort to advance the project. After running two wiper trips they continued to have problems getting the drill string through various tight spots. Prior to the first casing run, the decision was made to utilize a 4 ½" Fill Drill to deal with the tight spots while landing the string in an expedient manner.

On lease, Longhorn was told of tight spots at approximately 1080m (3543 ft), 1137 m (3730 ft), and finally at 1210 m (3969 ft). The string was advanced to 1135m before we hit the first tight spot. The casing string was reciprocated 3 times and was able to clean its way throught the tight spot. Once through, we continued to run in with the casing. and encountered two more tight spots closer to bottom. The Fill Drill was able to stroke through both of these as well. We landed the casing for Encana approximately 2 meters from bottom, Encana's desired depth to land the string without getting caught up in any junk that had been pushed to the bottom of the hole.

This run was a good test, allowing us to utilize the tool to deal with obstructions in adverse well conditions.



Left: Fill Drill through table **Upper Right:** Fill Drill in catwalk **Bottom Right:** Precision Drilling Rig 155 SL

Run Summary

Client:	Encana Corporation
Company Man:	Jack Whitmarsh
Tool:	4.5" Fill Drill
Bit:	4.5" Negotiator
Target:	4.5" Production Casing
Hole Size:	155.58 mm / 6 1/8"
TVD:	1325 m/ 4347 ft
Expected Issues	Tight Spots Bridges Milling Debris
Total Run Time:	7 Hours

Noteworthy

The tool was worked through 3 major tight spots and land the casing string at TD.