



ReedHycalog sets new performance benchmarks with Phoenix drill bits in New Zealand

Challenge:

- Drill the long deviated 12 ¼” section containing very hard volcanic and sedimentary rocks in a single run to TD
- Complete the section in single run with low cost per foot
- Directional drilling to avoid existing production well

Solution:

- 12 ¼” FTKC76 Phoenix series with ION 4DX cutter technology and stability enhancing HDI features was developed

Results:

- Exceeded customer expectations and set new performance benchmarks for ROP and meterage
- Completed the section in a single run, replacing multiple bit runs
- 15% higher ROP compare to the best offset while drilling much deeper
- Met all the directional targets with excellent steerability and stability – built from 6 to 20 deg inclination and drop to 13 degrees
- Outstanding dull grade: 0-1-BT-S-X-I-WT-TD



Client	Classified
Country	New Zealand
Date	May 2020
Lithology	Ignimbrite, Andesite and Breccia
Total Meterage	1203m
Issues	Hard Rock, Total Losses, Well Profile & collision issues
ROP	15.6m/hr
Drive Type	Motor
Dull Bit Grade	0-1-BT-S-X-I-WT-TD