

S U M M A R Y

The Mt. Charlotte No. 1 well was drilled by TRANSOIL (N.T.) PTY. LTD., as Operator, to a final depth of 6,943 feet as a stratigraphic and structure test of the Mount Charlotte Anticline in the Amadeus Basin of the Northern Territory.

Oil Drilling & Exploration Ltd. owned and operated the National T-32 rig which was used, and Exoil No Liability supplied the supervisory technical personnel. The well was spudded on 12th December, 1964. It was plugged on 6th February, 1965, in dolomite and shale with some salt of Pre-Cambrian Bitter Springs Formation. The intermediate casing was perforated between 1540 and 1545 feet for conversion to a water well.

While penetrating the Bitter Springs Formation, some gas shows were encountered, but were proved by drill stem testing to be associated with black shales.

RESUME OF DRILLING OPERATIONS

Drilled 12 $\frac{1}{4}$ " hole with mud from surface to 308 feet and opened to 17 $\frac{1}{2}$ ". Ran 13 $\frac{3}{8}$ " casing to 303 feet and cemented to surface. Mist drilled 12 $\frac{1}{4}$ " hole to 1832 feet, logged hole. Ran 9 $\frac{7}{8}$ " casing to 1831 feet and cemented to surface. Air drilled 8 $\frac{3}{4}$ " hole to 2308 feet. Air drilled 8 $\frac{3}{4}$ " hole with Hammerdril to 2609 feet. Air drilled 8 $\frac{3}{4}$ " hole without Hammerdril to 4608 feet. Air drilled 8 $\frac{3}{4}$ " hole with Hammerdril to 4858 feet. Encountered water and drilled 8 $\frac{3}{4}$ " hole with salt water to 6135 feet testing small gas shows. Ran Velocity survey. Drilled 8 $\frac{3}{4}$ " hole with salt water to 5005 feet, logged hole. Drilled 8 $\frac{3}{4}$ " hole with salt water to 6937 feet, cut bottom hole core 6937 feet to 6943 feet. Logged hole and plugged back to 1683 feet. Perforated 9 $\frac{5}{8}$ " casing from 1540 feet to 1545 feet for conversion to a water well.