

S U M M A R Y

The East Mereenie No. 3 well was drilled to a total depth of 5215 feet on the southern flank of the Mereenie Anticline, approximately 150 miles west-south-west of Alice Springs in the Northern Territory.

The well, which was located approximately one mile south-west of East Mereenie No. 1, spudded in Pertnjara sediments of probable Devonian age and bottomed in Upper Pacoota sediments of probable Ordovician age. The well was plugged and abandoned after extensive testing of several zones in the Upper Pacoota formation.

Weak, intermittent puffs of gas were obtained from the Upper and Lower Stairway Sandstones. The well penetrated the Pacoota Sandstone within the oil column; the gas/oil and oil/salt water contacts were, therefore, not determined in this well. Available evidence suggests that these contacts are uniform and horizontal throughout the field. The well penetrated 313 feet of Upper Pacoota Sandstone within the oil column. Testing carried out shows a strong decrease in permeability compared with East Mereenie No. 1.

The well was the second successfully gas drilled well in Australia and the first well on the Mereenie Field to be directionally drilled.

The well was drilled vertically to 2700 feet and directionally drilled below this depth. By effective use of directional drilling techniques the well achieved approximately 1000 feet of horizontal drift.

The target for this test, permeable sands within the Upper Pacoota, was penetrated, however the sands on the south flank were found to have decreased in gross permeability compared with the development at East Mereenie No. 1.

The well was plugged and abandoned as a dry hole.