Bloch, 1991 Data Set 5

Reference: Bloch, S., 1991, Empirical prediction of porosity and permeability in sandstones: American Association of Petroleum Geologists Bulletin, v. 75, n. 7, p. 1145-1160.

Reference: Bloch, S., and C.D. Atkinson, 1990, Controls on reservoir quality in the giant Yacheng gas field: American Association of Petroleum Geologists Bulletin (abstract), v. 74, p. 613.

Author's affiliation: Arco Oil and Gas Company

Age: Oligocene-Miocene

Formation: not given

Location: Yacheng Field, South China Sea

Wells: not given

Depth range: not given

Depositional Environments: "The paleoenvironments range from basement regoliths and proximal fan-deltaic sediments deposited in lacustrine settings through increasingly more marine, tidally influenced distal fan-delta braided streams and estuarine channels, and eventually littoral beaches and offshore sublittoral bars."

Lithology: "The sandstones were derived from a basement uplift, and range in composition from lithic arkoses to feldspathic litharenites.."

Alteration: "Secondary porosity, formed by dissolution of potassium feldspar, constitutes up to 30% of the total thin-section porosity…"

Production: gas

Core measurement conditions: not given.

Data entry: manual entry from Table 1 and Figures 8 and 9 of Bloch (1991)