

Ganer, 1985

Data Set 25

Reference: Ganer, B.L., 1985, Case history of Cotton Valley sand log interpretation for a North Louisiana field: Journal of Petroleum Technology, Nov., p. 1995-2005.

Author's affiliation: Union Texas Petroleum Co.

Age: Late Jurassic

Formation: Cotton Valley Formation

Location: Terryville Field, North Louisiana Salt Basin, Louisiana, United States

Wells: Cores from 4 wells: Dowling 29-1, Crawford 32-1, Hood 12-1, Dowling 30-1.

Depth range: 9,670 - 10,800 feet

Lithology: "The Cotton Valley sand is predominantly a sand/shale sequence. ... Core analysis reports indicate that the sands are generally fine to very fine grain with calcareous cement. ... Chert, pyrite, and mica were observed also."

Alteration: "Calcareous cementation of the sand is typical of the entire Cotton Valley. Although the Cotton Valley samples are predominantly quartz, there are many intervals, particularly in the Sexton and Taylor sands, that are composed of more than 50% (secondary) carbonate. These intervals are significant because as part of the Sexton or Taylor sand sections, they have produced gas. Carbonates identified are calcite, ankerite, and siderite."

Production: gas

Core measurement conditions: not given.

Data entry: manual entry from Figures 5, 6, and 7 of the referenced paper.