

同上，第 12 頁。

proposes a method to calculate pore volume compressibility from logs that shows reasonable agreement with direct measurements on both whole cores and rotary-sheared cores... Liu et al. (2006) quote a range of compressibilities between 1 and 10 microstrain for 2 km of Miocene reservoirs of similar geological age to Macondo, with a mean value of 3 microstrain.

Other papers from the USGS present an overview of the compressibility of sand of Mexico sandstones. The discontinuous types of sandstone, the first are poorly consolidated and highly compressible with a compressibility that increases as the fluid pressure decreases. The reported compressibilities at high as 200 microstrain. In Mexico, however, the sandstone is of the second type [again this is clear from a study of data from other fields in the Gulf of Mexico provided by BP⁽¹⁾], with a lower density and a compressibility that decreases with declining pore pressure. We request one set of measurements with values less than 10 microstrain.

There are correlations in the literature to predict pore volume compressibility from porosity for sandstones. For instance, the Hall (1953) correlation can be used to calculate compressibility from porosity. For dolomites, this gives a value of 3.5 GPa⁻¹.

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Based on the results of the literature.

I conclude, by reference, with Figure 8.1 which shows the correlations used by RP to estimate atmospheric before fitting. With constant ARI a value of 0.1 results, the translatable matrix emphasizes the importance of dividing the rates with directly measured data.

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