

EXHIBIT 5

PUBLISHED MAP OF PICTURED CLIFFS PRODUCTION, SATURATION AND PERMEABILITY TRENDS

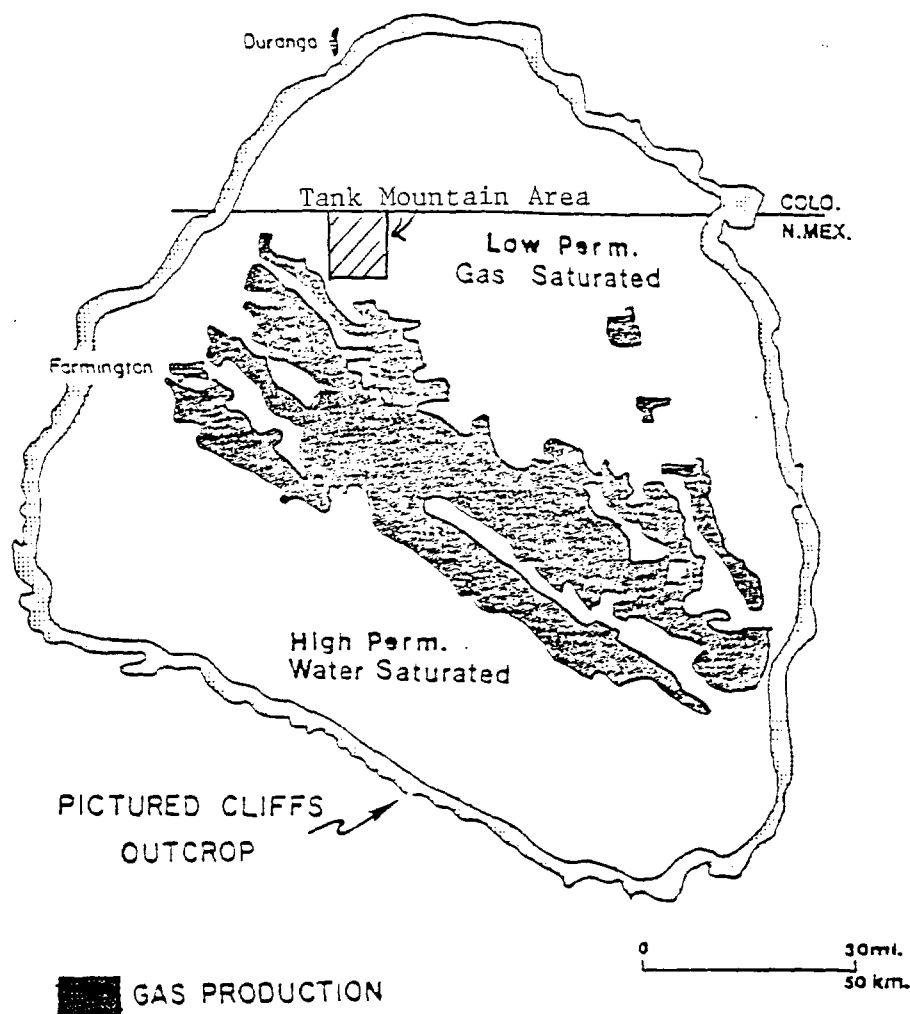


Figure 37. Distribution of producing and non-producing zones of the Pictured Cliffs. To the northeast of the gas-producing zone the sandstones are gas-saturated, but have very low permeability; to the southwest, the sandstones are relatively permeable, but are water saturated. (modified from Brown, 1973)

From: Cumella, S.P., 1981,
Sedimentary History and Diagenesis of the Pictured
Cliffs Sandstone, San Juan Basin, New Mexico and
Colorado. University of Texas at Austin Masters
Thesis. Report No. UT 81-1.

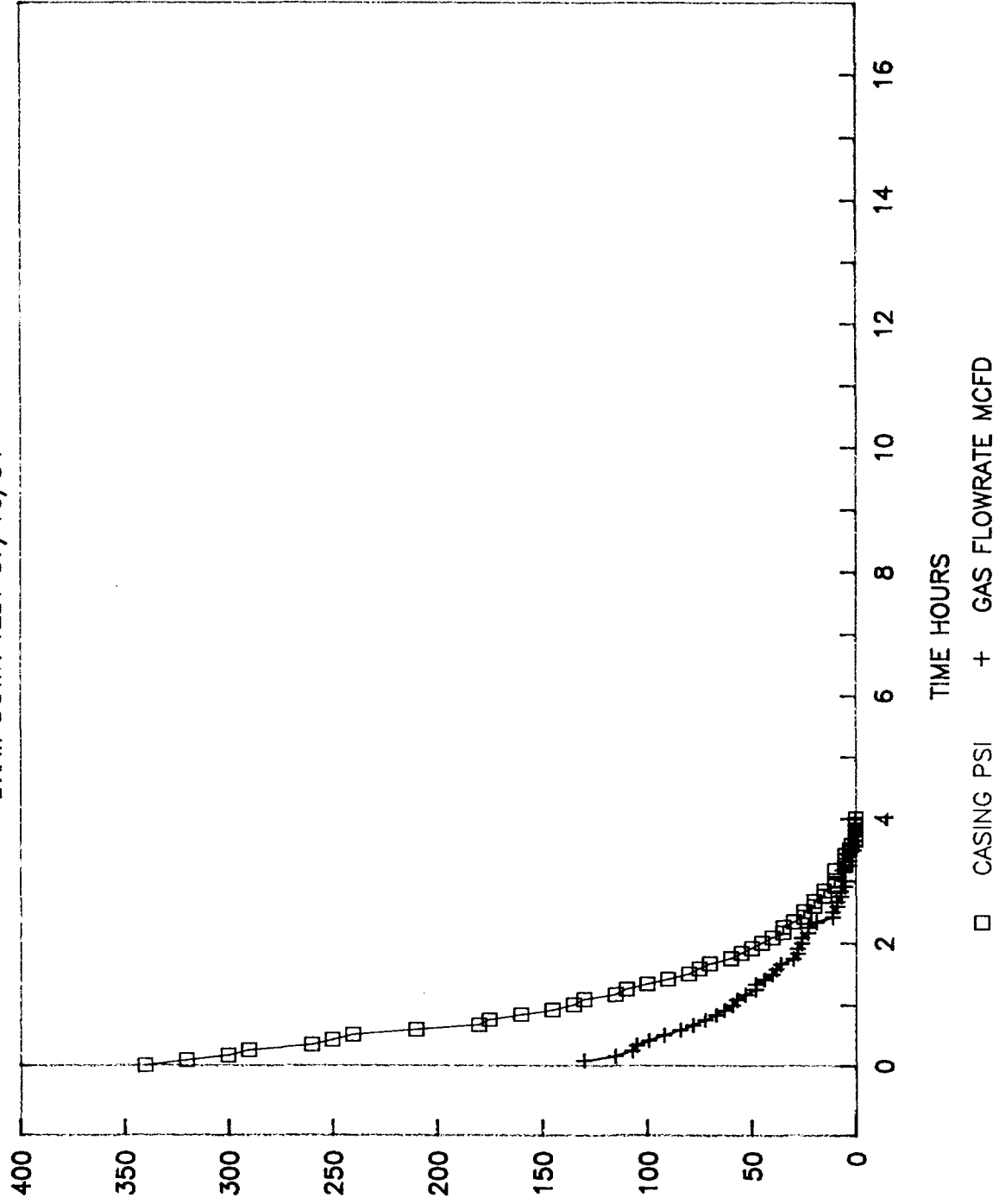
EXHIBIT #6

Pretreatment Flow Test

The San Juan Unit 32-9 #106 is located in the SE/4 of Section 17-31N-9W San Juan County, New Mexico. On June 19, 1991 the well was perforated from 3398' to 3420' and 3434'-3450' with 8 shots per foot in an under balanced condition to minimize possible skin damage. The well was then shut in for 27 days. The well was flow tested on July 16, 1991. Initial shut in casing pressure was 340 psi. The well was then flow tested starting with an 8/64 choke to the atmosphere. The gas rate started at 130 mcf/d and dropped to 0 in 4 hrs. Gas rates were recorded every 5 minutes. The well had a stabilized production rate of less than 1 Mcf/day. This is below the maximum allowable production rate of 91 Mcf/day.

SAN JUAN 32-9 UNIT #106

DRAW DOWN TEST 07/16/91



SAN JUAN 32-9 UNIT #106

PRESSURE FALLOFF TEST

