

OIL SYSTEM CORRELATIONS

22-11

EXAMPLE

REQUIRED:

Formation volume of 200°F of a bubble-point liquid having a gas-oil ratio of 350 CF8, a gas gravity of 0.75, and a tank-oil gravity of 30 °API.

PROCEDURE:

Starting at the left side of the chart, proceed horizontally along the 350 CF8 line to a gas gravity of 0.75. From this point drop vertically to the 30 °API line. Proceed horizontally from the tank-oil gravity scale to the 200°F line. The required formation volume is found to be 1.22 barrel per barrel of tank-oil.

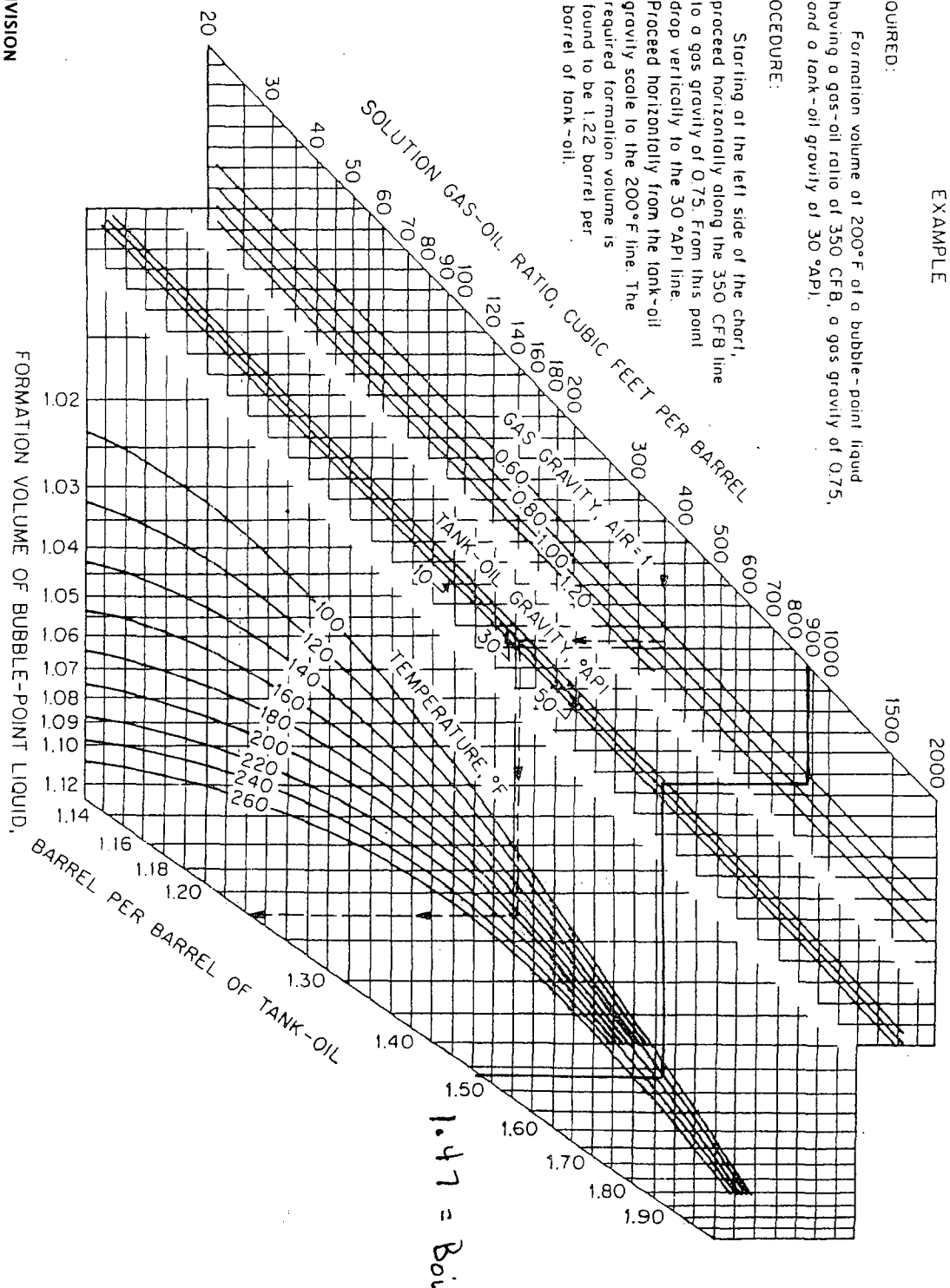


Fig. 22.9—Chart for calculating oil-formation volume by Standing's correlation.

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Case No. 13629 Exhibit No. 14
Submitted by:
YATES PETROLEUM CORPORATION
Hearing Date: January 19, 2006