

INTRODUCTION

The purpose of this report, which was prepared in cooperation with the city of Houston, the Harris-Galveston Coastal Subsidence District, and the Texas Department of Water Resources, is to show the altitudes of water levels in wells in the Chicot and Evangeline aquifers in the Houston, Texas, metropolitan area. The maps are based on water-level measurements in 1979 and 1980 in about 500 wells.

Both the Chicot and Evangeline aquifers are composed of several sand layers with different potentiometric surfaces. These maps, however, show approximations of single potentiometric heads. Maps showing the altitudes of water levels have been published in many reports on ground-water development in the Houston area, the most recent of which (Gabrysch, 1979) presented maps of the altitudes of potentiometric surfaces for 1977 and 1978.

REFERENCE CITED

Gabrysch, R. K., 1979, Approximate altitude of water levels in wells in the Chicot and Evangeline aquifers in the Houston area, Texas, spring, 1977 and spring, 1978: U.S. Geological Survey Open-File Report 79-334.

EXPLANATION

---100--- WATER-LEVEL CONTOUR--Shows altitude at which water level would have stood in tightly cased wells. Contour interval 25 feet. Datum is National Geodetic Vertical Datum of 1929

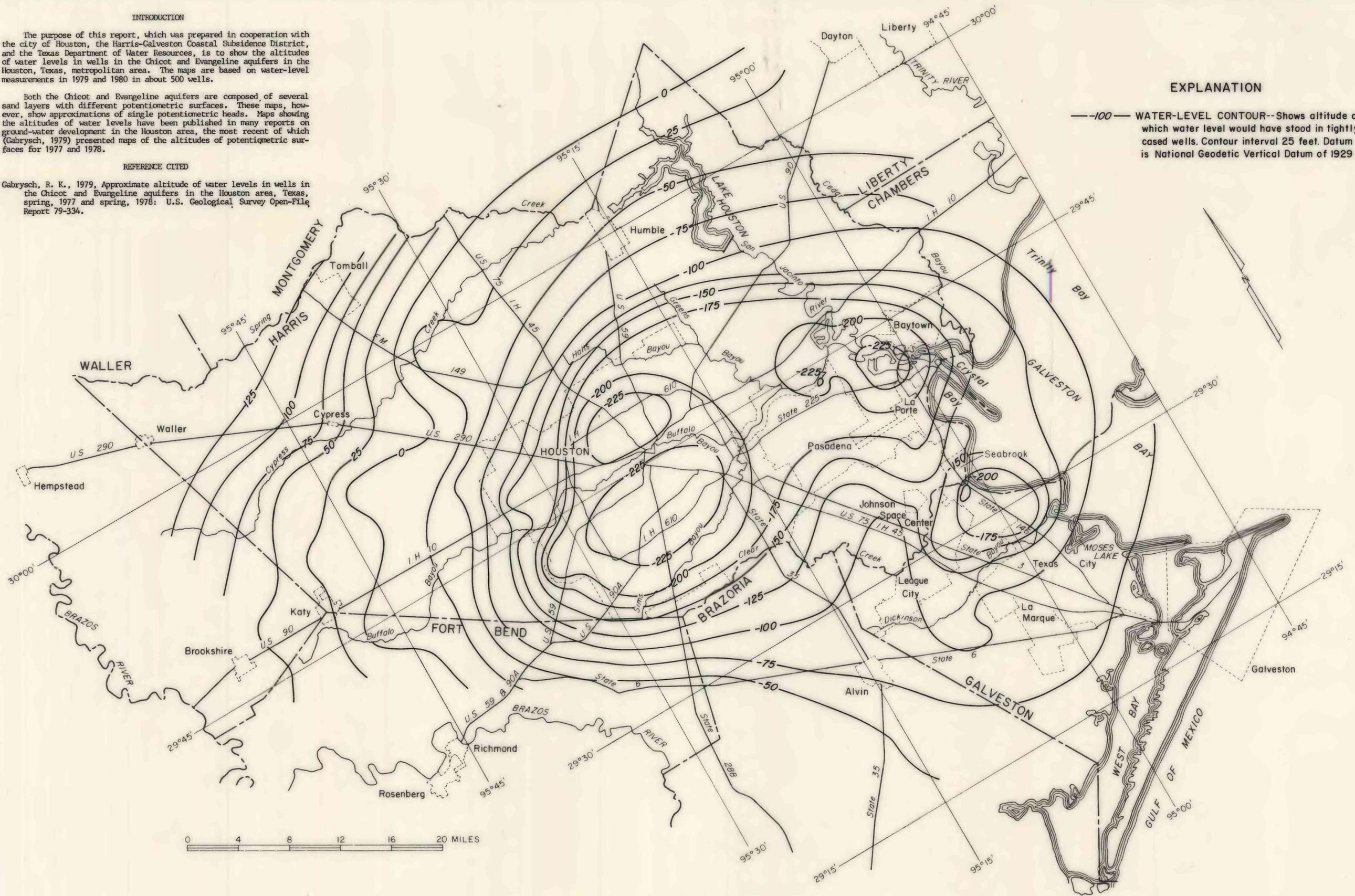


FIGURE 1.--Approximate altitude of water levels in wells in the Chicot aquifer, Spring 1979

Base from Texas Highway Department county highway maps

APPROXIMATE ALTITUDE OF WATER LEVELS IN WELLS IN THE CHICOT AND EVANGELINE AQUIFERS IN THE HOUSTON AREA, TEXAS, SPRING 1979 AND SPRING 1980

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