

THE STRUCTURAL GEOLOGY AND HISTORY OF THE FAIRWAY FIELD AREA, HENDERSON AND ANDERSON COUNTIES, TEXAS

BRUCE W. FOX¹
TYLER, TEXAS

ABSTRACT

The Fairway Field area is on an interdomal surface high and seismic prospect well known in East Texas. Fairway Field proper covers approximately 23,000 acres, with development still taking place; the field limits are undefined to the southeast and southwest. Two small accumulations, Isaac Lindsey Field and Frankston Field, are located on the same structural feature.

This paper discusses the structural history of the area as well as the lithology and reservoir characteristics of the producing horizons. Oil production in Fairway Field is obtained from the Massive Anhydrite, Rodessa, James, and Pettet formations. One fault block on the southwest end of the field produces gas-condensate from the James. The same formation in Isaac Lindsey Field is the source of gas-condensate, and in Frankston Field of oil. The importance of the time of structural growth in relation to the James reef deposition will be discussed in detail.

¹The Atlantic Refining Company.