BUENA VISTA FIELD
JEFFERSON COUNTY, MISSISSIPPI

LOCATION
The Buena Vista Field is located in Township 10 North, Range 2 West, Jefferson County. The field lies along the Mississippi River directly across from the Locust Ridge and Rodney Island Fields, Louisiana.

EXPLORATION LEADING TO DISCOVERY
Seismic work led to the discovery of the Buena Vista Field.

DISCOVERY WELL
HUMBLE, H. A. Phillips No. 1, Sec. 6-T10N-R2W. Completed September 25, 1953 through perforations from 9160 to 9172 feet in the Lower Tuscaloosa formation. Flowed 445 MCF gas and 14 barrels of 56.6° gravity distillate per day, plus 96% salt water, through 1/4" choke. TP 1100 psi, GOR 1,800:1. Total depth: 9524 feet.

OLDEST STRATIGRAPHIC HORIZON PENETRATED
ATLANTIC REFINING COMPANY, H. A. Phillips No. 1, Sec. 10-T10N-R2W. Drilled to total depth of 10,316 feet. Penetrated 300 feet into the Paluxy formation of the Lower Cretaceous. Non-commercial shows of oil were recorded in the Lower Tuscaloosa formation. No shows were recorded in the Lower Cretaceous.

NATURE OF TRAP
Unknown.

ORIGINAL GAS-WATER CONTACT
Lower Tuscaloosa pool: 9111 feet

PRODUCTIVE AREA
Lower Tuscaloosa pool: 320 acres

LITHOLOGY OF RESERVOIR ROCKS
The "Massive" sand of the Lower Tuscaloosa formation is, at Buena Vista, a fine to coarse grained, gray-green, ashy sand, porous and slightly permeable. It is overlain by a thick section of marine shale and rests unconformably on the Lower Cretaceous.

TYPICAL CORE ANALYSIS OF PRODUCING ZONE
Lower Tuscaloosa pool—
Permeability: (Maximum) 127.4 Md. (Average) 15.0 Md.
Porosity: 19%
Oil saturation (pore space): Trace
Water saturation (pore space): 92%

RESERVOIR ENERGY
Water drive.

INITIAL BOTTOM HOLE PRESSURE
Lower Tuscaloosa pool: 4056 psi.

ESTIMATED RECOVERABLE RESERVES
Unavailable.

PRODUCTION HISTORY
Shut-in gas field. Cumulative production from discovery date, September 25, 1953, through December 31, 1953: 529 barrels distillate and 8,098 MCF gas.