

**EXPLANATION**

Terrace deposits  
 Sand and gravel with some clay. At some sites, the terrace deposits can supplement pumpage from the Wilcox Group and Sparta Sand.

Cockfield Formation  
 Sand and clay beds. A source of water for some shallow domestic-supply wells.

Cook Mountain Formation  
 Predominantly clay.

Sparta Sand  
 Sand and clay beds. The principal source of ground water in the study area. Consists of 50 to 75 percent sand, individual sand beds as much as 250 feet thick.  
 (See table 2 for geohydrologic descriptions)

Salt dome (geology at salt domes is generalized)

Gaologic section (See plate 3)

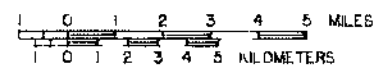
Water well number and parish prefix  
 Bi-104

Oil or gas well (or test well) and reference number (See table 10)  
 X-8

QUATERNARY  
 PLEISTOCENE

TERTIARY  
 EOCENE  
 CLAIBORNE GROUP

Base Map: Louisiana Department of Highways, 1:125,000



Geology after J.L. Martin and others, 1954 and W.E. Wallace, Jr., 1945

PLATE 1. MAP SHOWING LOCATION OF WELLS AND GENERAL GEOLOGY OF THE ARCADIA-MINDEN AREA, LOUISIANA.

