CONTRACTOR: C. W. Lusby Drilling Company, Inc. PHONE: (806) 792-9422

ADDRESS: 3311 - 88th Street, Lubbock, Texas 79423

DRILLER: C. W. Lusby DATE DRILLED 10-22-86 DATE COMPLETED 11-4-86 HOLE DIA. 6"

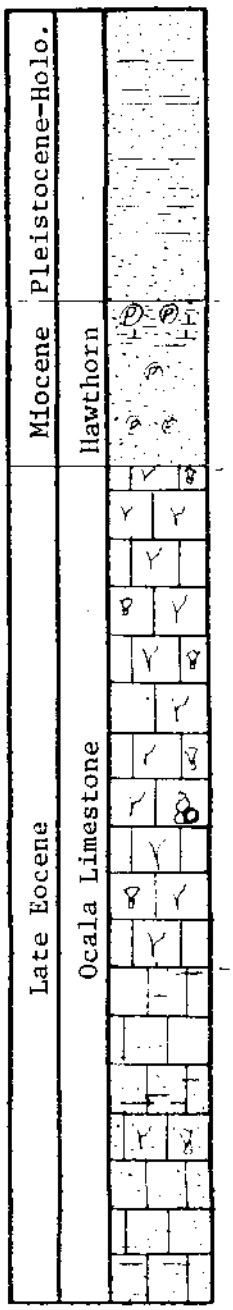
COLLECTED BY: W. B. Hughes TITLE: Hydrologist

LOGGED BY: W. B. Hughes TITLE: Hydrologist

METHOD EXAMINED FIELD( ) MICRO(x) LAB ( ) OTHER

METHOD DRILLED MUD ROTARY (x) CABLE TOOL ( ) AUGERED ( ) OTHER

REMARKS Detailed log attached

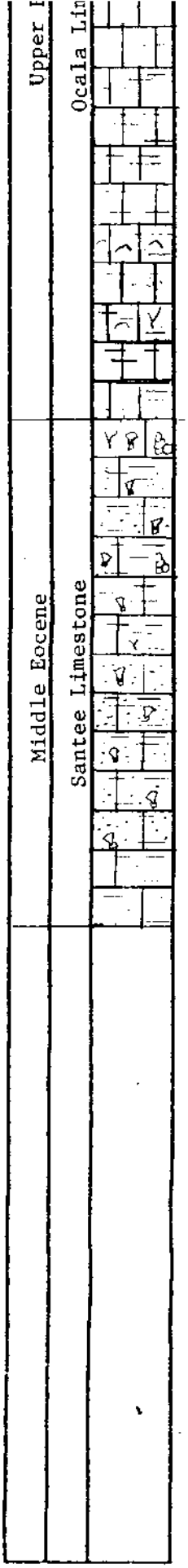


0' - 60' sand, quartz, fine to very coarse and mixed fine to coarse, subangular to rounded, dusky yellowish brown (10YR 2/2), grayish yellow (5Y 8/4), dark yellowish orange (10YR 6/6), light brown (5YR 5/6), and pale yellowish brown (10YR 6/2); clay, dominant to minor, yellowish gray (5Y 8/1), light gray (N7) and pale greenish yellow (10Y 8/2); sand, feldspar (K), coarse, subrounded, trace; muscovite, trace.

60' - 95' sand, quartz, coarse to fine, subrounded to subangular, light olive gray (5Y 6/1); clay, yellowish gray (5Y 7/2), common to absent; phosphate, coarse, rounded, black (N1), common to minor; dolomite (?) cemented sandstone, trace; muscovite, trace.

95' - 200' limestone, fossiliferous, yellowish gray (5Y 8/1) and very pale orange (10YR 8/1); contains abundant bryozoa fragments with few bivalve and gastropods; approximately 10% to 50% of sample is recrystallized fossil fragments or crystalline calcite; glauconite, trace.

200' - 470' limestone, calcilutie, yellowish gray (5Y 8/1); bryozoa and recrystallized fossil fragments in a calcite matrix; sand, quartz, very fine, trace; 280'-300' trace foraminifera, glauconite, trace.



470' - 600' limestone, fossiliferous, yellowish gray (5Y 8/1); contains, bivalve and gastropod fragments in a calcilutite matrix; sand, quartz, fine and very fine, subrounded, absent to common.