



\* Geophysical log by Birdwell Div. S.S.C.

**SYMBOL EXPLANATION**

**ENGINEERING PARAMETERS**  
PI — plasticity index ASTM: D 422 (1972)  
minus 200 — percent passing #200 sieve ASTM: D 423  
W/C — percent moisture ASTM: D 424 (1971)  
% d — dry density ASTM: D 2216-71

**SAMPLE TYPE**  
— Drive Sample  
+ — Pitcher Tube Sample  
95 — NX Core, No. Indicates % Recovery  
63 — Standard Penetration Test, "N" value ASTM: D 1586-67

**CARBONATE CONTENT**  
— No Reaction  
+ — Slightly Reactive  
⊕ — Moderately Reactive  
⊕ — Highly Reactive  
(based on sample reaction to a 10% HCl solution)

**UNITS**  
Units column refers to general stratigraphic divisions identified within the basin sediments.

**PALEOMAGNETIC POLARITY**  
Inclination of remnant magnetic vector in general agreement with (⊕) or opposition to (⊖) the present magnetic field.  
⊖ — Magnetic vector indeterminate  
Paleomagnetic Reversal — R 126 10 627  
depth elevation

**DESCRIPTORS**  
Lithologic descriptions were compiled from geologists' field logs, laboratory test data, and down-hole geophysics. Field logs were prepared in accordance with ASTM: D2488-69. Classifications based on laboratory test data are in accordance with ASTM: D2487-69. Rock descriptions follow procedures outlined in the QUARTERLY OF THE COLORADO SCHOOL OF MINES, Volume 50, No. 1. Descriptions for rotary borings are based upon cuttings samples, geophysical logs and drillers' comments.