



### 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 2916-71*

**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 —  $\frac{R}{IO} \frac{126}{827}$  — depth — elevation

**DESCRIPTIONS**

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.