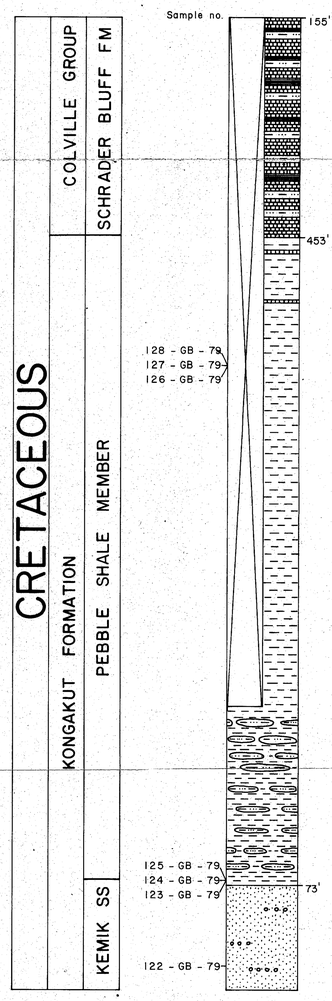
IGNEK VALLEY

STRATIGRAPHIC SECTION

Sec. 3, T. 2 N., R. 27 E.
MAP LOCATION NO. 19

JULY 1979

MEASURED BY: J.G. BOLM
I.F. PALMER



MIXED CLAY, SHALE, and SILTSTONE in rubblecrop - shale grayish black N2, laminated; siltstone light olive brown 5Y 5/4 and 6Y 5/6, pale reddish brown 10R 5/1, very pale orange 10YR 8/2, very light gray N8, greenish gray 5G 6/1, laminated or cross-laminated; clay bentonitic, light olive brown 5Y 5/6 becoming moderate brown 5YR 4/4 near surface; shale and siltstone are concentrated as a lag on the surface of the exposure and are scattered in the clay within 18 inches of the surface; presumably the bedrock consists of interbedded clay, shale, and siltstone with clay the most abundant lithology and shale probably the least abundant lithology

MUDSTONE - olive black 5Y 2/1, noncalcareous, hackly, moderately friable through most of unit; olive gray 5Y 3/1, laminated, noncalcareous, and moderate olive brown 5Y 4/4, calcareous, in upper 50 feet, which also contains some 1/2- to 4-inch layers of bentonite, moderate yellowish brown 10YR 5/4; bottom 120 feet contains about 20 percent siltstone, medium dark gray N4, noncalcareous, strongly indurated, in pods 8 to 10 inches thick and up to 3 feet long

STRIKE N 87°W
DIP 35°S

SANDSTONE - light brownish gray 5YR 6/1, very fine to fine-grained, noncalcareous, massive to laminated, well indurated, blocky weathering, contains streaks of subrounded quartz and metasediment pebbles

Porosity or Age	Permeability or Environment
Neocomian	Outer Neritic to Middle Bathyal
3.0%	0.01 mD

SCALE
0 0
50 ft.
25 m.
100 ft.
150 ft.
50 m.

This report has not been edited for conformity with U.S. Geological Survey editorial standards or stratigraphic nomenclature.

PLATE II