**ALASKA GEOLOGIC REPORT 76** GR76-SH5 KATAKTURUK RIVER STRATIGRAPHIC SECTION Sec. II, T. 4 N., R. 30 E. LOCALITY 8 **JULY 1979** MEASURED BY: W.M. LYLE I.F. PALMER J. G. BOLM L. MAXEY Porosity Permeability Age Environment Sample no. MUDSTONE - olive gray 5Y 4/1, calcareous, hackly, laminated with a few lensy laminae of siltstone, medium light gray N6, calcareous 53-GB-79, 54-GB-79 Probable Middle Paleogene Neritic 55-GB -79 56-GB-79, 57-GB-79 Probable Paleogene Middle Neritic to 58-GB-79' Upper Bathyal 59-GB-79. 60-GB-79-Middle Probable 61-GB-79 Neritic to Upper Paleogene Bathyal 68 INTERBEDDED SANDSTONE and MUDSTONE - 50 percent sandstone, light olive gray 5Y 6/1, very fine grained, 1- to 12-inch beds, laminated abundant carbonaceous debris, ripples and 47-GB-79 Tertiary Nonmarine ? load casts common; mudstone olive gray 5Y 4/1, 1/2- to 12-inch beds 46-GB-79 Z 0 45-GB-79, 0.4% (0.01mD 44-GB-79œ Probable Marginal Marine Probable Tertiary 43-GB-797 42-GB-79 ш d 8 Σ ш ~ Σ 41-GB-79 0.7% (0.01 mD MUDSTONE - olive gray 5Y 4/1, calcareous, laminated, contains flattened calcareous 40-GB-79, concretions 39 - GB-79 -Tertiary Marginal Marine 38-GB-79 I 8 Ш Z Z d Ш C 37-GB-79. 36 -GB -79 -Tertiary Nonmarine? I 35-GB-79 O S INTERBEDDED SANDSTONE and MUDSTONE - 80 percent sandstone, medium gray N5, fine-grained, 34-GB-79 -3.6% 0.03mD calcareous, laminated, 2- to 24-inch beds which grade to mudstone, olive gray 5Y 4/1, calcareous, common carbonaceous debris, 1/2- to 6-inch beds STRIKE N85°E DIP 34° N 5.5% 0.05mD 33-GB-79 -32' MUDSTONE - olive gray 5Y 4/1, calcareous, hackly, laminated with some ripple lamination, common carbonaceous debris, silty pods; upper 10 feet contains 3- to 10-inch beds of Tertiary Marginal 32-GB-79-7 Marine 31-GB-79 graded, laminated sandstone 30-GB-79 29-GB-79 28-GB-79 Probable Paleogene Inner Neritic 27-GB-79 -13' SANDSTONE - medium gray N5, fine-grained, calcareous, abundant carbonaceous debris, ripple laminated, 3- to 24-inch beds, mudstone partings, olive gray 5Y 4/1, laminated, noncalcareous 26-GB-79, 25-GB-79-Tertiary? Nonmarine? SANDSTONE - medium gray N5, fine-grained, calcareous, laminated, abundant carbonaceous 24-GB-79' debris, 3- to 24-inch beds, load features common N82°E STRIKE 21° N 23-GB-79 9.4% 0.06 mD METERS FEET STATE OF ALASKA DEPT. OF NATURAL RESOURCES Div. of Geological & Geophysical Surveys

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