(200)
R290

OPEN-FILE REPORT 76-665

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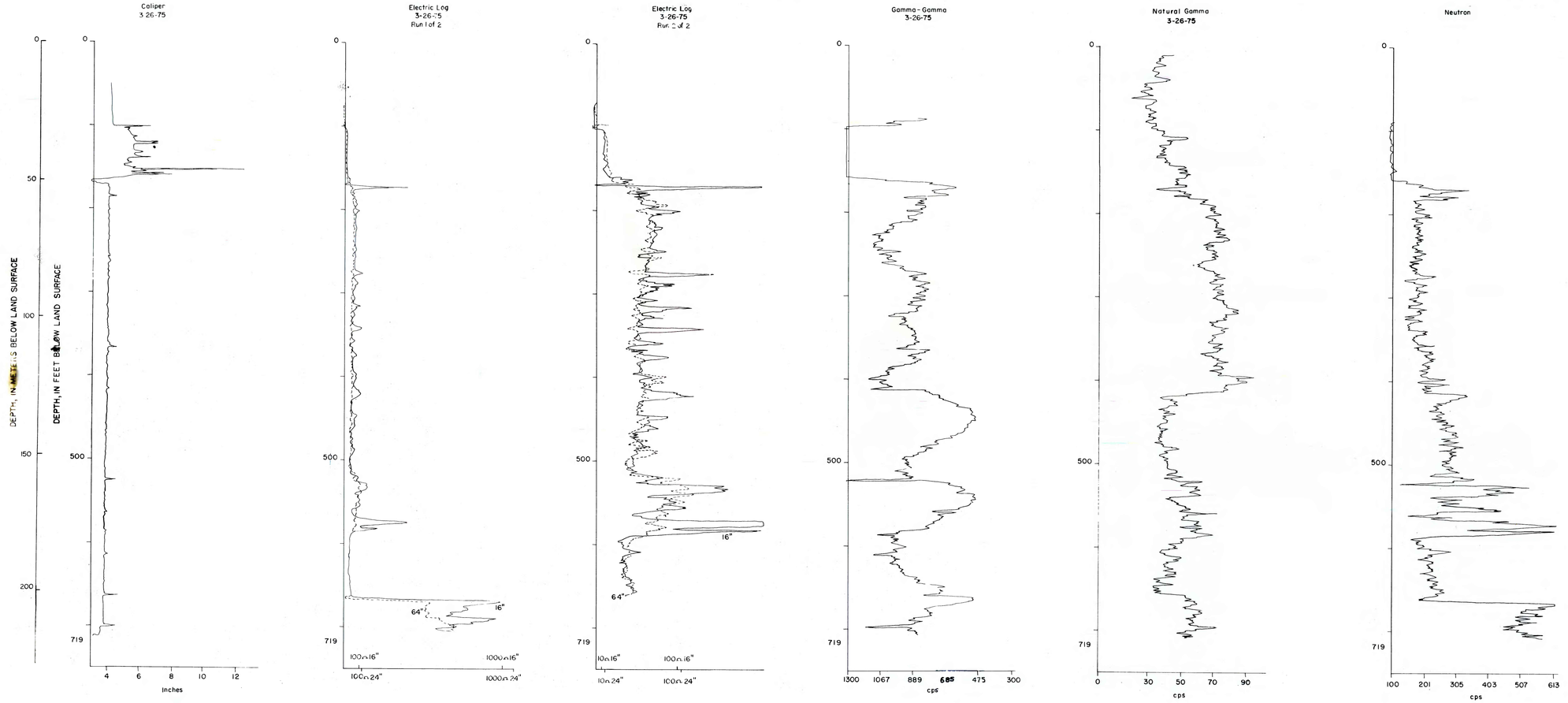
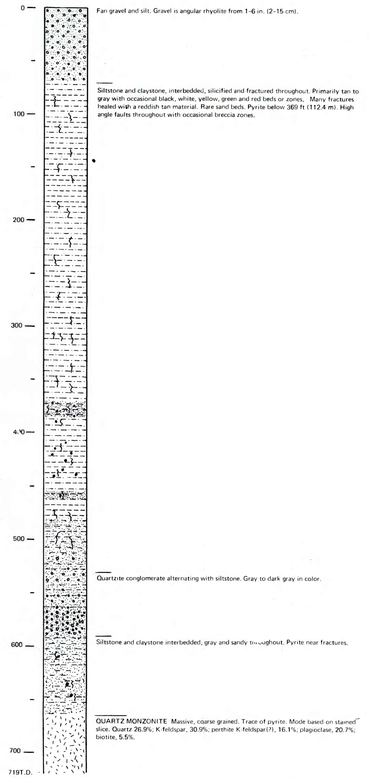
RAFT RIVER GEOTHERMAL INTERMEDIATE HOLE #5

U.S.G.S. Water Resources Division
Borehole Geophysics Research Project
14S-26E-33anb1 Elev. 5200'





Fan gravel and silt. Gravel is angular rhyolite from 1-6 in. (2-15 cm).

Siltstone and claystone, interbedded, silicified and fractured throughout. Primarily tan to gray with occasional black, white, yellow, green and red beds or zones. Many fractures healed with a reddish tan material. Rare sand beds. Pyrite below 369 ft (112.4 m). High angle faults throughout with occasional breccia zones.

Quartzite conglomerate alternating with siltstone. Gray to dark gray in color.

Siltstone and claystone interbedded, gray and sandy throughout. Pyrite near fractures.

QUARTZ MONZONITE. Massive, coarse grained. Trace of pyrite. Mode based on stained slice. Quartz 26.9%, K-feldspar, 30.9%; perthite K-feldspar(?), 16.1%; plagioclase, 20.7%; biotite, 5.5%.

EXPLANATION

Gravel
Sand
Silt
Clay
Rhyolite
Quartz monzonite
Pyrite
Fractures
Carbonaceous matrix

Lithology by E. G. Crosthwaite

NOTE. An offset core hole, 100 ft (30 m) NW, penetrated approximately 85 ft (25 m) of quartz monzonite overlying siltstone and claystone.