



(200)
L.R.
no. 86-4187

**SPONTANEOUS-
POTENTIAL LOG**

200 MILLIVOLTS
PER DIVISION

GAMMA LOG RESISTIVITY LOG

ALTITUDE OF LAND SURFACE IS 5,790 FEET

COUNTS PER SECOND
0 20 40 60

20 OHMS
PER DIVISION

NEUTRON LOG

COUNTS PER SECOND
120 160 200 240

**BULK-DENSITY
(17-INCH) LOG**

COUNTS PER SECOND
120 140 160

TEMPERATURE LOG

DEGREES FAHRENHEIT
70 90 110

ALTITUDE OF LAND SURFACE IS 5,760 FEET AT TEST WELL 2

DEPTH BELOW LAND SURFACE, IN FEET

GAMMA, SPONTANEOUS-POTENTIAL, RESISTIVITY, AND NEUTRON LOGS WERE MADE IN AN UNCASSED, MUD-FILLED BOREHOLE. BULK-DENSITY LOGS, WITH 5- AND 17-INCH SPACINGS BETWEEN THE EMITTER AND RECEIVER, WERE MADE INSIDE A 2-INCH-DIAMETER PVC PIPE SET INSIDE A 6-INCH-DIAMETER STEEL CASING FILLED WITH AQUIFER FLUID.

ALTITUDE OF LAND SURFACE IS 4,991 FEET AT TEST WELL 3

**BULK-DENSITY
(5-INCH) LOG**

COUNTS PER SECOND
800 1200 1600

CHANGE IN SCALE

400 600 800
COUNTS PER SECOND