Figure 22.--Natural gamma, density, resistivity log for drill-hole BCR-4

CENTURY GEOPHYSICAL CORP.
6650 EAST APACHE
TULSA, OKLAHOMA 74115

C-366-E SP 11748B

DATE 07/03/79

COMPANY IRON CLAD DRILLING COMPANY
BORE HOLE BCR-4
AREA MUDDY CREEK
COUNTY SEVIER STATE UTAH
SECTION 02 TOWNSHIP 22S RANGE 04E LOG MEASURED FROM G.L.

HOLE NO BCR-4
SEC 02 TWP 22S RANGE 04E
AREA MUDDY CREEK
COUNTY SEVIER
STATE UTAH
COMPANY IRON CLAD
DATE 07/03/79
TOTAL FOOTAGE LOGGED 1036'

T.D DRILLED 1040 Ft.
BIT SIZE 5.0 In. CASING —
BORE HOLE FLUID H_2O FOAM
DENSITY VISCOSITY
RESISTIVITY
OPERATOR D. ELLISON
UNIT NO. 7644
LOCATION GRD. JCT
DRIVE 0.6 Hrs. TIME IN 2020
STAND BY 11.8 Hrs. TIME OUT 0045
LOGGING 4.4 Hrs.
TOTAL 16.8 Hrs.
ROUNDTRIP MILEAGE Miles
CHARGEABLE STANDBY 11.8 Hrs.

INITIAL RUN
T.D. LOGGED 1036'
GAMMA SCALE 50 Cps. Per In
TIME CONSTANT LOGGING SPEED 20 Ft./Min.
CALIBRATION & PROBE DATA
SOURCE NO VL-1-99 SOURCE VALUE 25 MCi Cs^{137}
PROBE NO 8030A-404 PROBE SIZE 1.87X85 In.
DETECTOR NAI XTL TYPE & SIZE 0.875X1.25"
DEAD TIME ≤ 1.0 μSEC K FACTOR 1.59×10^{-5}
WATER FACTOR 1.139 AIR FACTOR —
RES. SCALE ohms per inches
S.P. Mv/In

DENSITY (Initial run offscale)

SCALE 50K Cps Per In	SCALE Cps Per In	SCALE Cps Per In	
T.C 0.1 Sec	LOGGING SPEED 20 Ft./Min.	T.C Sec	LOGGING SPEED Ft./Min
T.C Sec	LOGGING SPEED Ft./Min	T.C. Sec.	LOGGING SPEED Ft./Min.
FROM 0 Ft.	FROM Ft.	FROM Ft.	FROM Ft.
TO 1036 Ft.	TO Ft.	TO Ft.	TO Ft.
TOTAL 1036	TOTAL	TOTAL	TOTAL

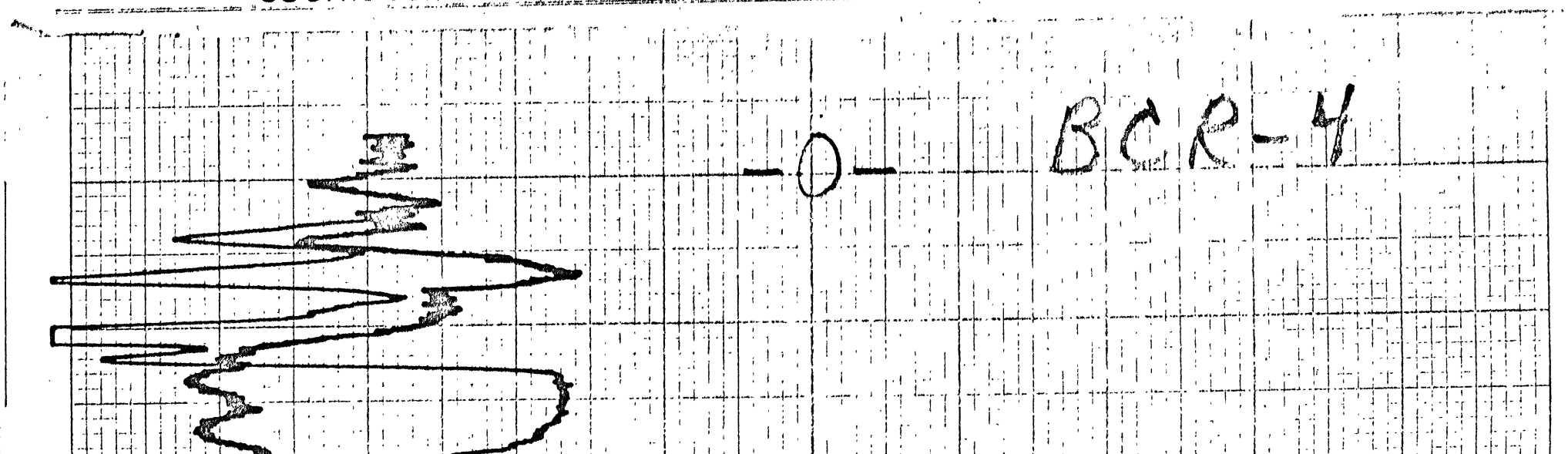
NO RESISTANCE DUE TO LACK OF H_2O IN HOLE

SHIFT ONE INCH TO RIGHT ON DENSITY @ 770'
LOSS OF POWER @ 288'

SELF POTENTIAL
− MV +

NATURAL GAMMA RAY
COUNTS PER SECOND

DENSITY

RESISTANCE
OHMS

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