U.S. Geological Survey

Open-File Report 80-485

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 117488

DATE 07/03/79

COMPANY IRON CLAD DRILLING COMPANY

BOREHOLE 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$_2$O 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	DENSITY		
T.D. LOGGED 1036'	SCALE 50K Cps Per In	SCALE Cps Per In	SCALE Cps Per In
GAMMA SCALE 50 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
TIME CONSTANT LOGGING SPEED 20 Ft./Min	FROM 0 Ft	FROM Ft	FROM Ft
CALIBRATION & PROBE DATA	TO 1036 Ft	TO Ft	TO Ft
SOURCE NO VL-1-99 SOURCE VALUE 25 MCI Cs^{137}	TOTAL 1036	TOTAL	TOTAL

Initial run offscale

PROBE NO 8030A-404

PROBE SIZE 1.87X85

DETECTOR NAI XTL

TYPE & SIZE 0.875X1.25"

DEAD TIME ≤1.0 μSEC

K FACTOR 1.59X10^{-5}

WATER FACTOR 1.139

AIR FACTOR —

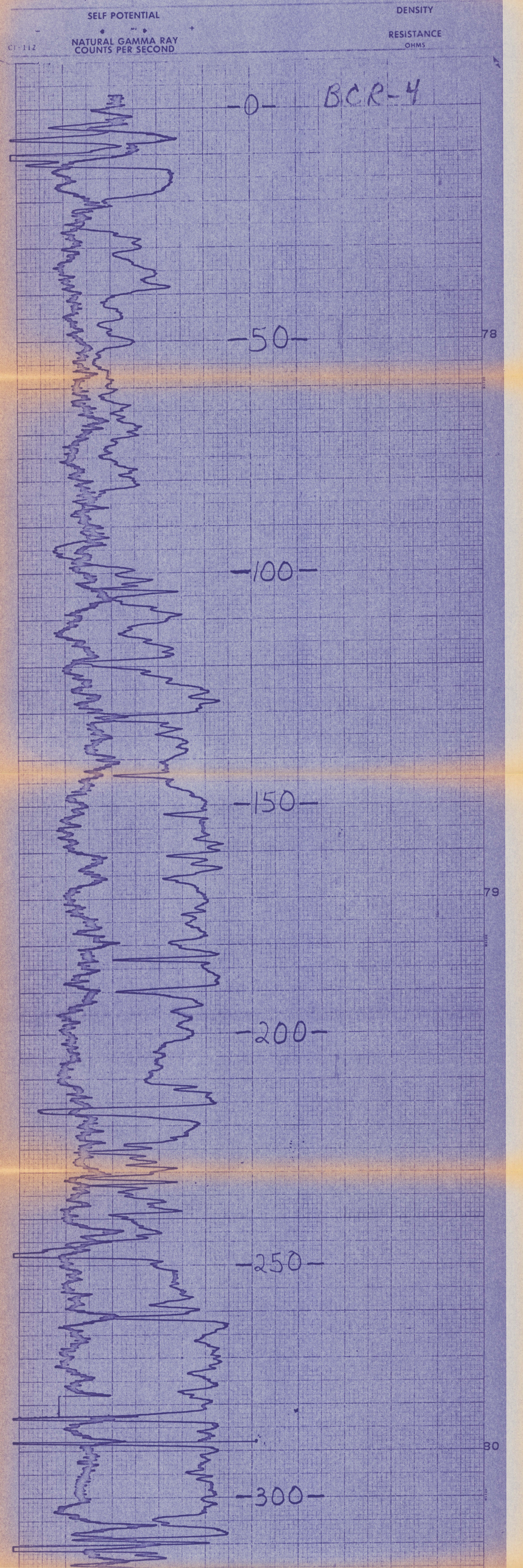
RES. SCALE ohms per inches

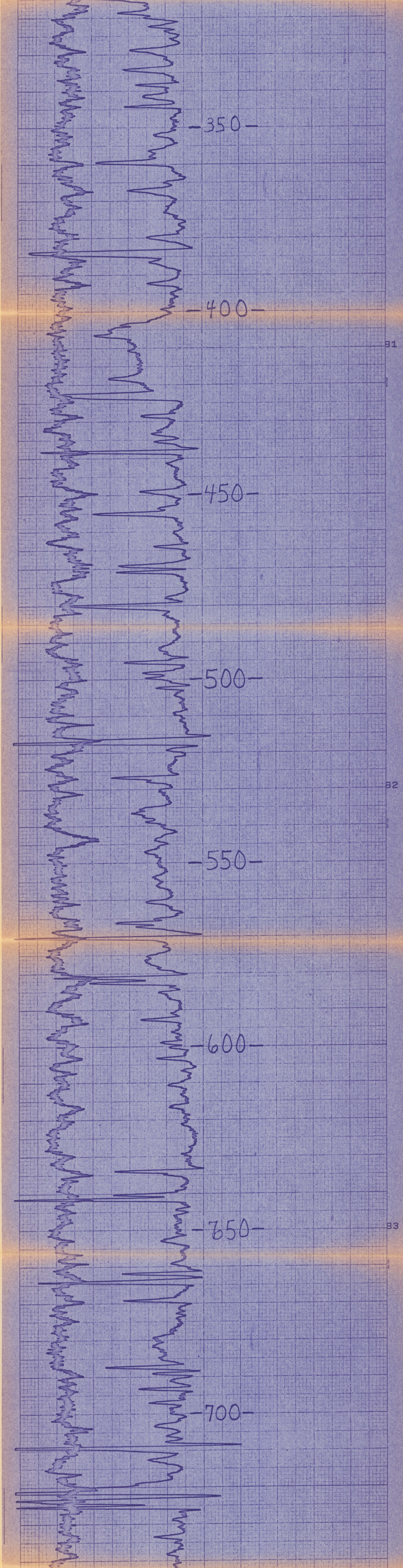
SP Mv/In

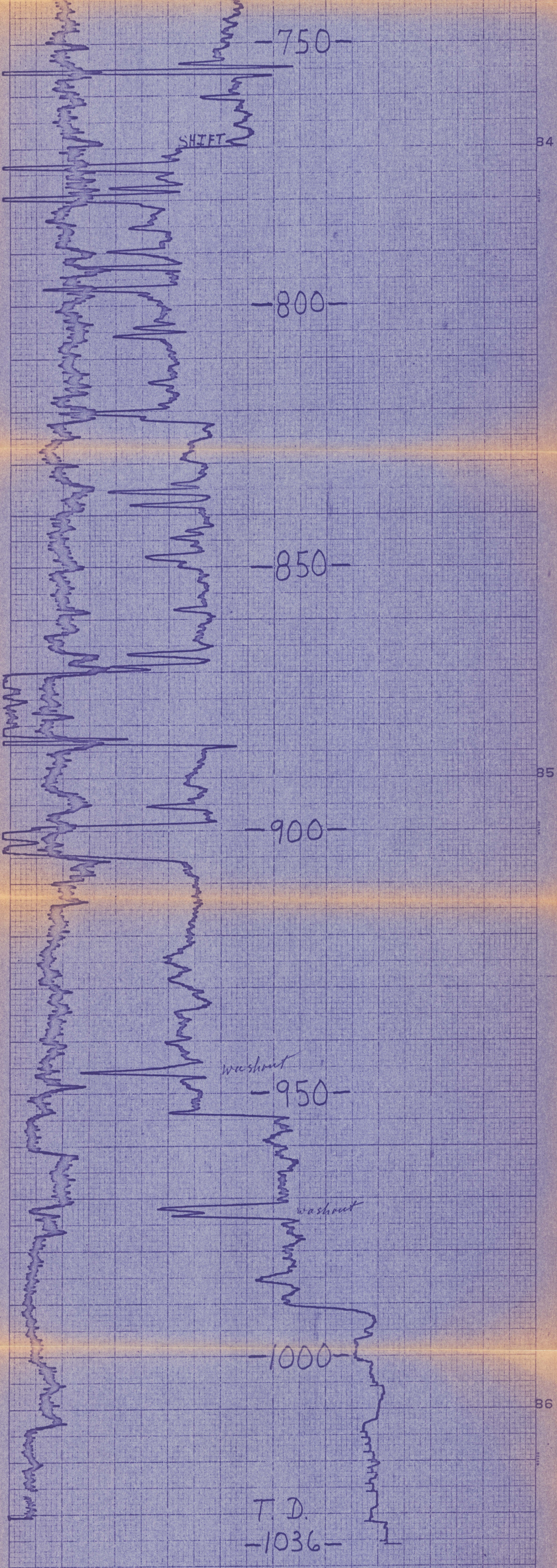
NO RESISTANCE DUE TO LACK OF H$_2$O IN HOLE

SHIFT ONE INCH TO RIGHT ON DENSITY @ 770'

LOSS OF POWER @ 288'







GAMMA	DENSITY
50 CPS/IN	5 K CPS/IN
20'/MIN	20'/MIN
T.C. 1	T.C. 0,5

BCR-4