Figure 13.--Natural gamma, density, resistivity log for drill-hole MC-25-AL

CENTURY GEOPHYSICAL CORP.
6650 EAST APACHE
TULSA, OKLAHOMA 74115

C-366-E SP 11748B

COMPANY: IRON CLAD DRILLING
BORE HOLE: MC-25-AL
AREA: MUDDY CREEK
COUNTY: SEVIER
STATE: UTAH
SECTION: 13
TOWNSHIP: 22S
RANGE: 04E
LOG MEASURED FROM: G.L.

DATE: 07/17/79

HOLE NO: MC-25-AL
SEC: 13
TWP: 22S
RANGE: 04E
AREA: MUDDY CREEK
COUNTY: SEVIER
STATE: UTAH
COMPANY: IRON CLAD
DATE: 07/17/79
TOTAL FOOTAGE LOGGED: 1126'

T D DRILLED: 1140 Ft
BIT SIZE: 5.0 In.
CASING: —
BORE HOLE FLUID: H_2O FOAM
DENSITY:
VISCOSITY:
RESISTIVITY:
OPERATOR: D. ELLISON
UNIT NO: 7644
LOCATION: GRAND JCT
DRIVE: 2.8 Hrs
TIME IN: 1254
STAND BY: 6.6 Hrs
TIME OUT:
LOGGING: 4.1 Hrs
TOTAL: 13.5 Hrs
ROUNDTRIP MILEAGE: 65.6 Miles
CHARGEABLE STANDBY: 6.6 Hrs

INITIAL RUN

T D LOGGED: 1126'
GAMMA SCALE: 50 Cps Per In
TIME CONSTANT: 1.0
LOGGING SPEED: 20 Ft/Min.
CALIBRATION & PROBE DATA
SOURCE NO: VL-1-99
SOURCE VALUE: 25 MCI C^{137}_{5}
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: 100 ohms per 5 inches
SP: Mv/In

DENSITY

SCALE: 1K Cps Per In
T C: 0.5 Sec
LOGGING SPEED: 20 Ft/Min
FROM: 0 Ft
TO: 1126 Ft
TOTAL:

GAMMA DEFLECT — Initial run offscale

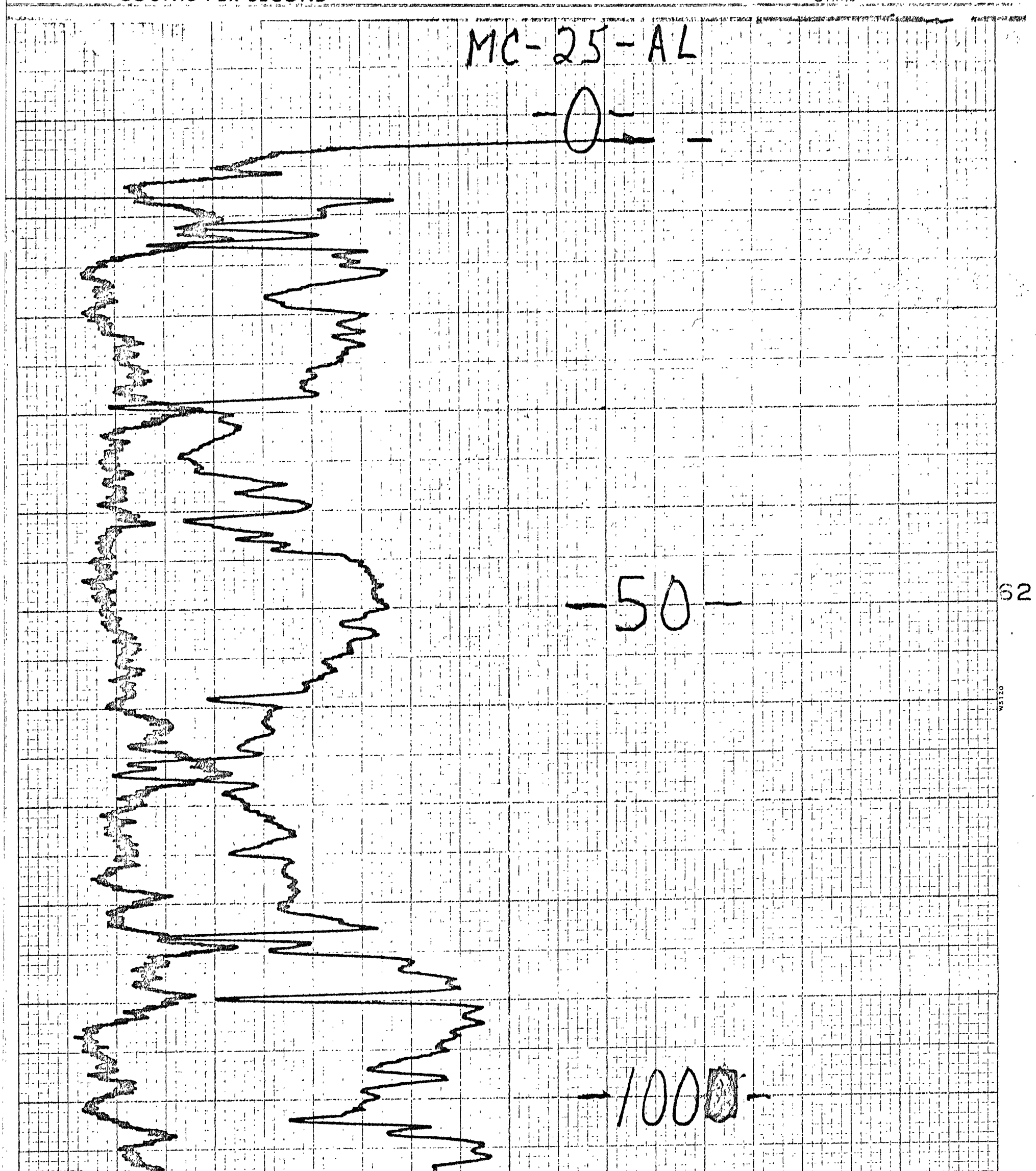
SCALE: Cps Per In
T C: Sec.
LOGGING SPEED: Ft/Min
FROM: Ft
TO: Ft
TOTAL: Ft

SCALE: Cps Per In
T C: Sec
LOGGING SPEED: Ft/Min.
FROM: Ft
TO: Ft
TOTAL: Ft

OUT OF H_2O @ 570'
BIAS ON RES. @ 900'
BIAS ON DEN. @ 530'

SELF POTENTIAL — Mv +

NATURAL GAMMA RAY COUNTS PER SECOND

DENSITY

RESISTANCE OHMS