

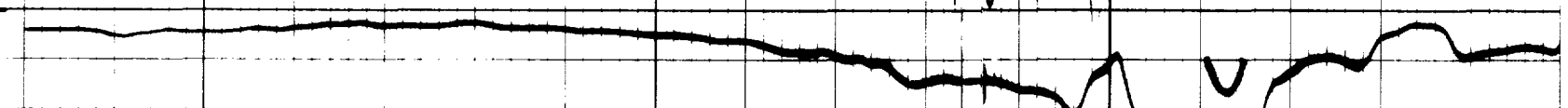
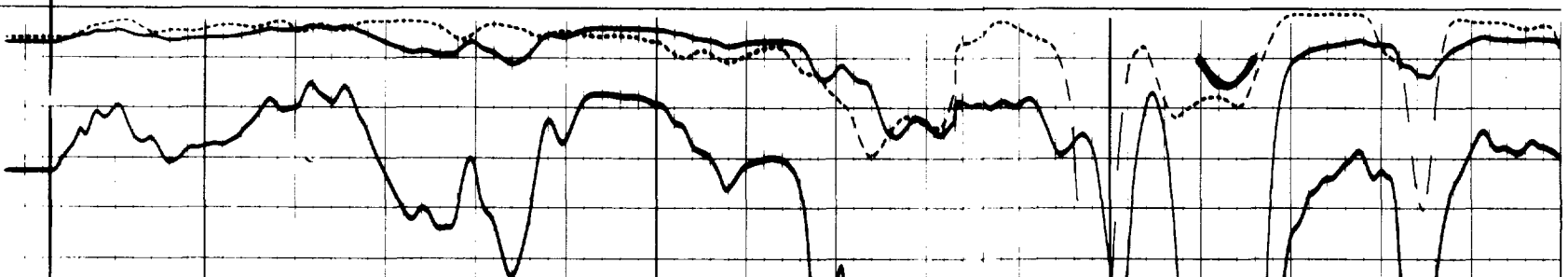
1500

1400

10
- +

JENSON AND MONTIN
VALLEGOS CANYON UNIT #7
SEC. 30-28N-12W
SAN JUAN, NEW MEXICO
ELEV. 5703' K.B.

F.R.
1517



NORMAL

100

LONG NORMAL

100

LATERAL

100

1000

AO = 1.5"

50

AK = 2"

50

SENSON AND MONTIN # 7 GALLEGOS CANYON UNIT
 CALCULATION OF FORMATION WATER CONTENT FROM
 ELECTRICAL LOG DATA

Interval from 1402 to 1432

Average formation resistivity 17 ohm-meter
 (from electrical log)

Formation resistivity factor 21.0 (from
 curve developed from laboratory measure-
 ment of average porosity of 18.6%)

Formation water resistivity .10 ohm-meters
 (from laboratory measurement of chloride
 content)

Formation water content:

$$S = \left(\frac{(21.0)(.10)}{17} \right) \cdot 513 = \underline{34\%}$$

Interval from 1432 to 1458

Permeability too low to produce as evidenced
 by microlog.

Interval from 1458 to 1484

Average formation resistivity 3.5 ohm-meter
 (from electrical log)

Formation resistivity factor 22.0 (from
 curve developed from laboratory measure-
 ment of average porosity of 18.2%)

Formation water resistivity .10 ohm-meters
 (from laboratory measurement of chloride
 content)

Formation water content:

$$S = \left(\frac{(22.0)(.10)}{3.5} \right) \cdot 513 = \underline{78.8\%}$$