



CORE-GAMMA CORRELATION

VERTICAL SCALE: 5" = 100'

COREGRAPH

RADIATION INCREASE

PERCENT TOTAL WATER

80 60 40 20 0

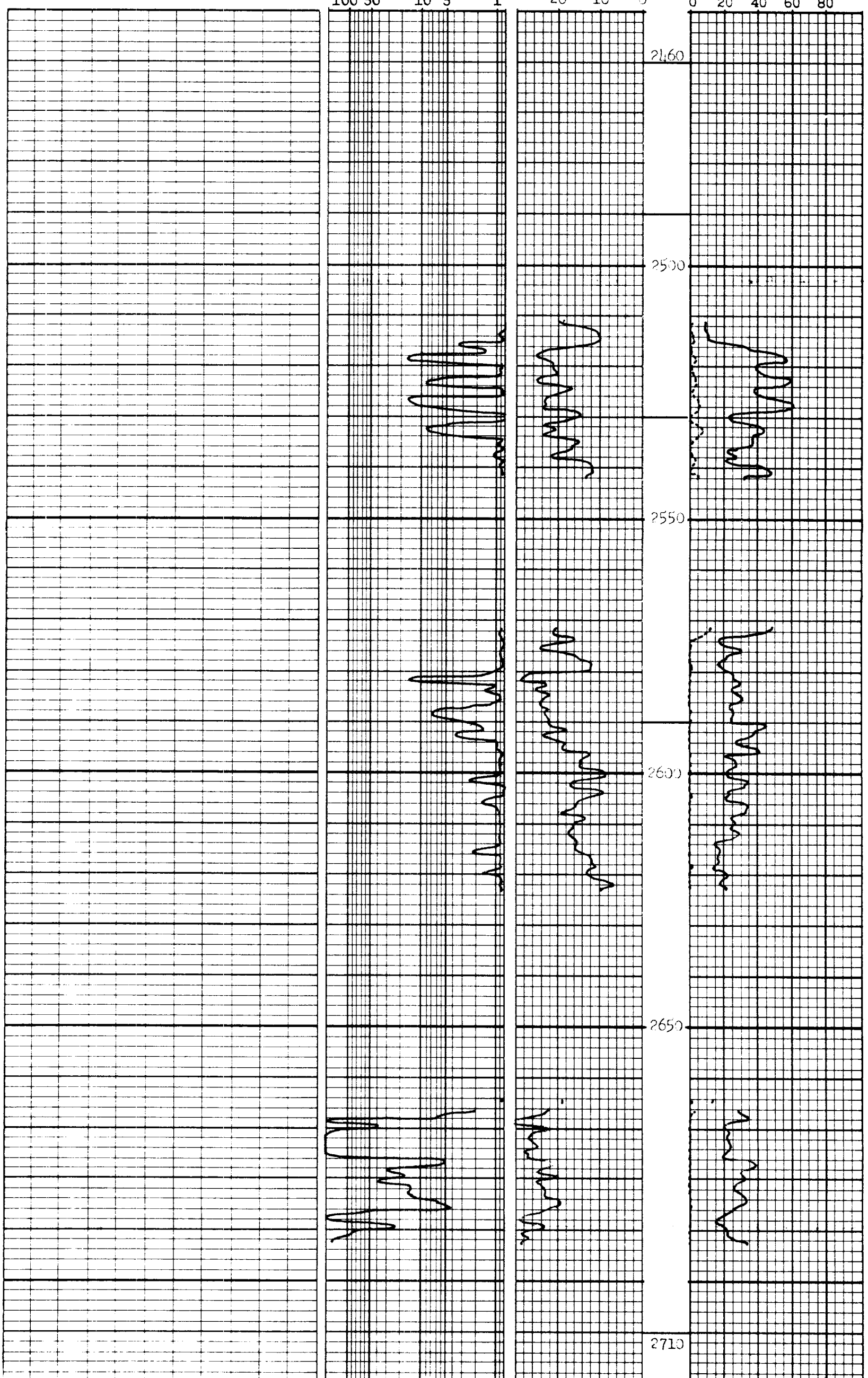
PERMEABILITY

POROSITY

OIL SATURATION

PERCENT PORE SPACE

20 40 60 80



FORMATION NAME AND DEPTH INTERVAL: Dakota - 2516.0 to 2536.0 feet			
FEET OF CORE RECOVERED FROM ABOVE INTERVAL	20	AVERAGE TOTAL WATER SATURATION PER CENT OF PORE SPACE	54.0
FEET OF CORE INCLUDED IN AVERAGES	18	AVERAGE connate WATER SATURATION PER CENT OF PORE SPACE	43 (c)
AVERAGE PERMEABILITY, MILLIDARCYS	4.5	OIL GRAVITY: DAPI	
PRODUCTIVE CAPACITY, MILLIDARCY-Feet	81.3	ORIGINAL SOLUTION GAS-OIL RATIO, CUBIC FEET PER BARREL	
AVERAGE POROSITY, PER CENT	21.7	ORIGINAL FORMATION VOLUME FACTOR, BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	
AVERAGE RESIDUAL OIL SATURATION, PER CENT OF PORE SPACE	2.9	Calculated ORIGINAL STOCK-TANK OIL IN PLACE, BARRELS PER ACRE-FOOT	

[illegible]

2511.0 to 2516.0 feet - Essentially non-productive.
2516.0 to 2536.0 feet - Gas productive where permeable.
2536.0 to 2580.0 feet - Water productive, however, production would be limited due to low permeability and porosity.
2580.0 to 2594.0 feet - water productive
2594.0 to 2665.0 feet - water productive, but lower porosity and permeability indicate limited production.
2660.0 to 2693.0 feet - water productive.

[illegible]