

(2000)
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NO. 80-1027

U.S. Geological Survey

Open-File Report 80-1027

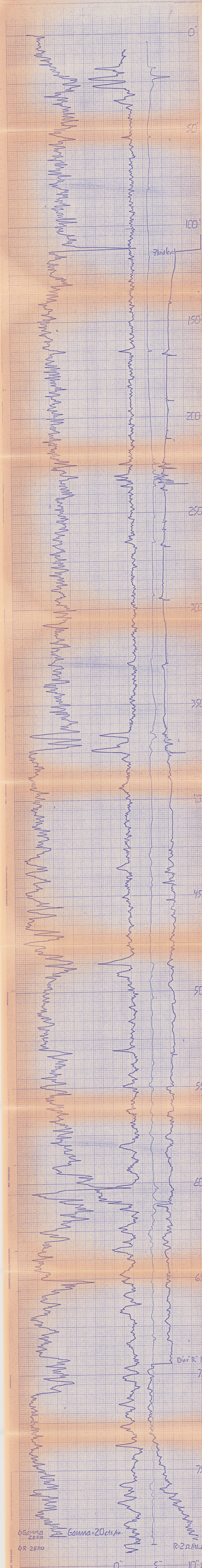
Figure 5.—Gamma-ray, density, caliper, and resistance logs for drill hole EN-2
(scale, 5 inches to 50 feet)

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GAMMA RAY COUNTS PER SECOND		SELF POTENTIAL MILLIVOLTS		RESISTANCE OHMS	
COMPANY: U.S. GEOLOGICAL SURVEY		-CALIBRATION-		HOLE DATA-	
PROJECT AREA: Emery Coal Field		SCALE: 100	CPS	DRILLING CONTRACTOR:	
HOLE NO: EN-2	ELEVATION: 6130'	SOURCE VALUE: OSC	CPS	DEPTH DRILLED: 795'	FT.
DATE: 4-24-80		K FACTOR (AIR): 1.43	KRS	HOLE DIAMETER: 4 1/2"	IN.
COUNTY: Emery		WATER FACTOR: 1.11	CASING FACTOR	DRILLING MEDIUM: Water	
STATE: UT.		DEAD TIME: 0.96	SEC.	WATER TABLE: 114'	FT.
SECTION: 11 NE 1/4 NE 1/4		PROBE NO: ST.5		DEPTH LOGGED: 795'	FT.
TOWNSHIP: 23 S		PROBE DIAMETER: 1.25	IN.	TOTAL FOOTAGE LOGGED: 795'	FT.
RANGE: 6 E		PROBE LENGTH: 10 FT.	IN.		
INITIAL RUN		DENSITY		NEUTRON	
GAMMA - FULL SCALE: 10" = 200	CPS	SCALE: 5" = 100	CPS	SCALE: CPS	SCALE: CPS
TIME CONSTANT: 2		TIME CONSTANT: 2		TIME CONSTANT:	TIME CONSTANT:
LOGGING SPEED: 20	FT./MIN.	LOGGING SPEED: 20	FT./MIN.	LOGGING SPEED: FT./MIN.	LOGGING SPEED: FT./MIN.
RESISTANCE - FULL SCALE: 10" = 20	OHMS	A' = 118 cps		FROM: FT.	FT.
SELF POTENTIAL: 21	mv/in.	A2 = 50 cps		TO: FT.	FT.
UNIT NO: 21				TOTAL: FT.	FT.
OPERATOR: C. Euler					
REMARKS:					



Gamma = 20 cts/in.
R = 20 in.
Caliper
Density
50+ aluminum (A2)
100 cps
118 cps (A1)
Dens. ZERO
R-ZERO
Dias. R 1-2