

Figure 11.—Gamma-ray, density, caliper, and resistance logs for drill hole EN-3
(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-3	SOURCE VALUE: OSC	CPS	DRILL NO:		
DATE: 4-28-80	K FACTOR (AIR): 1.43	X10-5	DEPTH DRILLED:	325	FT.
COUNTY: Emery	WATER FACTOR: 1.11	CASING FACTOR	HOLE DIAMETER:	4 3/4	IN.
STATE: UT.	DEAD TIME: 8.96	μ SEC.	DRILLING MEDIUM:	Water	
SECTION: 12 SW 1/4 SE 1/4	PROBE NO. ST-5		WATER TABLE:	112	FT.
TOWNSHIP: 22 S	PROBE DIAMETER: 1.25	IN.	DEPTH LOGGED:	373	FT.
RANGE: 6 E	PROBE LENGTH: 10 FT. 6	IN.	TOTAL FOOTAGE LOGGED:	373	FT.
INITIAL RUN		DENSITY		NEUTRON	
GAMMA-FULL SCALE: 10" = 200 CPS.		SCALE: 5" = 100 CPS.		SCALE: CPS.	
TIME CONSTANT: 2		TIME CONSTANT: 2		TIME CONSTANT:	
LOGGING SPEED: 20 FT./MIN.		LOGGING SPEED: 20 FT./MIN.		LOGGING SPEED: FT./MIN.	
RESISTANCE-FULL SCALE: 10" = 15 OHMS		A' = 122 cps		FROM: FT.	
SELF POTENTIAL: 21		A2 = 58 cps		TO: FT.	
UNIT NO:				TOTAL: FT.	
OPERATOR: C. Euler					
REMARKS:					

