G00328

Permit # 9012

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913-294-5050

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY: CARMEL ENERGY INC.

WELL: BY - 6 [redacted]

FIELD: BILLY YOCC LEASE [redacted]

COUNTY: VERNON - MISSOURI Core: COIL43

LOCATION: 2215.0 FSL, 2701.0 FEL

SEC. 22 TWP. 34N RGE. 33W

OTHER SERVICES: CCL

PERMANENT DATUM: G.L. ELEV. 1097.4

LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM: G.L.

ELEV.: K.B. D.F. G.L. 1097.4

DATE	10-27-80	10-27-80	
RUN NO.	1 NW	1 NW	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH—DRILLER	118.0	118.0	
DEPTH—LOGGER	115.4	115.4	
BOTTOM LOGGED INTERVAL	109.2	114.4	
TOP LOGGED INTERVAL	0.0	4.5	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY, PPM CL.			
DENSITY			
LEVEL	FULL	FULL	
MAX. REC. TEMP., DEG F.			
OPERATING RIG TIME			
RECORDED BY	PRATT	PRATT	
WITNESSED BY			

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				2 7/8		0	T.D.

OCT 31 1980

MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
LOG TYPE	70S	NEUTRON
TOOL MODEL NO.	1 1/2	0
DIAMETER	2 1/2	1 1/2
DETECTOR MODEL NO.	2 PC	135 HE
TYPE	GM TUBE	3 He GP
LENGTH	1 3/8	21-1-3
DISTANCE TO HI. SOURCE	1.5	13
SOURCE MODEL NO.		AMBE-241
SERIAL NO.		3 CT
SPACING		
TYPE		
STRENGTH		

GENERAL

HOIST TRUCK NO.	0C20
INSTRUMENTED TRUCK NO.	0C20
TOOL SERIAL NO.	0002

LOGGING DATA

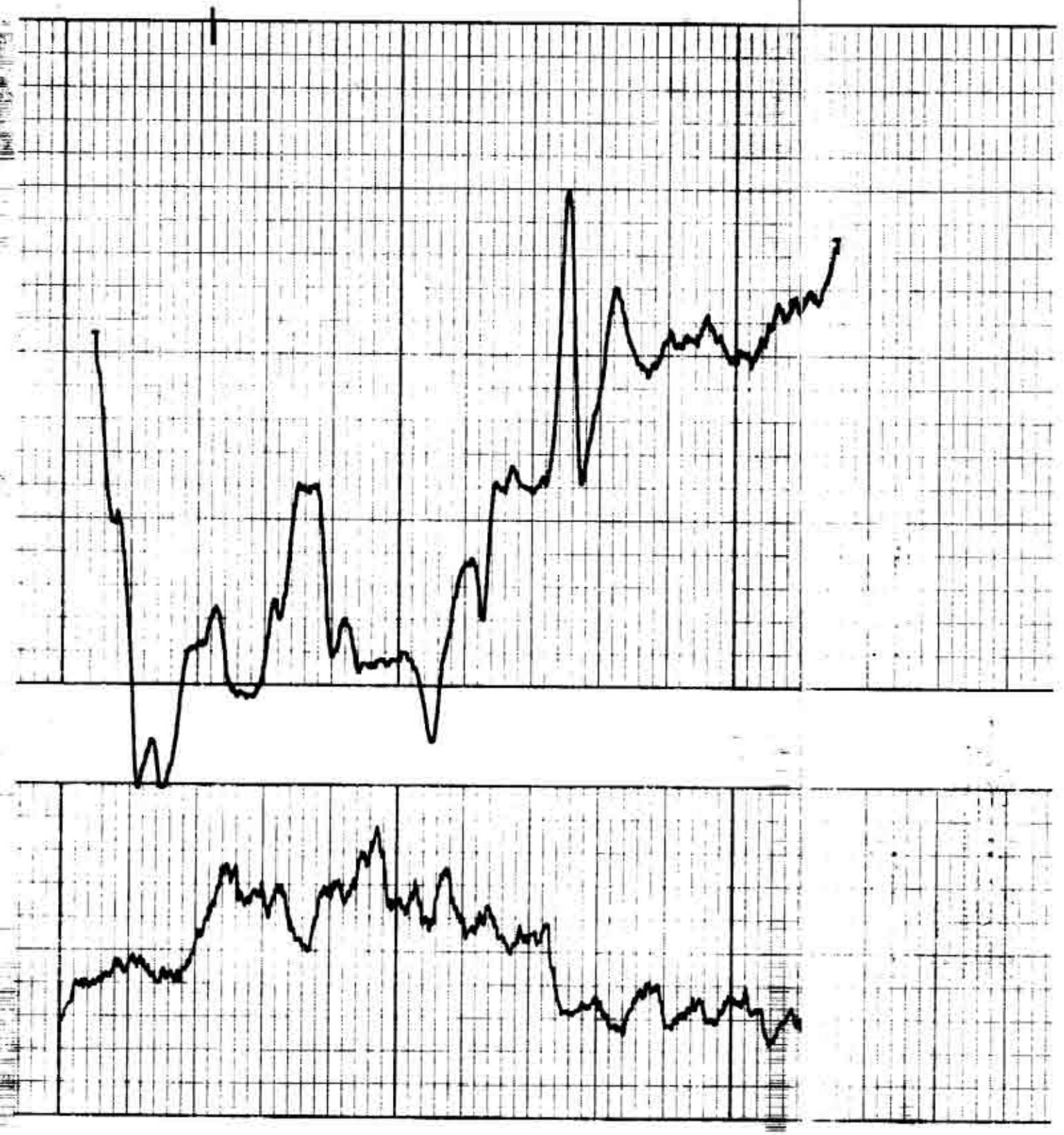
GENERAL				GAMMA RAY				NEUTRON	
RUN NO.	DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC.	SENS. SETTINGS	ZERO DIV. 1 OR 2	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. 1 OR 2	APPROX. UNITS PER LOG DIV.
1	0	T.D.	20	1.0	100/175	3 R	10	1.0	500/100	3 R	

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: DESS DRILLING COMPANY

NR-O 18240

GAMMA RAY NEUTRON

DEPTH

CASING COLLARS