G00423

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. [redacted]

WELL MI NO. 8 [redacted]

FIELD WAYNE MITCHELL LEASE

COUNTY VERNON CO., MISSOURI

LOCATION: 165.0 FSL 2565.0 FEL

SEC 21 TWP 33N RGE 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV 809.4

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

DRILLING MEASURED FROM G.L.

ELEV K.B. DF GL 809.4

DATE	7-23-80	7-23-80
RUN NO	1 NR	1 NEU
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	192.0	192.0
DEPTH—LOGGER	189.0	189.0
BOTTOM LOGGED INTERVAL	188.5	188.0
TOP LOGGED INTERVAL	0.0	0.0
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	0.0	0.0
MAX. REC. TEMP., DEG F.		
OPERATING RIG TIME		
RECORDED BY	E. PRICE	E. PRICE
WITNESSED BY	V. YOUNG	V. YOUNG

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
Q/H		0	G.L.

OCT 06 1980
MO. OIL & GAS COUNCIL

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.	1 NR		RUN NO.	1 NEU	
TOOL MODEL NO.	705		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO.	705	
DETECTOR MODEL NO	705-GR		DIAMETER	1 11/16"	
TYPE	GEIGER		DETECTOR MODEL NO.	705 HE-3	
LENGTH	1 3/8" x 12"		TYPE	HE	
DISTANCE TO N. SOURCE	4.5		LENGTH	1" x 6"	
			SOURCE MODEL NO	72-1	
GENERAL			SERIAL NO	72-1-335	G
HOIST TRUCK NO	0020		SPACING	13"	
INSTRUMENT TRUCK NO.	0020		TYPE	AMBE-241	
TOOL SERIAL NO.	0002		STRENGTH	3 CI	

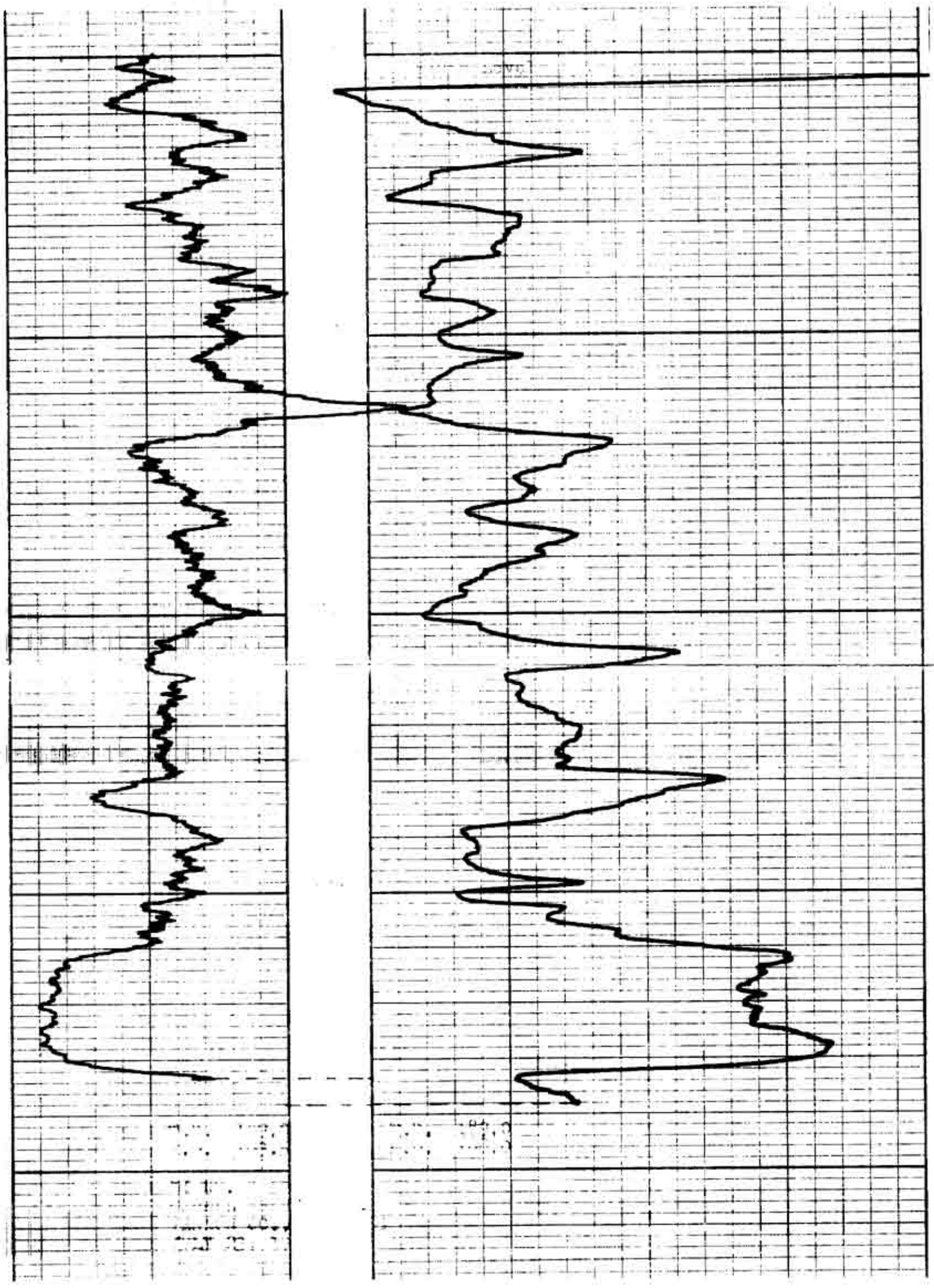
LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV	T.C. SEC.	SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV
1	0	[illegible]	20	[illegible]	200/050	1 L	10	4.0	500/100	4 L	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAMBERT-MURFIN COMPANY

NSCO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS