G00447 Permit # ~~20303~~ 20356 20302

ENERGY RESOURCES, INC.

Pacific Kansas 66071
913 294 5050

Lawrence Kansas 66044
1703 Iowa
913 841 8886

FILING NO.

COMPANY CARMEL ENERGY, INC. [redacted]

WELL C.E.I. 80

FIELD IDA FAUVERGUE

COUNTRY VERNON CO., MISSOURI

LOCATION: 1,250 FNL
470 FWL

SEC 33 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM G.L. ELEV.
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

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

DATE	4-28-80	4-28-80	
RUN NO.	1 NW	1 NW	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH-DRILLER	135.5	135.5	
DEPTH-LOGGER	135.5	135.5	
BOTTOM LOGGED INTERVAL	130.0	134.5	
TOP LOGGED INTERVAL	0.0	4.5	
TYPE FLUID IN HOLE	WTR/OIL	WTR/OIL	
SALINITY, PPM CL			
DENSITY			
LEVEL	FULL	FULL	
MAX. REC. TEMP., DEG. F			
OPERATING RIG TIME			
RECORDED BY	E. PRATT	E. PRATT	
WITNESSED BY	V. YOUNG	V. YOUNG	

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				O/H		G.L.	T.D.

OCT 0 6 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY		NEUTRON	
RUN NO.	1 NW		1 NW	
TOOL MODEL NO.	705		NEU/NEU	
DIAMETER	1 11/16"		705	
DETECTOR MODEL NO.	705-GE		1 11/16"	
TYPE	GEIGER		705 HE-3	
LENGTH	1 3/8" x 18"		HE	
DISTANCE TO N. SOURCE	4.5		1" x 6"	
SOURCE MODEL NO.			71-1	
SERIAL NO.			71-1-335 G	
SPACING			13"	
TYPE			AMBE-241	
STRENGTH			3 CI	

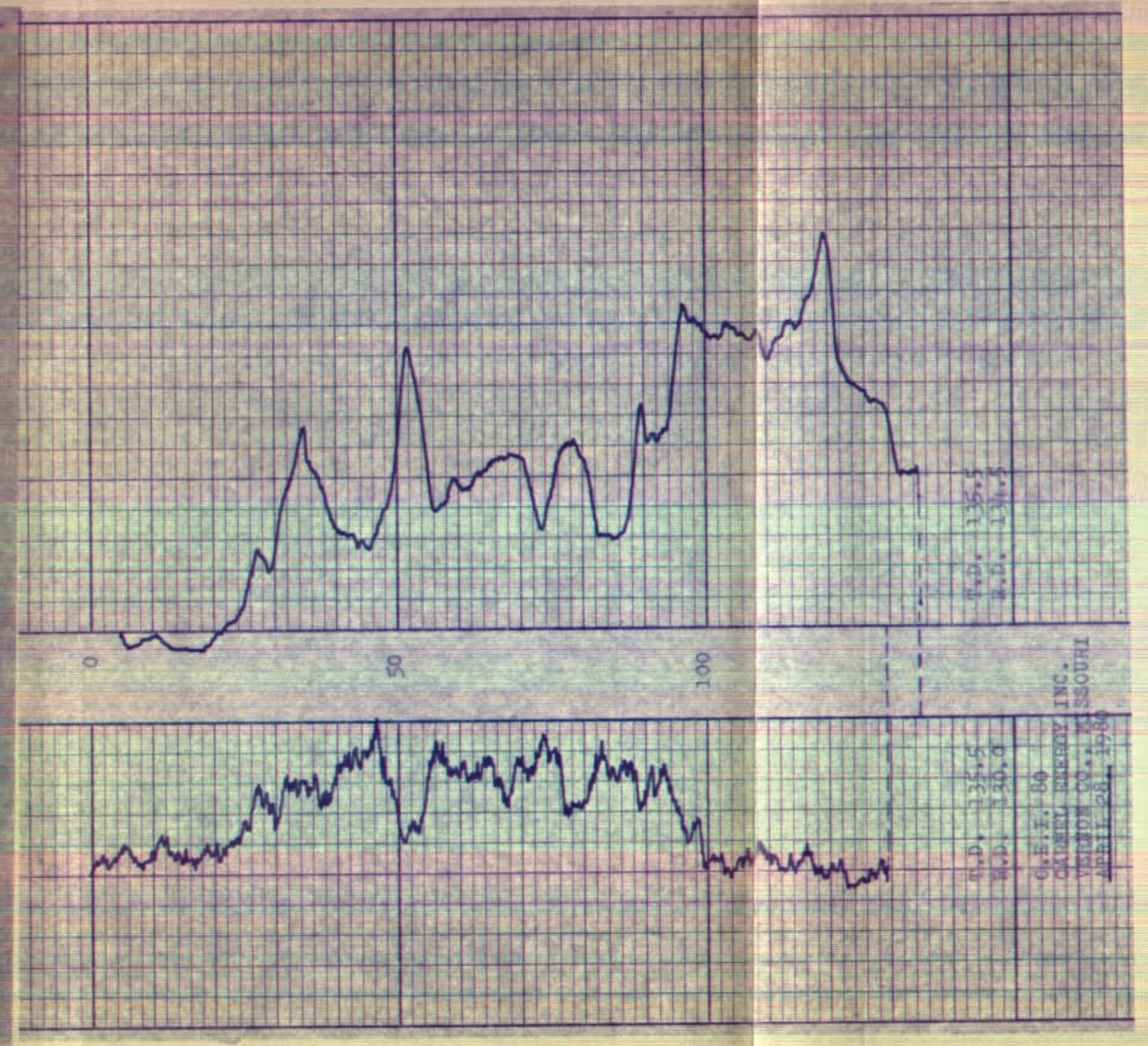
GENERAL

HOIST TRUCK NO.	0020										
INSTRUMENT TRUCK NO.	0020										
TOOL SERIAL NO.	0002										

LOGGING DATA

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	T.D.	30	2.0	100/100	3 R	10	2.0	500/095	0	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

GAMMA RAY API UNITS — DEPTH AND CASING — NEUTRON API UNITS