600377

ENERGY RESOURCES, INC.

Parsons, Kansas 67357
P.O. Box 467
913-794-5093

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY: CARMEL ENERGY INC. [redacted]

WELL: NO. 3

FIELD: MITCHELL LEASE

COUNTY: VERNON - MISSOURI

LOCATION: 165.0 FSL, 565.0 FWL

SEC 21 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	8-26-80	8-26-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	190.0	190.0
DEPTH-LOGGER	188.5	188.5
BOTTOM LOGGED INTERVAL	183.0	187.5
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	E.PRATT	E. PRATT
WITNESSED BY	V.YOUNG	V. YOUNG

RUN NO	BIT	BORE-HOLE RECORD FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
				C/H			

OCT 06 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

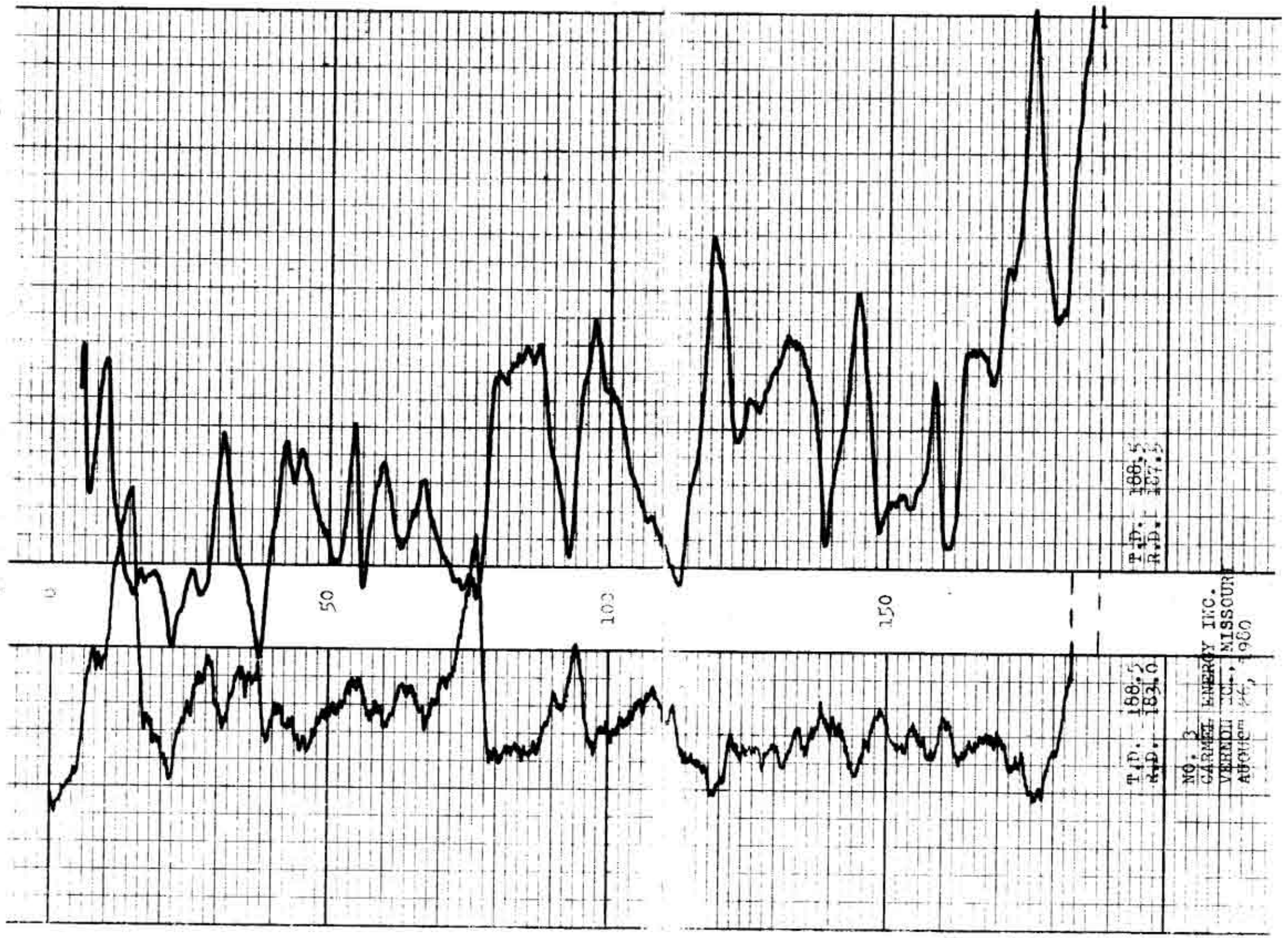
	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
TOOL MODEL NO.	705	NRT/WRT
DIAMETER	1 11/16"	705
DETECTOR MODEL NO.	705-GR	1 11/16"
TYPE	GEIGER	705 HR-3
LENGTH	1 3/8" x 18"	HS
DISTANCE TO SOURCE	4.5	1" x 6"
SOURCE MODEL NO		71-1
SERIAL NO	0020	71-1-335 G
SPACING	0020	13"
TYPE	0020	AMBE-241
STRENGTH	0002	3 CI
HOIST TRUCK NO		
INSTRUMENT TRUCK NO		
TOOL SERIAL NO		

LOGGING DATA

GENERAL				GAMMA RAY						NEUTRON			
DEPTHS FROM	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.
0	T.D.	20	4.0	100/RS	2 L	10	4.0	500/100	8 L	20

REFERENCE LITERATURE: CASING COLLAR = NOT CEMENTED

REMARKS: [illegible] CASING COLLAR FACTOR: LAYER - WESTERN COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS