600329

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 - 8 [redacted]

FIELD: BILLY WOOD LEASE [redacted]

COUNTY: VERNON - MISSOURI Core: 00142

LOCATION: 1440.0 FSL, 2204.0 FEL

SEC. 21 TWP. 34N RGE. 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 801.7
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B.
D.F.
G.L. 801.7

DATE	10-24-80	10-24-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	108.5	108.5
DEPTH—LOGGER	107.2	107.2
BOTTOM LOGGED INTERVAL	101.7	101.2
TOP LOGGED INTERVAL	0.0	[illegible]
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
				0/4		0	T.D.

OCT 31 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
TOOL MODEL NO.	705	NEU/ANEU
DIAMETER	1 11/16	705
DETECTOR MODEL NO.	700-GR	1 11/16
TYPE	GEIGER	705 HR-3
LENGTH	1 3/8" x 10"	HR
DISTANCE TO N. SOURCE	1.5	1" x 6"
SOURCE MODEL NO.		77-1
SERIAL NO.		77-1-335 G
SPACING		13"
TYPE		AMER. PIP
STRENGTH		3 CT

GENERAL

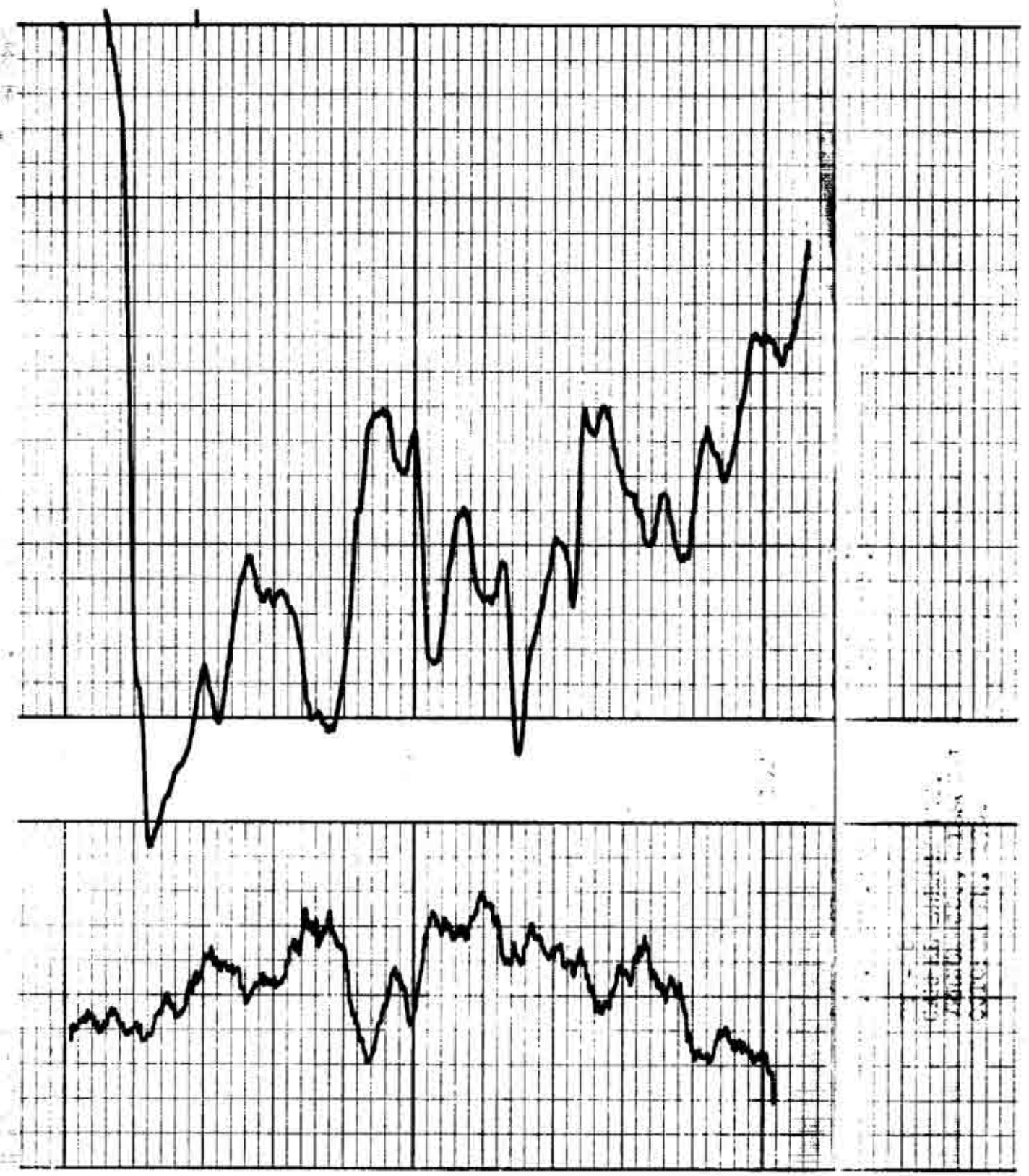
HOIST TRUCK NO.	00.0
INSTRUMENT TRUCK NO.	00.0
TOOL SERIAL NO.	0002

LOGGING DATA

RUN NO	GENERAL DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC.	GAMMA RAY SENS. SETTINGS	ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	NEUTRON SENS. SETTINGS	ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	T.D.	20	4.0	100/025	3 R	10	1.0	100/100	3 L	20

REFERENCE LITERATURE: GRAY BOOK

REMARKS: DRILLING MOM. ACCUM. TERS. DRILLING COMPANY

N500 19240

GAMMA RAY DEPTH NEUTRON CASING COLLARS