G00422

ENERGY RESOURCES, INC.

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

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY: CARMEL ENERGY INC.

WELL: NO. 2 [redacted]

FIELD: KENTON PETTIBON TRACT [redacted]

COUNTY: VERNON - MISSOURI

LOCATION: 1403.0 FWL, 1334.0 FSL

SEC 27 TWP 35N RGE 33W

OTHER SERVICES: CCL

PERMANENT DATUM: G.L. ELEV. 792.6
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B.
D.F.
G.L. 792.6

DATE	10-17-80	10-17-80	
RUN NO.	1 NW	1 NW	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH—DRILLER	189.0	189.0	
DEPTH—LOGGER	188.8	188.8	
BOTTOM LOGGED INTERVAL	183.3	187.5	
TOP LOGGED INTERVAL	0.0	4.2	
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	PRATT	PRATT	
WITNESSED BY			

RUN NO	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
				8 5/8		0	T.D.

OCT 9 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
LOG TYPE		NEUTRON
TOOL MODEL NO.	105	705
DIAMETER	1 1/16"	1 1/16"
DETECTOR MODEL NO.	105-22	705 HE-3
TYPE	GM TUBE	HE
LENGTH	13 3/8" x 1 3/8"	2" x 6"
DISTANCE TO N. SOURCE	4.5	71-1
SOURCE MODEL NO.		71-1-3
SERIAL NO.		13"
SPACING	0020	AMBB-2
TYPE	0020	3 CI
STRENGTH	0022	

GENERAL

RUN NO.	1
TOOL MODEL NO.	105
DIAMETER	1 1/16"
DETECTOR MODEL NO.	105-22
TYPE	GM TUBE
LENGTH	13 3/8"
DISTANCE TO N. SOURCE	4.5
HOIST TRUCK NO.	0020
INSTRUMENT TRUCK NO.	0020
TOOL SERIAL NO.	0022

LOGGING DATA

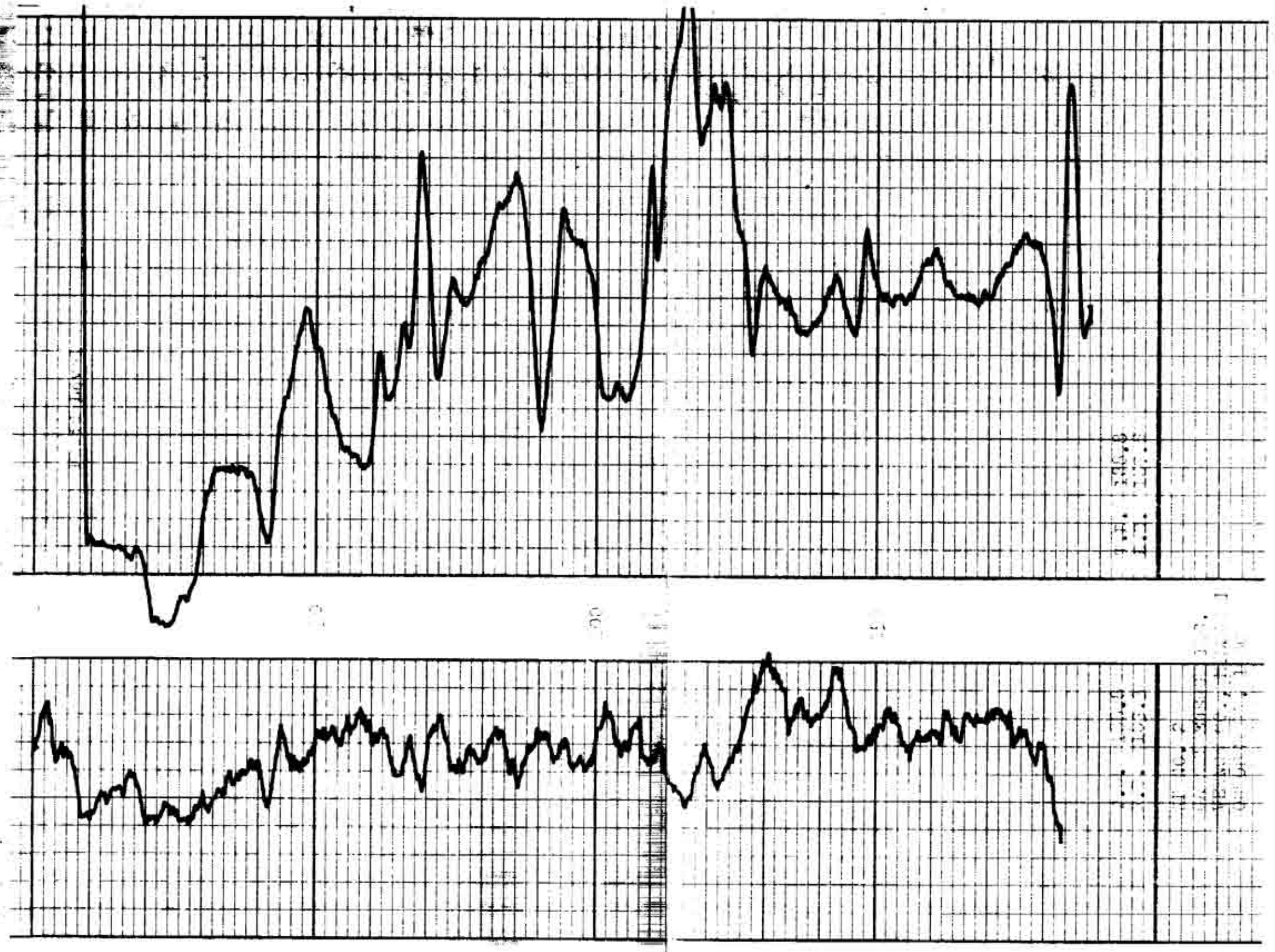
GENERAL	GAMMA RAY	NEUTRON
RUN NO.	1	1
DEPTHS FROM	0	4.2
DEPTHS TO	183.3	187.5
SPEED FT/MIN	20	20
T.C. SEC	4.0	4.0
SENS SETTINGS	100/075	500/100
ZERO DIV. I OR II	0	5
API G.R. UNITS PER LOG DIV	10	20
T.C. SEC.	4.0	4.0
SENS. SETTINGS	500/100	
ZERO DIV. I OR II	5	
API N. UNITS PER LOG DIV.	20	

REFERENCE LITERATURE: OPEN HOLE - NO [illegible]

REMARKS: DRILLED [illegible] CASING [illegible] 5002.4NZ

NEUTRON

GAMMA RAY

DEPTH

CASING COLLARS