ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913 294 5050

Lawrence, Kansas 66044
1203 Kiwa
913-841 8886

FILING NO.

COMPANY: CARMEL ENERGY INC.

WELL: FI NO. 10

FIELD: IDA FAUVERGUE (HENRY LEASE)

COUNTY: VERNON - MISSOURI

LOCATION: 2440.0 FSL
1965.0 FWL

SEC 3 TWP. 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 782.7
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B.
D.F.
G.L. 782.7

DATE	9-24-80	9-27-80
RUN NO.	ONE	TWO
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	249.3	214.3
DEPTH-LOGGER	247.6	214.6
BOTTOM LOGGED INTERVAL	242.1	214.6
TOP LOGGED INTERVAL	4.0	0.2
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	10.0	10.0
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
				9/4		0	[illegible]

OCT 6 1980
MO. OIL & GAS COUNCIL

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	[illegible]	ONE
LOG TYPE	[illegible]	NEUTRON
TOOL MODEL NO	[illegible]	205
DIAMETER	1 1/4"	1 11/16"
DETECTOR MODEL NO	705-GR	705 HR-3
TYPE	GEIGER	HR
LENGTH	1 5/8" x 21"	1" x 6"
DISTANCE TO N. SOURCE	[illegible]	21-1
SERIAL NO		21-1-335 G
SPACING		13"
TYPE		AMBs-241
STRENGTH		3 CI

GENERAL

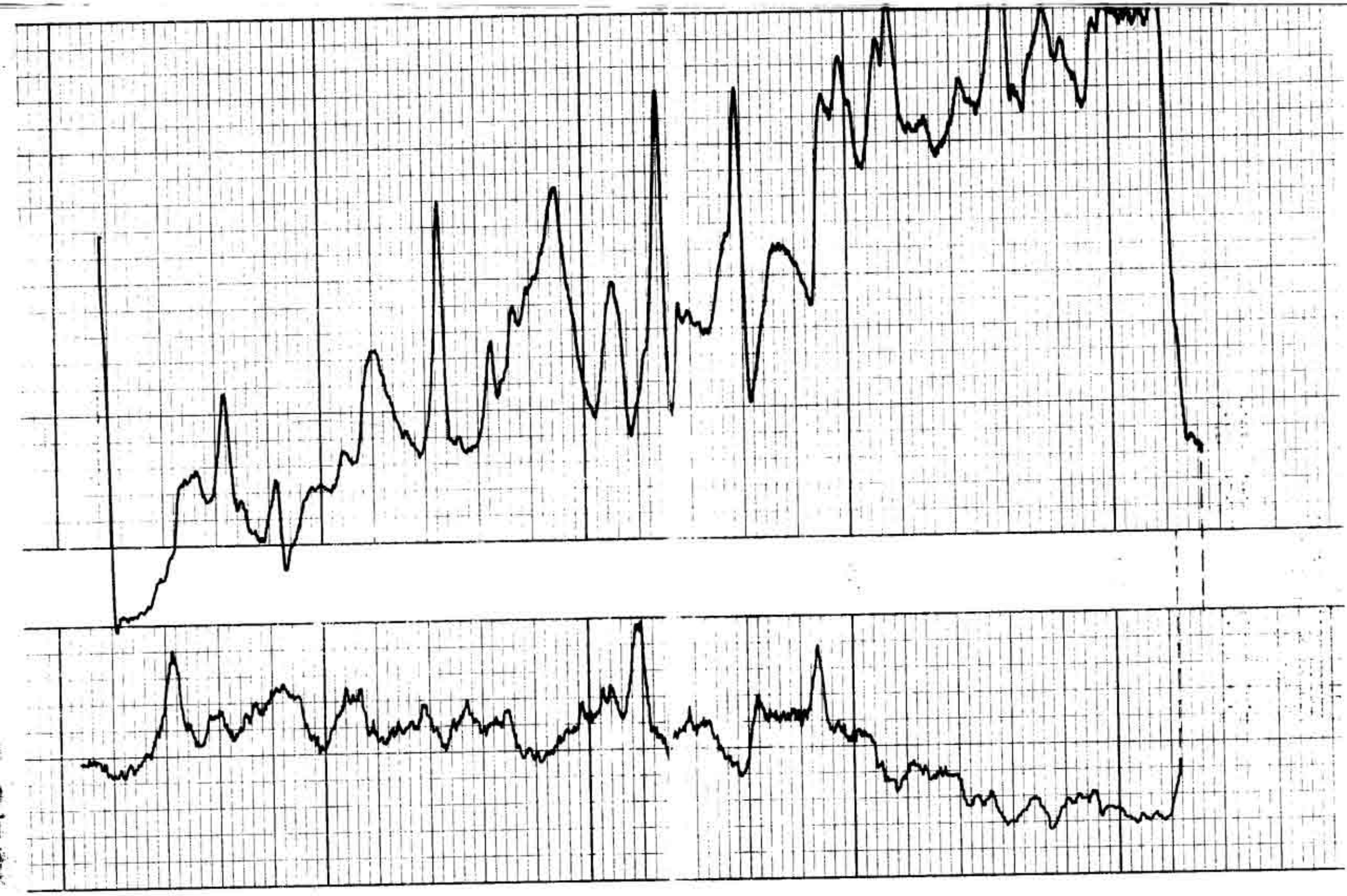
HOIST TRUCK NO.	0020
INSTRUMENT TRUCK NO.	0020
TOOL SERIAL NO.	[illegible]

LOGGING DATA

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

REFERENCE LITERATURE: OPER. NO. - [illegible]

REMARKS: DRILLING CONTRACTOR: [illegible]

NSCO 16240

GAMMA RAY DEPTH NEUTRON CASING COLLARS