600304

ENERGY RESOURCES, INC.

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

Lawrence, Kansas 66044
1203 Iowa
913 841-8886

RELEASED

FILING NO.

COMPANY: CARMEL ENERGY INC.
WELL: RL - 4
FIELD: RAYMOND LINN LEASE
COUNTY: VERNON - MISSOURI Core: C01126

LOCATION: 1400.0 FNL, 2490.0 FWL
SEC 32 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 826.3
LOG MEASURED FROM: G.L. FT ABOVE PERM DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B. / D.F. / G.L. 826.3

DATE	11-26-80	11-26-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	108.5	108.2
BOTTOM LOGGED INTERVAL	103.0	107.5
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	13.0	13.0
MAX. REC. TEMP., DEG F.		
OPERATING RIG TIME		
RECORDED BY	MORGAN	MORGAN
WITNESSED BY		

RUN NO	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
				OPEN HOLE			

DEC 0 8 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
LOG TYPE		NEU/NEU
TOOL MODEL NO.	705	705
DIAMETER	1 11/16"	1 11/16"
DETECTOR MODEL NO.	705-GE	705 HE-3
TYPE	GEIGER	HE
LENGTH	1 3/8" x 18"	1" x 6"
DISTANCE TO N. SOURCE	4.5	71-1
SOURCE MODEL NO.		71-1-335 G
SERIAL NO.		13"
SPACING		AMBE-211
TYPE		3 CI
STRENGTH		

GENERAL

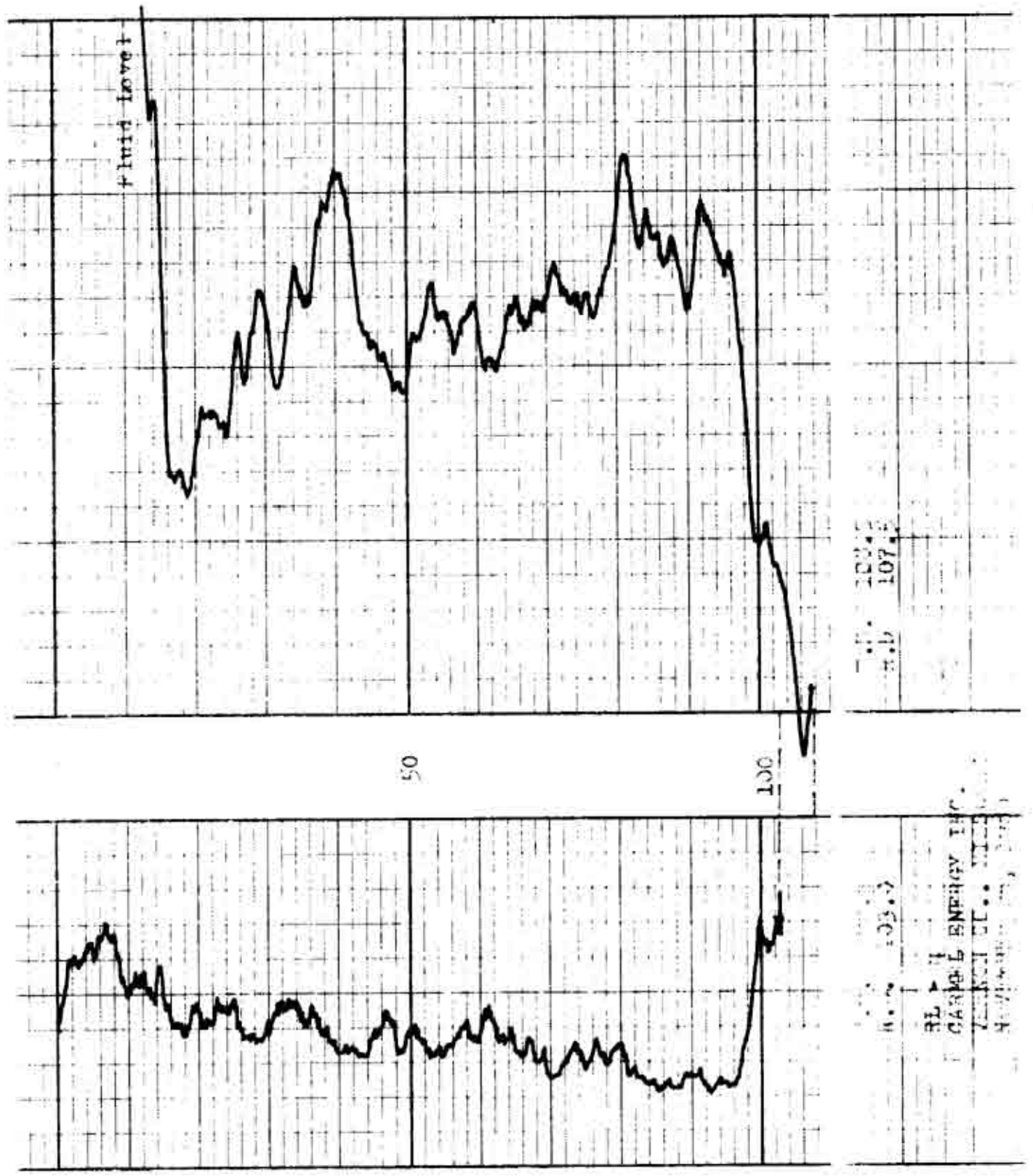
HOIST TRUCK NO.	0020
INSTRUMENT TRUCK NO.	0020
TOOL SERIAL NO.	0002

LOGGING DATA

RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	GAMMA RAY API G.R. UNITS PER LOG DIV.	NEUTRON T.C. SEC	NEUTRON SENS. SETTINGS	NEUTRON ZERO DIV. L OR R	NEUTRON API N. UNITS PER LOG DIV.
1	0	T.D.	20	4.0	100/025	0	10	4.0	500/100	5 L	20

REFERENCE LITERATURE: OPEN HOLE

REMARKS: DRILLING CONTRACTOR: TEST DRILLING COMPANY

GAMMA RAY — DEPTH — NEUTRON

CASING COLLARS