G00264

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913-294-5050
Lawrence, Kansas 66044

RELEASED

DEC / 0 1980

NO. OIL & GAS COUNCIL

FILING NO

COMPANY CARMEL ENERGY INC.

WELL WB - 18

FIELD WESLEY BATCHELER LEASE

COUNTY VERNON - MISSOURI

LOCATION 2050.0 FNL 500.0 FWL

SEC 17 TWP 34N RGE 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV 787.1

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV. K.B. N.A. D.F. N.A. G.L. 787.1

DATE	12-3-80	12-3-80	
RUN NO.	1 NW	1 NW	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH-DRILLER			
DEPTH-LOGGER	148.1	148.1	
BOTTOM LOGGED INTERVAL	142.6	147.1	
TOP LOGGED INTERVAL	0.0	4.5	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY, PPM CL			
DENSITY			
LEVEL	9.0	9.0	
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	0	148.1

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO	1 NW	1 NW
TOOL MODEL NO	705	NEU/NEU
DIAMETER	1 11/16"	705
DETECTOR MODEL NO	705-GE	1 11/16"
TYPE	GEIGER	705 HE-3
LENGTH	1 3/8" x 18"	HE
DISTANCE TO N. SOURCE	4.5	1" x 6"
SOURCE MODEL NO		71-1
SERIAL NO		71-1-335 G
SPACING		13"
TYPE		AMBE-241
STRENGTH		3 CI

GENERAL

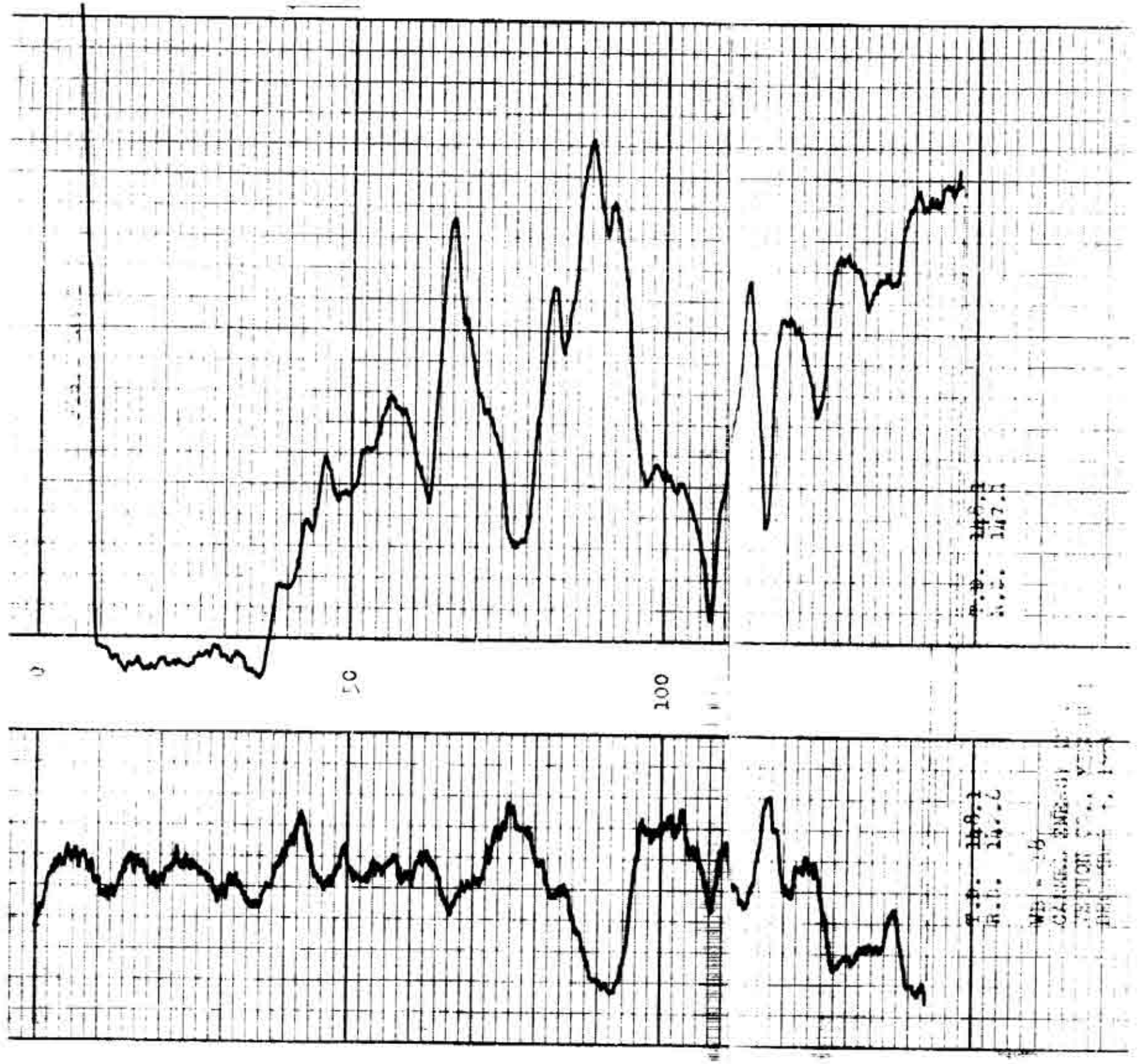
HOIST TRUCK NO	0020
INSTRUMENT TRUCK NO	0020
TOOL SERIAL NO	0002

LOGGING DATA

RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT MIN	T.C. SEC	SENS SETTINGS	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
1	0	T.D.	20	4.0	100/075	0 R	10	4.0	500/100	5 L	20

REFERENCE LITERATURE OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: TEST DRILLING COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS