600259

ENERGY RESOURCES, INC.

RELEASED

Lawrence, Kansas 66044
1203 Iowa
913 841 8886

FILING NO.

COMPANY: CARMEL ENERGY INC.

WELL: NO. WB-8

FIELD: WESLEY BATCHELER LEASE

COUNTY: VERNON - MISSOURI Core C01135

LOCATION: 2315.0 FNL, 2400.0 FWL

SEC 17 TWP 34N RGE 33W

OTHER SERVICES

PERMANENT DATUM: G.L. ELEV.

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

DRILLING MEASURED FROM: G.L.

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

DATE	12-16-80	12-16-80	
RUN NO	1 NW	1 NW	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH—DRILLER	128.0	128.0	
DEPTH—LOGGER	126.8	126.8	
BOTTOM LOGGED INTERVAL	121.3	125.8	
TOP LOGGED INTERVAL	0.0	4.5	
TYPE FLUID IN HOLE	WATER	WATER	
SALINITY, PPM CL			
DENSITY			
LEVEL	12.0	12.0	
MAX REC TEMP, DEG F			
OPERATING RIG TIME			
RECORDED BY	PRATT	PRATT	
WITNESSED BY	HEITZ	HEITZ	

DEC 22 1980
MO. OIL & GAS COUNCIL

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

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 WB-3
LENGTH	1 3/8" x 18"	HE
DISTANCE TO N. SOURCE	4.2	1" x 6"
SOURCE MODEL NO		71-1
SERIAL NO		71-1-335 G
SPACING		13"
TYPE		AMBE-[illegible]
STRENGTH		3 CI

GENERAL

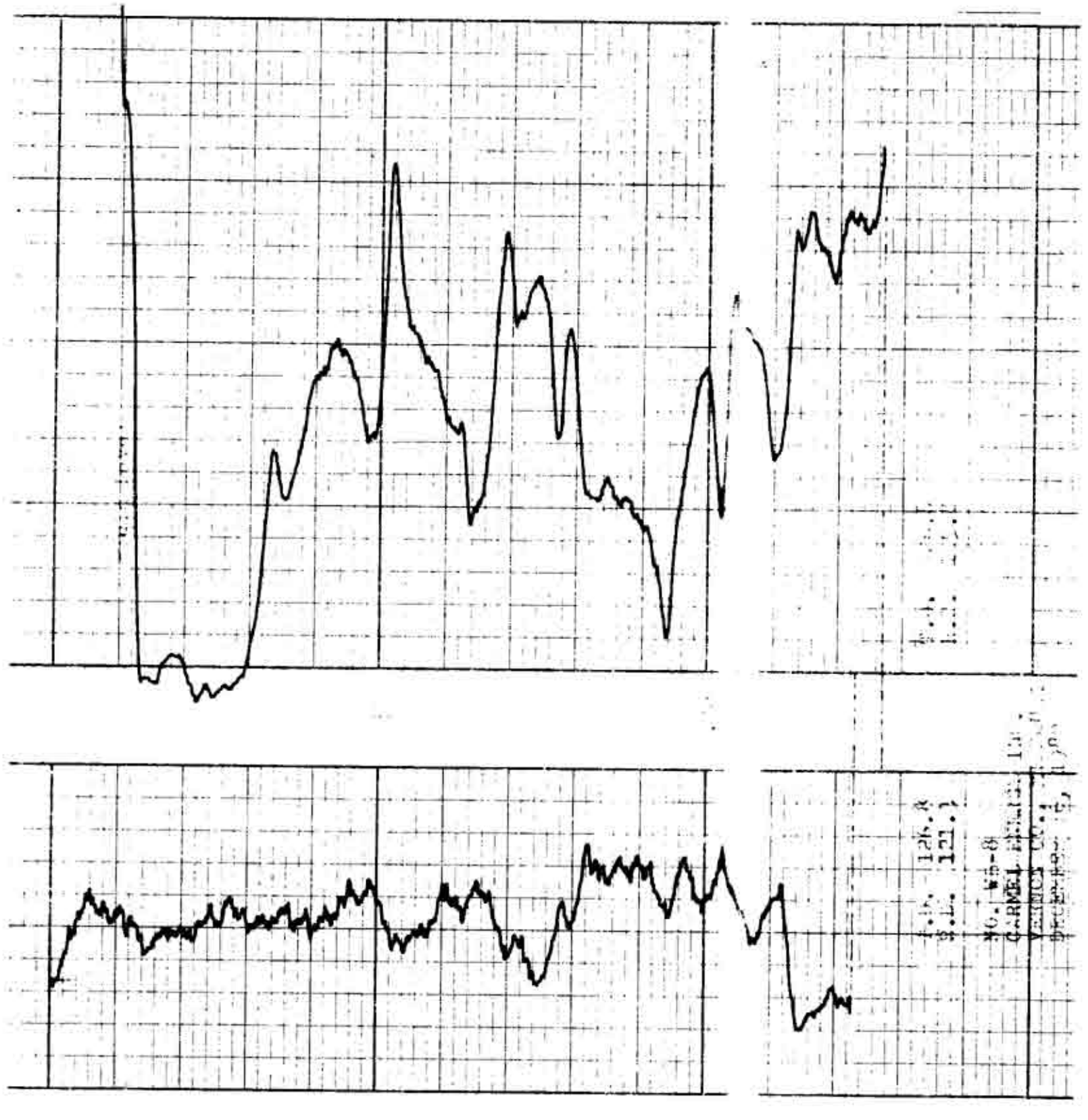
HOIST TRUCK NO	0020
INSTRUMENT TRUCK NO	0020
TOOL SERIAL NO	0002

LOGGING DATA

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