G00262

RELEASED

ENERGY RESOURCES, INC.

P O Box 467
913 294-5050
Lawrence, Kansas 66044
1203 Iowa
913 841 8886

FILING NO.

COMPANY: CARMEL ENERGY INC.
WELL: NO. WB-12
FIELD: WESLEY BATCHELER LEASE
COUNTY: VERNON - MISSOURI

LOCATION: 2350.0 FNL, 1699.0 FEL
SEC 17 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 804.4
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. 804.4

DATE	12-16-80	12-16-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	148.0	148.0
DEPTH-LOGGER	146.0	146.0
BOTTOM LOGGED INTERVAL	140.5	147.0
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	17.0	17.0
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
LOG TYPE		NEUTRON
TOOL MODEL NO	705	705
DIAMETER	1 11/16"	1 11/16"
DETECTOR MODEL NO	702-GE	705 HE-3
TYPE	GEIGER	HE
LENGTH	1 3/8" x 18"	2" x 6"
DISTANCE TO N. SOURCE	4.5	71-1
SOURCE MODEL NO		71-1-335 G
SERIAL NO		23"
SPACING		AMSE-411
TYPE		3 CI
STRENGTH		

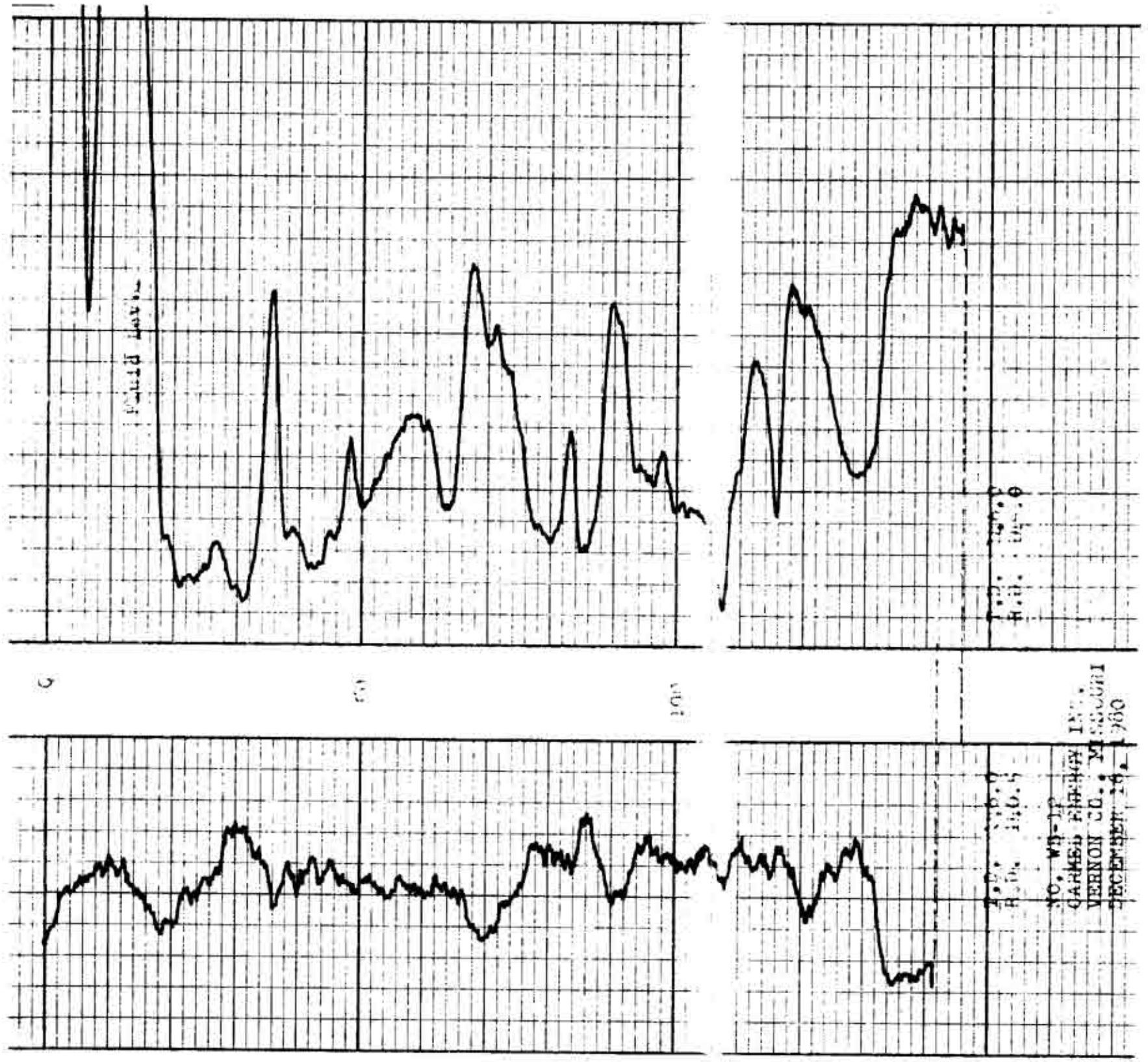
GENERAL

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	T.C. SEC.	SENS SETTINGS	NEUTRON ZERO DIV L OR R	NEUTRON API N UNITS PER LOG DIV
1	0	T.D.	29	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