G01016

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: OBS - 2

FIELD: IDA FAUVERGUE LEASE

COUNTY: VERNON - MISSOURI

LOCATION: 1060.0 FNL, 444.0 FWL

SEC. 33 TWP. 35N. RGE. 33W.

OTHER SERVICES: CCL

PERMANENT DATUM: G.L. ELEV. 792.6
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. 792.6

DATE	11-28-80	11-28-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER		
DEPTH-LOGGER	144.9	144.9
BOTTOM LOGGED INTERVAL	139.4	143.9
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	FULL	FULL
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
				2"		0	T.D.

DEC 08 1980
MO. OIL & GAS COUNCIL

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

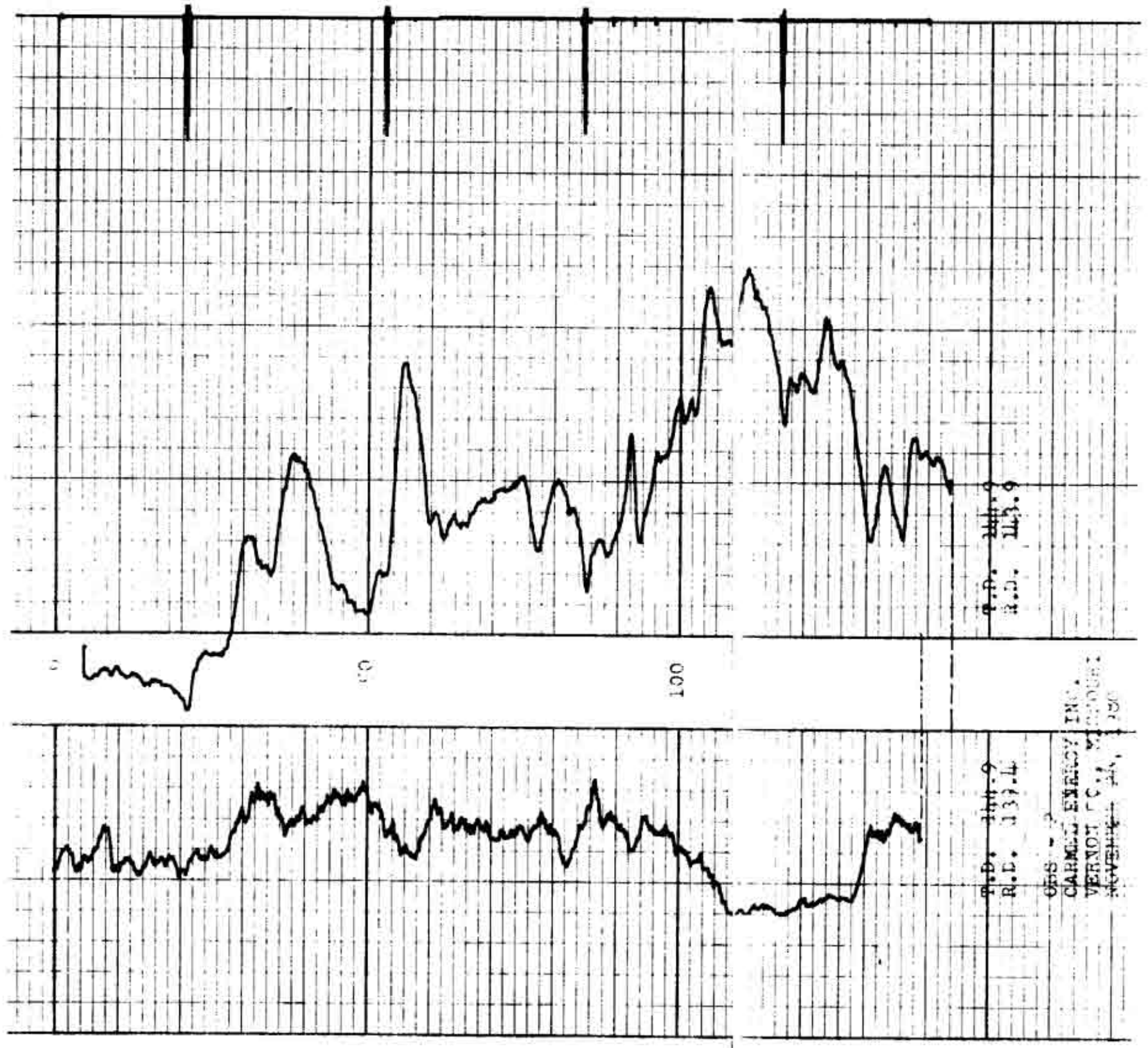
	GAMMA RAY	NEUTRON
RUN NO	1 NW	1 NW
LOG TYPE		NEU/NEU
TOOL MODEL NO	705	705
DIAMETER	1 11/16	1 11/16
DETECTOR MODEL NO	705-GR	705 HE-
TYPE	GEIGER	HE
LENGTH	1 3/8" x 1"	1" x 6"
DISTANCE TO N. SOURCE	4.5	71-1
SOURCE MODEL NO		71-1-335 G
SERIAL NO.		13"
SPACING		AMBR-2L
TYPE		3 CT
STRENGTH		
HOIST TRUCK NO	0020	
INSTRUMENT TRUCK NO	0020	
TOOL SERIAL NO.	0002	

LOGGING DATA

GENERAL 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	100/075	3 R	10	4.0	500/100	5 L	20

REFERENCE LITERATURE: 2"

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS