600581

ENERGY RESOURCES, INC.

Pleasant Hill, Kansas 66071
P.O. Box 417
913 294-5940

Ottawa, Kansas 66044
1203 Iowa
913 841 8886

RELEASED

FILING NO

COMPANY: Carmel Energy, Inc.

WELL: RL 13

FIELD: Raymond Linn Lease

COUNTY: Vernon County, Missouri Core: C01129

LOCATION: 165' FNL, 625' FWL
SEC 32 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRILLING MEASURED FROM: GL
ELEV: 813.2 FT. ABOVE PERM. DATUM
ELEV. K.B.: NA
D.F.: NA
G.L.: 813.2

DATE	12-29-80	12-29-80
RUN NO	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH - DRILLER		
DEPTH - LOGGER	118.7	118.7
BOTTOM LOGGED INTERVAL	113.2	117.7
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
				O/H			TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

THIS HEADING AND LOG CONFORMS TO API RP 33

FOLD HERE

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 B
SPACING	13"
TYPE	Am-Be 241
STRENGTH	3 CM

GENERAL: 0020, 0020, 0002

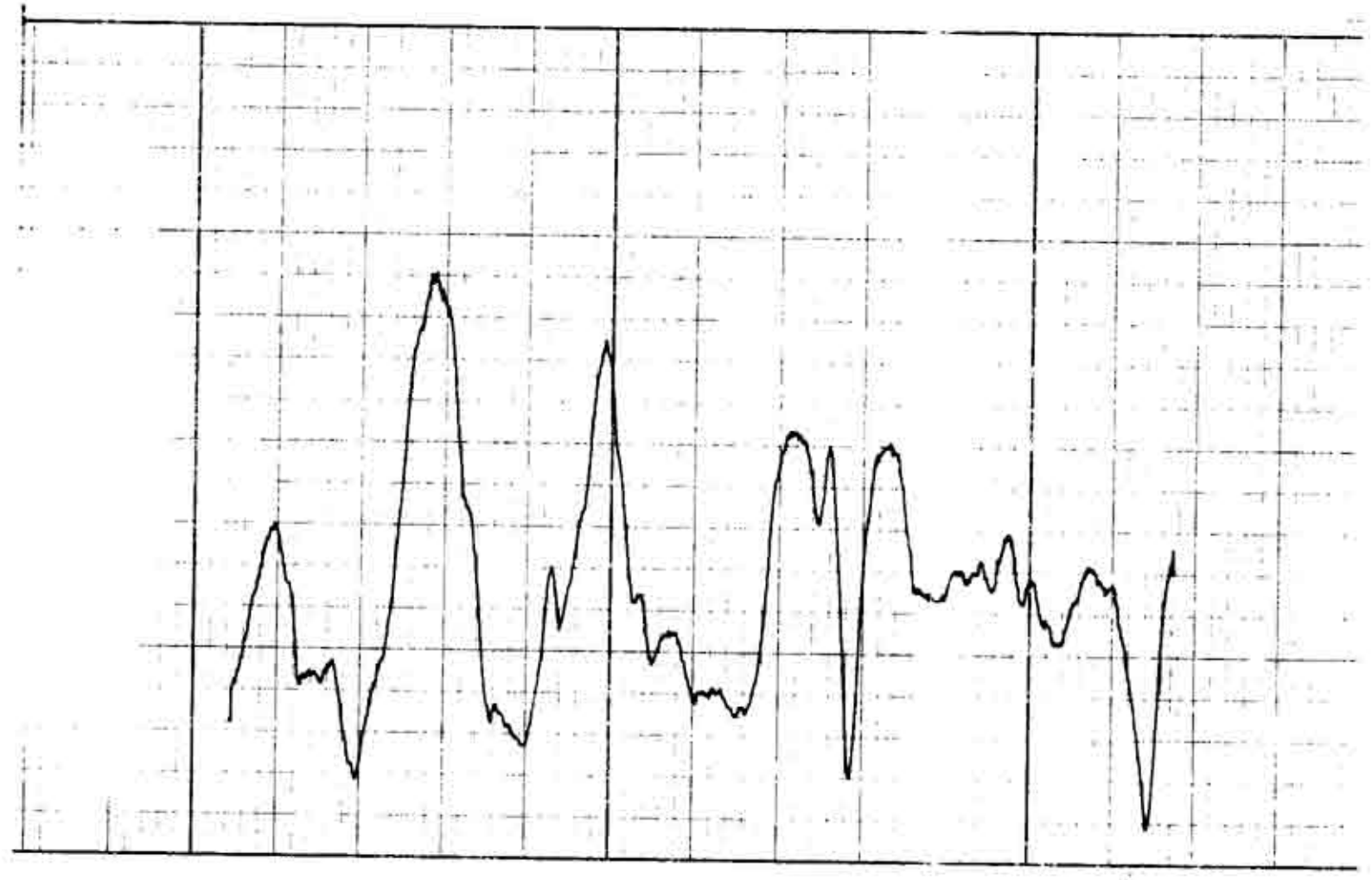
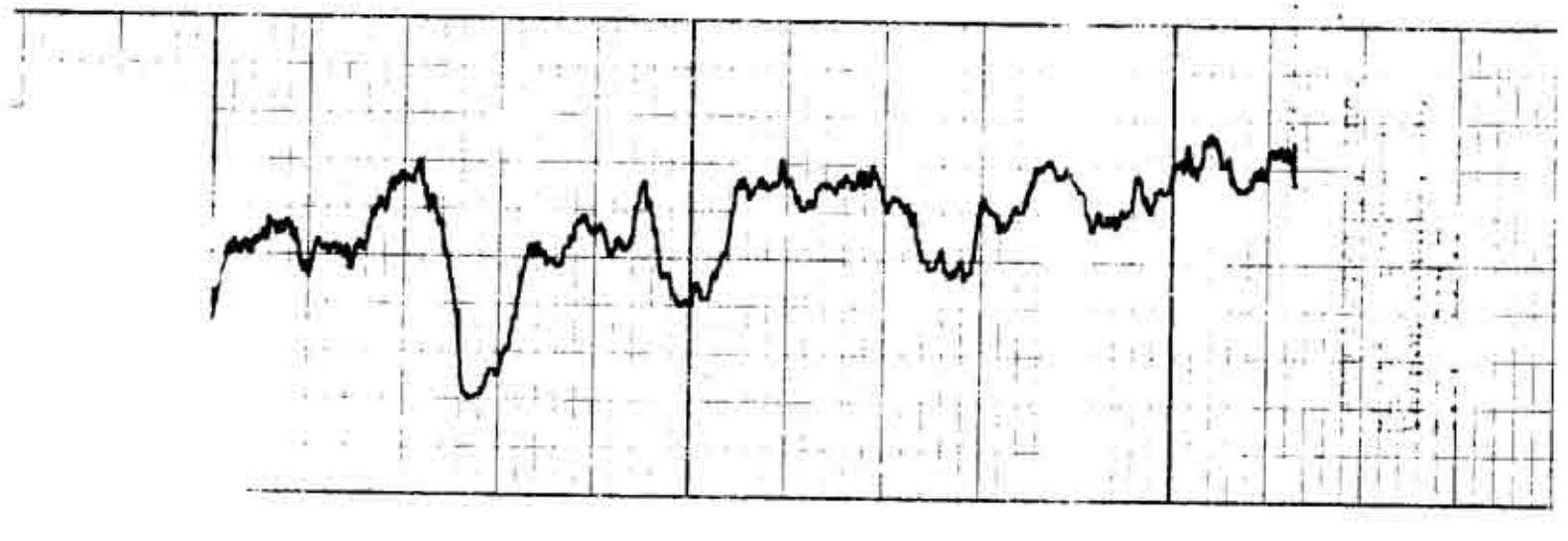
HOIST TRUCK NO
INSTRUMENT TRUCK NO
TOOL SERIAL NO

LOGGING DATA

GENERAL RUN NO	DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC	SENS SETTINGS	GAMMA RAY ZERO DIV.	API GR UNITS PER LOG DIV	T.C. SEC	SENS SETTINGS	NEUTRON ZERO DIV.	API N UNITS PER LOG DIV
1 NW	0	TD	20	4.0	100/075	0	10	4.0	500/100	5L	20

REFERENCE LITERATURE

REMARKS: DRILLING CONTRACTOR: TEST DRILLING COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS