600d75

ENERGY RESOURCES, INC.

Hays, Kansas 67601
P.O. Box 467
913 628-5567

Lawrence, Kansas 66044
1203 Iowa
913 841-8866

RELEASED

FILING NO

COMPANY: Carmel Energy, Inc.

WELL: JH 23-1

FIELD: John Hartzfield Lease

COUNTY: Vernon County, Missouri

LOCATION: 225.0 FSL, 225.0 FWL

SEC 23 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: GL ELEV. 840.0

LOG MEASURED FROM: GL FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM: GL

ELEV. K.B. NA, D.F. NA, G.L. 840.0

DATE	12-27-80	12-27-80
RUN NO.	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH—DRILLER		
DEPTH—LOGGER	126.4	126.4
BOTTOM LOGGED INTERVAL	120.9	125.4
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	water	water
SALINITY, PPM CL		
DENSITY		
LEVEL	51.0	51.0
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
				O/H		0	TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

FOLD HERE

EQUIPMENT DATA

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

GENERAL: 0020, 0020, 0002

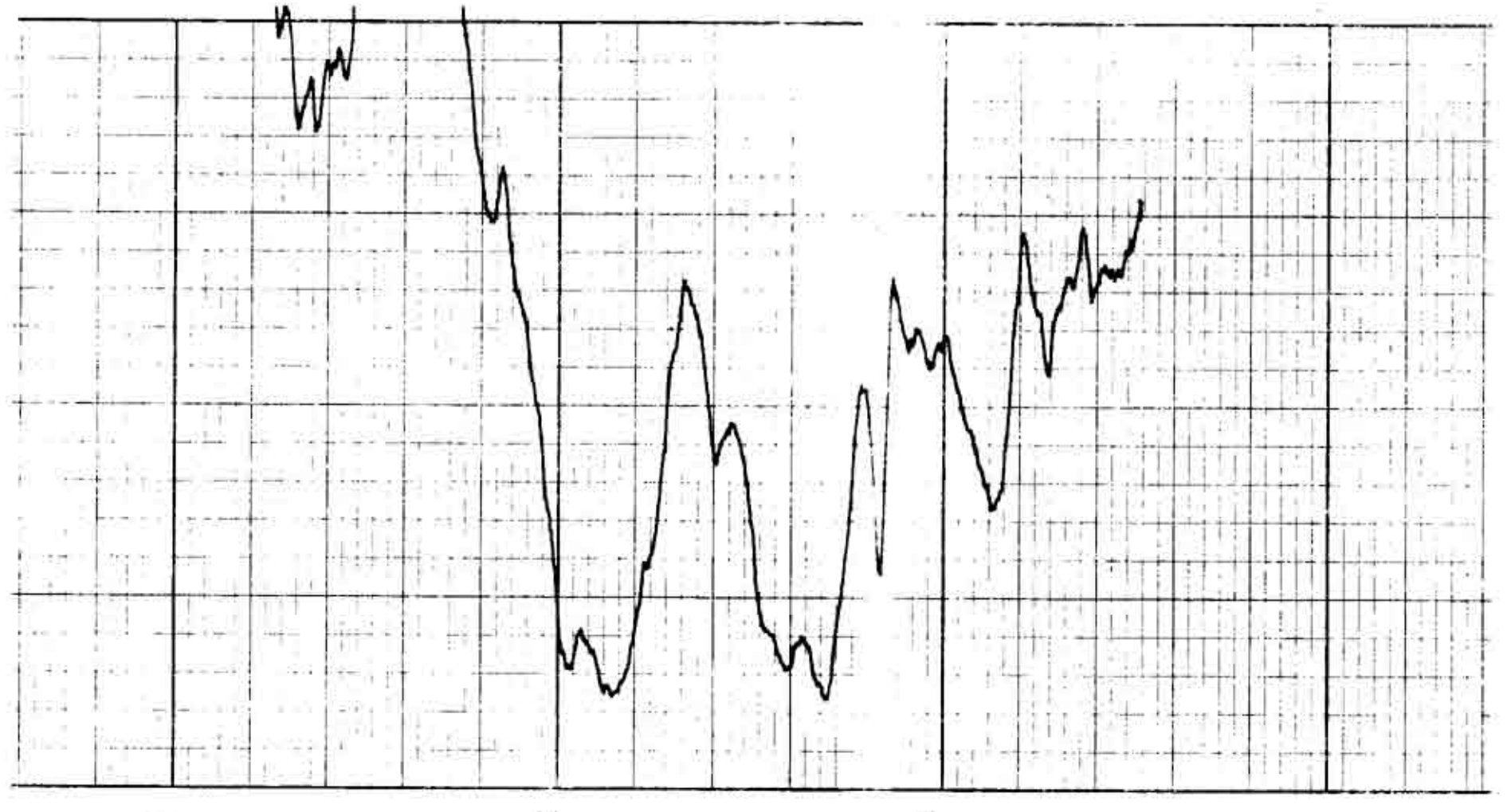
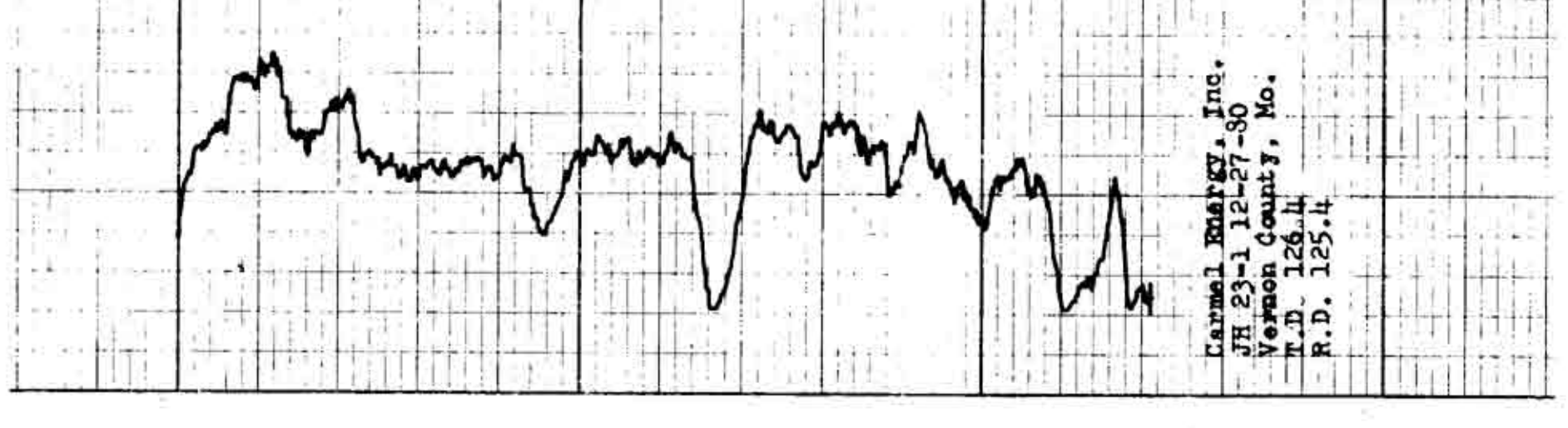
HOIST TRUCK NO
INSTRUMENT TRUCK NO
TOOL SERIAL NO

LOGGING DATA

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

REFERENCE LITERATURE:

REMARKS: Drilling Contractor: Test Drilling Company

GAMMA RAY — DEPTH — NEUTRON

CASING COLLARS