G00525

ENERGY RESOURCES, INC.

Paula, 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 KE 52
FIELD Kennedy Lease
COUNTY Vernon County, Mo.

LOCATION: 364 FWL 1803 FSL
SEC 28 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM GL ELEV 816.3
LOG MEASURED FROM GL FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM GL

ELEV.: K.B. NA
D.F. NA
G.L. 816.3

DATE	12-27-80	12-27-80
RUN NO	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH-DRILLER	180.0	180.0
DEPTH-LOGGER	180.0	180.0
BOTTOM LOGGED INTERVAL	174.5	179.0
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	Water-oil	Water-oil
SALINITY, PPM CL		
DENSITY		
LEVEL	13.0	13.0
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			TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

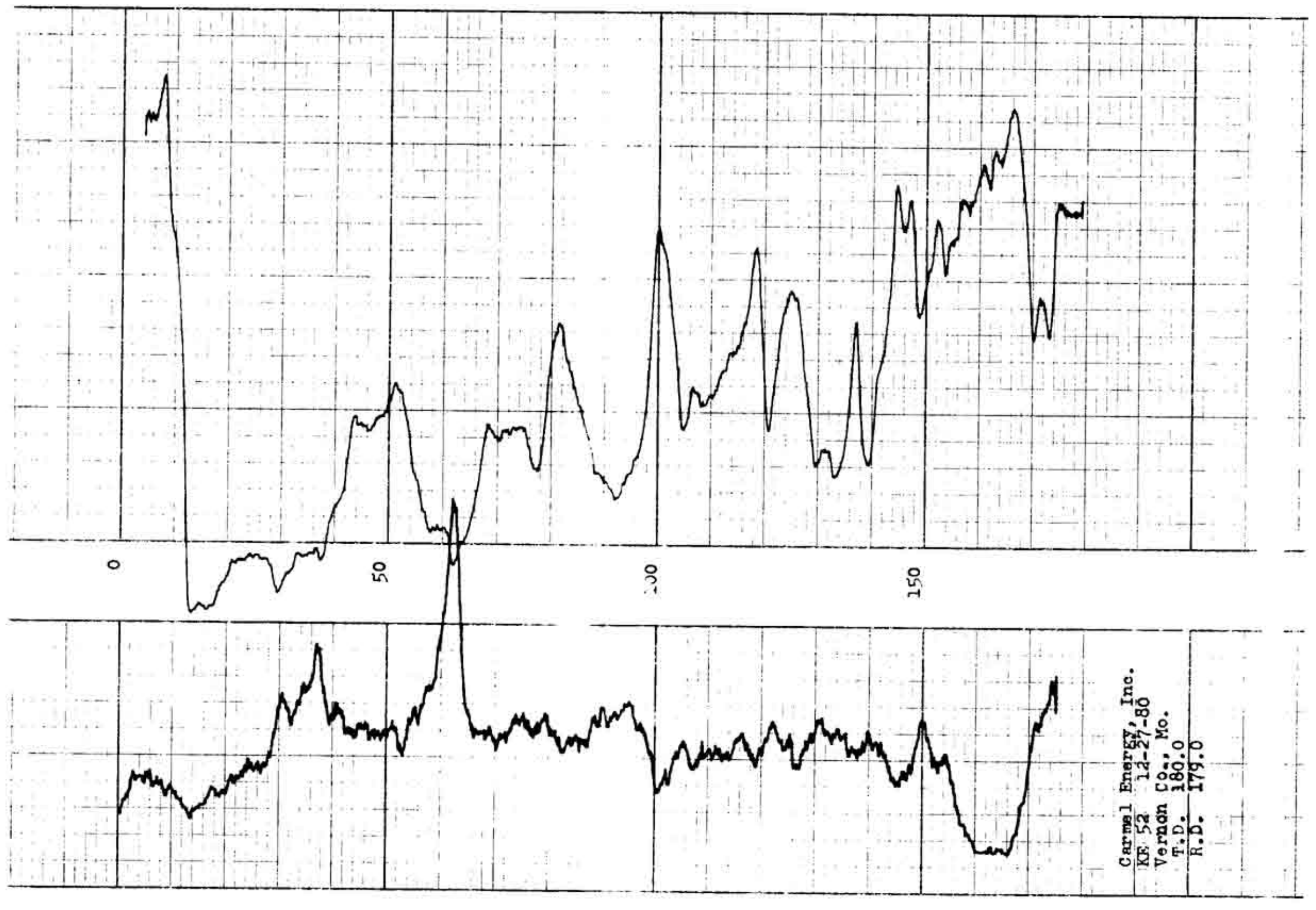
	GAMMA RAY	NEUTRON
RUN NO	1 NW	1 NW
TOOL MODEL NO	705	NEU/NEU
DIAMETER	1 11/16"	705
DETECTOR MODEL NO	705-GE	1 11/16"
TYPE	GEIGER	705 HE3
LENGTH	1 3/8" x 18"	HE
DISTANCE TO N. SOURCE	4.5	1" x 6"
SOURCE MODEL NO		71-1
SERIAL NO		71-1-335 G
SPACING		13"
TYPE		AMBE 241
STRENGTH		3 CI

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	ZERO DIV. L OR R	API G R UNITS PER LOG DIV	T.C. SEC	SENS. SETTINGS	ZERO DIV. L OR R	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: Layne Western Company

GAMMA RAY DEPTH NEUTRON CASING COLLARS