600315

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 LR 14

FIELD Lois Reniker Lease

COUNTY Vernon County, Missouri

LOCATION: 927 ft. SL 4141 ft. WL

SEC 19 TWP 34N RGE 33W

OTHER SERVICES

PERMANENT DATUM	GL	ELEV. 821.0	ELEV. K.B. NA
LOG MEASURED FROM	GL	FT ABOVE PERM. DATUM	D.F. NA
DRILLING MEASURED FROM	GL		G.L. 821.0

DATE	12-29-80	12-29-80
RUN NO	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH—DRILLER	78.1	78.1
DEPTH—LOGGER	72.6	77.1
BOTTOM LOGGED INTERVAL	0.0	4.5
TOP LOGGED INTERVAL	water	water
TYPE FLUID IN HOLE		
SALINITY, PPM CL		
DENSITY		
LEVEL	18.5	18.5
MAX. REC. TEMP., DEG F		
OPERATING RIG TIME		
RECORDED BY	Morgan	Morgan
WITNESSED BY		

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	TO
O/H		TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

FOLD HERE — THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO	1 NW		RUN NO	1 NW	
TOOL MODEL NO	705		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO	705	
DETECTOR MODEL NO	705-GE		DIAMETER	1 11/16"	
TYPE	Geiger		DETECTOR MODEL NO	705 HE-3	
LENGTH	1 3/8" x 18"		TYPE	HE	
DISTANCE TO N SOURCE	4.5		LENGTH	1" x 6"	
			SOURCE MODEL NO	71-1	
GENERAL			SERIAL NO	71-1-335	G
HOIST TRUCK NO.	0020		SPACING	13"	
INSTRUMENT TRUCK NO	0020		TYPE	AMBE-241	
TOOL SERIAL NO	0002		STRENGTH	3 CI	

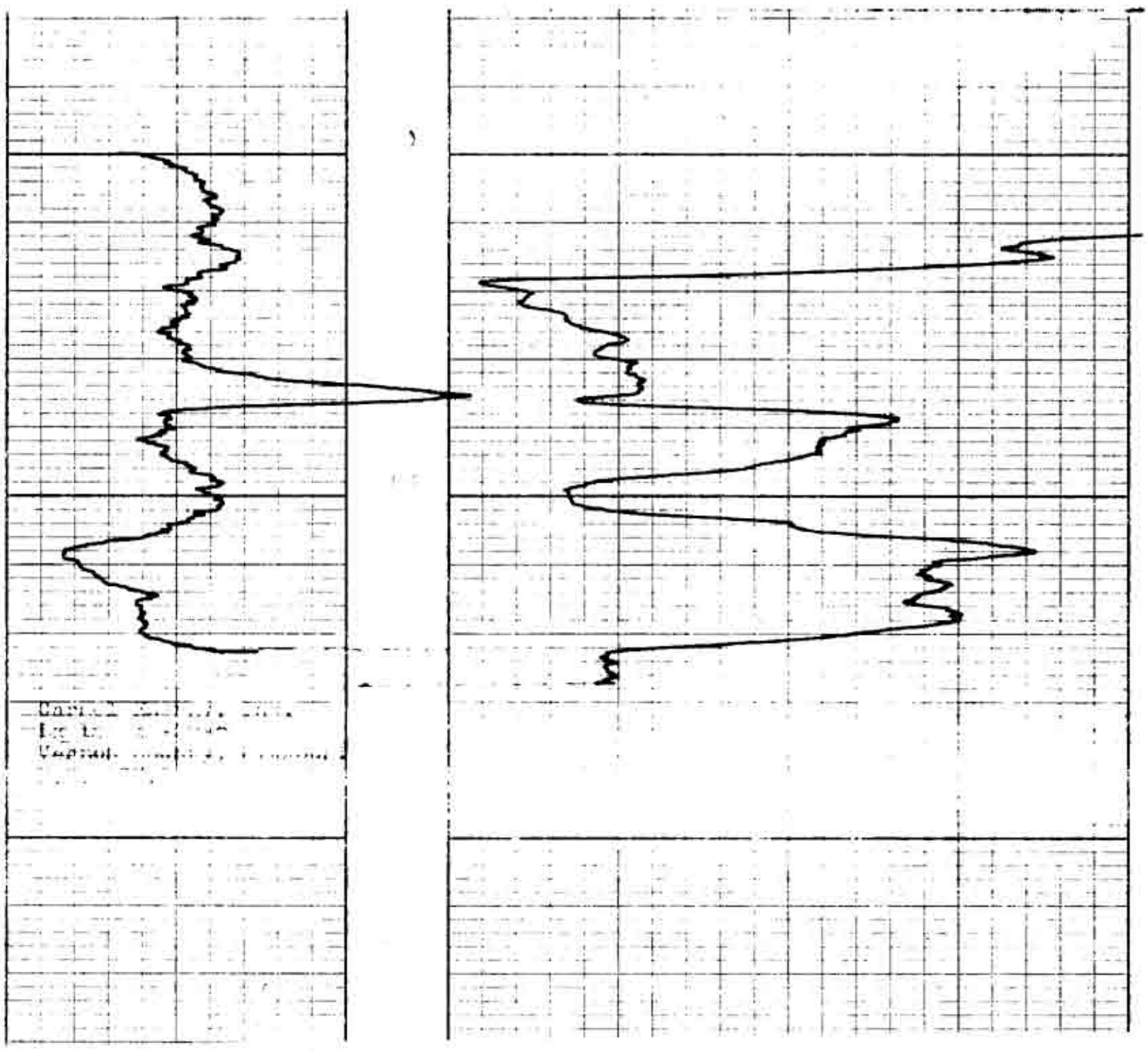
LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
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: TEST DRILLING COMPANY

NSLG 16249

GAMMA RAY DEPTH NEUTRON

CASING COLLARS