C00557

ENERGY RESOURCES, INC.

Parsons, Kansas 67357
P.O. Box 467
913 294 5060

Lawrence, Kansas 66044
1203 Iowa
913 841 8806

RELEASED

FILING NO

COMPANY Carmel Energy Inc.
WELL KE 40
FIELD Kennedy Lease
COUNTY Vernon County, Missouri

LOCATION 994 FWL 2346 FSL
SEC 28 TWP 35N RGE 33W

PERMANENT DATUM GL ELEV. 818.7
LOG MEASURED FROM GL FT ABOVE PERM DATUM
DRILLING MEASURED FROM GL

ELEV.: K.B. NA
D.F. NA
G.L. 818.7

OTHER SERVICES

DATE	12-27-80	12-27-80
RUN NO	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH-DRILLER	196.0	196.0
DEPTH-LOGGER	194.5	194.5
BOTTOM LOGGED INTERVAL	189.0	193.5
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	Water-oil	Water-oil
SALINITY PPM CL		
DENSITY		
LEVEL	14.0	14.0
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	FROM	TO
8 5/8			TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO	1 NW	RUN NO	1 NW
TOOL MODEL NO	705	LOG TYPE	NEU/NEU
DIAMETER	d1 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	AMBER 241
TOOL SERIAL NO	0002	STRENGTH	3 CI

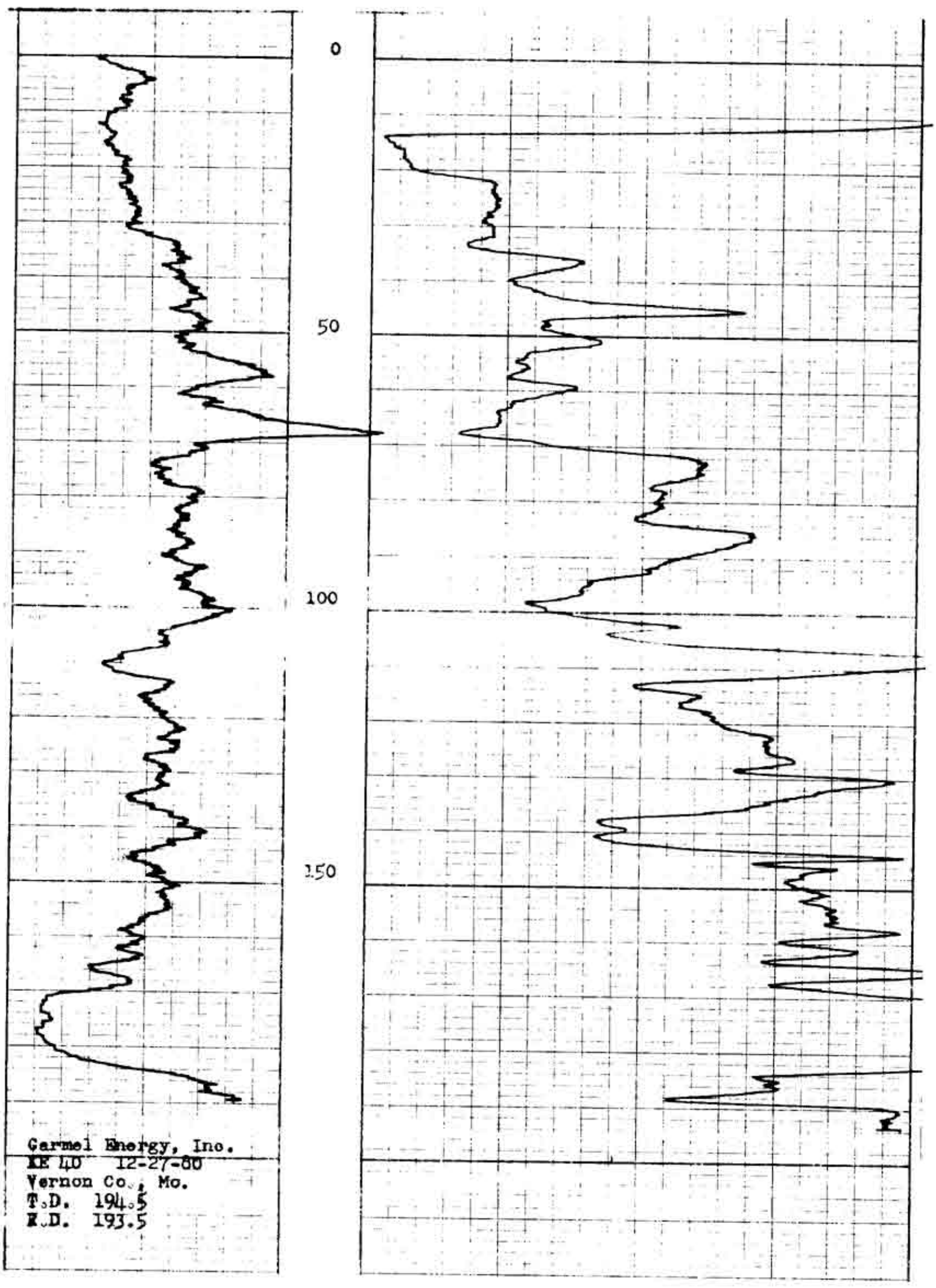
LOGGING DATA

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: Layne Western Company

NSCO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS