G00287

Permit # 20554

ENERGY RESOURCES, INC.

Phone: Kansas City 816/471-
P. O. Box 467
816-254-5260

Laboratory: Kansas Bridge
1500 Iowa
816-842-8866

PRINT NO.

COMPANY CARMEL ENERGY INC.

WELL NO. KP-1

FIELD EMMITON FRONTIDOM LEASE

COUNTY VERNON - MISSOURI

LOCATION: 1320.0 FSL 1318.0 FEL

SEC 27 TWP 35N RGE 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV. 797.0
LOG MEASURED FROM G.L. ELEV. K.B.
DRILLING MEASURED FROM G.L. ELEV. D.F.
FT. ABOVE PERM. DATUM G.L. 797.0

DATE	10-31-80	10-31-80
RUN NO.	1 NW	1 NW
FIRST LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	187.0	187.0
DEPTH-LOGGER	73.1	73.1
BOTTOM LOGGED INTERVAL	67.6	72.1
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM Cl		
DENSITY		
LEVEL	12.0	12.0
MAX. REC. TEMP. DEG. F		
OPERATING RIG TIME		
RECORDED BY	PRATT	PRATT
WITNESSED BY		

BOREHOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
0/N		0	T.D.

NOV 06 1980
MO. OIL & GAS COUNCIL

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

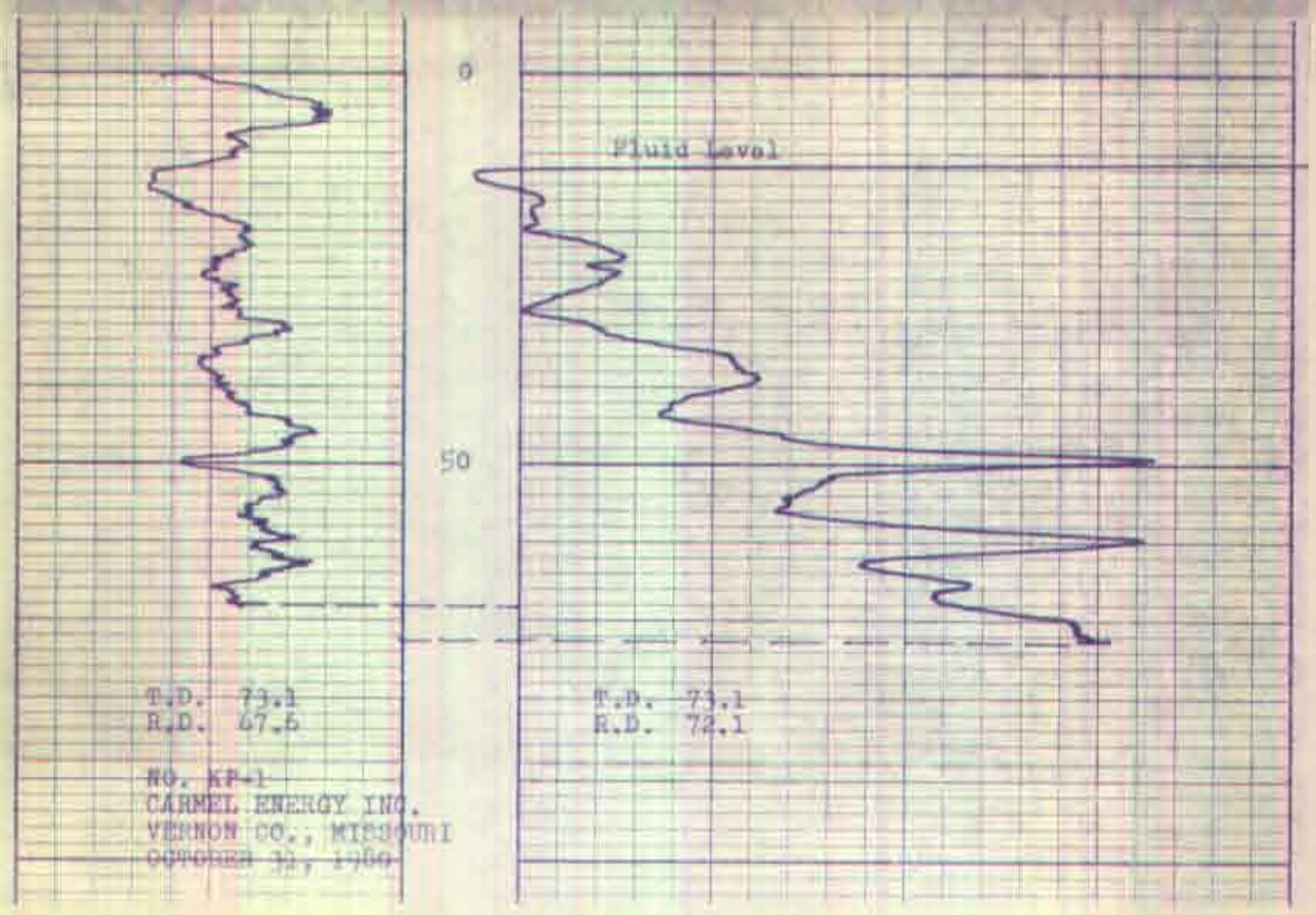
GAMMA RAY			NEUTRON		
RUN NO.	1 NW		RUN NO.	1 NW	
TOOL MODEL NO.	705		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO.	705	
DETECTOR MODEL NO.	705-GE		DIAMETER	1 11/16"	
TYPE	GEIGER		DETECTOR MODEL NO.	705 HE-3	
LENGTH	1 3/8" x 18"		TYPE	HE	
DISTANCE TO N. SOURCE	4.5		LENGTH	1" x 6"	
			SOURCE MODEL 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	0	T.D.	20	4.0	100/075	0	10	4.0	500/100	8 L	20

REFERENCE LITERATURE OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS