600345

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P O Box 467
913-294-5050
Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY CARMEL ENERGY INC.
WELL IF NO. 16
FIELD IDA FAUVERGUE (B)
COUNTY VERNON CO., MISSOURI

LOCATION: 165.0 FNL 1703.0 FEL
OTHER SERVICES:

SEC 3 TWP 32N RGE 33W

PERMANENT DATUM: G.L. ELEV. 764.4
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B. D.F. G.L. 764.4

DATE	9-12-80	9-11-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	182.0	182.0
DEPTH—LOGGER	180.8	180.8
BOTTOM LOGGED INTERVAL	175.3	175.3
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	FULL	FULL
MAX. REC. TEMP., DEG F		
OPERATING RIG TIME		
RECORDED BY	E. PRACT	E. PR[redacted]
WITNESSED BY	V. YOUNG	V. YOUNG

SEP 22 1980
[redacted] & GAS COUNCIL

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO	SIZE
				8/8

CASING RECORD

WGT	FROM	TO
	0	T.D.

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	100/085	2 L	10	4.0	500/100	8 L	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

NSCO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS

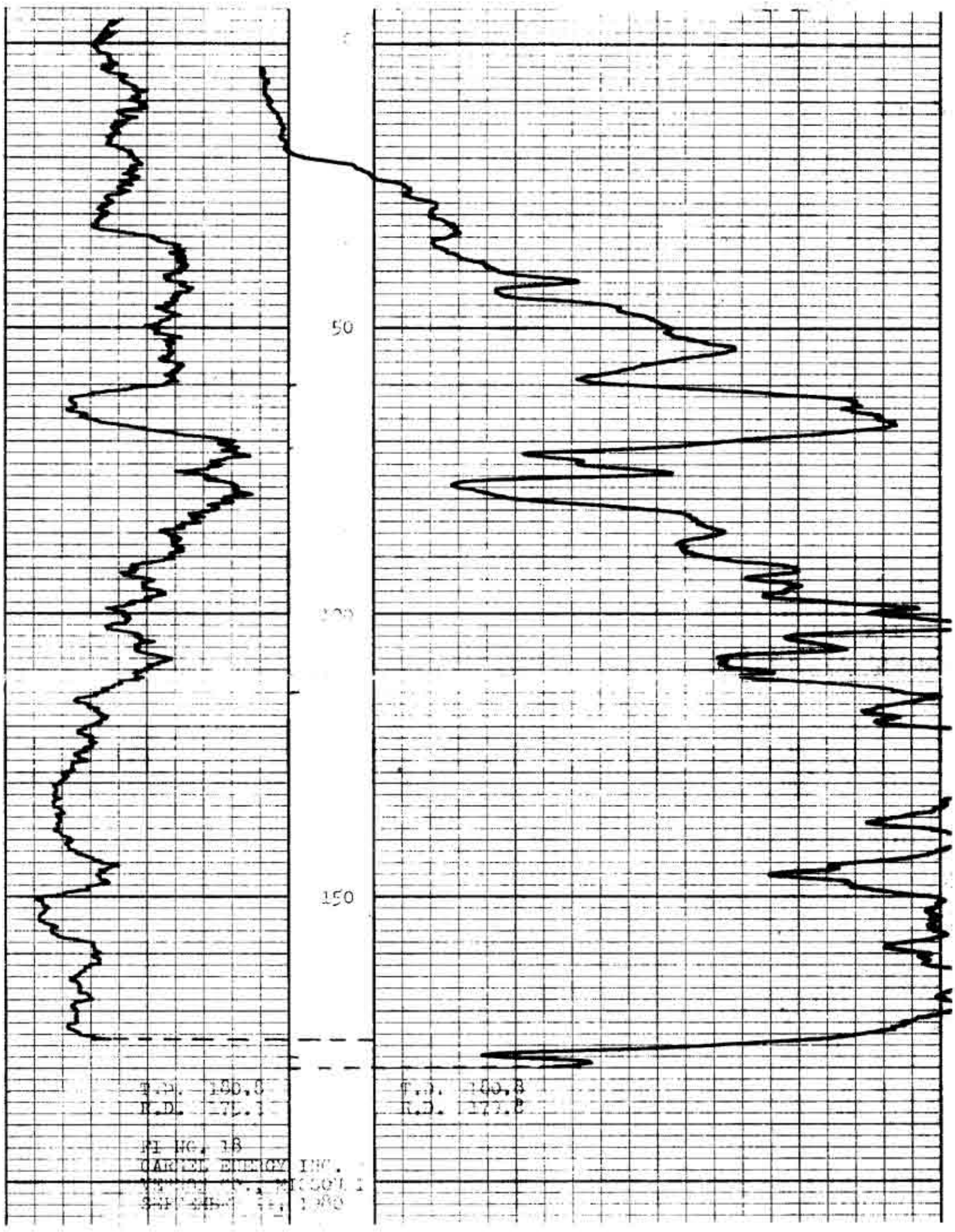

FIG. 18
CARMEL ENERGY INC.
VERNON CO., MISSOURI
SEPTEMBER 11, 1980