G00053

ENERGY RESOURCES, INC.

913 841 9880

FILING NO.

COMPANY CARMEL ENERGY INC.
WELL NO. BY-17
FIELD BILLY YOOS LEASE
COUNTY VERNON - MISSOURI

LOCATION 2624.0 FNL 2000.0 FWL
SEC 22 TWP 34N RGE 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV 791.0
LOG MEASURED FROM G.L. FT ABOVE PERM DATUM
DRILLING MEASURED FROM G.L.

ELEV K.B. D.F. G.L. 791.0

DATE	10-31-80	10-31-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH DRILLER	111.3	111.3
DEPTH LOGGER	95.8	110.3
BOTTOM LOGGED INTERVAL	0.0	4.5
TOP LOGGED INTERVAL	WATER	WATER
TYPE FLUID IN HOLE		
SALINITY PPM CL		
DENSITY		
LEVEL	0.0	0.0
MAX REC TEMP DEG F		
OPERATING RIG TIME		
RECORDED BY		
WITNESSED BY		

BORE-HOLE RECORD

RUN NO	BIT FROM	TO	SIZE	WGT.	FROM	TO
			9 7/8		0	T.D.

CASING RECORD

NOV 0 6 1980

MO OIL & GAS COUNCIL

EQUIPMENT DATA

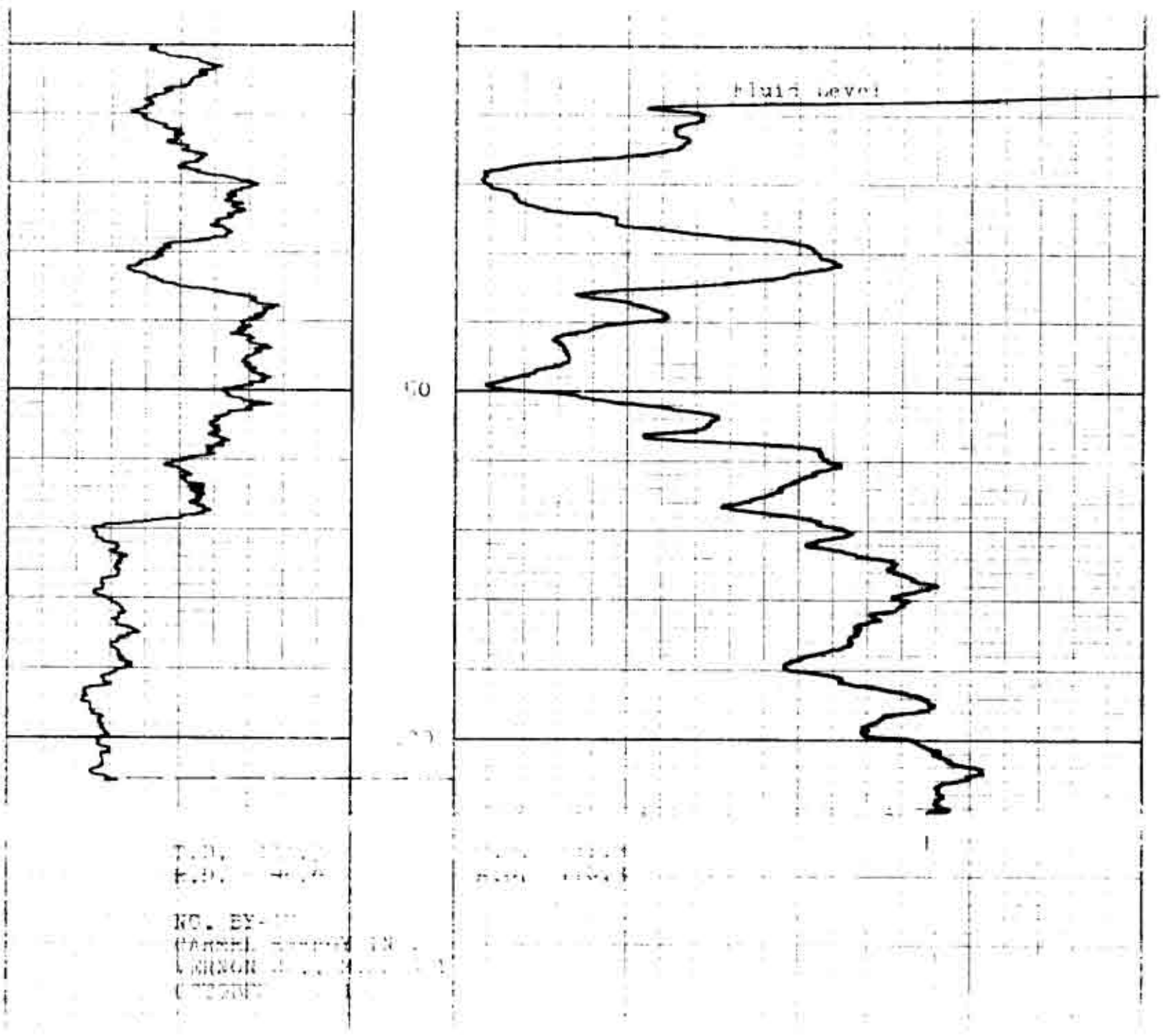
GAMMA RAY			NEUTRON		
RUN NO	1 NW		RUN NO	1 NW	
TOOL MODEL NO	705		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO	705	
DETECTOR MODEL NO	705-GE		DIAMETER	1 11/16"	
TYPE	GEIGER		DETECTOR MODEL NO	705 HE-3	
LENGTH	1 3/8" x 18"		TYPE	HE	
DISTANCE TO N SOURCE	4.5		LENGTH	1" x 6"	
GENERAL			SOURCE MODEL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

LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO	DEPTHS FROM	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: TEST DRILLING

GAMMA RAY DEPTH NEUTRON

CASING COLLARS