G00308

ENERGY RESOURCES, INC.

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

FILING NO.

COMPANY CARMEL ENERGY INC. [redacted]
WELL YO 4
FIELD BILLY YOOS LEASE
COUNTY VERNON - MISSOURI

Core: COMM

LOCATION 1100.0 FWL
450.0 FNL
SEC 30 TWP 34N RGE. 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV 800.0 EST ELEV. K.B. N/A
LOG MEASURED FROM G.L. FT ABOVE PERM. DATUM D.F. N/A
DRILLING MEASURED FROM G.L. G.L. 800.0 EST

DATE	11-7-80	11-7-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	159.2	159.2
BOTTOM LOGGED INTERVAL	153.7	158.2
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL.		
DENSITY		
LEVEL	18.0	18.0
MAX. REC. TEMP., DEG F		
OPERATING RIG TIME		
RECORDED BY	PRATT	PRATT
WITNESSED BY		

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
O/H		0	T.D.

NOV 14 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	

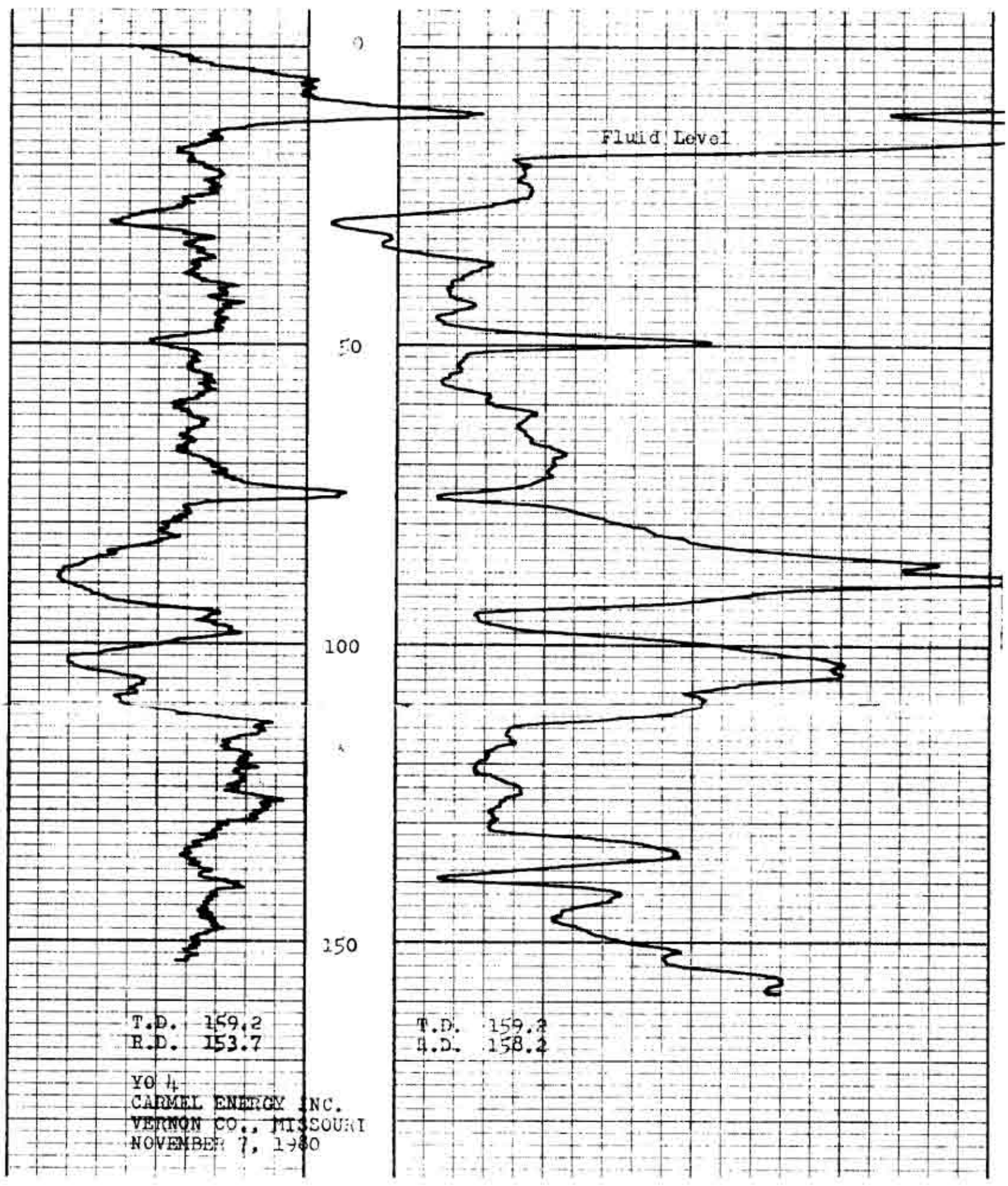
LOGGING DATA

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

REMARKS DRILLING CONTRACTOR: TEST DRILLING COMPANY

NSCO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS