G00454

ENERGY RESOURCES, INC.

COMPANY CARMEL ENERGY INC. [redacted]

WELL C.E.I. NO. 17 [redacted]

FIELD IDA FARVERGUE

COUNTRY VERNON CO., MISSOURI

LOCATION 450 FWL
-1464 FSL

SEC 33 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM	G.L.	ELEV.	823.3
LOG MEASURED FROM	G.L.	FT. ABOVE PERM. DATUM	
DRILLING MEASURED FROM	G.L.	ELEV. K.B.	
		D.F.	
		G.	823.3

DATE	5-8-80	5-8-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH - DRILLER	165.7	165.7
DEPTH - LOGGER	164.0	164.0
BOTTOM LOGGED INTERVAL	159.5	163.0
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WTR/OIL	WTR/OIL
SALINITY, PPM CL		
DENSITY		
LEVEL	FULL	FULL
MAX. REC. TEMP., DEG F		
OPERATING RIG TIME		
RECORDED BY	E. PRATT	E. PRATT
WITNESSED BY	V. YOUNG	V. YOUNG

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				O/H		O	T.D.

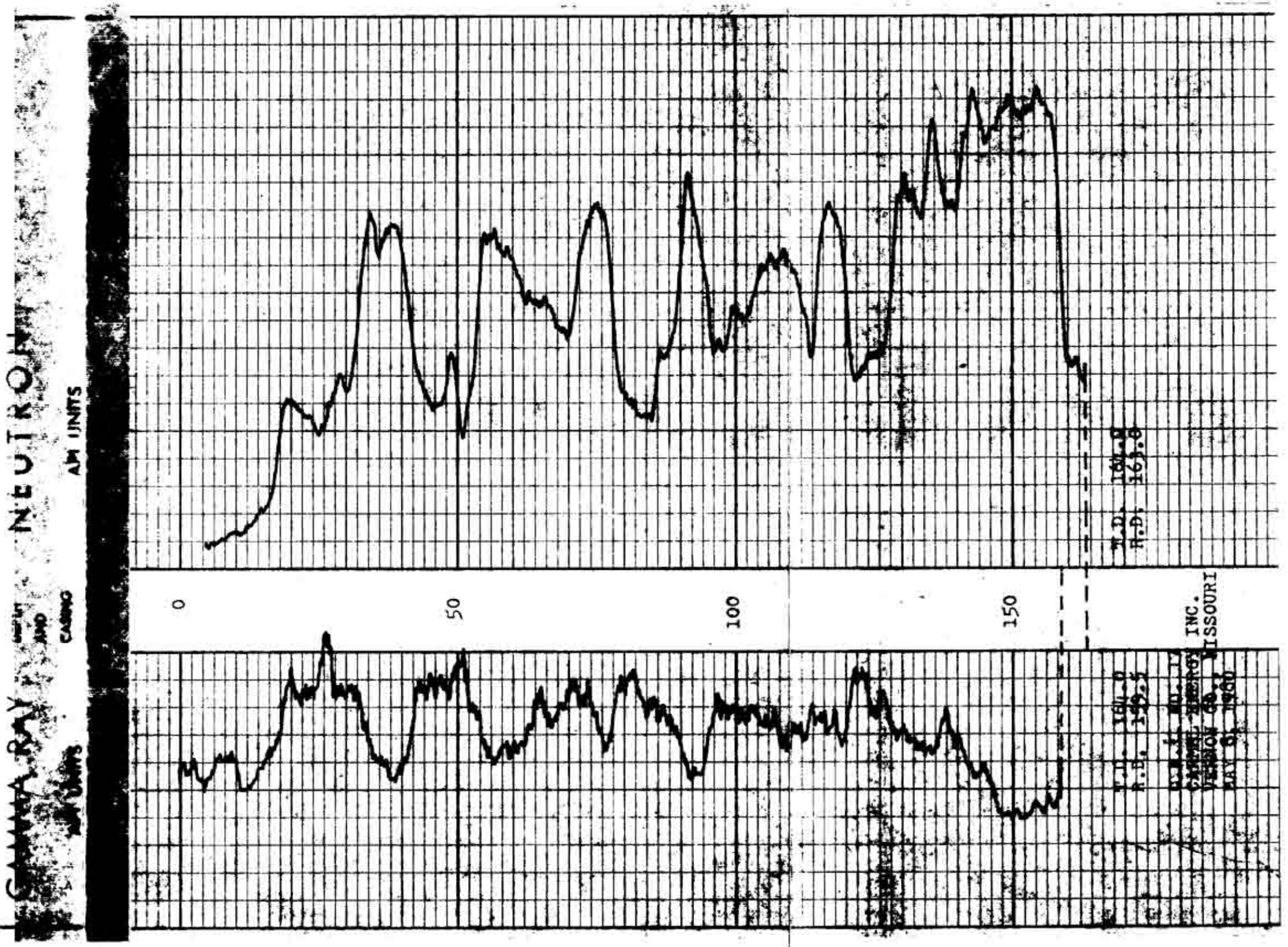
OCT 06 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

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

LOGGING DATA

RUN NO.	DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC.	SENS SETTINGS	GAMMA RAY ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS SETTINGS	NEUTRON ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	T.D.	30	2.0	100/100	3 R	10	2.0	500/095	0	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY