ENERGY RESOURCES, INC.

Paola, Kansas 66071
P.O. Box 467
913-294-6080
Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY CARMEL ENERGY INC.
WELL WJ NO. 1
FIELD W. JOHNSON FARMS
COUNTY VERNON - MISSOURI [redacted]

LOCATION: 1320.0 FSL
1729.0 FEL

SEC 9 TWP 35N RGE 33W

OTHER [redacted]

PERMANENT DATUM G.L. ELEV 802.2
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B.
D.F.
G.L. 802.2

DATE	10-3-80	10-3-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	174.3	174.3
DEPTH-LOGGER	174.9	174.9
BOTTOM LOGGED INTERVAL	169.4	173.9
TOP LOGGED INTERVAL	4.0	8.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	13.0	13.0
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.

OCT 0 8 1980
MO. OIL & GAS COUNCIL

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
HOIST TRUCK NO.	0020		SPACING	13"
INSTRUMENT TRUCK NO.	0020		TYPE	AMBE-241
TOOL SERIAL NO.	0002		STRENGTH	3 CI

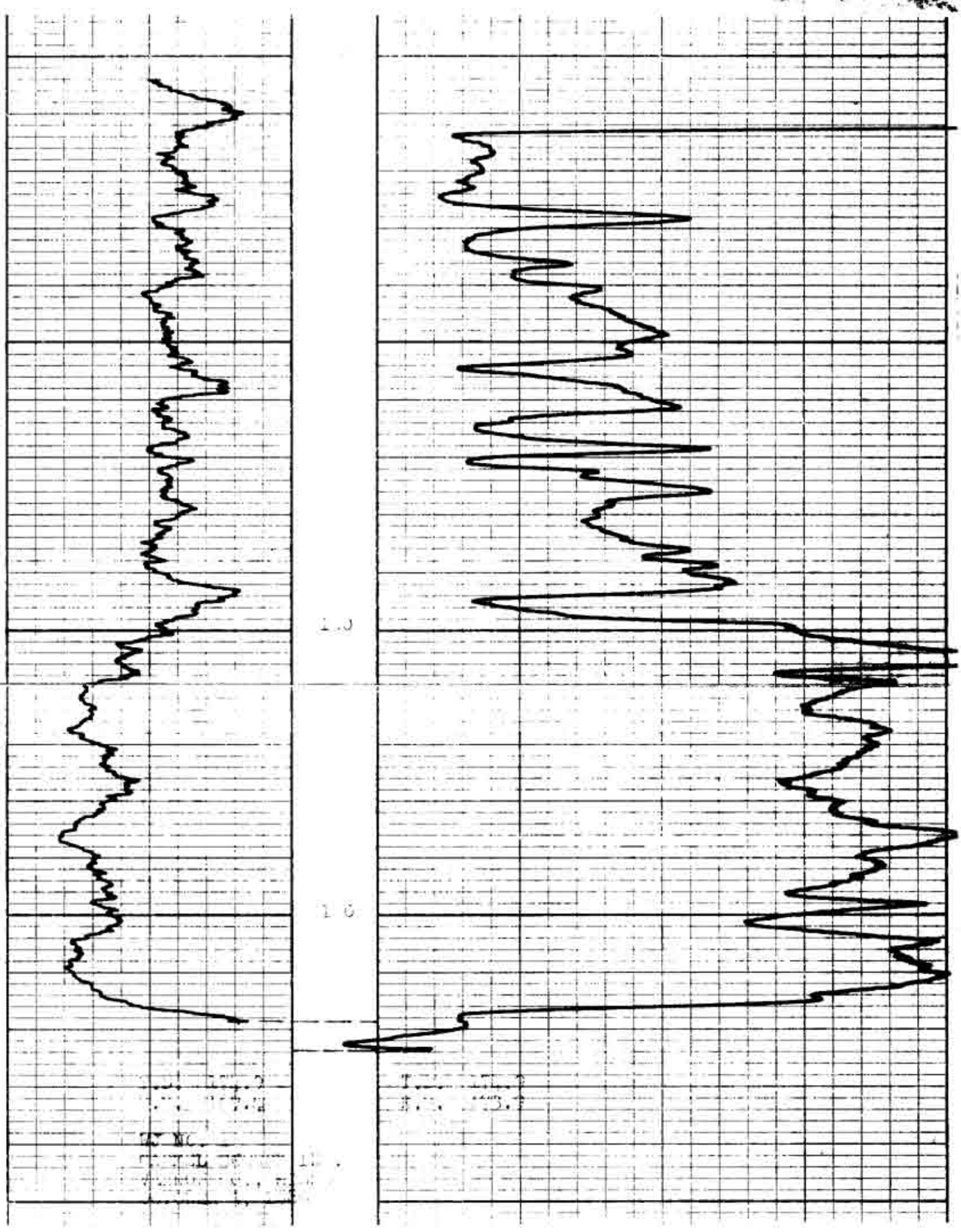
LOGGING DATA

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.	[illegible]	9	[illegible]

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

NSCO 14240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS