G00439

ENERGY RESOURCES, INC.

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

FILING NO.

COMPANY CARMEL ENERGY INC.
WELL MI - 36 [redacted]
FIELD WAYNE MITCHELL LEASE
COUNTY VERNON - MISSOURI

LOCATION: 1714.0 FSL
1150.0 FWL
SEC. 26 TWP. 35N RGE. 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 815.2
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B.
D.F.
G.L. 815.2

DATE	10-28-80	10-28-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH-DRILLER	198.5	198.5
DEPTH-LOGGER	198.5	198.5
BOTTOM LOGGED INTERVAL	193.0	197.5
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	PRATT	PRATT
WITNESSED BY		

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
C/L		0	T.D.

OCT 31 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	

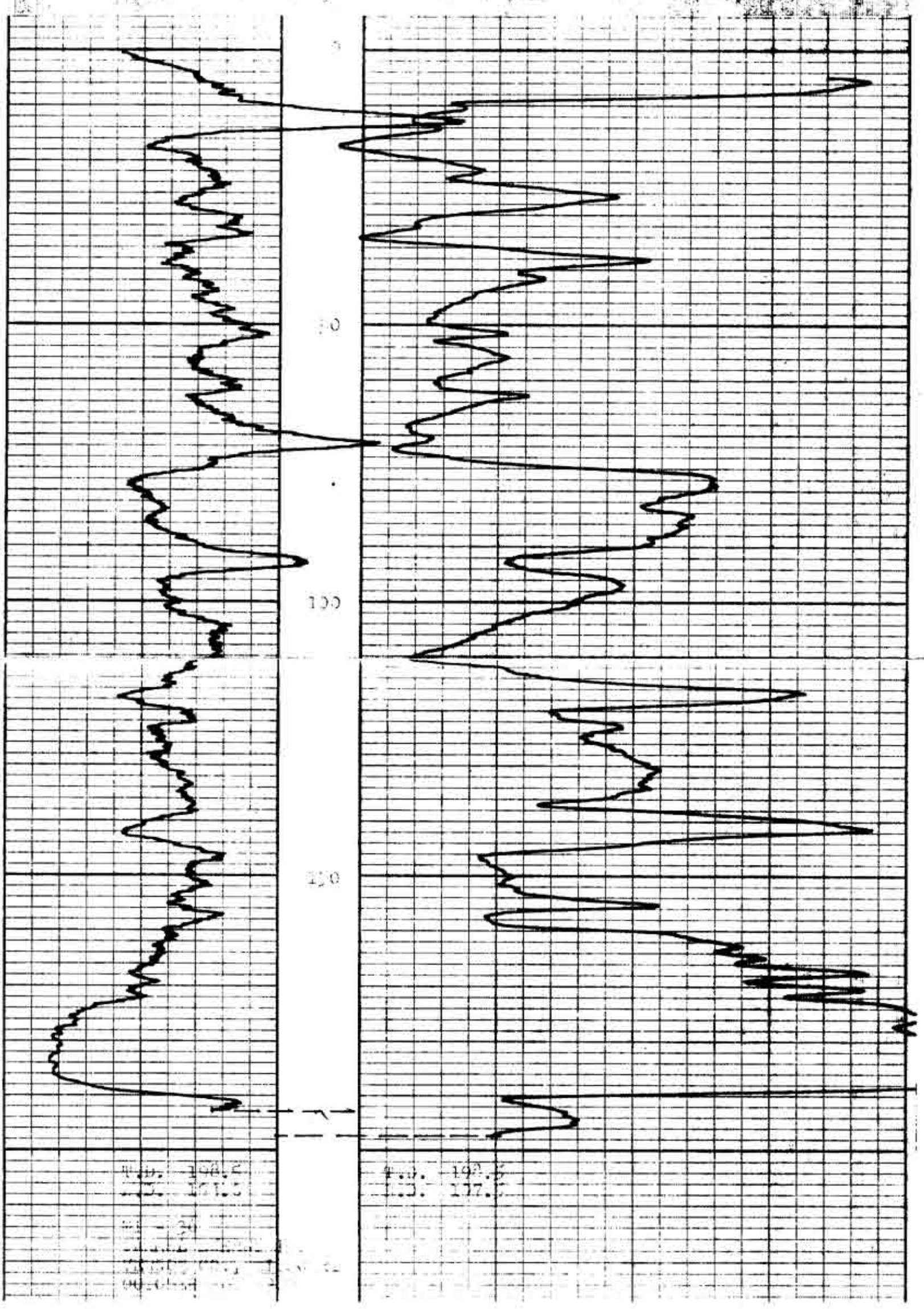
LOGGING DATA

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 - NOT CEMENTD

REMARKS DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

NSCO-16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS