G00324

ENERGY RESOURCES, INC.

Pecle, Kansas 66071
P. O. Box 487
913-294-5060
Lawrence, Kansas 66044
1203 Iowa
913-841-8895

FILING NO.

COMPANY CARMEL ENERGY INC. [redacted]

WELL NO. 9 [redacted]

FIELD E. W. WOLFE LEASE

COUNTY VERNON - MISSOURI

LOCATION: 1563.0 FEL
365.0 FSL

SEC 6 TWP 35N RGE 33W

OTHER SERVICES: CCL

PERMANENT DATUM: G.L. ELEV. 727.2
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B.
D.F.
G.L. 727.2

DATE	10-17-80	10-17-80	
RUN NO.	1 DN	1 DN	
TYPE LOG	GAMMA RAY	NEUTRON	
DEPTH—DRILLER	118.0	118.0	
DEPTH—LOGGER	117.6	117.6	
BOTTOM LOGGED INTERVAL	112.1	112.5	
TOP LOGGED INTERVAL	0.0	0.0	
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			

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				8 5/8"		0	8.D.

OCT 22 1980
MO. OIL & GAS COUNCIL

THIS HEADING AND LOG CONFORMS TO API RP 33

FOLD HERE

EQUIPMENT DATA

GAMMA RAY		NEUTRON	
RUN NO.	1 DN	RUN NO.	1 DN
TOOL MODEL NO.	705	LOG TYPE	NEU/ABT
DIAMETER	1 11/16"	TOOL MODEL NO	705
DETECTOR MODEL NO	705-HP-2	DIAMETER	1 11/16"
TYPE	HP	DETECTOR MODEL NO	705 HP-2
LENGTH	2 1/2" x 1"	TYPE	HP
DISTANCE TO N SOURCE	4.0	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
		SERIAL NO	71-1-335 G
		SPACING	13"
		TYPE	AMBE-241
		STRENGTH	3 CI

GENERAL: HOIST TRUCK NO. 0020; INSTRUMENT TRUCK NO. 0020; TOOL SERIAL NO 2002

LOGGING DATA

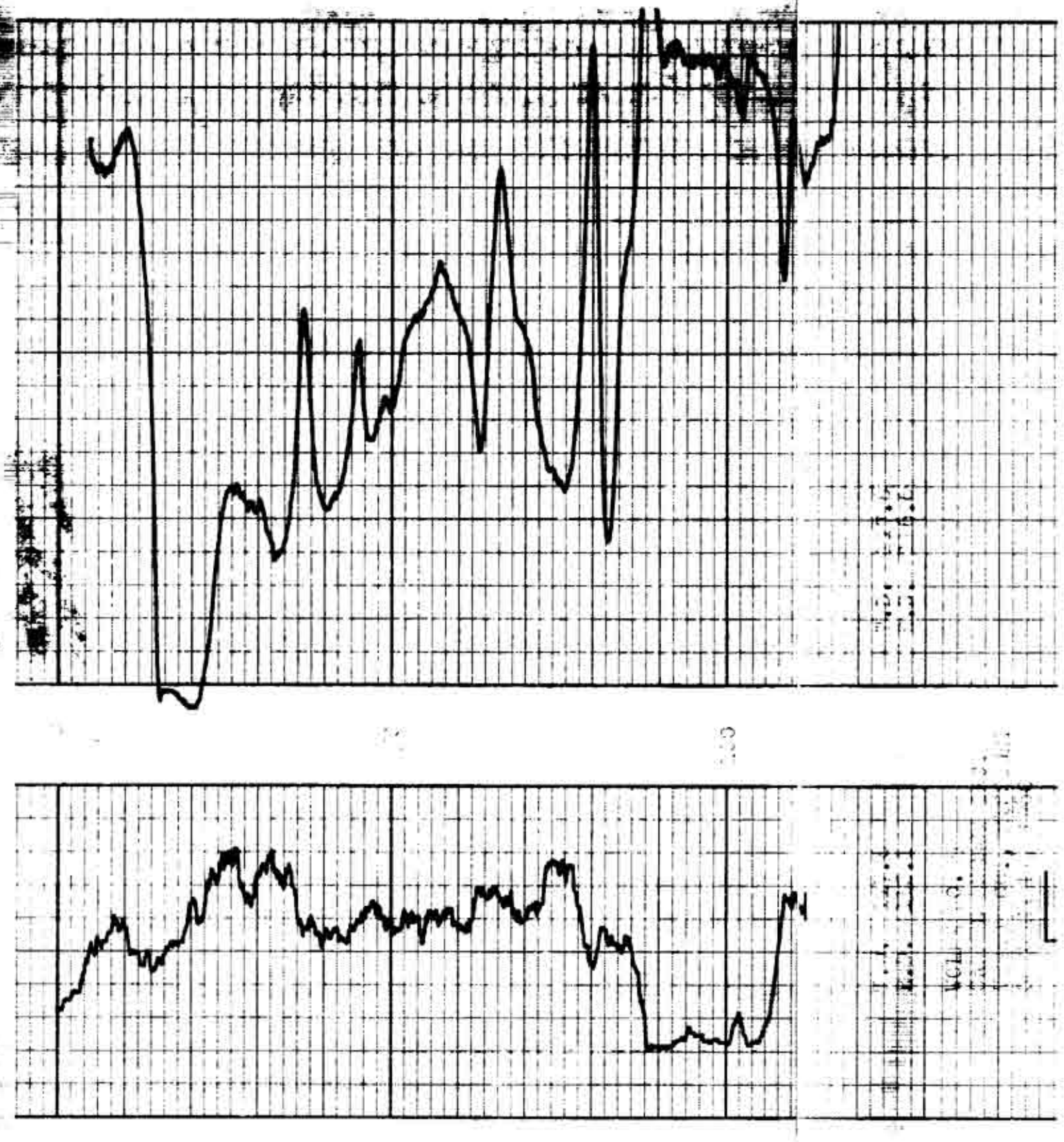
GENERAL RUN NO	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN	T.C. SEC	SENS. SETTINGS	GAMMA RAY ZERO DIV. L OR R	API G.R. UNITS PER LOG DIV.	NEUTRON T.C. SEC.	SENS. SETTINGS	NEUTRON ZERO DIV. L OR R	API N. UNITS PER LOG DIV.
1	0	[illegible]	20	L.0	100/075	0	10	L.0	500/100	5 L	20

REFERENCE LITERATURE: CRC [illegible] HOT CONTRACTED

REMARKS: DETECTOR [illegible] CCL [illegible] COMPANY

NECO 1980

GAMMA RAY NEUTRON

DEPTH

CASING COLLARS