600251

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P O Box 467
913 294 5040
Lawrence, Kansas 66044
1203 Iowa
913 841 8886

FILING NO

COMPANY CARMEL ENERGY INC.
WELL RY 1
FIELD RALPH YEAS LEASE
COUNTY VERNON - MISSOURI

LOCATION: 210.0 FWL 850.0 FSL
SEC 30 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM G.L. ELEV 804.7
LOG MEASURED FROM G.L. FT ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV K.B. N/A
D.F. N/A
G.L. 804.7

DATE	11-7-80	11-7-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH--DRILLER	118.8	118.8
DEPTH--LOGGER	117.6	117.6
BOTTOM LOGGED INTERVAL	112.1	116.6
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	PRATT	PRATT
RECORDED BY		
WITNESSED BY		

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
8 5/8		0	T.D.

NOV 14 1980
MO OIL & G. COUNCIL

ACCEPTANCE AND USE OF THESE FORMS TO API RP 33

EQUIPMENT DATA

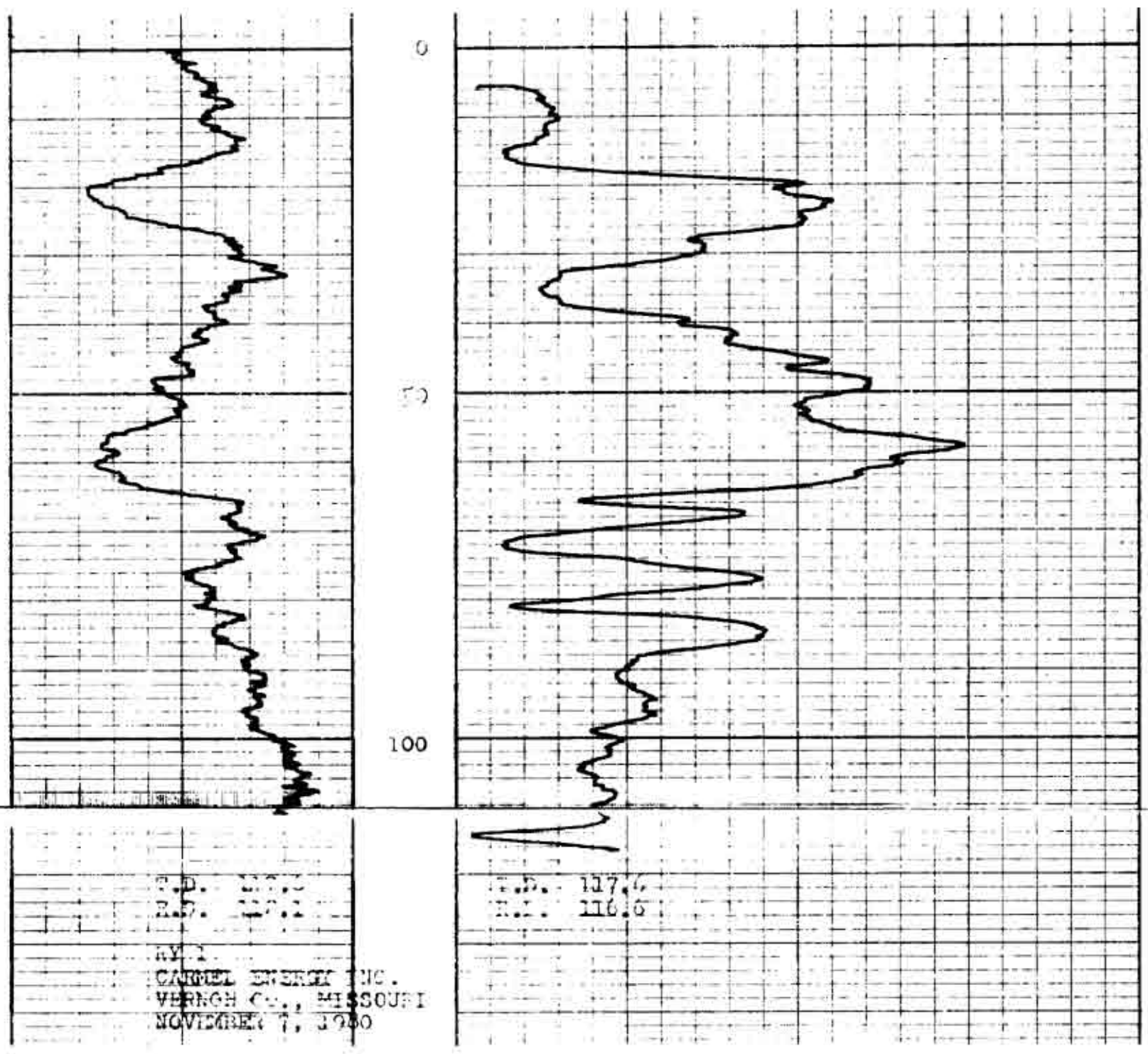
GAMMA RAY		NEUTRON	
RUN NO	1 NW	RUN NO.	1 NW
TOOL MODEL NO	705	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO	705
DETECTOR MODEL NO	705-GE	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO.	705 HE-3
LENGTH	1 3/8" x 18"	TYPE	HE
DISTANCE TO N SOURCE	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
GENERAL		SERIAL 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

GAMMA RAY DEPTH NEUTRON

CASING COLLARS