600503

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913-294-6060

Lawrence, Kansas 66044
913-841-4678

DEC 10 1980

RELEASED

NO. OIL & GAS COUNCIL

CONFIDENTIAL

FILING NO

COMPANY CARMEL ENERGY INC.

WELL WH - 63

FIELD CHARLES WHITEFORD LEASE

COUNTY VERNON - MISSOURI

LOCATION: 2067.0 FNL 1153.0 FWL

OTHER SERVICES:

SEC 28 TWP 35N RGE 33W

PERMANENT DATUM G.L. ELEV. 822.2

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. 822.2

DATE	12-2-80	12-2-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	189.6	189.6
BOTTOM LOGGED INTERVAL	184.1	188.6
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	13.5	13.5
MAX. REC. TEMP., DEG F		
OPERATING RIG TIME		
RECORDED BY	MORGAN	MORGAN
WITNESSED BY		

RUN NO	BIT	BORE HOLE RECORD FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
				OPEN HOLE		0	189.6

FOLD HERE

THIS MEANS NO ANSWER 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/ACT
DIAMETER	1 11/16"	TOOL MODEL NO	705
DETECTOR MODEL NO	705-GR	DIAMETER	1 11/16"
TYPE	CPI GR	DETECTOR MODEL NO	705 HR
LENGTH	1 3/8" x 18"	TYPE	HR
DISTANCE TO N SOURCE	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
		SERIAL NO	71-1-33
		SPACING	13"
		TYPE	AMBE-241
		STRENGTH	3 CI

GENERAL

HOIST TRUCK NO	0020
INSTRUMENT TRUCK NO	0020
TOOL SERIAL NO	0002

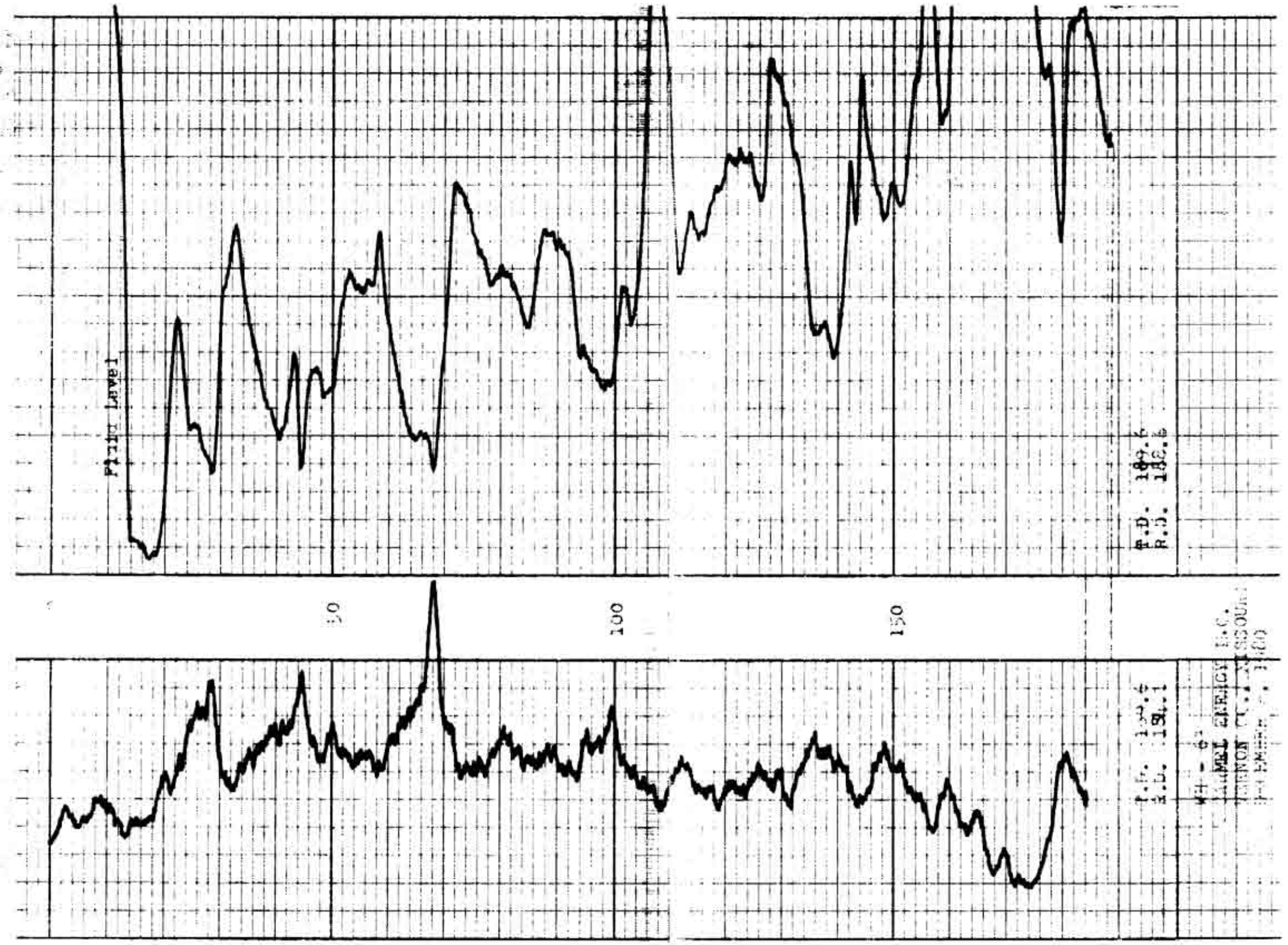
LOGGING DATA

GENERAL 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.	20	4.0	100/075	0 R	10	4.0	500/200	5 L	20

REFERENCE LITHATURE OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: LAYNE-WESTERN DRILLING COMPANY

NSCO 15240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS