G00348

Comm. Mint # 20603

ENERGY RESOURCES INC.

Dual Induction Focused Log
Gamma Ray Neutron
Borehole Compensated Sonic
Long Spacing Sonic Waveform
Borehole Televiewer

FILE NO.

COMPANY CARMEL ENERGY INC.

WELL IP NO. 24

FIELD IDA PATTERSON (B)

COUNTY VERNON - MISSOURI

LOCATION: 1345.0 FNL 965.0 FWL

SEC. 33 TWP. 36N RGE. 33W

OTHER SERVICES

PERMANENT DATUM G.L. ELEV. 768.1

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV.: K.B. D.F. G.L. 768.1

DATE	9-27-80	9-27-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	130.0	130.0
DEPTH—LOGGER	126.0	126.0
BOTTOM LOGGED INTERVAL	120.5	125.0
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
C/H		0	7 ft

OCT 0 9 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	[illegible]
DIAMETER	1 11/16"	TOOL MODEL NO.	705
DETECTOR MODEL NO.	705-GE	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO.	705 HE
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.	71-1-33
HOIST TRUCK NO.	0020	SPACING	13"
INSTRUMENT TRUCK NO.	0020	TYPE	Amba-241
TOOL SERIAL NO.	0002	STRENGTH	3 Ci

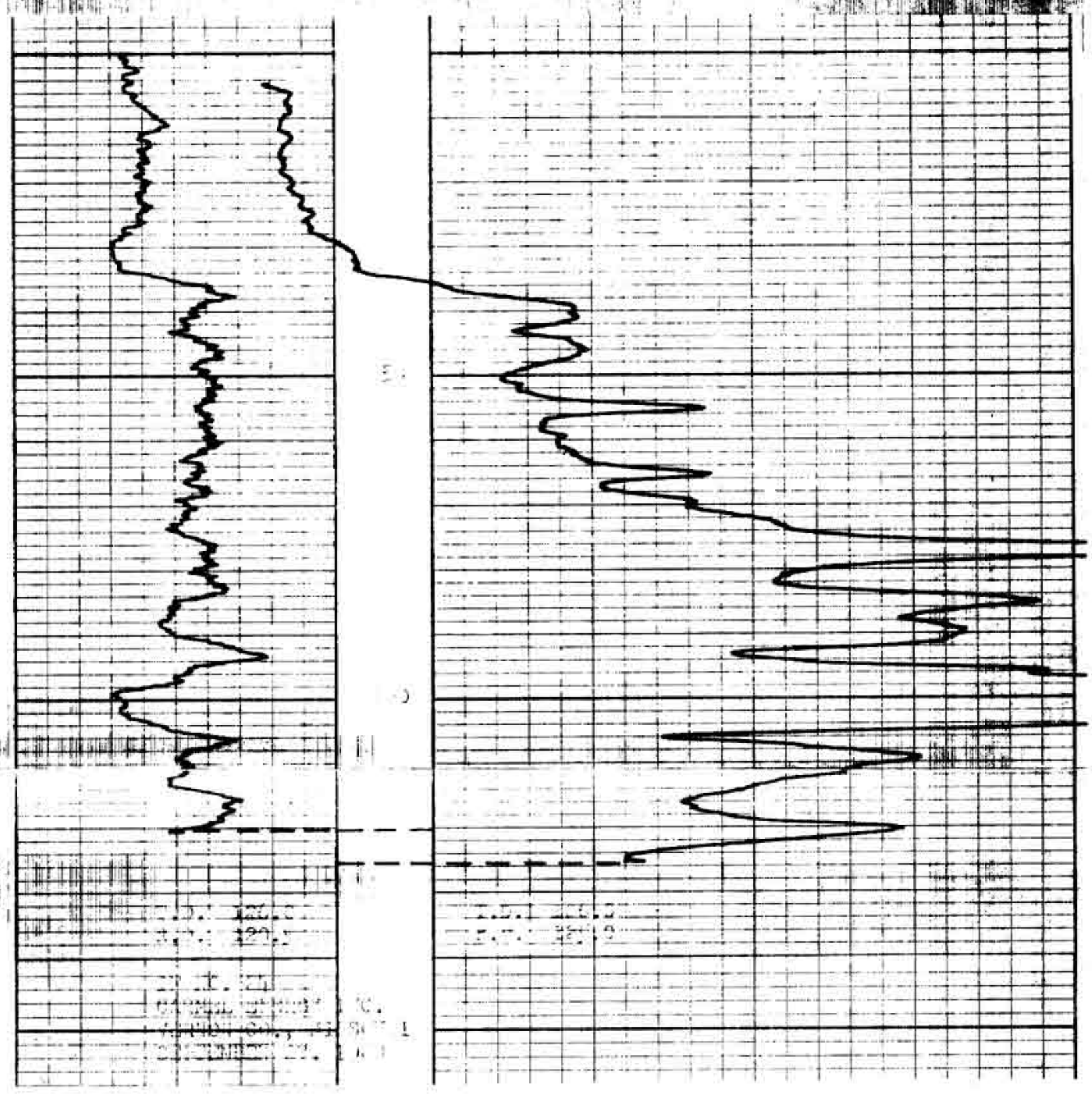
LOGGING DATA

GENERAL				GAMMA RAY				NEUTRON			
RUN NO.	LOGGING INTERVALS FROM	TO	SPEED FT/MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR 8	API G.R. UNITS PER MAJ DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR 8	[illegible]
1	0	T.D.	20	4.0	100/075	0	10	4.0	500/100	8	[illegible]

REFERENCE LITERATURE OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

NSCO FORM

GAMMA RAY DEPTH NEUTRON

CASING COLLARS