G00370

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P O Box 467
913-294-5060
Lawrence Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY CARMEL ENERGY INC.
WELL FI NO. 4
FIELD IDA FAUVERGUE (HENRY LEASE)
COUNTY VERNON CO., MISSOURI

LOCATION: 765.0 FWL 2440.0 FSL
SEC 3 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM G.L. ELEV. 781.2
LOG MEASURED FROM G.L. FT ABOVE PERM DATUM
DRILLING MEASURED FROM G.L.

ELEV K.B.
D.F.
G.L. 781.2

DATE	9-11-80	9-11-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER	150.0	150.0
DEPTH—LOGGER	148.8	148.8
BOTTOM LOGGED INTERVAL	143.3	147.8
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	E. PRATT	E. PRATT
WITNESSED BY	V. YOUNG	V. YOUNG

[redacted]

SEP 22 1980

[redacted] INCIL

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT	FROM	TO
8/8		0	[illegible]

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

GAMMA RAY		
RUN NO.	1 NW	
TOOL MODEL NO.	705	
DIAMETER	1 11/16"	
DETECTOR MODEL NO.	705-GE	
TYPE	GEIGER	
LENGTH	1 3/8" x 18"	
DISTANCE TO N. SOURCE	4.5	
GENERAL		
HOIST TRUCK NO.	0020	
INSTRUMENT TRUCK NO.	0020	
TOOL SERIAL NO.	0002	

NEUTRON		
RUN NO.	1 NW	
LOG TYPE	NEU/NEU	
TOOL MODEL NO.	705	
DIAMETER	1 11/16"	
DETECTOR MODEL NO.	705 HE-3	
TYPE	HE	
LENGTH	1" x 6"	
SOURCE MODEL NO.	71-1	
SERIAL NO.	71-1-335	G
SPACING	13"	
TYPE	AMBE-241	
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	100/085	2 L	10	4.0	500/100	8 L	20

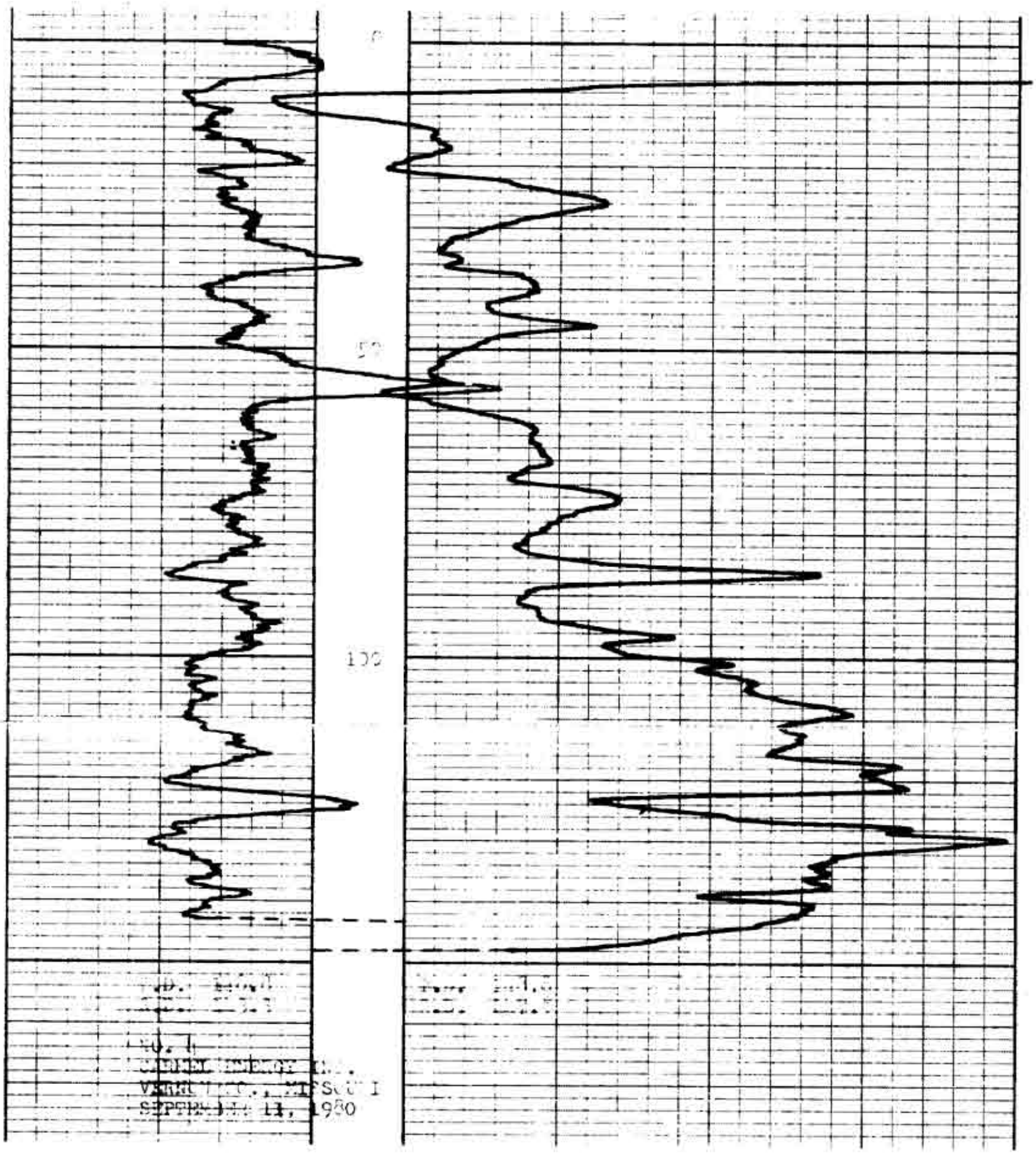
REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

NSCO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS



NO. 1
CARMEL ENERGY INC.
VERNON CO., MISSOURI
SEPTEMBER 11, 1980