ENERGY RESOURCES, INC.

Pecks, Kansas 66071
P. O. Box 487
913-294-5060

Lawrence, Kansas 66044
1203 Kova
913-841-6866

FILING NO. _____

COMPANY CARMEL ENERGY INC. [redacted]

WELL NO. 1-7 [redacted]

FIELD IDA [redacted]BERGUE

COUNTY VERNON - MISSOURI

LOCATION: 276.70 FWL 165.00 FSL

SEC 23 TWP 35N RGE 33W

OTHER SERVICES

PERMANENT DATUM: G.L. ELEV. 811.2 FT ABOVE PERM. DATUM

LOG MEASURED FROM G.L.

DRILLING MEASURED FROM G.L.

ELEV.: K.B. _____ D.F. _____ G.L. 811.2

DATE	8-21-80	8-21-80
RUN NO	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	180.6	180.6
BOTTOM LOGGED INTERVAL	175.1	179.6
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WTR/OIL	WTR/OIL
SALINITY, PPM CL		
DENSITY		
LEVEL	6.0	6.0
MAX. REC. TEMP. DEG. F.		
OPERATING RIG TIME		
RECORDED BY	E. PRATT	E. PRATT
WITNESSED BY	V. YOUNG	V. YOUNG

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
8 5/8		0'	T.D.

OCT 0 8 1980

CONSERVATION DIV. COMMISSION

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

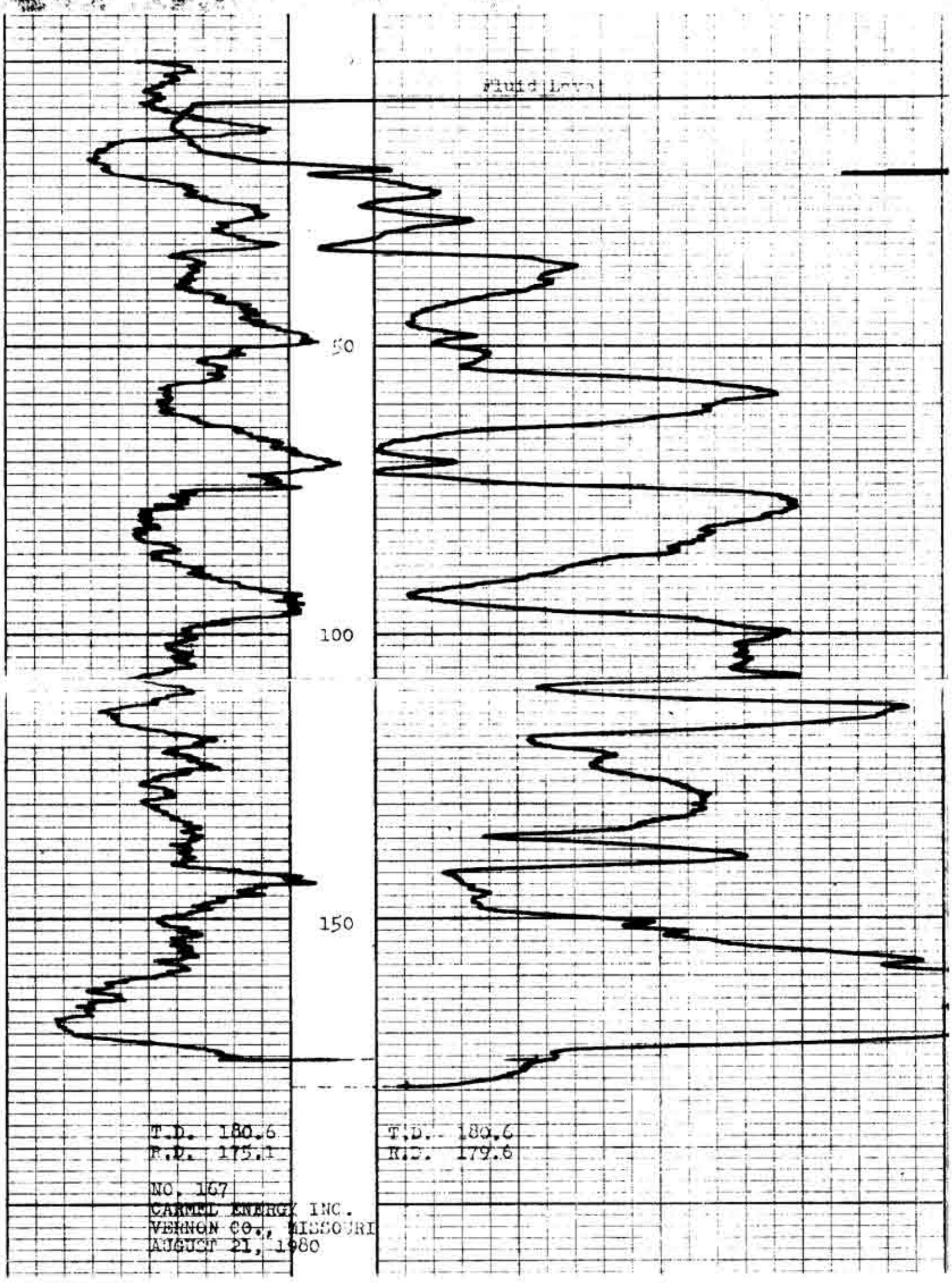
GAMMA RAY			NEUTRON		
RUN NO.			RUN NO.	1 NW	
[redacted]			[redacted]	[redacted]	
[redacted]			TOOL MODEL NO.	705	
DETECTOR MODEL NO.	[redacted]		[redacted]	[redacted]	
TYPE	[redacted]		DETECTOR MODEL NO.	705 [redacted]	
LENGTH	1 3/4" x 18"		TYPE	HE	
[redacted]	1.5		LENGTH	1" x 6"	
[redacted]			SOURCE MODEL NO.	72-1	
[redacted]			SERIAL NO.	71-1-339 [redacted]	
MOTOR TRUCK NO.	0020		SPACING	13"	
INSTRUMENT TRUCK NO.	0020		TYPE	AMBE-Pu	
TOOL SERIAL NO.	0002		STRENGTH	1 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	12 L	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS