G00442

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P.O. Box 467
913-294-5060

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY: CARTEL ENERGY INC.

WELL: MI - 26 [redacted]

FIELD: WAYNE MITCHELL LEASE [redacted]

COUNTY: VERNON - MISSOURI

LOCATION: 165.0 FSL, 1468.0 FWL

SEC. 21 TWP. 35N RGE. 33W

OTHER SERVICES:

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

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

DATE	10-28-80	10-28-80
RUN NO.	1 NW	1 NW
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	192.7	192.7
BOTTOM LOGGED INTERVAL	191.2	191.7
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	PRATT	PRATT
WITNESSED BY		

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT.	FROM	TO
				8 5/8		0	[illegible]

OCT 31 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NW	1 NW
LOG TYPE		HRI/ARDT
TOOL MODEL NO.	205	20F
DIAMETER	1 11/16"	1 11/16"
DETECTOR MODEL NO.	205-GR	205-[illegible]
TYPE	GM TUBE	[illegible]
LENGTH	1 3/4" x 18"	HR 1" x 6"
DISTANCE TO HI. SOURCE	1.5	[illegible]-1
SOURCE MODEL NO.		[illegible]-1-33
SERIAL NO.		[illegible]
SPACING	3020	1 3/4"
TYPE	3020	ARDT-217
STRENGTH	3002	3 Ci

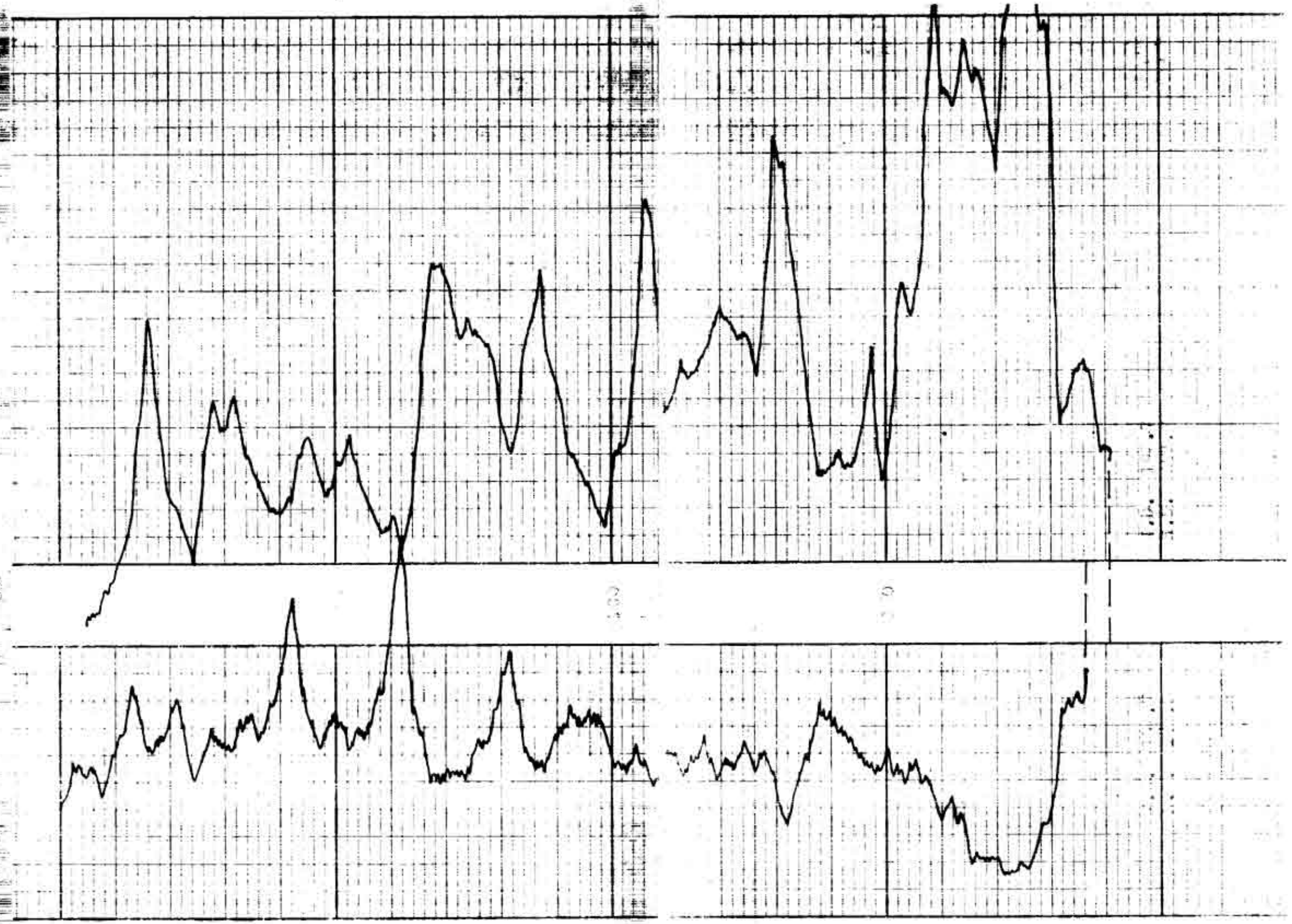
LOGGING DATA

GENERAL			GAMMA RAY				NEUTRON			
RUN NO.	DEPTHS FROM	TO	SPEED FT/MIN	T.C. SEC.	SENS. SETTINGS	ZERO DIV. LOB	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. LOB	API N. UNITS PER LOG DIV.
1	0	[illegible]	20	4.0	100/075	0	10	4.0	500/100	0	[illegible]

REFERENCE LITERATURE: OPEN HOLE - NOT CALIBRATED

REMARKS: DRILLING CONTRACTOR: WAYNE-WESTERN COMPANY

GAMMA RAY NEUTRON

DEPTH

CASING COLLARS