G00373

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913-294-5060
Lawrence, Kansas 66044
1203 Iowa
913-841-8988

FILING NO.

COMPANY CARDEL ENERGY INC.

WELL IF NO. 30

FIELD IDA FAUVERGUE (B)

COUNTY VERNON - MISSOURI [redacted]

LOCATION: 1345.0 FSL 2155.0 FEL

SEC 34 TWP 34N RGE 33 W

OTHER SERVICES [redacted]

PERMANENT DATUM G.L. ELEV. 766.0
LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM G.L.

ELEV.: K.B.
D.F.
G.L. 766.0

DATE	10-3-80
RUN NO.	1 NW
TYPE LOG	GAMMA RAY
DEPTH—DRILLER	122.0
DEPTH—LOGGER	121.2
BOTTOM LOGGED INTERVAL	119.7
TOP LOGGED INTERVAL	4.0
TYPE FLUID IN HOLE	WATER
SALINITY, PPM CL.	
DENSITY	
LEVEL	FULL
MAX. REC. TEMP., DEG F.	
OPERATING RIG TIME	
RECORDED BY	FRANK
WITNESSED BY	

DATE	10-3-80
RUN NO.	1 NW
TYPE LOG	NEUTRON
DEPTH—DRILLER	122.0
DEPTH—LOGGER	121.6
BOTTOM LOGGED INTERVAL	120.3
TOP LOGGED INTERVAL	8.5
TYPE FLUID IN HOLE	WATER
SALINITY, PPM CL.	
DENSITY	
LEVEL	FULL
MAX. REC. TEMP., DEG F.	
OPERATING RIG TIME	
RECORDED BY	FRANK
WITNESSED BY	

BORE-HOLE RECORD

RUN NO.	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
9/H		0	[illegible]

OCT 08 1980
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

GAMMA RAY			NEUTRON		
RUN NO.	1 NW		RUN NO.	1 NW	
TOOL MODEL NO.	705		LOG TYPE	NEU/NEU	
DIAMETER	1 11/16"		TOOL MODEL NO.	705	
DETECTOR MODEL NO.	705-GE		DIAMETER	1 11/16"	
TYPE	GEIGER		DETECTOR MODEL NO.	705 HE-3	
LENGTH	1 3/8" x	13"	TYPE	HE	
DISTANCE TO N. SOURCE	1.5		LENGTH	1" x 6"	
			SOURCE MODEL NO.	71-1	
GENERAL			SERIAL NO.	71-1-335	G
HOIST TRUCK NO.	0020		SPACING	13"	
INSTRUMENT TRUCK NO.	0020		TYPE	AMBE-241	
TOOL SERIAL NO.	0002		STRENGTH	3 CI	

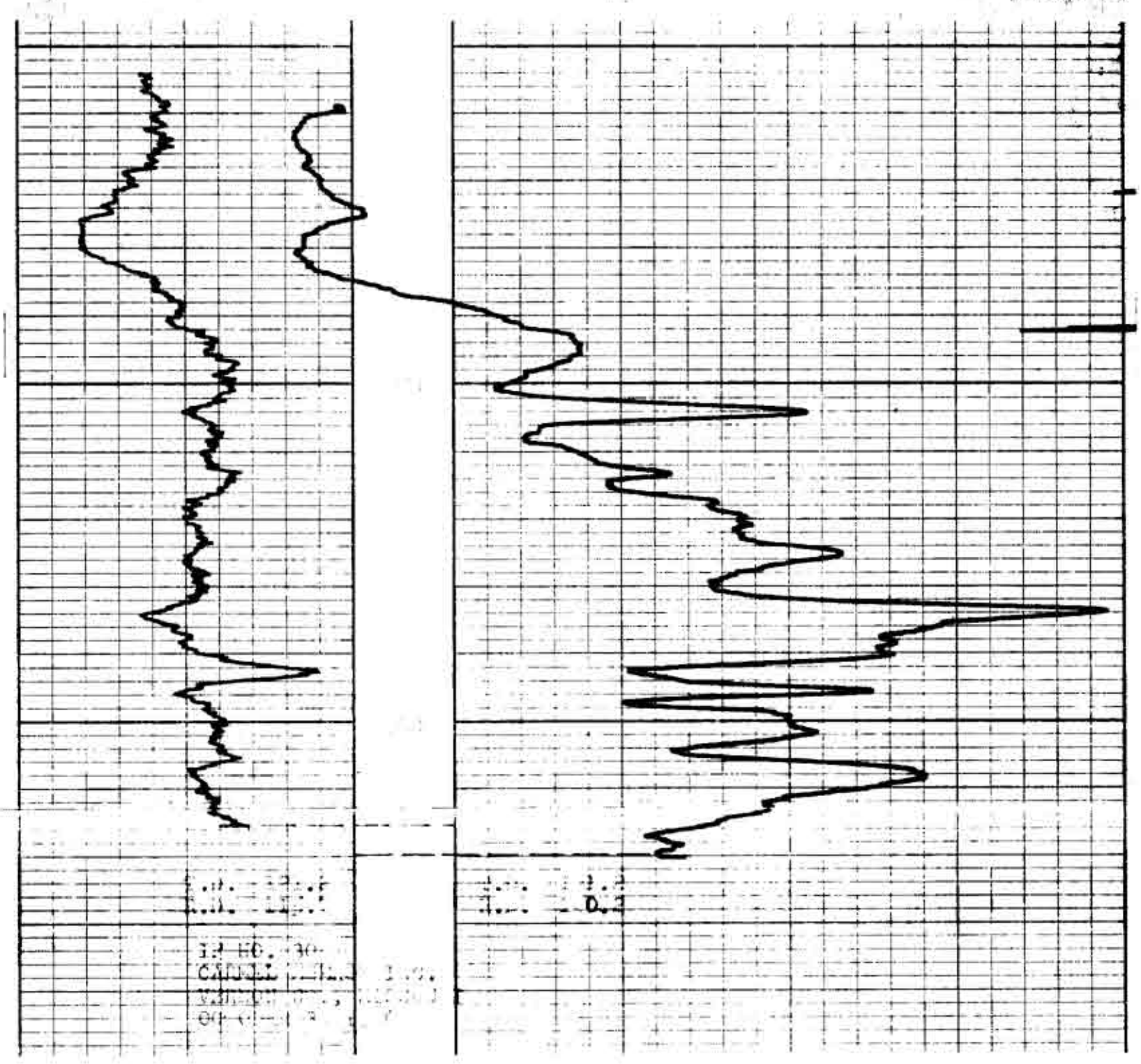
LOGGING DATA

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	1.0	100/275	0	10	4.0	500/100	9 L	20

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTO: LAYNE-WESTERN COMPANY

NSLO 16240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS