600257

ENERGY RESOURCES, INC.

913 294 5050
Lawrence, Kansas 66044
1203 Iowa
913 841 8886

RELEASED

FILING NO

COMPANY Carmel Energy, Inc.
WELL WB-5
FIELD Wesley Batchelor Lease Cave Coal?
COUNTY Vernon County, Missouri

LOCATION: 2350' FNL & 1500' FWL

SEC 17 TWP 34N RGE 33W

OTHER SERVICES

PERMANENT DATUM GL ELEV. 785.4
LOG MEASURED FROM GL FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM GL

ELEV.: K.B. NA
D.F. NA
G.L. 785.4

DATE	12/29/80	12/29/80
RUN NO	1 NW	1 NW
TYPE LOG	Gamma Ray	Neutron
DEPTH—DRILLER		
DEPTH—LOGGER	135.5	135.5
BOTTOM LOGGED INTERVAL	130.0	134.5
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	water	water
SALINITY, PPM CL		
DENSITY		
LEVEL	9.0	9.0
MAX. REC. TEMP., DEG F.		
OPERATING RIG TIME		
RECORDED BY	Morgan	Morgan
WITNESSED BY		

BORE-HOLE RECORD

RUN NO	BIT	FROM	TO

CASING RECORD

SIZE	WGT.	FROM	TO
OH			TD

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

FOLD HERE

EQUIPMENT DATA

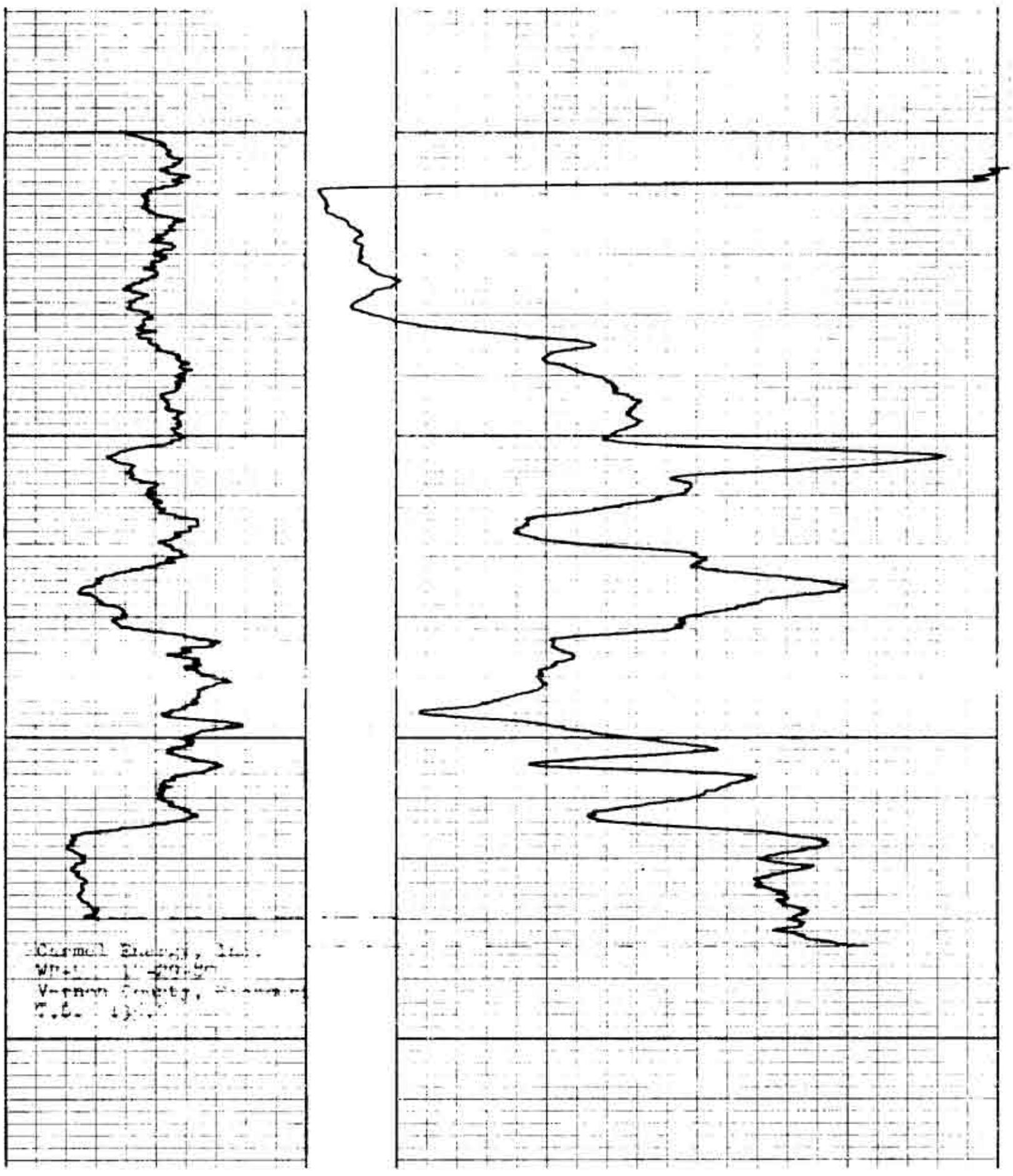
GAMMA RAY		NEUTRON	
RUN NO	1 NW	RUN NO	1 NW
TOOL MODEL NO	705	LOG TYPE	NEU/NEU
DIAMETER	1 11/16"	TOOL MODEL NO	705
DETECTOR MODEL NO	705 GE	DIAMETER	1 11/16"
TYPE	GEIGER	DETECTOR MODEL NO	705 HE-3
LENGTH	1 3/8" x 18"	TYPE	HE
DISTANCE TO N. SOURCE	4.5	LENGTH	1" x 6"
		SOURCE MODEL NO	71-1
GENERAL		SERIAL NO	71-1-335
HOIST TRUCK NO		SPACING	13"
INSTRUMENT TRUCK NO.		TYPE	AMBE-241
TOOL SERIAL NO		STRENGTH	3d-CE

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
1NW	0	TD	20	4.0	100/075	0	10	4.0	500/100	5L	20

REFERENCE LITERATURE:

REMARKS DRILLING CONTRACTOR: TEST DRILLING SERVICE COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS