ee-1

600285

ENERGY RESOURCES, INC.

Phone Kansas 66071
P.O. Box 467
913 294 9000
Lawrence Kansas 66044
1202 Iowa
913 841 8000

COMPANY	Carmel Energy, Inc.
WELL	GM-18-#3
FIELD	Glen McClemans Lease
COUNTY	Vernon County, Missouri
LOCATION	2350 FNL 1500 FWL S10-SE-NW
SEC 18	TWP 34N RGE 33W

PERMANENT DATUM	GL	ELEV. 7[illegible].1	ELEV. K.B. NA
LOG MEASURED FROM	GL	FT. ABOVE PERM. DATUM	D.F. NA
DRILLING MEASURED FROM	GL		G.L. 786.1

DATE	12-27-80	12-27-80	
RUN NO.	1 NW	1 NW	
TYPE LOG	Gamma Ray	Neutron	
DEPTH - DRILLER			
DEPTH - LOGGER	133.7	133.7	
BOTTOM LOGGED INTERVAL	128.2	132.7	
TOP LOGGED INTERVAL	0.0	4.5	
TYPE FLUID IN HOLE	water-oil	water-oil	
SALINITY, PPM CL			
DENSITY			
LEVEL	12.0	12.0	
MAX. REC. TEMP., DEG. F			
OPERATING RIG TIME			
RECORDED BY	Morgan	Morgan	
WITNESSED BY			

CONFIDENTIAL
1-7-82 MS

RUN NO.	BORE-HOLE RECORD BIT	FROM	TO	CASING RECORD SIZE	WGT	FROM	TO
				G/N		RECEIVED	TD
						JAN 07 1981	
						MO. OIL & GAS COUNCIL	

REPRODUCED BY
Petroleum Information
Corporation
MIDLAND, TEXAS 79701

REFERENCE D 2947C

REPRODUCED FROM BEST COPY AVAILABLE

2 COMPLETION RECORD

SPUD DATE

COMP DATE

DST RECORD

API NO.

CASING RECORD

PERFORATING RECORD

ACID FRAC SHOT

I P

GOR GR

T P C P

REMARKS

REPRODUCTION FOR RESALE PROHIBITED

EQUIPMENT DATA

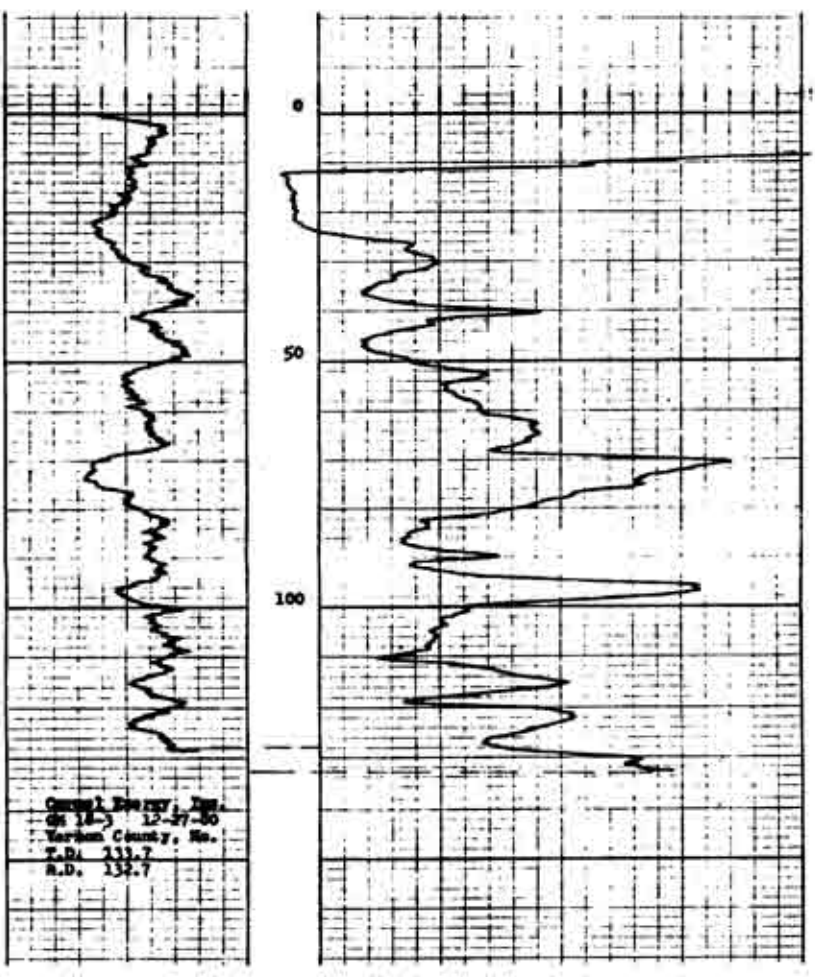
GAMMA RAY			NEUTRON		
RUN NO.	1 NW		RUN NO.	1 NW	
TOOL MODEL NO.	705		LOG TYPE	Neu/Neu	
DIAMETER	1 11/16"		TOOL MODEL NO.	705	
DETECTOR MODEL NO.	705-GE		DIAMETER	1 11/16"	
TYPE	Geiger		DETECTOR MODEL NO.	705 HE-3	
LENGTH	1 3/8" x 18"		TYPE	HE	
DISTANCE TO H. SOURCE	4.5		LENGTH	1" x 6"	
			SOURCE MODEL 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 RUN NO.	DEPTHS FROM	TO	SPEED FT-MIN	GAMMA RAY T.C. SEC	SENS. SETTINGS	ZERO DIV. 1 OR 2	API G.R. UNITS PER LOG DIV	NEUTRON T.C. SEC	SENS. SETTINGS	ZERO DIV. 1 OR 2	API N. UNITS PER LOG DIV
1 NW	0	TD	20	4.0	100/075	0	10	4.0	500/100	5L	20

REFERENCE LITERATURE

REMARKS Drilling Contractor: Test Drilling Company

GAMMA RAY DEPTH NEUTRON

CASING COLLARS