600297

Velmel

ENERGY RESOURCES, INC.

Pratt, Kansas 67124
P. O. Box 467
620-672-6200
Lawrence, Kansas 66044
1200 Iowa
913-841-6500

FILING NO.

COMPANY: CARMEL ENERGY INC. [redacted]

WELL: NO. WO-1

FIELD: R. W. WOLFE LEASE

COUNTY: VERNON - MISSOURI

LOCATION: 1563.0 FEL, 2375.0 FEL

SEC 16 TWP 35N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 804.7
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV.: K.B.
D.F.
G.L. 804.7

DATE	10-31-80	10-31-80
RUN NO.	1 NV	1 NV
TYPE LOG	GAMMA RAY	NEUTRON
DEPTH—DRILLER		
DEPTH—LOGGER	168.7	168.7
BOTTOM LOGGED INTERVAL	163.2	167.7
TOP LOGGED INTERVAL	0.0	4.5
TYPE FLUID IN HOLE	WATER	WATER
SALINITY, PPM CL		
DENSITY		
LEVEL	12.0	12.0
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
				O/H		0	T.D.

NOV 06 1980
MO. OIL & GAS COUNCIL

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

	GAMMA RAY	NEUTRON
RUN NO.	1 NV	1 NV
TOOL MODEL NO.	705	WNT/NB
DIAMETER	1 11/16	705
DETECTOR MODEL NO.	705-GR	1 11/16
TYPE	GEIGER	705 HR-3
LENGTH	1 3/8" x 18"	HR
DISTANCE TO N. SOURCE	4.5	1" x 6"
SOURCE MODEL NO.		71-1
SERIAL NO.		71-1-395
SPACING		13"
TYPE		AMER-241
STRENGTH		3 CT

GENERAL

RUN NO.	TOOL MODEL NO.	DIAMETER	DETECTOR MODEL NO.	TYPE	LENGTH	DISTANCE TO N. SOURCE	SERIAL NO.	SPACING	TYPE	STRENGTH
	705	1 11/16	705-GR	GEIGER	1 3/8" x 18"	4.5	0020	0020	0002	

HOIST TRUCK NO.
INSTRUMENT TRUCK NO.
TOOL SERIAL NO.

LOGGING DATA

RUN NO.	DEPTHS FROM	DEPTHS TO	SPEED FT/MIN.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR II	API G.R. UNITS PER LOG DIV.	T.C. SEC.	SENS. SETTINGS	ZERO DIV. I OR II	AIR N. UNITS PER LOG DIV.
1	0	T.D.	20	4.0	100/[illegible]	0	10	4.0	200/100	8	[illegible]

REFERENCE LITERATURE: OPEN HOLE - NOT CASE HOLE

REMARKS: DRILLING CONTRACTOR: LATIE-WESTERN COMPANY

NEUTRON

GAMMA RAY

DEPTH

CASING COLLARS

Fluid Level

0 50 100 150

T.D. 168.7
R.B. 167.7

T.D. 168.7
Lth. 163.2

NO. WO-1