G00276

ENERGY RESOURCES, INC.

Paola, Kansas 66071
P. O. Box 467
913 294-5050

Lawrence, Kansas 66044
1203 Iowa
913 841-8886

# RELEASED

FILING NO.

COMPANY: CARMEL ENERGY, INC.

WELL: MH 24-1

FIELD: Melvin Hartzfield Lease

COUNTY: ~~B~~ Vernon County, Missouri

LOCATION: 240.0 FWL SW/4 SW/4
210.0 FNL

SEC 24 TWP 34N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: GL ELEV. 850.0
LOG MEASURED FROM: GL FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: GL

ELEV.: K.B. NA
D.F. NA
G.L. 850.0

| | | | |
|---|---|---|---|
| DATE | 12/29/80 | 12/29/80 | |
| RUN NO | 1 NW | 1 NW | |
| TYPE LOG | Gamma Ray | Neutron | |
| DEPTH-DRILLER | | | |
| DEPTH-LOGGER | 188.6 | 188.6 | |
| BOTTOM LOGGED INTERVAL | 183.1 | 187.6 | |
| TOP LOGGED INTERVAL | 0.0 | 4.5 | |
| TYPE FLUID IN HOLE | water | water | |
| SALINITY, PPM CL. | | | |
| DENSITY | | | |
| LEVEL | 50.0 | 50.0 | |
| MAX. REC. TEMP., DEG F. | | | |
| OPERATING RIG TIME | | | |
| RECORDED BY | Morgan | Morgan | |
| WITNESSED BY | | | |

| RUN NO. | BORE-HOLE RECORD BIT | FROM | TO | CASING RECORD SIZE | WGT | FROM | TO |
|---|---|---|---|---|---|---|---|
| | | | | | OH | 0 | TD |

RECEIVED
JAN 07 1981
MO. OIL & GAS COUNCIL

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

EQUIPMENT DATA

| | GAMMA RAY | NEUTRON |
|---|---|---|
| RUN NO | 1 NW | 1 NW |
| TOOL MODEL NO | 705 | NEU/NEU |
| DIAMETER | 1 11/16" | 705 |
| DETECTOR MODEL NO | 705-GE | 1 11/16" |
| TYPE | GEIGER | 705 HE-3 |
| LENGTH | 1 3/8" x 18" | HE |
| DISTANCE TO N. SOURCE | 4.5 | 1" x 6" |
| SOURCE MODEL NO | | 71x1 |
| SERIAL NO | | 71-1-335 G |
| SPACING | | 13" |
| TYPE | | AMBE-241 |
| STRENGTH | | 3 CI |

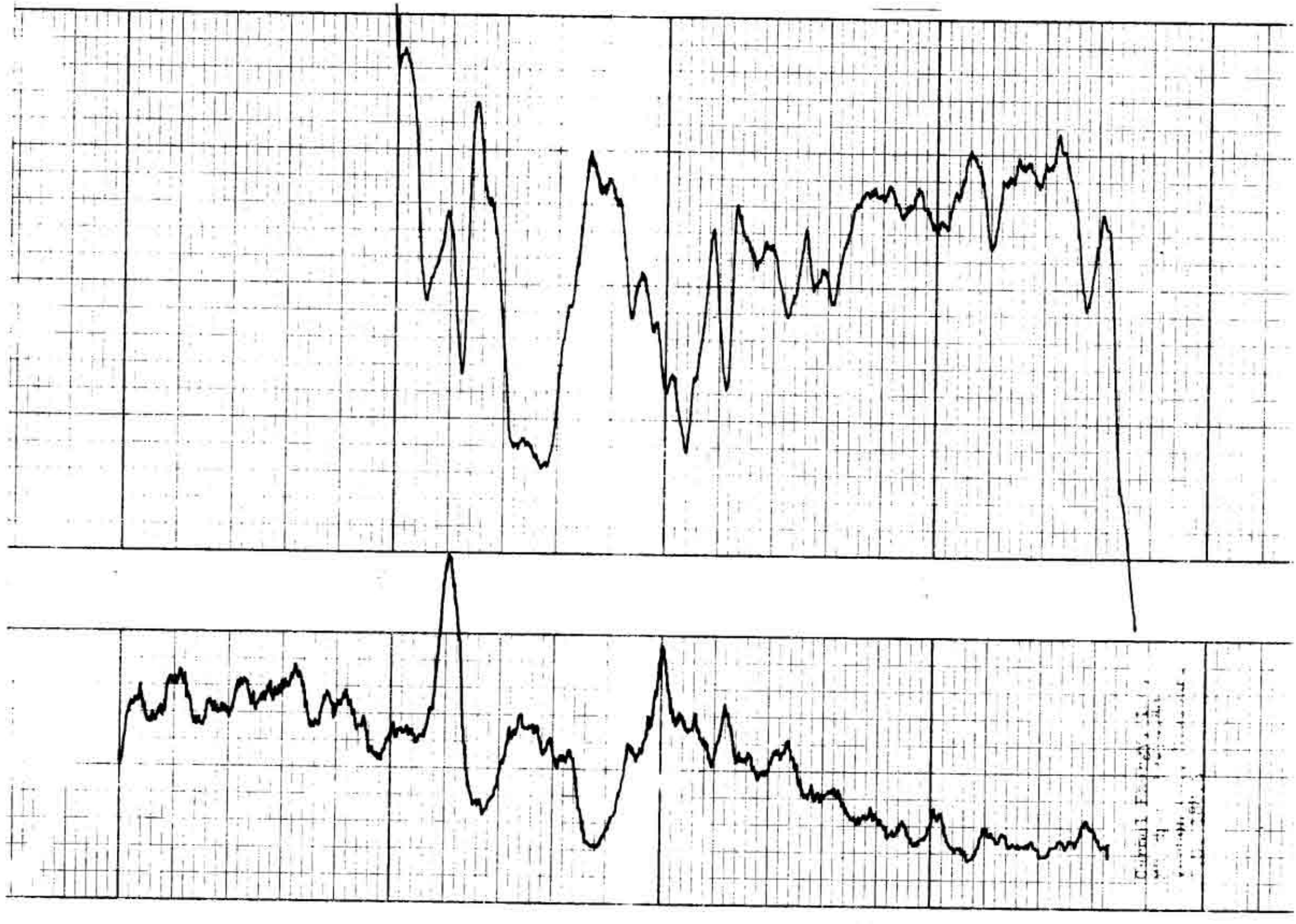
GENERAL

| | |
|---|---|
| HOIST TRUCK NO | 0020 |
| INSTRUMENT TRUCK NO | 0020 |
| TOOL SERIAL NO | 0002 |

LOGGING DATA

| 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: DRILLINGER CONTRACTOR: TEST DRILLING SERVICE COMPANY

GAMMA RAY DEPTH NEUTRON CASING COLLARS