600281

**ENERGY RESOURCES, INC.**

Pada, Kansas 66071
P. O. Box 487
913-294-6080

Lawrence, Kansas 66044
1203 Iowa
913-841-0669

RELEASED

FILING NO. _____

COMPANY CARMEL ENERGY INC.

WELL RL - 10

FIELD RAYMOND LINN LEASE Case: COULTR

COUNTY VERNON - MISSOURI

LOCATION: 2108.0 FSL 2488.0 FWL

SEC. 32 TWP. 34N RGE. 33W

OTHER SERVICES:

PERMANENT DATUM: Gr. Lev. ELEV. 808.9

LOG MEASURED FROM Gr. Lev. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM Gr. Lev.

ELEV.: K.B. N.A. D.F. N.A. G.L. Gr. Lev.

| | | |
|---|---|---|
| DATE | 11-28-80 | 11-28-80 |
| RUN NO. | 1 NV | 1 NV |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH—DRILLER | | |
| DEPTH—LOGGER | 97.8 | 97.8 |
| BOTTOM LOGGED INTERVAL | 92.3 | 96.8 |
| TOP LOGGED INTERVAL | 0.0 | 4.5 |
| TYPE FLUID IN HOLE | WATER | WATER |
| SALINITY, PPM CL | | |
| DENSITY | | |
| LEVEL | 19.0 | 19.0 |
| 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 |
|---|---|---|---|
| OPEN HOLE | | | |

DEC 08 1980
MO. OIL & GAS COUNCIL

FOLD HERE

THIS HEADING AND LOG CONFORMS TO API RP 33

## EQUIPMENT DATA

| GAMMA RAY | | | NEUTRON | | |
|---|---|---|---|---|---|
| RUN NO. | 1 NV | | RUN NO. | 1 NV | |
| TOOL MODEL NO. | 705 | | LOG TYPE | [illegible] | |
| DIAMETER | 1 11/16" | | TOOL MODEL NO. | 705 | |
| DETECTOR MODEL NO | 705-GR | | DIAMETER | 1 11/16" | |
| TYPE | GRIGER | | 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 Q | |
| 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 | 4.0 | 100/975 | 0 | 10 | 4.0 | 500/100 | 5 R | 20 |

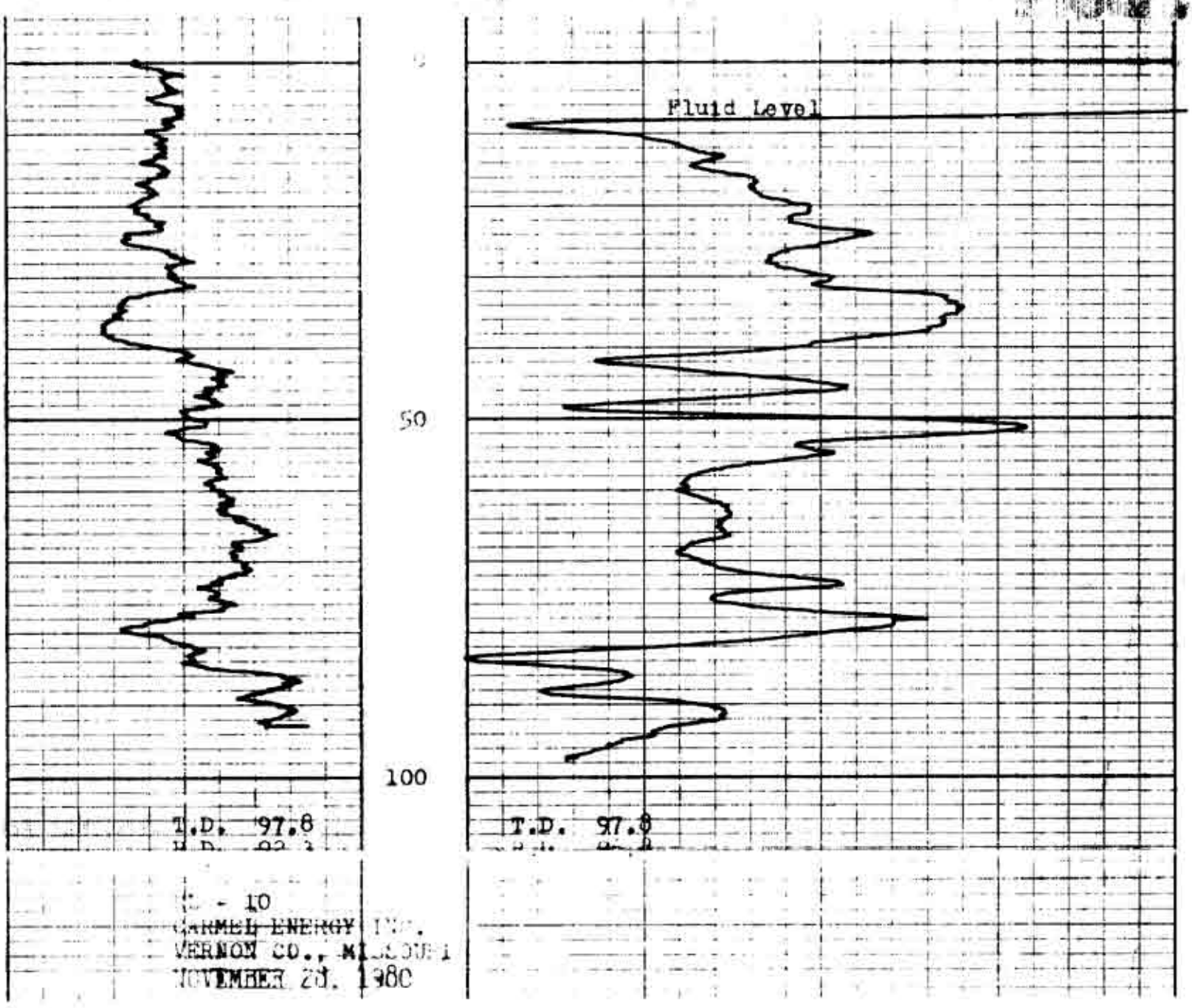
REFERENCE LITERATURE OPEN HOLE

REMARKS DRILLING CONTRACTOR: TEST DRILLING COMPANY

NSLO 18240

GAMMA RAY DEPTH NEUTRON

CASING COLLARS




RL - 10
CARMEL ENERGY INC.
VERNON CO., MISSOURI
NOVEMBER 28, 1980