G00342

# ENERGY RESOURCES, INC.

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|---|---|
| FILING NO. | |
| COMPANY | CARMEL ENERGY, INC. [redacted] |
| WELL | C.E.I. NO. 81 |
| FIELD | IDA FAUVERGUE |
| COUNTRY | VERNON CO., MISSOURI |
| LOCATION | SEC 33 TWP 35N RGE 33W |
| OTHER SERVICES | |
| PERMANENT DATUM | G.L. |
| LOG MEASURED FROM | G.L. |
| DRILLING MEASURED FROM | G.L. |

| | | |
|---|---|---|
| DATE | 4-18-80 | 4-18-80 |
| RUN NO. | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH—DRILLER | 135.9 | 135.9 |
| DEPTH—LOGGER | 135.9 | 135.9 |
| BOTTOM LOGGED INTERVAL | 130.4 | 134.9 |
| 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 | E. PRATT | E. PRATT |
| WITNESSED BY | V. YOUNG | V. YOUNG |

| RUN NO. | BORE-HOLE RECORD BIT | FROM | TO | CASING RECORD SIZE | WGT. | FROM | TO |
|---|---|---|---|---|---|---|---|
| | | | | O/H | | 0 | T.D. |

OCT 06 1980
MO. OIL & GAS COUNCIL

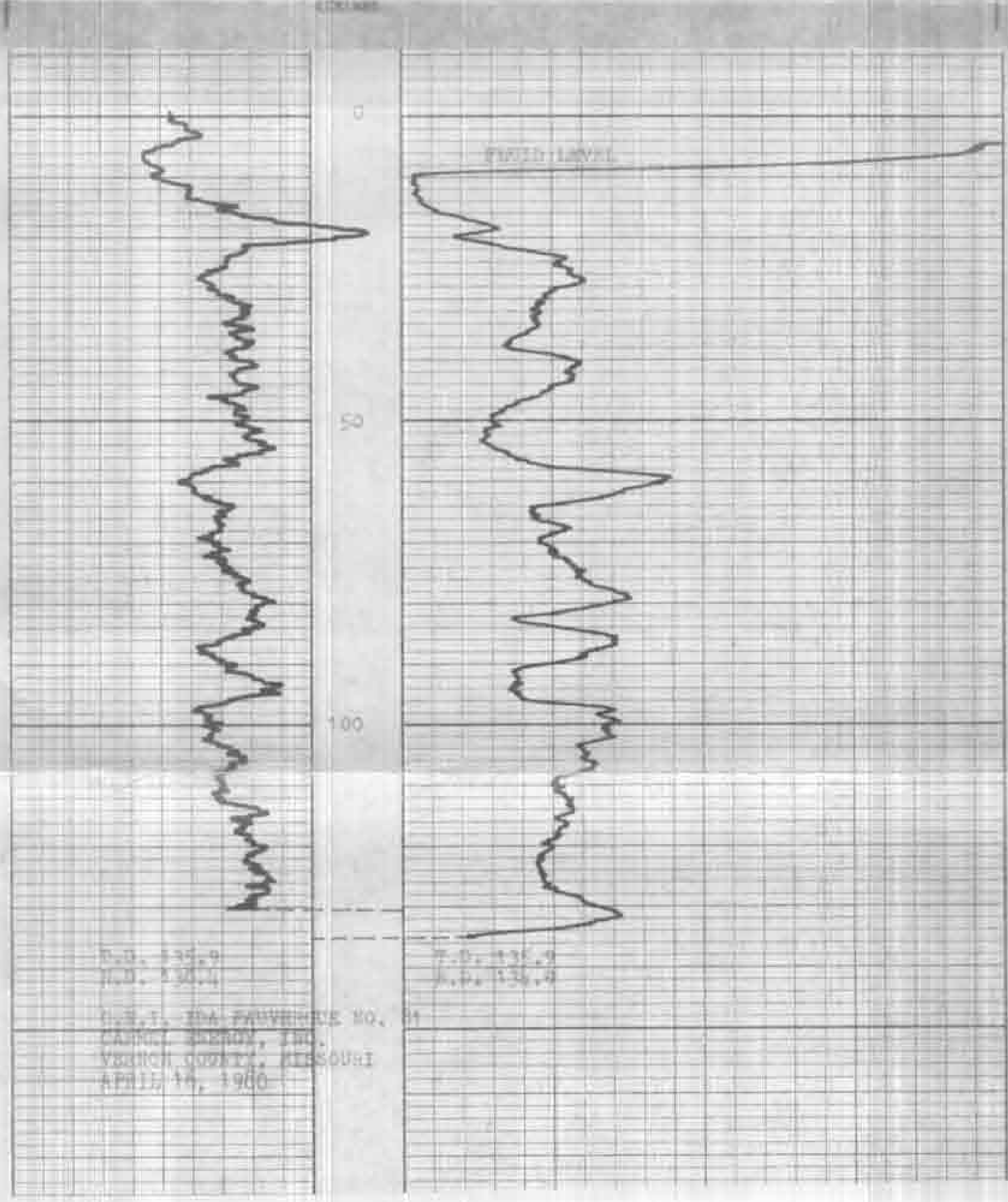
## EQUIPMENT DATA

| 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"x10" | TYPE | HE |
| DISTANCE TO N. SOURCE | 4.5 | LENGTH | 1" x 6" |
| GENERAL | | SOURCE MODEL NO. | 71-1 |
| | | SERIAL NO. | 71-1-335 |
| HOIST TRUCK NO. | 0020 | SPACING | 13" |
| INSTRUMENT TRUCK NO. | 0020 | TYPE | AMBE-241 |
| TOOL SERIAL NO. | 0002 | STRENGTH | 3 CI |

## LOGGING DATA

| RUN NO. | DEPTH FROM | DEPTH TO | SPEED FT/MIN. | GAMMA RAY T.C. SEC. | SENS. SETTINGS | ZERO DIV. L OR R | API G.R. UNITS PER LOG DIV. | NEUTRON T.C. SEC. | SENS. SETTINGS | ZERO DIV. L OR R | API N. UNITS PER LOG DIV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | T.D. | 30 | 2.0 | 100/100 | 3 R | 10 | 2.0 | 500/095 | 0 | 20 |

REFERENCE LITERATURE: OPEN HOLE - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: LAYNE-WESTERN COMPANY

| GAMMA RAY | DEPTH AND CASING COLLARS | NEUTRON |
|---|---|---|
| API UNITS | | API UNITS |