cc-2

600283

**ENERGY RESOURCES, INC.**

Poole Kansas 66071
P O Box 467
913 294 5060
Lawrence Kansas 66044
1302 Iowa
913 841 8880

RELEASED

CONFIDENTIAL

| | |
|---|---|
| COMPANY | CARMEL ENERGY INC. |
| WELL | NO. GM-18-1 |
| FIELD | GLEN McCLEMANS LEASE |
| COUNTY | VERNON - MISSOURI |
| LOCATION | 1950.0 FWL E/2<br>500.0 FWL NW-SW-NW |
| SEC 18 | TWP 34N RGE 33W |
| OTHER SERVICES | |

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

| | | | |
|---|---|---|---|
| DATE | 12-16-80 | 12-16-80 | |
| RUN NO | 1 NW | 1 NW | |
| TYPE LOG | GAMMA RAY | NEUTRON | |
| DEPTH-DRILLER | | | |
| DEPTH-LOGGER | 239.6 | 239.6 | |
| BOTTOM LOGGED INTERVAL | 234.1 | 238.6 | |
| TOP LOGGED INTERVAL | 0.0 | 4.5 | |
| TYPE FLUID IN HOLE | WATER | WATER | |
| SALINITY, PPM CL | | | |
| DENSITY | | | |
| LEVEL | 11.0 | 11.0 | DEC 22 1980 |
| MAX REC. TEMP., DEG F | | | NO. OIL & GAS COUNCIL |
| OPERATING RIG TIME | | | |
| RECORDED BY | PRATT | PRATT | |
| WITNESSED BY | HEITZ | HEITZ | |

| RUN NO | BORE-HOLE RECORD BIT | FROM | TO | CASING RECORD SIZE | WGT | FROM | TO |
|---|---|---|---|---|---|---|---|
| | | | | OPEN HOLE | | | |

REPRODUCED BY
**Petroleum Information**
Corporation
MIDLAND, TEXAS 79701

REFERENCE D 2936D

## 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

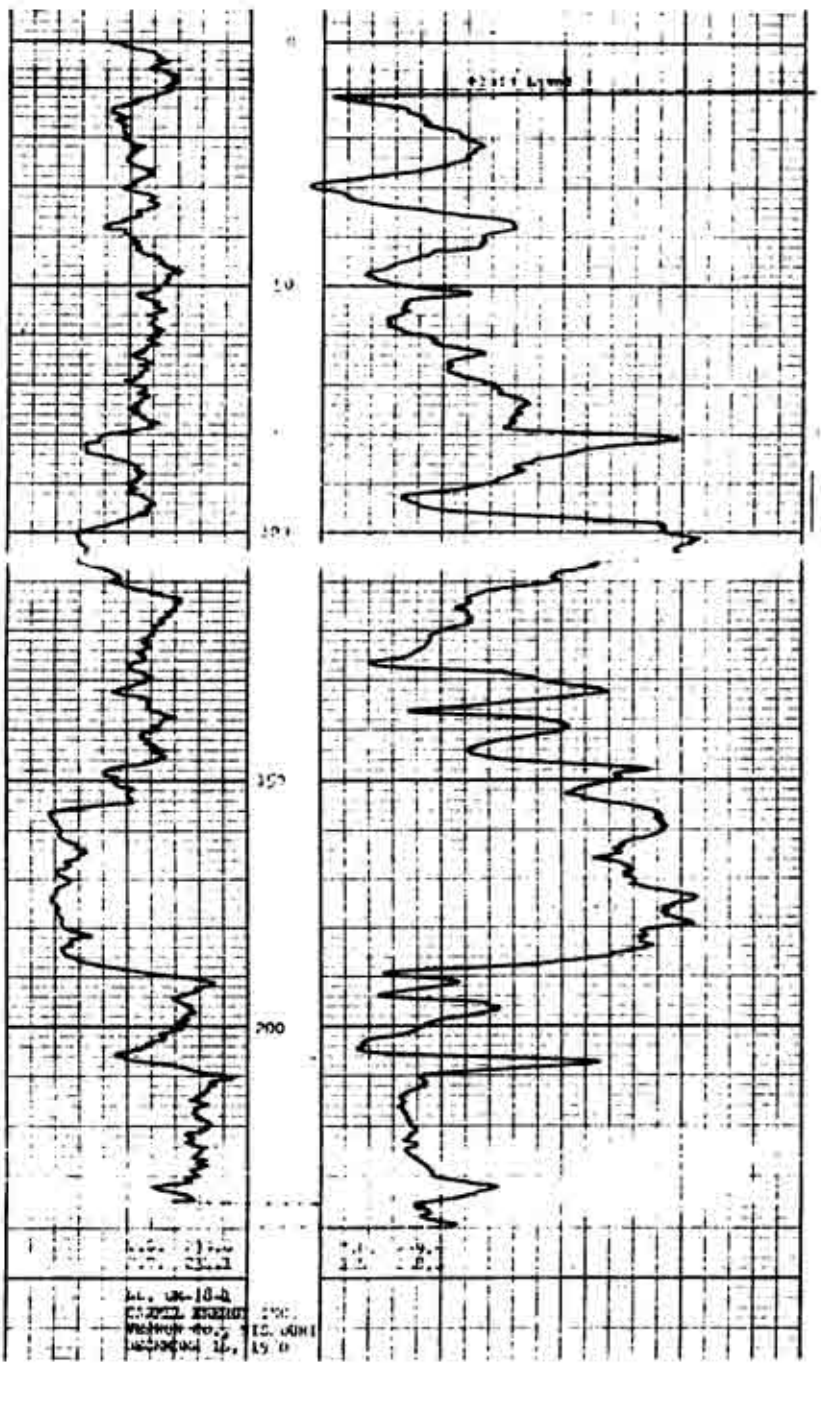
| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO | 1 NW | RUN NO | 1 NW |
| TOOL MODEL NO | 705 | LOG TYPE | NEU/NEU |
| DIAMETER | 1 11/16" | TOOL MODEL NO | 705 |
| DETECTOR MODEL NO | 705-GE | DIAMETER | 1 11/16" |
| TYPE | GEIGER | DETECTOR MODEL NO | 705 HE-3 |
| LENGTH | 1 3/8" x 18" | TYPE | HE |
| DISTANCE TO H SOURCE | 4.5 | LENGTH | 1" x 4" |
| | | SOURCE MODEL NO | 71-1 |
| GENERAL | | SERIAL NO | 71-1-339 G |
| HOIST TRUCK NO | 0020 | SPACING | 11" |
| INSTRUMENT TRUCK NO | 0020 | TYPE | AMBE-[illegible] |
| TOOL SERIAL NO | 0002 | STRENGTH | 3 CI |

LOGGING DATA

| GENERAL RUN NO | DEPTH FROM | DEPTH 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 | 0 | T.D. | 20 | 4.0 | 100/075 | 0 H | 10 | 4.0 | 500/100 | 51 | 20 |

REFERENCE UTILIZATION OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: TEST DRILLING COMPANY

GAMMA RAY DEPTH NEUTRON

CASING COLLARS