G02223 Permit # 21571 **RELEASED**

**TOP WIRELINE SERVICES, inc.**

**P.O. Box 336 · Chanute, Kansas 66720**

until 7-6-85

FILING NO.

COMPANY CARMEL ENERGY, INC. RECEIVED

WELL NO. PO-4 JUL 13 1984

FIELD O'Toole MO. OIL & GAS COUNCIL

COUNTY VERNON COUNTY, MISSOURI

LOCATION: 2440' FEL 2631' FNL

SEC 32 TWP 36N RGE 33W

OTHER SERVICES:

PERMANENT DATUM: G.L. ELEV. 771.5'

LOG MEASURED FROM G.L. FT. ABOVE PERM. DATUM

DRILLING MEASURED FROM G.L.

ELEV. K.B. D.F. G.L. 771.5'

| | | |
|---|---|---|
| DATE | 7-6-84 | 7-6-84 |
| RUN NO. | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH—DRILLER | | |
| DEPTH—LOGGER | 236.0' | 236.0' |
| BOTTOM LOGGED INTERVAL | 230.7' | 235.0' |
| TOP LOGGED INTERVAL | 3.7' | 8.0' |
| TYPE FLUID IN HOLE | WATER | WATER |
| DENSITY | | |
| LEVEL | FULL | FULL |
| OPERATING RIG TIME | | |
| RECORDED BY | BRUBAKER, T. | BRUBAKER, T. |
| WITNESSED BY | | |

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

HOIST TRUCK NO. 81

INSTRUMENT TRUCK NO.

TOOL SERIAL NO. GD TOOL

REFERENCE LITERATURE:

REMARKS

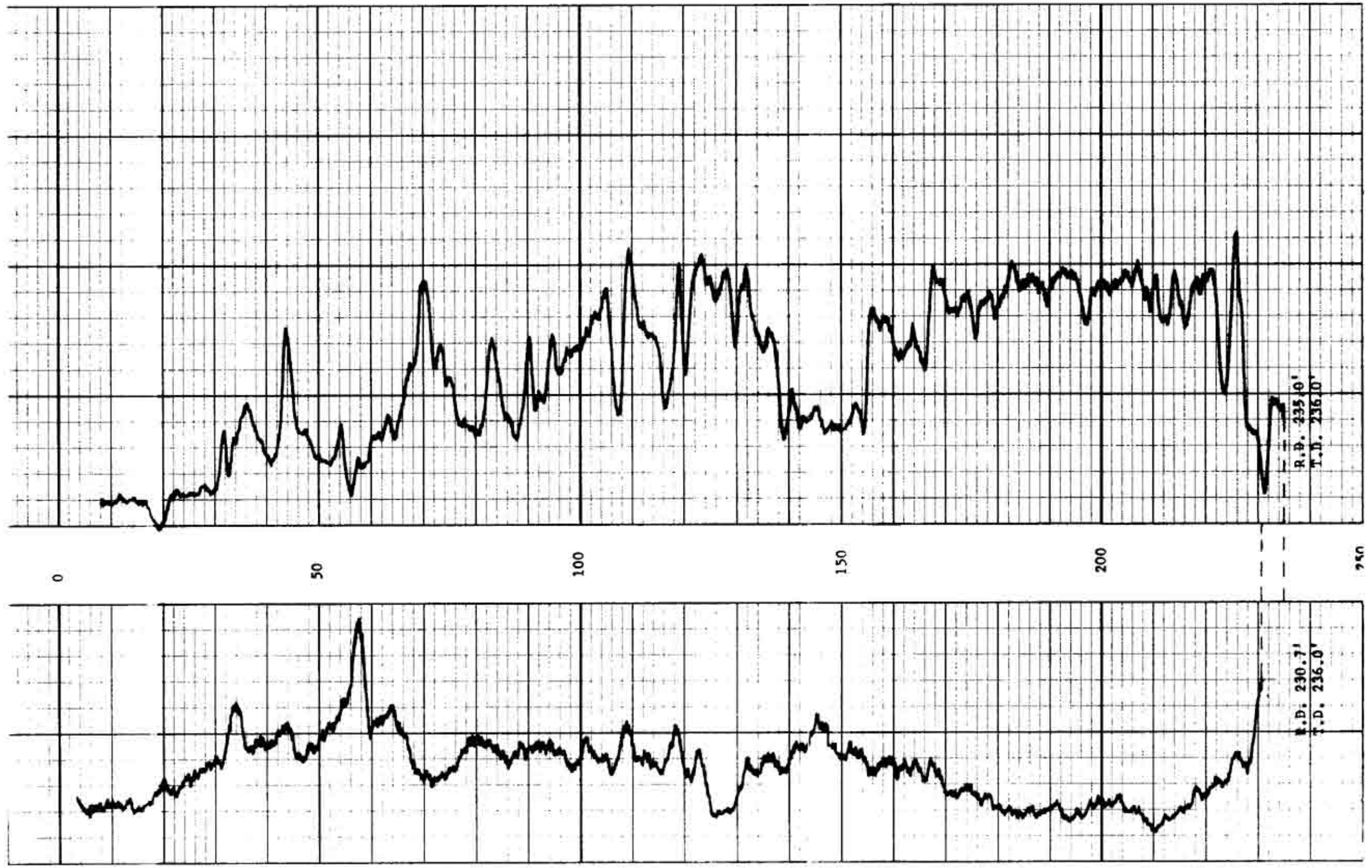
DRILLING CONTRACTOR:

GEOLOGIST:

GAMMA RAY DEPTH NEUTRON

CASING COLLARS

NSCO-16945




7-6-84 GN (OPEN HOLE)

NO. PO-4
CARMEL ENERGY, INC.
VERNON COUNTY, MISSOURI
JULY 6, 1984

32-36N-33W