G00020

Permit #20106

**ENERGY RESOURCES, INC.**

Paola, Kansas 66071
P. O. Box 487
913 294-3760

Lawrence, Kansas 66044
1203 Iowa
913 841-8886

FILING NO.

COMPANY: Town Oil Co. ~~ENERGY RESOURCES, INC.~~

WELL: NO. 57 B

FIELD: BEARY LEASE

COUNTY: CASS COUNTY, MISSOURI

LOCATION: 1 357.12 FNL 1322.25 FEL

SEC. 4 TWP. 46N RGE. 33W

OTHER SERVICES: CCL

PERMANENT DATUM: G.L. ELEV. 1071.0
LOG MEASURED FROM: G.L. FT. ABOVE PERM. DATUM
DRILLING MEASURED FROM: G.L.

ELEV. K.B. NA
D.F. NA
G.L. 1071.0

| | | |
|---|---|---|
| DATE | 1-17-81 | 1-17-81 |
| RUN NO. | 1 RW | 1 RW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH-DRILLER | 640.0 | 640.0 |
| DEPTH-LOGGER | 626.0 | 626.0 |
| BOTTOM LOGGED INTERVAL | 620.5 | 625.0 |
| TOP LOGGED INTERVAL | 350.0 | 154.5 |
| TYPE FLUID IN HOLE | WATER | WATER |
| SALINITY, PPM CL | | |
| DENSITY | | |
| LEVEL | FULL | FULL |
| MAX. REC. TEMP., DEG. F. | | |
| OPERATING RIG TIME | | |
| RECORDED BY | MORGAN | MORGAN |
| WITNESSED BY | | |

BORE-HOLE RECORD

| RUN NO. | BIT | FROM | TO |
|---|---|---|---|
| | 9" | 0.0 | 21.3 |
| | 6¾" | 21.3 | 640.0 |

CASING RECORD

| SIZE | WGT. | FROM | TO |
|---|---|---|---|
| 4" | | 0.0 | 627.7 |

RECEIVED
JUN 04 1981
MO. OIL & GAS COUNCIL

FOLD HERE

FIELD PRINTS AND LOG CONVERTED TO API RP 33

EQUIPMENT DATA

| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO. | 1 RW | RUN NO. | 1 RW |
| TOOL MODEL NO. | 705 | TOOL MODEL NO. | NRG/NRH |
| DIAMETER | 1 7/16" | DIAMETER | 1 7/16" |
| DETECTOR MODEL NO. | 705-SC | DETECTOR MODEL NO. | 705-HE-3 |
| TYPE | GM TUBE | TYPE | HE-3 |
| LENGTH | 1 3/8" x 18" | LENGTH | 18" x 6" |
| DISTANCE FROM SOURCE | 4.5" | DISTANCE FROM SOURCE | 71-1 |
| | | SOURCE MODEL NO. | 71-2-335 G |
| | | SERIAL NO. | 71-2-335 G |
| GENERAL | 0020 | SPACING | AMRE-811 |
| HOOD BLOCK NO. | 0020 | TYPE | 3 Ci |
| TOOL SERIAL NO. | 0002 | STRENGTH | |

LOGGING DATA

| GENERAL | | | | GAMMA RAY | | | | NEUTRON | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN NO. | SCALE | SPEED FT. PER MIN. | T.C. SEC. | SENS. DIV. PER API UNIT | SPEED DIV. PER IN. | API G.R. UNITS PER DIV. | T.C. SEC. | SENS. DIV. PER API UNIT | SPEED DIV. PER IN. | API N. UNITS PER DIV. |
| 1 | 0 | 2.0 | 2.0 | 0.0075 | 2 | 10 | 4.0 | 0.0050 | 2 | 20 |

REFERENCE (LITERATURE): 4" - CEMENTED

REMARKS: DRILLING CONTRACTOR: H & H DRILLING INC.

GAMMA RAY DEPTH NEUTRON CASING