G00046

Permit #20098

**ENERGY RESOURCES, INC.**

Paola, Kansas 66071
P. O. Box 467
913-294-5050

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO.

COMPANY: TOWN OIL COMPANY

WELL: NO. 25

FIELD: WALTON LEASE

COUNTY: CASS COUNTY, MISSOURI

LOCATION: 165' FNL & 1810' FWL

SEC. 4 TWP. 46N RGE. 33W

OTHER SERVICES: CCL

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

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

| | | |
|---|---|---|
| DATE | 1-21-81 | 1-21-81 |
| RUN NO | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH--DRILLER | 620.0 | 620.0 |
| DEPTH--LOGGER | 599.3 | 599.3 |
| BOTTOM LOGGED INTERVAL | 593.8 | 598.3 |
| TOP LOGGED INTERVAL | 350.0 | 354.5 |
| 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 | | |

| RUN NO | BORE-HOLE RECORD BIT | FROM | TO | CASING RECORD SIZE | WGT | FROM | TO |
|---|---|---|---|---|---|---|---|
| | 8 5/8" | 0.0 | 20.0 | 2" | | K.O. | 20.0 |
| | 5 1/4" | 20.0 | 620.0 | | | | |

RECEIVED
MAR 19 1981
MO. OIL & GAS COUNCIL

EQUIPMENT DATA

| | GAMMA RAY | NEUTRON |
|---|---|---|
| RUN NO. | 1 NW | 1 NW |
| TOOL MODEL NO. | 705 | NEU/NEU |
| DIAMETER | 1 11/16" | 705 |
| DETECTOR MODEL NO | 705-GE | 1 11/16" |
| TYPE | GEIGER | 705 HE-3 |
| LENGTH | 1 3/8" x 18" | HE |
| DISTANCE TO N. SOURCE | 4.5 | 1" x 6" |
| RUN NO. | | 71-1 |
| TOOL MODEL NO. | | 71-1-335 G |
| DIAMETER | | 13" |
| DETECTOR MODEL NO | | AMHE-241 |
| TYPE | | 3 CI |
| LENGTH | | |
| SOURCE MODEL NO. | | |
| SERIAL NO | | |
| SPACING | | |
| TYPE | | |
| STRENGTH | | |
| HOIST TRUCK NO. | 0020 | |
| INSTRUMENT TRUCK NO | 0020 | |
| TOOL SERIAL NO | 0002 | |

LOGGING DATA

| GENERAL RUN NO. | DEPTHS FROM | TO | SPEED FT./MIN | T.C. SEC. | SENS SETTINGS | ZERO DIV. | GAMMA RAY API G.R. UNITS PER LOG DIV. | T.C. SEC. | SENS SETTINGS | ZERO DIV. | NEUTRON API N. UNITS PER LOG DIV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0 | T.D. | 20 | 4.0 | 100/075 | 3 R | 10 | 4.0 | 500/100 | 5 L | 20 |

REFERENCE LITERATURE: 2" - CEMENTED

REMARKS: DRILLING CONTRACTOR: COMPANY TOOLS

GAMMA RAY NEUTRON

DEPTH

CASING COLLARS