G00093 20184 Permit # 20184

**ENERGY RESOURCES, INC.**

Paola, Kansas 66071
P. O. Box 457
913-294-5060
Lawrence, Kansas 66044
1203 Rose
913-841-8856

FILING NO.

COMPANY: HENSON EXPLORATION INC.

WELL: NO. 13-7

FIELD: SHIVELY IRAME

COUNTY: JACKSON - MISSOURI

LOCATION: 467.00 FWL 550.53 FNL

SEC. 7 TWP. 48 N. RGE. 33W

OTHER SERVICES: GRL TEMPERATURE

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

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

| | | |
|---|---|---|
| DATE | 10-20-80 | 10-20-80 |
| RUN NO. | ONE | TWO |
| TYPE LOG | NEUTRON | GAMMA RAY |
| DEPTH-DRILLER | 1000 | 1000 |
| DEPTH-LOGGER | 996.4 | 996.4 |
| BOTTOM LOGGED INTERVAL | 996.4 | 996.4 |
| TOP LOGGED INTERVAL | 0.0 | 0.0 |
| TYPE FLUID IN HOLE | FLUID | FLUID |
| SALINITY, PPM Cl | | |
| DENSITY | | |
| LEVEL | FULL | FULL |
| MAX. REC. TEMP. DEG. F | | |
| OPERATING RIG TIME | | |
| RECORDED BY | FLUTY | FLUTY |
| WITNESSED BY | HENSON | HENSON |

RECEIVED
JAN 25 1991
MO. OIL & GAS COUNCIL

| BOREHOLE RECORD | | | | CASING RECORD | | | |
|---|---|---|---|---|---|---|---|
| RUN NO. | BIT | FROM | TO | SIZE | WGT. | FROM | TO |
| | | | | 7" | | 0 | G.L. |

EQUIPMENT DATA

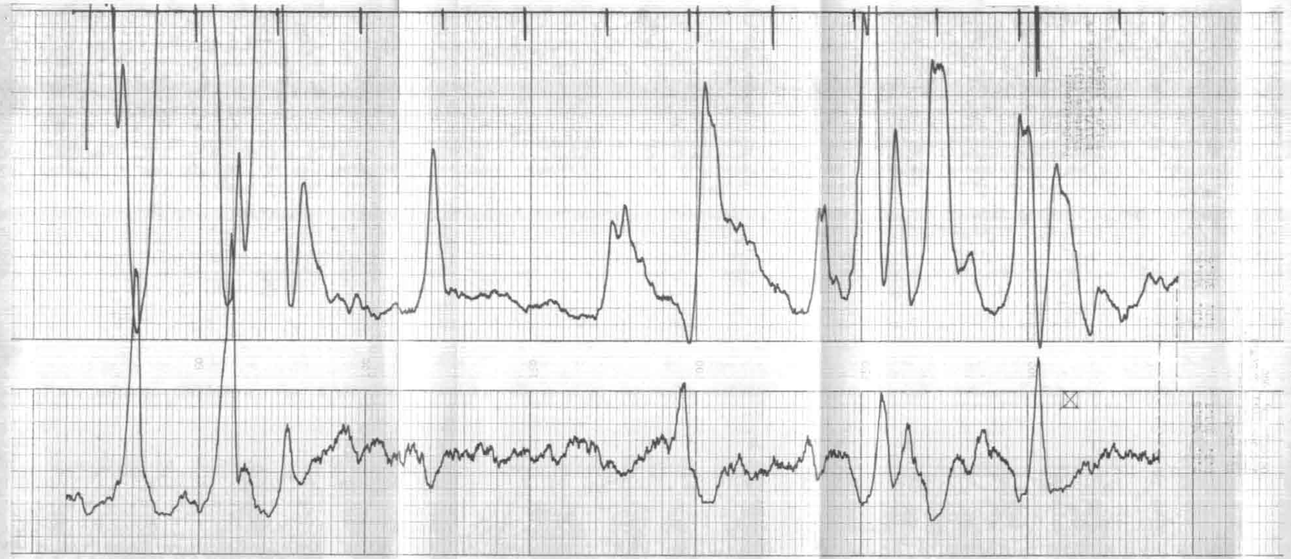
| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO. | ONE | RUN NO. | ONE |
| TOOL MODEL NO. | | TOOL TYPE | |
| DIAMETER | | TOOL MODEL NO. | |
| DETECTOR MODEL NO. | | DIAMETER | |
| TYPE | | DETECTOR MODEL NO. | |
| LENGTH | | TYPE | |
| DISTANCE TO N. SOURCE | | LENGTH | |
| | | SOURCE MODEL NO. | |
| GENERAL | | SERIAL NO. | |
| | | STRENGTH | |
| HOIST TRUCK NO. | | TYPE | |
| INSTRUMENT TRUCK NO. | | STRENGTH | |
| TOOL SERIAL NO. | | | |

LOGGING DATA

| GENERAL | | | | GAMMA RAY | | | | NEUTRON | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN NO. | DEPTHS FROM | DEPTHS TO | SPEED FT. MIN. | T.C. SEC. | SENS. SETTINGS | API-G.R. UNITS PER LOG DIV. | DIV. + CM. # | T.C. SEC. | SENS. SETTINGS | API-N. UNITS PER LOG DIV. | DIV. + CM. # |
| ONE | 0 | 996.4 | 30 | 2 | 100/20 | 20 | 2 | 2 | 500/20 | 20 | 2 |
| TWO | 0 | 996.4 | 30 | 2 | 100/20 | 20 | 2 | 2 | 500/20 | 20 | 2 |

REFERENCE LITERATURE

REMARKS: DETAILED INFORMATION ATTACHED ON FOLLOWING PAGE.

GAMMA RAY DEPTH NEUTRON

CASING COLLARS