**ENERGY RESOURCES, INC.**

Box 1, Hiawatha, KS 66434
Lawrence Kansas Office
913 841 8500

Form No. 40

COMPANY: SOUTHSIDE INVESTMENT COMPANY
WELL: #2
FIELD: WILDCAT
COUNTY: JACKSON, MISSOURI
LOCATION: 465' FSL 965' FEL
SEC. 3 TWP. 47 RGE. 32
PERMANENT DATUM: GL
LOG MEASURED FROM: GL
DRILLING MEASURED FROM: GL
ELEV.: K.B. N/A D.F. N/A G.L. N/A
RUN NO. 1 1 BW
DATE 8-13-81 8-13-81
TYPE LOG GAMMA RAY NEUTRON
DEPTH-DRILLER 703.0 703.0
DEPTH-LOGGER 697.5 702.0
BTM. LOG INTERVAL 695.5 700.0
TOP LOG INTERVAL SURFACE SURFACE
CASING-DRILLER 8 5/8 @ 24.5'
CASING-LOGGER 24.5'
BIT SIZE 7 7/8"
TYPE FLUID IN HOLE WATER WATER
DENSITY
PH
FLUID LOSS
SOURCE OF SAMPLE
RM @ MEAS. TEMP.
RMF @ MEAS. TEMP.
RMC @ MEAS. TEMP.
SOURCE: RMF RMC
RM @ BHT
TIME SINCE CIRCULATION
MAX. REC. TEMP. 85°F
EQUIP. LOCATION 2 CG
RECORDED BY D. HOLT
WITNESSED BY N/A

OPER. WITNESS:
CCL

TRUCK NO. 0036
DRIVER NO. 0036
PODS NO. 0002

TRUCK HERE
CALL TO LOCATION
LEAVE LOCATION
TO WELL SITE
TO SHOP
OPERATING TIME
RIGGING UP TIME
RIGGING DOWN TIME
TRUCK MILEAGE

| RUN NO. | BIT SIZE | FROM | TO | FEET DRILLED | HOURS |
|---|---|---|---|---|---|
| 1 | | 0.0 | T.D. | 2 3/8 | 0.0 |

CASING RECORD

| SIZE | WGT. | FROM | TO |
|---|---|---|---|
| | | | T.D. |

## EQUIPMENT DATA

| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO. | 1 BW | RUN NO. | 1 BW |
| 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 HR-3 |
| LENGTH | 1 3/8x18" | TYPE | HE |
| DISTANCE TO H. SOURCE | 5.5 | LENGTH | 1" x 6" |
| | | SOURCE MODEL NO. | 71-1 |
| GENERAL | | SERIAL NO. | 71-1-3350 |
| NOTED TRUCK NO. | 0036 | SPACING | 13" |
| INSTRUMENT TRUCK NO. | 0036 | TYPE | AMBE-241 |
| POCE SERIAL NO. | 0002 | STRENGTH | 5 CI |

## LOGGING DATA

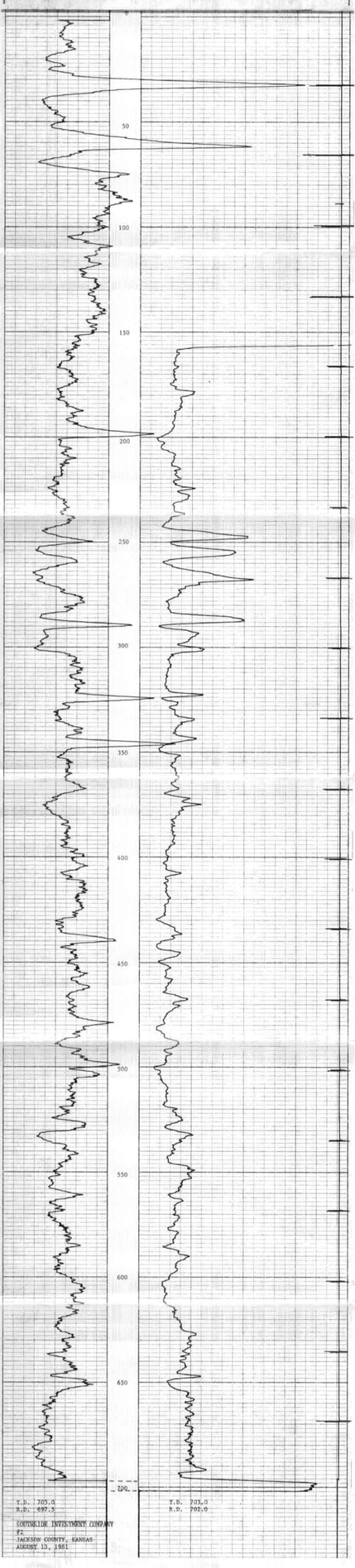
| RUN NO. | GENERAL DEPTHS FROM | TO | SPEED FT/MIN | T.C. SEC | SENS SETTINGS | GAMMA RAY ZERO DIV. I OR R | API G.R. UNITS PER LOG DIV. | T.C. SEC | NEUTRON SENS SETTINGS | ZERO DIV. I OR R | API N. UNITS PER LOG DIV. |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 0.0 | T.D. | 20 | 4.0 | 100/95 | 3-I | 10 | 4.0 | 500/100 | 2-R | 20 |

REFERENCE LITERATURE: 2 3/8" - NOT CEMENTED

REMARKS: DRILLING CONTRACTOR: H & H DRILLING

GAMMA RAY DEPTH NEUTRON

CASING COLLARS




T.D. 703.0
R.D. 697.5

T.D. 703.0
R.D. 702.0

SOUTHSIDE INVESTMENT COMPANY
#2
JACKSON COUNTY, KANSAS
AUGUST 13, 1981