G01316

**ENERGY RESOURCES, INC.**

Paola, Kansas 66071
410 N. Silver
913-294-5050

Lawrence, Kansas 66044
1203 Iowa
913-841-8886

FILING NO. 24-217 21141

COMPANY JONES BLAIR ENERGY INC.

WELL JB-19

FIELD Gristrup Lease

COUNTY VERNON, MISSOURI

RELEASED

LOCATION: 629.83 W to W/L sec & L.L. 1067.04 N to N/L sec.

SEC 35 TWP 37N RGE 33W. SE-SE 2cc

OTHER SERVICES:

PERMANENT DATUM GL ELEV. 834.9

LOG MEASURED FROM GL FT ABOVE PERM. DATUM

DRILLING MEASURED FROM GL

ELEV K.B. N/A
D.F. N/A
G.L. N/A

| | | |
|---|---|---|
| DATE | 3-26-82 | 3-26-82 |
| RUN NO | 1 NW | 1 NW |
| TYPE LOG | GAMMA RAY | NEUTRON |
| DEPTH-DRILLER | | |
| DEPTH-LOGGER | 241.0 | 241.0 |
| BOTTOM LOGGED INTERVAL | 235.5 | 240.0 |
| TOP LOGGED INTERVAL | 0.0 | 48.0 |
| TYPE FLUID IN HOLE | WATER | WATER |
| SALINITY, PPM CL | | |
| DENSITY | | |
| LEVEL | 48.0 | 48.0 |
| MAX. REC. TEMP., DEG F | | |
| OPERATING RIG TIME | | |
| RECORDED BY | MORGAN | MORGAN MO. OIL & GAS COUNCIL |
| WITNESSED BY | | |

RECEIVED SEP 16 1982

BORE-HOLE RECORD

| RUN NO. | BIT | FROM | TO |
|---|---|---|---|
| 1 | | | |

CASING RECORD

| SIZE | WGT. | FROM | TO |
|---|---|---|---|
| OPEN HOLE | | 0.0 | T.D. |

FOLD HERE

THIS HEADING AND ... CONFORMS TO API RP 33

## EQUIPMENT DATA

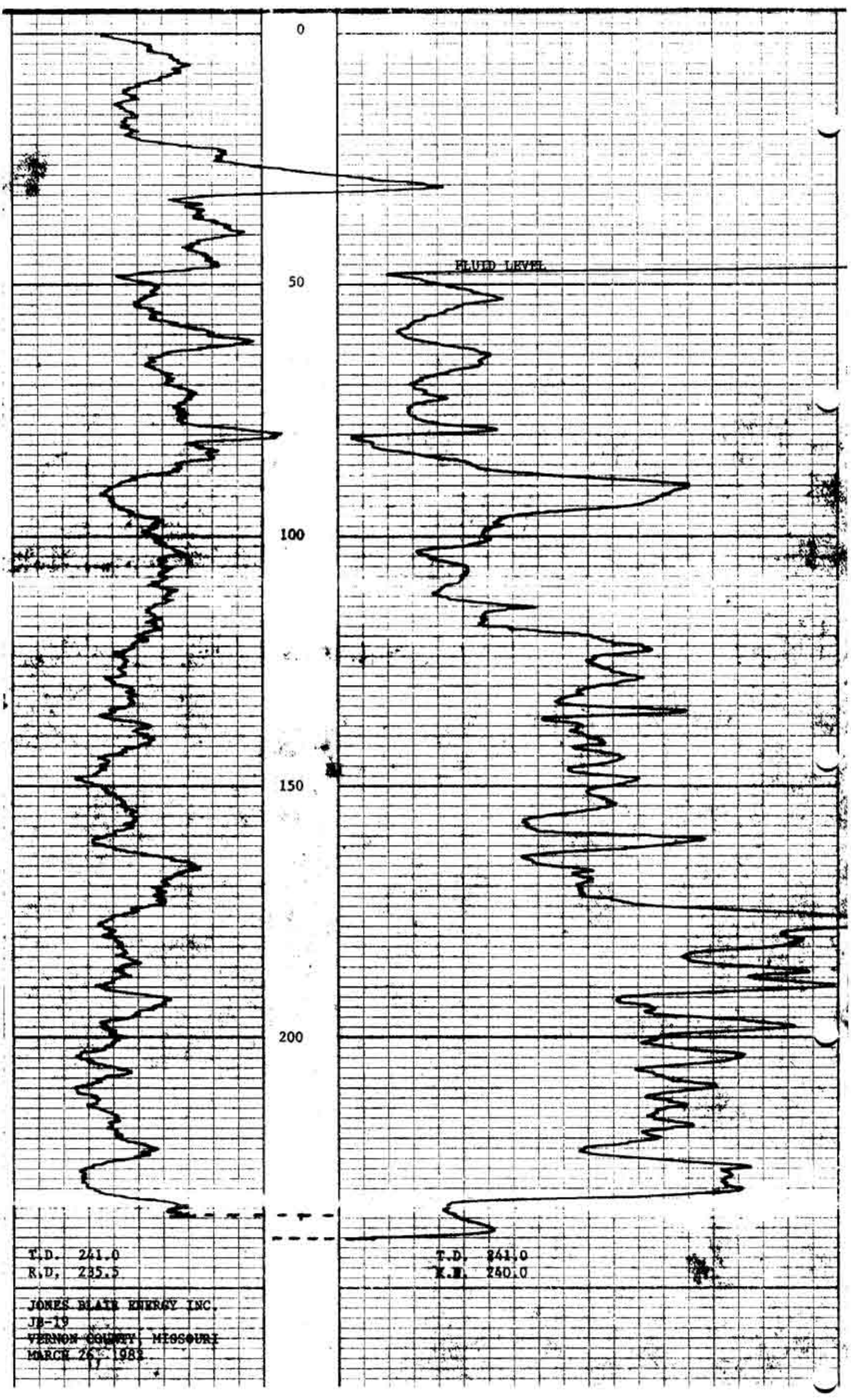
| GAMMA RAY | | NEUTRON | |
|---|---|---|---|
| RUN NO | 1 NW | RUN NO. | 1 NW |
| TOOL MODEL NO | 705 | LOG TYPE | NEU/NEU |
| DIAMETER | 1 11/16" | TOOL MODEL NO | 705 |
| DETECTOR MODEL NO | 705-GE | DIAMETER | 1 11/16" |
| TYPE | GEIGER | DETECTOR MODEL NO | 705 HE-3 |
| LENGTH | 1 3/8x18" | TYPE | HE |
| DISTANCE TO N. SOURCE | 4.5 | LENGTH | 1" x 6" |
| | | SOURCE MODEL NO | 71-1 |
| GENERAL | | SERIAL NO | 71-1-366B |
| HOIST TRUCK NO | 0020 | SPACING | 13" |
| INSTRUMENT TRUCK NO | 0020 | TYPE | AMBE-241 |
| TOOL SERIAL NO | 0002 | STRENGTH | 3 CI |

## LOGGING DATA

| GENERAL | | | | GAMMA RAY | | | | NEUTRON | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| RUN NO | DEPTHS FROM | DEPTHS TO | SPEED FT/MIN | T.C. SEC | SENS SETTINGS | ZERO DIV. L OR R | API G.R. UNITS PER LOG DIV | T.C. SEC | SENS SETTINGS | ZERO DIV. L OR R | API N. UNITS PER LOG DIV |
| 1 | 0.0 | T.D. | 20 | 4.0 | 100/160 | 0 | 10 | 3.0 | 500/120 | 4-L | 20 |

REFERENCE LITERATURE OPEN HOLE - NOT CEMENTED

REMARKS DRILLING CONTRACTOR: LAYNE WESTERN DRILLING

GAMMA RAY DEPTH NEUTRON

CASING COLLARS