# Schlumberger

# BOREHOLE COMPENSATED SONIC LOG

| | |
|---|---|
| COUNTY | BATES |
| FIELD | WILDCAT |
| LOCATION | SEC. 2-38N-29W |
| WELL | WILBURT RAPP NO. 1 |
| COMPANY | L & B LEASING, INC. |

COMPANY L & B LEASING, INC.

WELL WILBURT RAPP NO. 1

FIELD WILDCAT

COUNTY BATES STATE MISSOURI

LOCATION 434' 29' FSL & 414' 21' FEL

API SERIAL NO. | SEC. 2 | TWP. 38N | RANGE 29W

Other Services: DIL, CNL/FDC-GR

Permanent Datum: GROUND LEVEL ; Elev.: 780

Log Measured From G.L. ___ Ft. Above Perm. Datum

Drilling Measured From G.L.

Elev.: K.B. ___ D.F. ___ G.L. 780

| | | | | |
|---|---|---|---|---|
| Date | 1-27-81 | | | |
| Run No. | ONE | | | |
| Depth—Driller | 1768 | | | |
| Depth—Logger (Schl.) | 1767 | | | |
| Btm. Log Interval | 1761 | | | |
| Top Log Interval | 119 | | | |
| Casing—Driller | 8 5/8 @ 118 | @ | @ | @ |
| Casing—Logger | 119 | | | |
| Bit Size | 6 1/4 | | | |
| Type Fluid in Hole | POLYMER | | | |
| Dens. \| Visc. | | | | |
| pH \| Fluid Loss | ml | ml | ml | ml |
| Source of Sample | CIRCULATED | | | |
| Rm @ Meas. Temp. | 11 @ 63 °F | @ °F | @ °F | @ °F |
| Rmf @ Meas. Temp. | @ °F | @ °F | @ °F | @ °F |
| Rmc @ Meas. Temp. | @ °F | @ °F | @ °F | @ °F |
| Source: Rmf \| Rmc | | | | |
| Rm @ BHT | 8.55 @ 83 °F | @ °F | @ °F | @ °F |
| Time: Circulation Stopped | 2200 1-26 | | | |
| Time: Logger on Bottom | 0330 1-27 | | | |
| Max. Rec. Temp. | 83 °F | °F | °F | °F |
| Equip. \| Location | 7756 \| WICHITA | | | |
| Recorded By | BEECHER | | | |
| Witnessed By Mr. | O'BRIEN | | | |

RECEIVED AUG 18 1982 MO. OIL & GAS COUNCIL

FOLD HERE The well name, location and borehole reference data were furnished by the customer.

| | | | | |
|---|---|---|---|---|
| Run No. | ONE | | | |
| Service Order No. | 206062 | | | |
| Fluid Level | SURFACE | | | |

| EQUIPMENT DATA | | | | |
|---|---|---|---|---|
| Sonic Panel No. | JH-137 | | | |
| Sonic Cart No. | FA-683 | | | |
| Sonic Sonde No. | RB-5 | | | |
| Mem. Panel No. | CA-609 | | | |
| G.R. Cart. No. | JAA-426 | | | |
| G.R. Panel No. | CA-609 | | | |
| Caliper No. | | | | |
| TTR No. | EB-1897 | | | |
| Centralizers: No. | | | | |
| Type | | | | |
| Standoffs: No. | 6 | | | |
| Type | TAPE | | | |
| Time Const.-Sec. | AUTO | | | |
| Speed - F.P.M. | 3600 FPH | | | |

| CALIBRATION DATA | | | |
|---|---|---|---|
| GR | BKG. CPS | 214 | |
| | Source CPS | 700 | |
| | Tc Sec | AUTO | |

SCALE CHANGES

| Type Log | Depth | Scale Up Hole | Scale Down Hole |
|---|---|---|---|
| | | | |

LOGGING DATA

| Porosity Selectors: Δtm | Δtf | Cp | Ø Scale | Depth From | Depth To |
|---|---|---|---|---|---|
| 43.5 | 189 | 1 | -15/45 | 1761 | 119 |

REMARKS

Velocity (ft/sec) = 1,000,000 / Interval Transit Time (microseconds per foot)

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

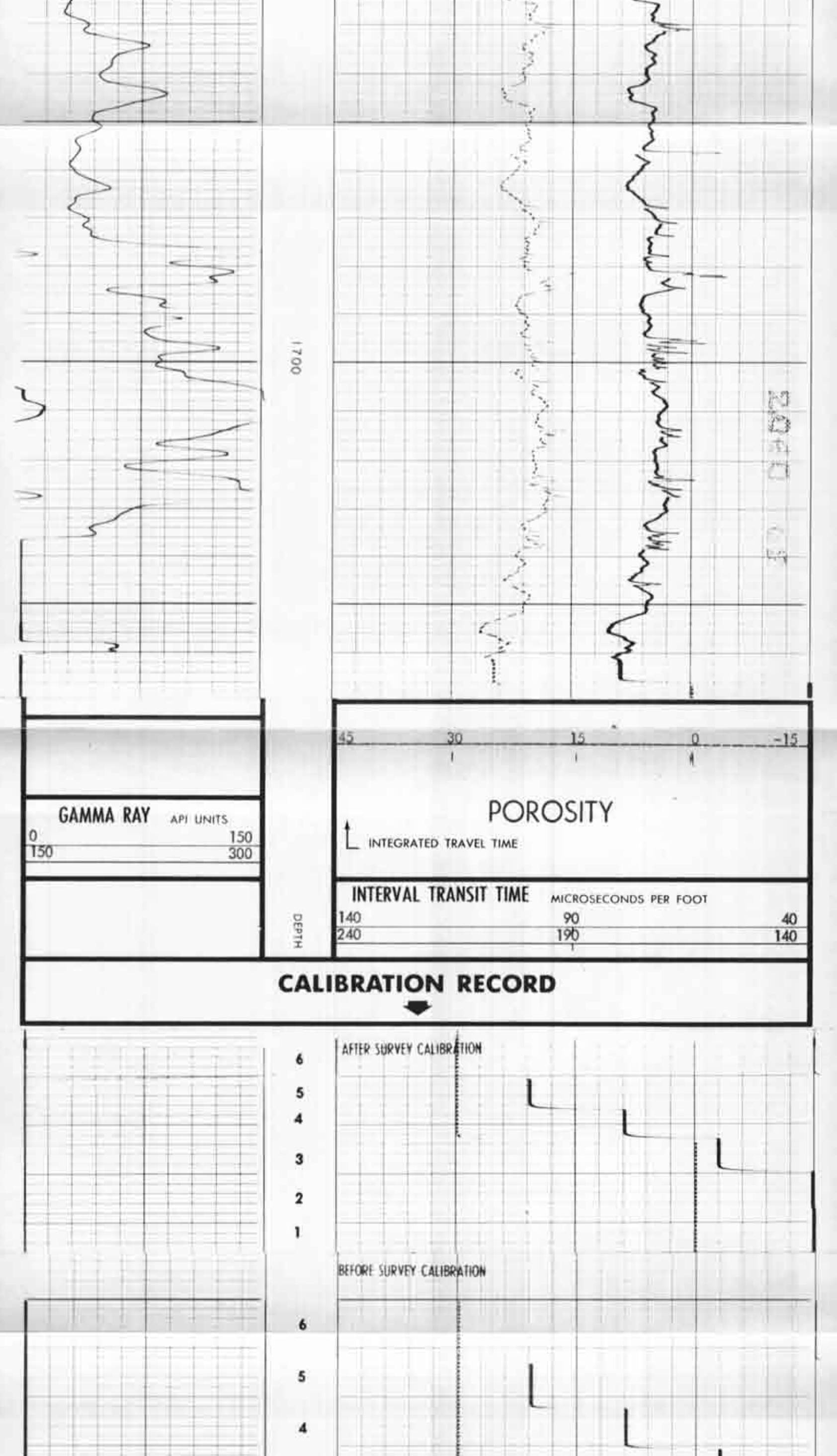
GAMMA RAY API UNITS 0 — 150

DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT 140 — 90 — 40; 240 — 190 — 140

POROSITY

REPEAT SECTION



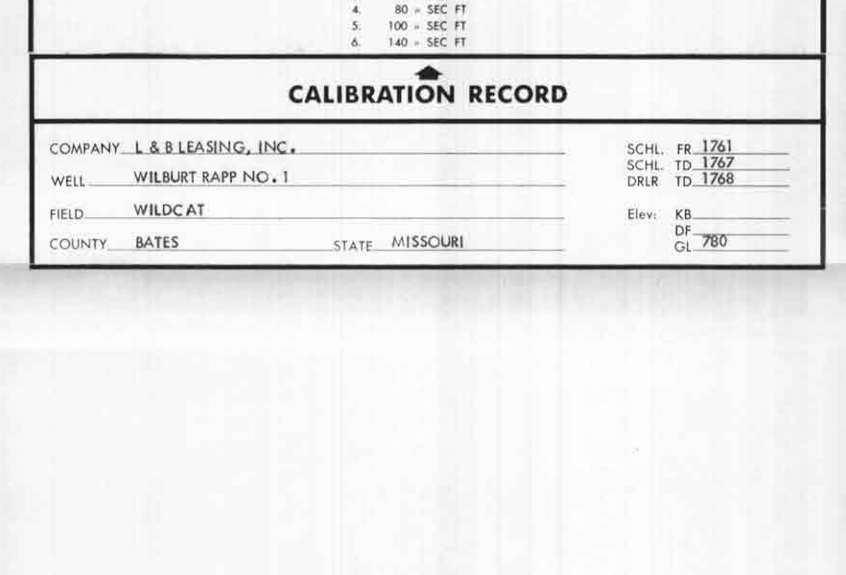

GAMMA RAY API UNITS 0 — 150; 150 — 300

POROSITY 45 30 15 0 -15

INTEGRATED TRAVEL TIME

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT

CALIBRATION RECORD




BOREHOLE COMPENSATED SONIC CALIBRATION CODING

1. MECHANICAL ZERO
2. 40 μSEC/FT
3. 60 μSEC/FT
4. 80 μSEC/FT
5. 100 μSEC/FT
6. 140 μSEC/FT

CALIBRATION RECORD

COMPANY L & B LEASING, INC. SCHL. FR 1761

WELL WILBURT RAPP NO. 1 SCHL. TD 1767

DRLR TD 1768

FIELD WILDCAT Elev: KB ___ DF ___ GL 780

COUNTY BATES STATE MISSOURI