COUNTY LAKE
FIELD or LOCATION LAKEVIEW AREA
18 - 36S - 18E
WELL THOMAS CREEK UNIT, BLOCK III, NO. 1
COMPANY HUMBLE OIL AND REFINING COMPANY

# SCHLUMBERGER WELL SURVEYING CORPORATION

HOUSTON, TEXAS

## Sonic Log

COMPANY HUMBLE OIL AND REFINING COMPANY
WELL THOMAS CREEK UNIT, ~~BLOCK III, NO.~~ 1
FIELD LAKEVIEW AREA
LOCATION 18 - 36S - 18E
COUNTY LAKE
STATE OREGON

Other Surveys SL (I-ES, FT,) (GRN)

Location of Well 400 FT. NORTH AND 925 FT. WEST OF E/4 CORNER

TWO INCH SCALE

Elevation: K.B.: 5235.3
D.F.:
or G.L.: 5222

Log Depths Measured From K.B. 13.3 Ft. above G.L.

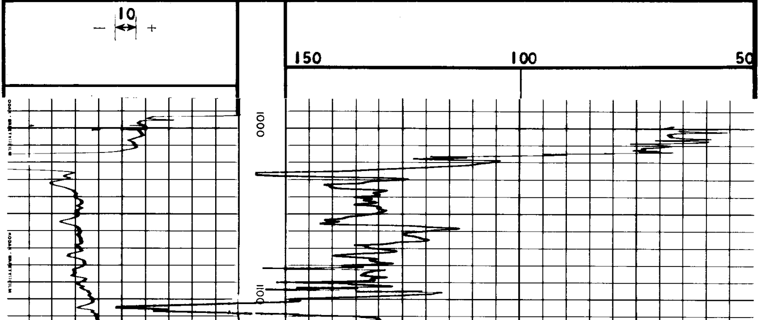
| | | | |
|---|---|---|---|
| RUN No. | ONE | TWO | |
| Date | 9-3-60 | 10-21-60 | |
| First Reading | 8636 | 11804 | |
| Last Reading | 1014 | 8636 | |
| Feet Measured | 7622 | 3167 | |
| Csg. Schlum. | 1014 | - | |
| Csg. Driller | 1014 | 1014 | |
| Depth Reached | 8639 | 11808 | |
| Bottom Driller | 8652 | 12093 | |
| Mud Nat. | GEL. | GEL. | |
| Dens. \| Visc. | 67.5 \| 47 | 9 \| 50 | \| |
| Mud Resist. | 7.1 @ 67 °F | 4.4 @ 78 °F | @ °F |
| " Res. BHT | 2.55 @ 189 °F | 1.55 @ 220 °F | @ °F |
| " pH | 8 @ 67 °F | 8 @ 78 °F | @ °F |
| " Wtr. Loss | 22 CC 30 min | 20 CC 30 min | CC 30 min |
| " Rmf (c) | 2.25 @ 189 °F | 1.30 @ 220 °F | @ °F |
| Bit Size | 10 5/8" | 10 5/8" | |
| Spacing: | | | |
| T 3' R₁ 3' R₂ | 8636 To 1014 | 11804 To 8636 | To |
| T R₁ R₂ | To | To | To |
| Opr. Rig Time | 3 1/2 HOURS | 3 HOURS | |
| Truck No. | 2507 SAC | 2507 SAC | |
| Recorded By | STRONG | STRONG | |
| Witness | THOMAS | THOMAS | |

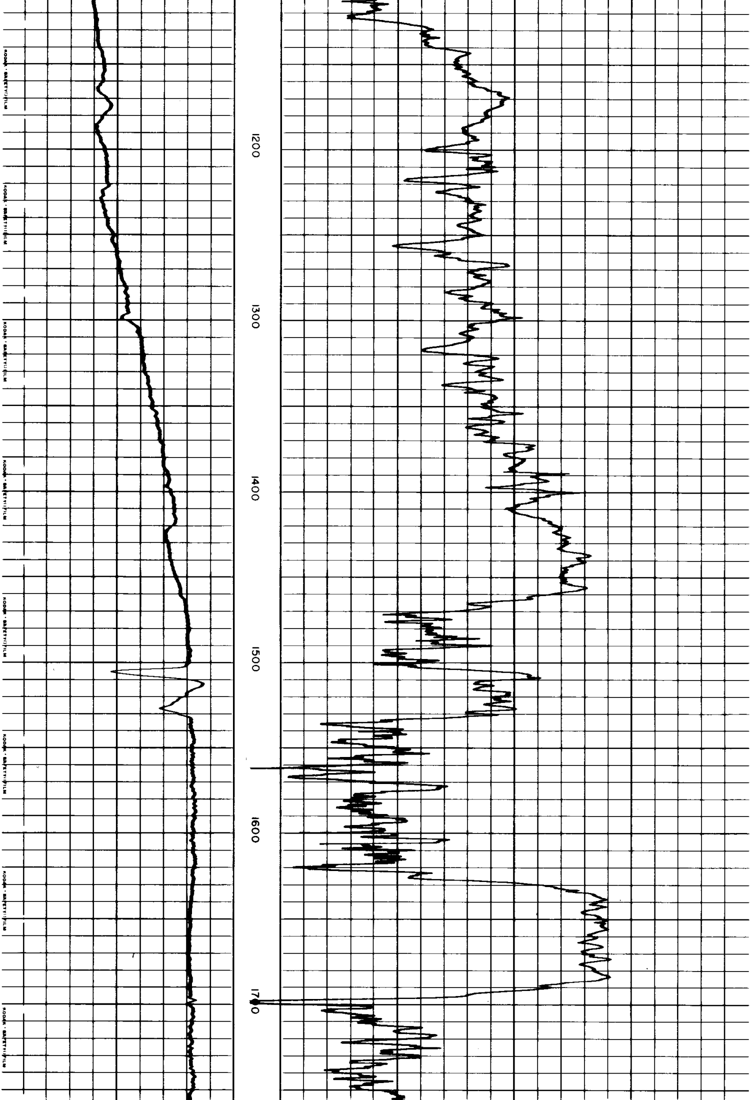
FOLD HERE

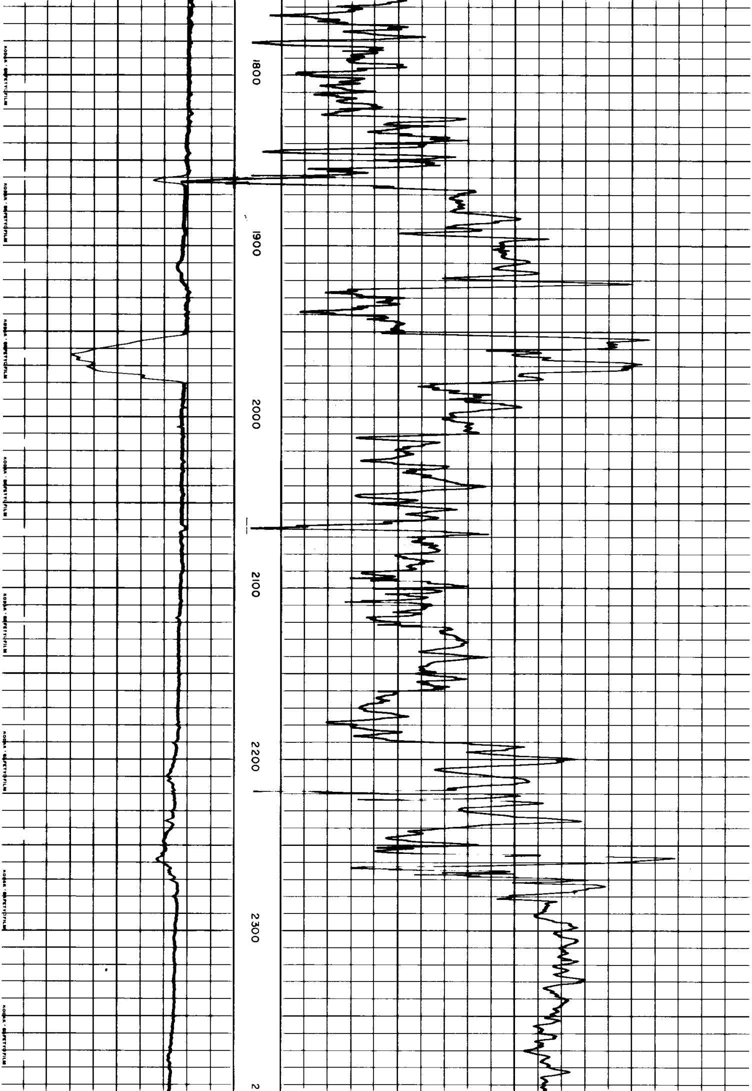
REMARKS VLC No.: B 42
VLS No.: B 33 RUN TWO - 11825 TOP OF FISH
VLP No.: B 78
RUNS ONE AND TWO
STANDARD CENTRALIZERS USED - RUNS ONE AND TWO

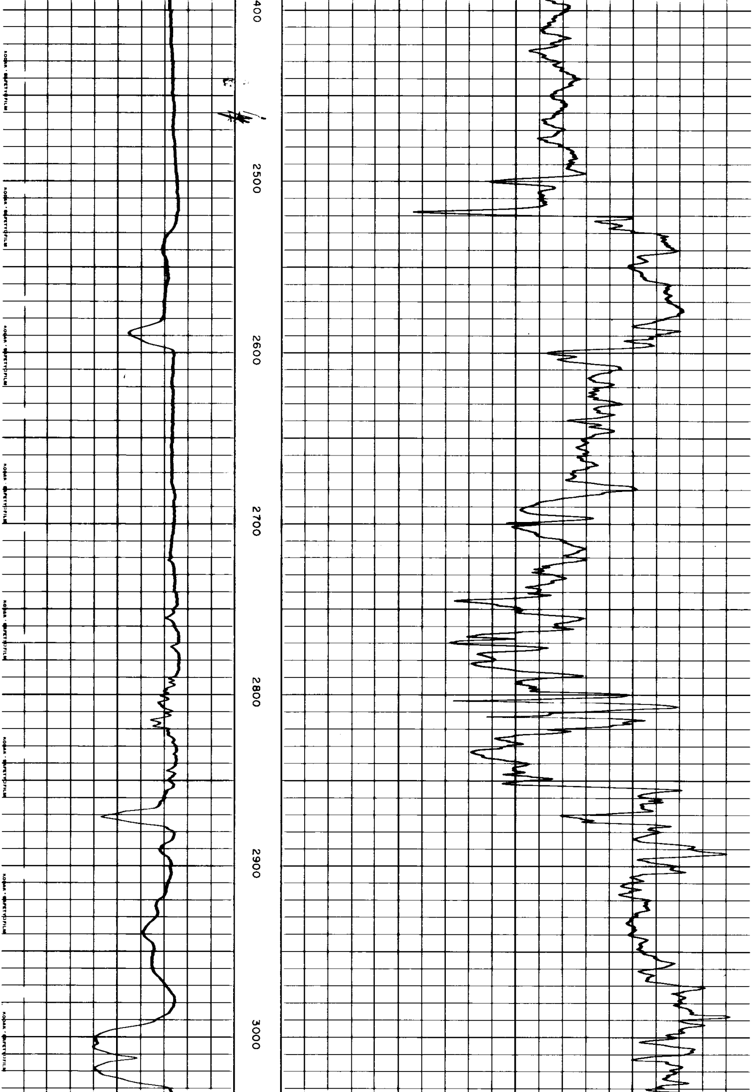
$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

| SPONTANEOUS-POTENTIAL millivolts | DEPTHS | INTERVAL TRANSIT TIME microseconds per foot ← Increases T 3' R₁ 3' R₂ |
|---|---|---|

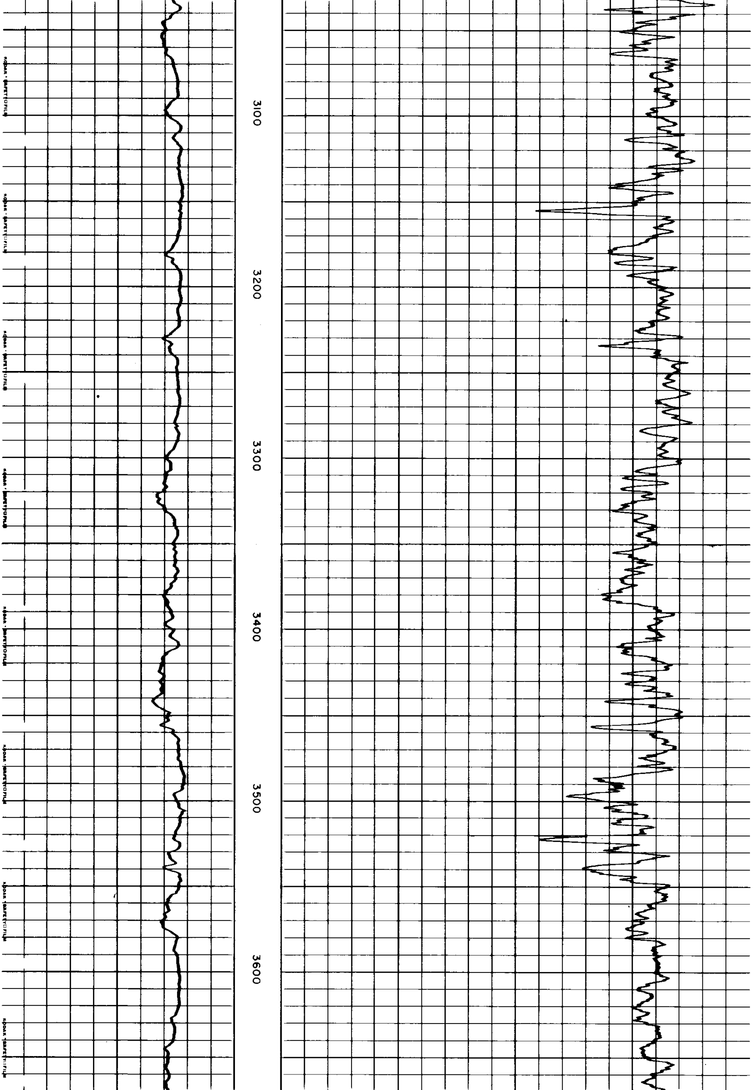


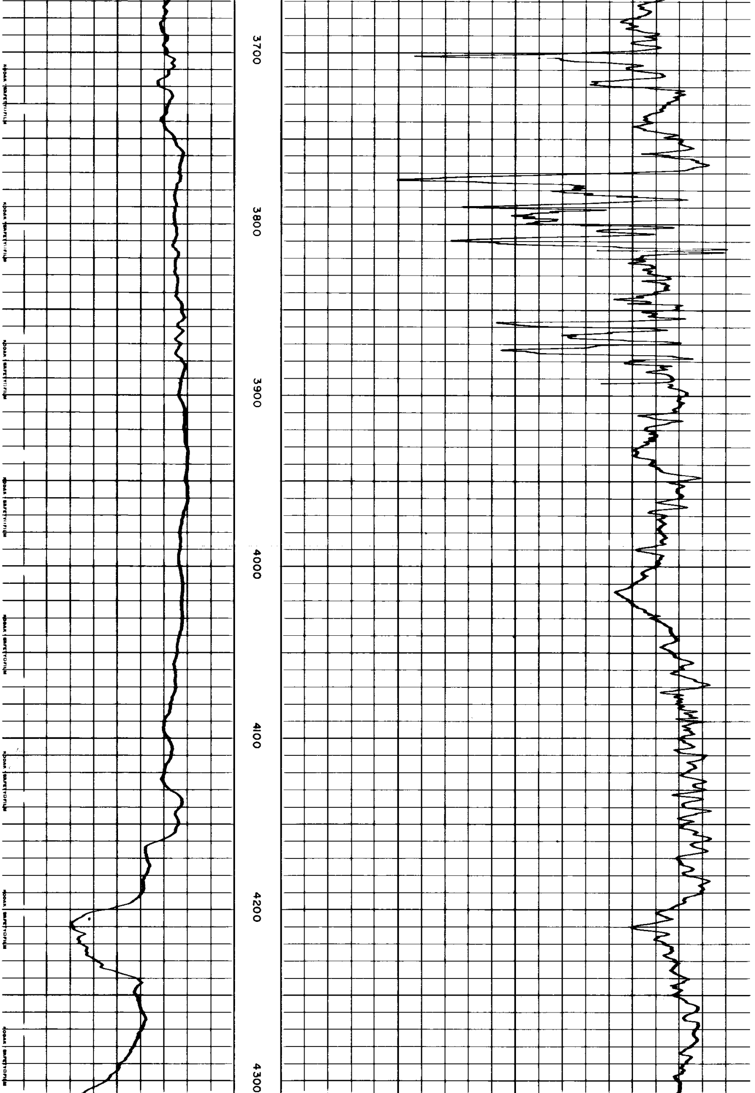


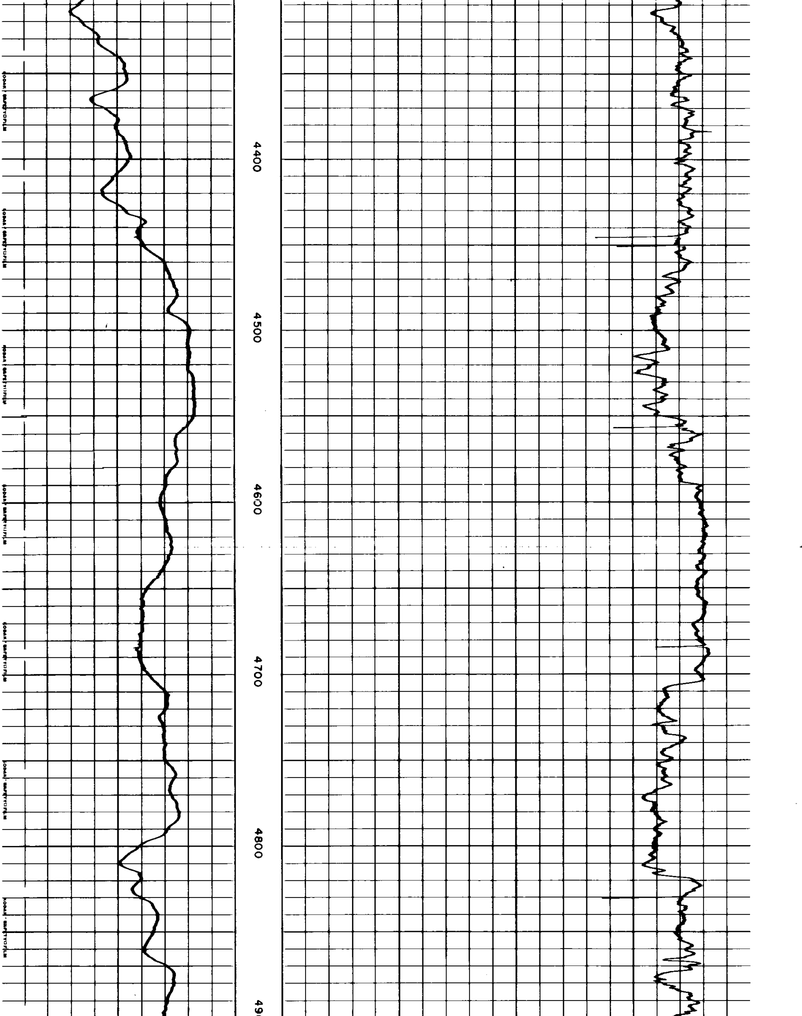


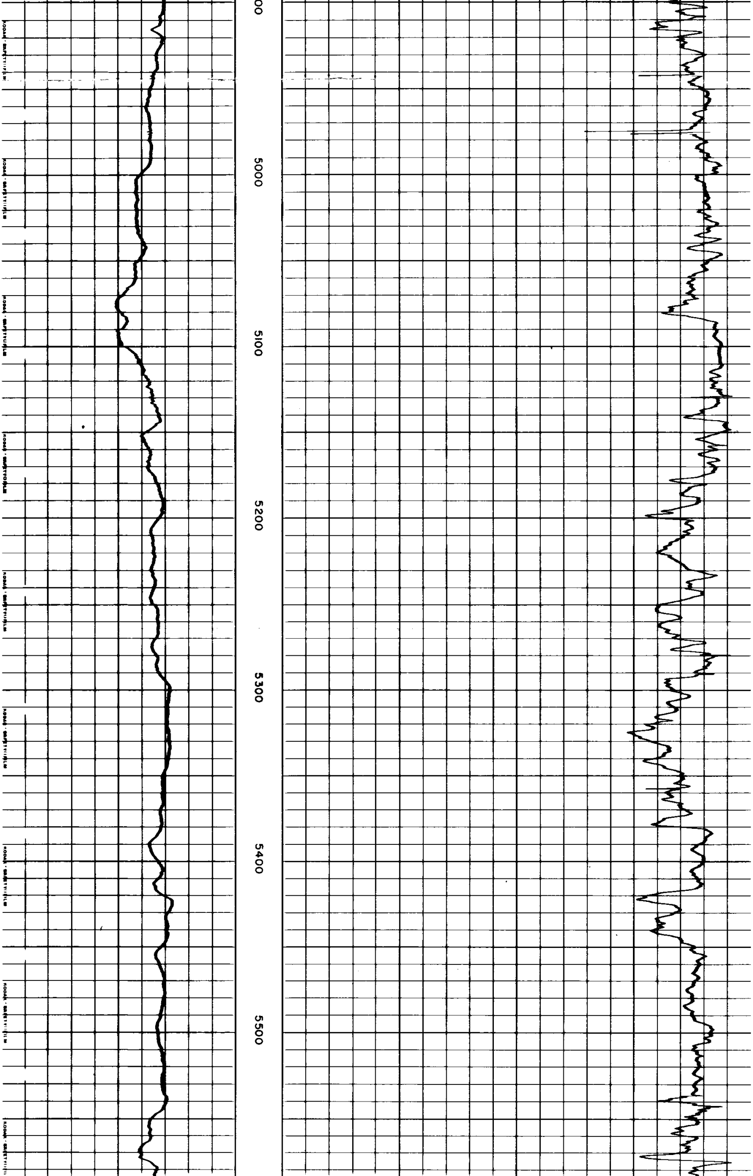


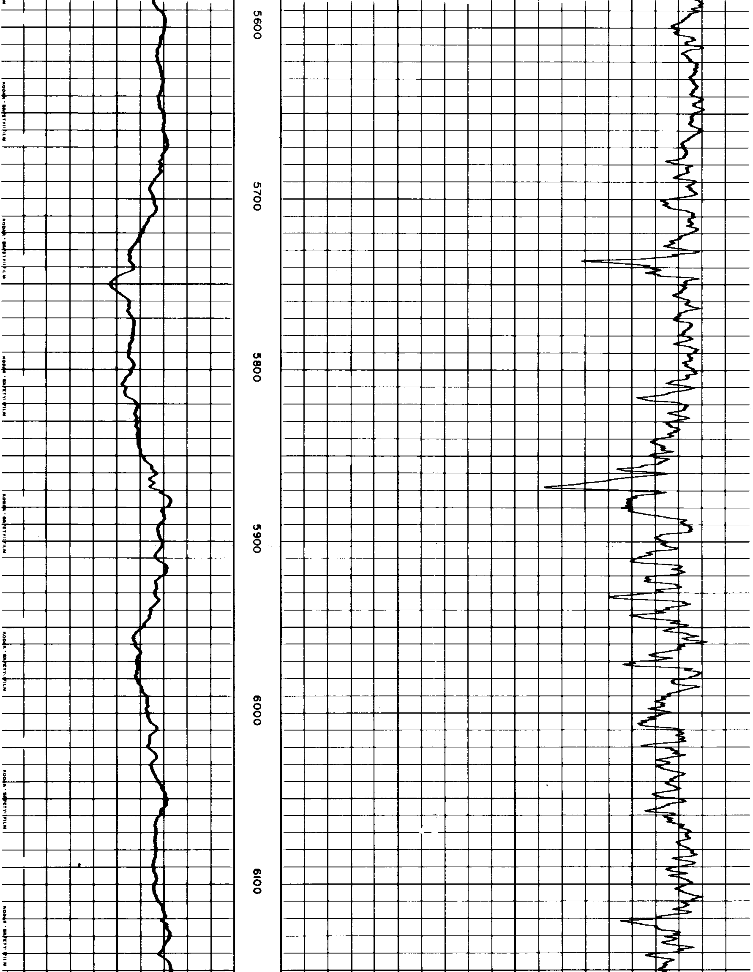
KODAK · SAFETY FILM

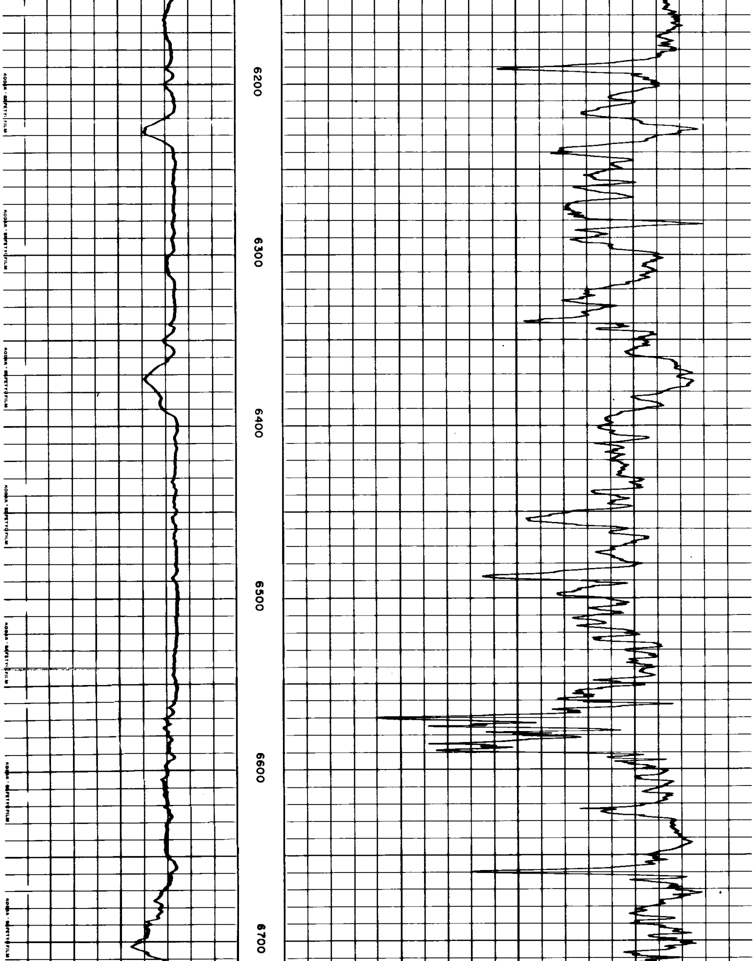


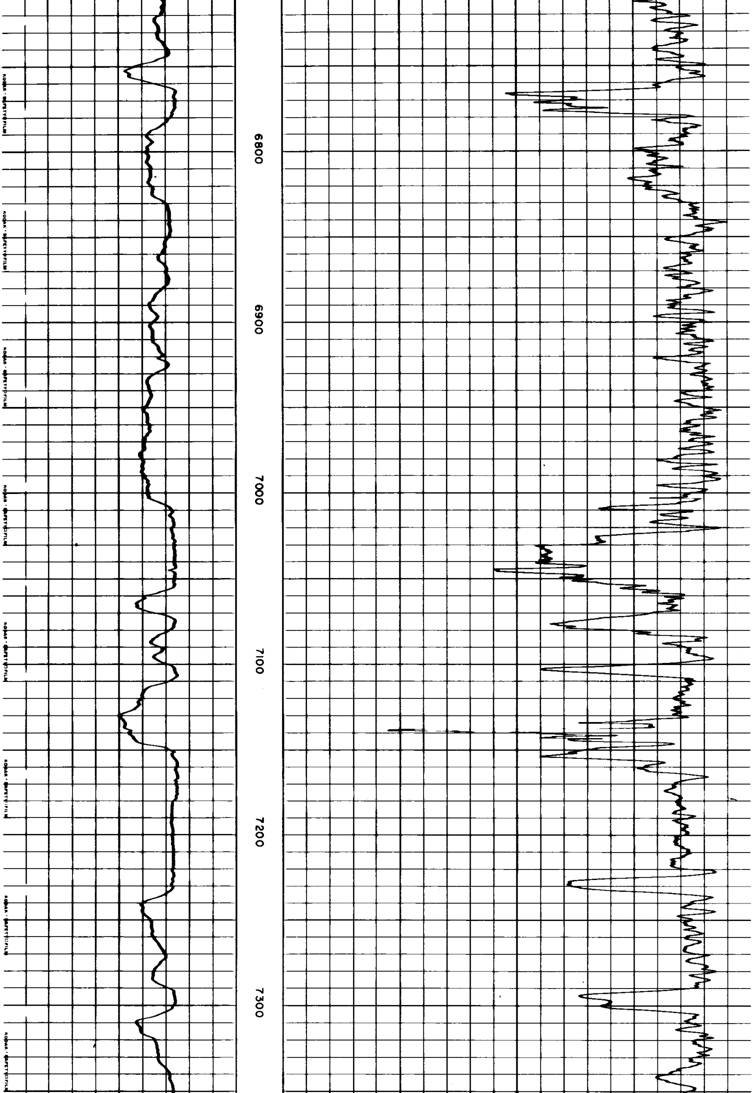












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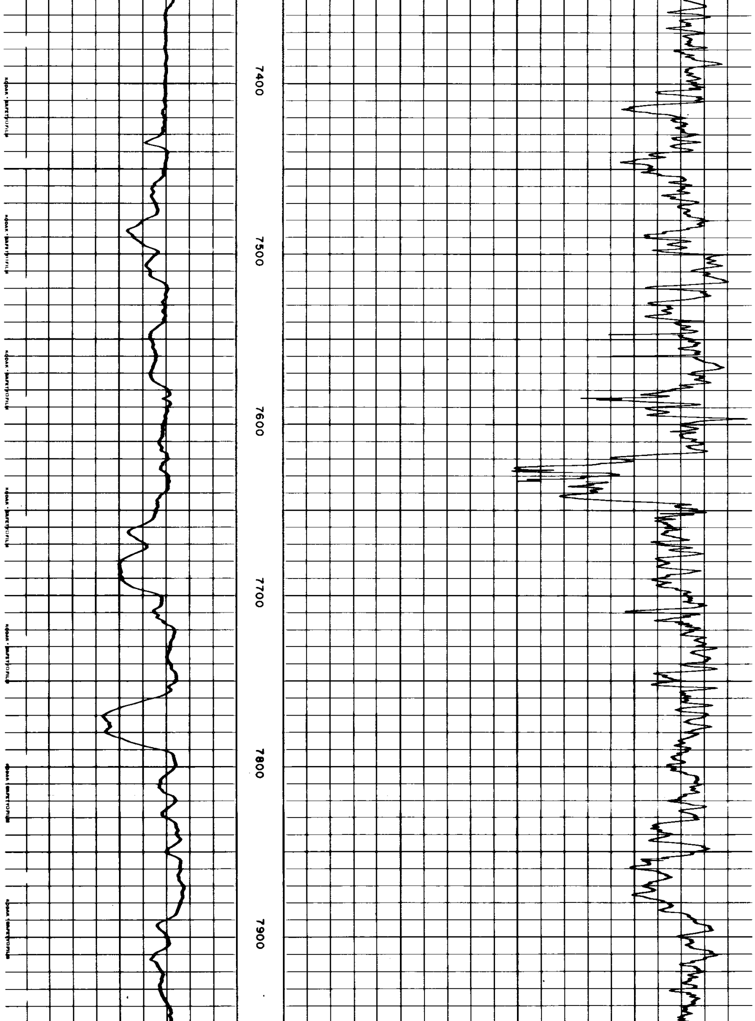

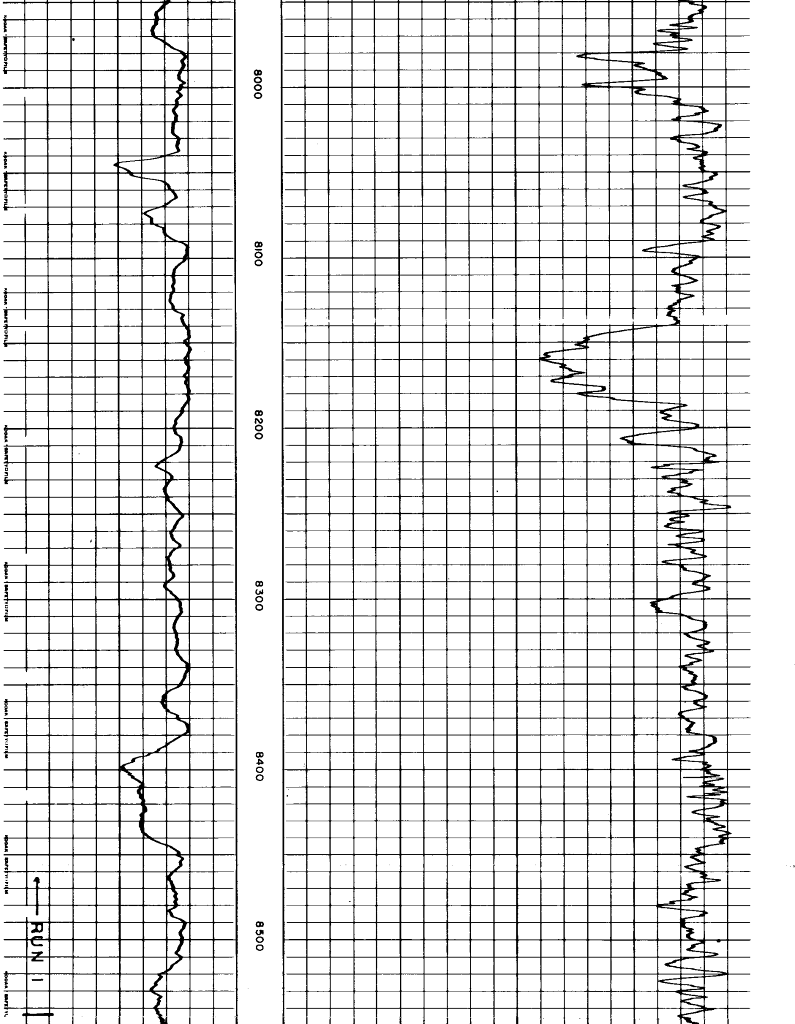

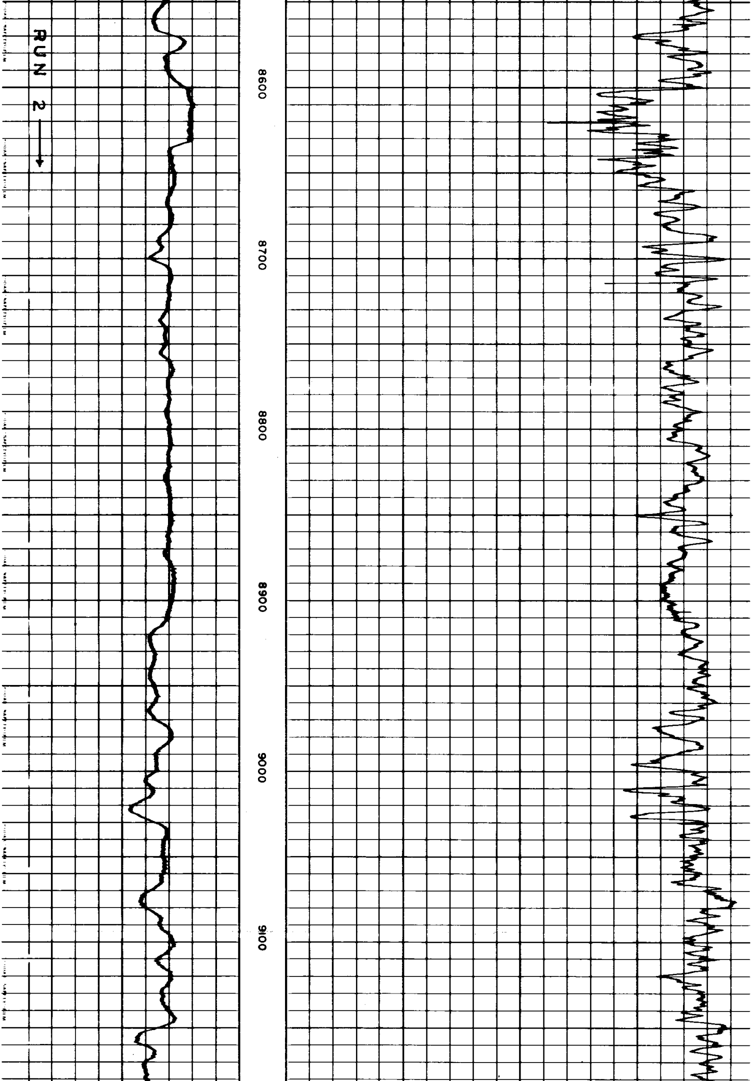

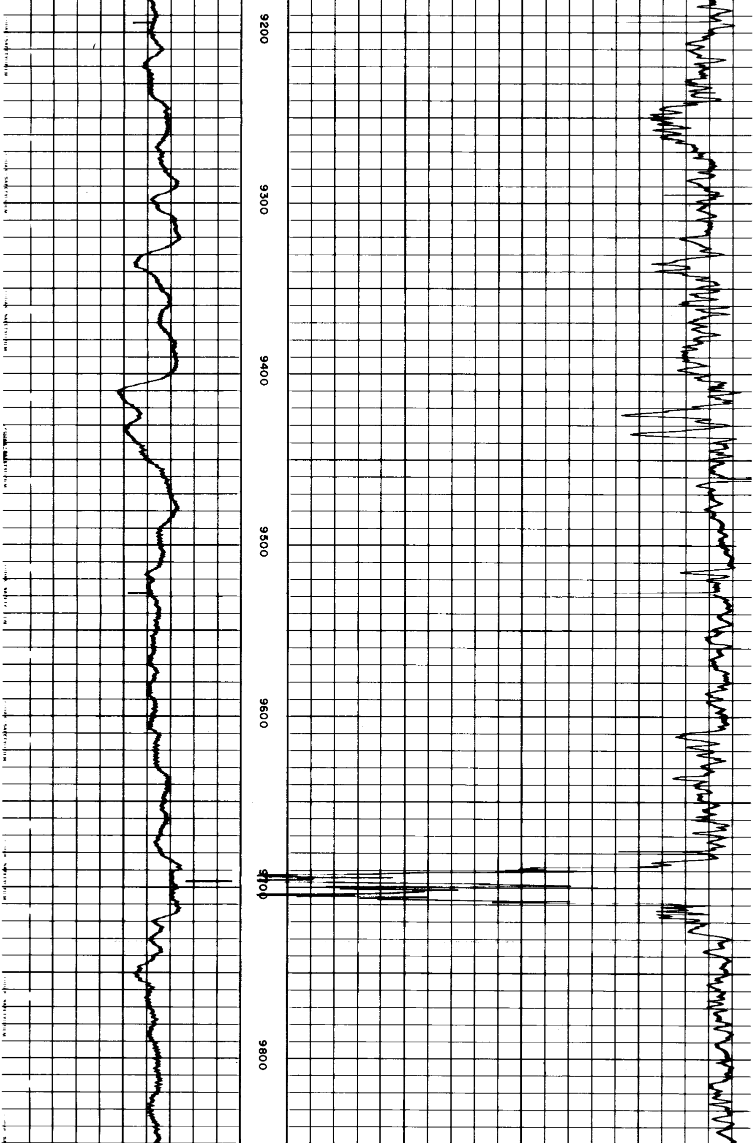

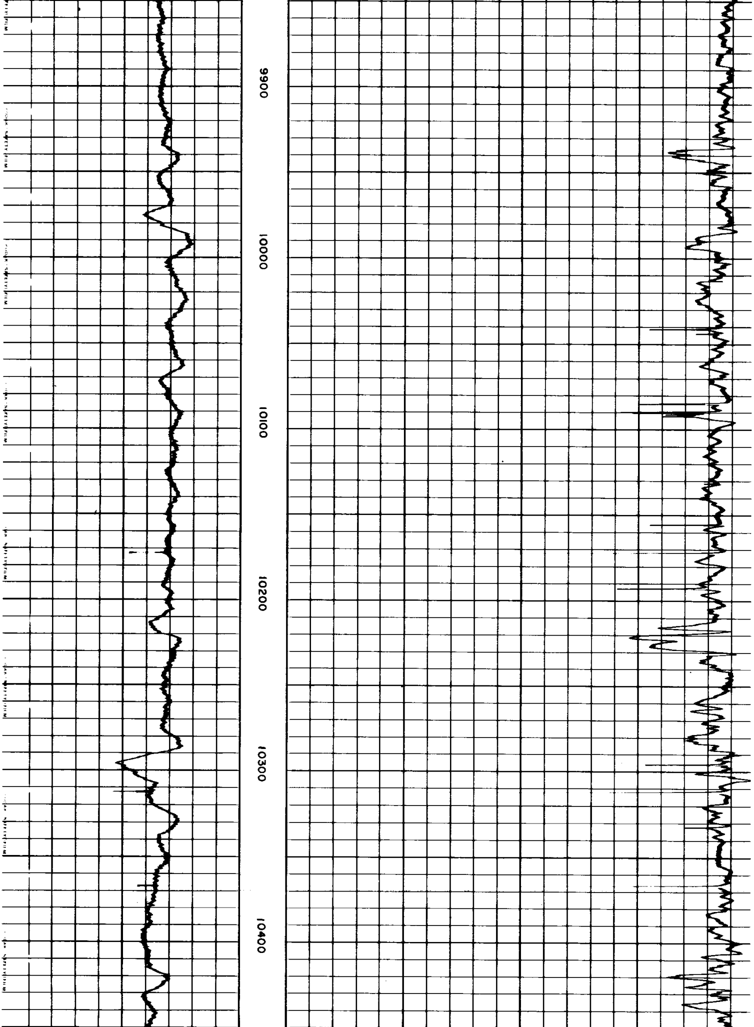

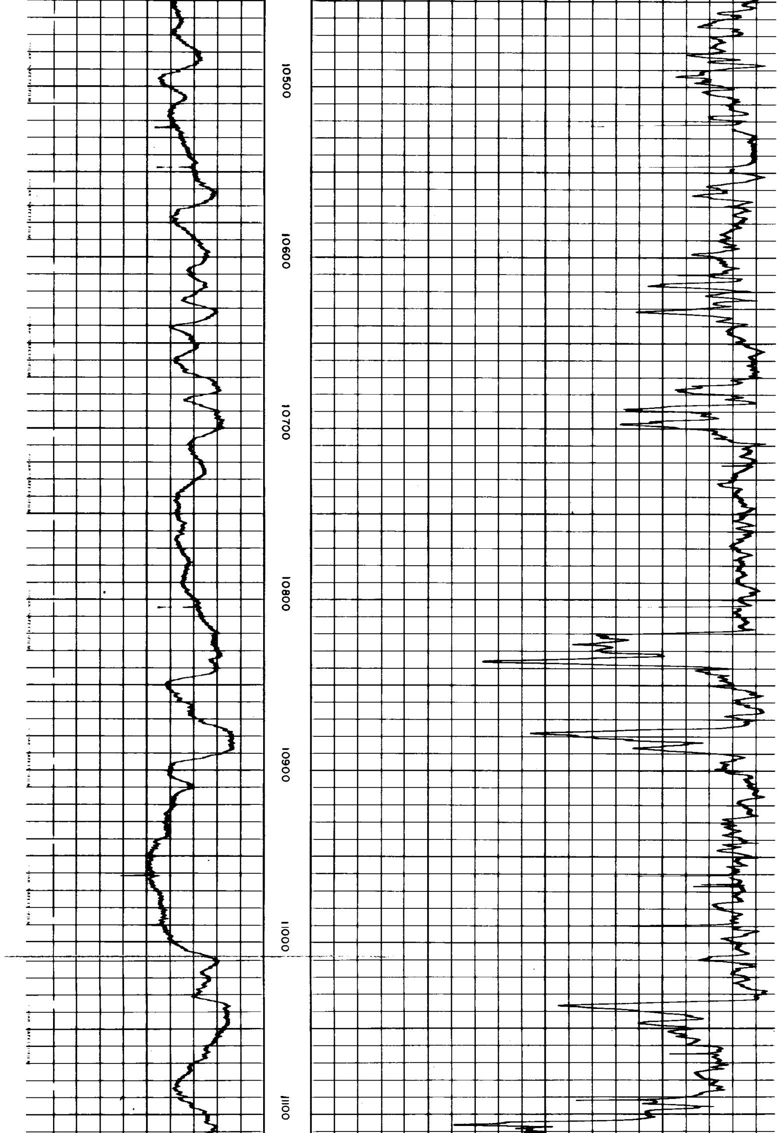

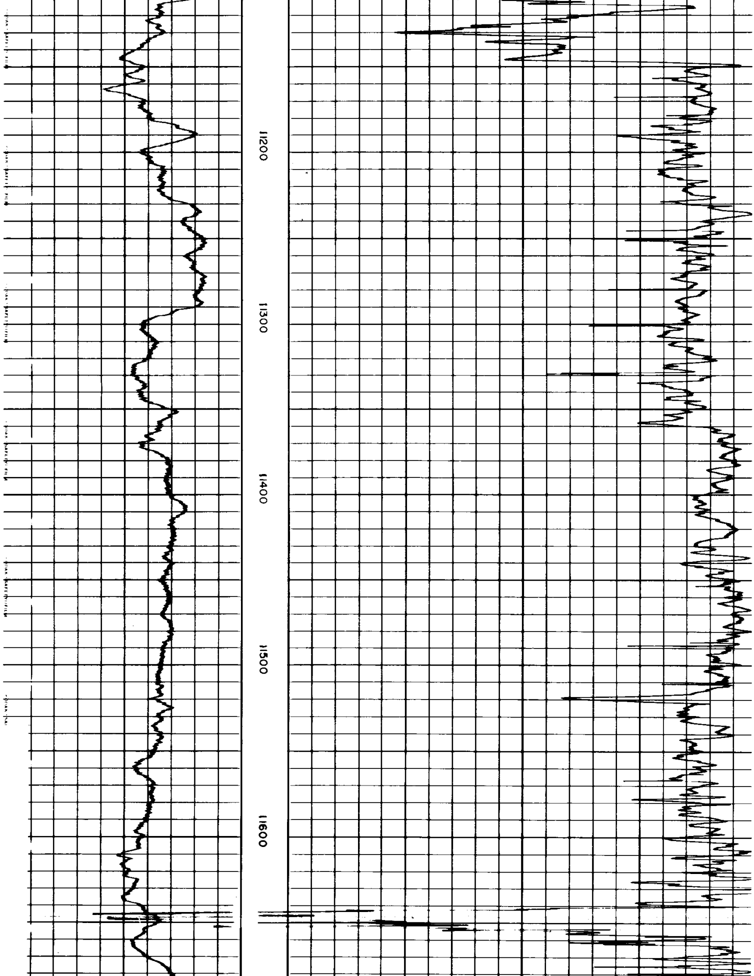

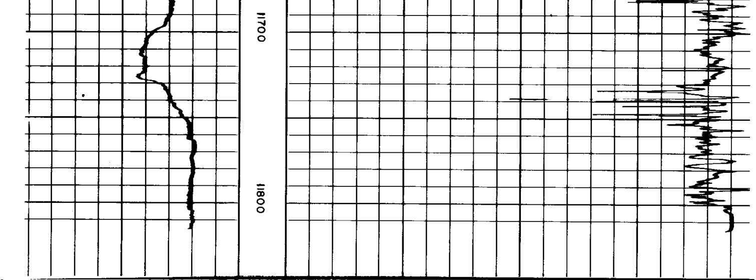

| | | |
|---|---|---|
| 10<br>– ↔ + | | 150 100 50 |
| SPONTANEOUS-POTENTIAL<br>millivolts | | INTERVAL TRANSIT TIME<br>microseconds per foot<br>← Increases<br>Span: THREE Ft.; 2 Receivers |
| | DEPTHS | |

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FIELD **LAKEVIEW AREA** LOCATION **18 - 36S - 18E**

COUNTY **LAKE** STATE **OREGON**

Rm **4.4** @ **78** F

Rmf **1.30** @ **220** F

BHT **220** F

SWSC FR **11804**

SWSC TD **11808**

DRLR TD **12093**

Elev:

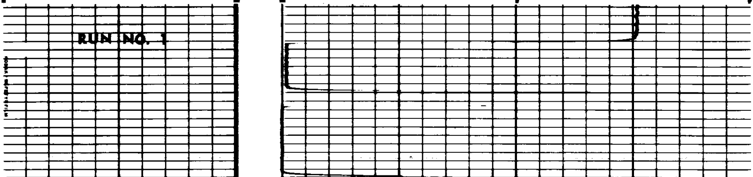
KB **5235.3**

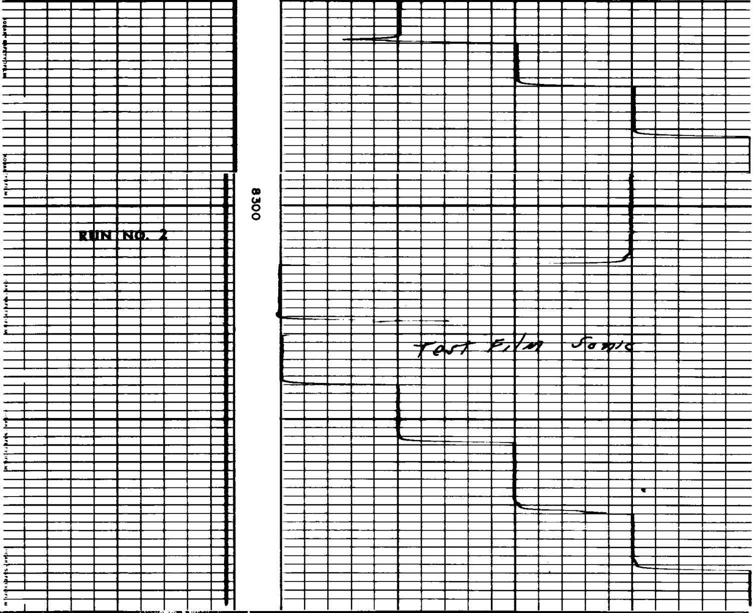
DF

GL **5222**

## SONIC CALIBRATION AFTER SURVEY

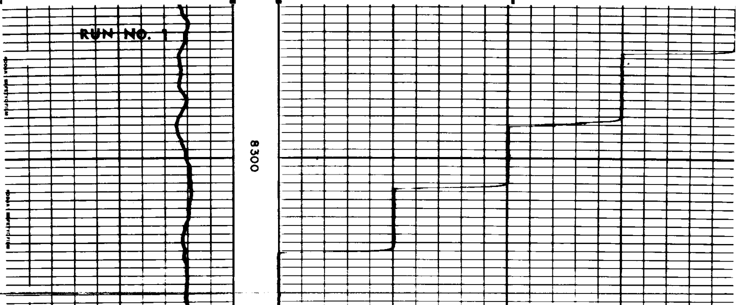
| | | |
|---|---|---|
| | STEPS | INTERVAL TRANSIT TIME<br>microseconds per foot |
| | | 150 100 50 |

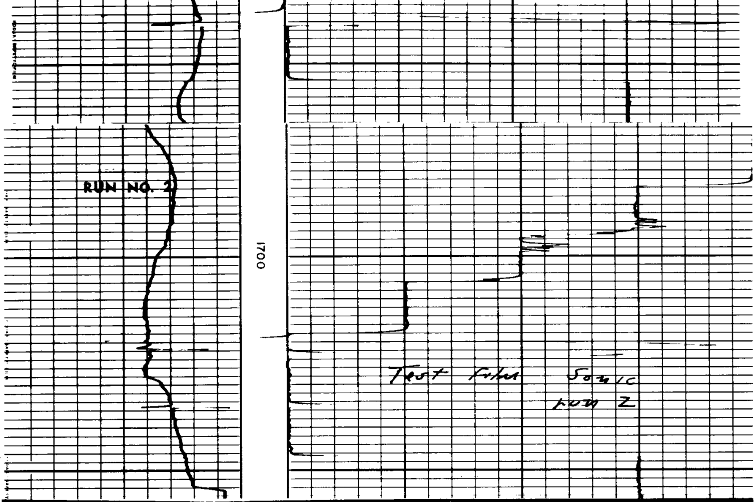




SONIC CALIBRATION BEFORE SURVEY

| | STEPS | INTERVAL TRANSIT TIME<br>microseconds per foot |
|---|---|---|
| | | 150 100 50 |





Test After Sonic
run 2

## CALIBRATION STEPS

Sonic Calibration Before and After Survey

ONE FOOT SPAN— 1) 75 Microseconds Per Foot Signal
2) 150 Microseconds Per Foot Signal
3) 225 Microseconds Per Foot Signal

THREE FOOT SPAN— 4) 200 Microseconds Per Foot Signal
5) 175 Microseconds Per Foot Signal
6) 150 Microseconds Per Foot Signal
7) 125 Microseconds Per Foot Signal
8) 100 Microseconds Per Foot Signal
9) 75 Microseconds Per Foot Signal
10) 50 Microseconds Per Foot Signal

Integrator Calibration After Survey

11) 100 Microseconds Per Foot Signal
12) 50 Microseconds Per Foot Signal

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