Scanned

**SCHLUMBERGER**

# BOREHOLE COMPENSATED SONIC LOG (WITH CALIPER)

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY TEXACO INC.

WELL TEXACO FEDERAL #1
FIELD WILDCAT
COUNTY CROOK STATE OREGON

LOCATION 1605' N & 1036' E fr. S.W. COR. W.B.&M
Sec. 31 Twp. 17S Rge. 23E

Other Services:
IES, FDC-GR, SNP, HDT, CST.

Permanent Datum: G.L., Elev. 4006
Log Measured From KB, 20.4 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 4026.4
D.F. –
G.L. 4006

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Date | 10-11-71 | | | | | | | |
| Run No. | ONE | | | | | | | |
| Depth—Driller | 3995 | | | | | | | |
| Depth—Logger | 3995 | | | | | | | |
| Btm. Log Interval | 3994 | | | | | | | |
| Top Log Interval | 1022 | | | | | | | |
| Casing—Driller | 16" @1022 | | @ | | @ | | @ | |
| Casing—Logger | 1022 | | | | | | | |
| Bit Size | 12¼ | | | | | | | |
| Type Fluid in Hole | Fresh | | | | | | | |
| Dens. \| Visc. | 77 | 41 | | | | | | |
| pH \| Fluid Loss | 7 | 10.8 ml | | ml | | ml | | ml |
| Source of Sample | CIRC. | | | | | | | |
| $R_m$ @ Meas. Temp. | 3.51 @67 °F | | @ °F | | @ °F | | @ °F | |
| $R_{mf}$ @ Meas. Temp. | 5.08 @62 °F | | @ °F | | @ °F | | @ °F | |
| $R_{mc}$ @ Meas. Temp. | 4.28 @62 °F | | @ °F | | @ °F | | @ °F | |
| Source: $R_{mf}$ $R_{mc}$ | M | M | | | | | | |
| $R_m$ @ BHT | 2.2 @135 °F | | @ °F | | @ °F | | @ °F | |
| Time Since Circ. | 135 | | | | | | | |
| Max. Rec. Temp. | 5 °F | | °F | | °F | | °F | |
| Equip. \| Location | 5106 | COAL | | | | | | |
| Recorded By | [illegible] | | Anderson | | | | | |
| Witnessed By | HUGHS | | | | | | | |

SWS—1384-C

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

REMARKS

| Changes in Mud Type or Additional Samples | | | | |
|---|---|---|---|---|
| Date \| Sample No. | | | | |
| Depth—Driller | | | | |
| Type Fluid in Hole | | | | |
| Dens. \| Visc. | | | | |
| ph \| Fluid Loss | | ml | | |
| Source of Sample | | | | |
| $R_m$ @ Meas. Temp. | @ | °F | @ | °F |
| $R_{mf}$ @ Meas. Temp. | @ | °F | @ | °F |
| $R_{mc}$ @ Meas. Temp. | @ | °F | @ | °F |
| Source: $R_{mf}$ \| $R_{mc}$ | | | | |
| $R_m$ @ BHT | @ | °F | @ | °F |
| $R_{mf}$ @ BHT | @ | °F | @ | °F |
| $R_{mc}$ @ BHT | @ | °F | @ | °F |

Scale Changes

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

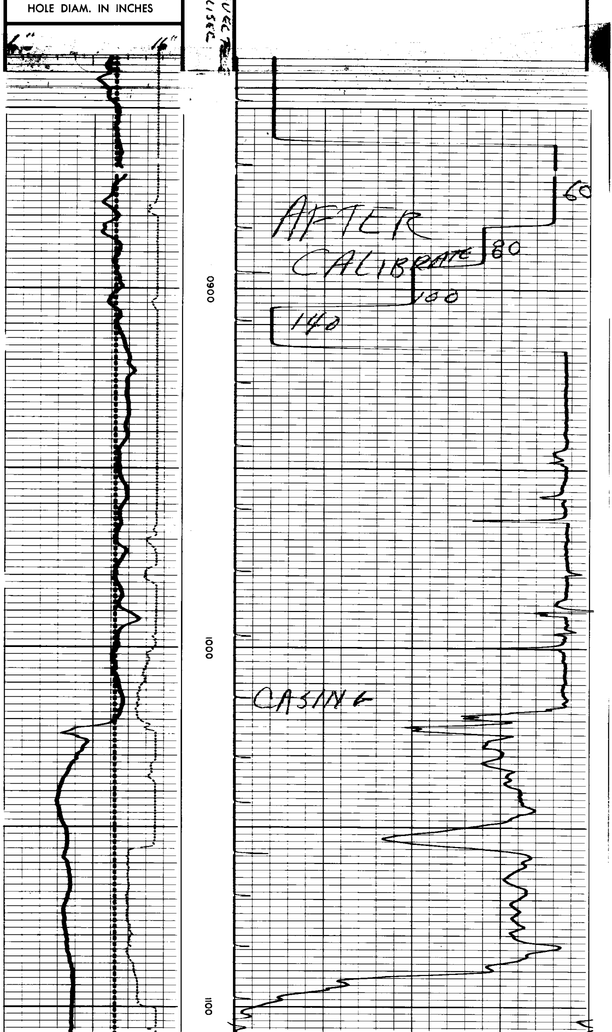
Equipment Data

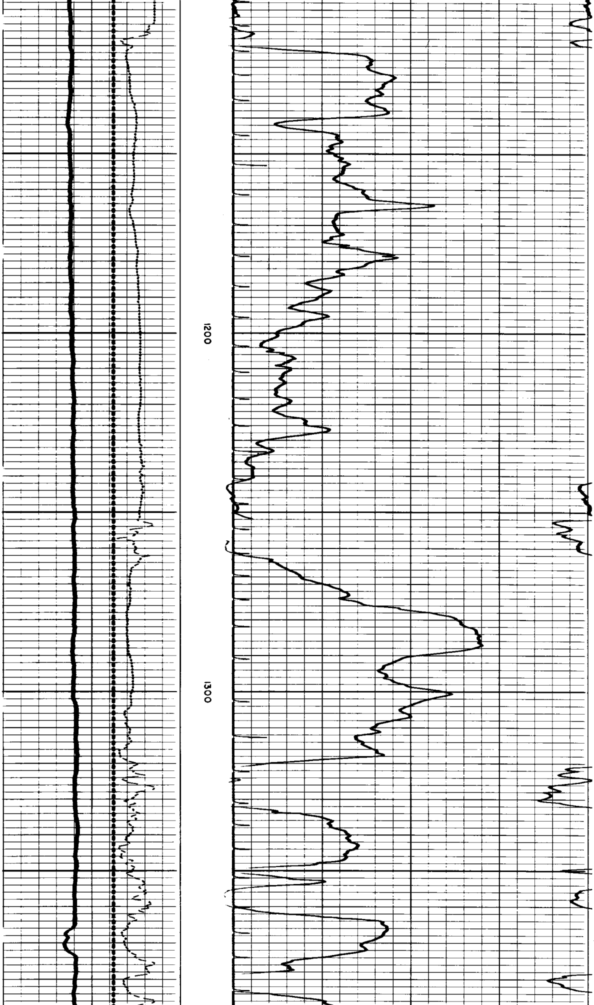
| Run No. | Tool Type | Tool Position | Other |
|---|---|---|---|
| ONE | SLT-A | CENTERED | |

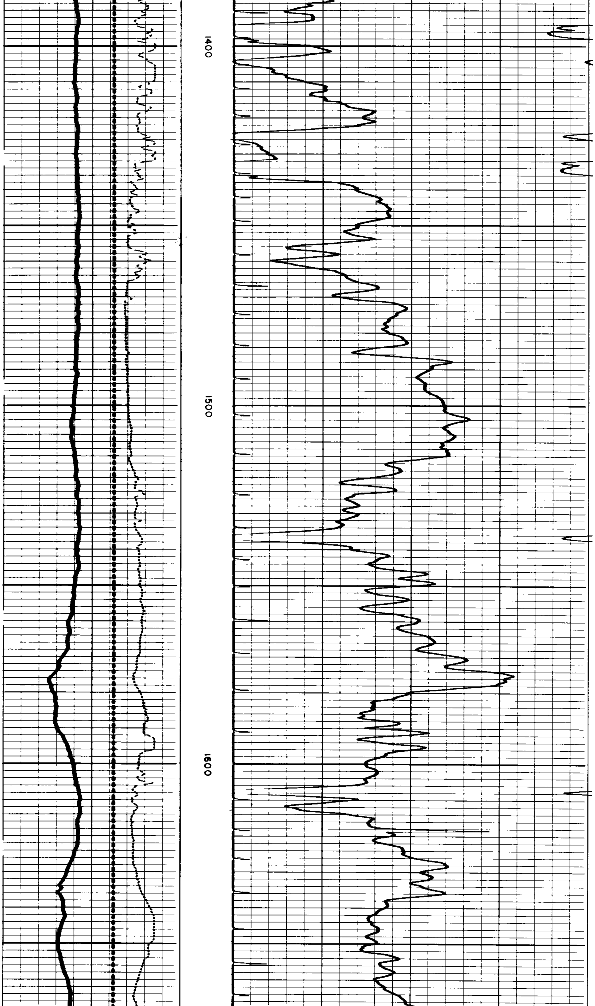
C.D.: USED S.O.: USED
Equip. Used: CART. No. SLC-A-165
PANEL No. SLP-A-169
SONDE No. SLS-D-307

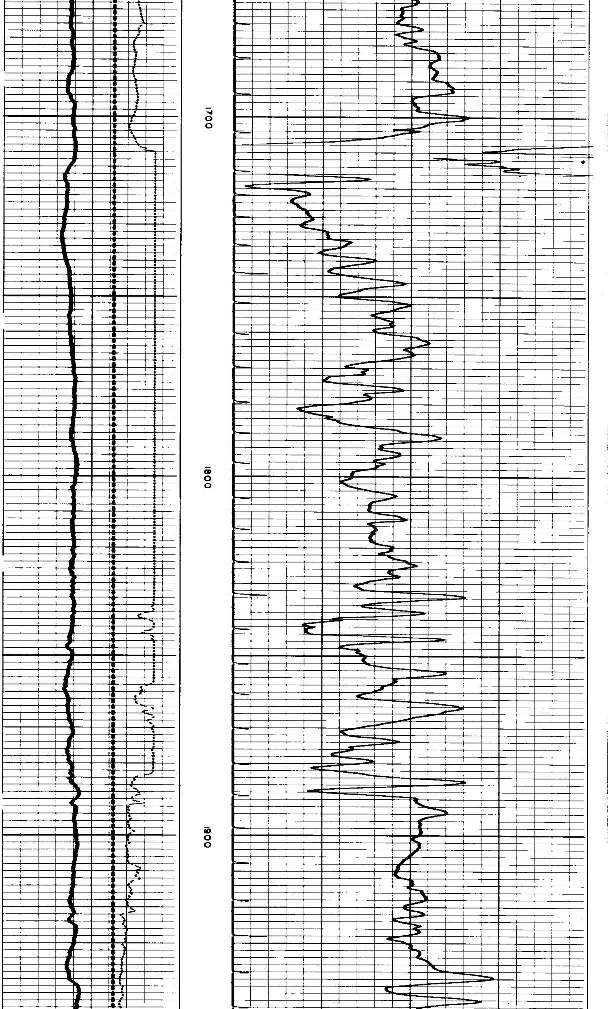
$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

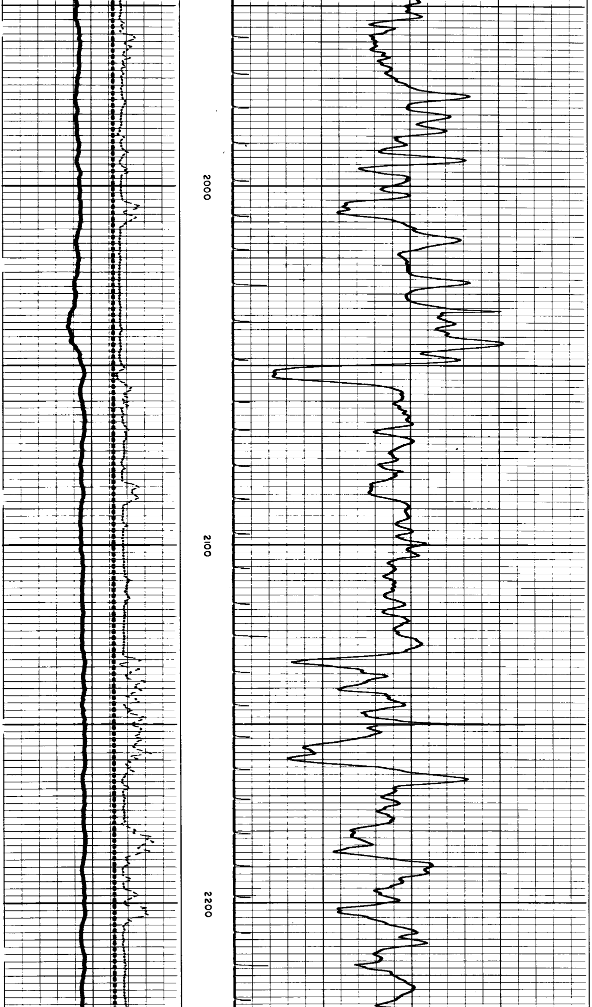
| SPONTANEOUS-POTENTIAL MILLIVOLTS | DEPTHS | INTERVAL TRANSIT TIME MICROSECONDS PER FOOT |
|---|---|---|
| 10<br>– ↔ + | SONIC TRA<br>TIME MIC | $T\,3'\,R_1\,2'\,R_2$<br>150 100 50<br>200 150 |
| CALIPER | | |

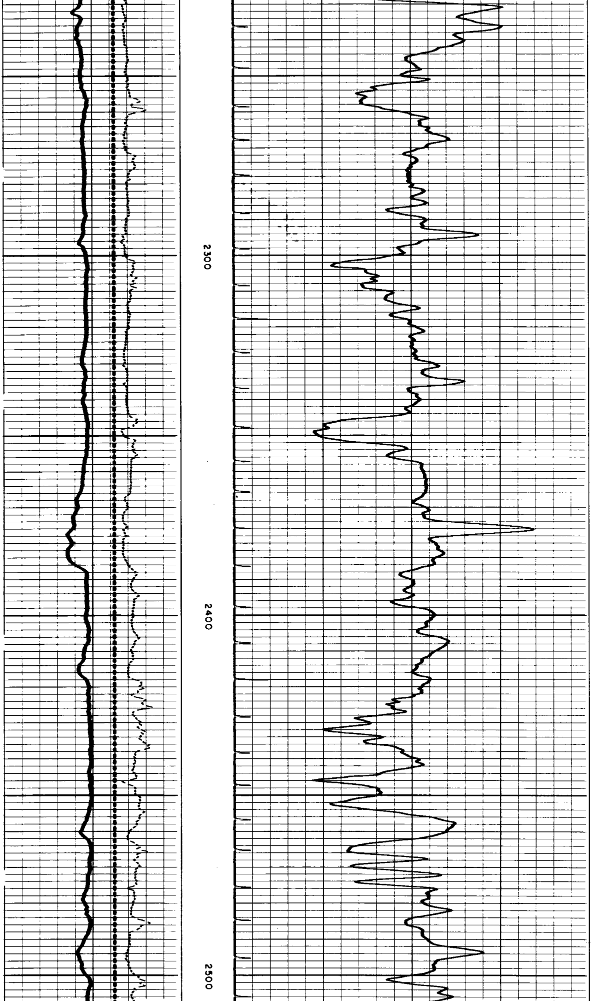


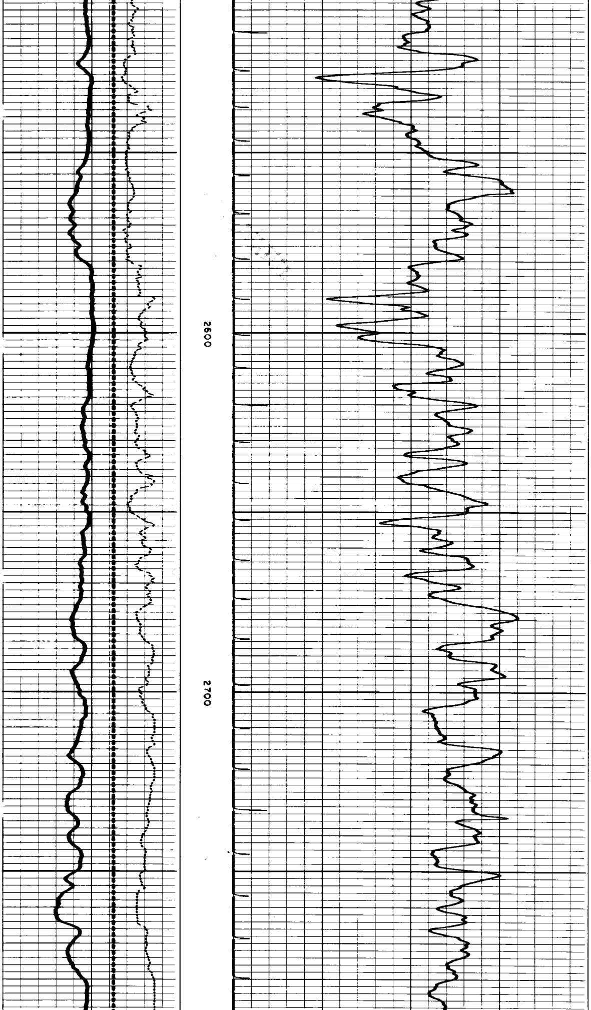


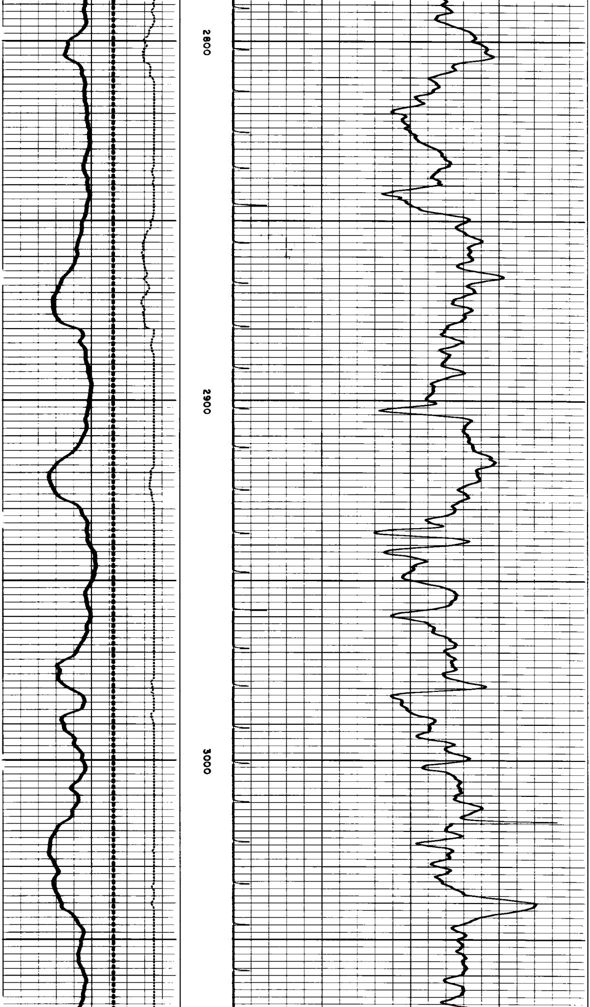


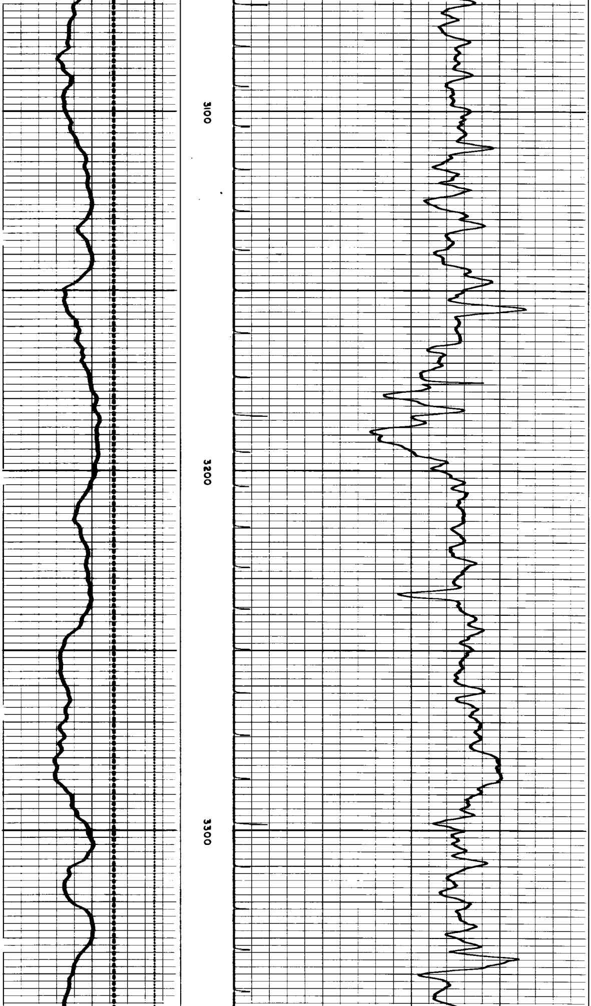


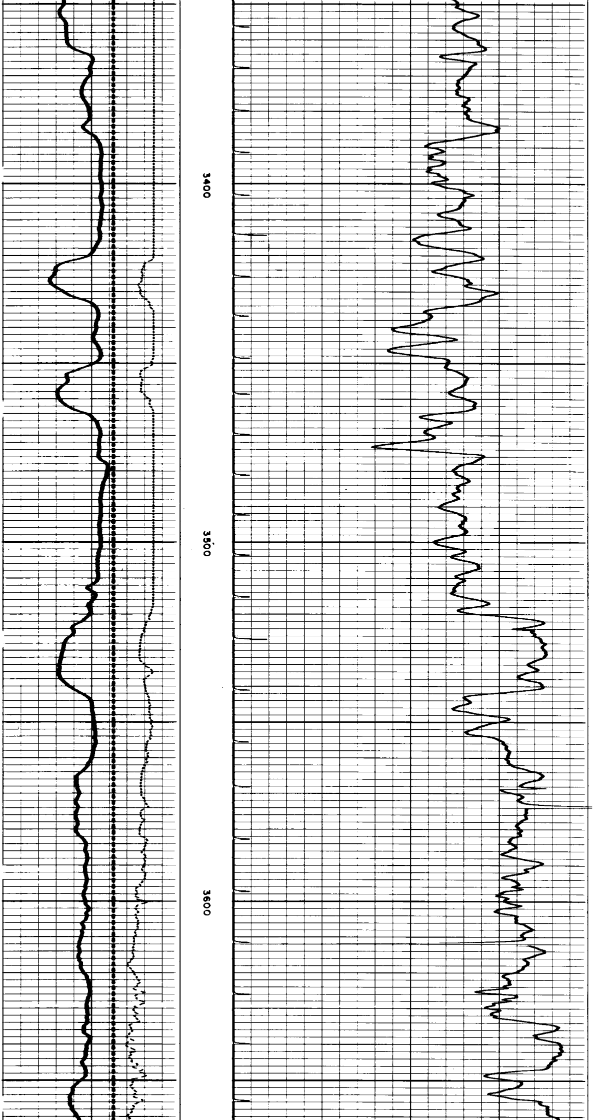


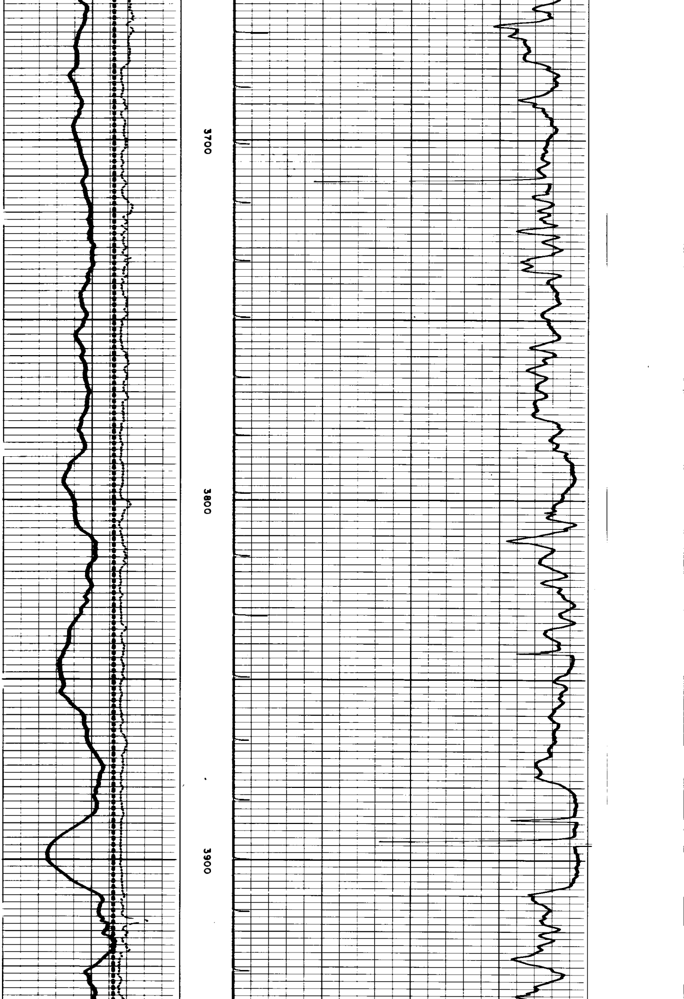


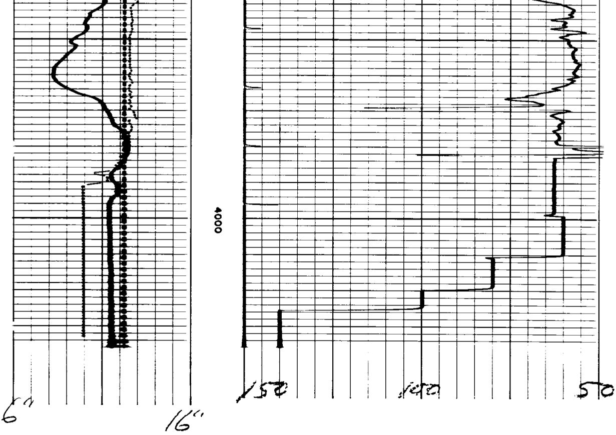


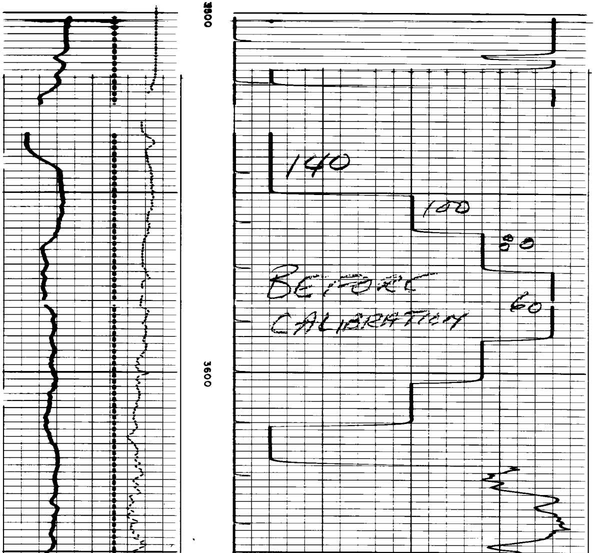


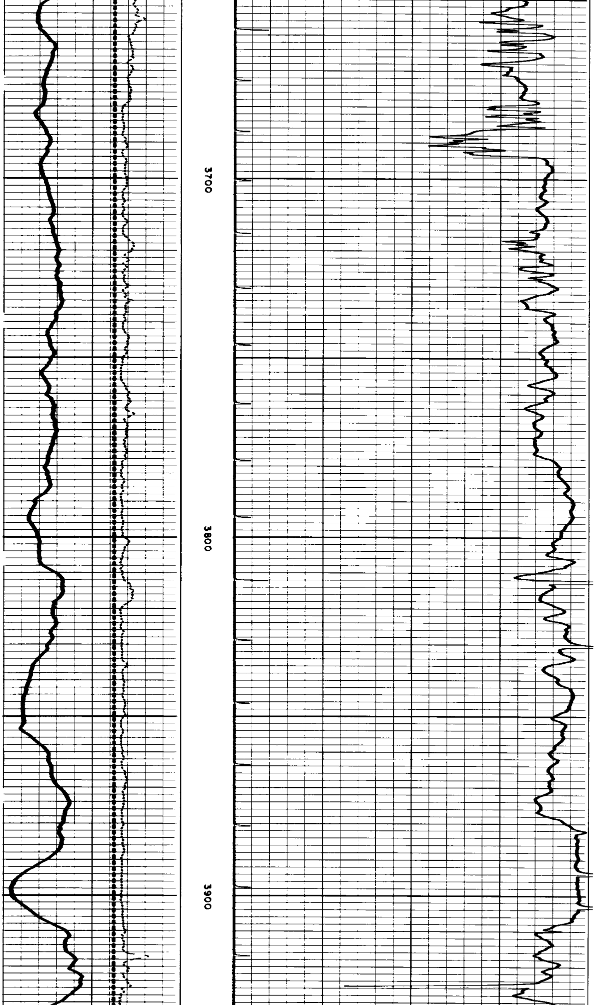


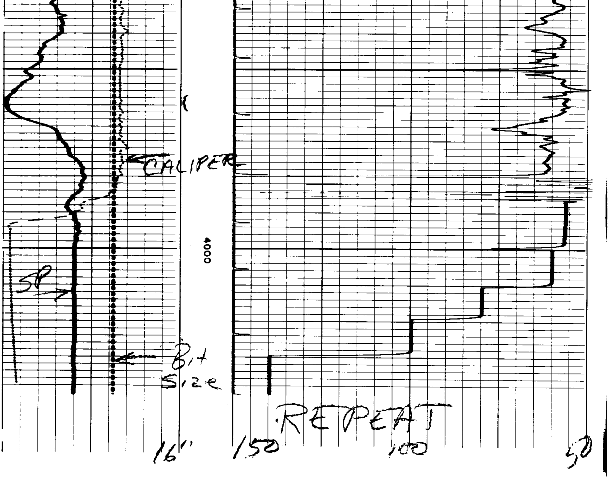












End of log