

Schlumberger

**BOREHOLE COMPENSATED SONIC LOG**

*Casey*

COMPANY ALSAZ BOSTON 1142480  
 WELL HERULES INJECTION TESTWELL  
 FIELD WJ/C  
 COUNTY WINDHAM AREA STATE VT

LOCATION 500-DE-DE Other Services: HRT DCL  
 API SERIAL NO. 25 TWP. 335 RANGE 38E  
 ELEV. 25 ELEV. K.B. 23  
 MEASUREMENT FROM CE MEASUREMENT FROM CE F. ABOVE PERM. DATUM 23  
 WELL NO. 9-22-78  
 BIT-DRILLER DAVE  
 LOG-LOGGER (Schl.) 3008  
 LOG INTERVAL 3008  
 LOG INTERVAL 2998  
 LOG INTERVAL 100  
 LOG-DRILLER BY @ 1678  
 LOG-DRILLER 122  
 LOG-DRILLER 1678  
 LOG-DRILLER SAIT WILKINSON

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

Run No. DAVE  
 Service Order No. 12759  
 Fluid Level FULL

EQUIPMENT DATA  
 Sonic Panel No. 331  
 Sonic Cart No.  
 Sonic Sonde No.  
 Mem. Panel No.  
 G.R. Cart No.  
 G.R. Panel No.  
 Caliper No.  
 TTR No.  
 Centralizers: No.  
 Type  
 Standoffs: No.  
 Type  
 Time Const.-Sec.  
 Speed - F.P.M.

SCALF CHANGES  
 Type Log Depth Scale Up Hole Scale Down Hole

LOGGING DATA  
 Porosity Selectors Depth  
 $\Delta t_m$   $\Delta t_f$  Cp  $\phi$  Scale From To  
470 189 130 30

REMARKS  
Severe hole drag. Injection pipe too small to run centralizers.

Velocity (ft/sec) =  $\frac{1,000,000}{\text{Interval Transit Time (microseconds per foot)}}$

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.

CALIPER DIAM. IN INCHES  
 6 16

GAMMA RAY API UNITS  
 0 100

SPONTANEOUS-POTENTIAL  
 - + MILLIVOLTS

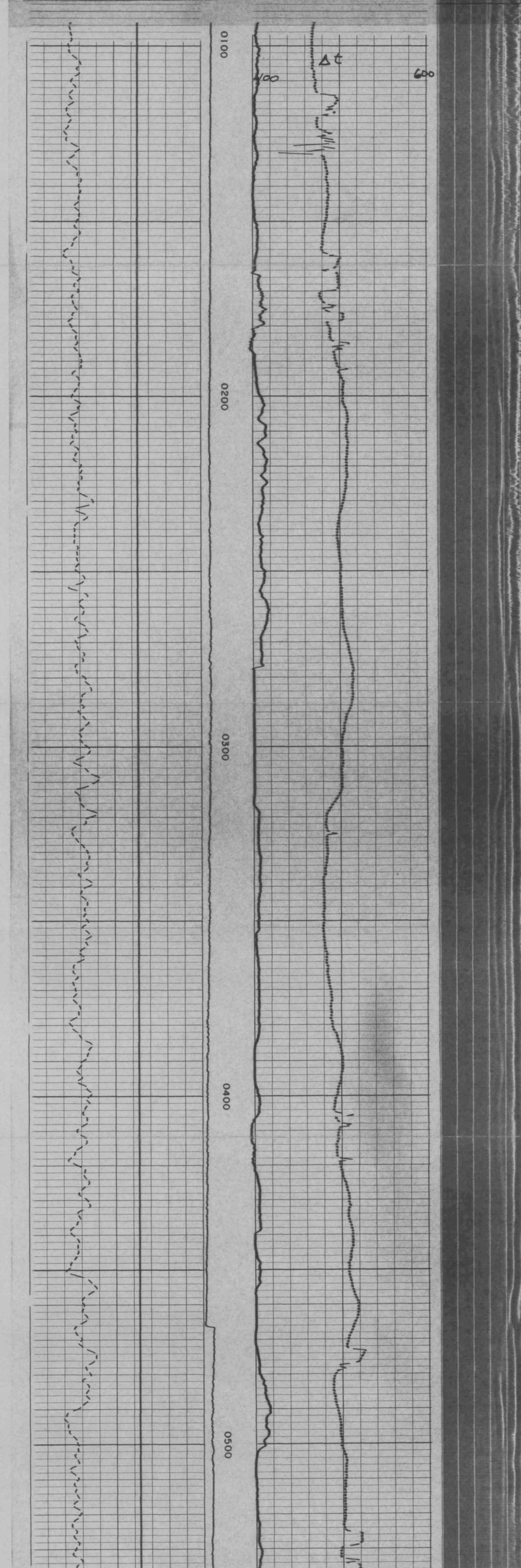
DEPTH

INTERVAL TRANSIT TIME MICROSECONDS PER FOOT T<sub>1</sub> R<sub>1</sub> R<sub>2</sub>  
 150 100 50  
 250 200 150

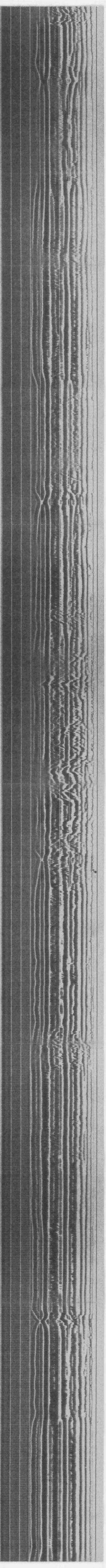
INTEGRATED TRAVEL TIME

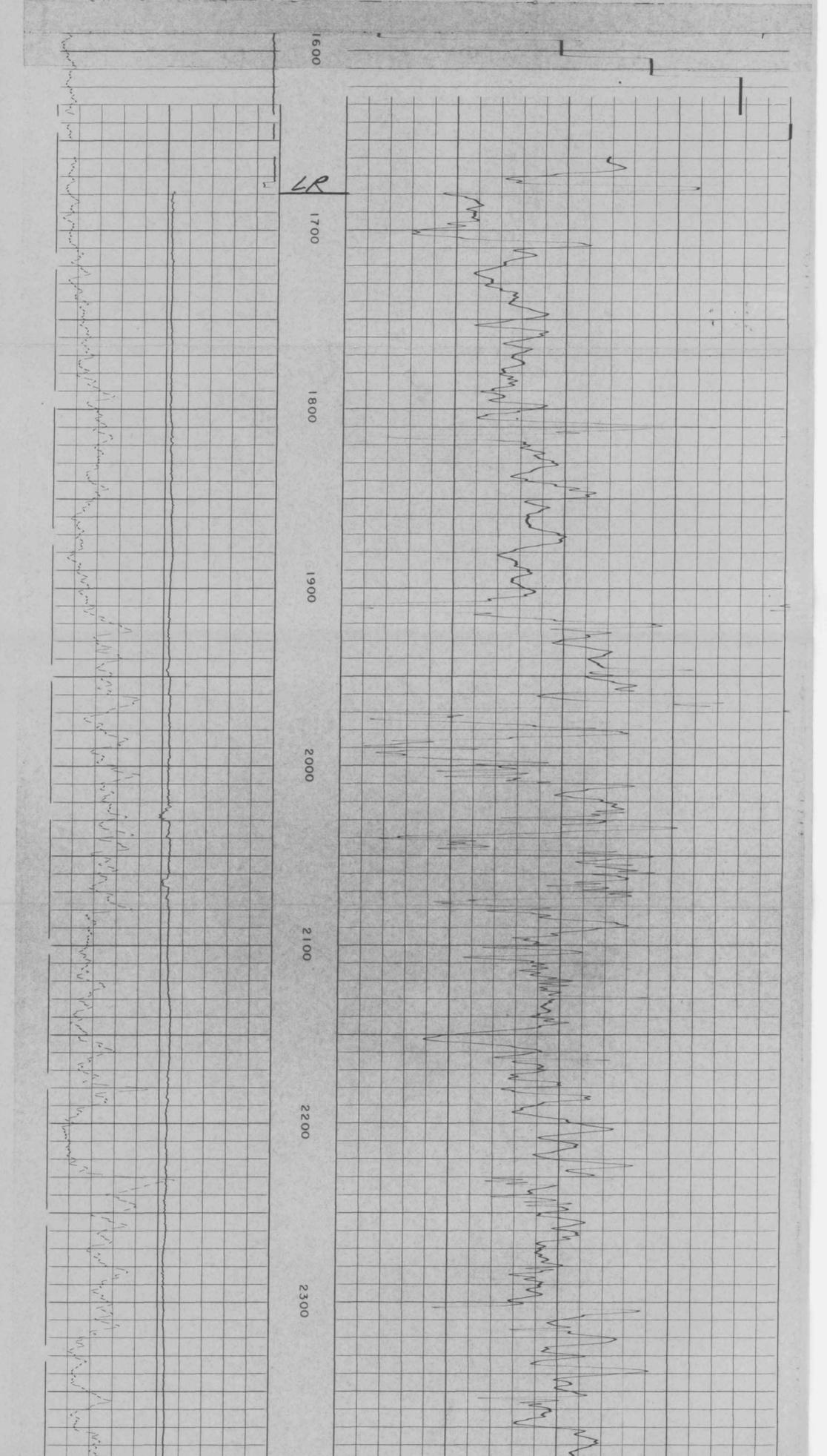
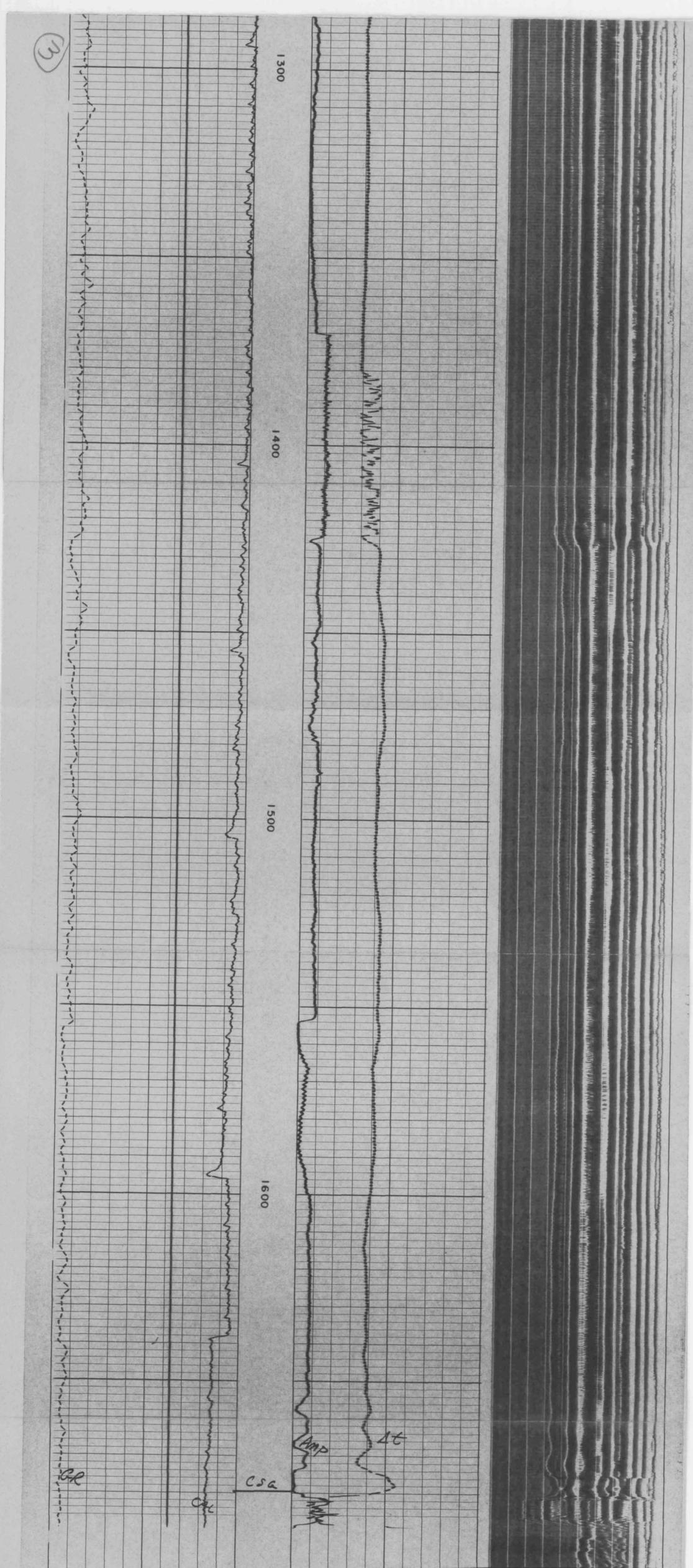
AMPLITUDE MILLIVOLTS  
 0 50 200

VARIABLE DENSITY MICROSECONDS  
 120



(2)





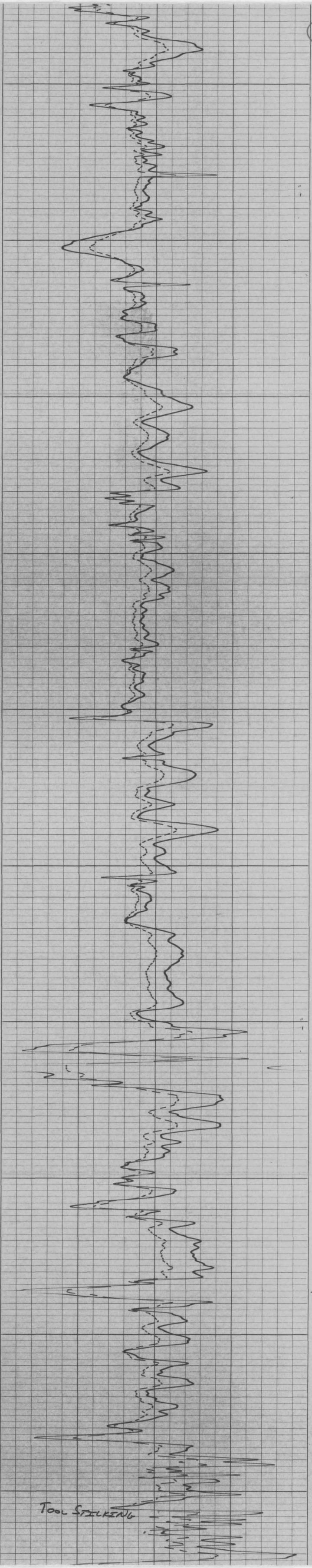
(F)



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2800  
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FR 000

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1700  
1800  
1900  
2000  
CSA  
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CA

6



TOOL STRIKING

2100

2200

2300

2400

2500

