

Doc# 2303101
API# 123-14881

A D Wireline I Services

CEMENT BOND LOG GAMMA RAY CCL

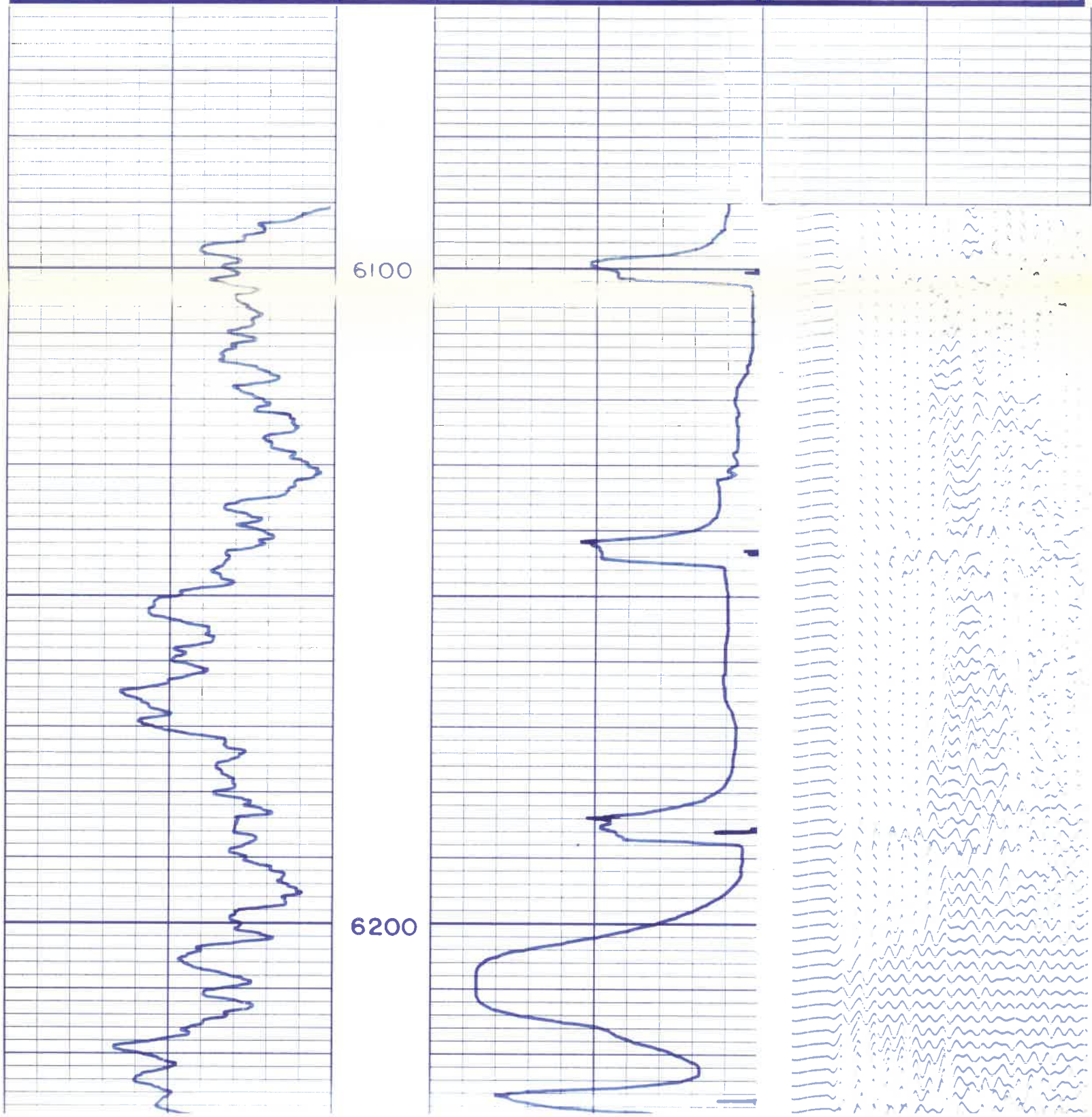
FILING NO.		COMPANY <u>FINA OIL + CHEMICAL COMPANY</u>																																	
		WELL <u>ANDREWS NO. 16-7</u>																																	
		FIELD <u>CARETAKER</u>																																	
		COUNTY <u>WELD</u>	STATE <u>COLORADO</u>																																
LOCATION <u>SE/SE</u>		OTHER SERVICES:																																	
SEC <u>7</u> TWP <u>7N</u> RGE <u>59W</u>																																			
PERMANENT DATUM <u>GROUND LEVEL</u> ELEV <u>4919</u>		ELEV KB <u>4932</u>																																	
LOG MEASURED FROM <u>KELLY BUSHING, 13</u> FT ABOVE PERM DATUM		DF <u>4931</u>																																	
DRILLING MEASURED FROM <u>KELLY BUSHING</u>		GL <u>4919</u>																																	
Date	<u>2-5-91</u>																																		
Run No.	<u>ONE</u>																																		
Type Log	<u>GAMMA-CEMENT BOND</u>																																		
Depth-Driller	<u>6945</u>																																		
Depth-Logger	<u>6898</u>																																		
Bottom logged interval	<u>6891</u>																																		
Top logged interval	<u>6100</u>																																		
Type fluid in hole	<u>WATER</u>																																		
Max rec. temp, deg. F																																			
Operating rig time	<u>1 HOUR</u>																																		
Recorded by	<u>A. MUNDAY</u>																																		
Witnessed by	<u>MR. DONTIFFIN</u>																																		
<table border="1"><thead><tr><th colspan="4">Bore-Hole Record</th><th colspan="4">Tubing Record</th></tr><tr><th>Run No</th><th>Bit</th><th>From</th><th>To</th><th>Size</th><th>Wgt.</th><th>From</th><th>To</th></tr></thead><tbody><tr><td></td><td><u>12 1/4</u></td><td><u>000</u></td><td><u>396</u></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td><u>7 7/8</u></td><td><u>396</u></td><td><u>6945</u></td><td></td><td></td><td></td><td></td></tr></tbody></table>				Bore-Hole Record				Tubing Record				Run No	Bit	From	To	Size	Wgt.	From	To		<u>12 1/4</u>	<u>000</u>	<u>396</u>						<u>7 7/8</u>	<u>396</u>	<u>6945</u>				
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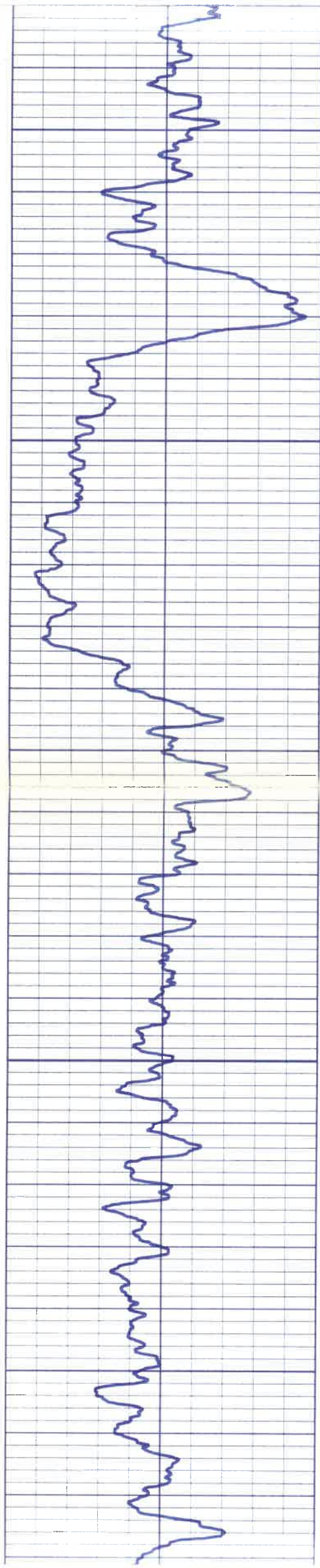
GAMMA RAY EQUIPMENT & LOGGING DATA

Tool No.	51E		Speed FPM	T. C. Sec.	Bkg. Cps.	Cal. Cps.	Sens.	Zero Div. L or R	Api Per Log Div.
Tool Model No.	From	To							
Diameter	3 1/8	6898	6100	30	3.0				
Detector Model No.									
Type	GIEGER								
Length	18"								
Distance to N. Source									

REMARKS:

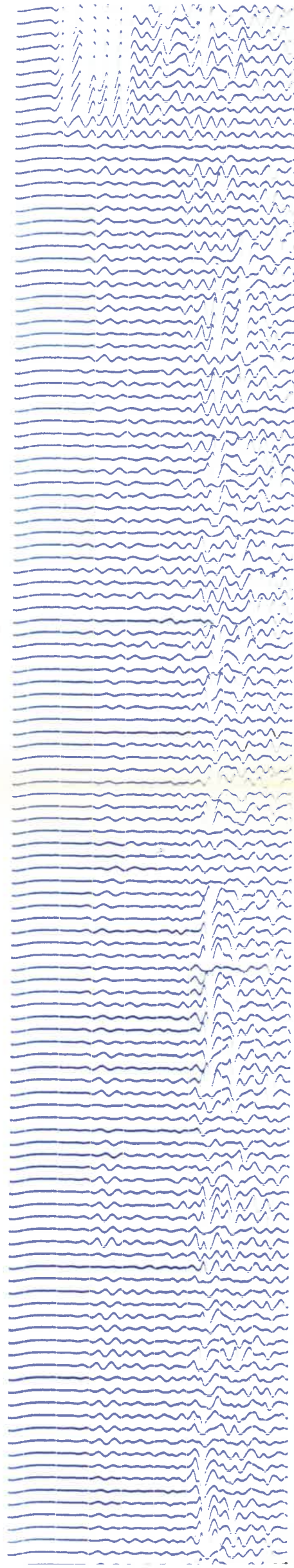
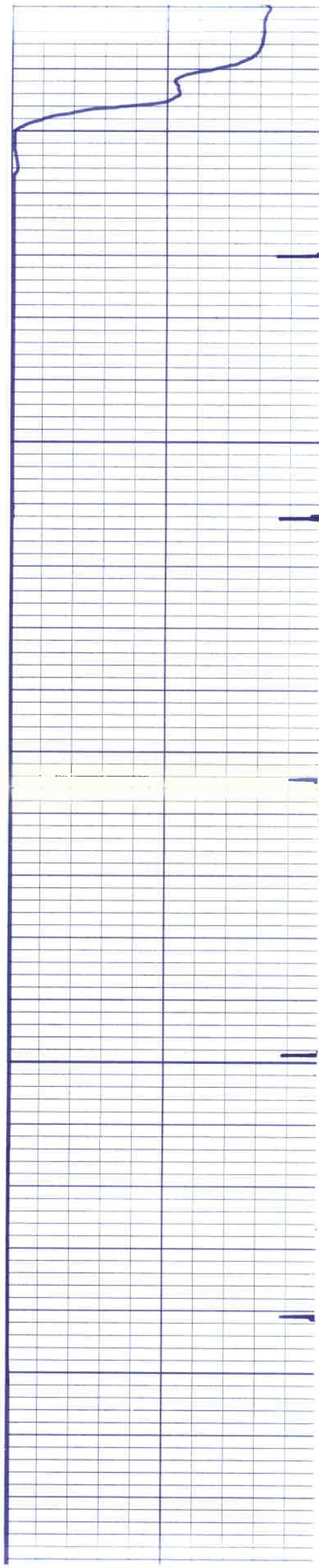
GAMMA-RAY		DEPTH	AMPLITUDE		SIGNATURE LOG
GAMMA RAY API UNITS			AMPLITUDE MILLIVOLTS		
0	200		0	100	
200	400				
			TRAVEL TIME MICRO SECONDS / FT.		MICRO SECONDS
					0 1000

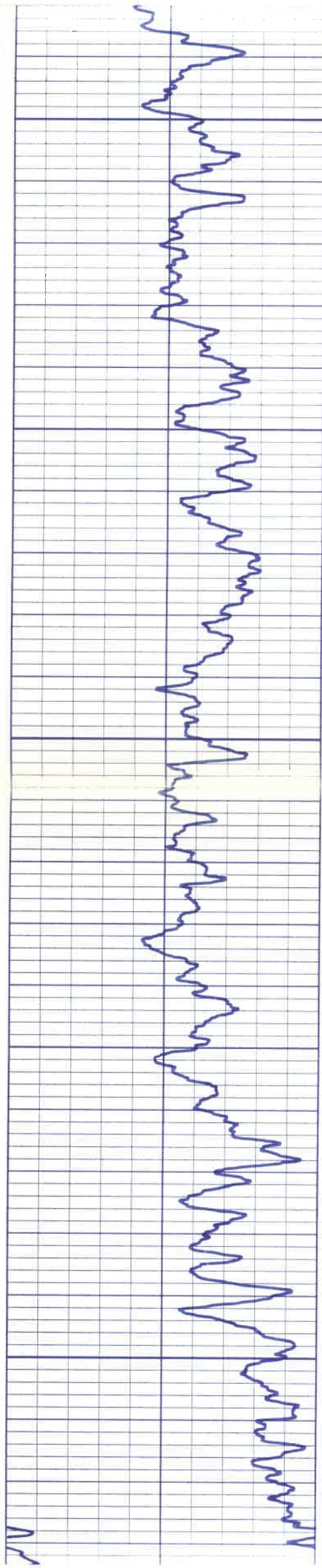




6300

6400

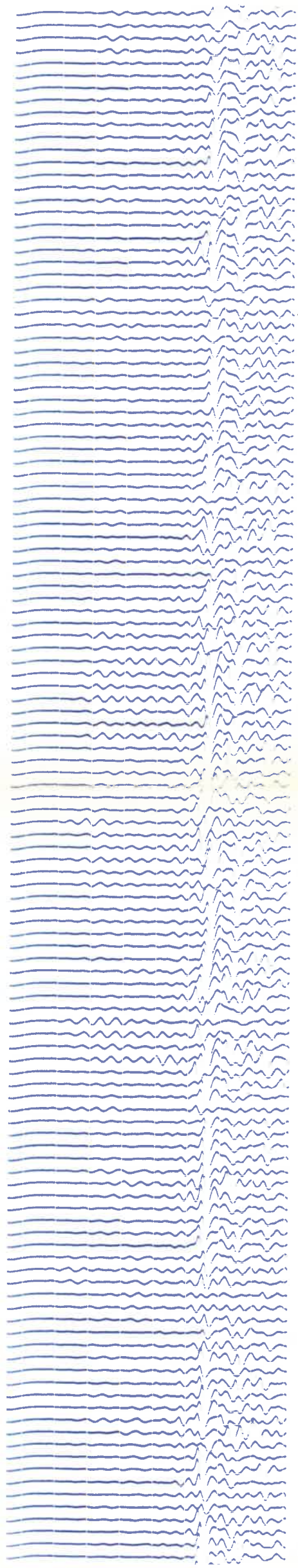




6500

6600

6700



6800

6900

LTD 6891
TD 6898

