J-W WIRELINE COMPANY

GAMMA RAY CCL
CEMENT BOND VDL
SECTOR MAP

Company	CARRIZO OIL& GAS		
Well	HEMBERGER 4-26-8-60		
Field			
County	WELD	State	COLORADO
Location:		API #: 0512339331	Other Services
SEC	TWP	RGE	
Permanent Datum	GL	Elevation	Elevation K.B. D.F. G.L.
Log Measured From	GL		
Drilling Measured From	KB		

Company	CARRIZO OIL& GAS	
Well	HEMBERGER 4-26-8-60	
Field		
County	WELD	
State	COLORADO	
Date	NOVEMBER 20, 2014	
Run Number	ONE	
Depth Driller		
Depth Logger	5600	
Bottom Logged Interval	5600	
Top Log Interval	SURFACE	
Open Hole Size		
Type Fluid	WATER	
Density / Viscosity		
Max. Recorded Temp.		
Estimated Cement Top		
Time Well Ready	1200	
Time Logger on Bottom	1000	
Equipment Number	2269	
Location	STERLING	
Recorded By	MIKE ADAMSON	
Witnessed By	BRAD BEHM	

Borehole Record			Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String				
Liner				

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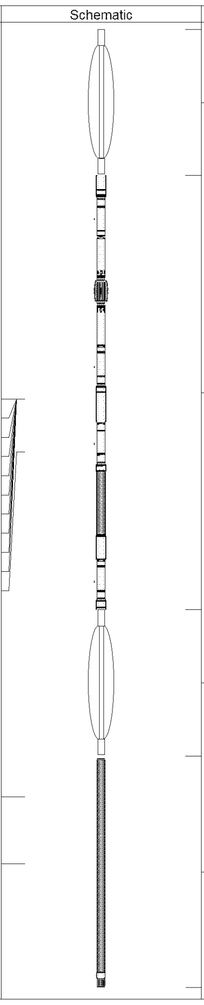
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 our general terms and conditions set out in our current Price Schedule.

Comments

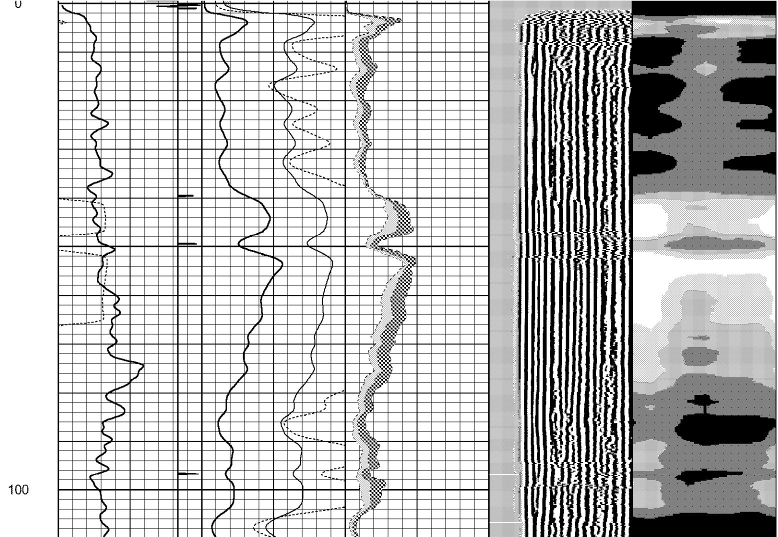
LOGGED UNDER 1000 PSI

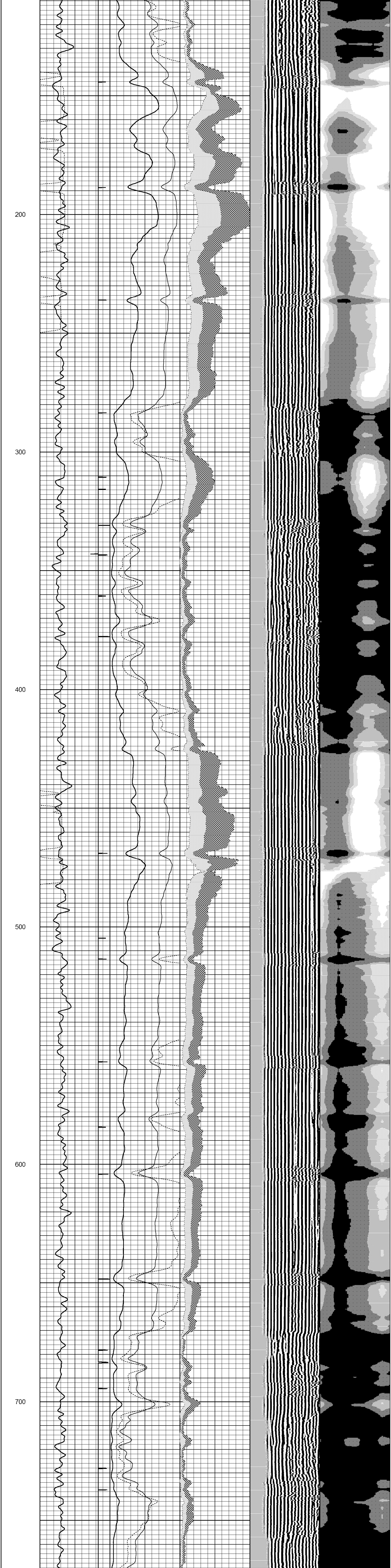
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT-Probe (Probe1) PROBE 2.75 CENT	3.00	2.75	25.00
WVF3FT	12.08		RBT-Probe (4.5040904) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	12.08					
WVFS1	12.08					
WVFS2	12.08					
WVFS3	12.08					
WVFS4	12.08					
WVFS5	12.08					
WVFS6	12.08					
WVFS7	12.08					
WVFS8	12.08					
WVF5FT	11.00					
			CENT-Probe (Probe2) PROBE 2.75 CENT	3.00	2.75	25.00
CCL	3.92					
GR	2.54		GR-Probe275dig (pr051112) Probe Digital Gamma CCL	4.75	2.75	57.00

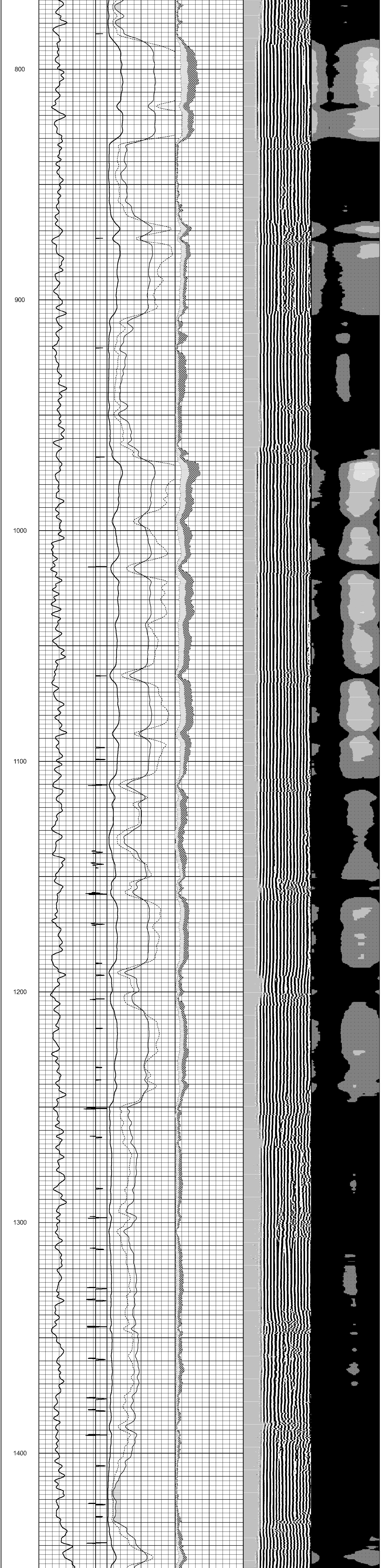
Dataset: hemberger 4-26-8-60.db: field/well/run1/pass9
Total Length: 19.67 ft
Total Weight: 197.00 lb
O.D. 2.75 in

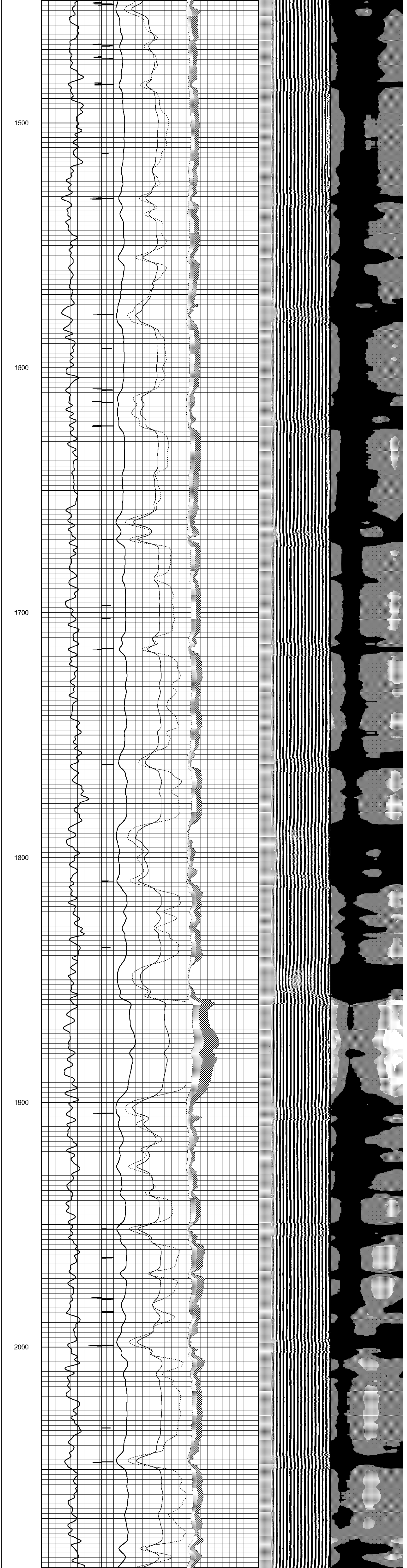
Database File: hemberger 4-26-8-60.db
Dataset Pathname: pass9
Presentation Format: scbl02
Dataset Creation: Thu Nov 20 11:41:57 2014 by Log Std Casedhole 10121
Charted by: Depth in Feet scaled 1:240

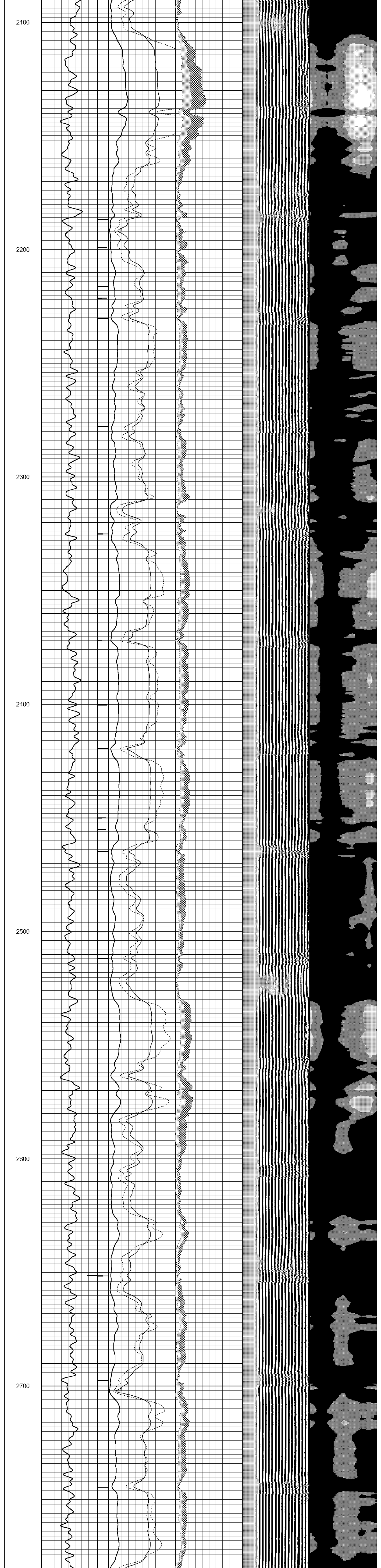
340 TT (usec) 240	0 AMP (mV) 100	-2 AMPAVG 200	200 VDL 1200	1 Cement Map 8
-5 CCL 1	0 AMPx5 (mV) 20	-2 AMPMAX 200		■ ▨ ▨ ▨ □
0 GR (GAPI) 250	1 Bond Index 0	-2 AMPMIN 200		

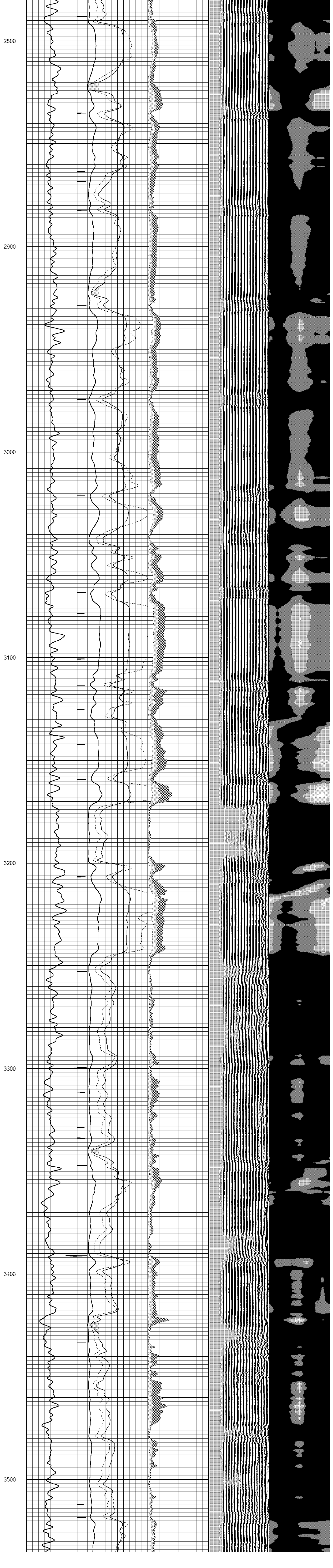


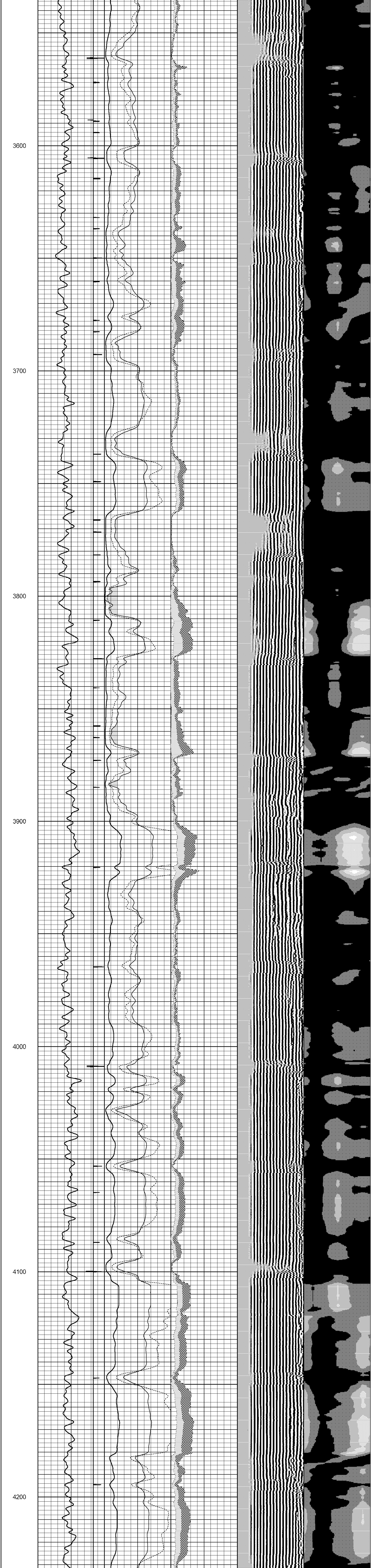








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3900
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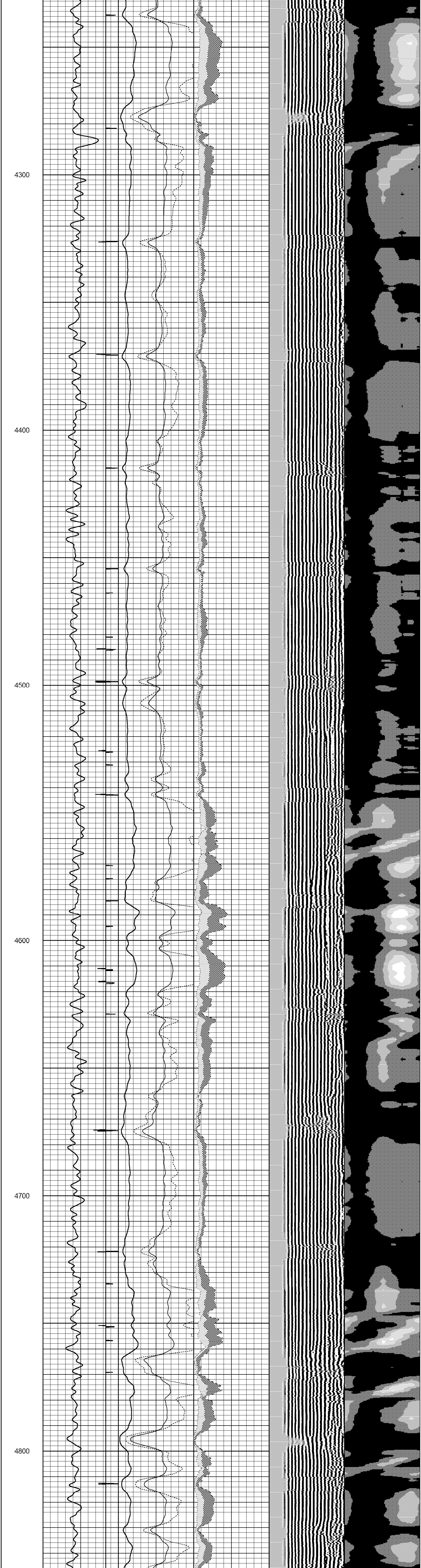
4200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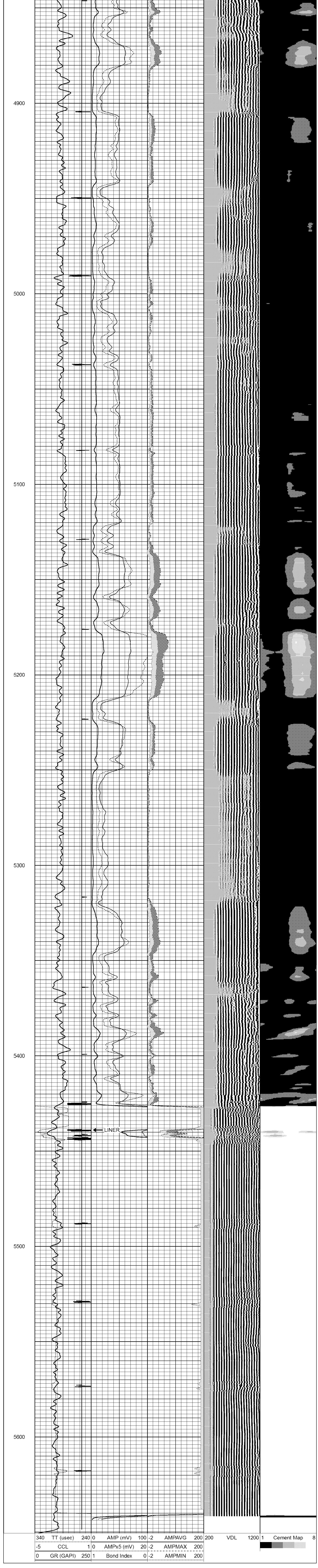
4900
5000
5100
5200
5300
5400
LINER
5500
5600
340 TT (usec) 240
-5 CCL 1
0 GR (GAPI) 250
0 AMP (mV) 100
0 AMPx5 (mV) 20
1 Bond Index 0
-2 AMPAVG 200
-2 AMPMAX 200
-2 AMPMIN 200
200 VDL 1200
1 Cement Map 8