PIONEER
Pioneer Energy Services

V.D.L. C.C.L. GAMMA RAY CEMENT BOND LOG

Company KERR-MCGEE OIL AND GAS ONSHORE LP
Well APOLLO 1
Field WATTENBERG
County WELD
State COLORADO

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Well APOLLO 1
Field WATTENBERG
County WELD State COLORADO
Location: API # : 05123082430000
SHL: 990' FNL X 990' FEL
SEC 19 TWP 1N RGE 65W

Other Services
SQUEEZE

Permanent Datum GL Elevation 4985'
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4995'
D.F. 4994'
G.L. 4985'

Date	MAY 6, 2014
Run Number	ONE
Depth Driller	7927'
Depth Logger	6986'
Bottom Logged Interval	6974'
Top Log Interval	SURFACE
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	NA
Time Well Ready	10:00 AM
Time Logger on Bottom	11:15 AM
Equipment Number	109
Location	FORT MORGAN
Recorded By	RANDY AZEVEDO
Witnessed By	TRAUX DEAL

	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	4.5"	11.6#	SURFACE	7927'
Liner				

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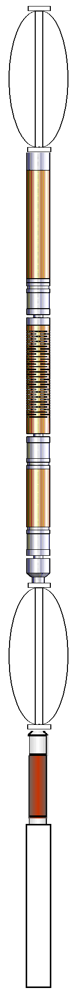
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

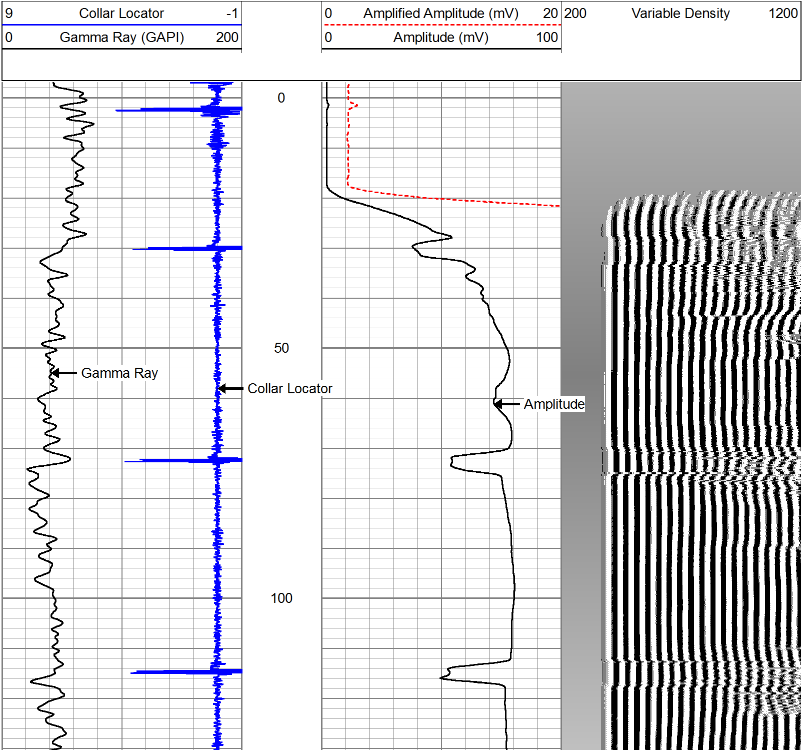
WCR 8 & WCR 39, SOUTH 1/4, WEST INTO
LOGGED OFF BASIC RIG 1549
LOG MEASURED FROM RIG KB
OPEN HOLE LOG STOPPED AT 7000'
THANK YOU FOR USING PIONEER ENERGY SERVICES
SO # 2-205043

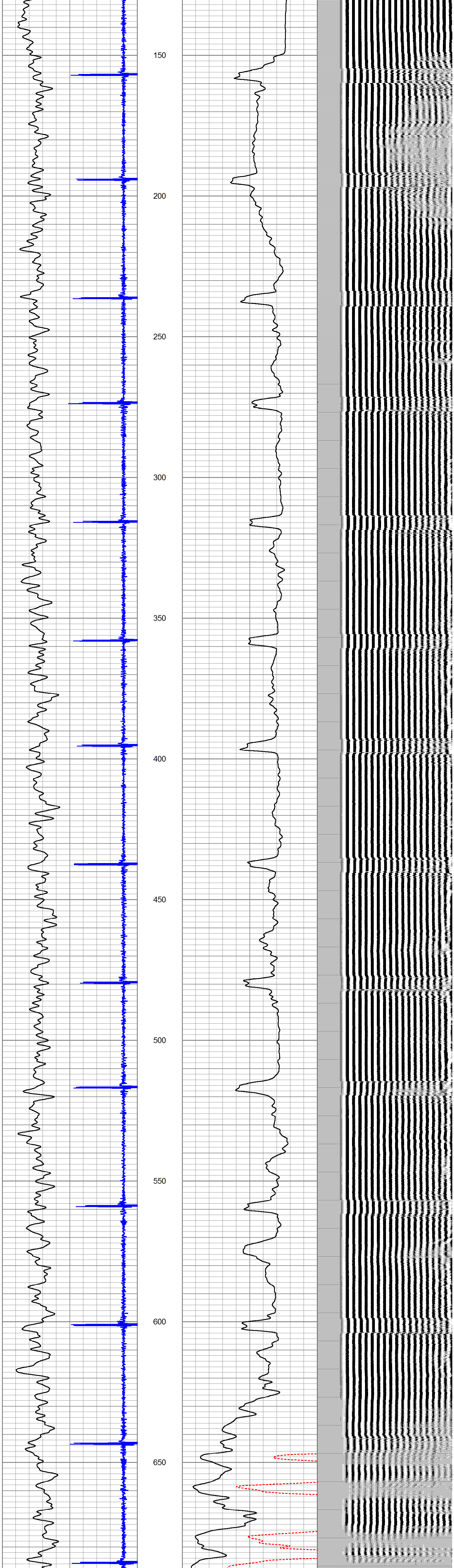


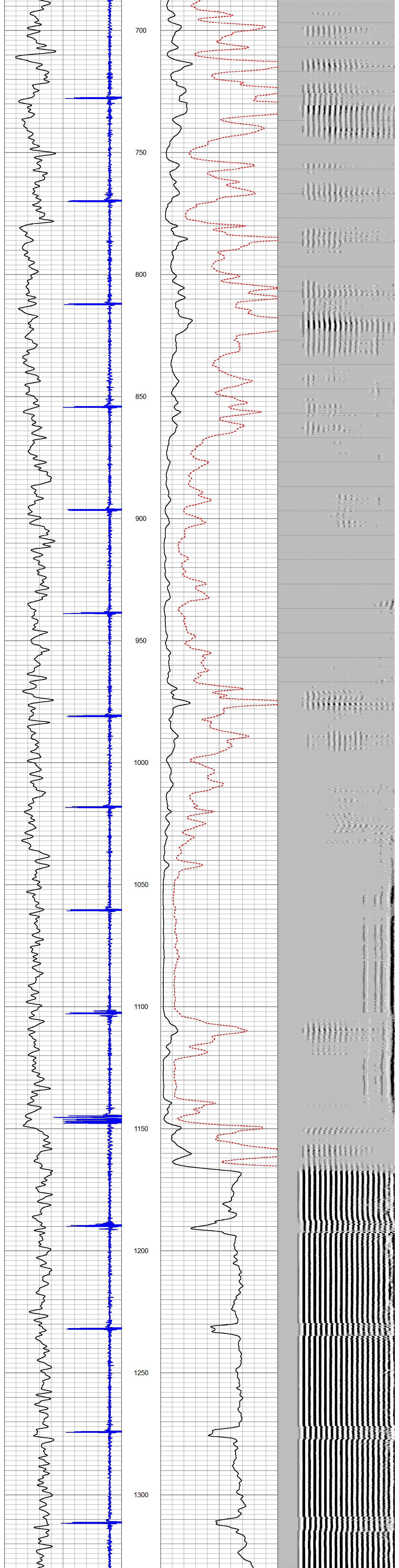
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			SDSCENT Centralizer for testing	3.00	3.25	20.00
WVF3 WVF5	12.50 11.50		CBL-Probe (050215) Probe 2.75" Dual Receiver Bond	8.75	2.75	60.00
			SDSCENT Centralizer for testing	3.00	3.25	20.00
CCL	4.23		CCL-titan01 (01t)	1.92	2.75	
GR	2.54		GR-Probe275 (030606)	3.33	2.75	57.00

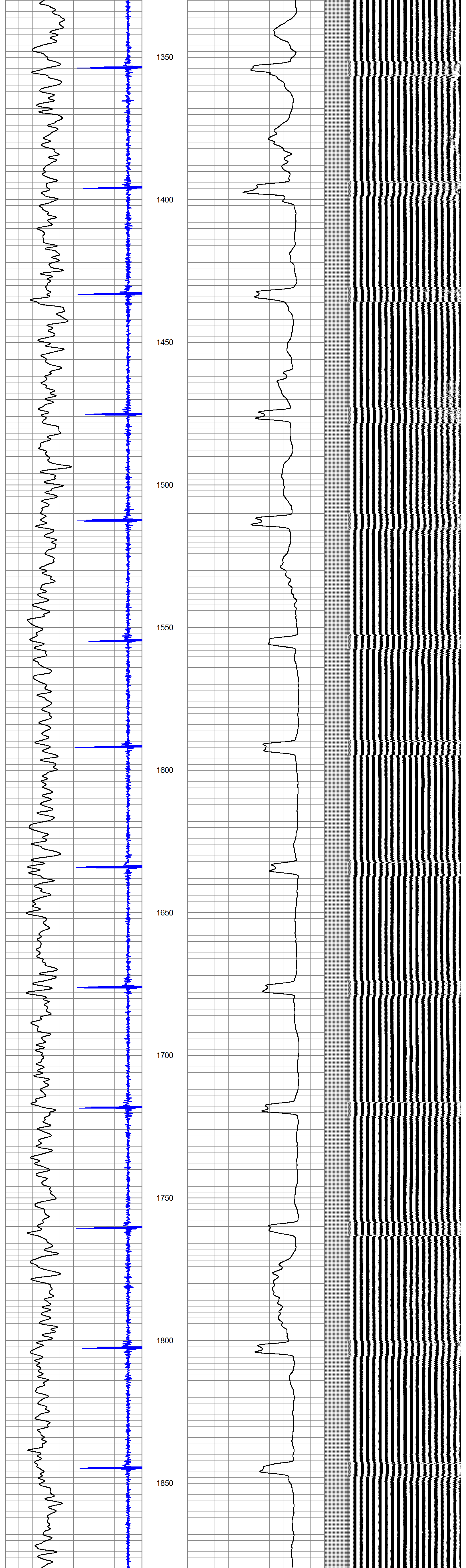
Dataset:	apollo 1 cbl.db: field/well/run1/pass1
Total Length:	20.00 ft
Total Weight:	157.00 lb
O.D.	3.25 in

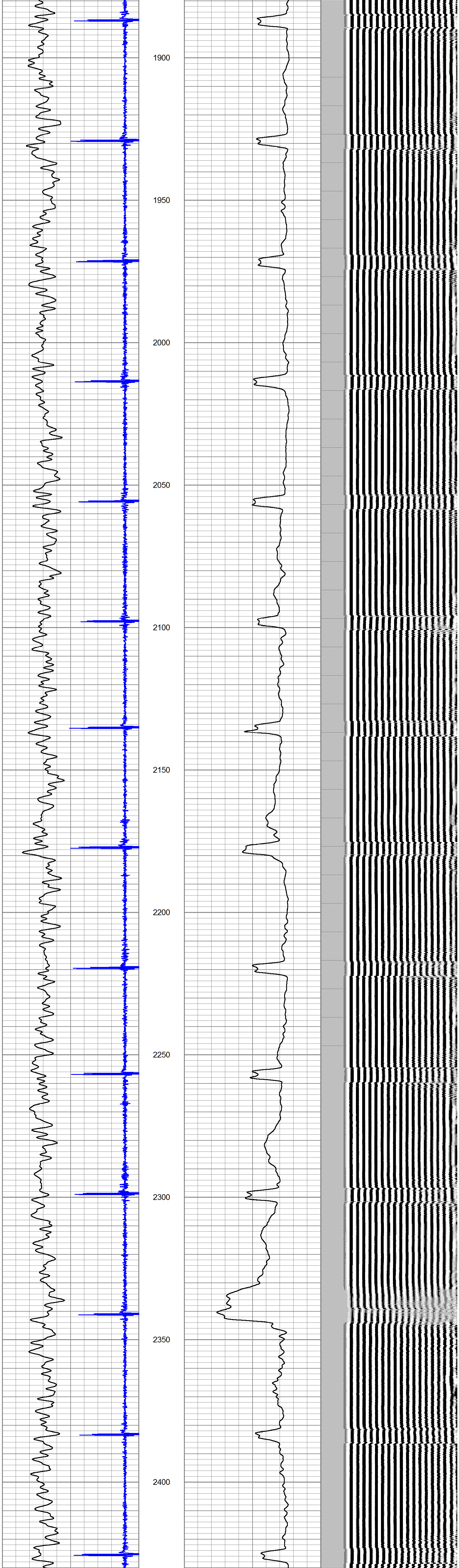
Database File: apollo 1 cbl.db
Dataset Pathname: pass1
Presentation Format: cbl_dr
Dataset Creation: Tue May 06 11:30:54 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

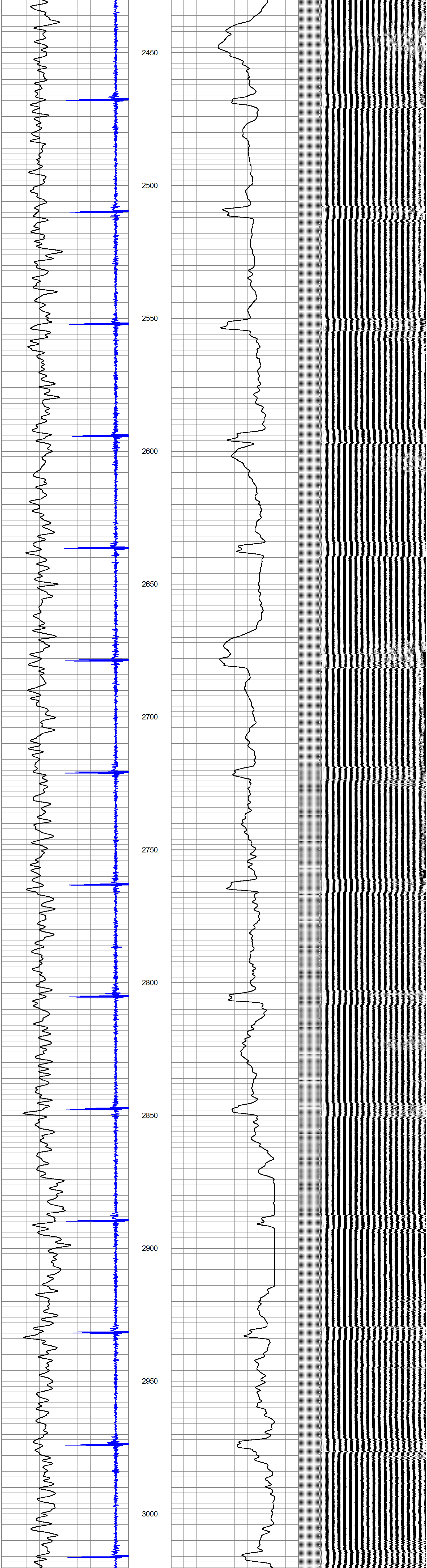


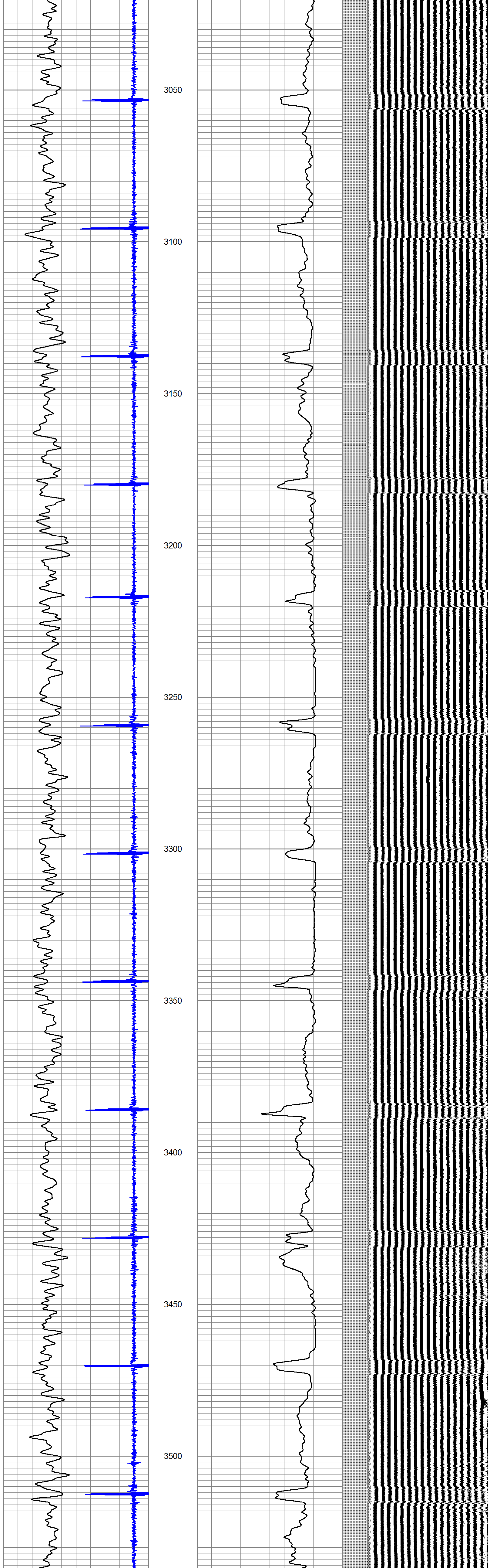


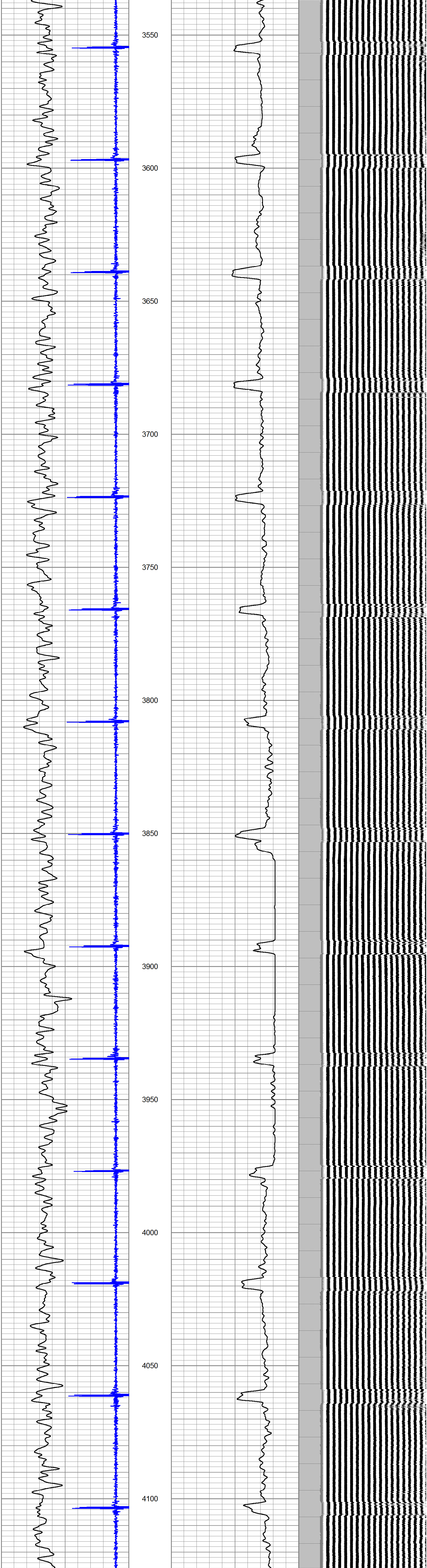








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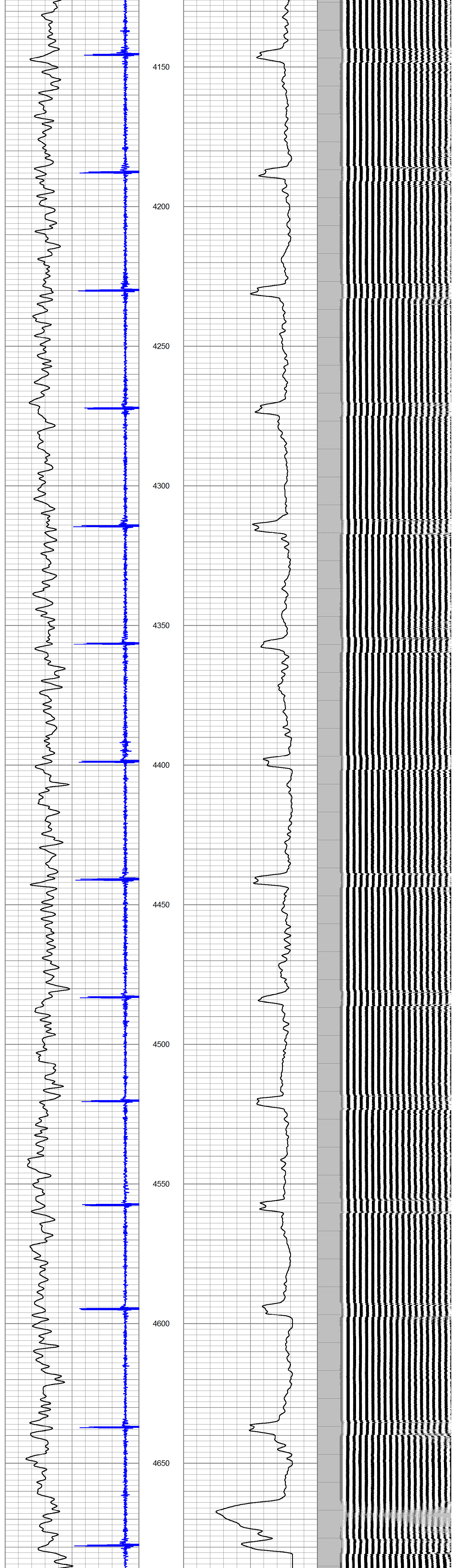
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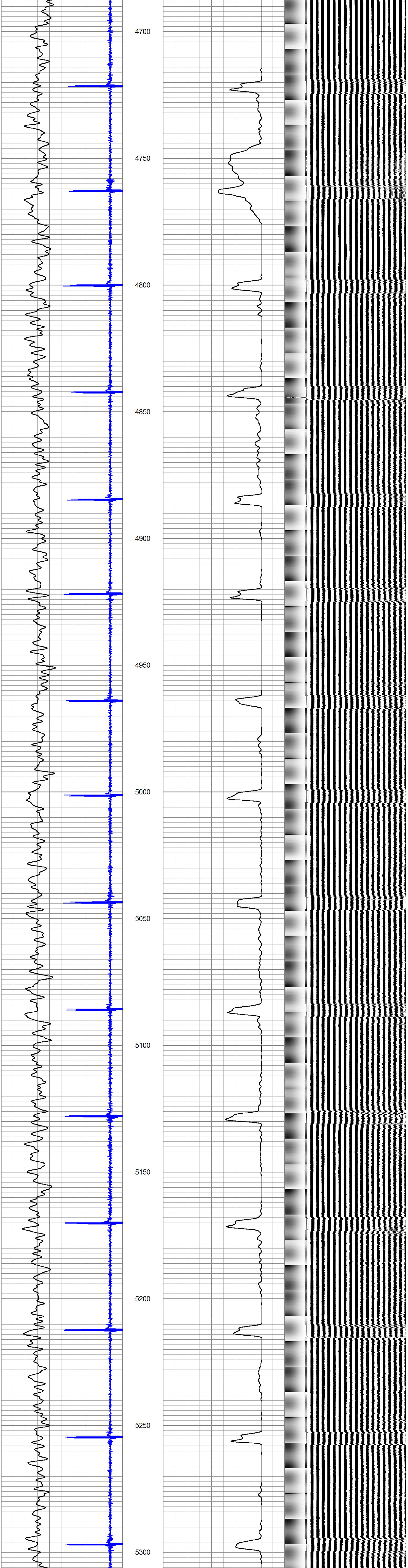
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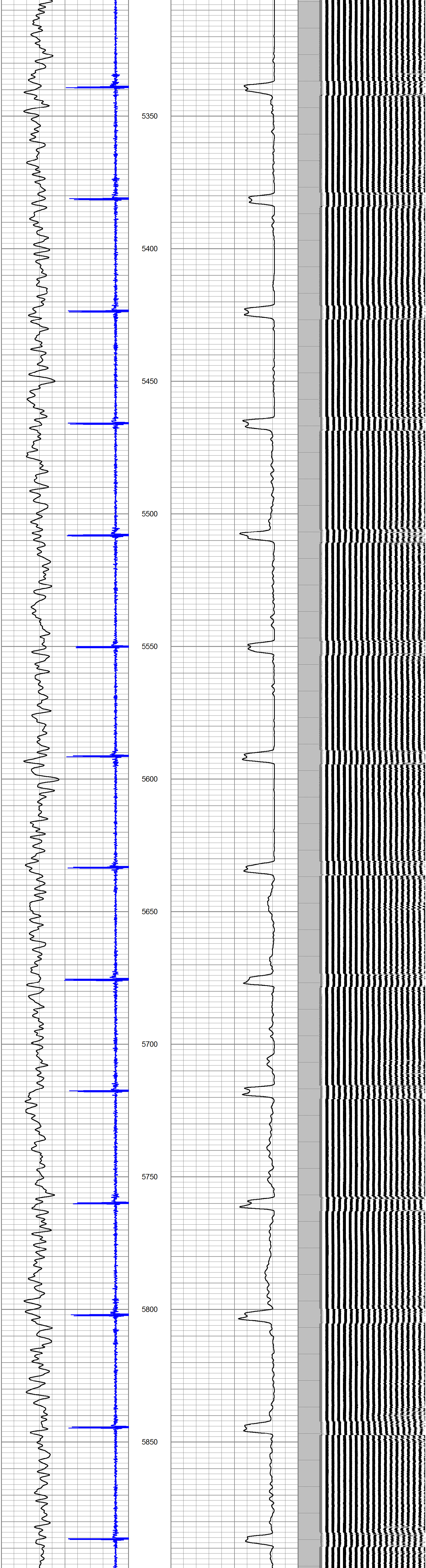
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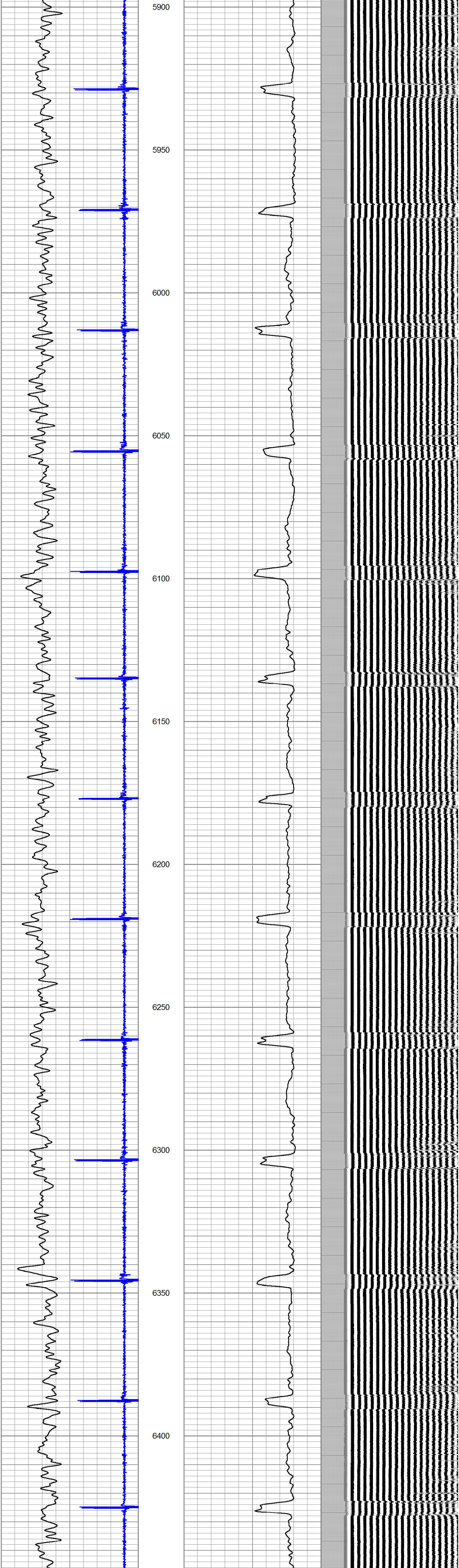
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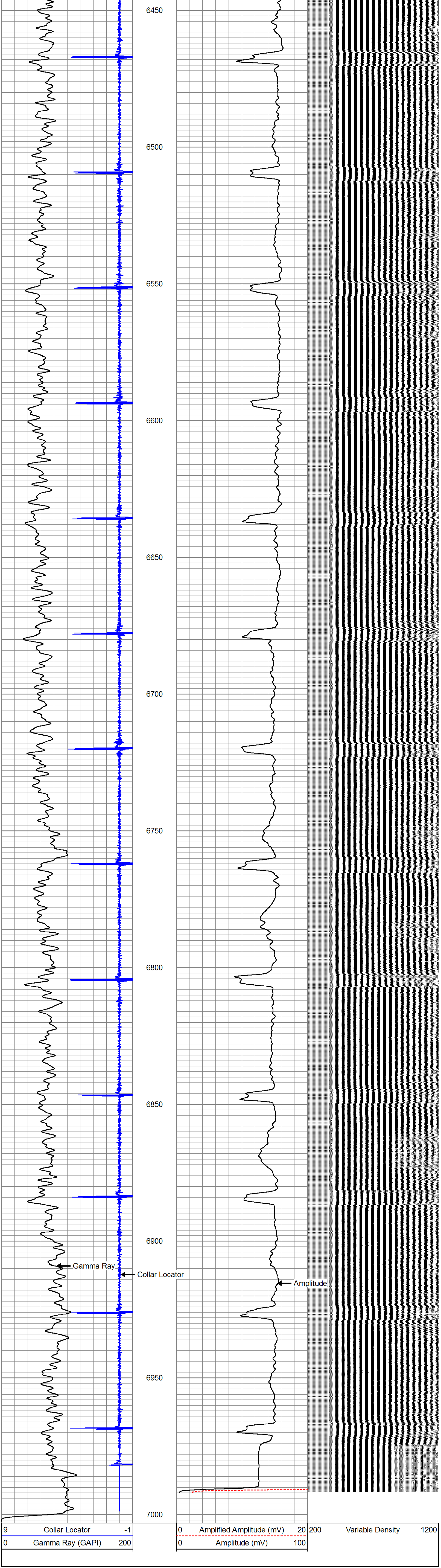
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Gamma Ray
Collar Locator
Amplitude
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7000
9
Collar Locator
-1
0
Gamma Ray (GAPI)
200
0
Amplified Amplitude (mV)
20
0
Amplitude (mV)
100
200
Variable Density
1200