J-W WIRELINE COMPANY

CEMENT BOND
GAMMA RAY VDL
COLLAR CORRELATION LOG

Company	BLACK RAVEN ENERGY INC.
Well	GLENN B I-1
Field	ADENA
County	MORGAN
State	COLORADO

Company BLACK RAVEN ENERGY INC.
Well GLENN B I-1
Field ADENA
County MORGAN State COLORADO

Location: API # : 05-087-05584-0000
SE SE SE
SEC 30 TWP 2N RGE 57W

Other Services
NONE

Permanent Datum GL Elevation 3322
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4431
D.F. 4430
G.L. 4422

Date	AUGUST 06, 2014		
Run Number	ONE		
Depth Driller	5640		
Depth Logger	5486		
Bottom Logged Interval	5485		
Top Log Interval	SURFACE		
Open Hole Size	7 7/8"		
Type Fluid	WATER		
Density / Viscosity	---		
Max. Recorded Temp.	150 F		
Estimated Cement Top	4310		
Time Well Ready	---		
Time Logger on Bottom	---		
Equipment Number	2400		
Location	STERLING CO.		
Recorded By	PHIL LOPEZ		
Witnessed By	BILLY HATAWAY		

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	5.50			
Liner				

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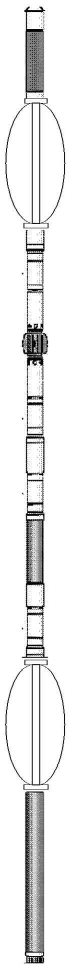
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

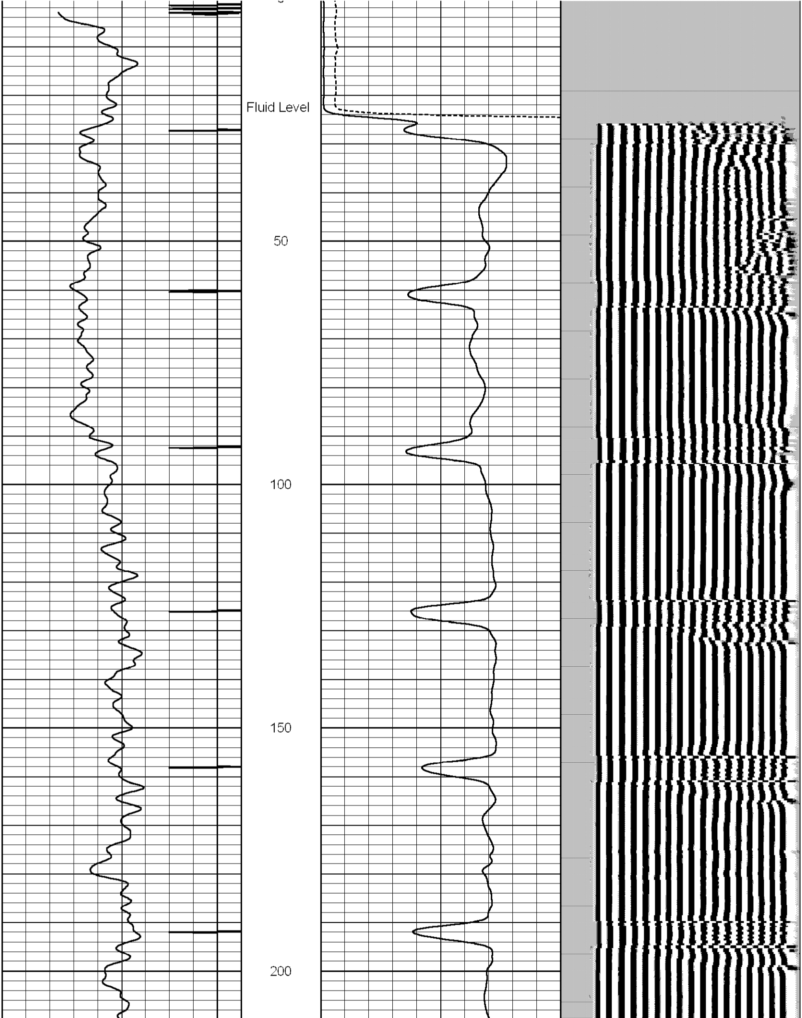
THANK YOU FOR CHOOSING J-W WIRELINE
DEPTH REFERENCE TO E-LOG DATED 3-7-1954

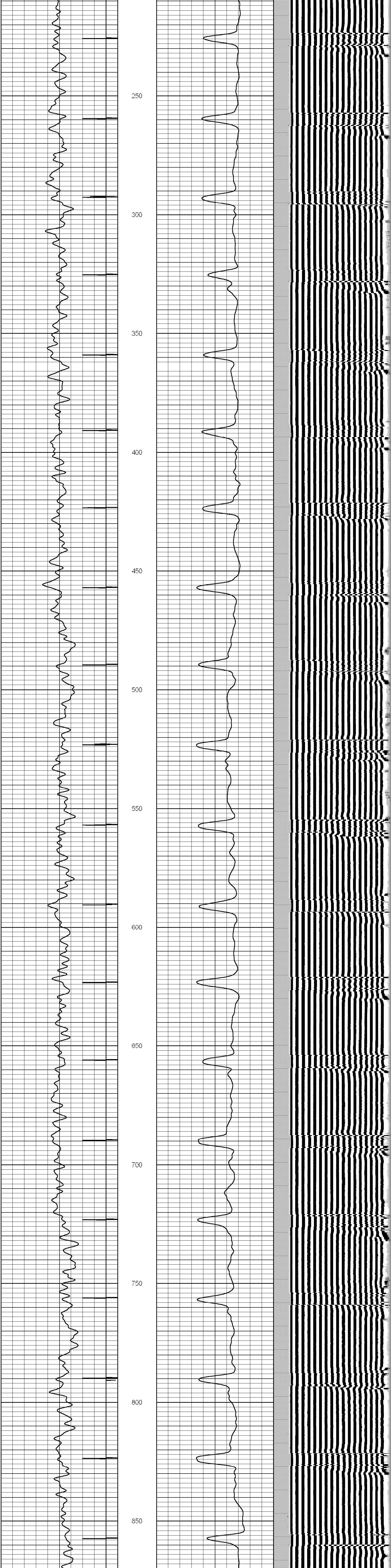
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	19.57		CCL-275tekco (2.75TEKCO) 2 3/4 TEK CCL Earth Mag	1.96	2.75	20.00
			CENT-TEKCO (101)	2.73	2.75	10.00
TEMP	12.78					
WVFS1	11.49					
WVFS2	11.49		275CTEKSECWTWSLCANS-275RIB (123 2 3/4" (R.I.B.) TOOL 3FT, 5FT and 8EA RIB SIGNALS 400 DEG "F" @20K PSI With Sliding Cans For Pressure Ballance	9.13	2.75	102.00
WVFS3	11.49					
WVFS4	11.49					
WVFS5	11.49					
WVFS6	11.49					
WVFS7	11.49					
WVFS8	11.49					
WVF3FT	10.74					
WVFCAL	10.74					
WVFSYNC	10.74					
WVF5FT	9.74					
WVFTEMP	6.41					
			CENT-TEKCO (101)	2.73	2.75	10.00
			GR-TEKCO (101sgr)	3.68	2.75	30.00
GR	1.06					

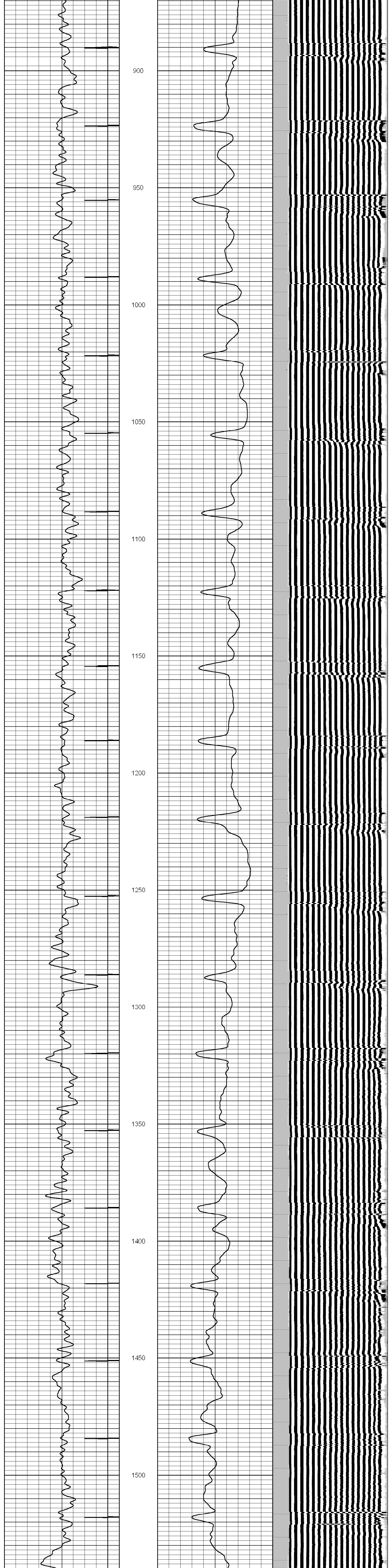
Dataset: glenn b i-1.db: field/well/run1/pass6
Total Length: 20.22 ft
Total Weight: 172.00 lb
O.D. 2.75 in

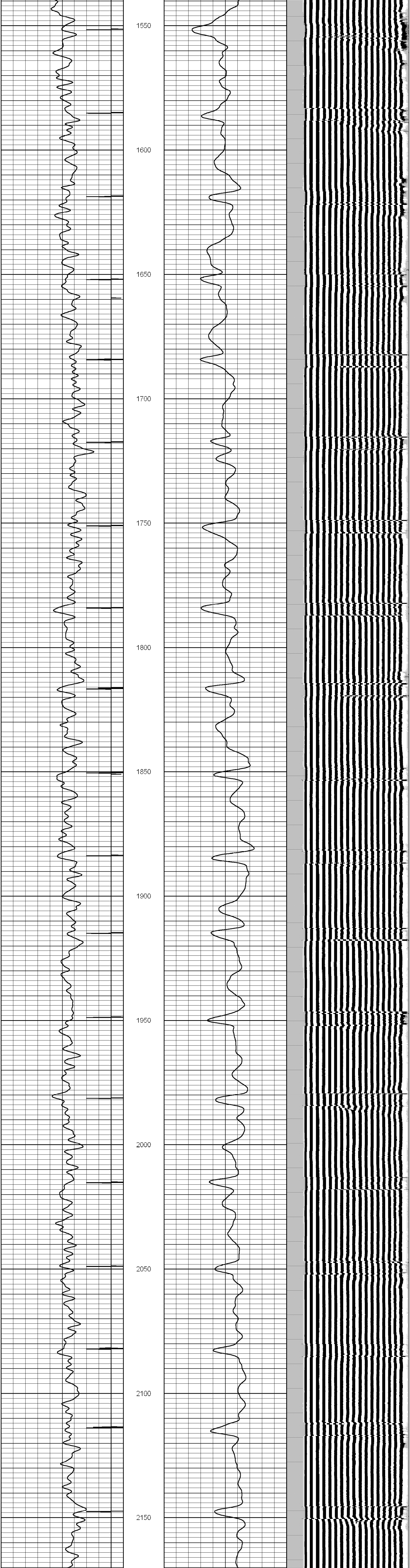
Database File: glenn b i-1.db
Dataset Pathname: pass6
Presentation Format: scbl_sr
Dataset Creation: Wed Aug 06 11:05:13 2014 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

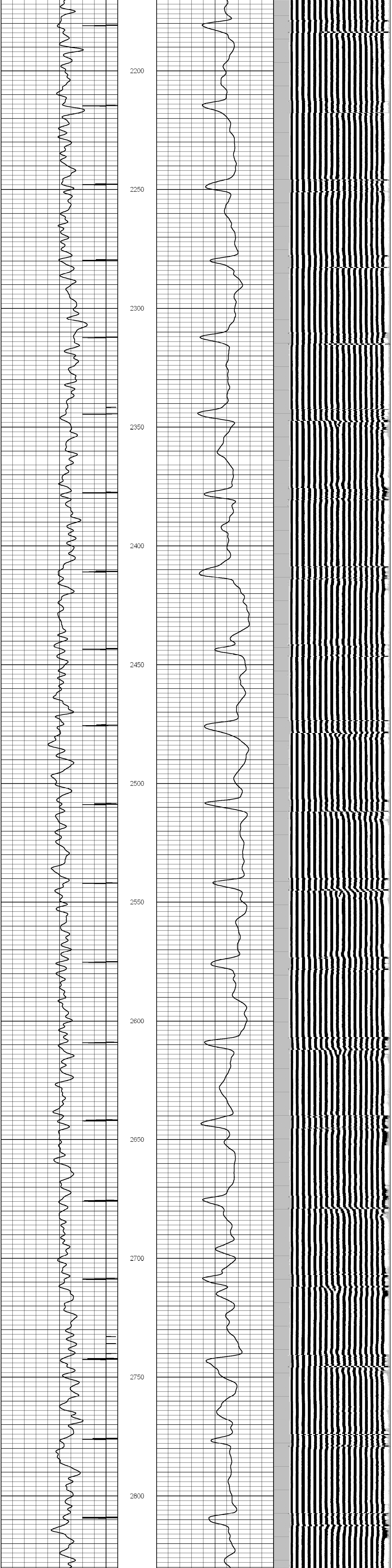
9	Collar Locator	-1	0	Amplified Amplitude (mV)	20	200	VDL	1200
0	Gamma Ray (GAPI)	200	0	Amplitude (mV)	100			

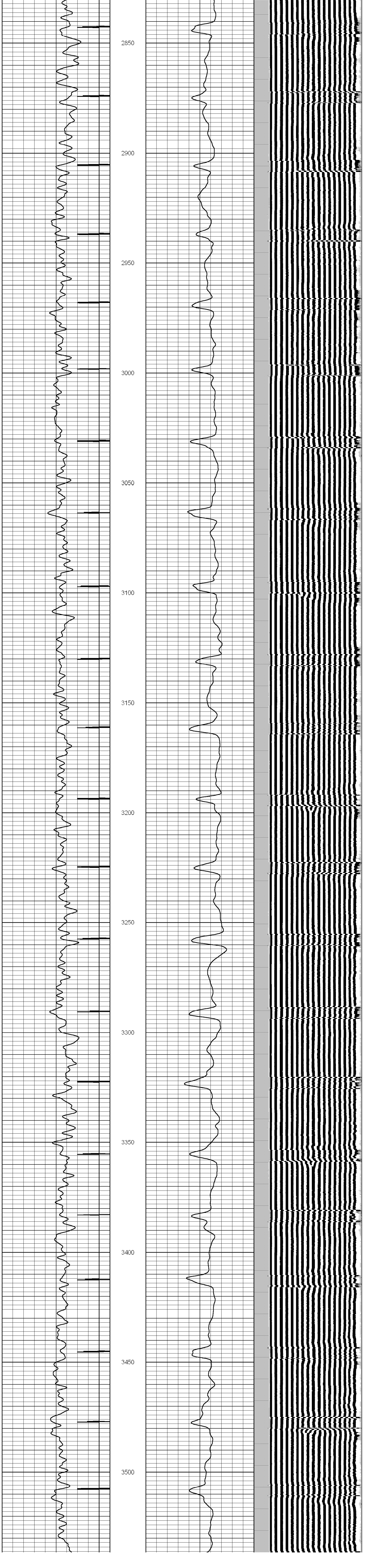


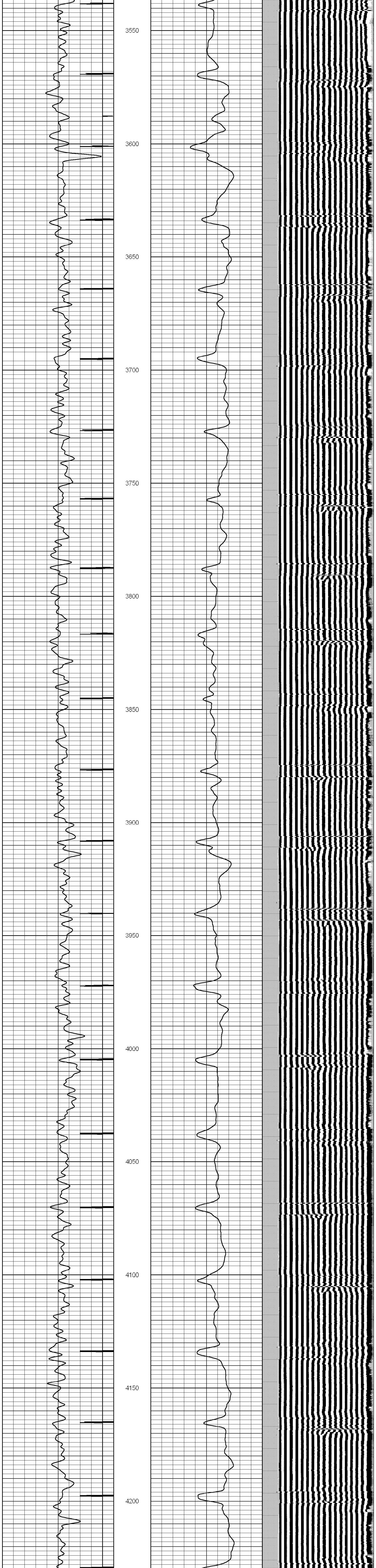


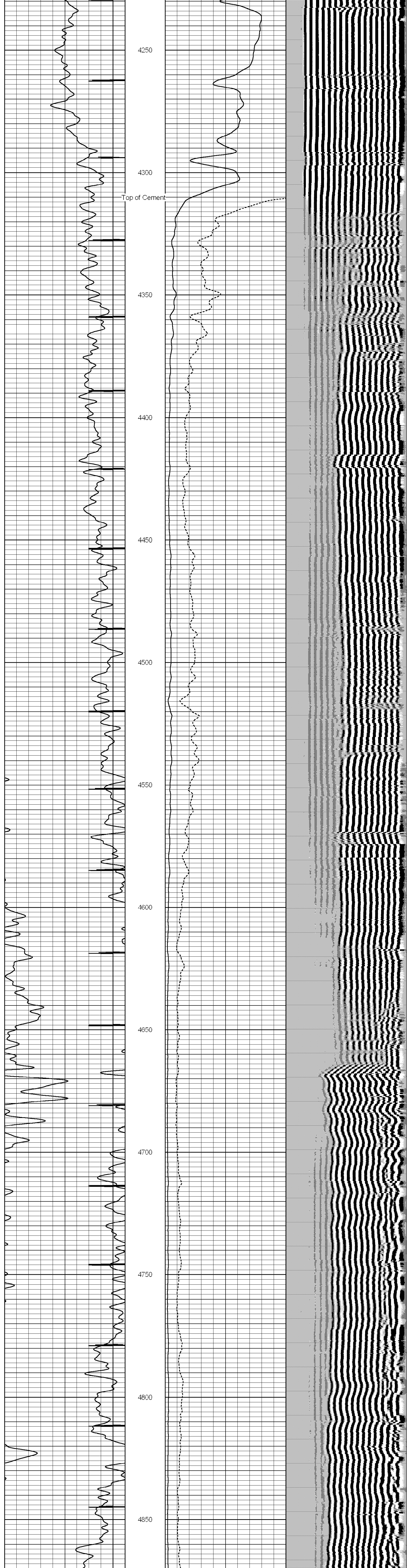


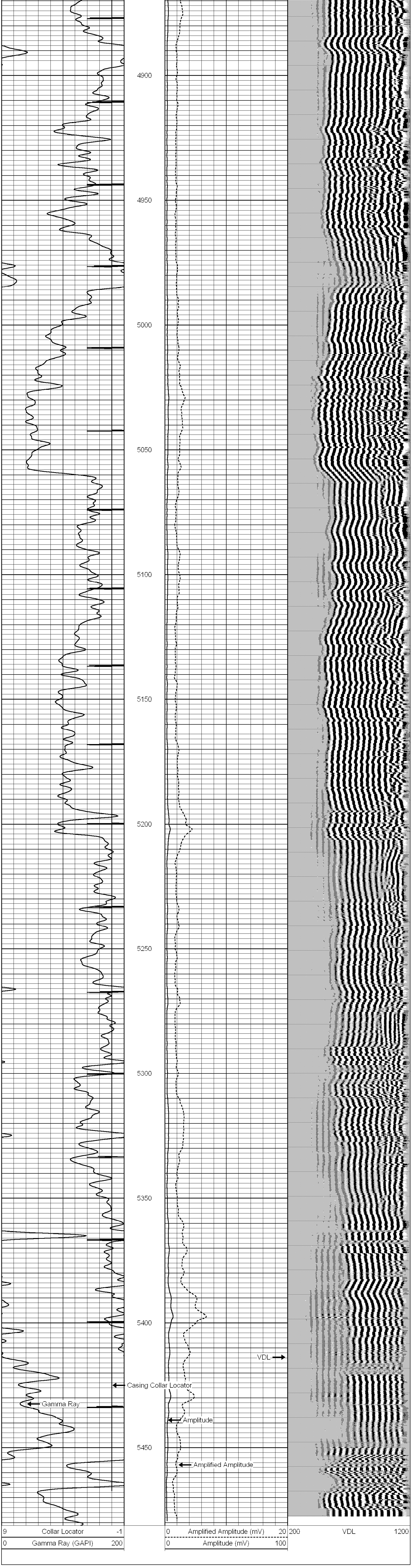







3550
3600
3650
3700
3750
3800
3850
3900
3950
4000
4050
4100
4150
4200


4250
4300
Top of Cement
4350
4400
4450
4500
4550
4600
4650
4700
4750
4800
4850


4900
4950
5000
5050
5100
5150
5200
5250
5300
5350
5400
5450
VDL
Casing Collar Locator
Gamma Ray
Amplitude
Amplified Amplitude
9
Collar Locator
-1
0
Gamma Ray (GAPI)
200
0
Amplified Amplitude (mV)
20
0
Amplitude (mV)
100
200
VDL
1200