PHOENIX SURVEYS, INC.

Cement Bond Log
Gamma Ray - CCL

Company	Encana Oil and Gas (USA) Inc.
Well	Laber 44-24
Field	Wattenberg
County	Boulder
State	Colorado

Company Encana Oil and Gas (USA) Inc.
Well Laber 44-24
Field Wattenberg
County Boulder State Colorado

Location: API # : 05013065780000
NS Feet 510.0 & EW Feet 510.0
SEC 24 TWP 2N RGE 69W

Other Services
MAST

Permanent Datum	Ground Level	Elevation	5000
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		

Elevation
K.B. 5013
D.F. 5012
G.L. 5000

Date	16-Feb-2010			
Run Number	1			
Depth Driller	8155			
Depth Logger	8071			
Bottom Logged Interval	8070			
Top Log Interval	2850			
Open Hole Size	7.875"			
Type Fluid	Water			
Density / Viscosity	8.34			
Max. Recorded Temp.	232 DEGF			
Estimated Cement Top	3250			
Time Well Ready	07:00			
Time Logger on Bottom	08:30			
Equipment Number	#54			
Location	Fort Morgan, CO.			
Recorded By	Sam Hopper			
Witnessed By	Tom Flynn			

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		
Liner				

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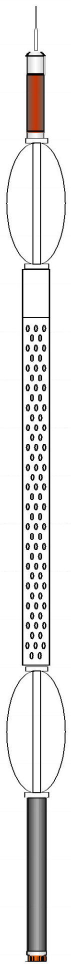
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

First run in hole.
API#: 0501306578000

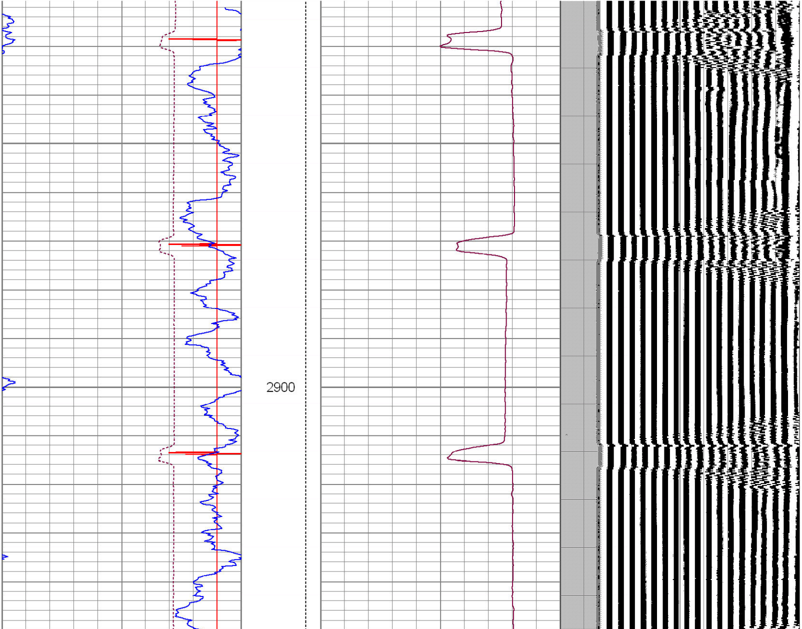


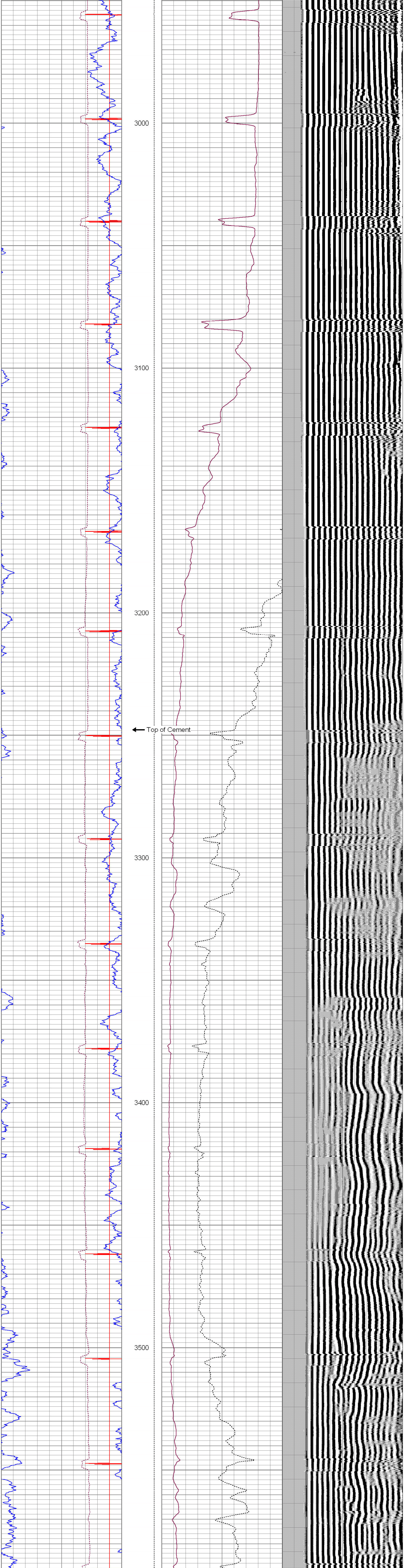
Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		STNDRD Standard Cable Head	1.00	1.69	1.00
CCL	19.06	CCL-titan01 (01t)	1.92	2.75	
		SDSCENT Centralizer	2.88	2.75	20.00
WVF3 WVF5	10.79 9.79	CBL-Probe (050215)	8.75	2.75	93.00
		SDSCENT Centralizer	2.88	2.75	20.00
GR	1.13	GR-probe 2.75 (51013)	3.67	2.75	100.00

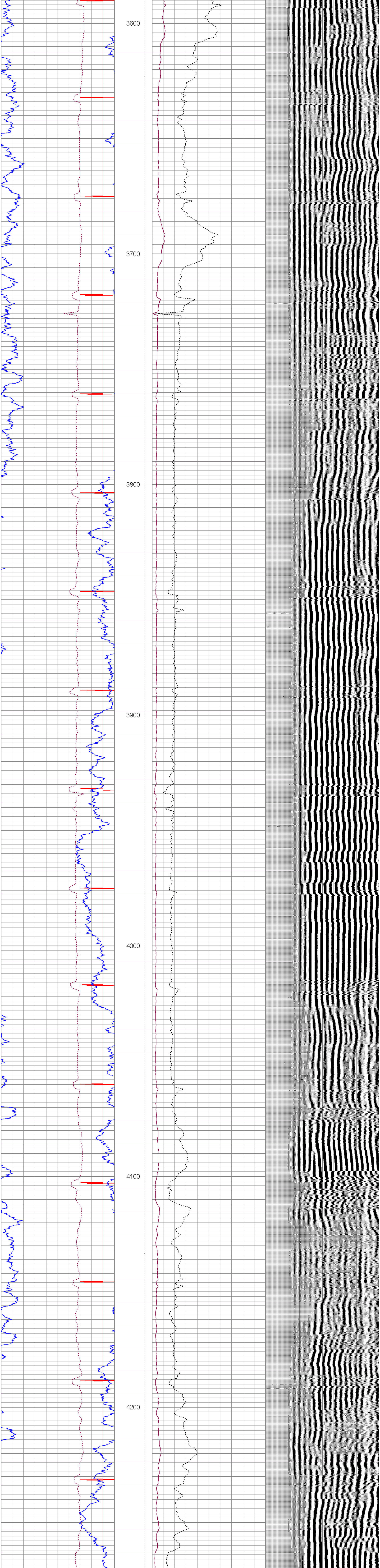
Dataset: encana_labor_44-24.db: field/well/run1/pass9
Total Length: 21.08 ft
Total Weight: 234.00 lb
O.D. 2.75 in

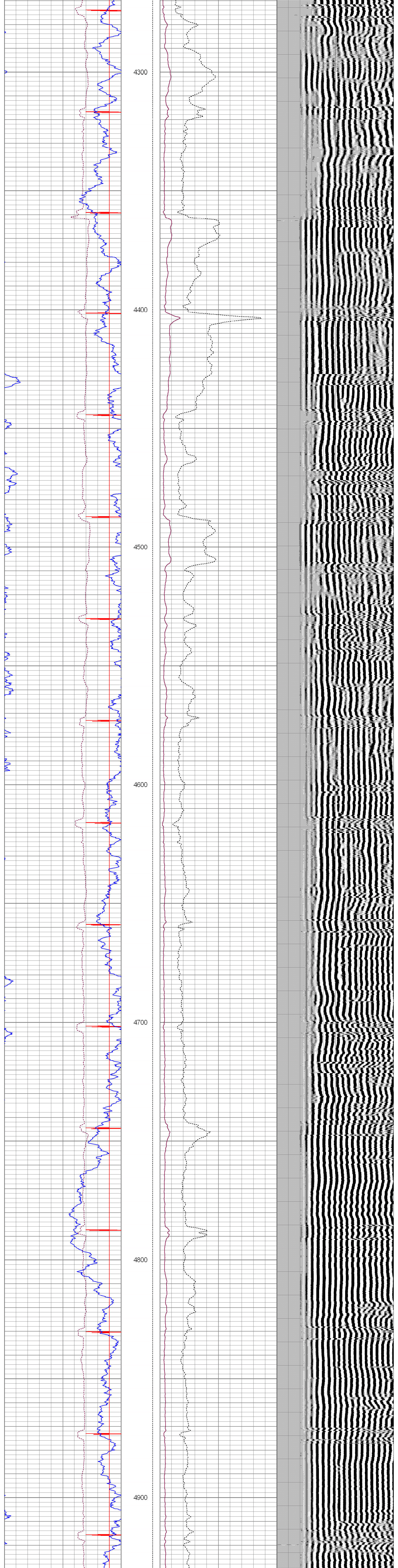
Database File:	c:\warrior\bin32\encana_labor_44-24.db
Dataset Pathname:	pass9
Presentation Format:	cbl_dr
Dataset Creation:	Tue Feb 16 09:18:15 2010 by Log Std Casedhole 07122
Charted by:	Depth in Feet scaled 1:240

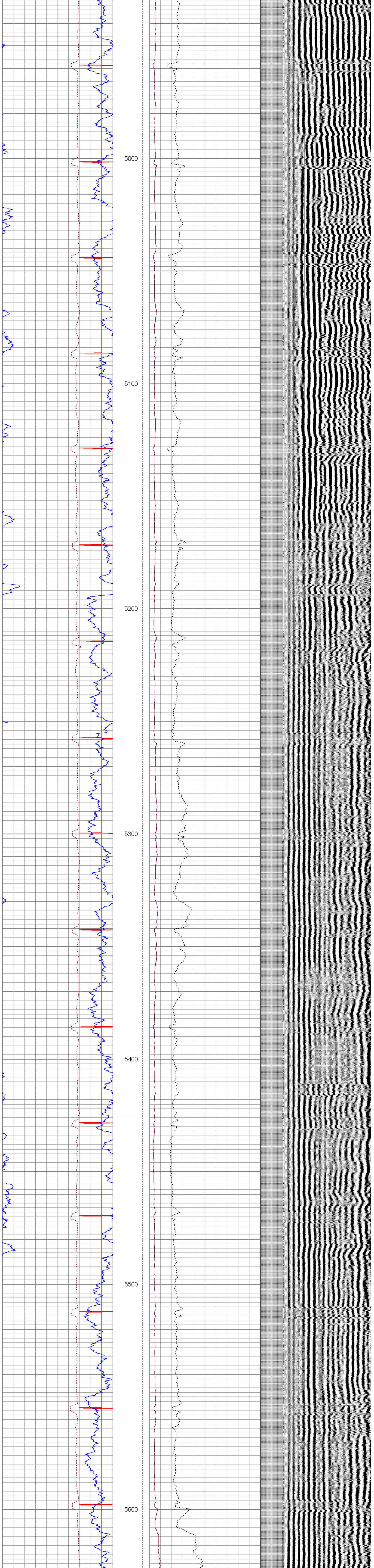
324	Travel Time (usec)	225	LTEN	0	Amplified Amplitude (mV)	20	200 Variable Density	1200
9	CCL	-1	0 (lb)1000	0	Amplitude (mV)	100		
0	GR (GAPI)	200						

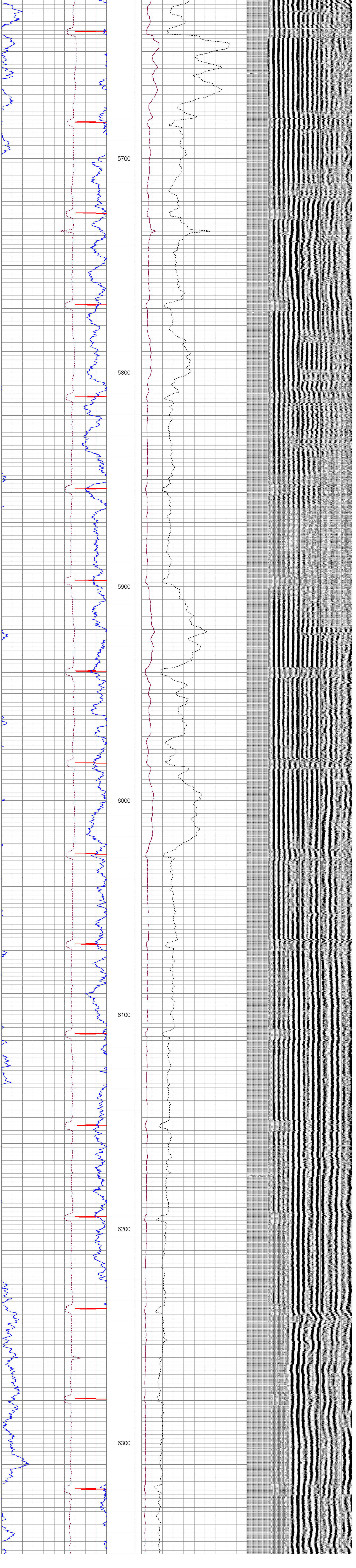


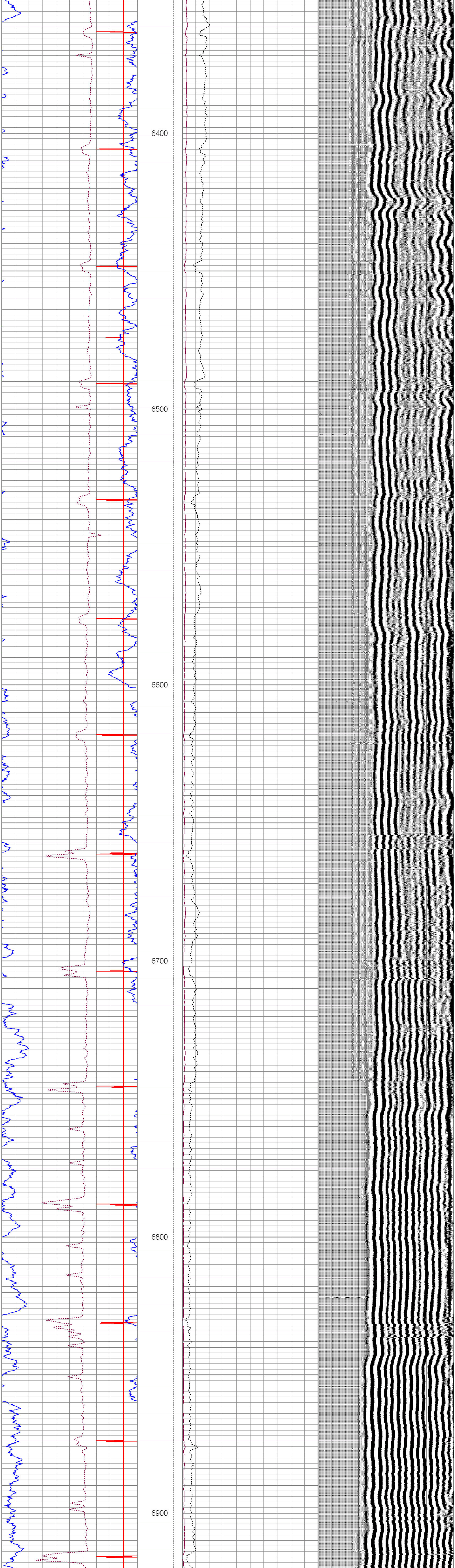








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6500
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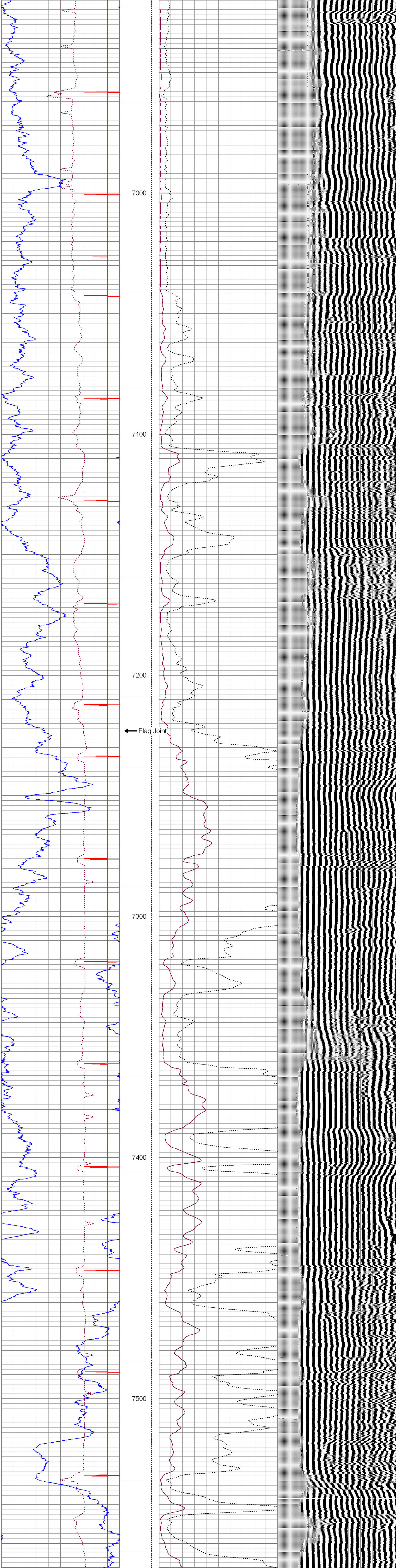
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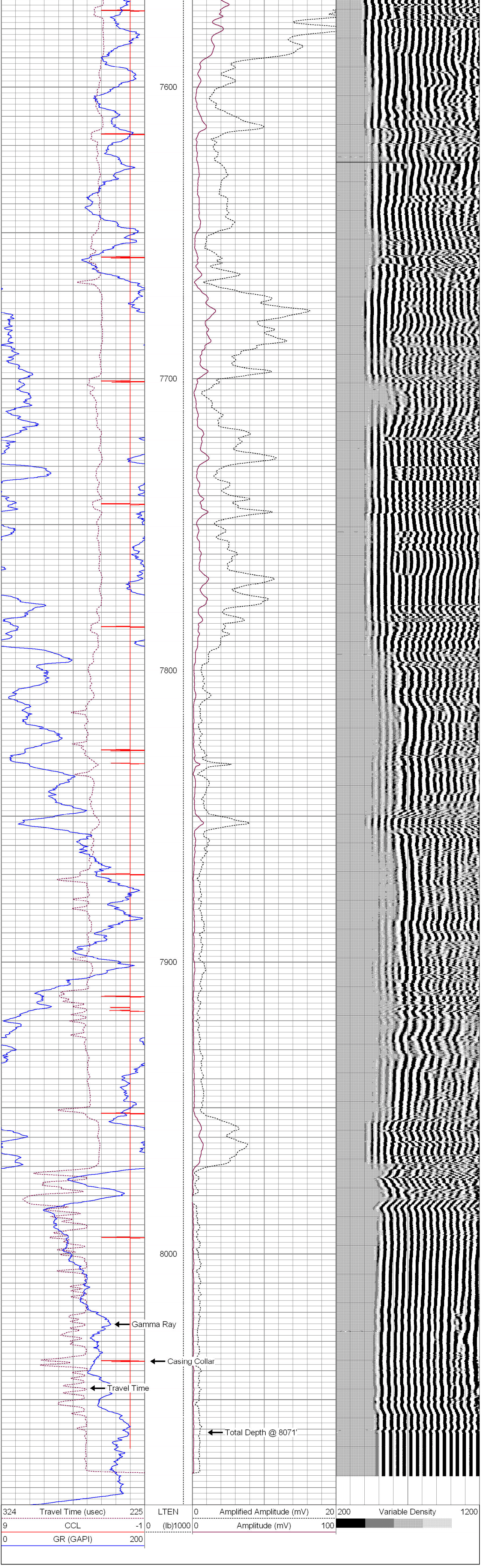
7100
7200
Flag Joint
7300
7400
7500


7600
7700
7800
7900
8000
Gamma Ray
Casing Collar
Travel Time
Total Depth @ 8071'
324 Travel Time (usec) 225
9 CCL -1
0 GR (GAPI) 200
LTEN
0 (lb)1000
0 Amplified Amplitude (mV) 20
0 Amplitude (mV) 100
200 Variable Density 1200