

CEMENT BOND LOG

Company MULL DRILLING COMPANY, INC.

Well TJADEN "C" #4

Field

County KINGMAN State KANSAS

Location 1980' FSL & 660' FWL

SEC. 18

TWP. 30S

RGE. 7W

Elevation

K.B. 1486
D.F. 1485
G.L. 1476Company MULL DRILLING
Well TJADEN "C" #4
Field
County KINGMAN
State KANSASPermanent Datum GROUND LEVEL Elevation 1476
Log Measured From KELLY BUSHING 10' AGL
Drilling Measured From KELLY BUSHING

Date 10-14-2014

Run Number ONE

Depth Driller 4740

Depth Logger 4677

Bottom Logged Interval 4676

Top Log Interval 3150

Open Hole Size WATER

Type Fluid

Density / Viscosity

Max. Recorded Temp. 3350

Estimated Cement Top

Time Well Ready

Time Logger on Bottom

Equipment Number #53

Location GREAT BEND

Recorded By LANCE GREGG

Witnessed By MR. TIM HOSS

Borehole Record

Run Number

Bit

From

To

Size

Weight

From

To

Tubing Record

Run Number

Bit

From

To

Size

Weight

From

To

Casing Record

Surface String

Size

Wgt/Ft

23#

Top

Bottom

0

226

Prot. String

Production String

5.5

17#

0

4719

Liner

<<< Fold Here >>>

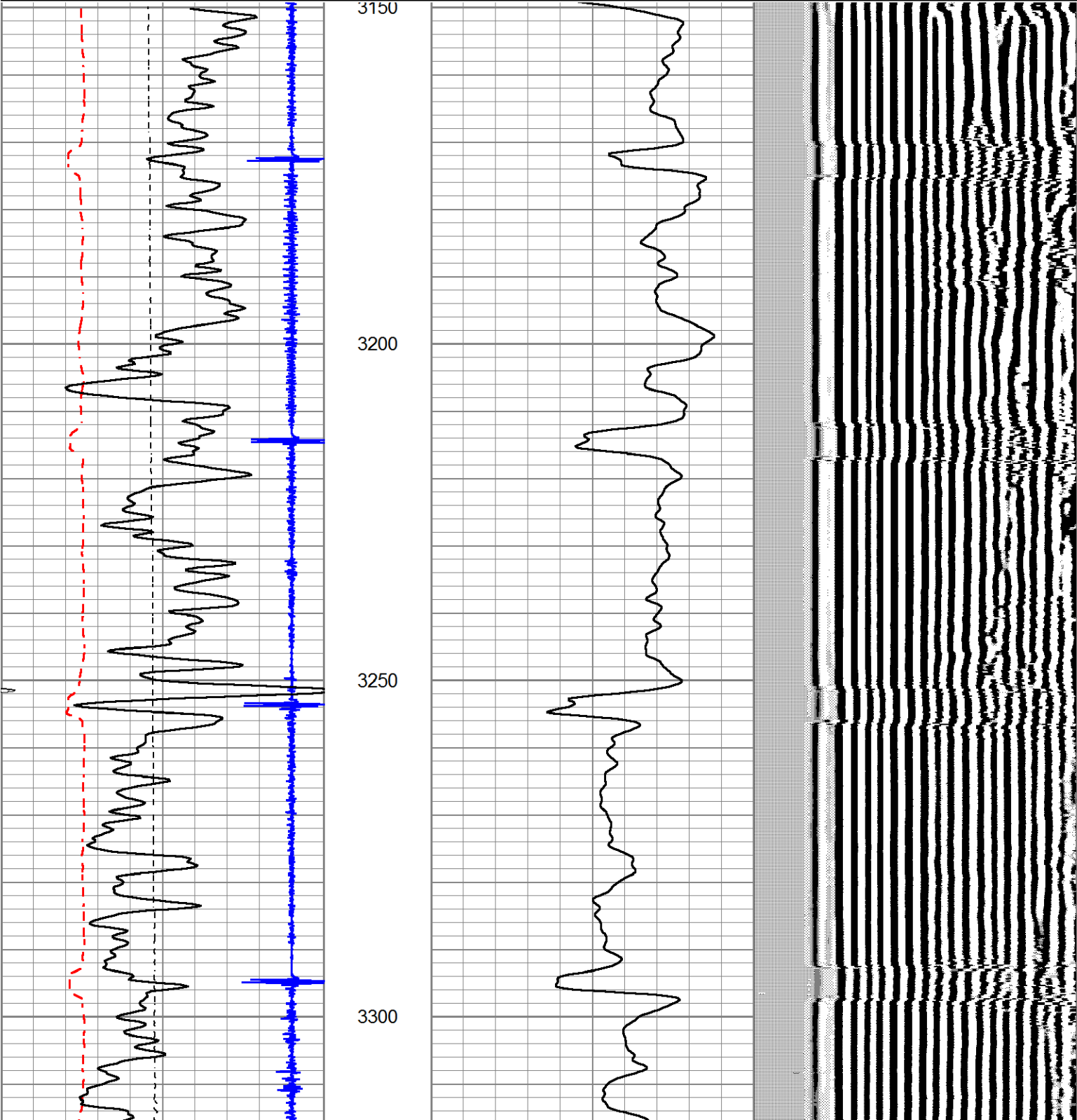
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

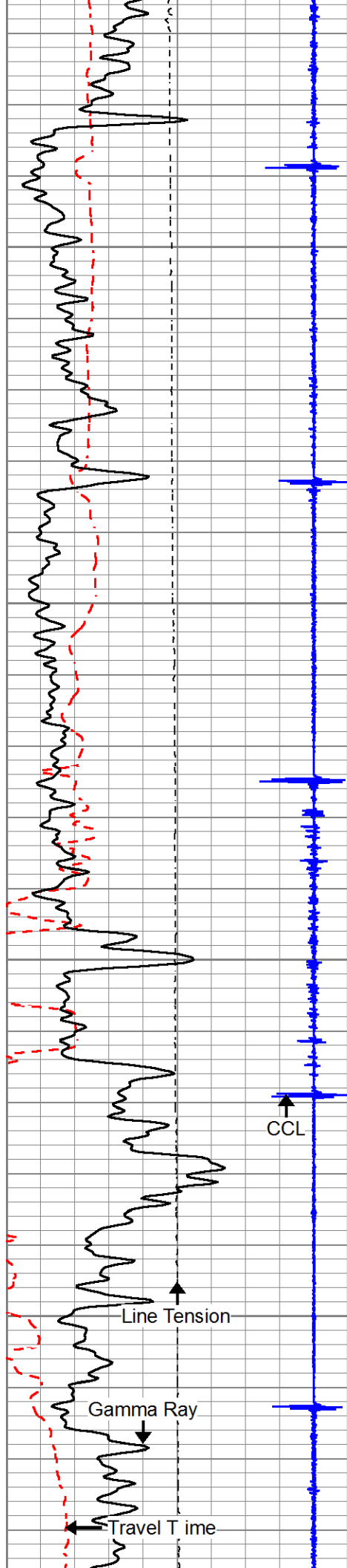
Comments

THANK YOU FOR USING LOG TECH OF KASNSAS

Database File	tjaden.db
Dataset Pathname	pass3
Presentation Format	scbl_dr
Dataset Creation	Tue Oct 14 12:17:34 2014
Charted by	Depth in Feet scaled 1:240

320	Travel Time (usec)	120	0	Amplitude (mV)	100	200	VDL	1200
-9	Collar Locator	1						
0	LTEN (lb)	1500						
0	Gamma Ray (GAPI)	150						
150	Gamma Ray (GAPI)	300						
300	Gamma Ray (GAPI)	450						





3350

Top of Cement

3400

3450

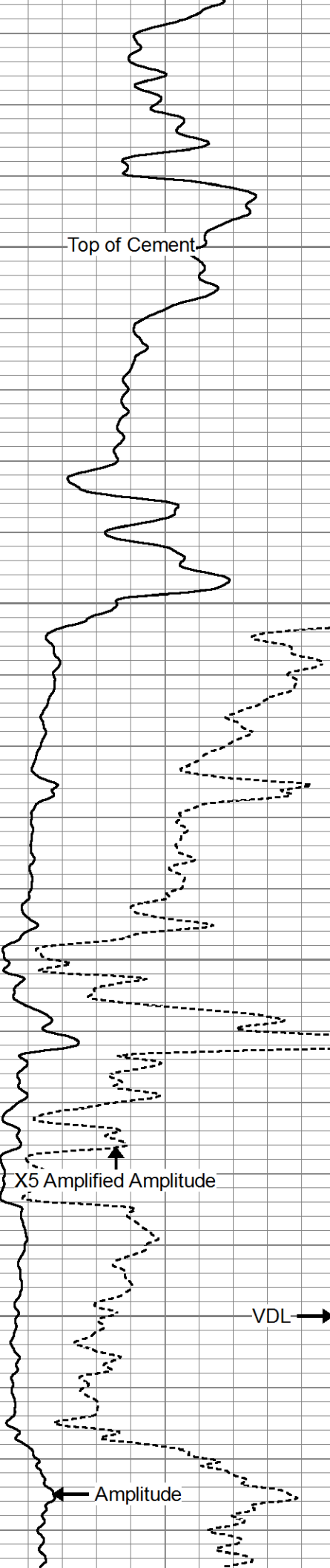
CCL

Line Tension

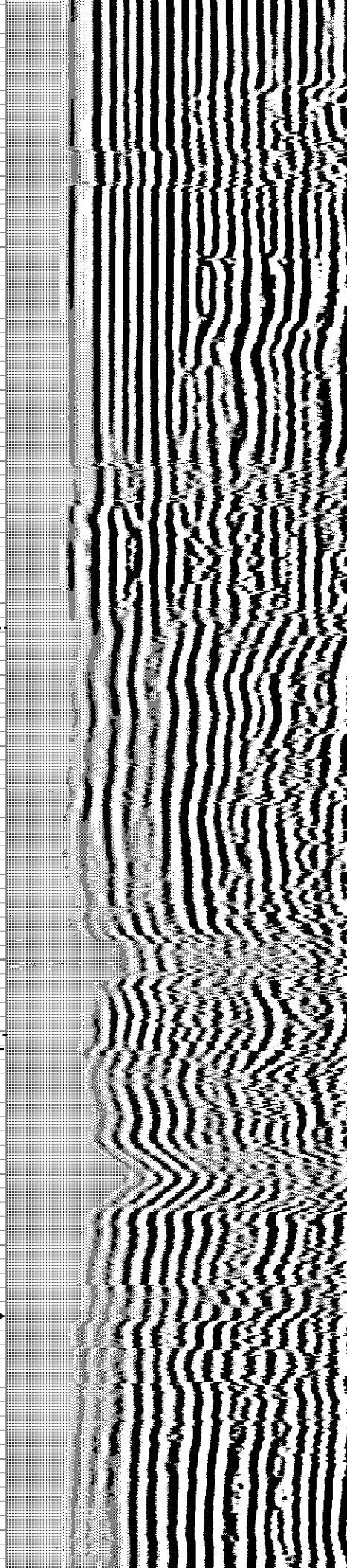
Gamma Ray

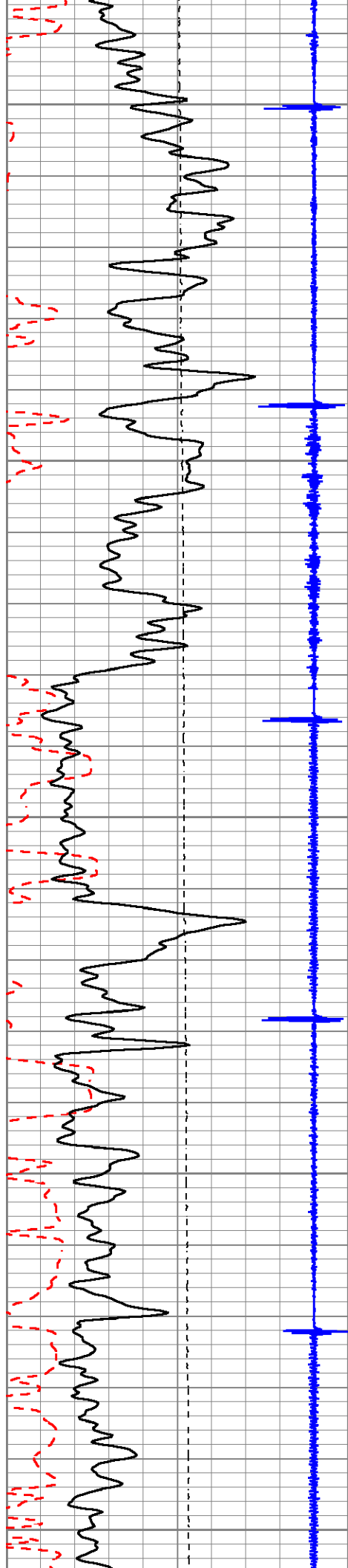
Travel Time

3500



VDL





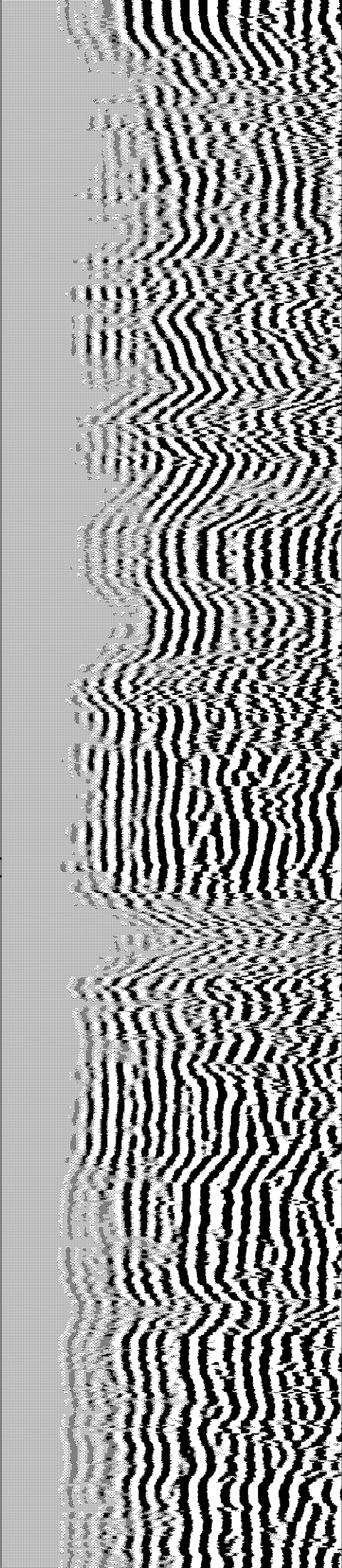
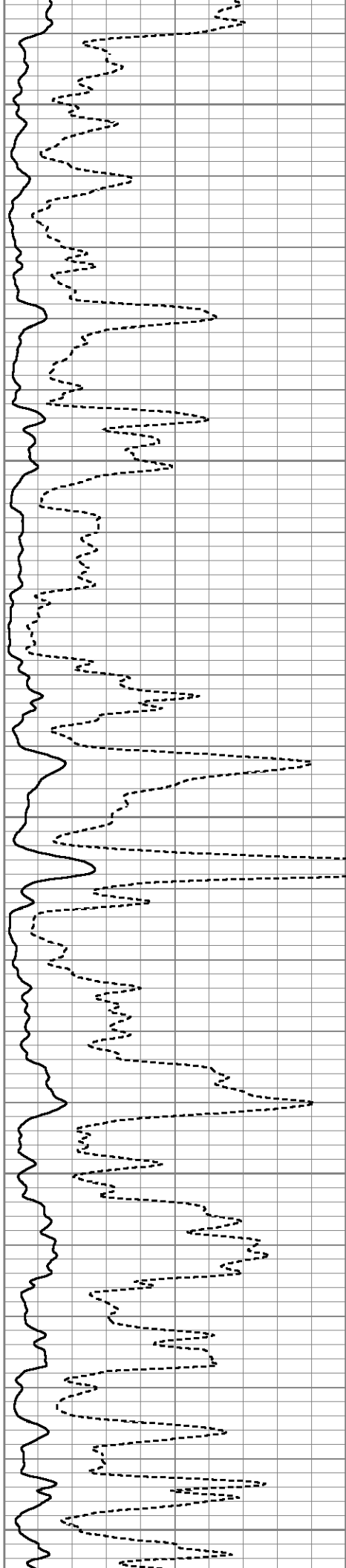
3550

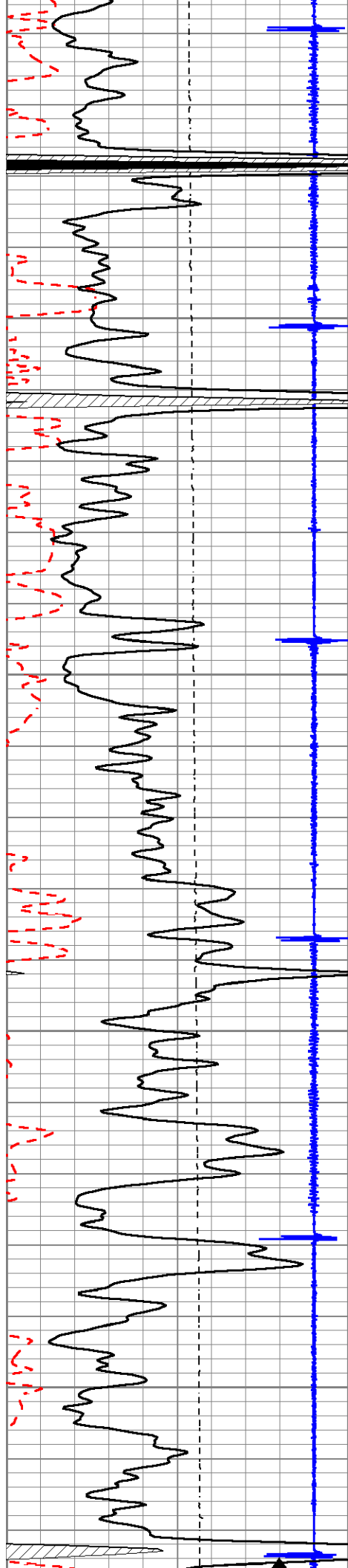
3600

3650

3700

3750



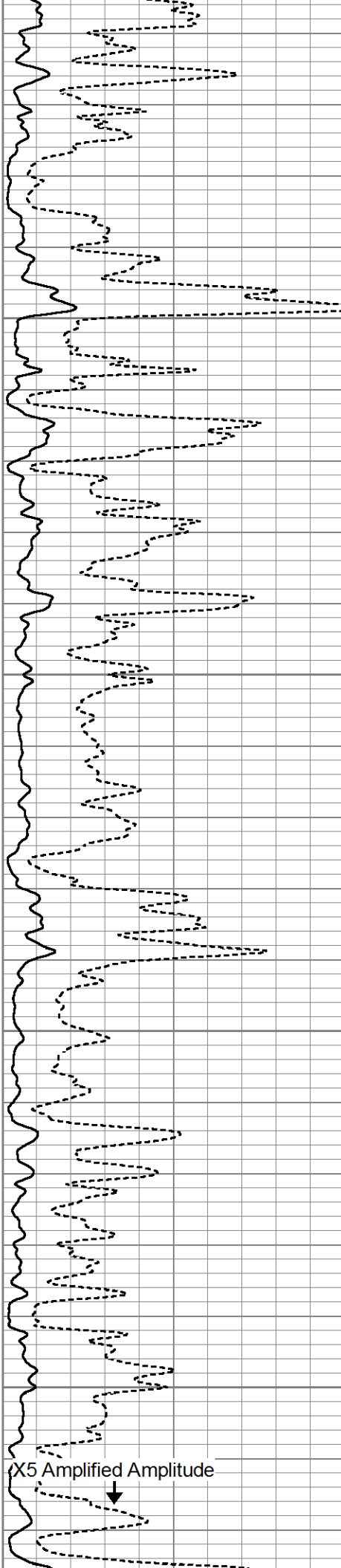


3800

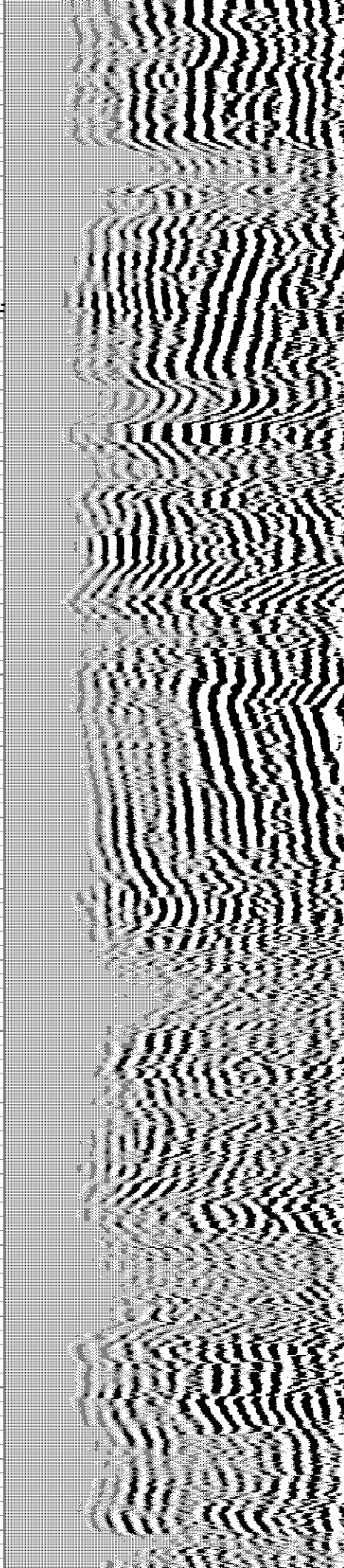
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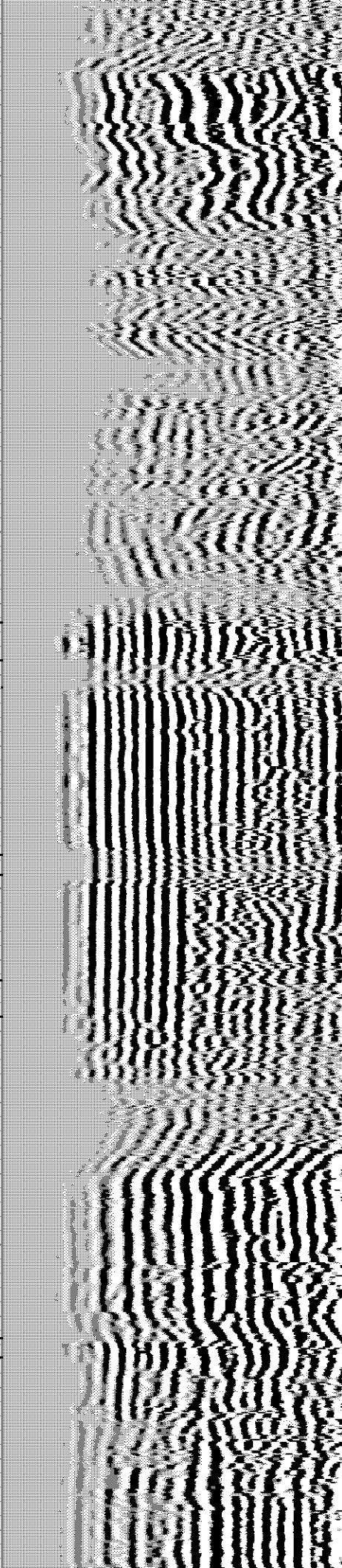
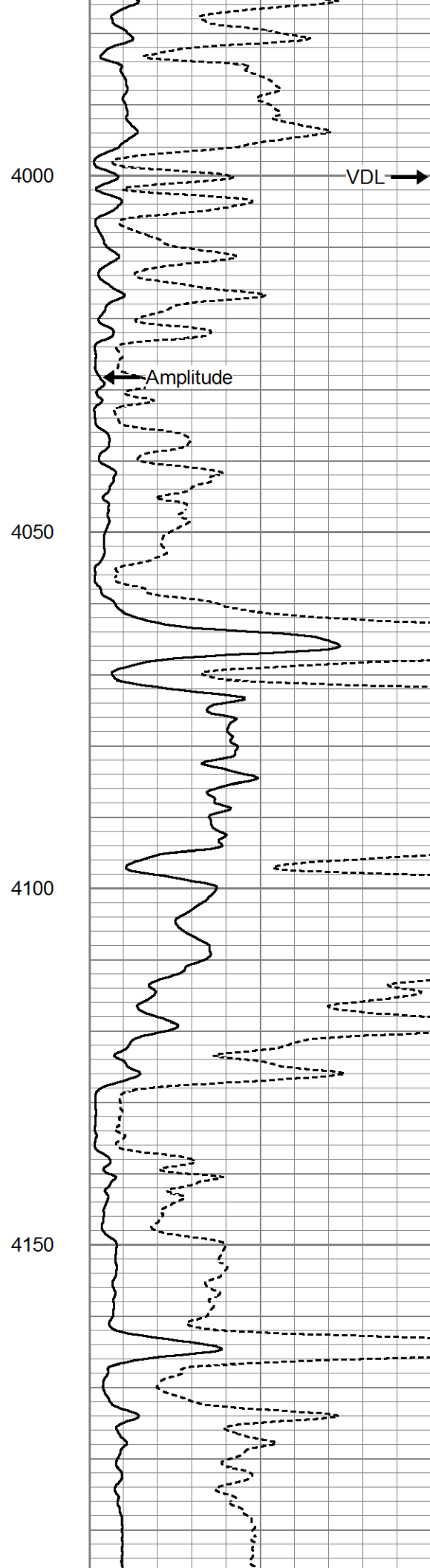
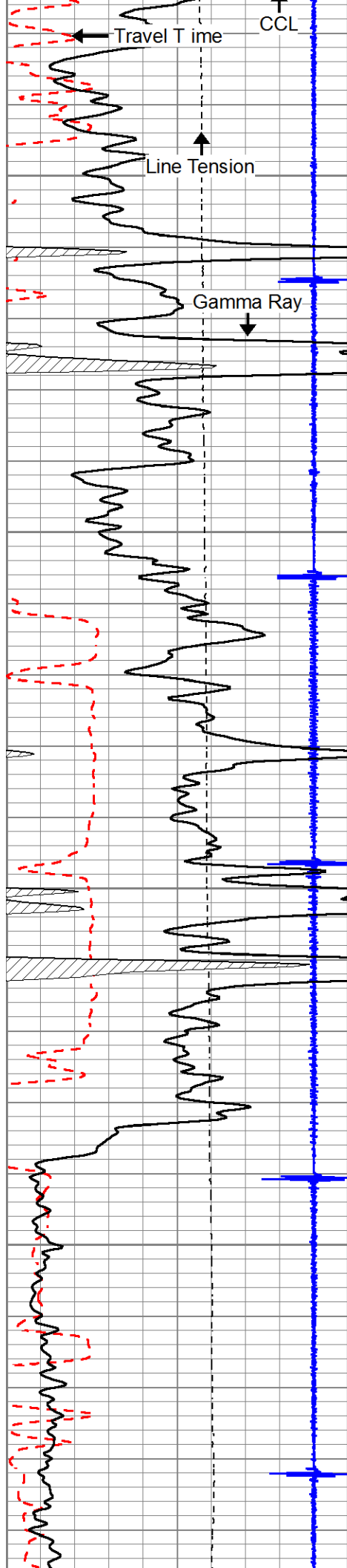
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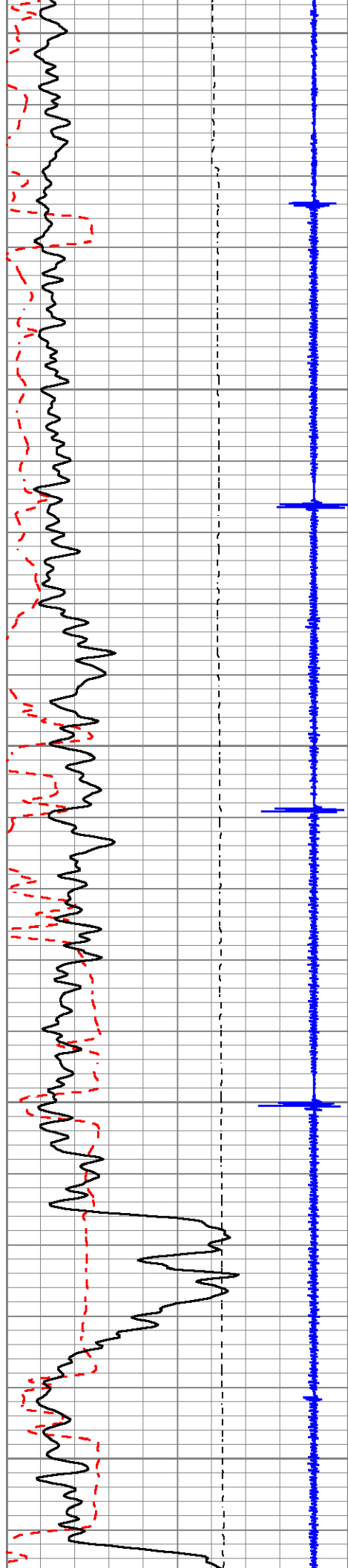
3950



X5 Amplified Amplitude







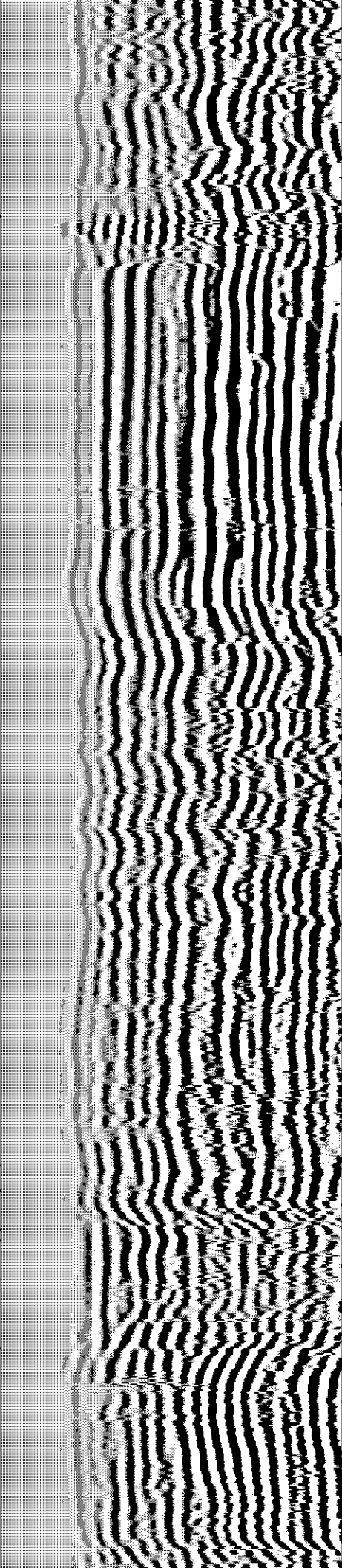
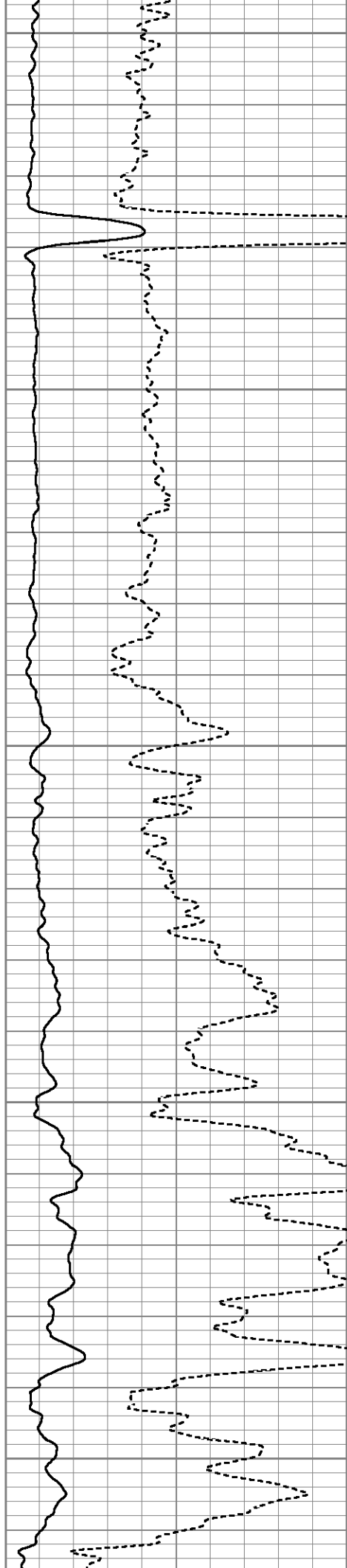
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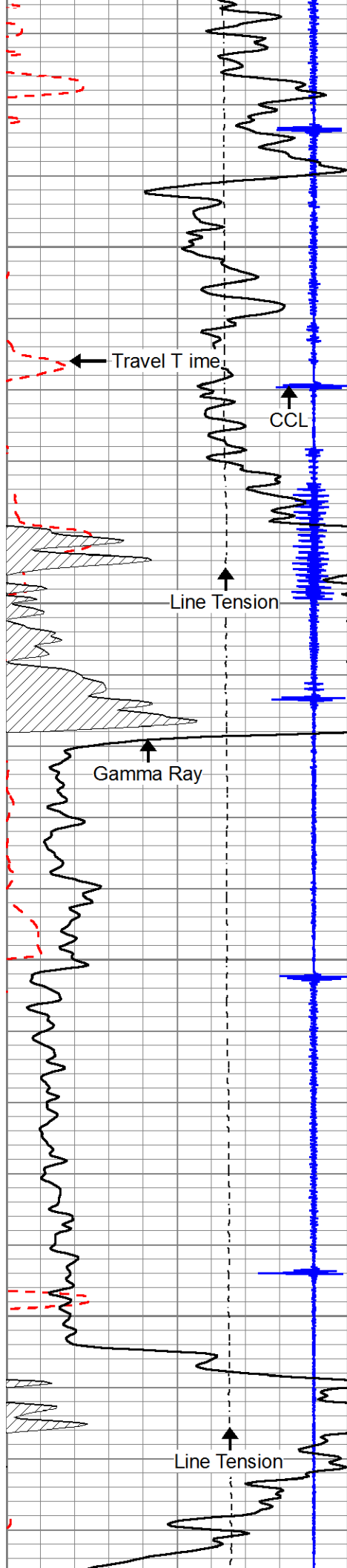
4250

4300

4350

4400





4450

Travel Time

CCL

Line Tension

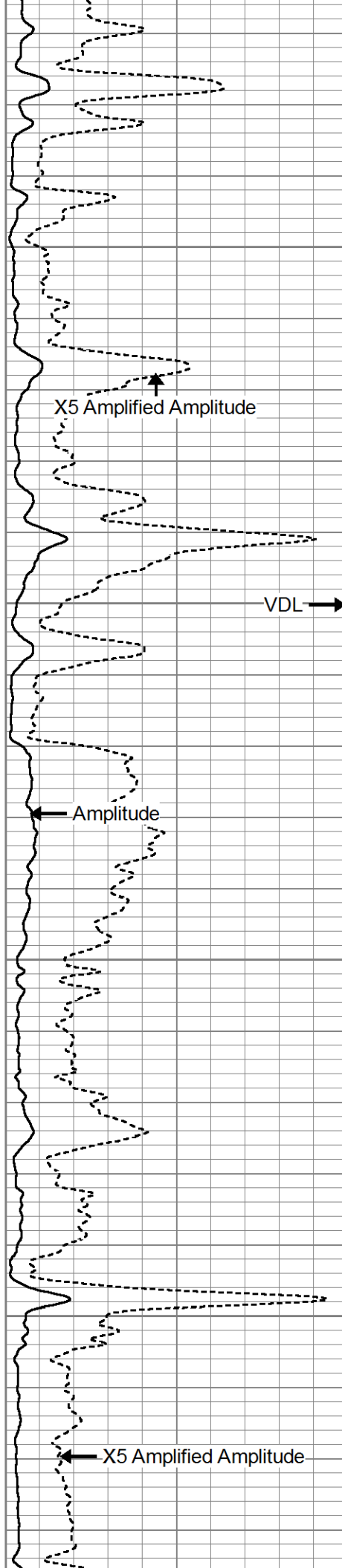
Gamma Ray

4500

4550

4600

Line Tension

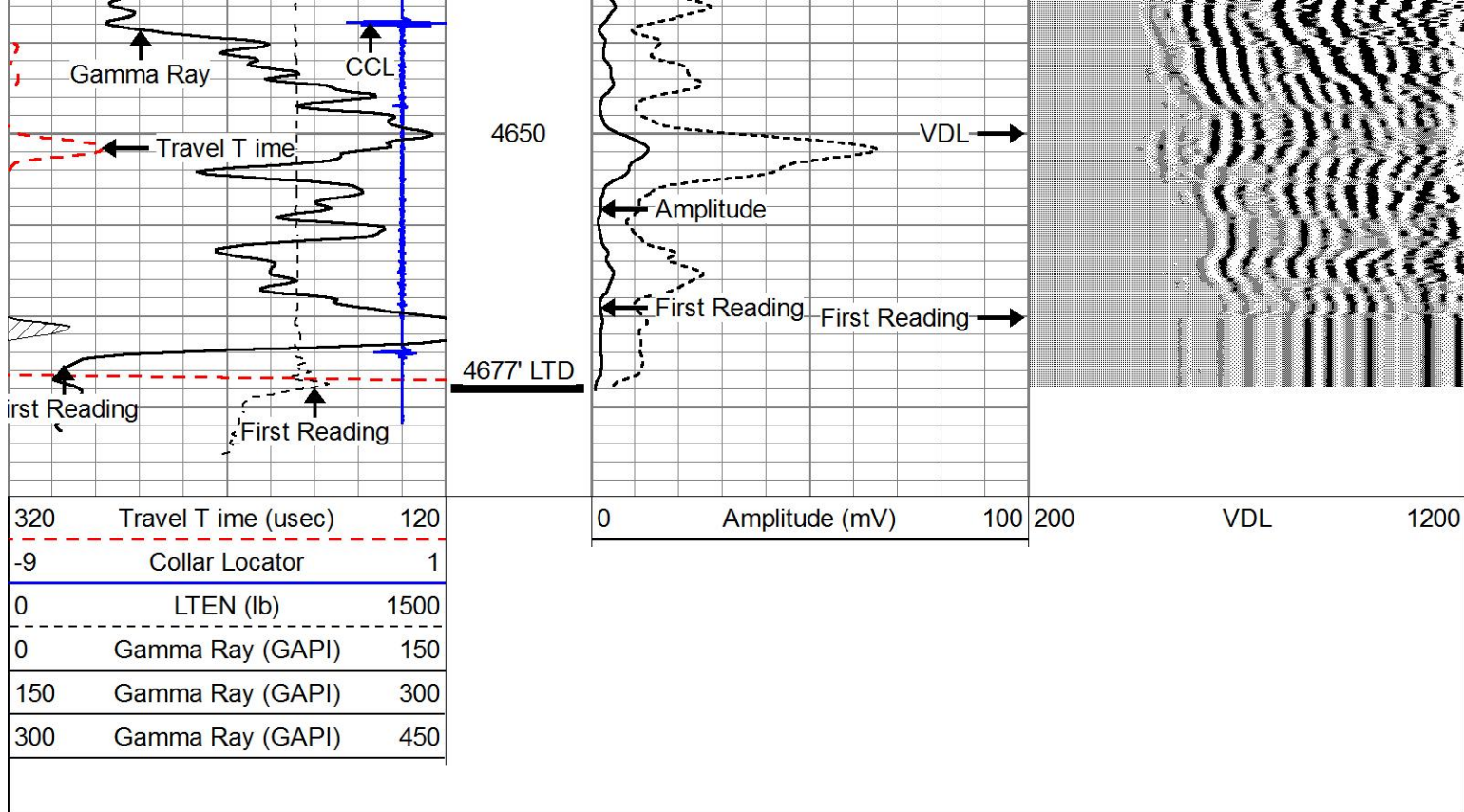


X5 Amplified Amplitude

VDL

Amplitude

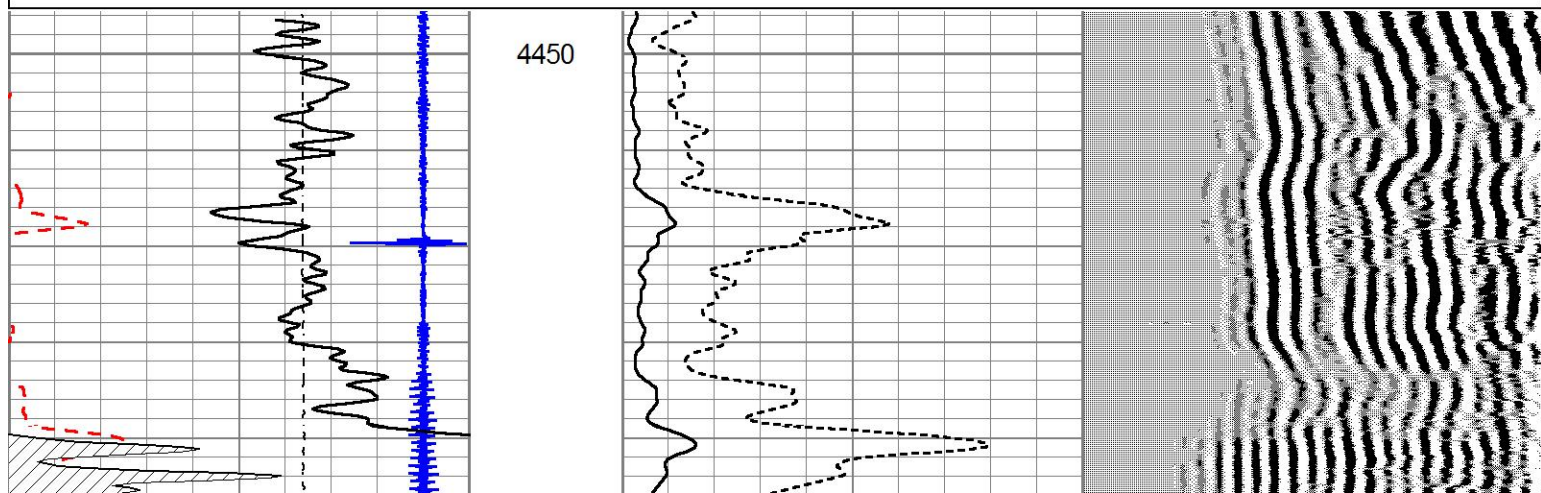
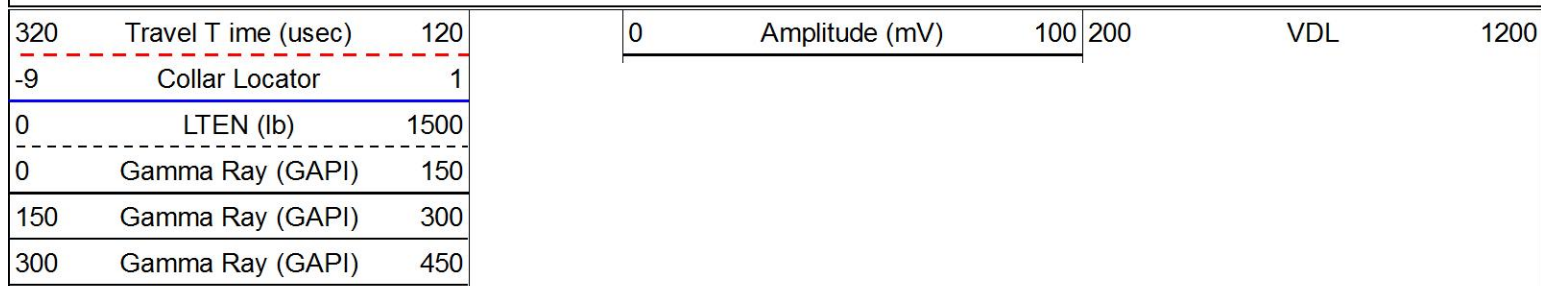
X5 Amplified Amplitude

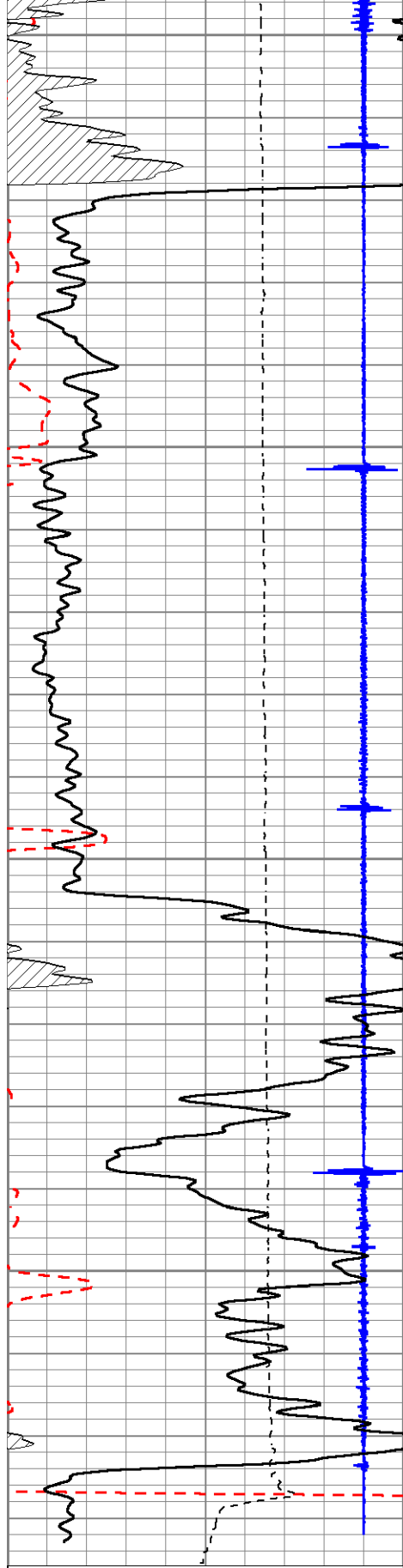


LOG-TECH
of Kansas Inc.
 GREAT BEND, KANSAS

REPEAT SECTION

Database File tjaden.db
 Dataset Pathname pass2
 Presentation Format scbl_dr
 Dataset Creation Tue Oct 14 12:09:15 2014
 Charted by Depth in Feet scaled 1:240





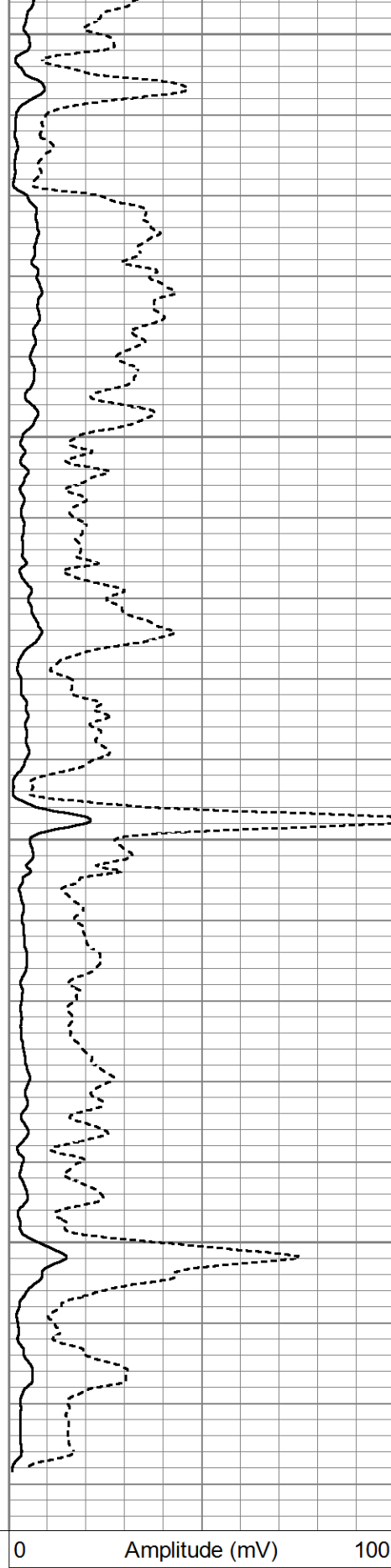
4500

4550

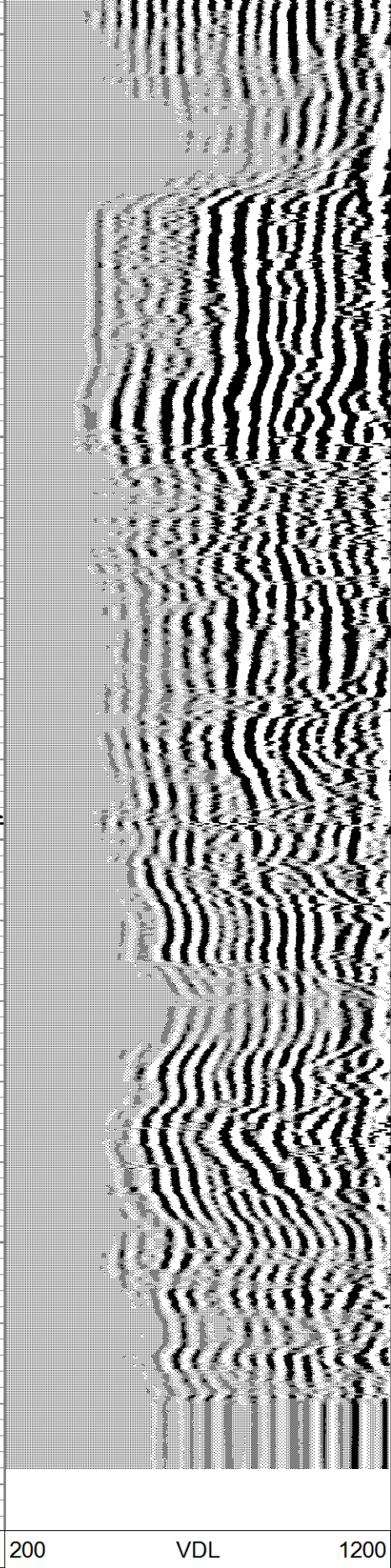
4600

4650

320	Travel Time (usec)	120
-9	Collar Locator	1
0	LTEN (lb)	1500
0	Gamma Ray (GAPI)	150
150	Gamma Ray (GAPI)	300
300	Gamma Ray (GAPI)	450



0 Amplitude (mV) 100



200 VDL 1200

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
WVF3FT	8.76		CHD-STNDRD Standard Cable Head	1.00	1.69	10.00
			cbl-probecbl (probecbl1) probe cbl	8.75	2.75	92.00
WVF5FT	7.76					
WVFSYNC	4.57					
CCL	3.69		CCL-Probe (275) probe ccl	1.55	2.75	30.00
GR	0.89		GR-probegr (progr1) probe gamma ray	3.02	2.75	20.00

Total length:	14.32 ft
Total weight:	152.00 lb
O.D.:	2.75 in