



# SONIC LOG

Company **LAWCO HOLDINGS, LLC.**  
 Well **RADCLIFF # 5-5**  
 Field **COUNTRYMAN**  
 County **COWLEY** State **KANSAS**

Location: **API # : 15-035-24696-0000**  
**N/2 SE SE SE**  
**600' FSL & 330' FEL**  
**SEC 5 TWP 33S RGE 7E**

Permanent Datum **GL** Elevation **1306'**  
 Log Measured From **GL**  
 Drilling Measured From **GL**

Other Services  
**LDT/SWN,**  
**DIL, MEL**

Elevation  
 K.B. ---  
 D.F. ---  
 G.L. **1306'**

Date	9-24-2018
Run Number	ONE
Depth Driller	3302'
Depth Logger	3302'
Bottom Logged Interval	3300'
Top Log Interval	SURFACE
Casing Driller	8 5/8" @ 317'
Casing Logger	8 5/8" @ 317'
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL
Density / Viscosity	9.1 / 70
pH / Fluid Loss	9.5 / 8.4
Source of Sample	FLOWLINE
Rm @ Meas. Temp	2.38 @ 75
Rmt @ Meas. Temp	2.81 @ 75
Rmc @ Meas. Temp	2.01 @ 75
Source of Rmf / Rmc	CAL
Rm @ BHT	1.50 @ 107
Time Circulation Stopped	
Time Logger on Bottom	7:15 AM
Maximum Recorded Temperature	9:30 AM
Equipment Number	107
Location	OW2
Recorded By	HOMINY, OK
Witnessed By	W. LOWERY
	MR. MACKAY

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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

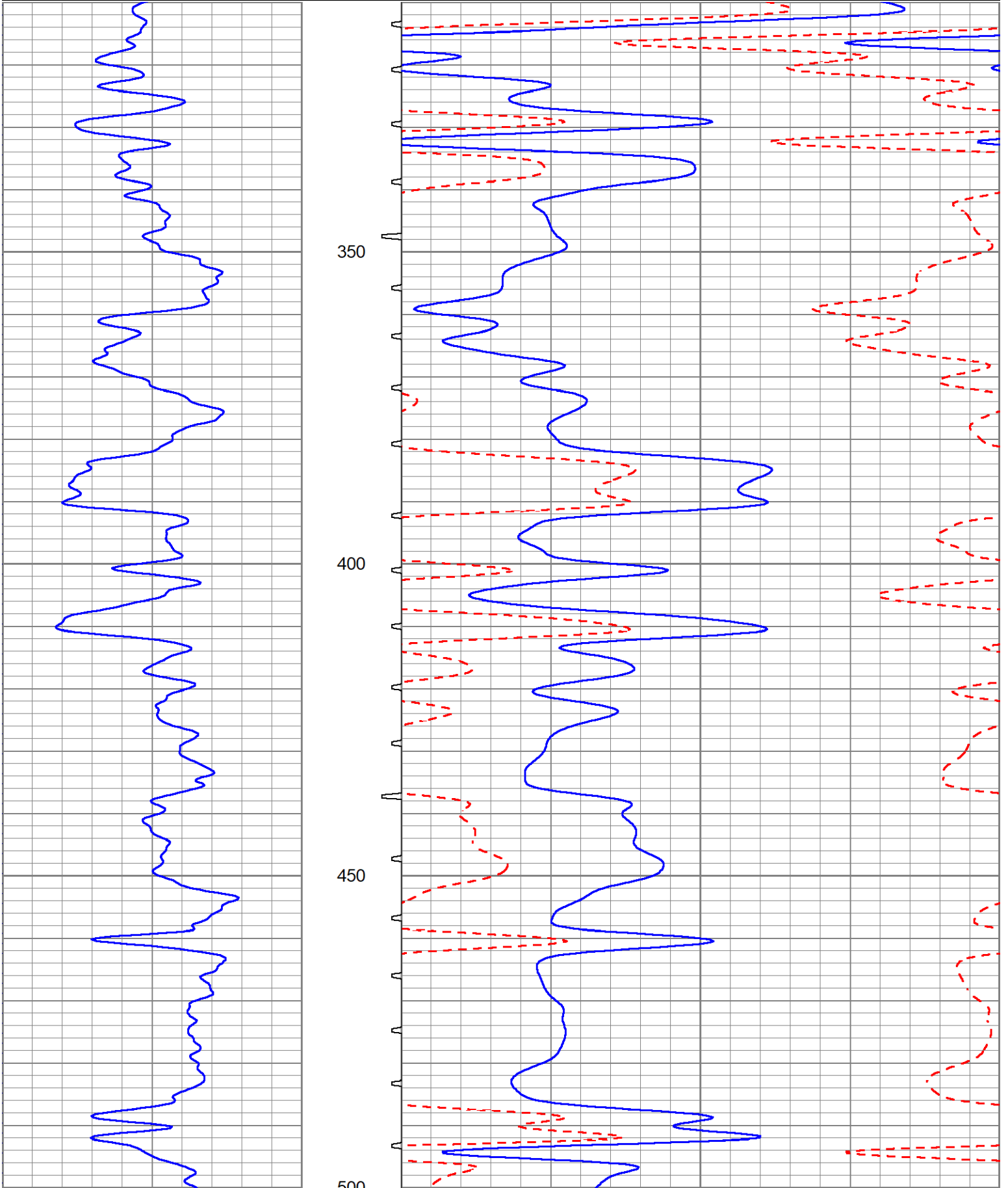
**OW2-9146**  
**CREW : C. SHAMBLES**

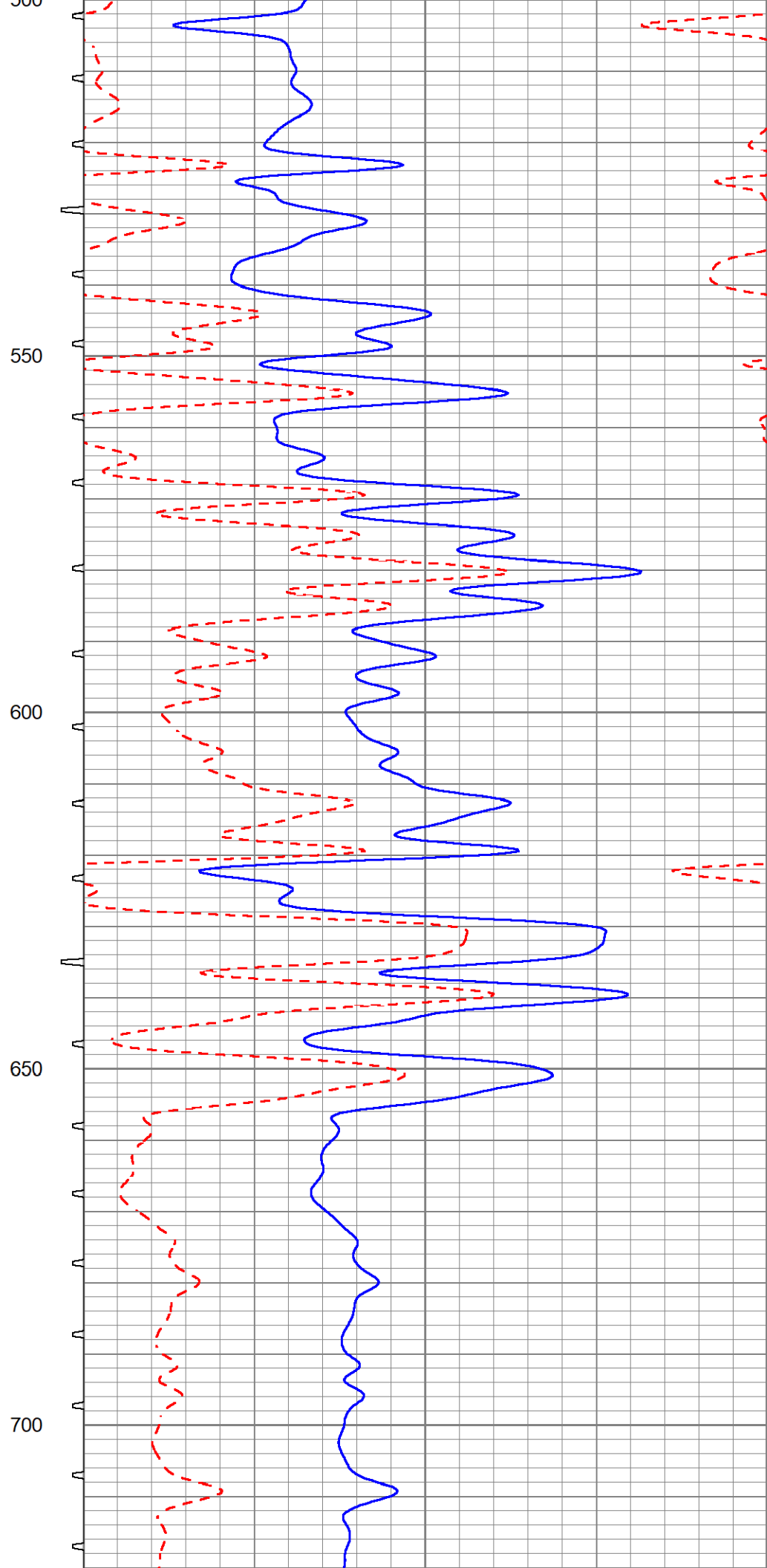
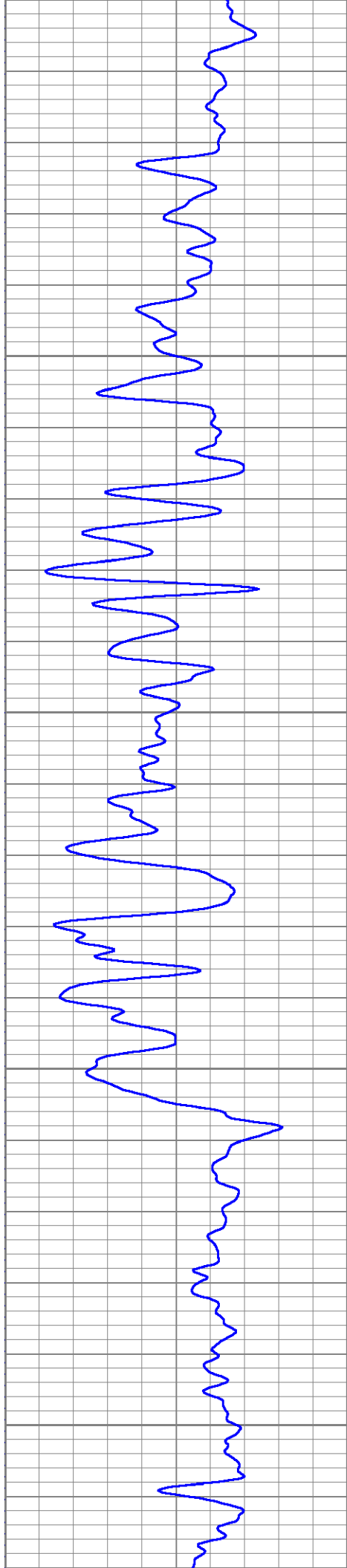


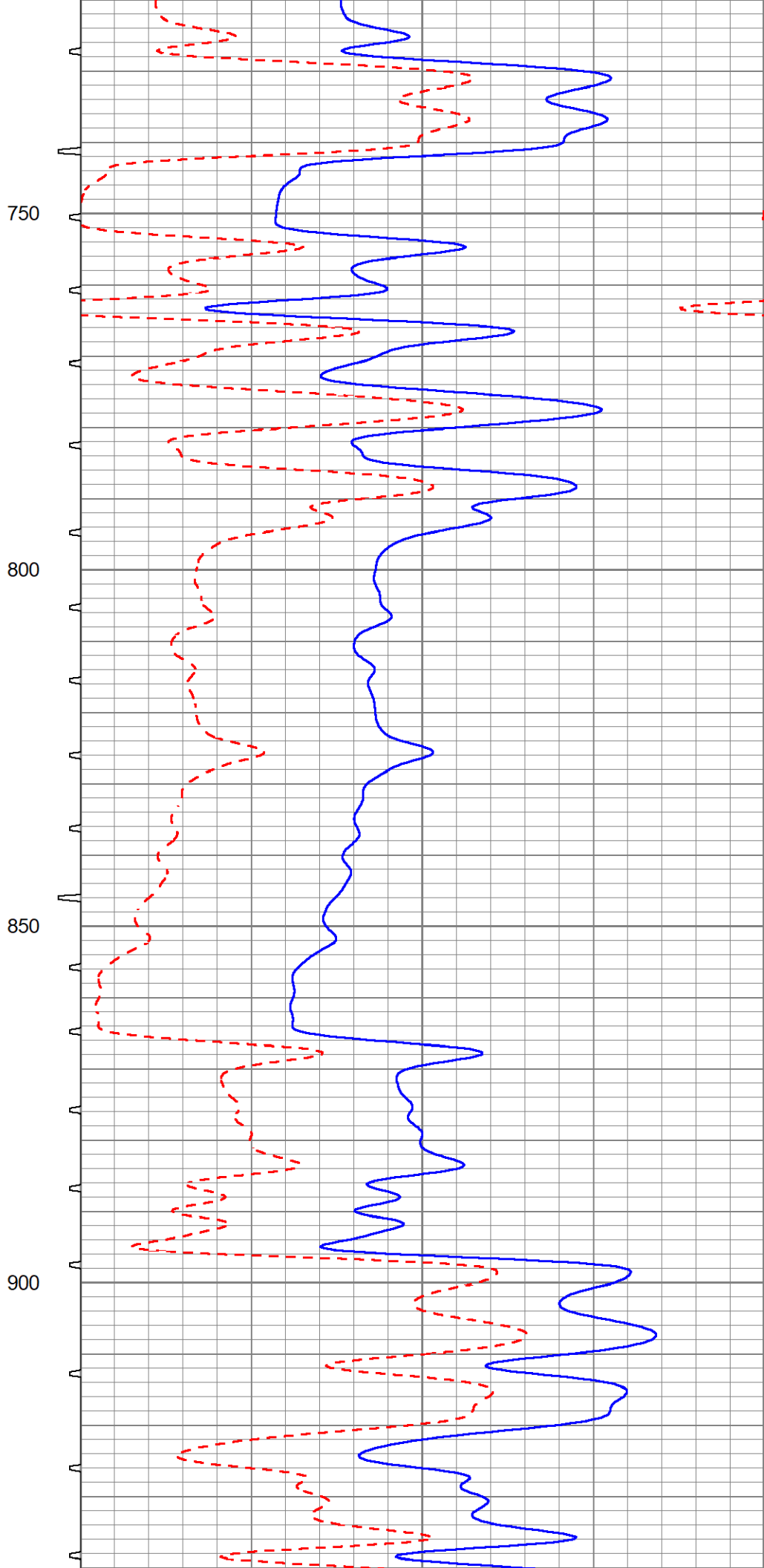
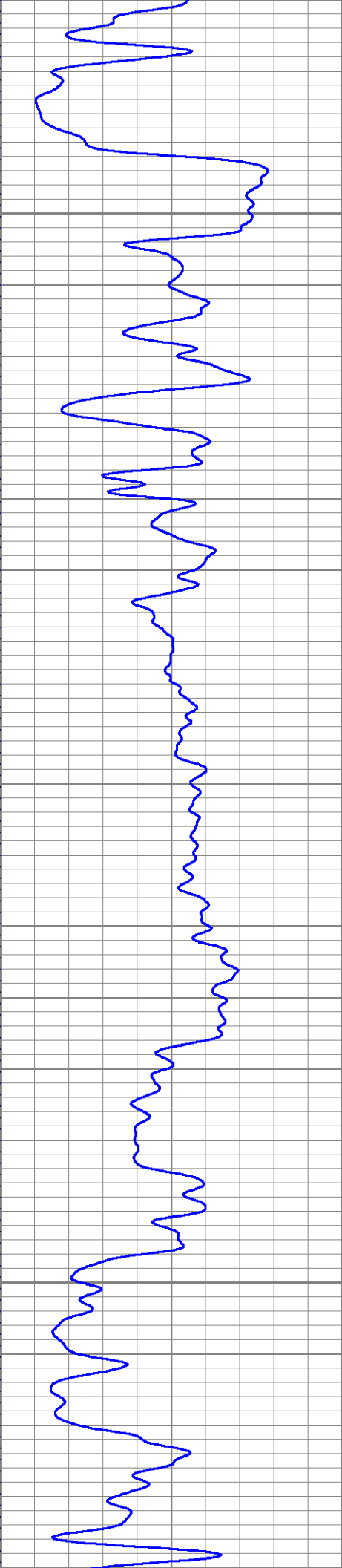
# 5" BHC SONIC SECTION

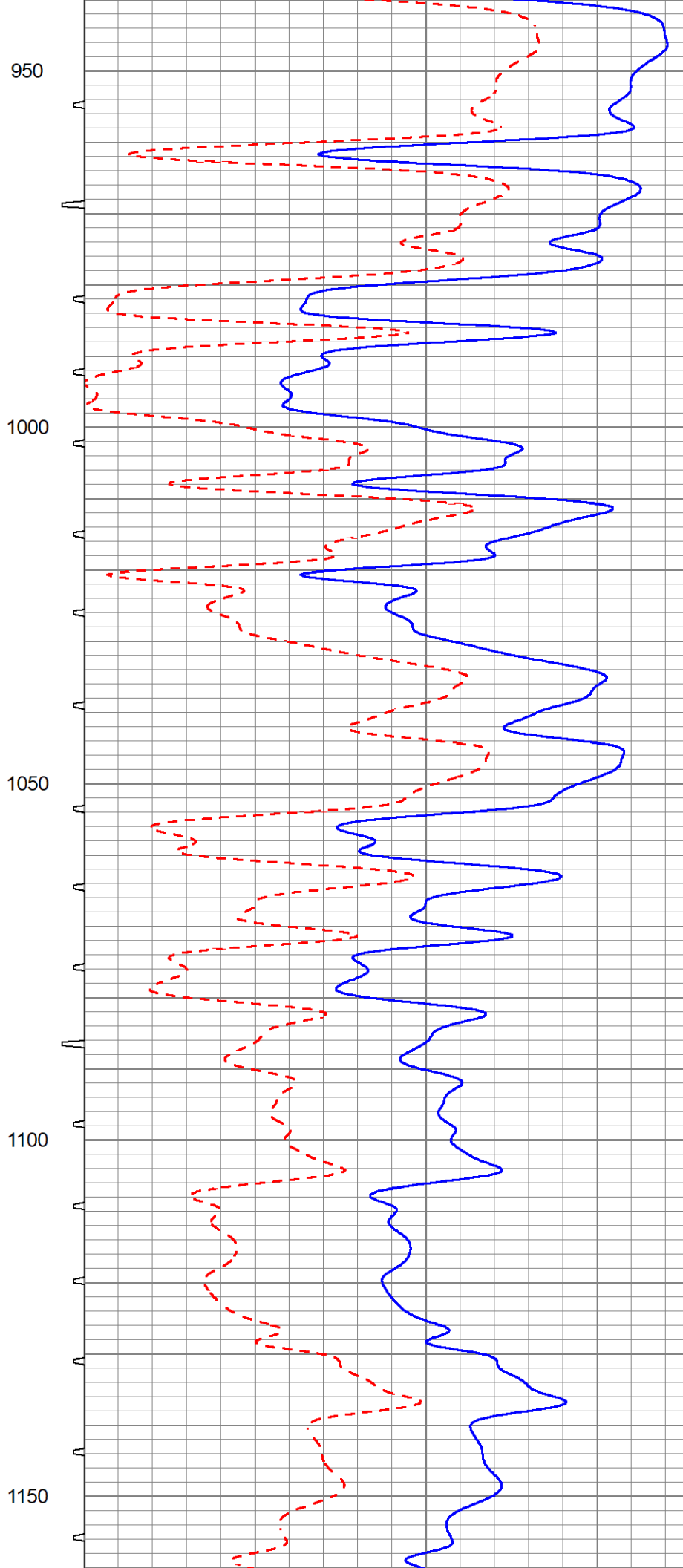
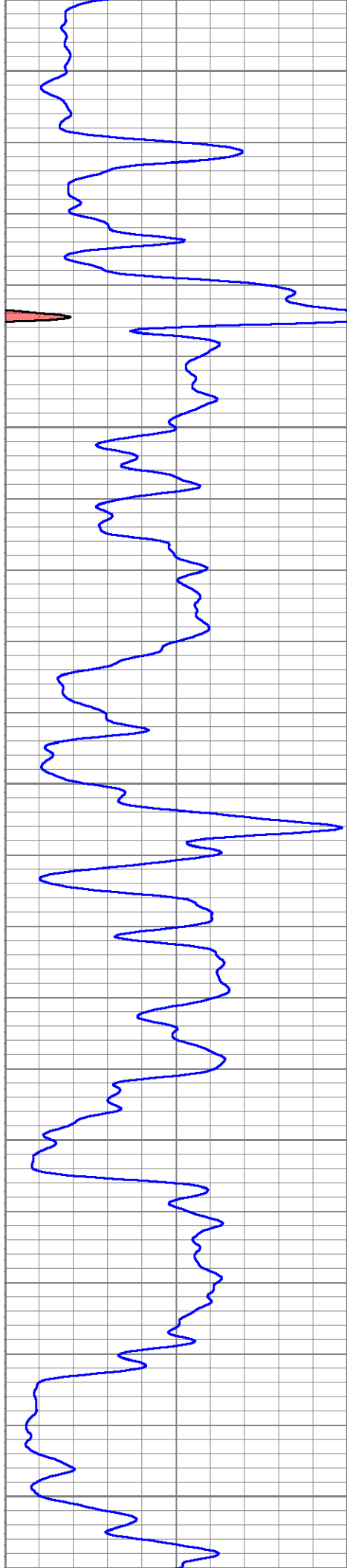
Database File ow2-9146 lawco.db  
Dataset Pathname BHC/pass1  
Presentation Format sonic  
Dataset Creation Mon Sep 24 12:58:31 2018  
Charted by Depth in Feet scaled 1:240

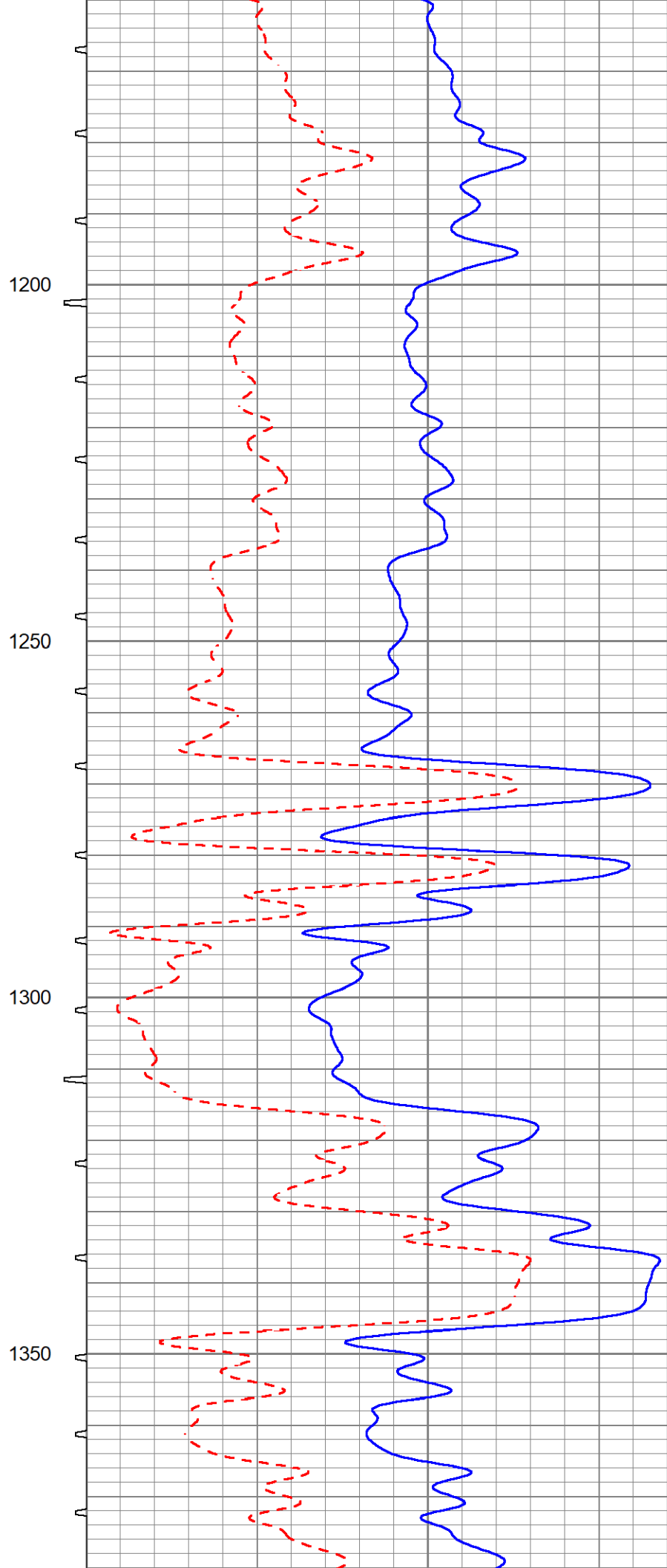
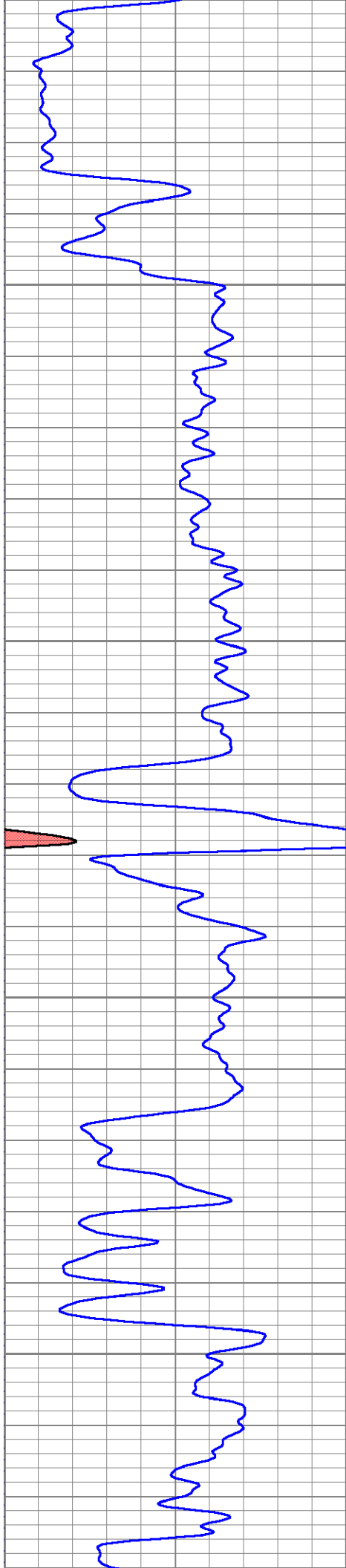
0	Gamma Ray (GAPI)	150	ITT	45	Sonic Porosity (pu)	-15
				140	Delta Time (usec/ft)	40

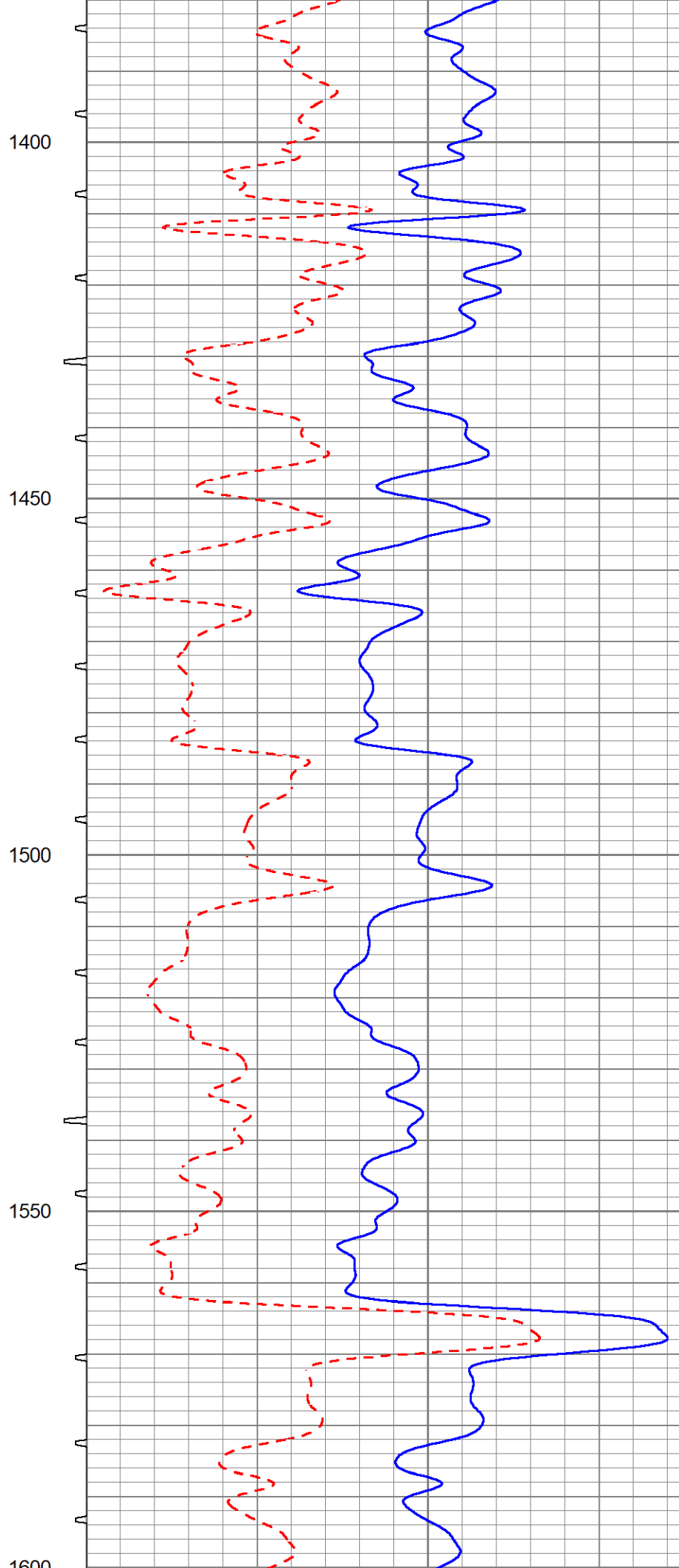
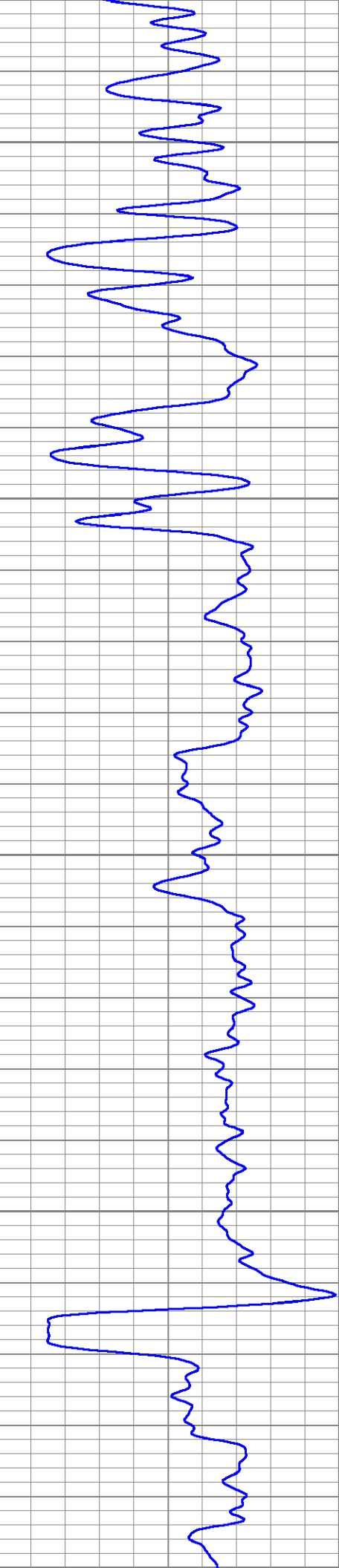


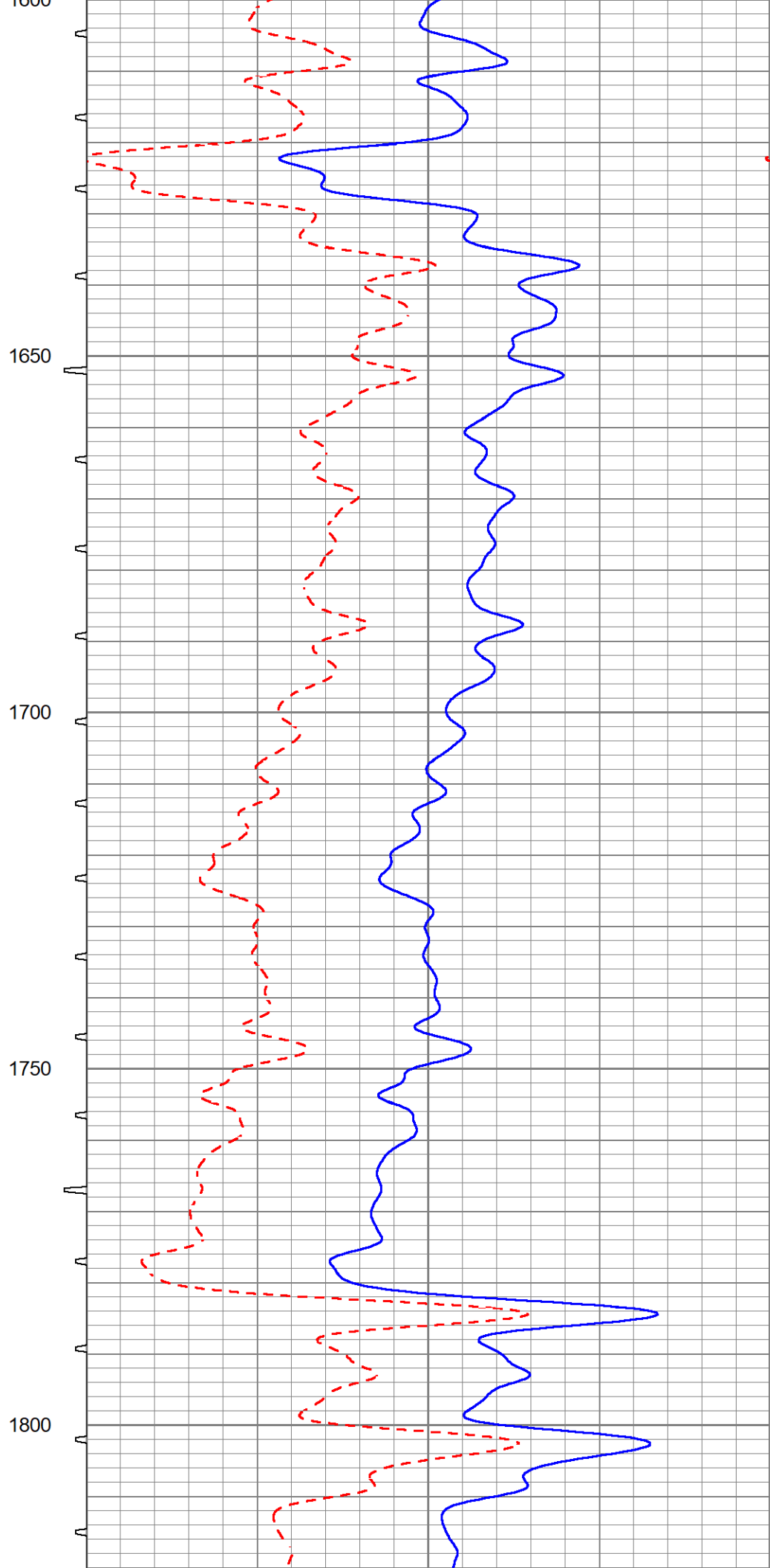
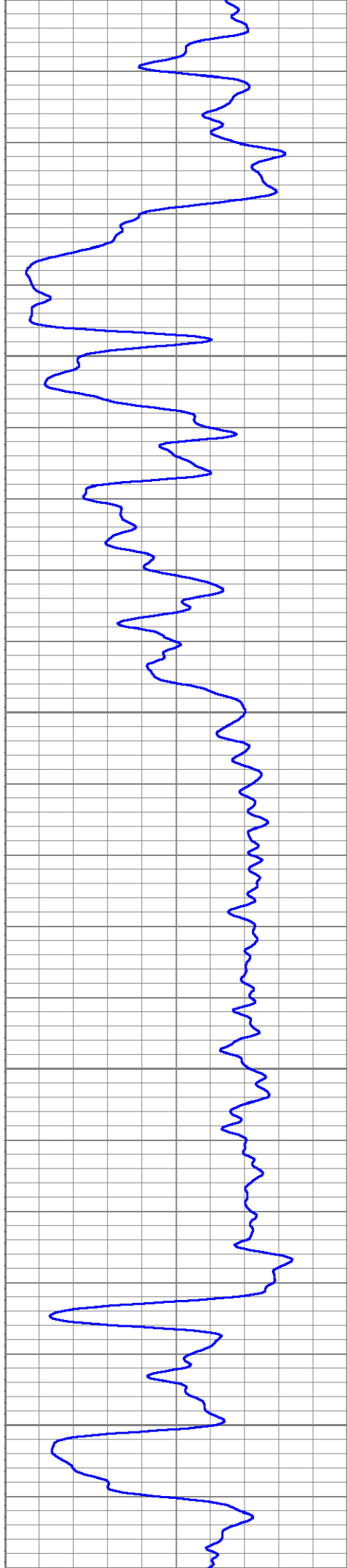


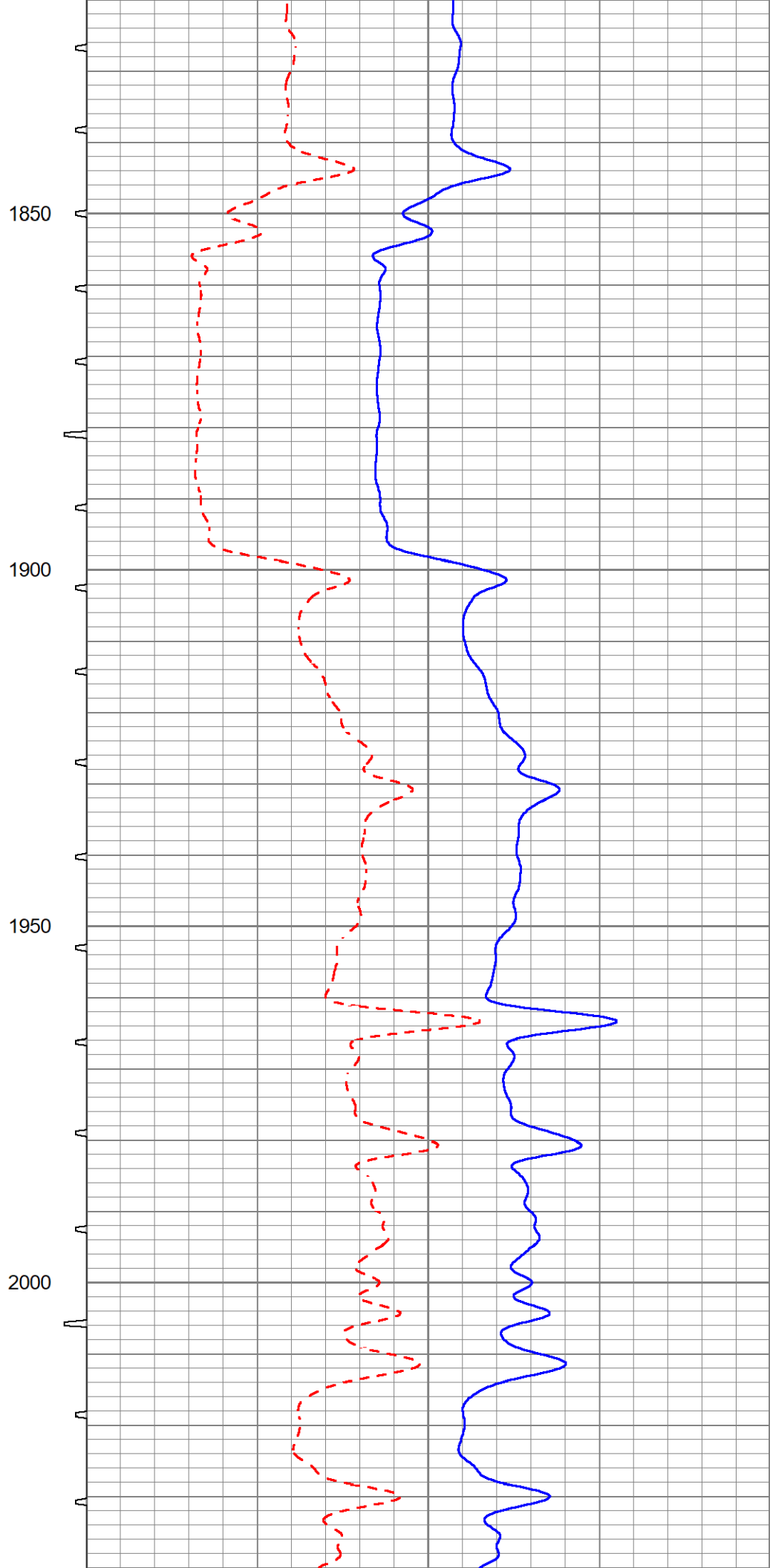
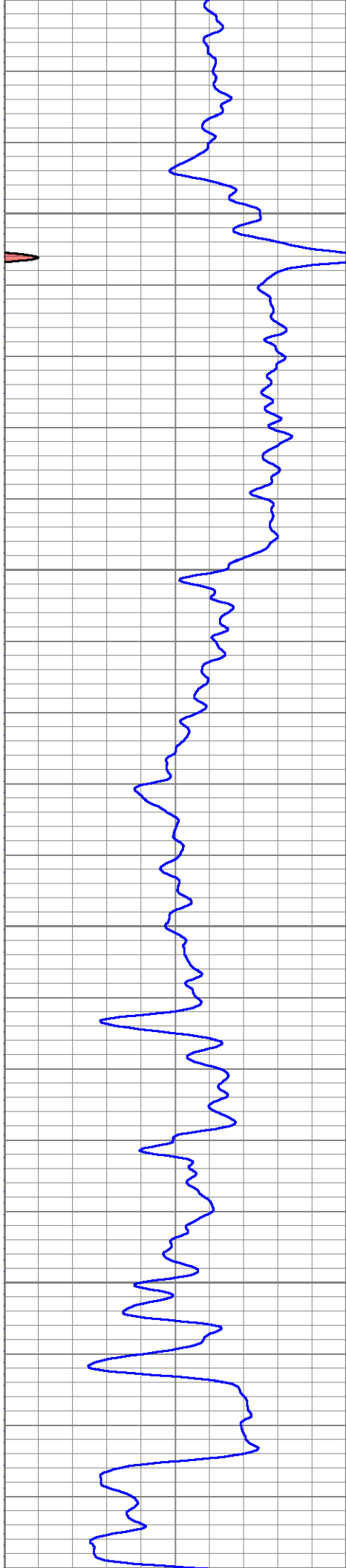


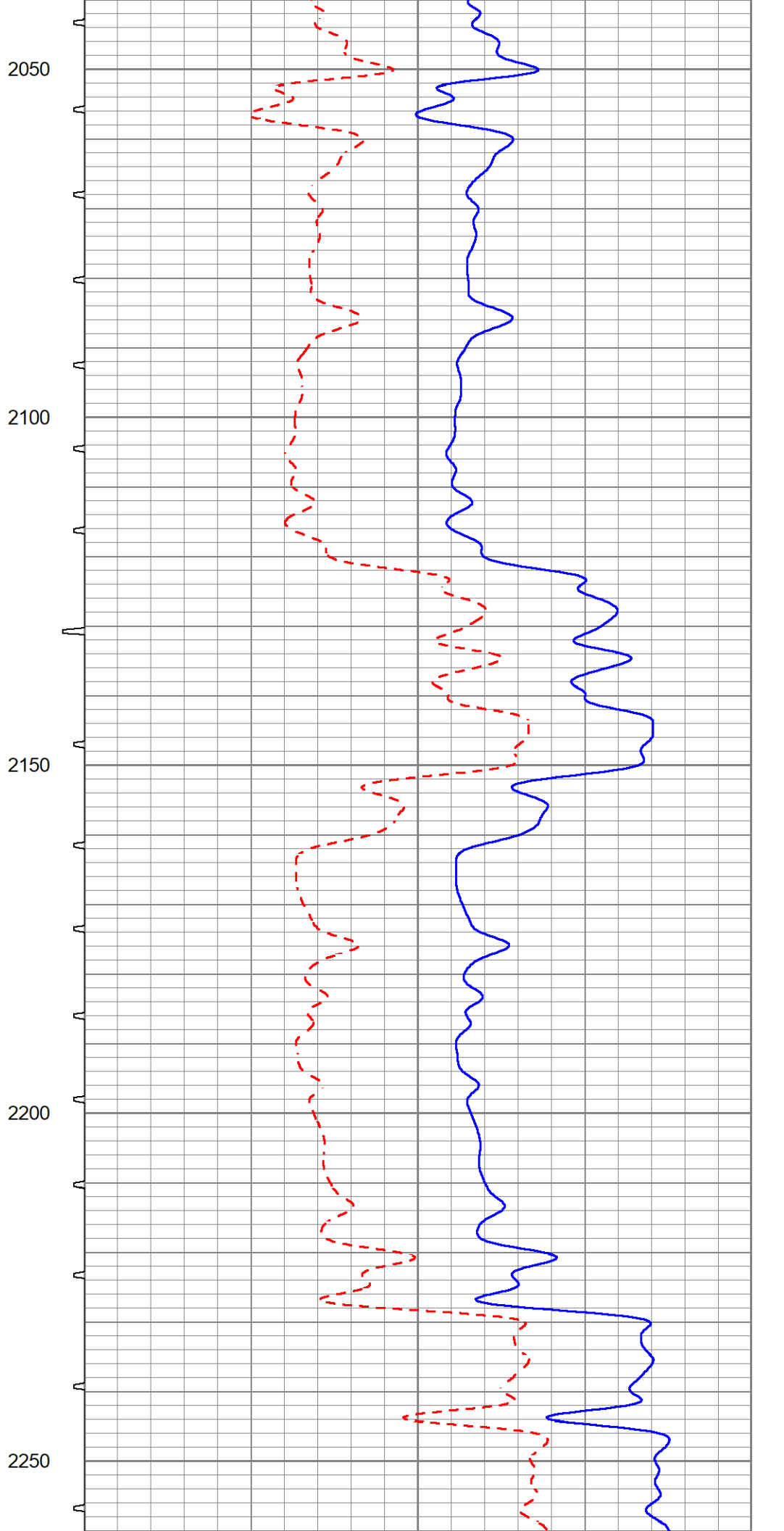
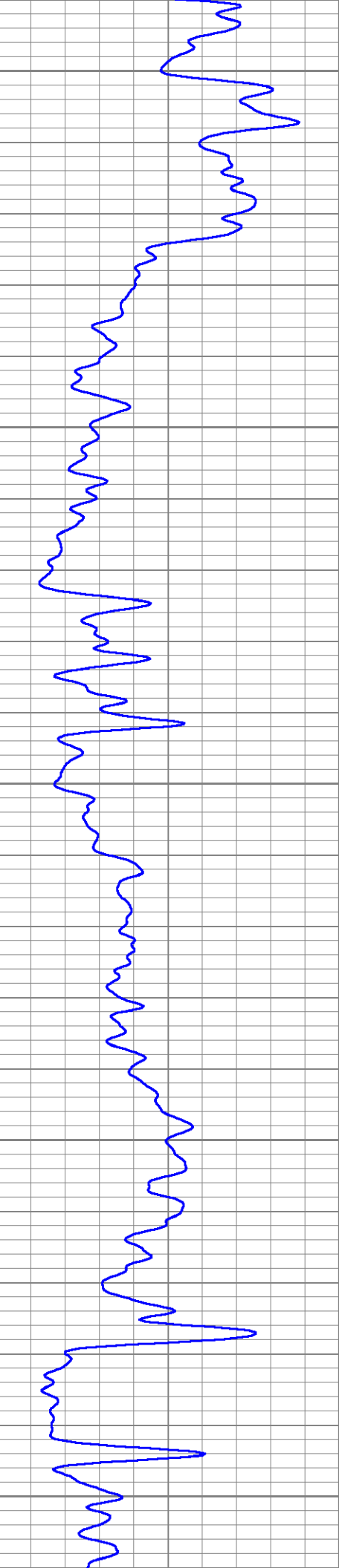


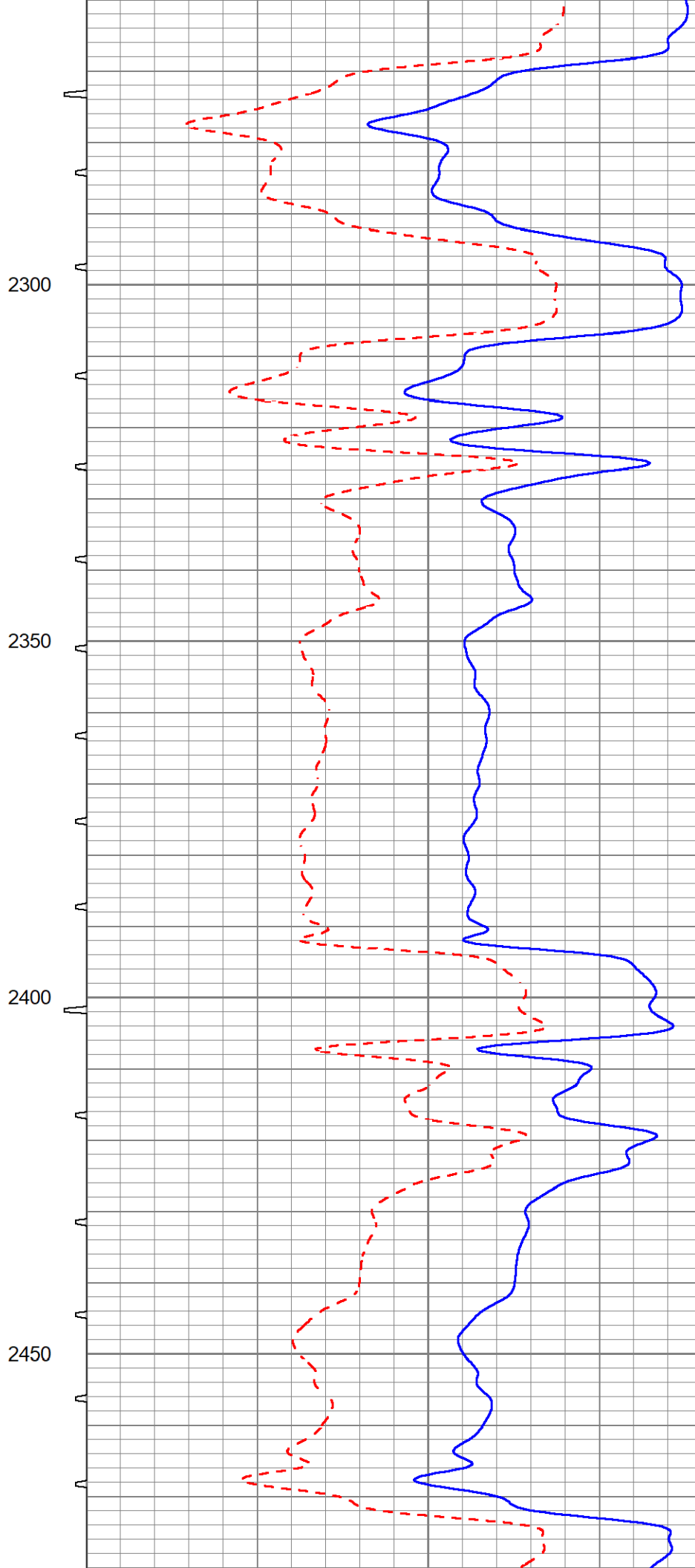
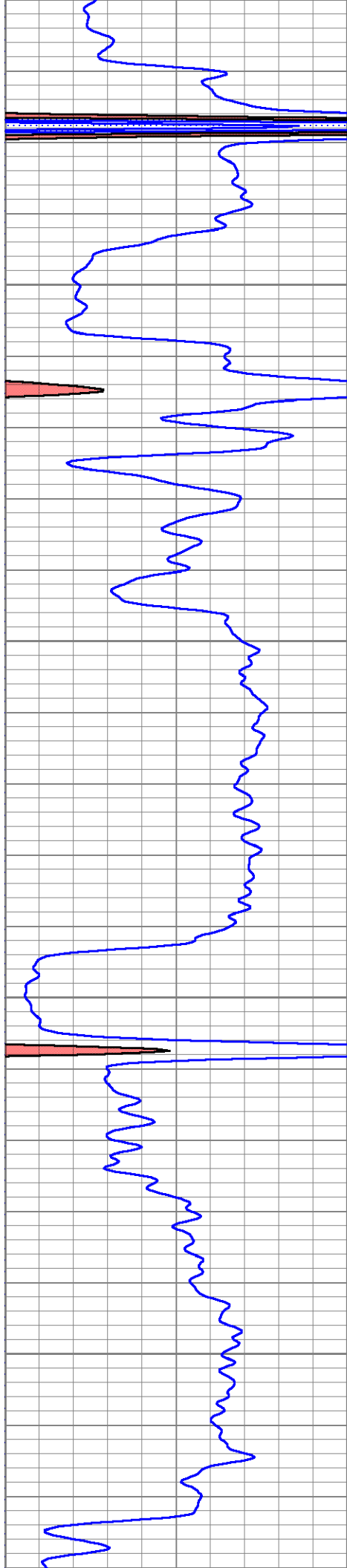




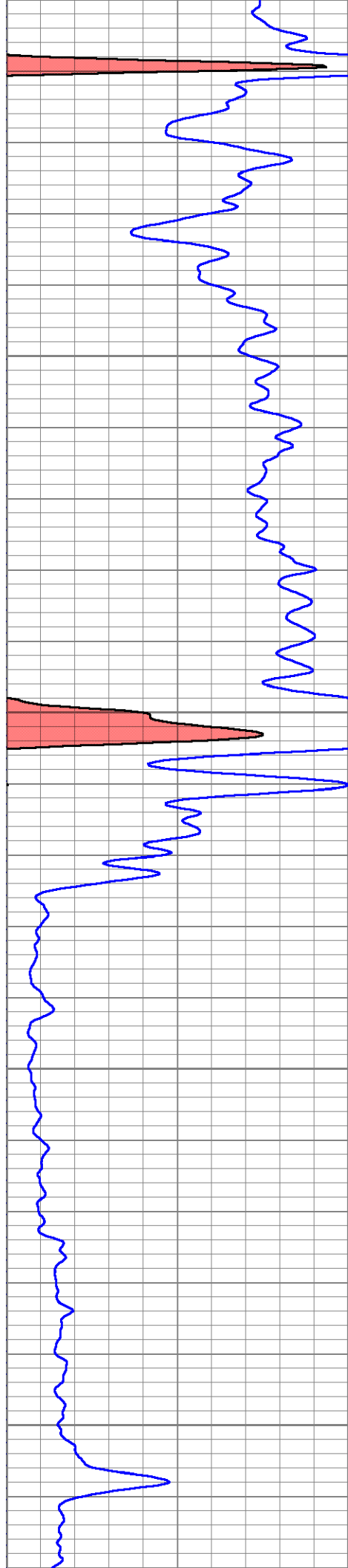












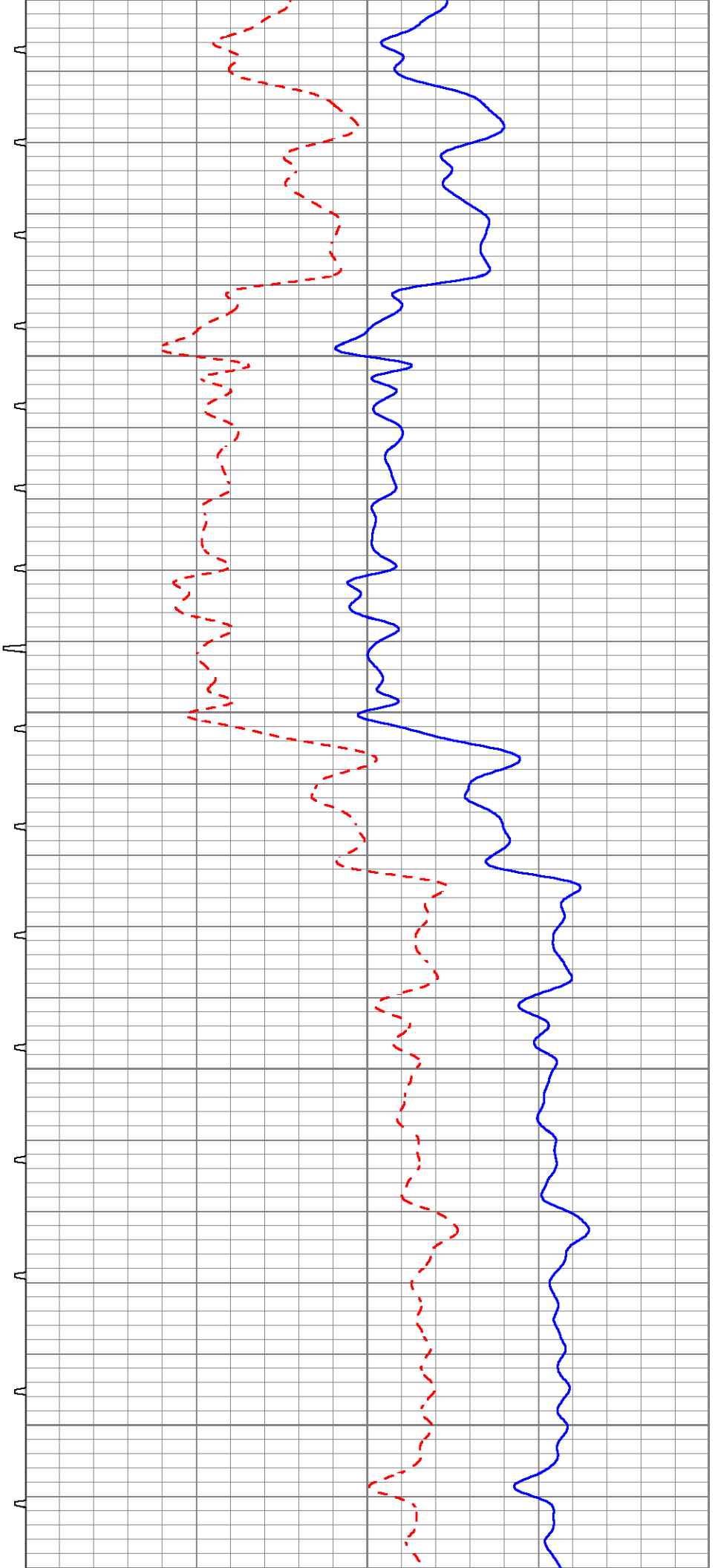
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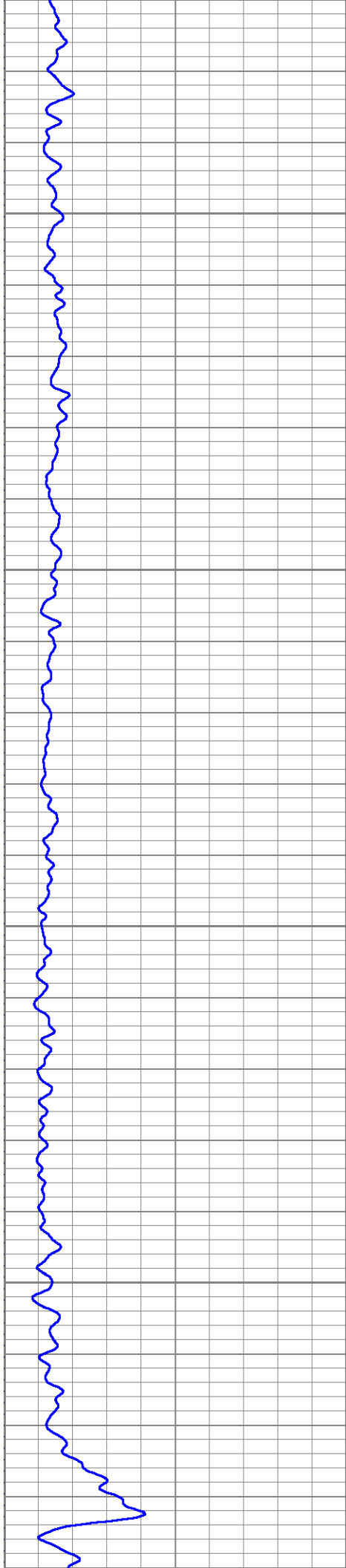
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2900



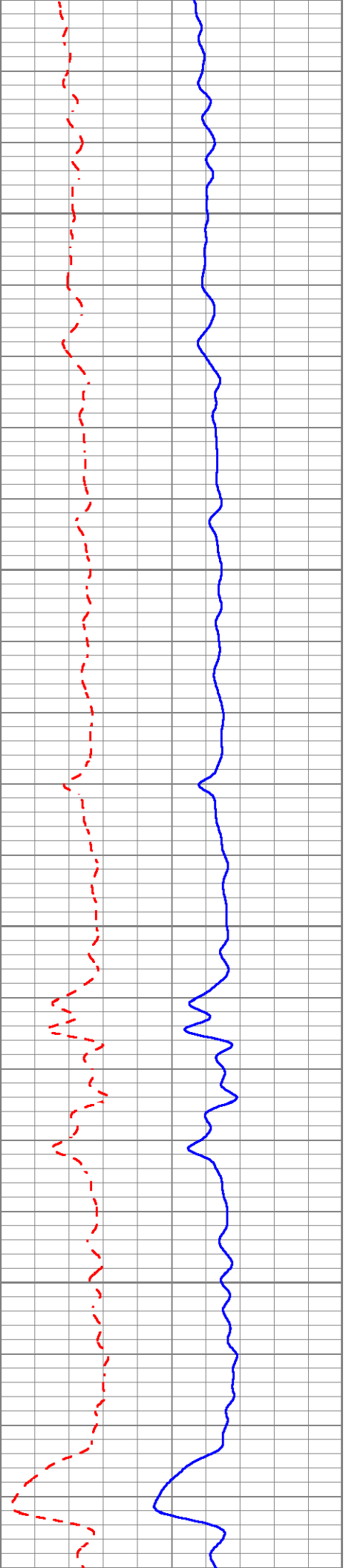
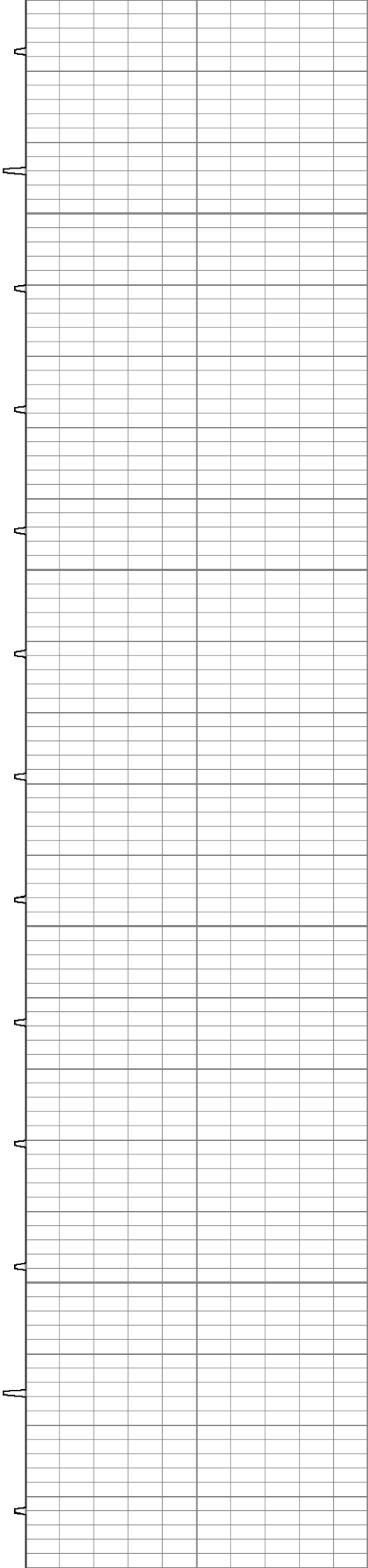


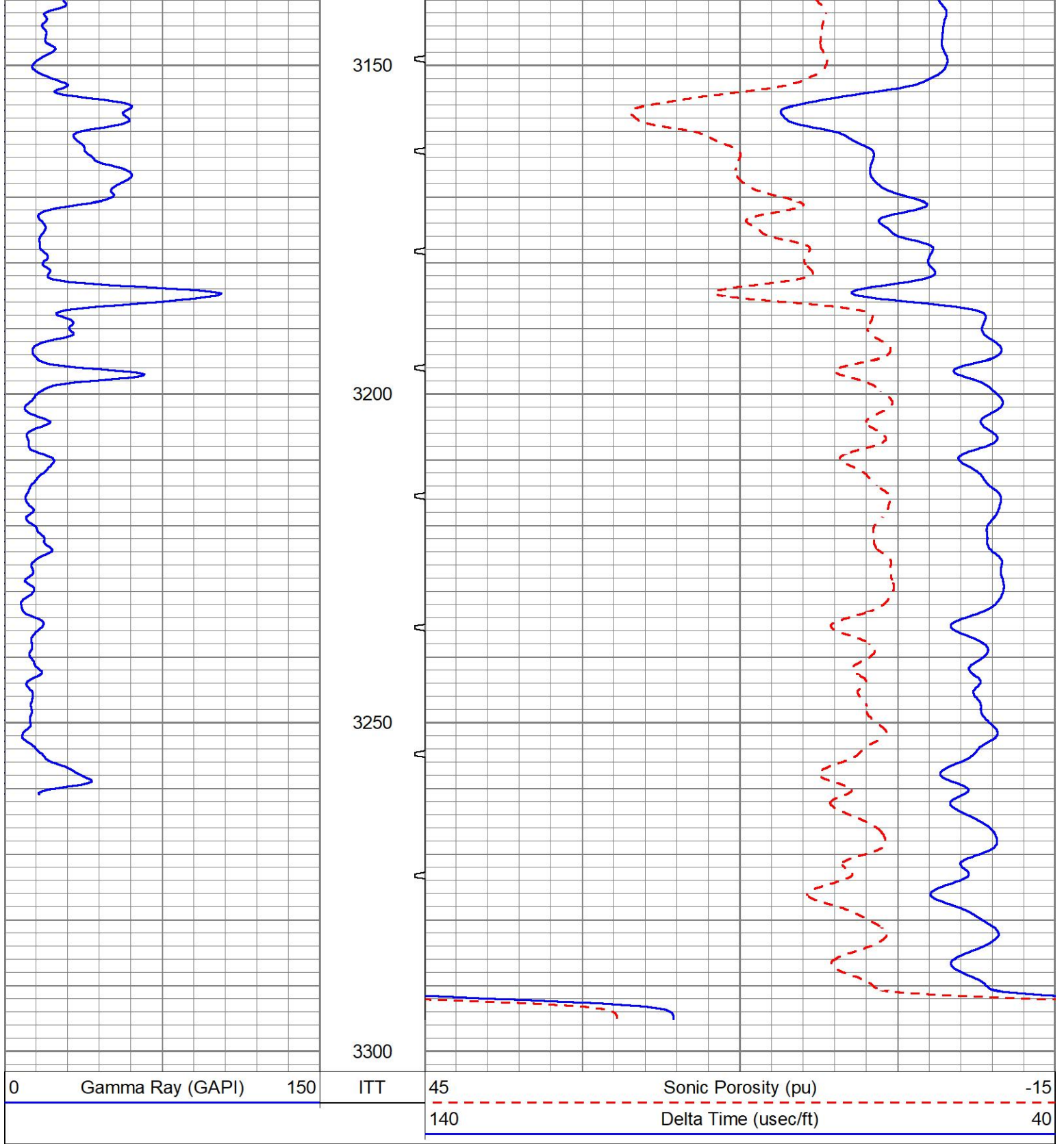
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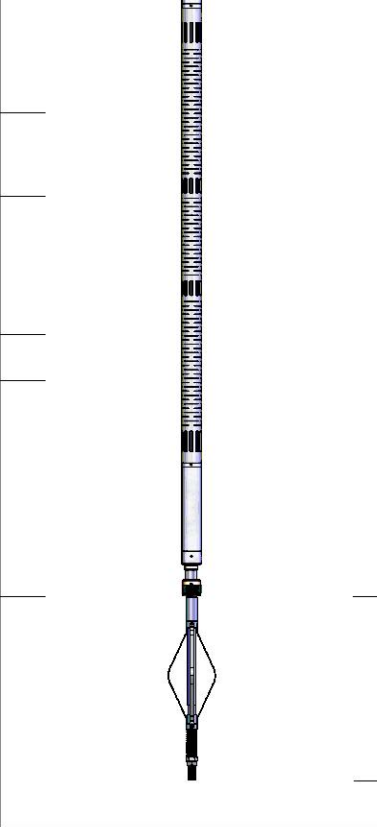
3050

3100





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
CENT TR_Mon	24.31 24.31		CENT-PROBE	4.48	3.50	20.00

WVF1	14.50					
WVF3	12.67		SLT-GEAR (SLT1) Probe Sonic Tool	15.83	3.50	140.00
WVF2	9.67					
WVF4	8.67					
CENT	4.00		CENT-SDSCENT Centralizer for testing	4.00	3.25	20.00

Dataset: ow2-9146 lawco.db: field/well/BHC/pass1  
 Total length: 24.31 ft  
 Total weight: 180.00 lb  
 O.D.: 3.50 in