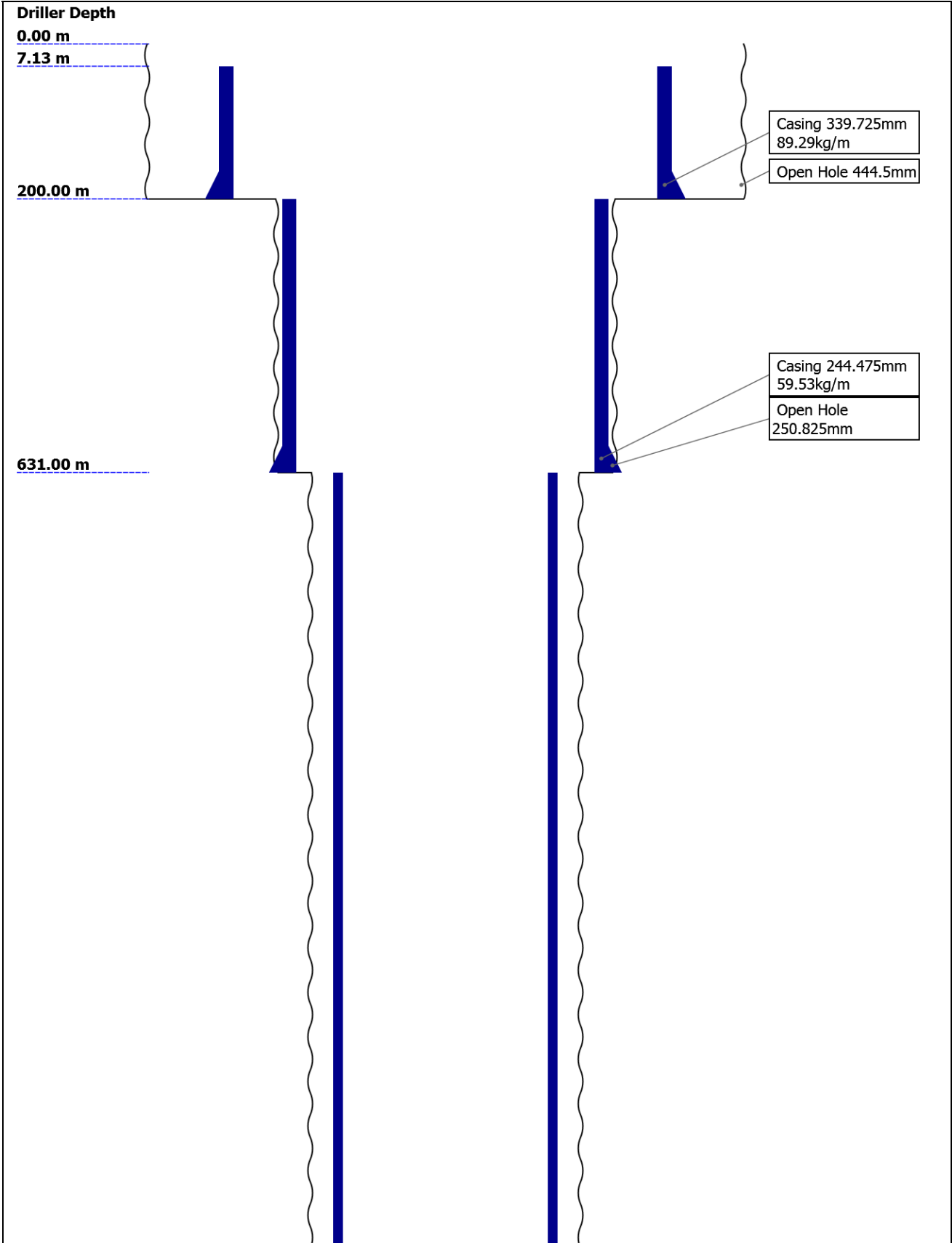
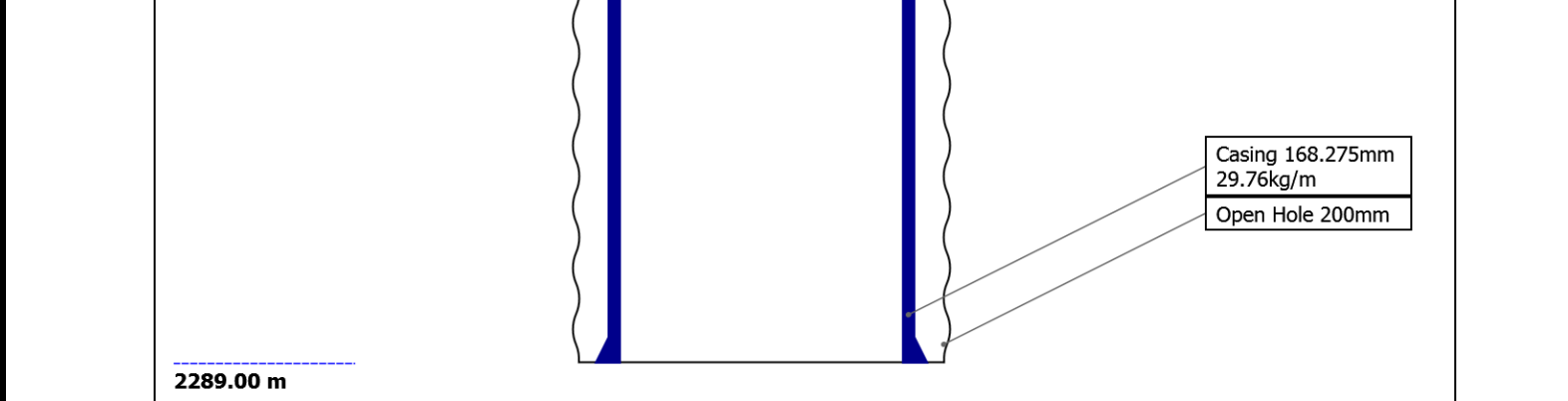




Well Sketch





## Borehole Size/Casing/Tubing Record


Bit						
Bit Size ( mm )	444.5	250.825	200			
Top Driller ( m )	0	200	631			
Top Logger ( m )	0	200	631			
Bottom Driller ( m )	200	631	2289			
Bottom Logger ( m )	200	631	2020			
Casing						
Size ( mm )	339.725	244.475	168.275			
Weight ( kg/m )	89.29	59.53	29.76			
Inner Diameter ( mm )	318.178	224.314	153.596			
Grade	L80	L80	L80			
Top Driller ( m )	7.13	200	631			
Top Logger ( m )	7.13	200	631			
Bottom Driller ( m )	200	631	2289			
Bottom Logger ( m )	200	631	2015			

## Operational Run Summary

Parameter ( unit )	ONE					
Date Log Started	28-Aug-2018					
Time Log Started	00:19:30					
Date Log Finished	28-Aug-2018					
Time Log Finished	06:08:40					
Top Log Interval ( m )						
Bottom Log Interval ( m )						
Total Depth ( m )						
Max Hole Deviation ( deg )						
Azimuth of Max Deviation ( deg )						
Bit Size ( mm )	200.000					
Logging Unit Number	218					
Logging Unit Location	NISKU PS					
Recorded By	J.ATTIG					

Witnessed By	GREG GELETY					
Service Order Number	DKRF-00153					

## Remarks and Equipment Summary

ONE: Toolstring				ONE: Remarks		
<b>Equip name</b> PEH-E	<b>Length</b> 9.03	<b>MP name</b>	<b>Offset</b>	LOG CORRELATED TO LINER TOP LOCATED @ 608.91 MKB		
				LAST FLUID MOVEMENT ON 2018-08-09		
				LANDING NIPPLE/PBTD LOCATED @ 2255.47 MKB		
				CLEARWATER TOP LOCATED @ 581 MKB		

## Depth Summary

	ONE		
Depth Measuring Device			
Type	IDW-B		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Calibration Cable Type			
Wheel Correction 1	0		
Wheel Correction 2	0		
Tension Device			
Type	CMTD-B/A		
Serial Number			
Calibration Date			
Calibrator Serial Number			
Number of Calibration Points	0		
Logging Cable			
Type	1-33A-SLC		

ONE:Depth Control Parameters		Depth Control Remarks
Log Sequence	First Log In the Well	
Rig Up Length At Surface		
Rig Up Length At Bottom		
Rig Up Length Correction		
Stretch Correction		
Tool Zero Check At Surface		

## MAIN PASS

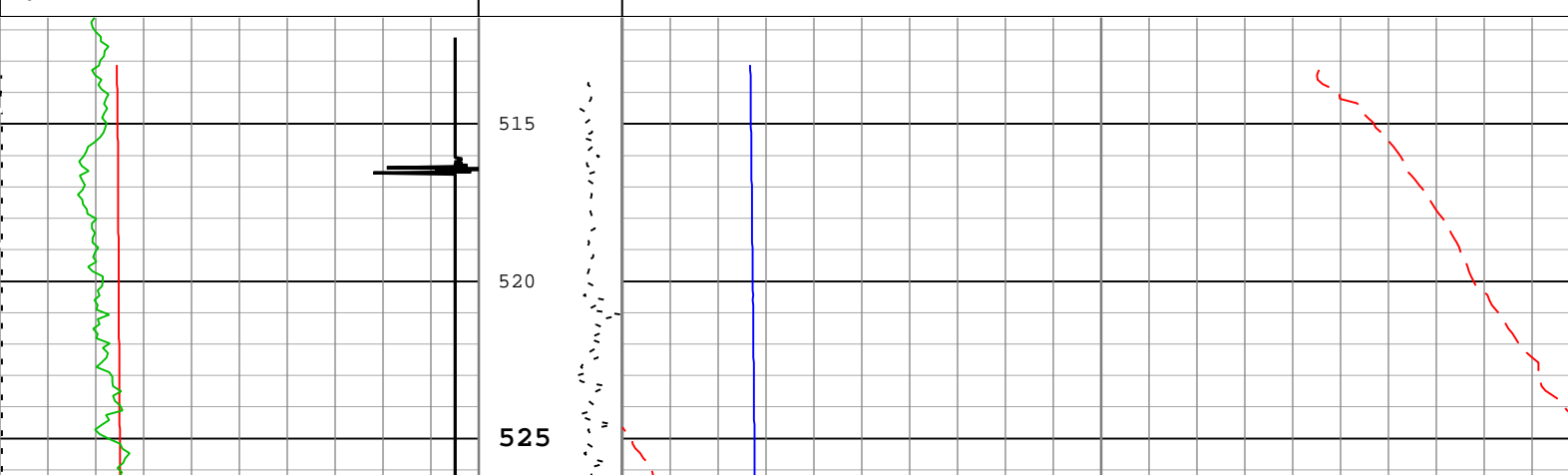
Acquisition System	Version
Maxwell 2018 SP1	8.1.99839.3100
Application Patch	Wireline_NPD-EMIT-C-2018SP1_8.1.100393

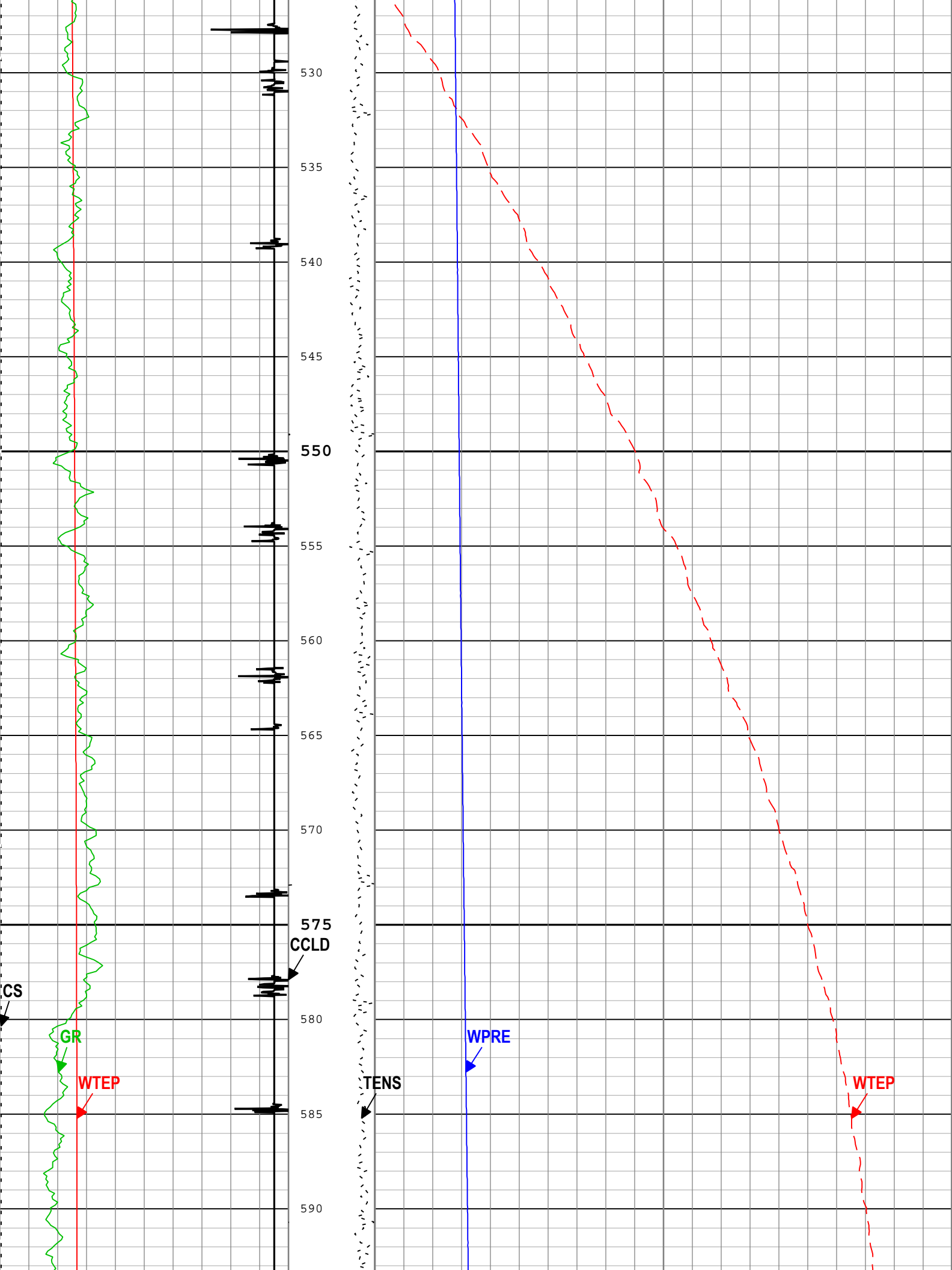
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
ONE	Log[3]:Up	Up	513.41 m	2018.05 m	28-Aug-2018 3:23:56 AM	28-Aug-2018 6:07:15 AM	ON	0.00 m	No

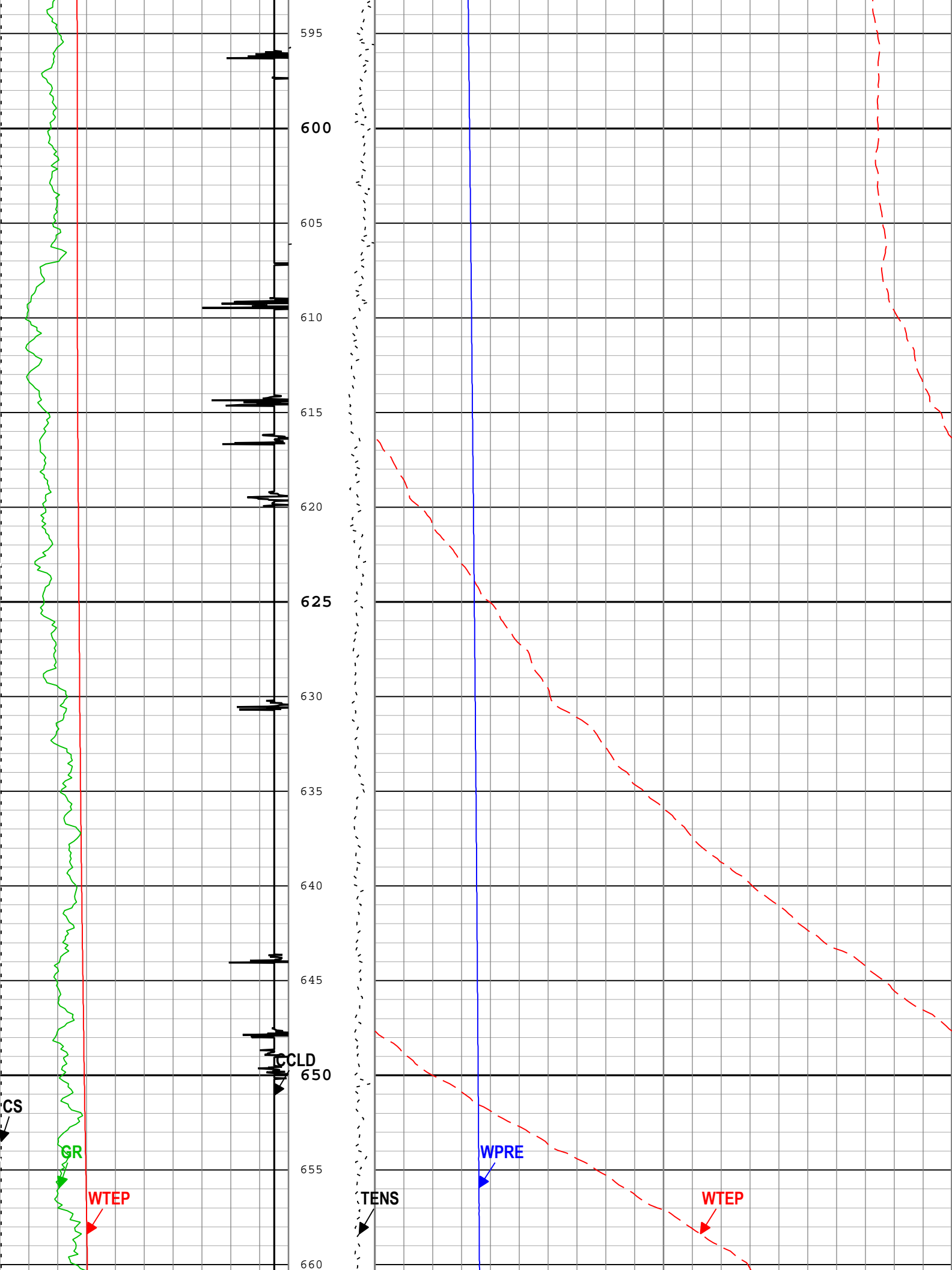
Log	Company:IMPERIAL OIL RESOURCES LIMITED	Well:IMP M03-H21 LEMING 6-34-65-4	ONE: Log[31]:Up:S008
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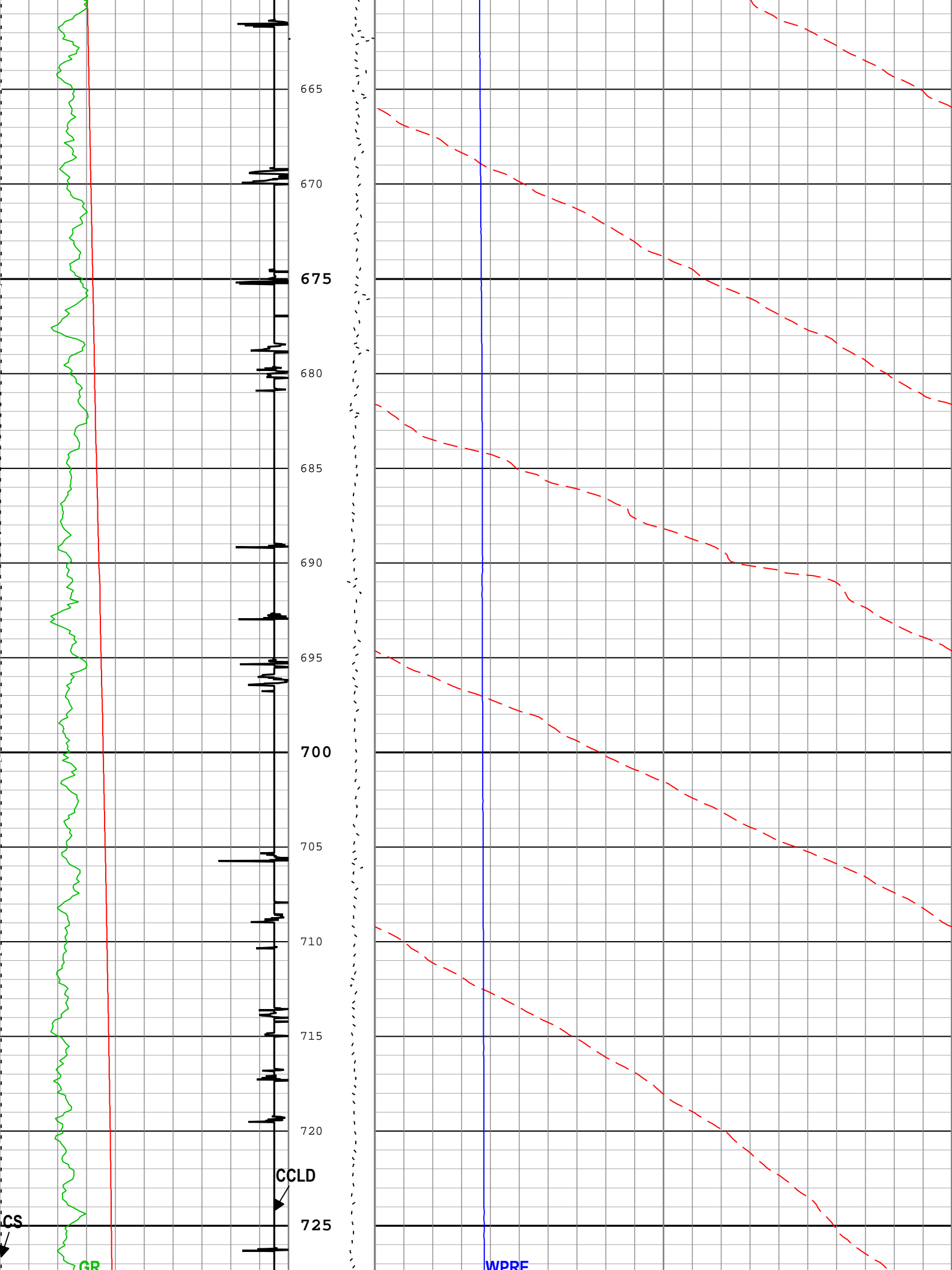
Description: PSP Depth    Format: Log ( PSP Imperial Temp )    Index Scale: 1:240    Index Unit: m    Index Type: Measured Depth    Creation Date: 28-Aug-2018  
06:10:15

Well Temperature (WTEP) HBMS-B			Cable Tension (TENS)	Well Temperature (WTEP) HBMS-B		
0	degC	200		-2	degC	2
Gamma Ray (GR) HBMS-B				Well Pressure (WPRES) HBMS-B		
0	gAPI	125		0	kPa	5000
Cable Speed (CS)				CCL Discriminated Amplitude (CCLD) HBMS-B		
0	m/h	150000	0	N 2000	1	
CCL Discriminated Amplitude (CCLD) HBMS-B			CCL Discriminated Amplitude (CCLD) HBMS-B			
-19	V	1	0	N 2000	1	

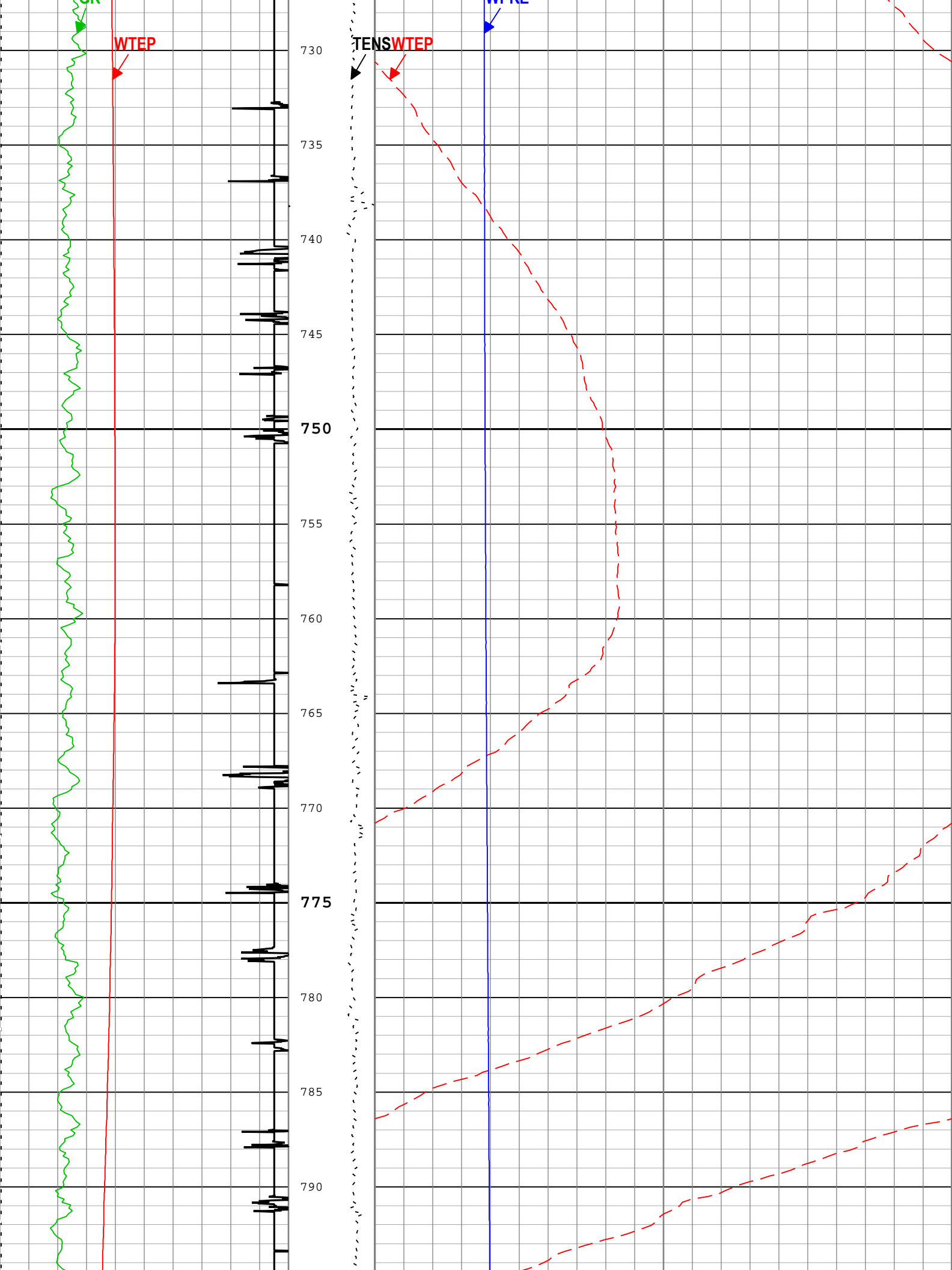


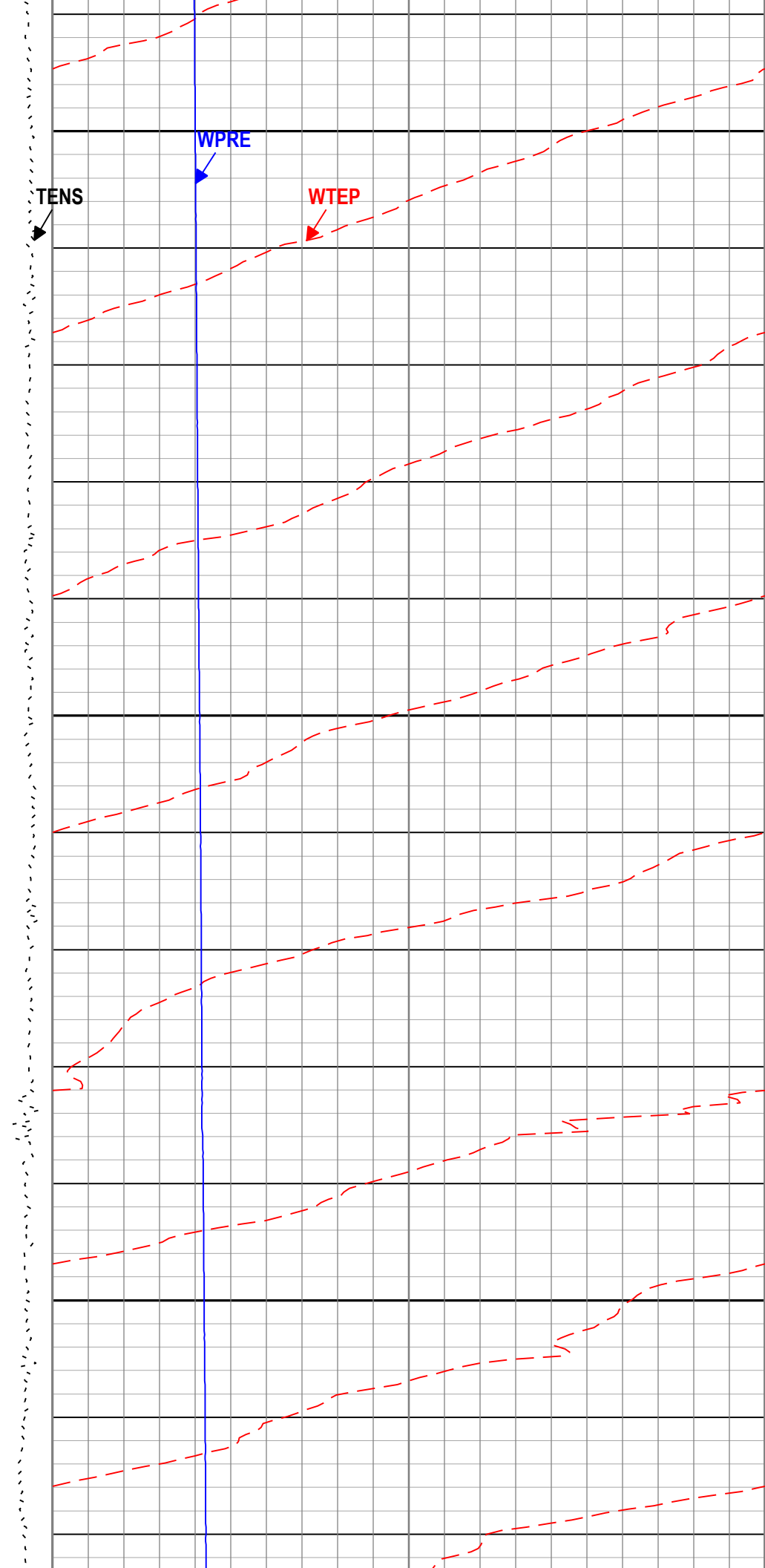
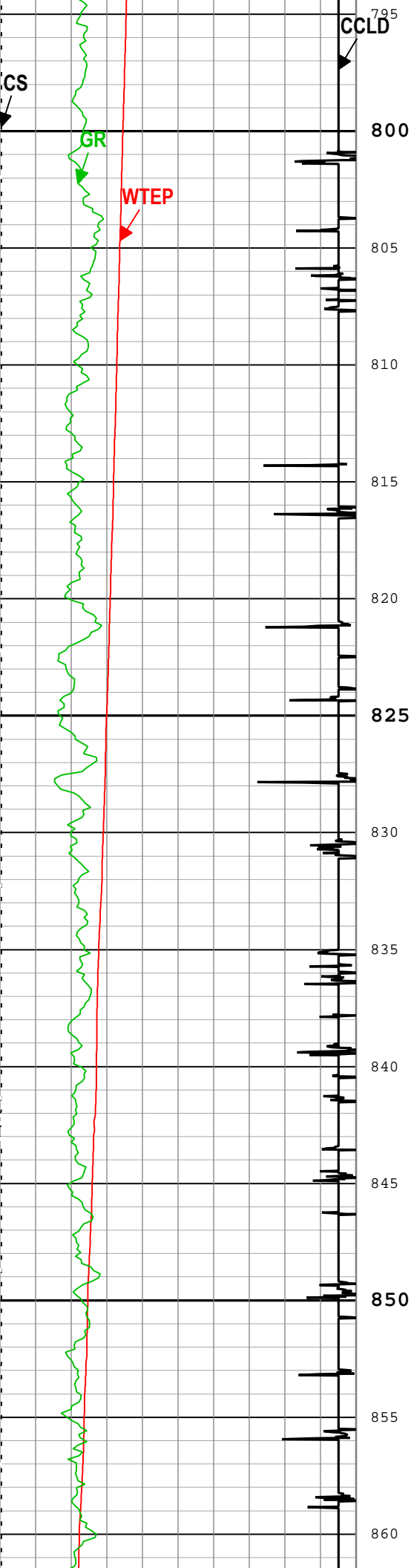


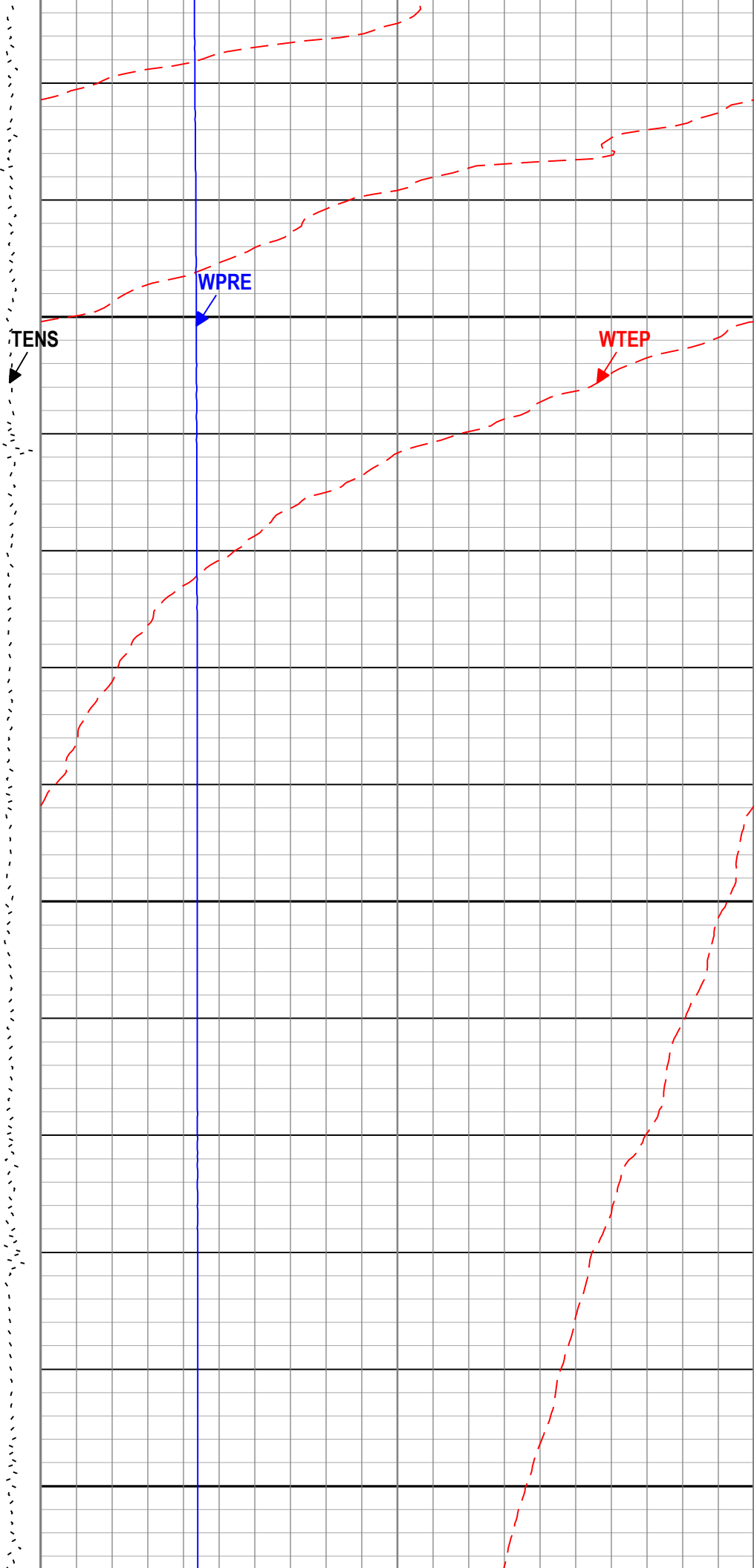
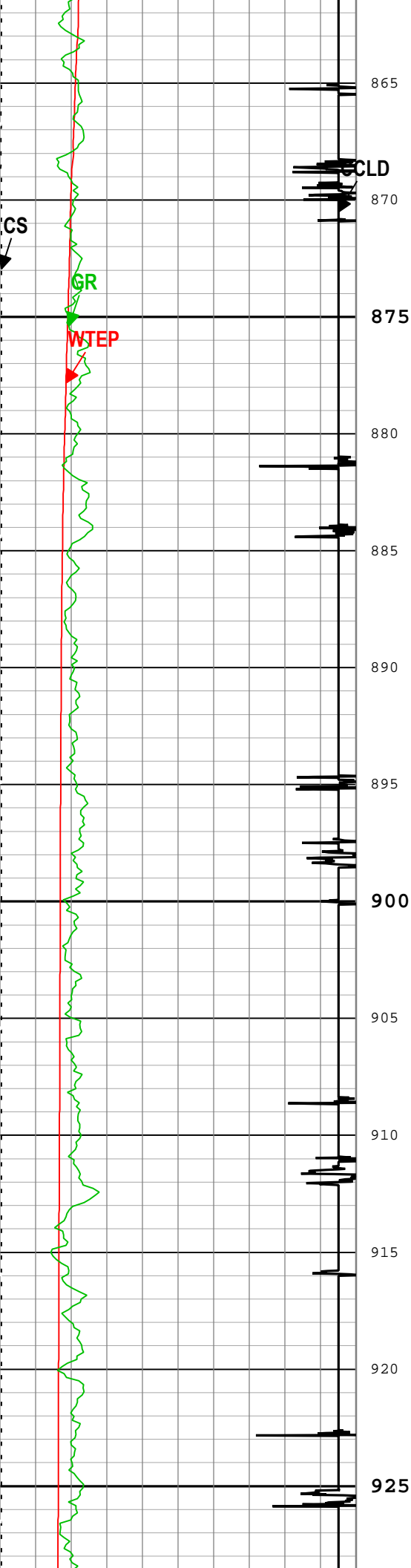


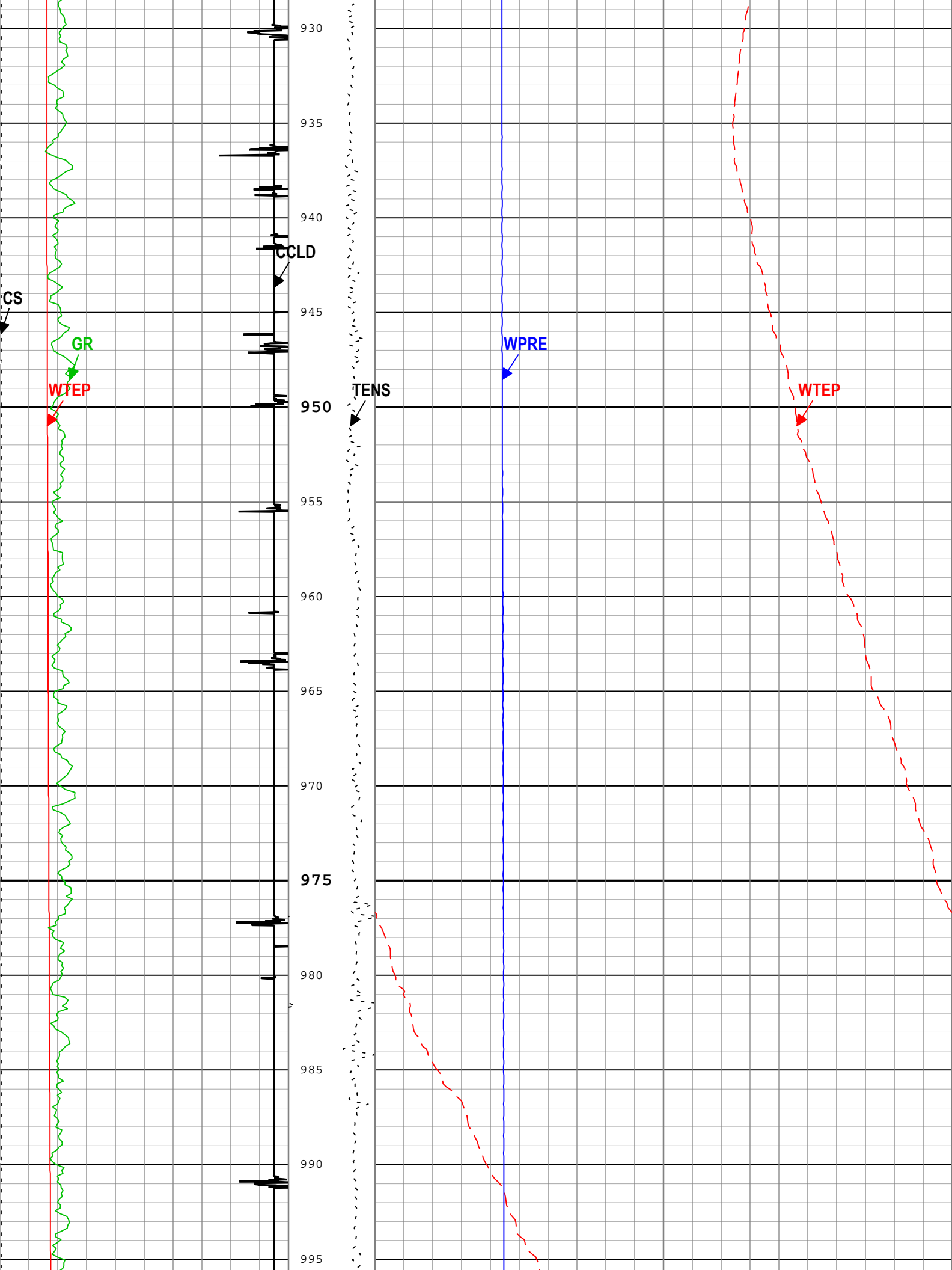


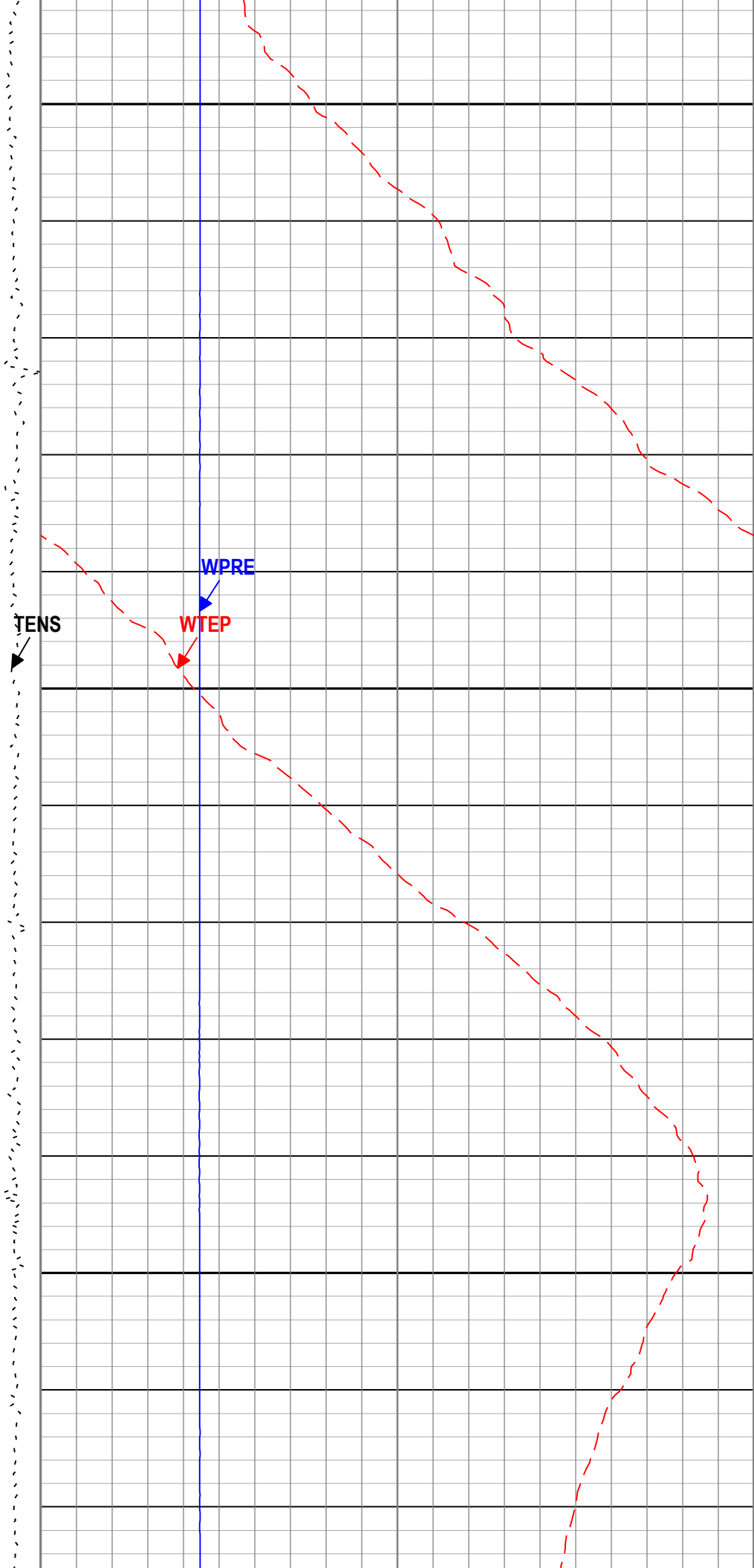
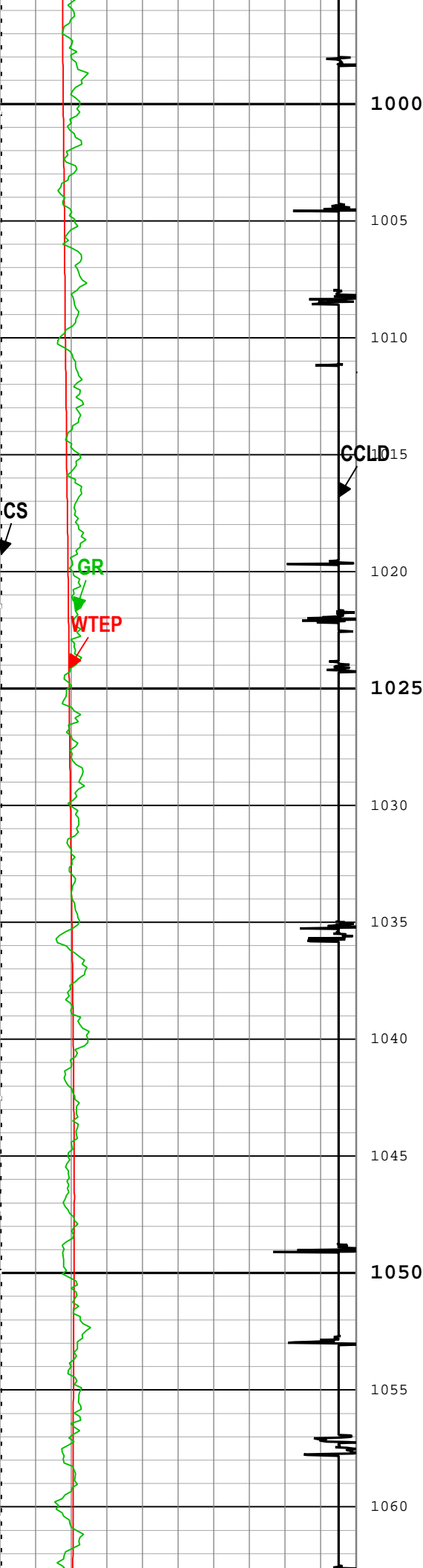


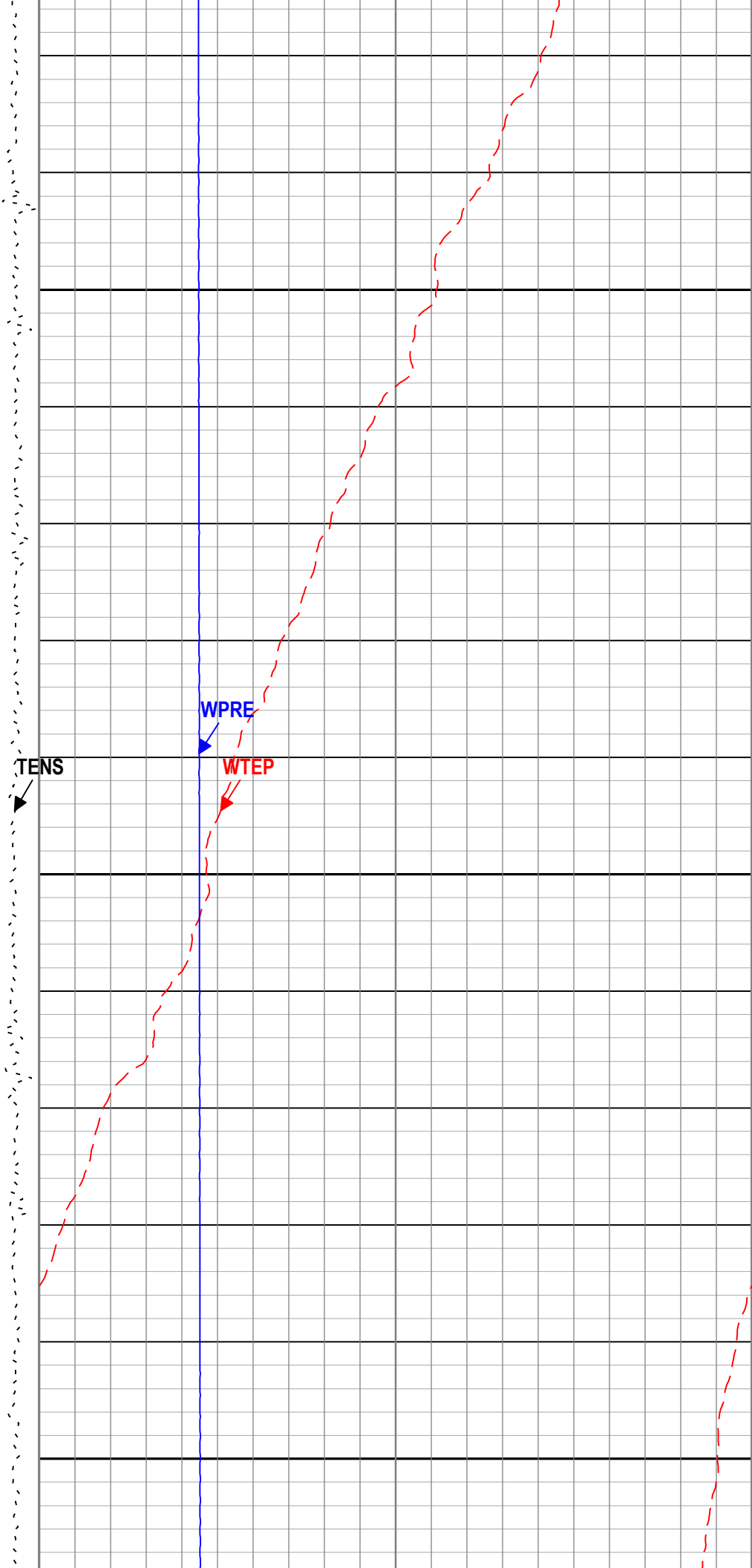
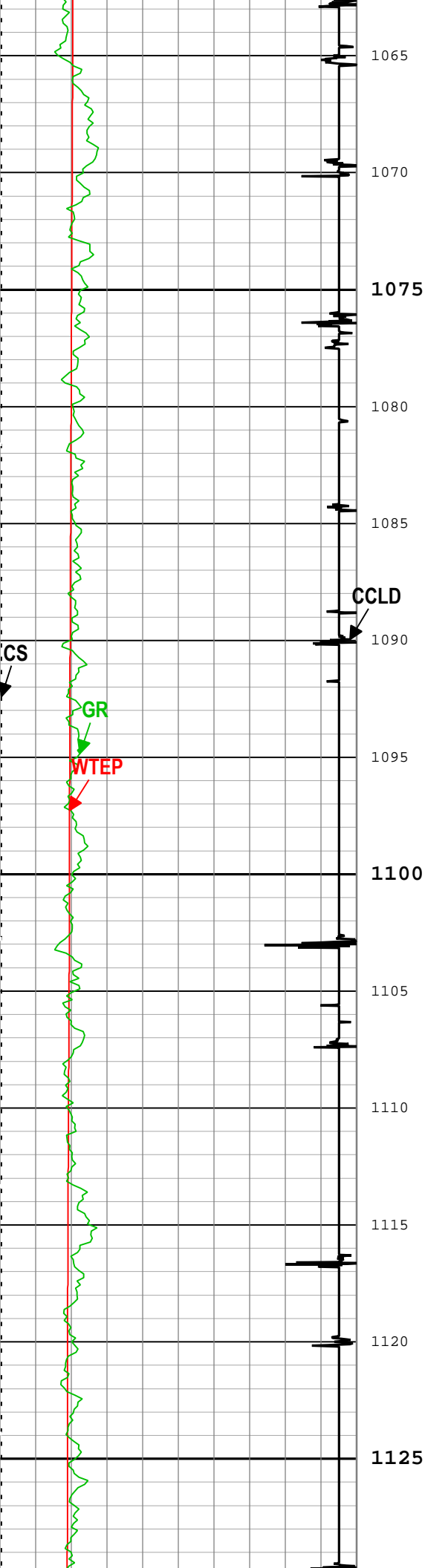


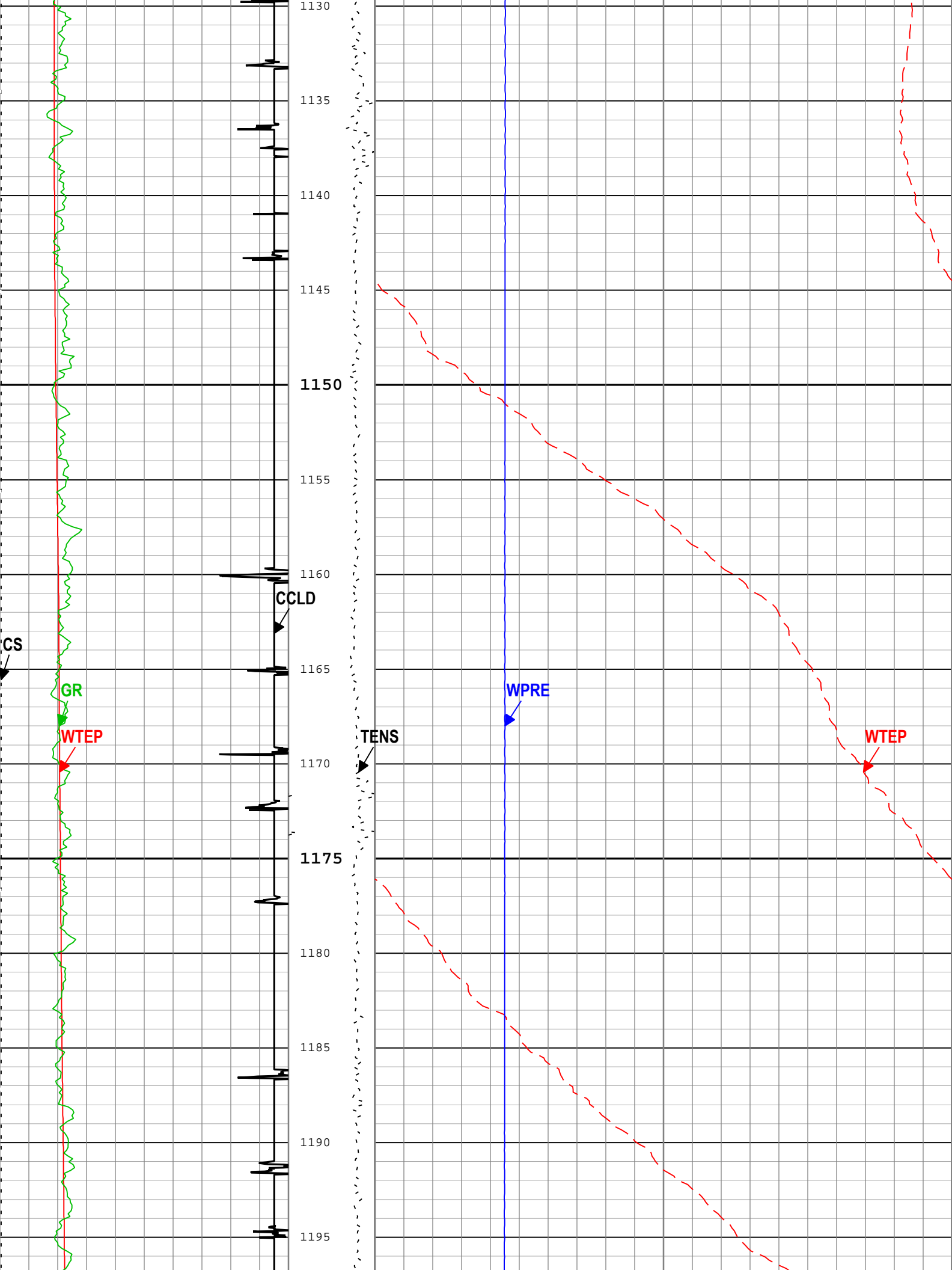


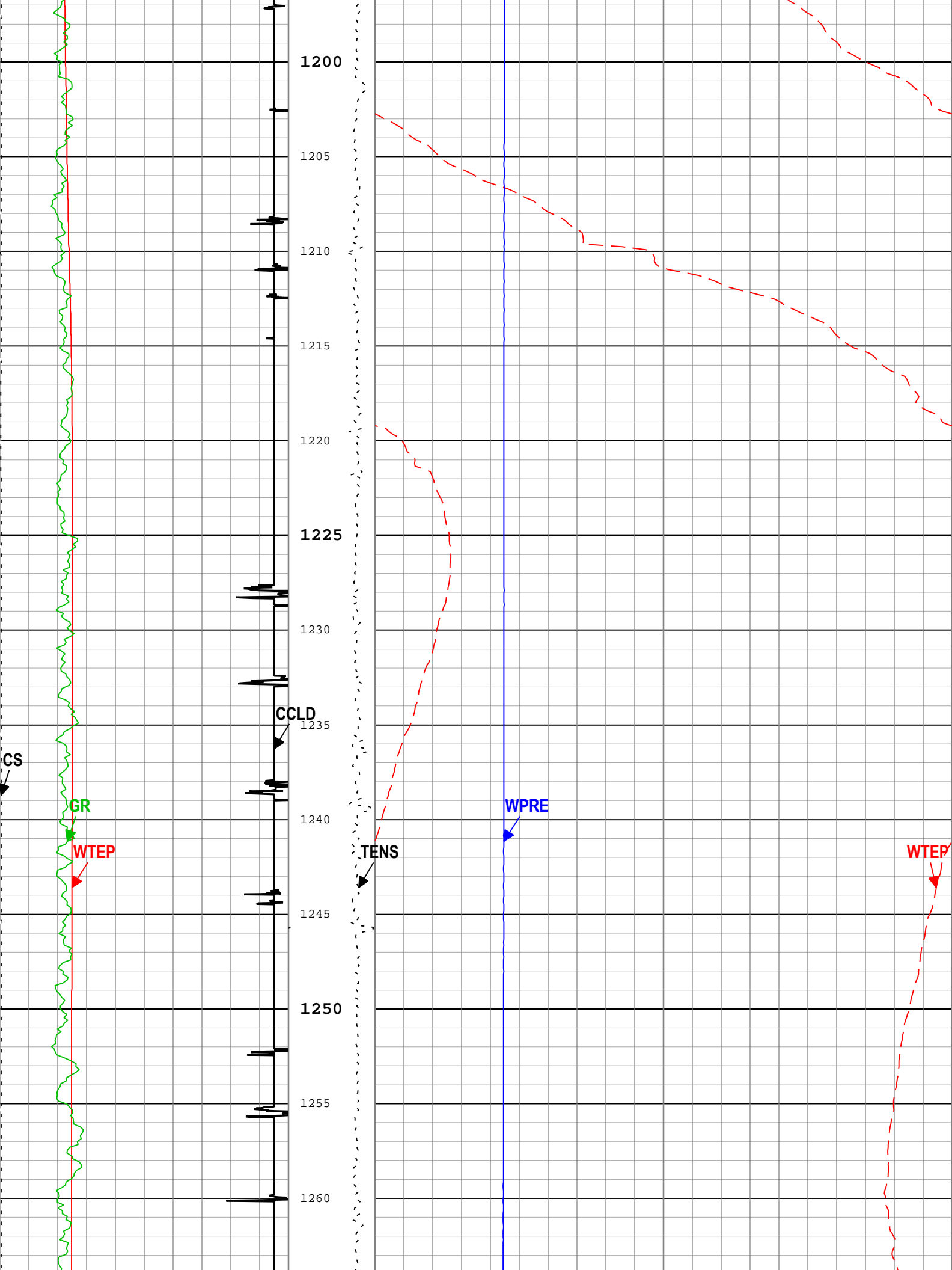




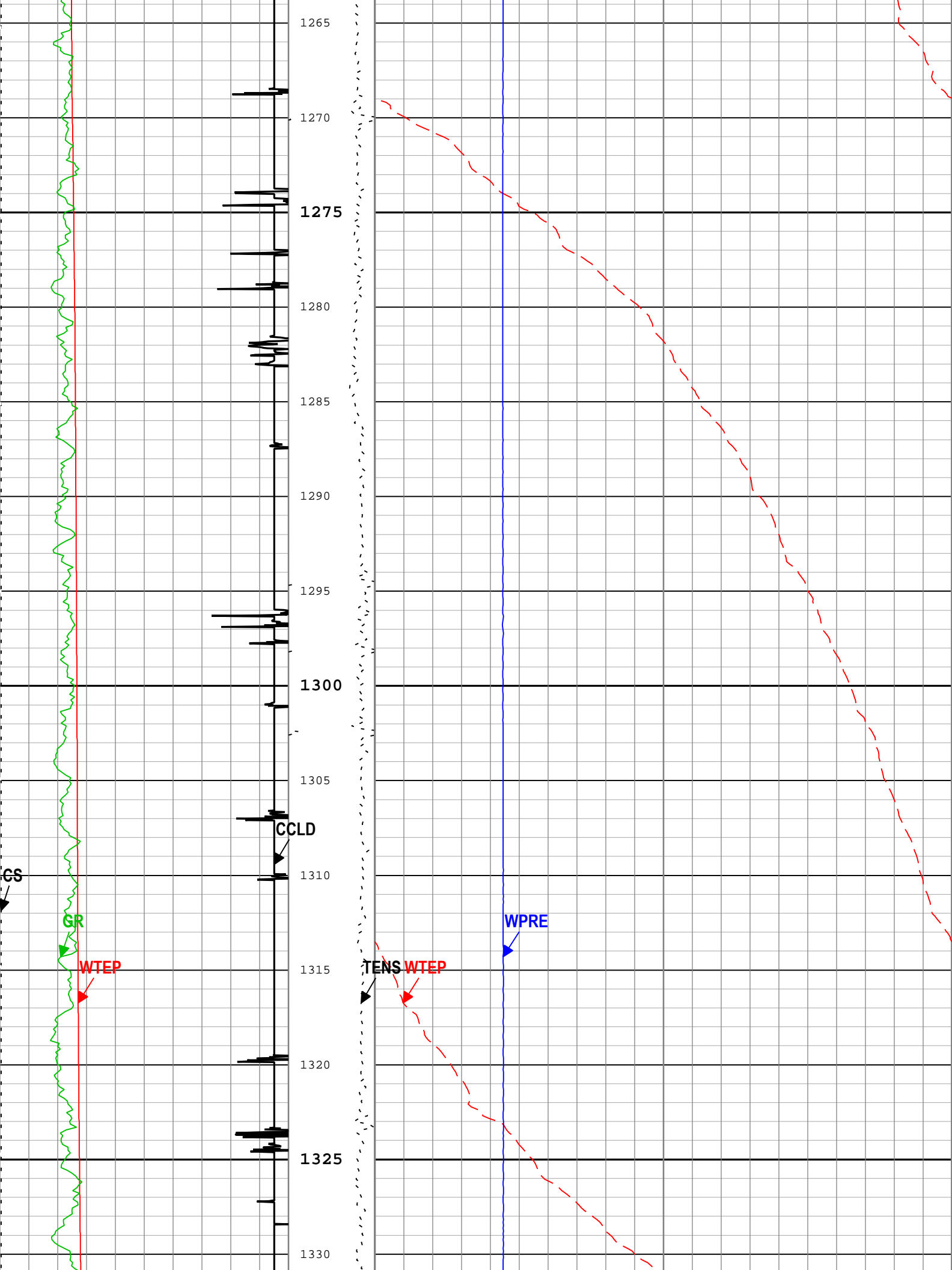


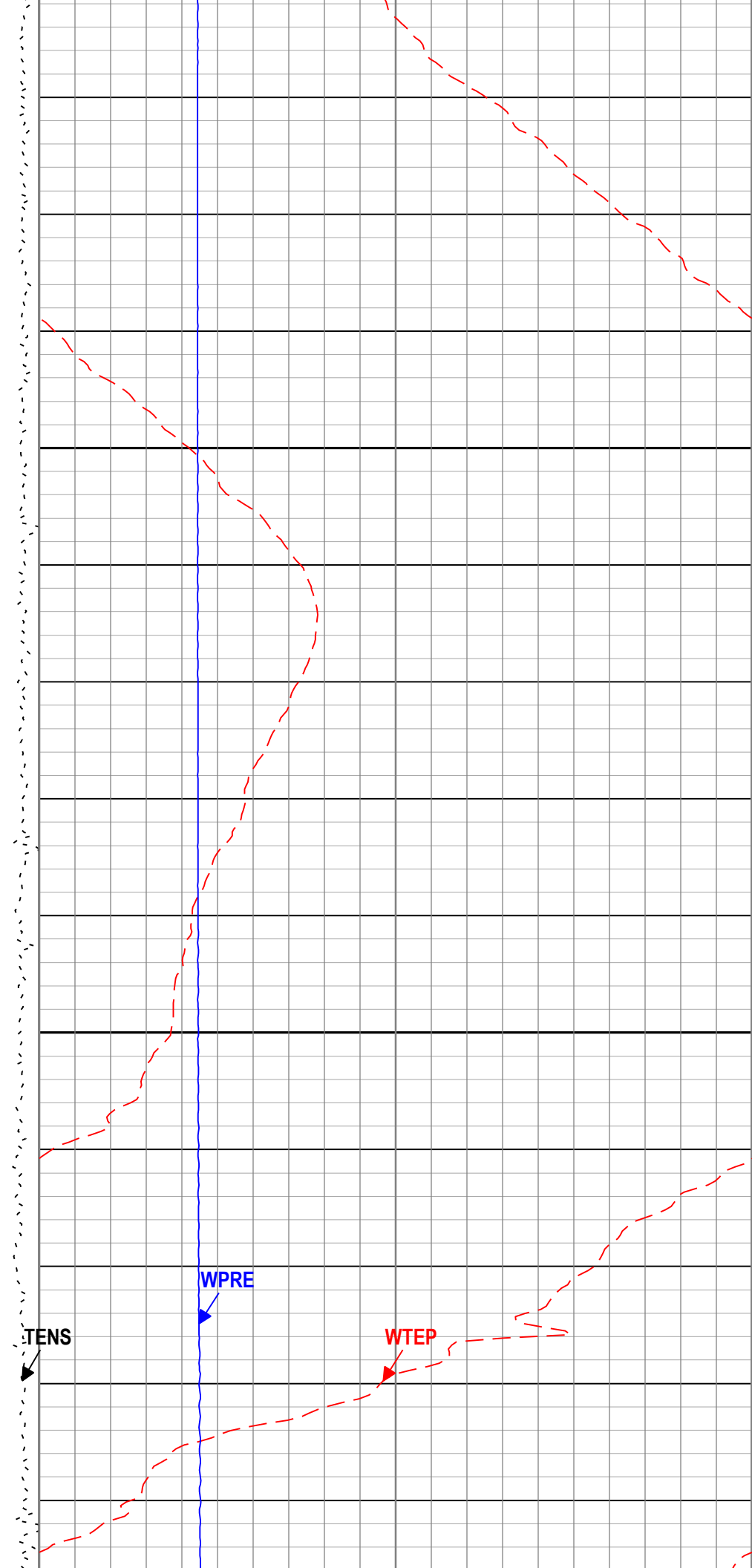
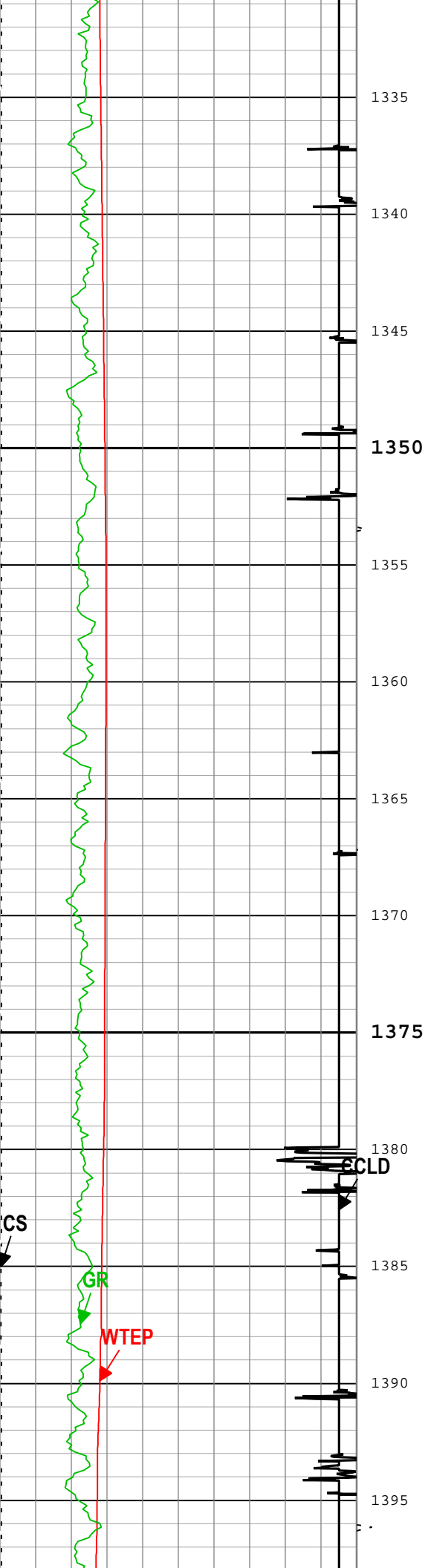


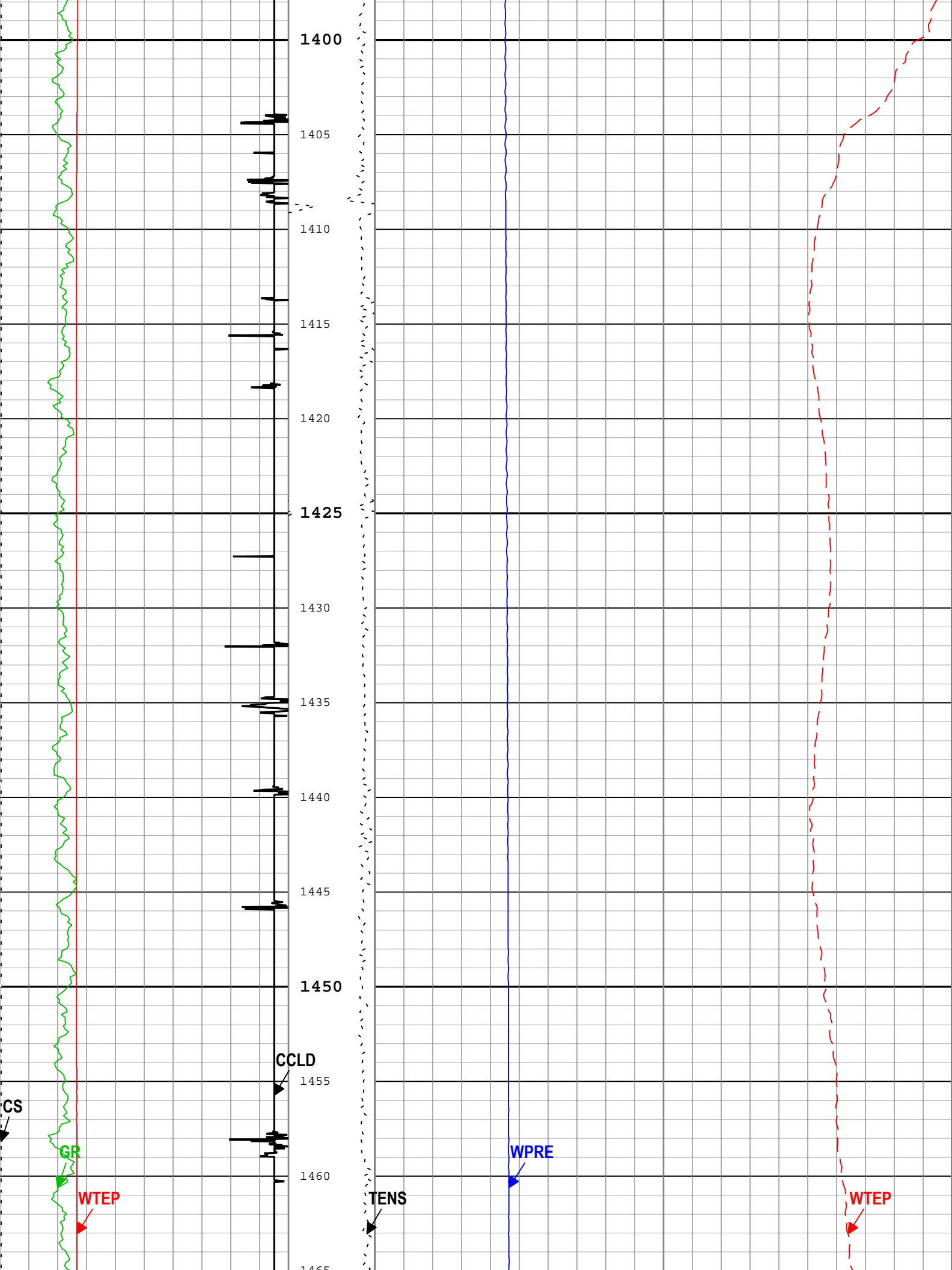


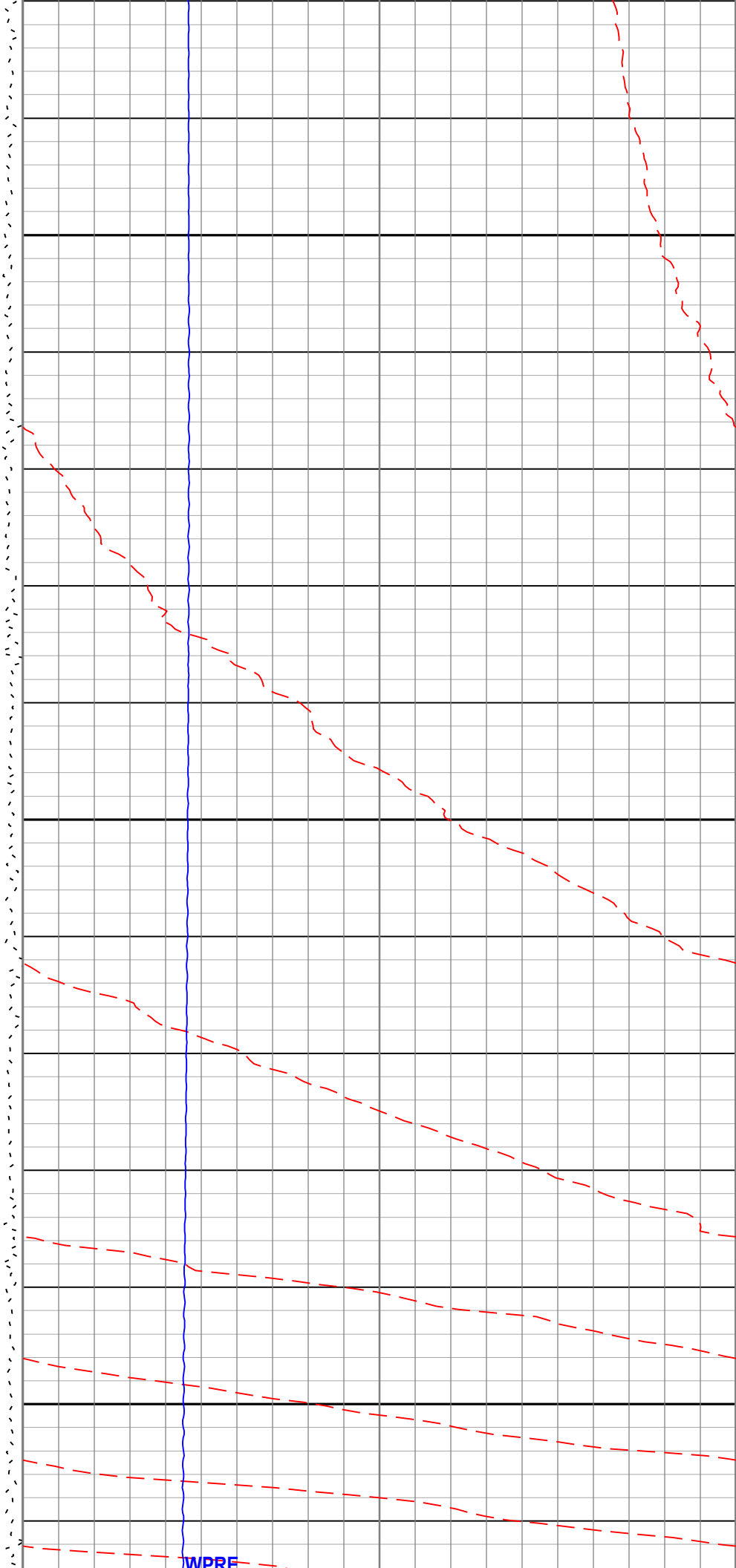
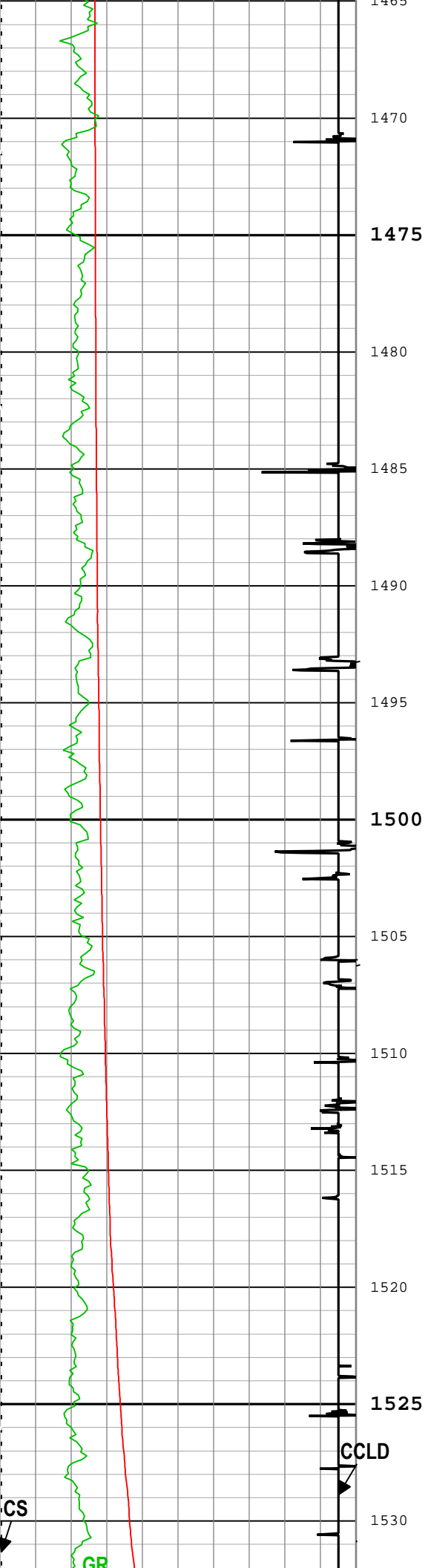


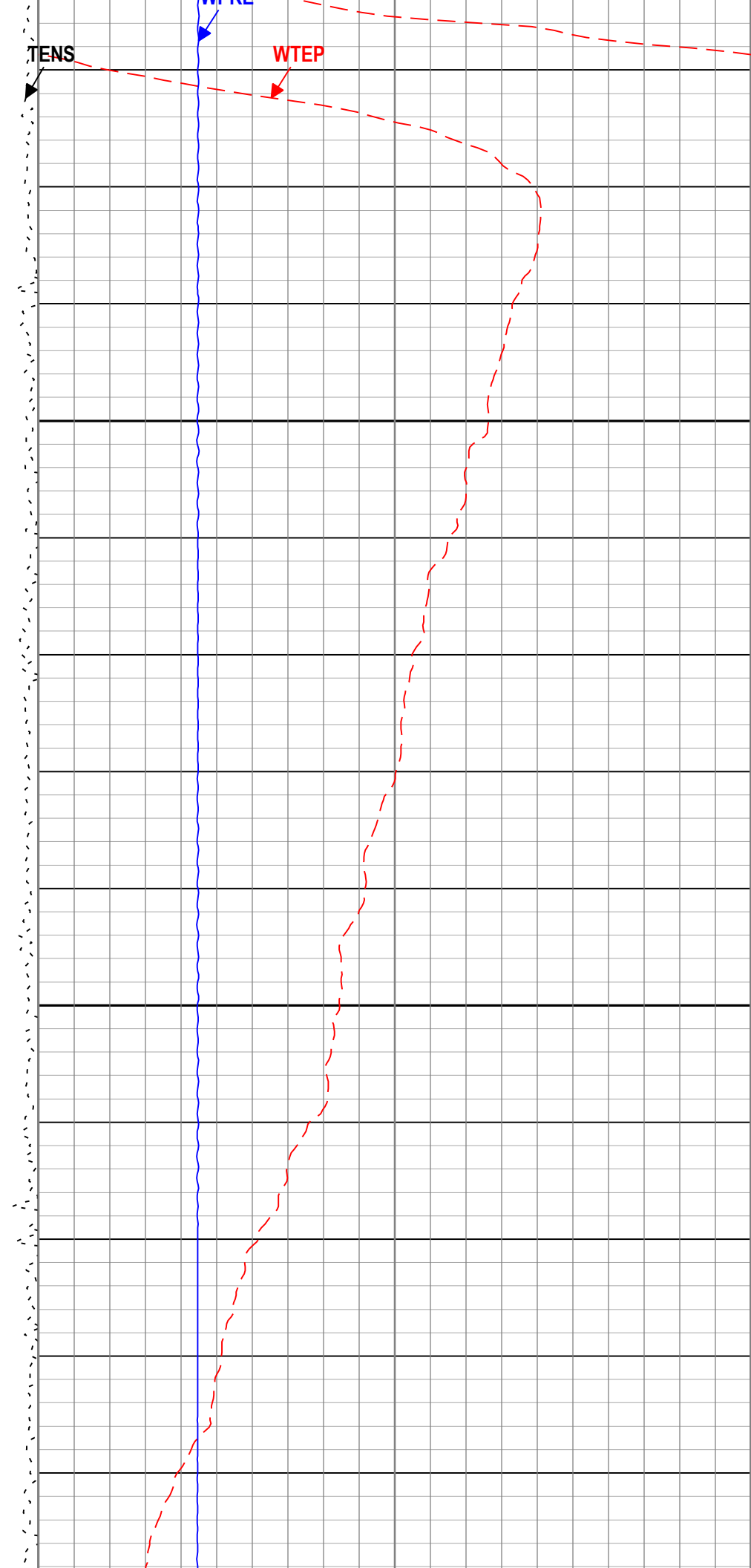
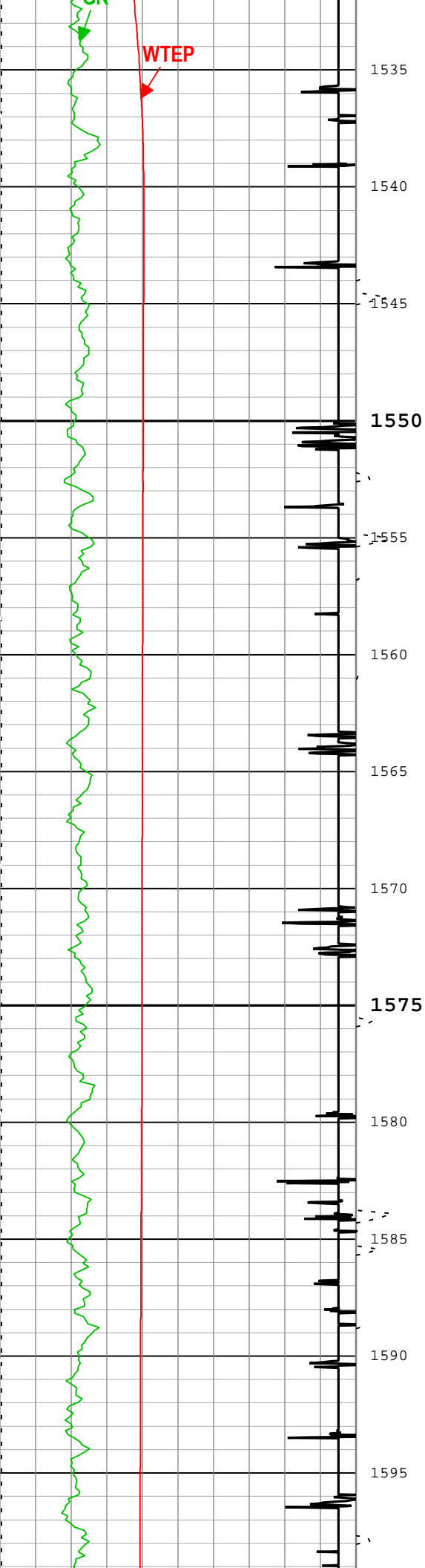


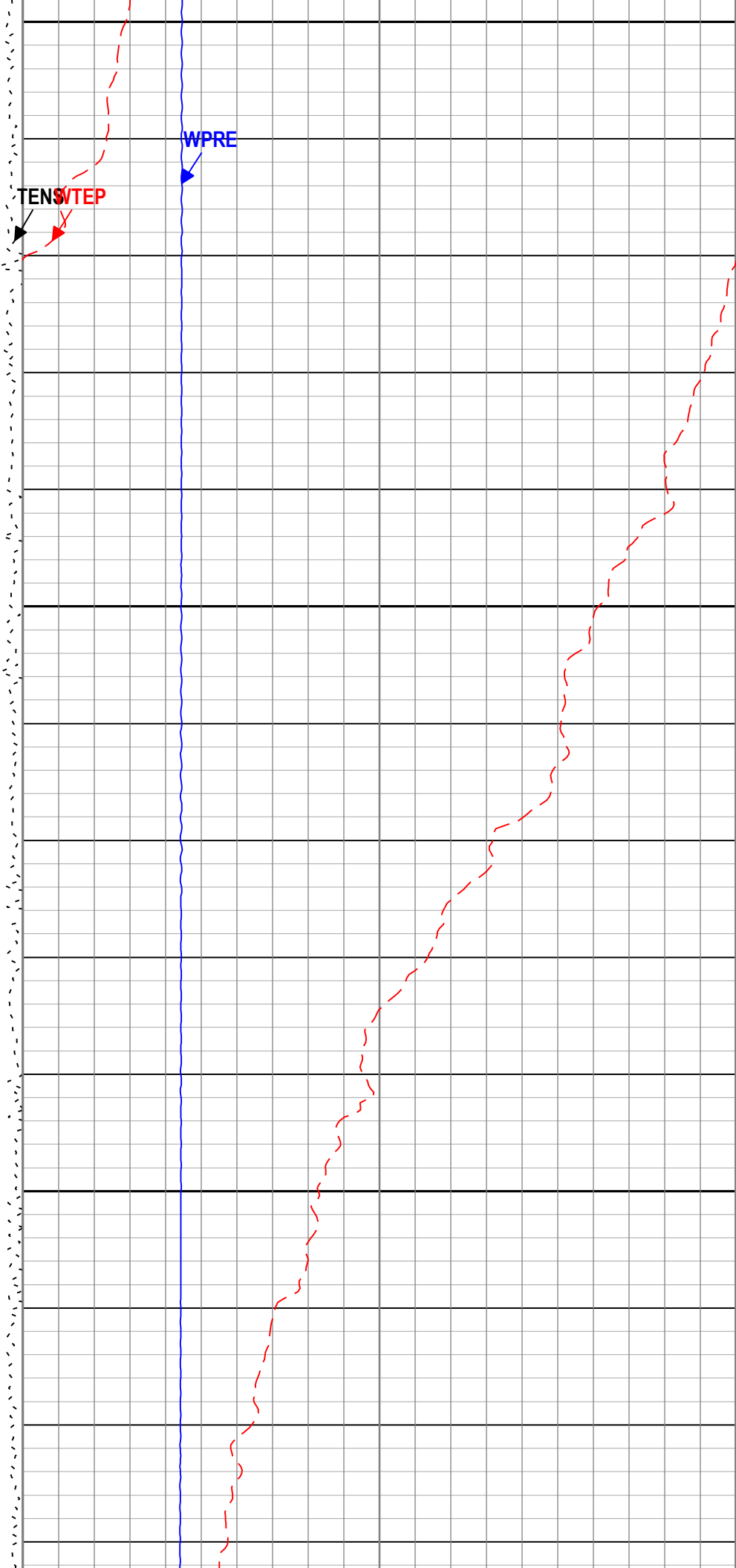
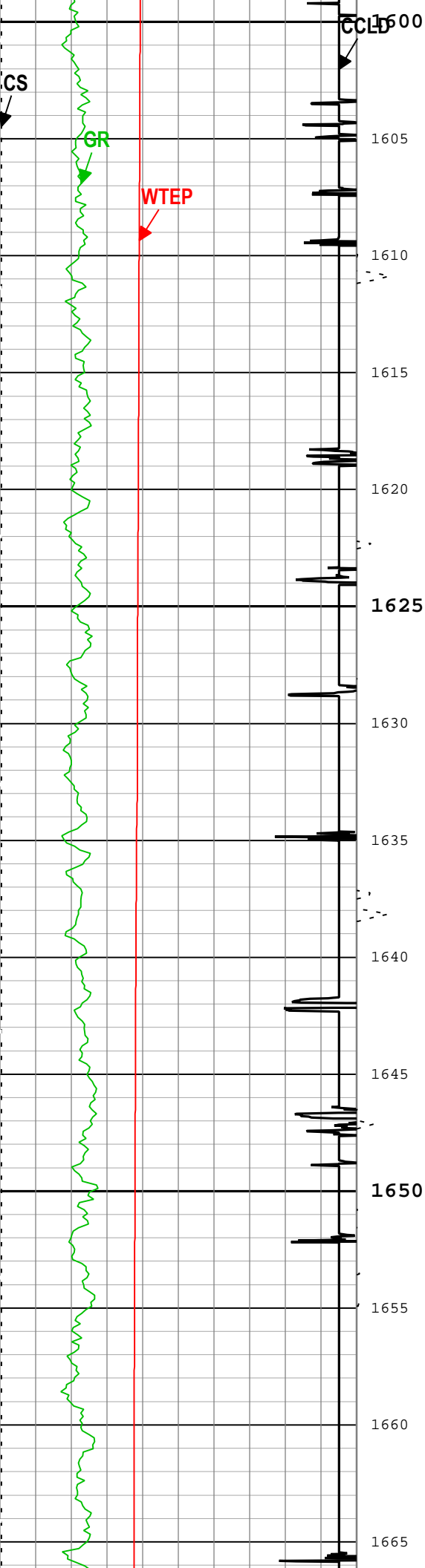


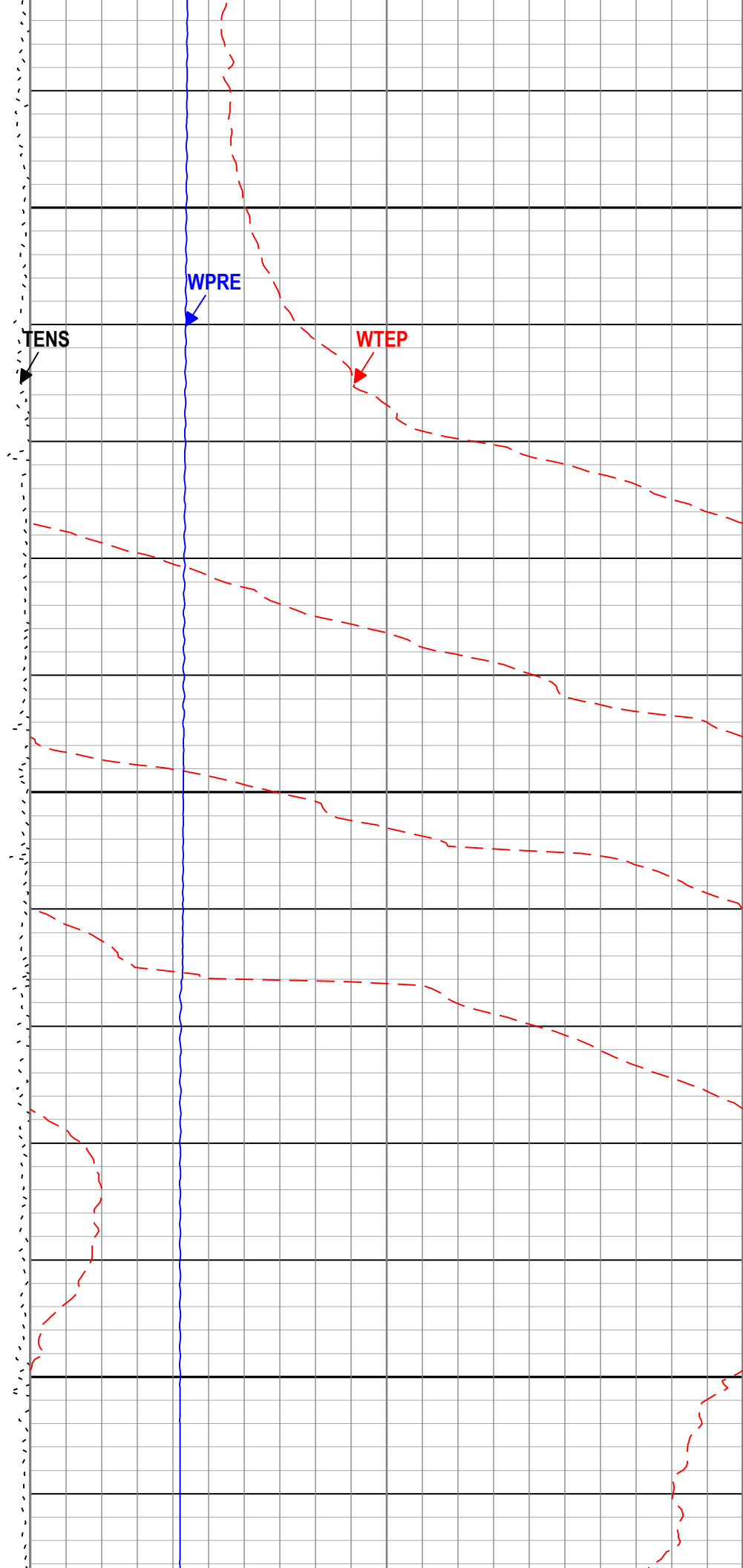
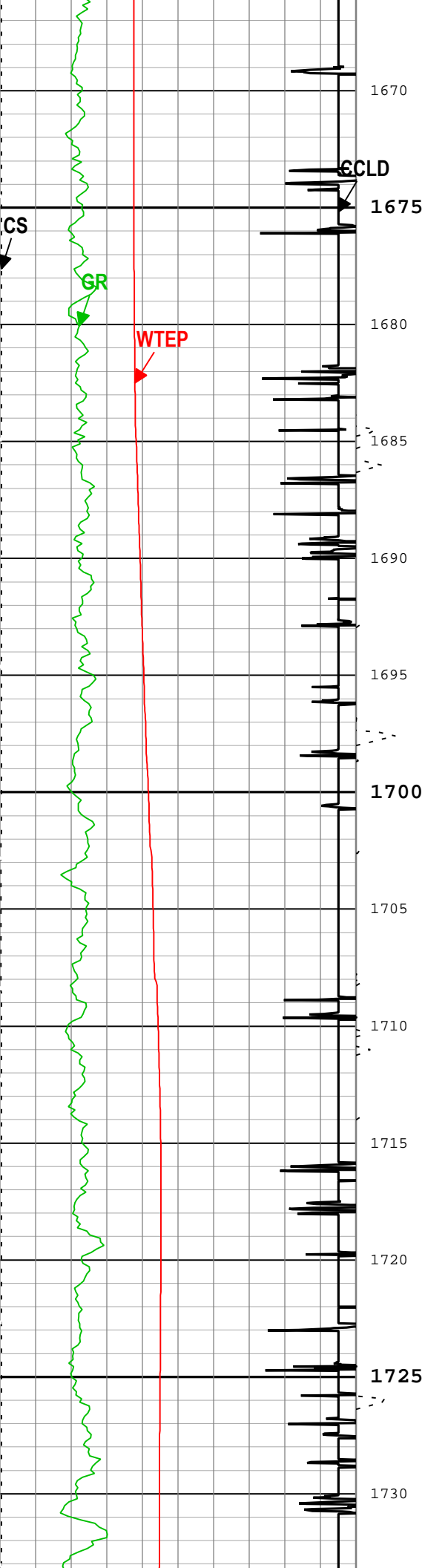


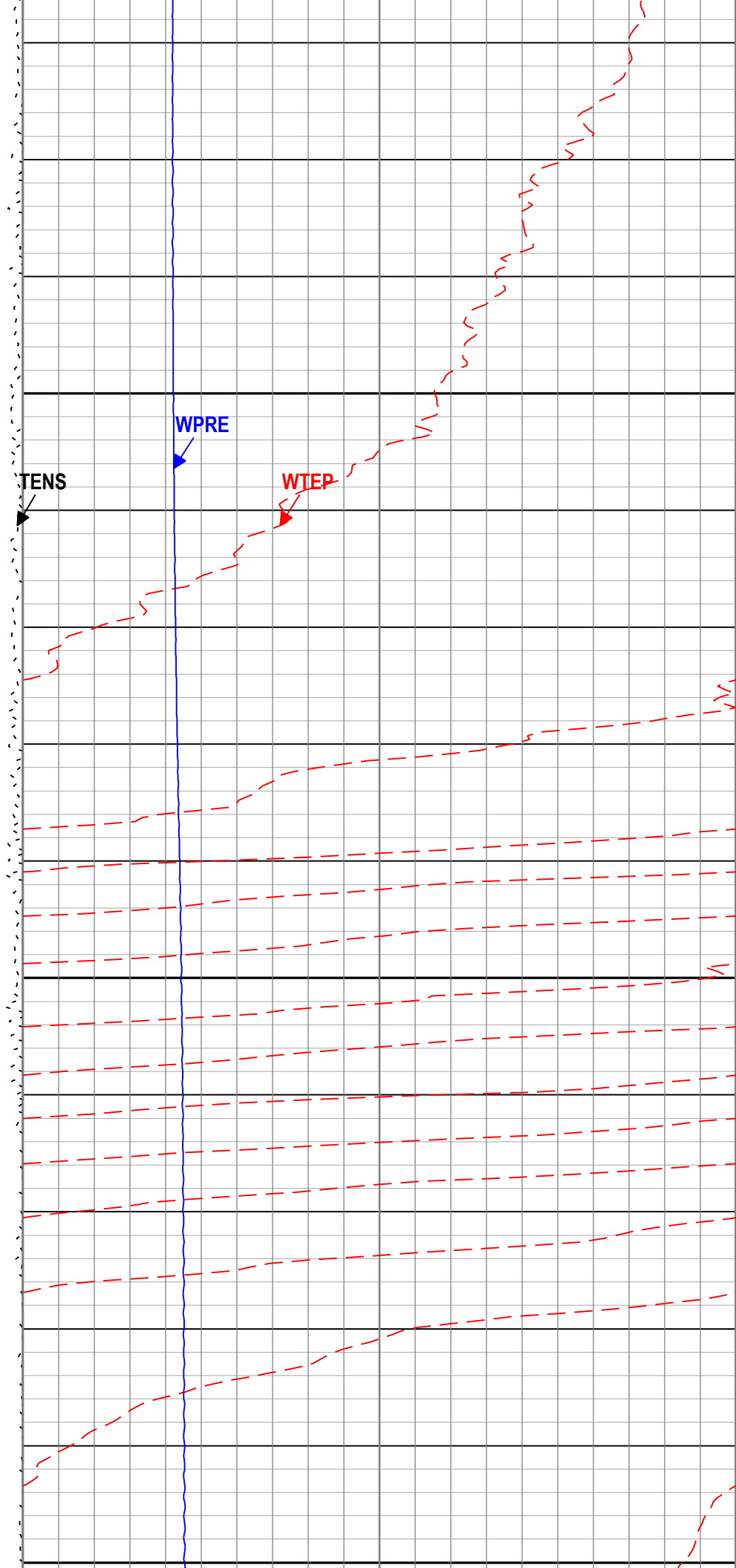
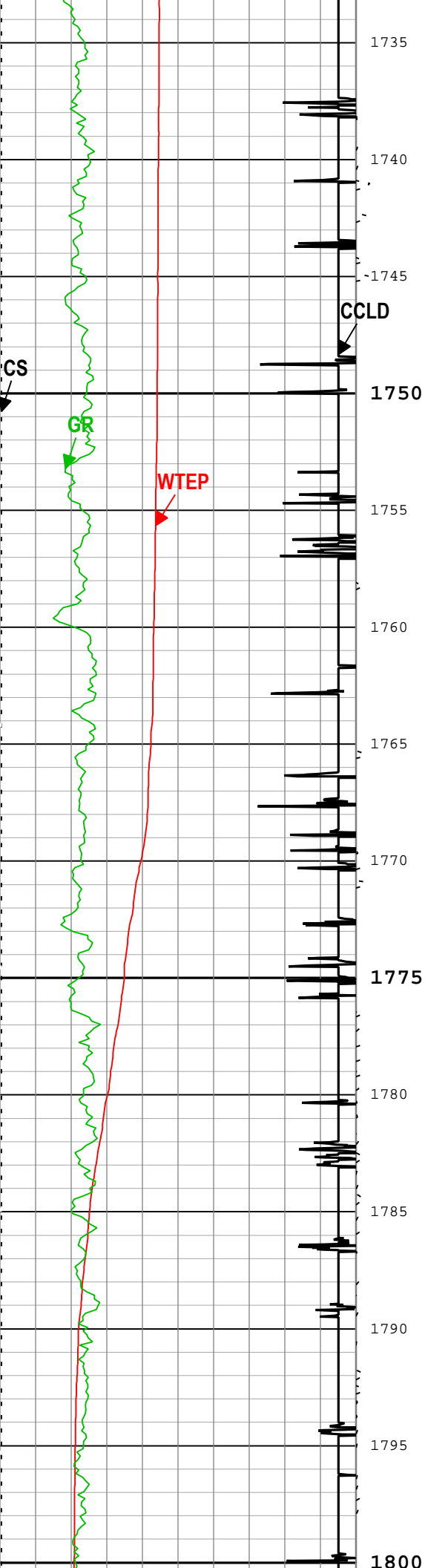




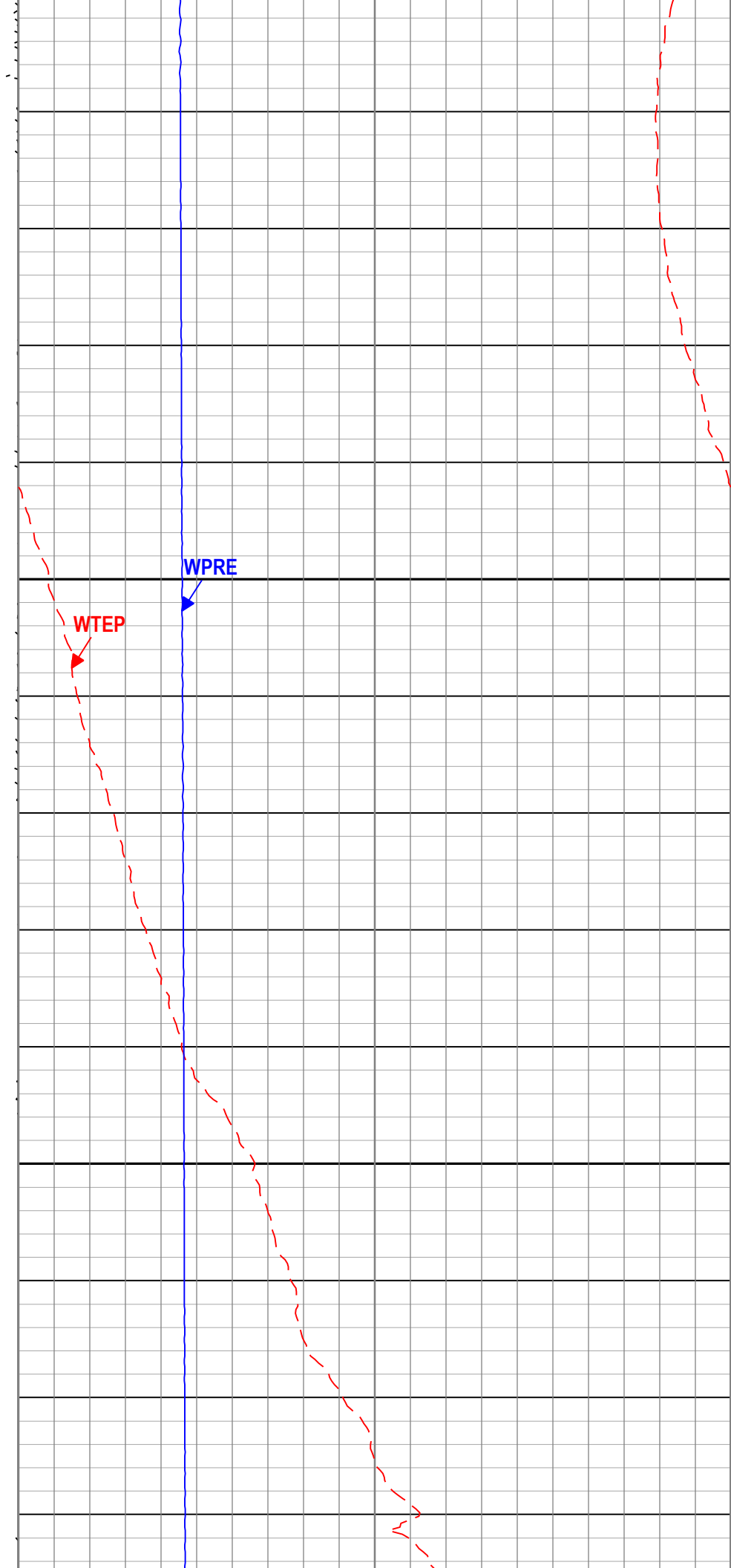
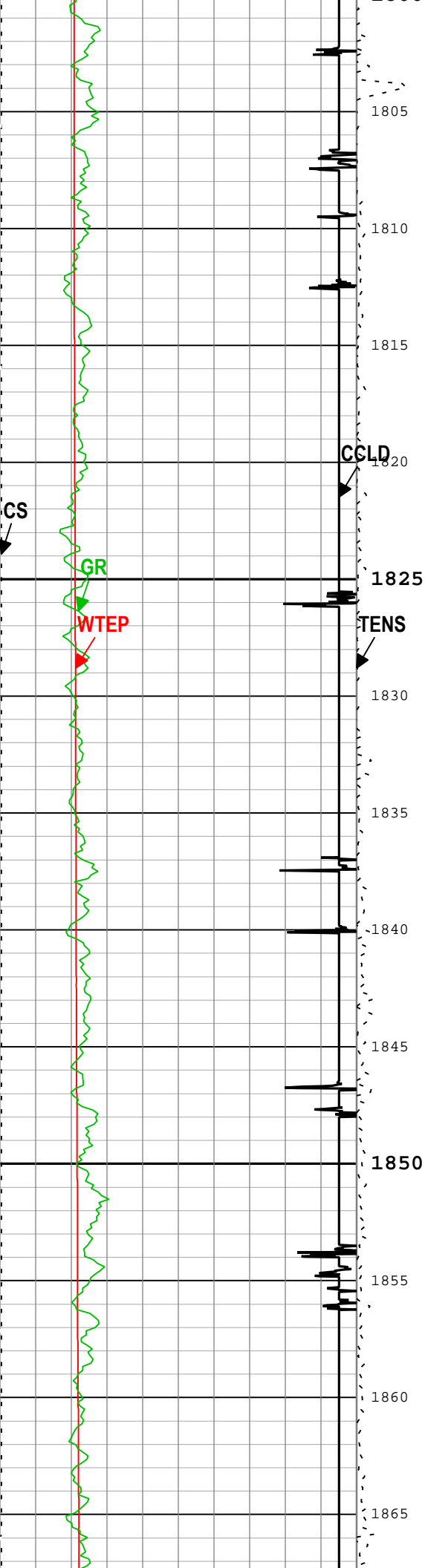


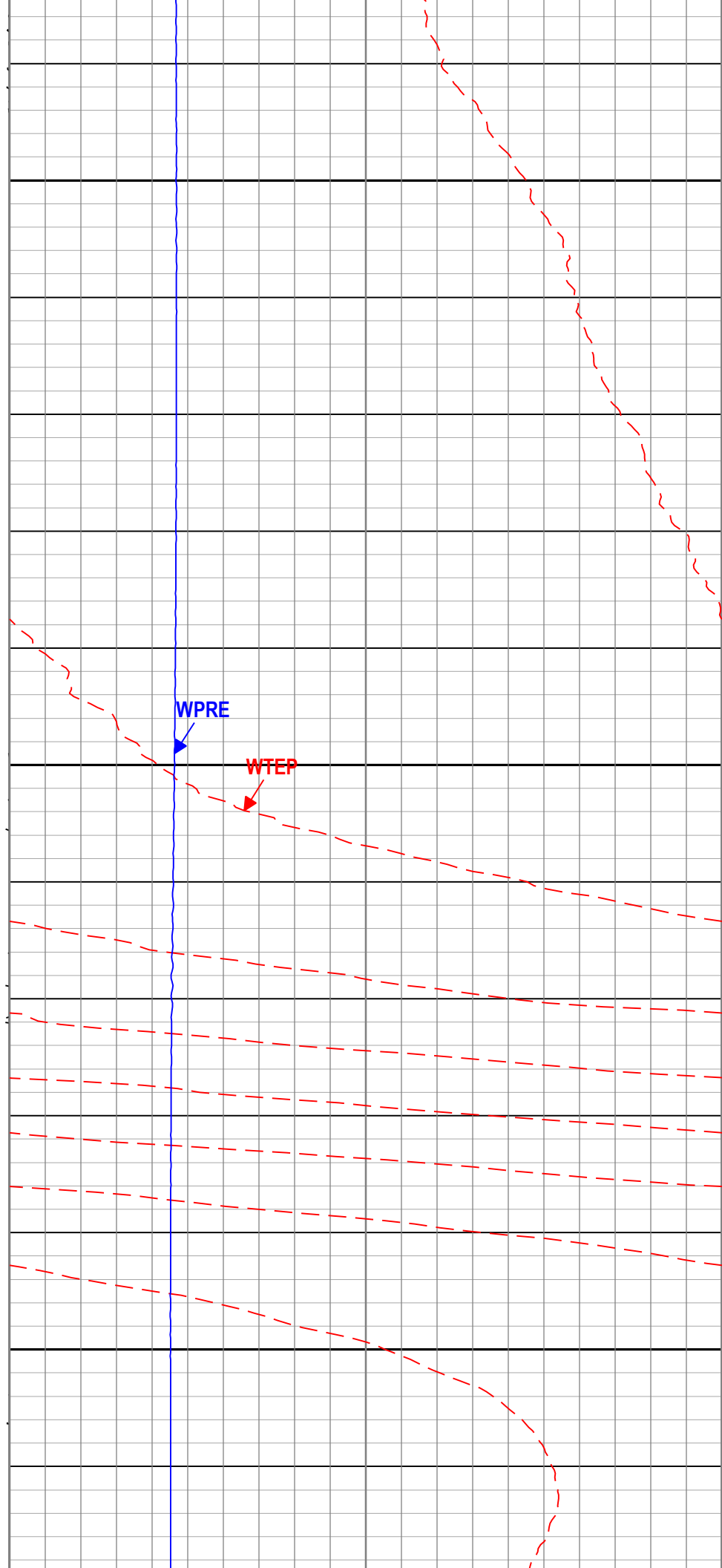
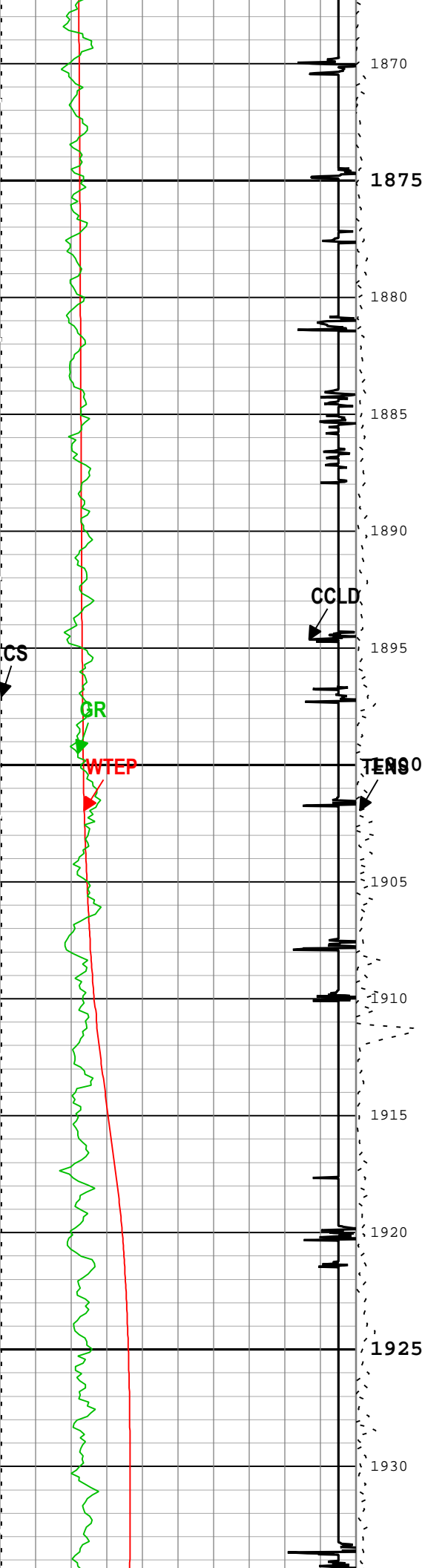


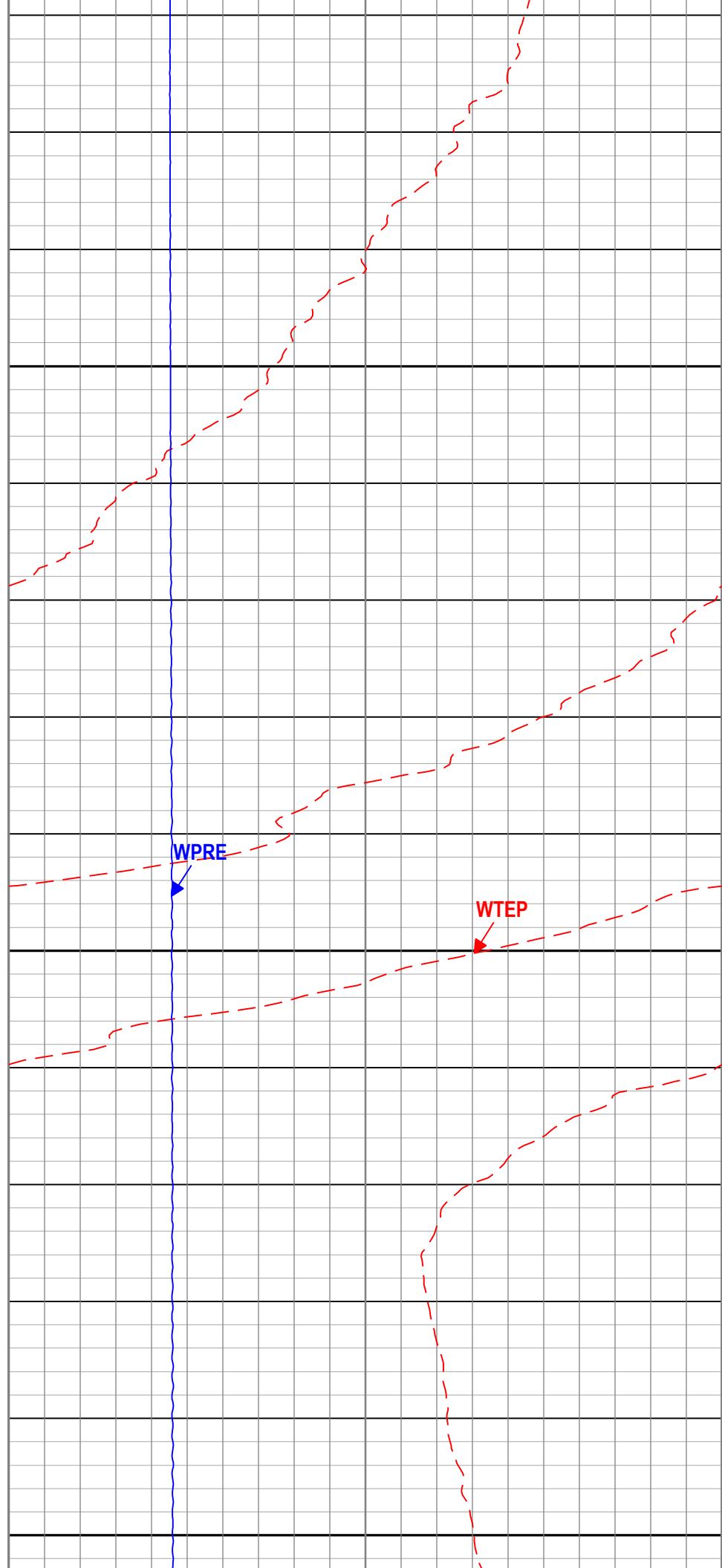
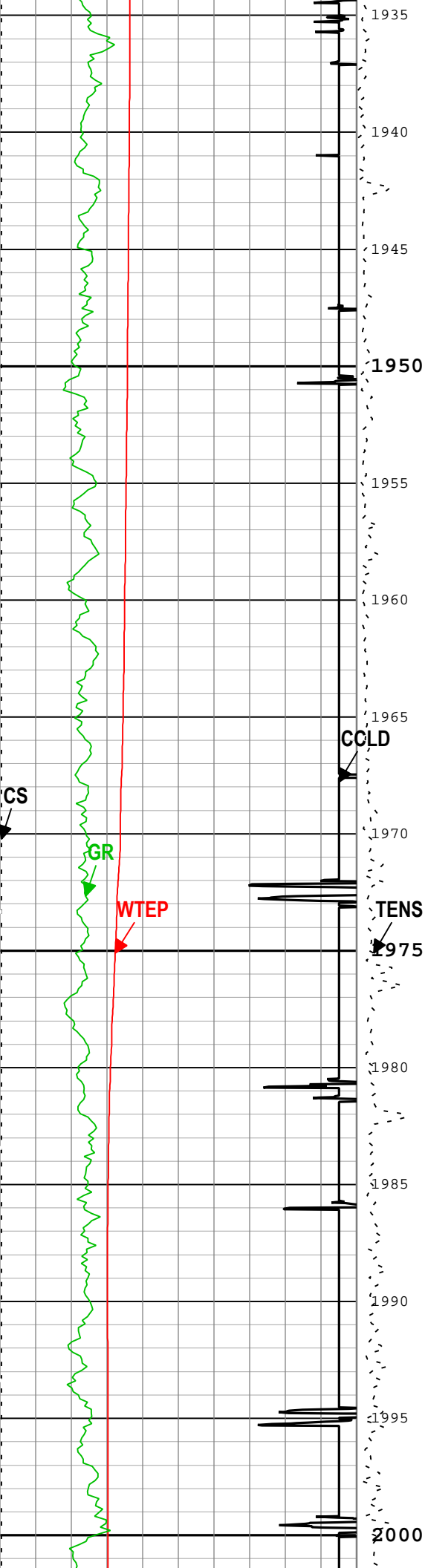


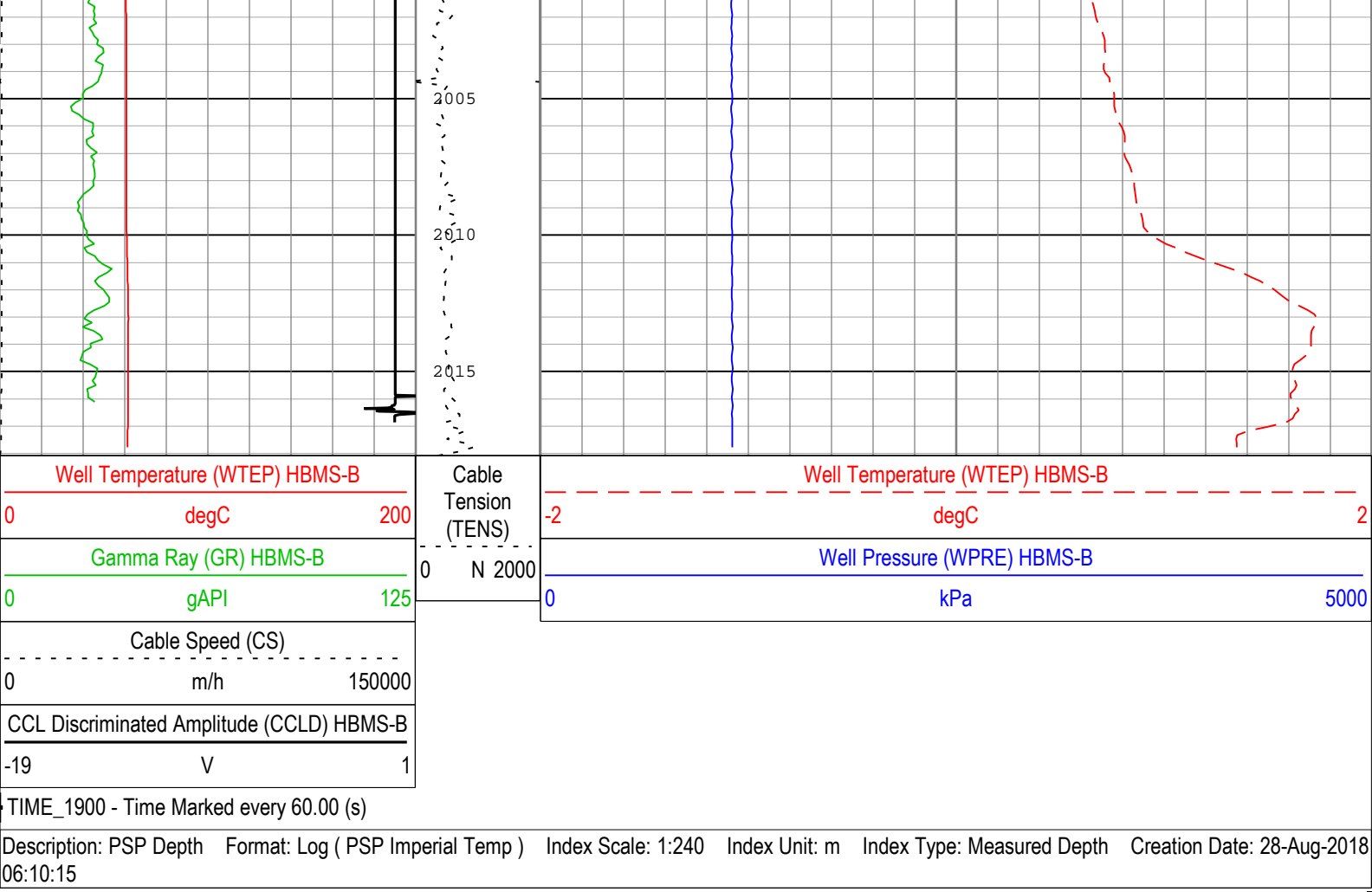












Channel Processing Parameters				
Tool Control Parameters				
ONE: Parameters				
Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	5486.4	m/h

Company:	IMPERIAL OIL RESOURCES LIMITED	Schlumberger
Well:	IMP M03-H21 LEMING 6-34-65-4	
Field:	LEMING	
Province:	ALBERTA	
Status:	**MD**	

# TEMPERATURE LOG