

Company: IMPERIAL OIL RESOURCES LIMITED

Well: IMP 05 H59-14 COLD LK 7-16-66-4

Field: LEMING

Province: ALBERTA Country: CANADA

TEMPERATURE LOG

Province: ALBERTA

Field: LEMING

Location: LSD: 8-16-66-4W4

Well: IMP 05 H59-14 COLD LK 7-16-66-4

Company: IMPERIAL OIL RESOURCES LIMITED

Location:	
LSD: 8-16-66-4W4	
UWI: 100071606604W400	
Permanent Datum:	Ground Level
Log Measured From:	Kelly Bushing
Drilling Measured From:	Kelly Bushing
API Serial No.	Section:
0323655	8-16
	Township:
	066
	Range:
	04W4

Logging Date	13-Apr-2017		
Run Number	1		
Depth Driller	577.00 m		
Schlumberger Depth	15240.00 m		
Bottom Log Interval	540.00 m		
Top Log Interval	5.02 m		
Casing Fluid Type	Water		
Salinity			
Density	1198.26 kg/m3		
Fluid Level	2.44 m		
BIT/CASING/TUBING STRING			
Bit Size	215.90 mm		
From	0.00 m		
To	15240.00 m		
Casing/Tubing Size	73.025 mm		
Weight	9.67 kg/m		
Grade	N80		
From	0.00 m		
To	548.57 m		
Max Recorded Temperatures			
Logger on Bottom	13-Apr-2017	05:56:00	
Unit Number	Location:		
Recorded By	CODY FREY	NISKU PS	
Witnessed By	GREG GELETY		

Disclaimer

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

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Remarks and Equipment Summary

1: Toolstring				1: Remarks
Equip name	Length	MP name	Offset	MAX TEMPERATURE AT 516.15 MKB 196.50 C
PEH-E	4.95			FLUID SHOT 20/55
				PRESSURE BEFORE LOG 0 KPA
AH-38	4.43			PRESSURE AFTER LOG 0 KPA
EQF-43	4.35			LAST FLUID MOVEMENT APRIL 7 2017 6m3 BFW
				WELL N2 PURGED APRIL 10 2017
				PSN AT 541.04 MKB
PSTP-A:1853	2.52			
PSC-A:1853		GR	1.39	
PSTC-A:1853		PSTC	1.3	
PBMS-A:1853		PSTC Tool String Bottom	0.00	
Sapphire 10kPS		Temperature	0.45	
I:1853		Sapphire Pressure	0.42	
		CCL	0.23	
		PBMS	0.00	
		TOOL_ZERO		
Lengths are in m Maximum Outer Diameter = 42.863 mm Line: Sensor Location, Value: Gating Offset All measurements are relative to TOOL_ZERO				

Depth Summary

	1		
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		

Serial Number			
Length	0.01 m		
Conveyance Type	Wireline		
Rig Type	MAST		

1:Depth Control Parameters	Depth Control Remarks
Log Sequence First Log In the Well	ALL SCHLUMBERGER DEPTH CONTROL PROCEDURES FOLLOWED
Rig Up Length At Surface	IDW USED AS PRIMARY DEPTH CONTROL
Rig Up Length At Bottom	Z-CHART USED AS SECONDARY
Rig Up Length Correction	
Stretch Correction	
Tool Zero Check At Surface	

1

TEMPERATURE LOG

Software Version	
Acquisition System	Version
Maxwell 2016	6.0.53731.3100
Application Patch	Wireline_TestKit-EMIT-C-2016RC3_6.0.54288

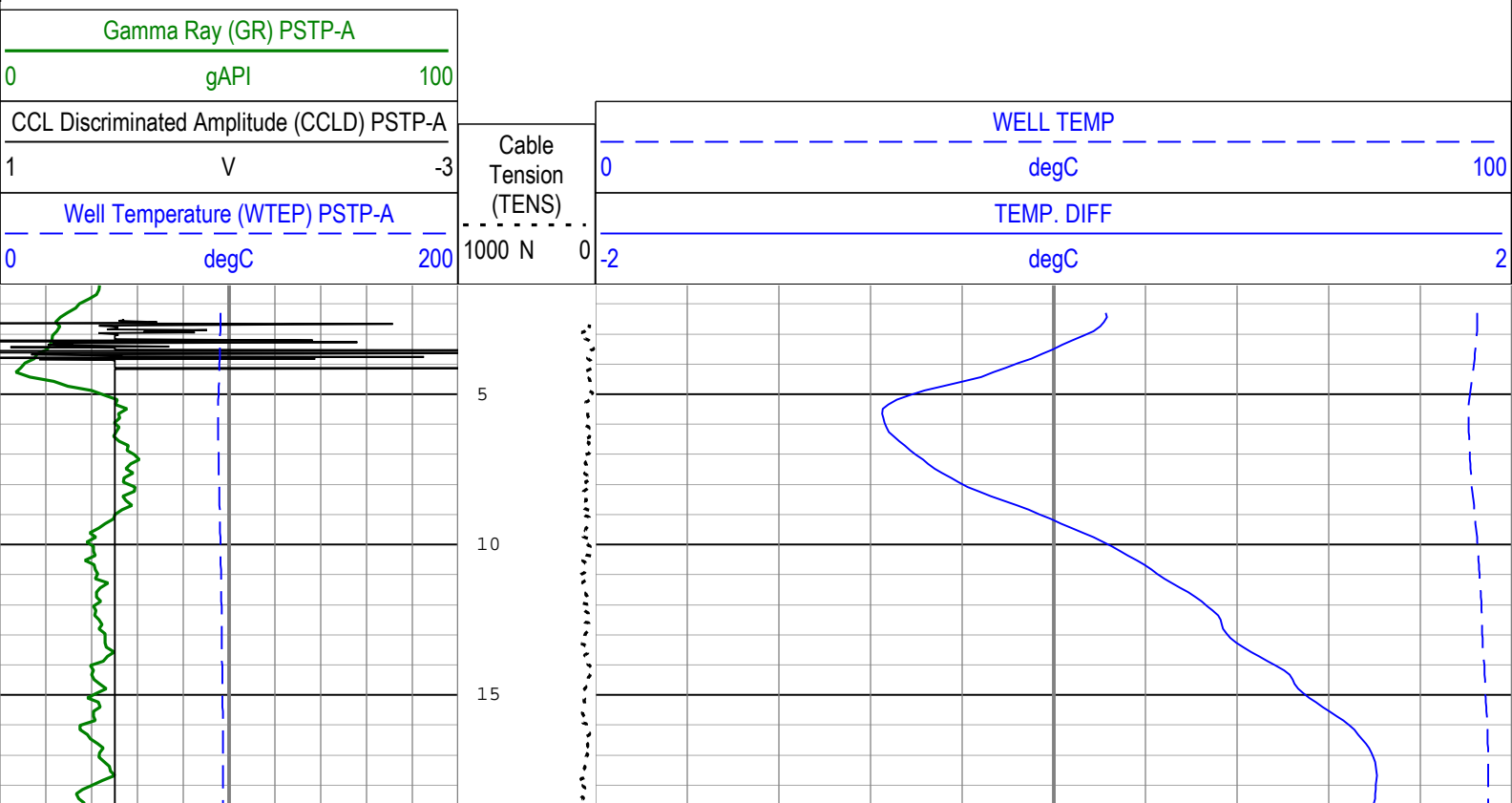
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
1	Log[1]:Down	Down	2.73 m	517.37 m	13-Apr-2017 4:23:29 AM	13-Apr-2017 5:33:01 AM	ON	0.00 m	Yes

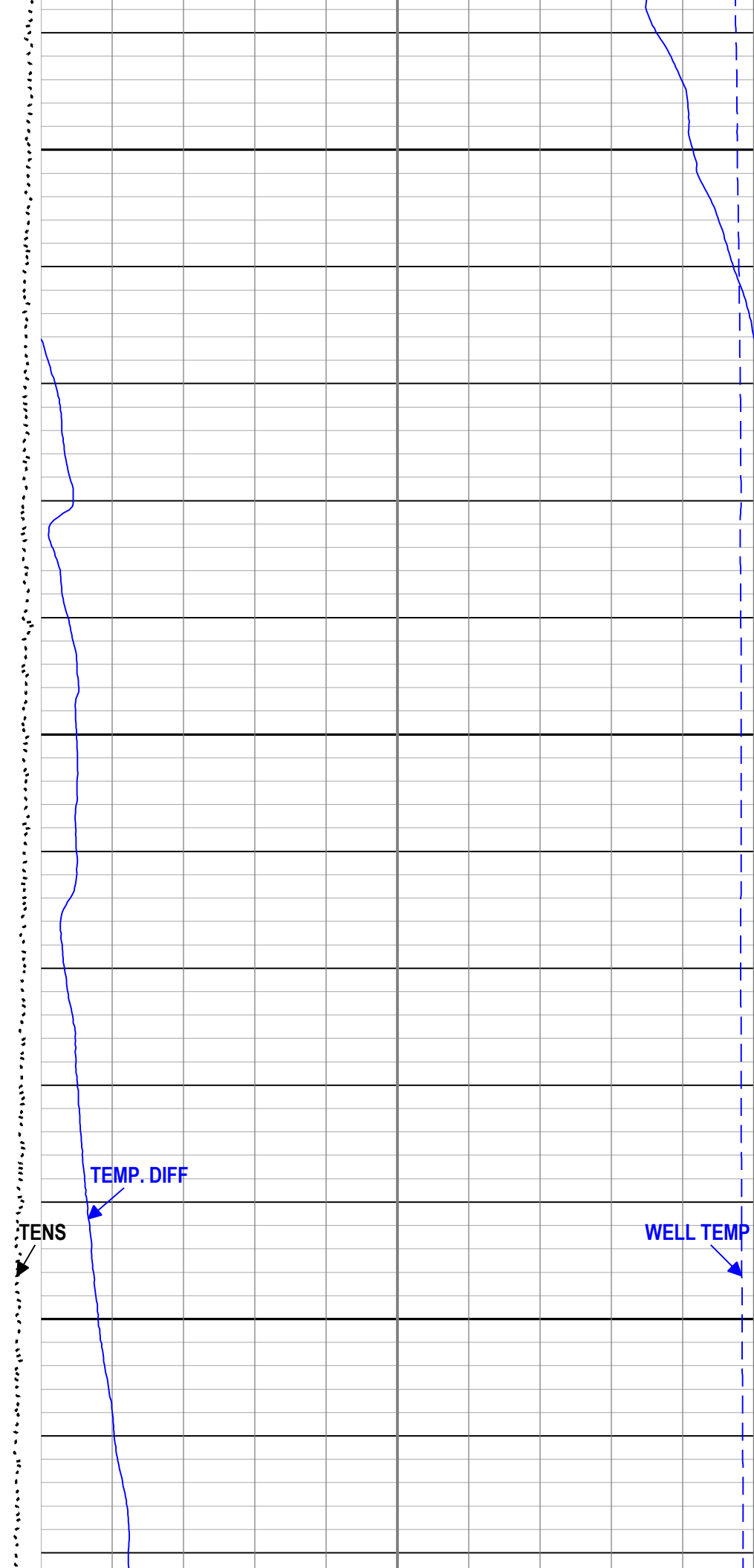
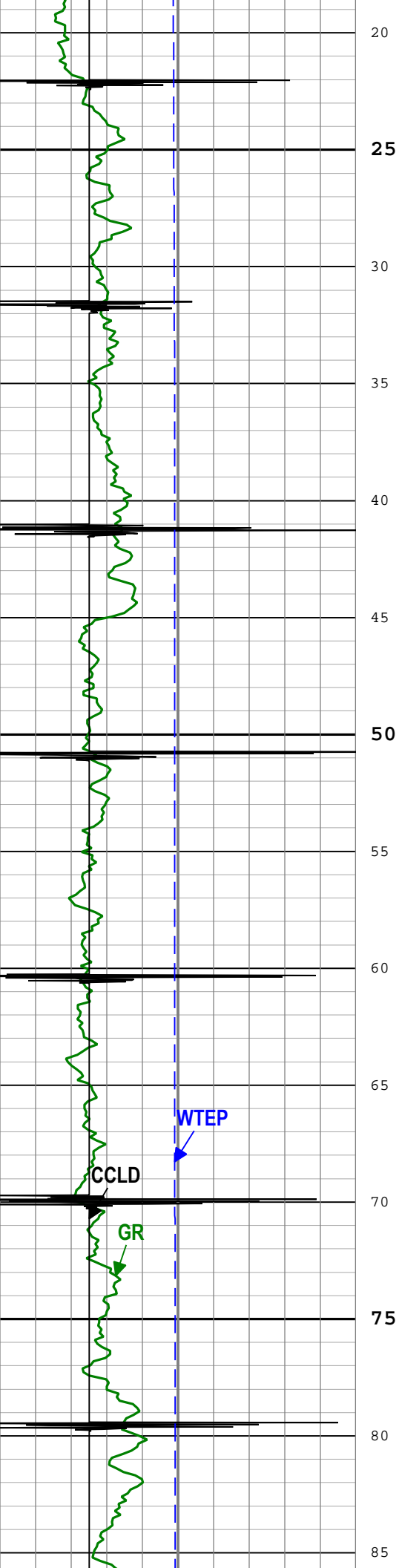
All depths are referenced to toolstring zero

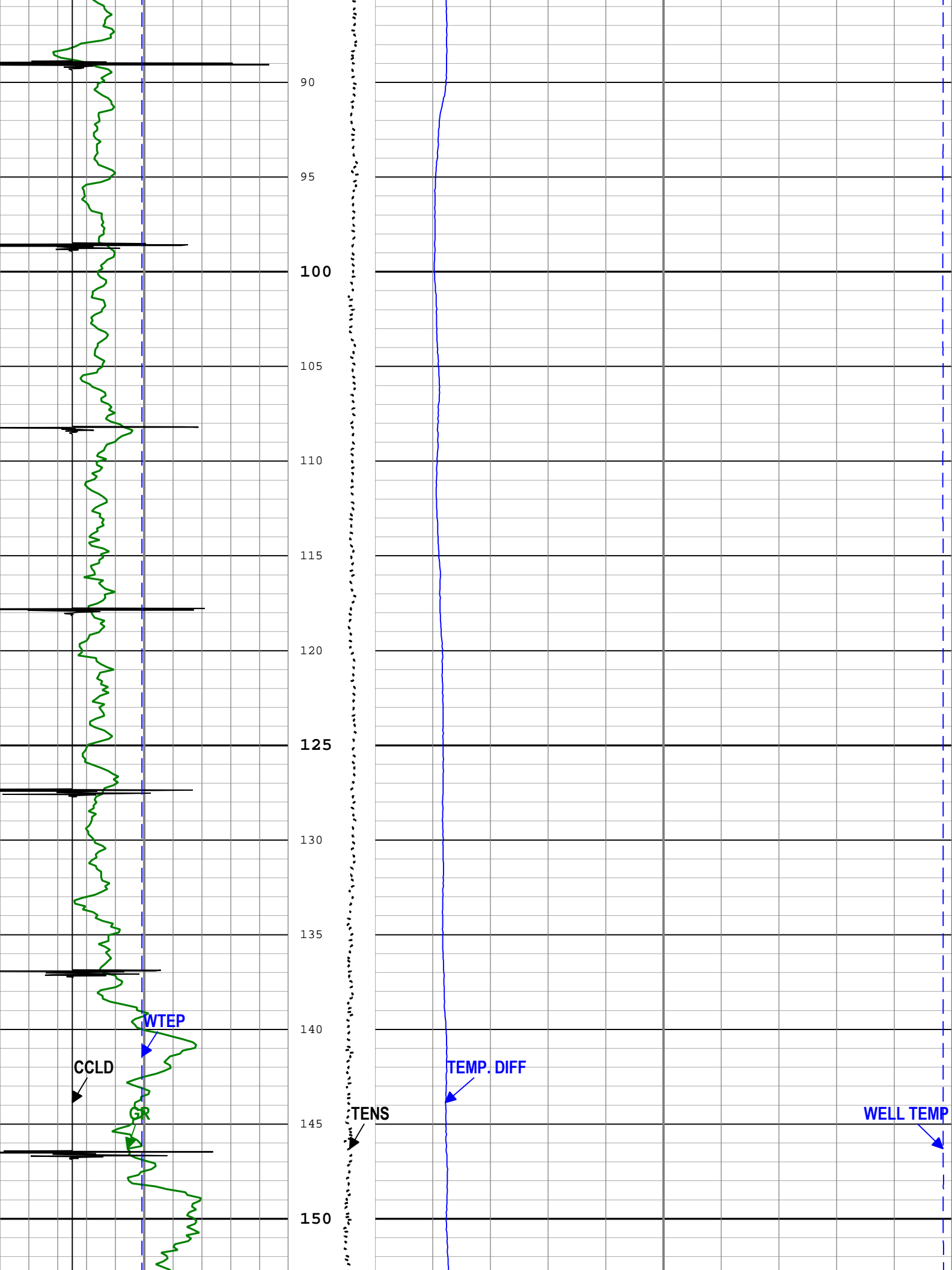
Log	Company:IMPERIAL OIL RESOURCES LIMITED Well:IMP 05 H59-14 COLD LK 7-16-66-4
	1: Log[1]:Down:S004

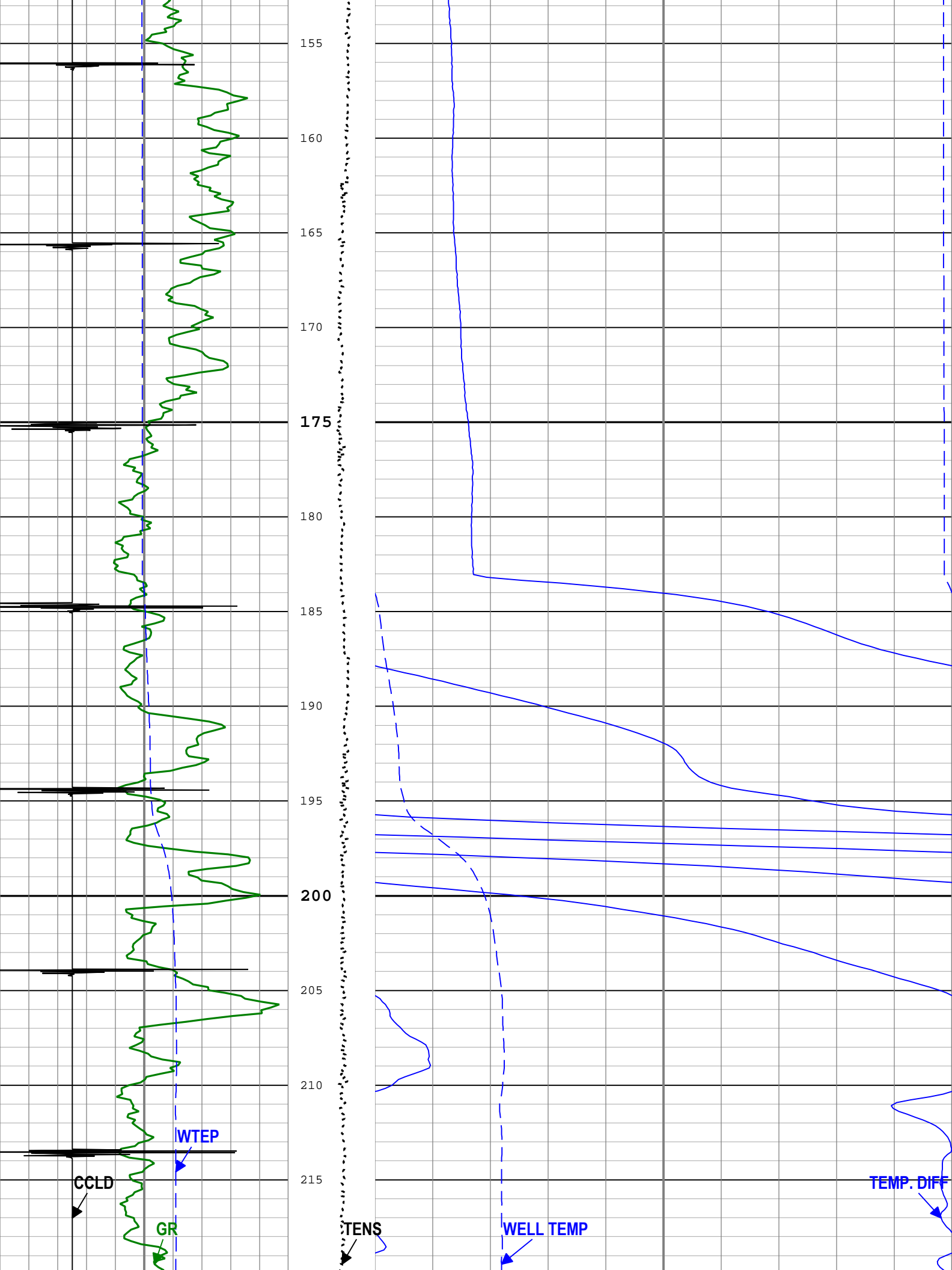
Description: PSP Depth Format: Log (TEMP DOWN PASS imperial) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 13-Apr-2017 13:06:20

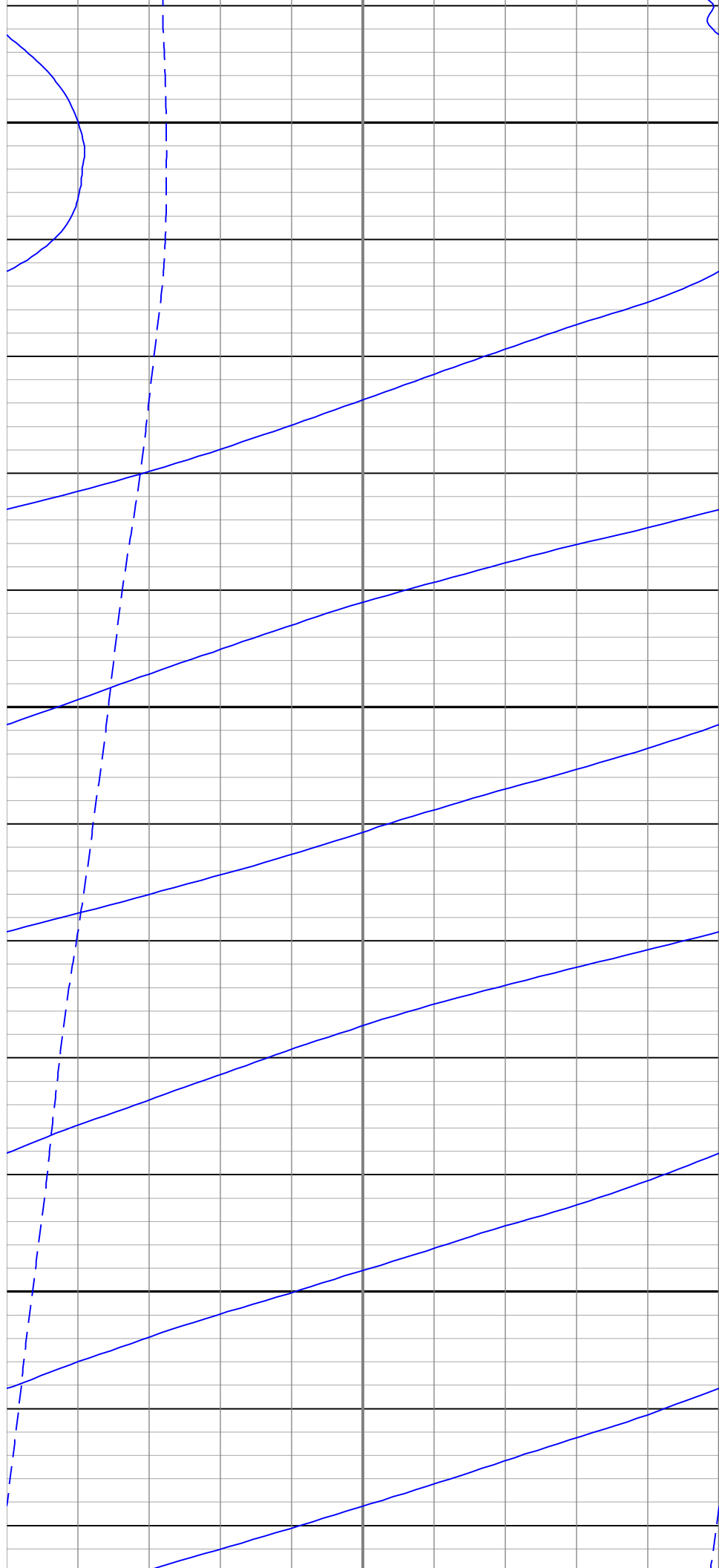
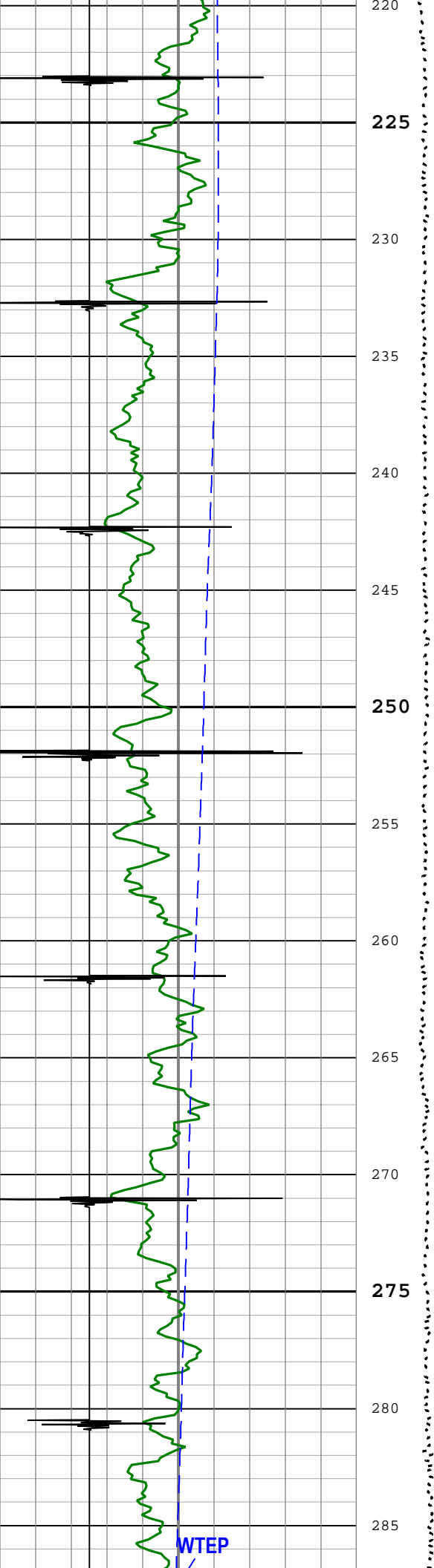
TIME_1900 - Time Marked every 60.00 (s)

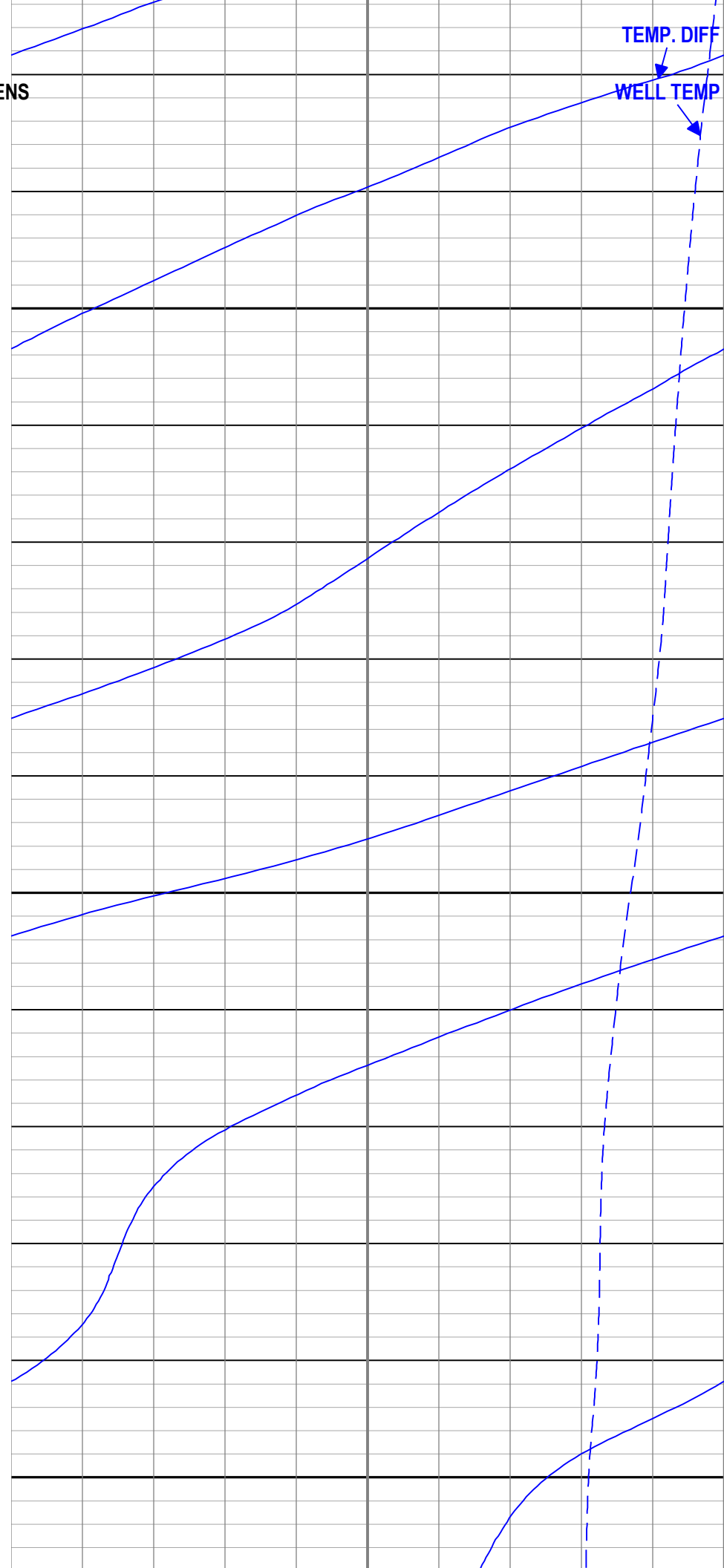
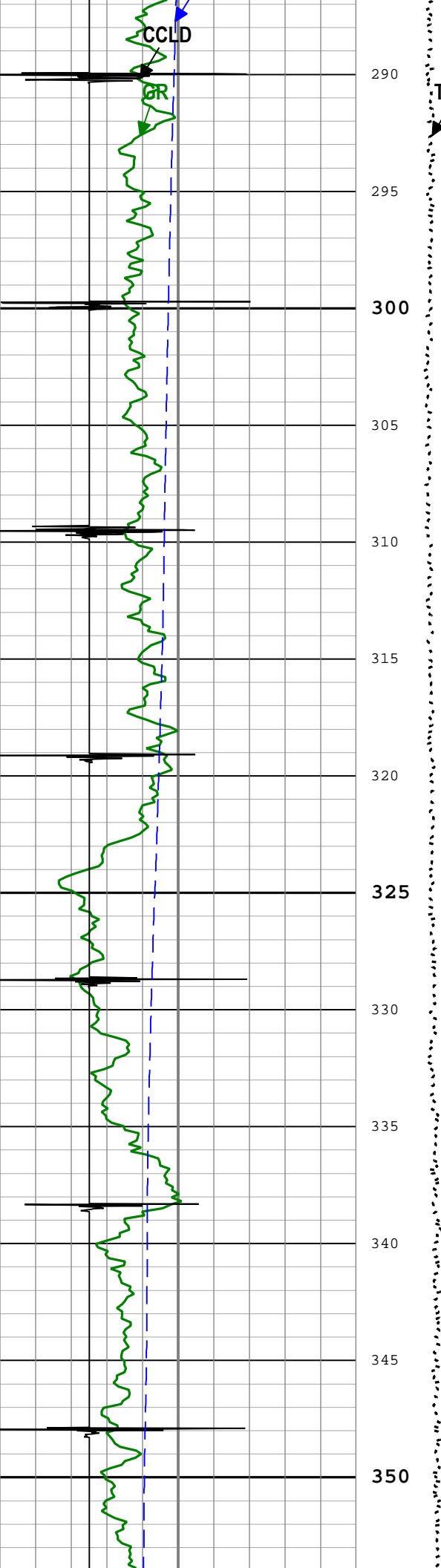


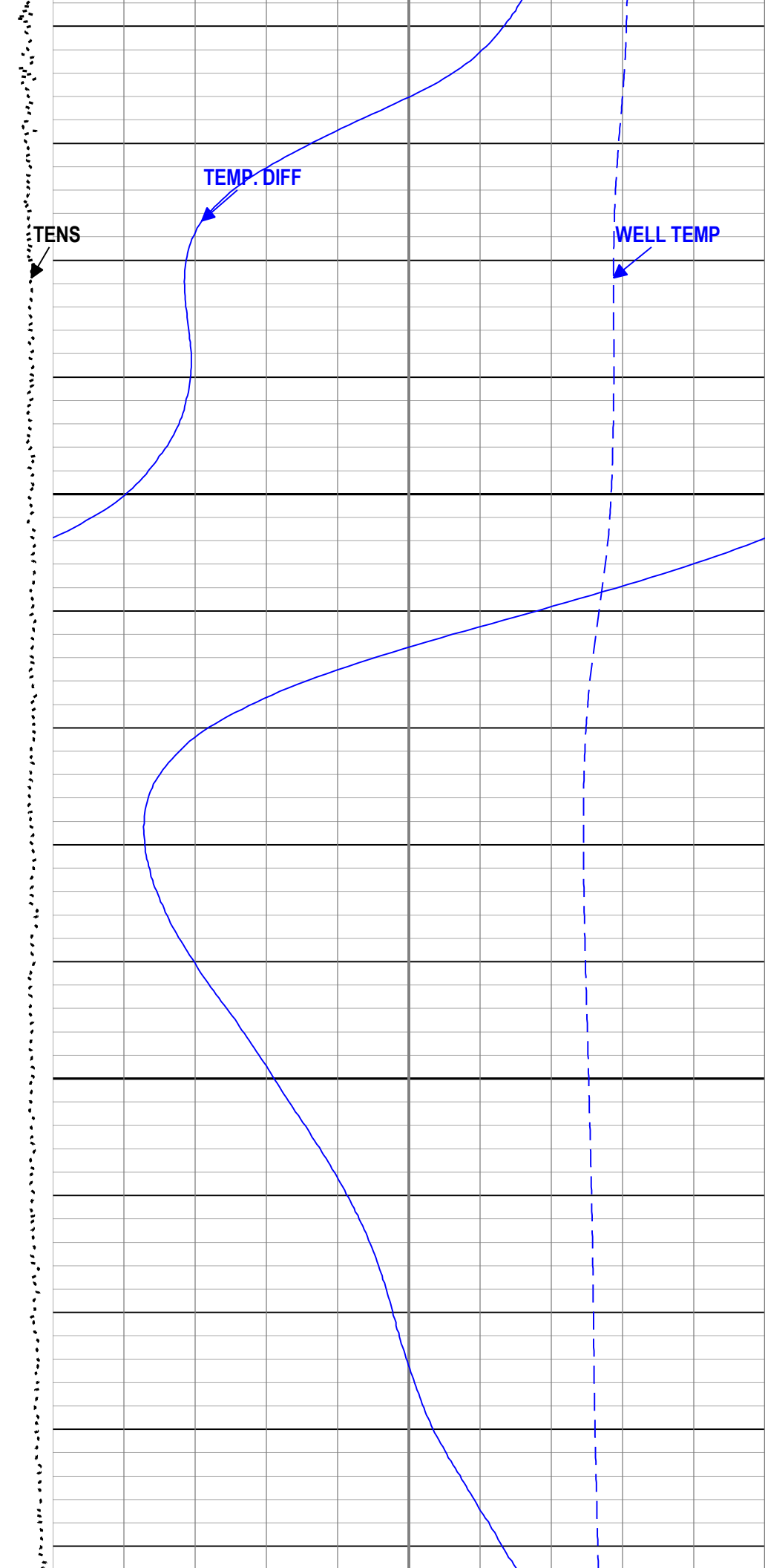
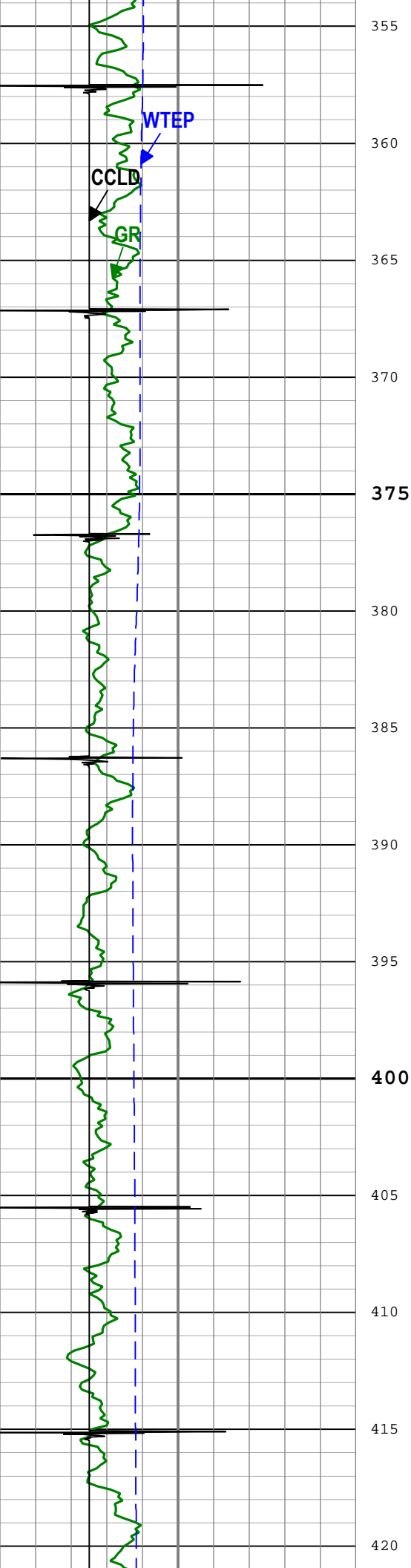


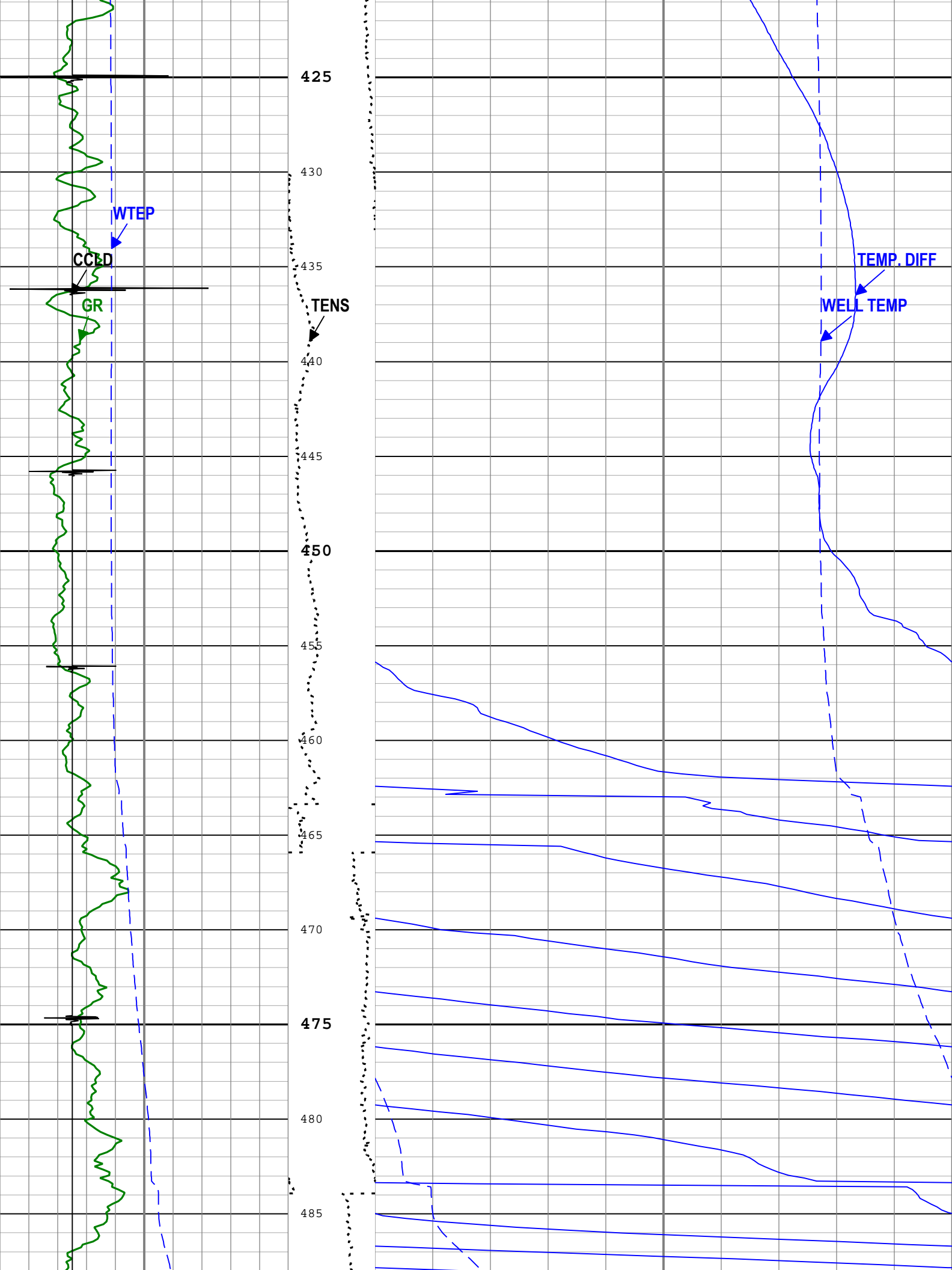


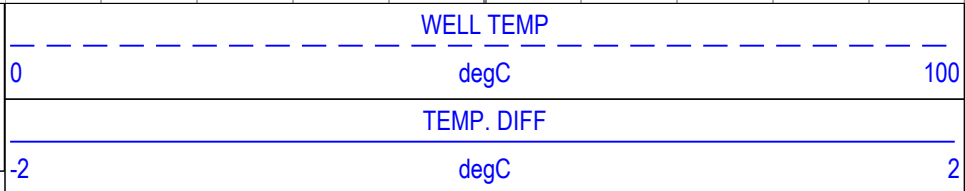
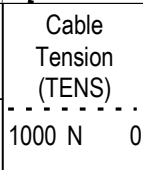
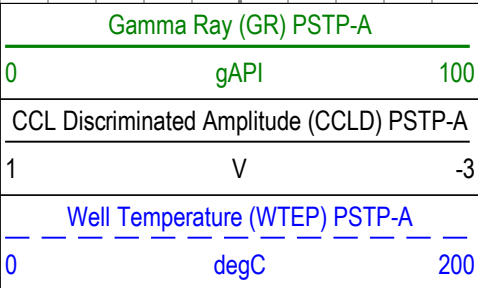
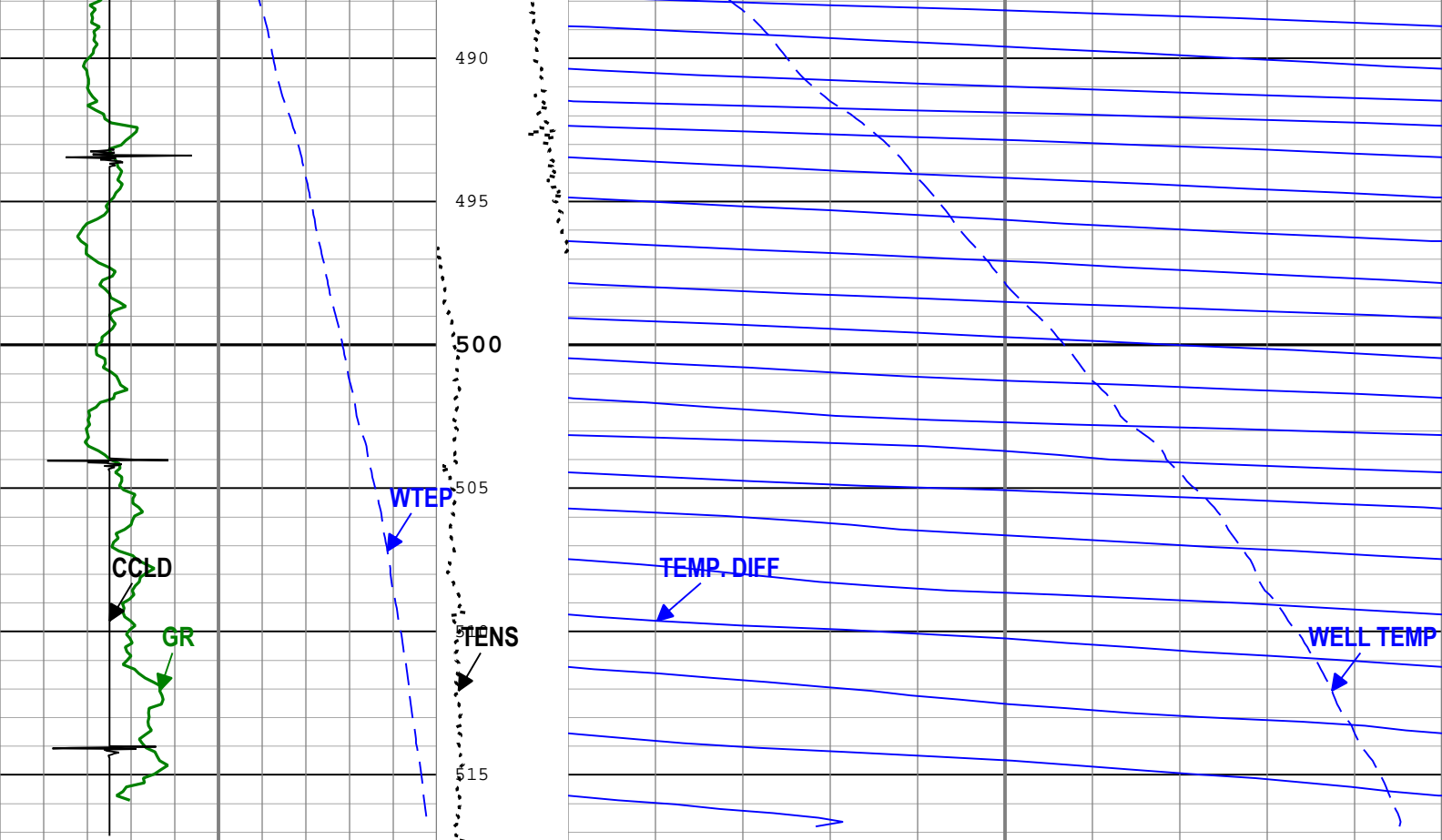












TIME_1900 - Time Marked every 60.00 (s)

Description: PSP Depth Format: Log (TEMP DOWN PASS imperial) Index Scale: 1:240 Index Unit: m Index Type: Measured Depth Creation Date: 13-Apr-2017 13:06:20

Channel Processing Parameters

1: Parameters

Parameter	Description	Tool	Value	Unit
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	GTEM_LINEST(RT)	

Tool Control Parameters

1: Parameters

Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	5486.4	m/h
PCCG	PSP Downhole CCL Gain	PSTP-A	12 dB	

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Field:	LEMING	
Province:	ALBERTA	
Country:	CANADA	

TEMPERATURE LOG