

Company: Esso Australia Pty Ltd.

Well: A-7
Field: Tuna
Rig: Mast

Country: Australia

Gamma Ray-Pressure Temperature Survey Dummy Plug Pass

LOCATION	
Gippsland Basin Bass Strait	Elev.: K.B. 26.6 m G.L. 91.4 m D.F. 26.6 m
Permanent Datum: _____	M.S.L. _____
Log Measured From: _____	K.B. _____
Drilling Measured From: _____	K.B. _____
State: Victoria	Max. Well Deviation 56 deg
	Longitude 148° 25' 05.29"E
	Latitude 38° 10' 16.00"S

Rig: Mast
 Field: Tuna
 Location: Gippsland
 Well: A-7
 Company: Esso Australia Pty Ltd.

Logging Date	17-Feb-2008	
Run Number	1	
Depth Driller	2767.5 m	
Schlumberger Depth	2767.5 m	
Bottom Log Interval	2764 m	
Top Log Interval	2050 m	
Casing Fluid Type	Production Fluids	
Salinity		
Density		
Fluid Level	1350 m	
BIT/CASING/TUBING STRING		
Bit Size	8.500 in	
From	535 m	
To	3273 m	
Casing/Tubing Size	4.500 in	
Weight	12.6 lbn/ft	
Grade	13CR	
From	1750 m	
To	2832 m	
Maximum Recorded Temperatures	217 degF	
Logger On Bottom	17-Feb-2008	11:00
Unit Number	889	Prod 4 / AUSL
Recorded By	S Gilbert	
Witnessed By	G Rimmer	

PVT DATA		Run 1
Oil Density		
Water Salinity		
Gas Gravity		
Bo		
Bw		
1/Bg		
Bubble Point Pressure		
Bubble Point Temperature		
Solution GOR		
Maximum Deviation	56 deg	
CEMENTING DATA		
Primary/Squeeze		Primary
Casing String No		
Lead Cement Type		
Volume		
Density		
Water Loss		
Additives		
Tail Cement Type		
Volume		
Density		
Water Loss		
Additives		
Expected Cement Top		
Logging Date		
Run Number		
Depth Driller		
Schlumberger Depth		
Bottom Log Interval		
Top Log Interval		
Casing Fluid Type		
Salinity		
Density		
Fluid Level		
BIT/CASING/TUBING STRING		
Bit Size		
From		
To		
Casing/Tubing Size		
Weight		
Grade		
From		
To		
Maximum Recorded Temperatures		
Logger On Bottom		
Unit Number		
Recorded By		
Witnessed By		

DEPTH SUMMARY LISTING

Date Created: 15-FEB-2008 12:48:09

Depth System Equipment

Depth Measuring Device	Tension Device	Logging Cable
Type: IDW-EB	Type: PSDS/OSDS	Type: 2-32ZT
Serial Number: 6373	Serial Number: 325357	Serial Number: 27244
Calibration Date: 04-Jan-2007	Calibration Date: 15-Feb-2008	Length: 6409.94 M
Calibrator Serial Number: 9	Calibrator Serial Number: 1174	Conveyance Method: Wireline
Calibration Cable Type: 2-32ZT	Calibration Gain: 0.90	Rig Type: Offshore_Fixed
Wheel Correction 1: -2	Calibration Offset: 339.00	
Wheel Correction 2: -4		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	ExxonMobil Petrophysical Analysis
Reference Log Run Number:	
Reference Log Date:	
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. IDW used as primary depth control
2. Z-Chart used as back-up
3.
4.
5. Rigged up utilising the MAST
6.

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 OF 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.

OTHER SERVICES1
OS1: None
OS2:
OS3:
OS4:
OS5:

REMARKS: RUN NUMBER 1
Log correlated to ExxonMobil Solar Composite Log supplied with logging program.
Objectives:Conduct Static and Flowing Pressure / Temperature Log to diagnose a possible Leaking Plug 2768m MDKB
Maximum Deviation = 56 deg @ 1950m MDKB
No Well flow could be achieved due to a damaged Choke Valve on the Flow line .
HUD Tagged @ 2751m MDKB

SBHT: 216.7 deg f

SBHP: 2561 psia

1.68 Dummy Plug Ran to ensure access for Posiset Plug.

Schlumberger crews: J Light , C Shiells

RUN 1			RUN 2		
SERVICE ORDER #:	AUSL07336278				
PROGRAM VERSION:	15C0-309				
FLUID LEVEL:	1350 m				
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

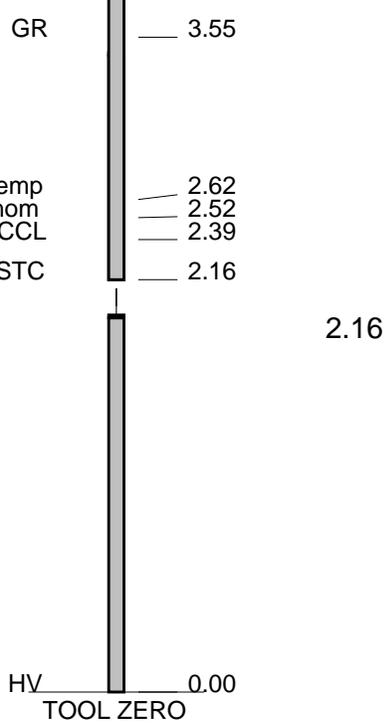
RUN 1 RUN 2

SURFACE EQUIPMENT
 WITM-A 827
 PSC_16MHZ 827

DOWNHOLE EQUIPMENT

SWBS-B 785		8.91
SWBS-B 786		8.22
SWBS-B 787		7.54
SWHS-A 759		6.85
EQF-43		6.51
PSPT-B 827 PSC-A 827 PSPT-B 827 PSTC 827 PBMS-B 827 CQG_F_Mano 827 RTD Thermometer 827	Detail MT TelStatus CTEM 	4.68

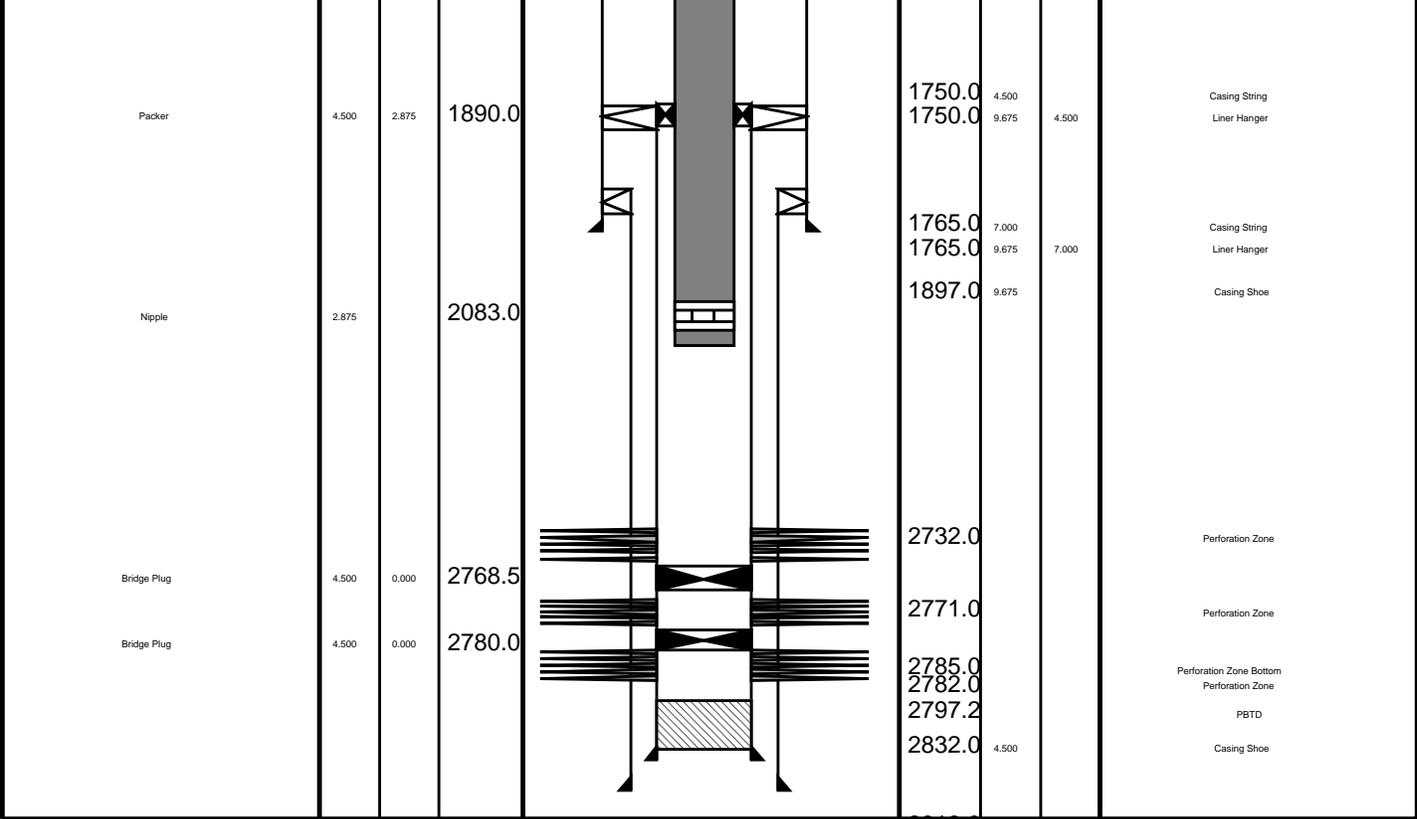
GR 827
CCL 827
PBMS 827



AH-1.68" Dummy Plug
AH-1.68" Dummy Plug

MAXIMUM STRING DIAMETER 1.69 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Production String	(m)		Well Schematic	(m)			Casing String
	OD	ID		MD	OD	ID	
Tubing Tubing Hanger	2.875 9.875	2.875	13.5 13.4	14.5 14.5 14.5	13.375 9.675 13.375	9.675	Casing String Casing String Liner Hanger
SSSV	2.875		447.0				
Gas Lift Mandrel	2.875		1060.0	735.0	13.375		Casing Shoe
Gas Lift Mandrel	2.875		1615.0				
Nipple	2.875		1630.0				



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
Log Pass (up)	17-Feb-2008 14:11 000:11	2761.2 - 2655.7	PSP_019LUP
Station Log	17-Feb-2008 14:40 000:50	2747.5 - 7.6	PSP_023LTP
Log Pass (up)	17-Feb-2008 15:31 000:36	2747.5 - 2036.2	PSP_024LUP

Company: Esso Australia Pty Ltd.

Well: A-7

Input DLIS Files

DEFAULT PSP_024LUP FN:23 PRODUCER 17-Feb-2008 15:31 2747.5 M 2036.2 M

Output DLIS Files

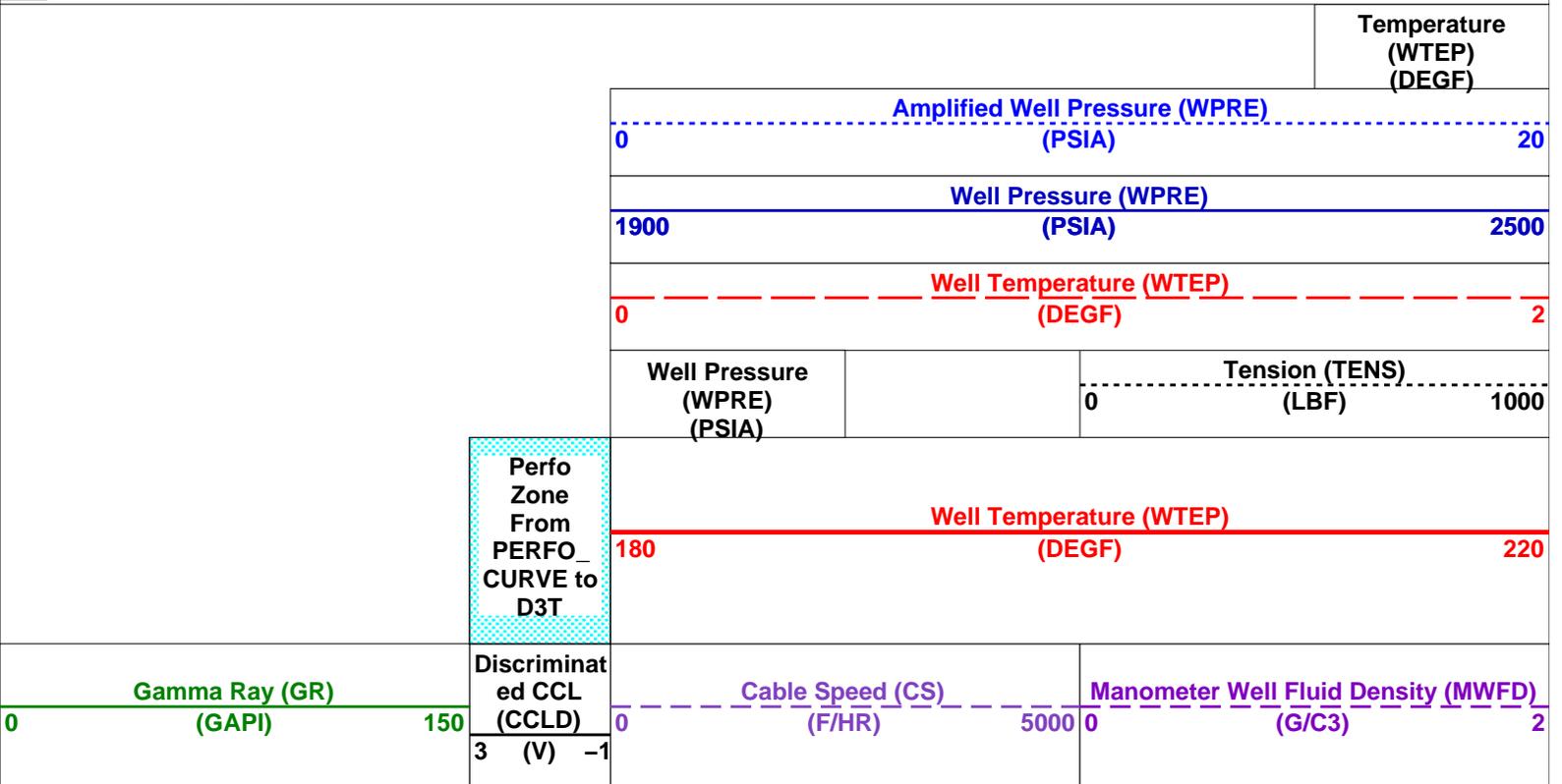
DEFAULT PSP_025PUP FN:24 PRODUCER 17-Feb-2008 16:12 2747.6 M 2032.1 M

OP System Version: 15C0-309
MCM

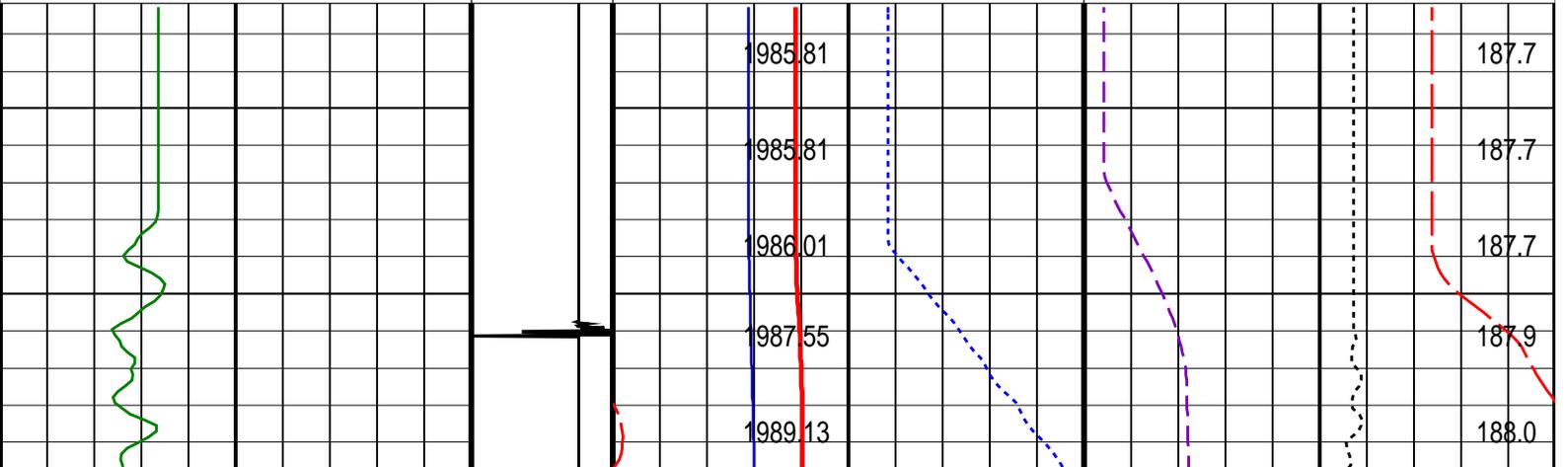
PSPT-B SRPC-3546-Q1_2008_OP15

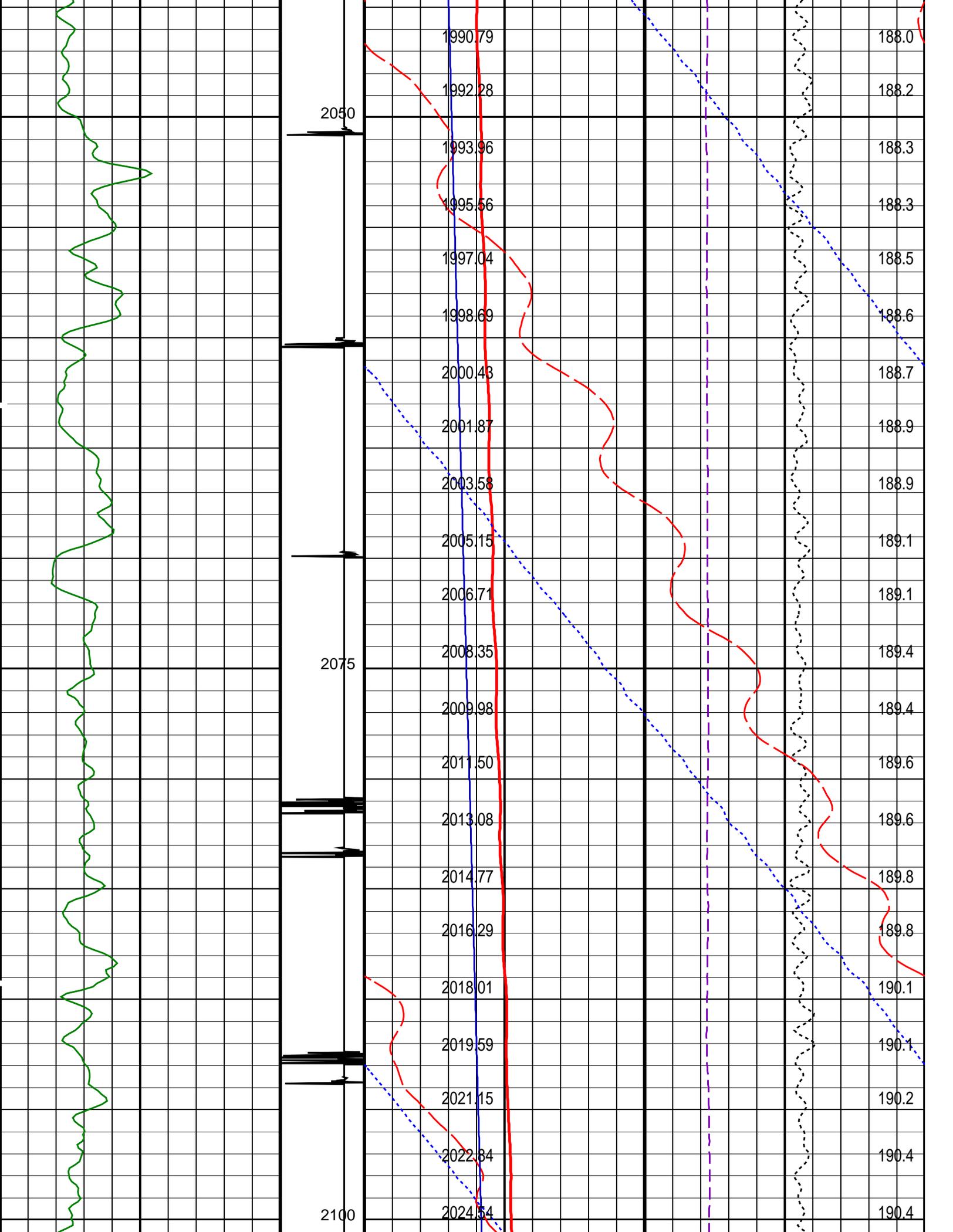
PIP SUMMARY

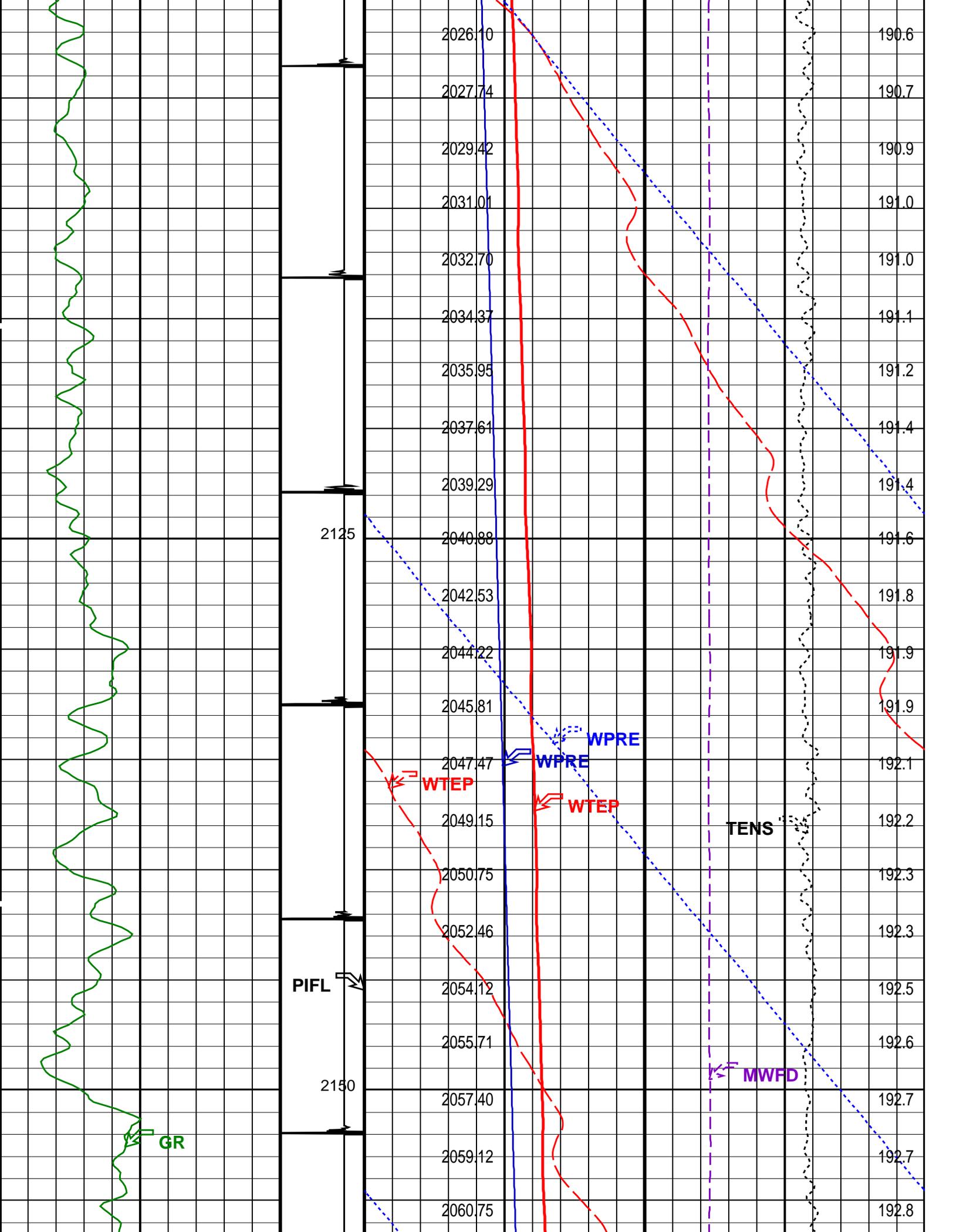
Time Mark Every 60 S

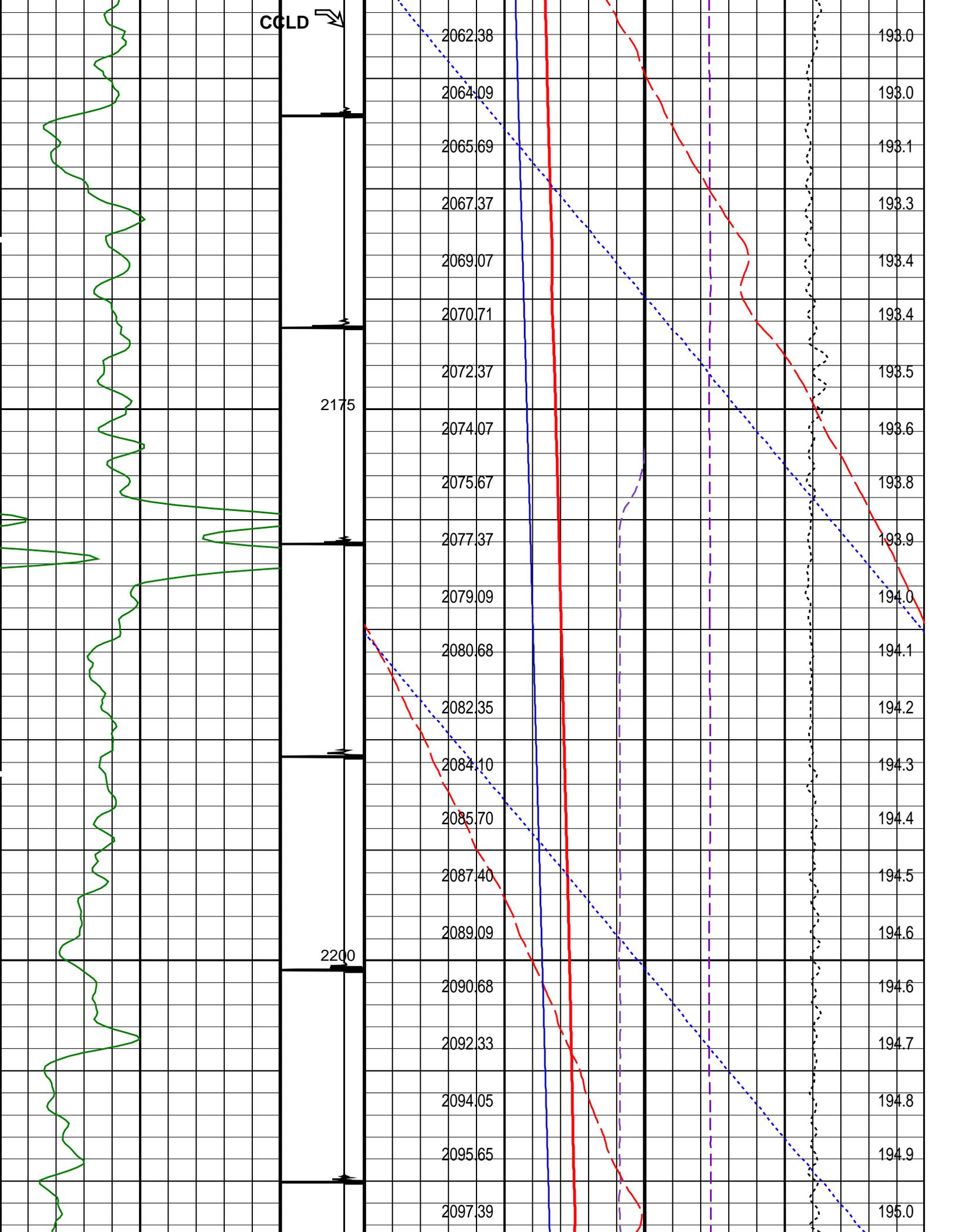


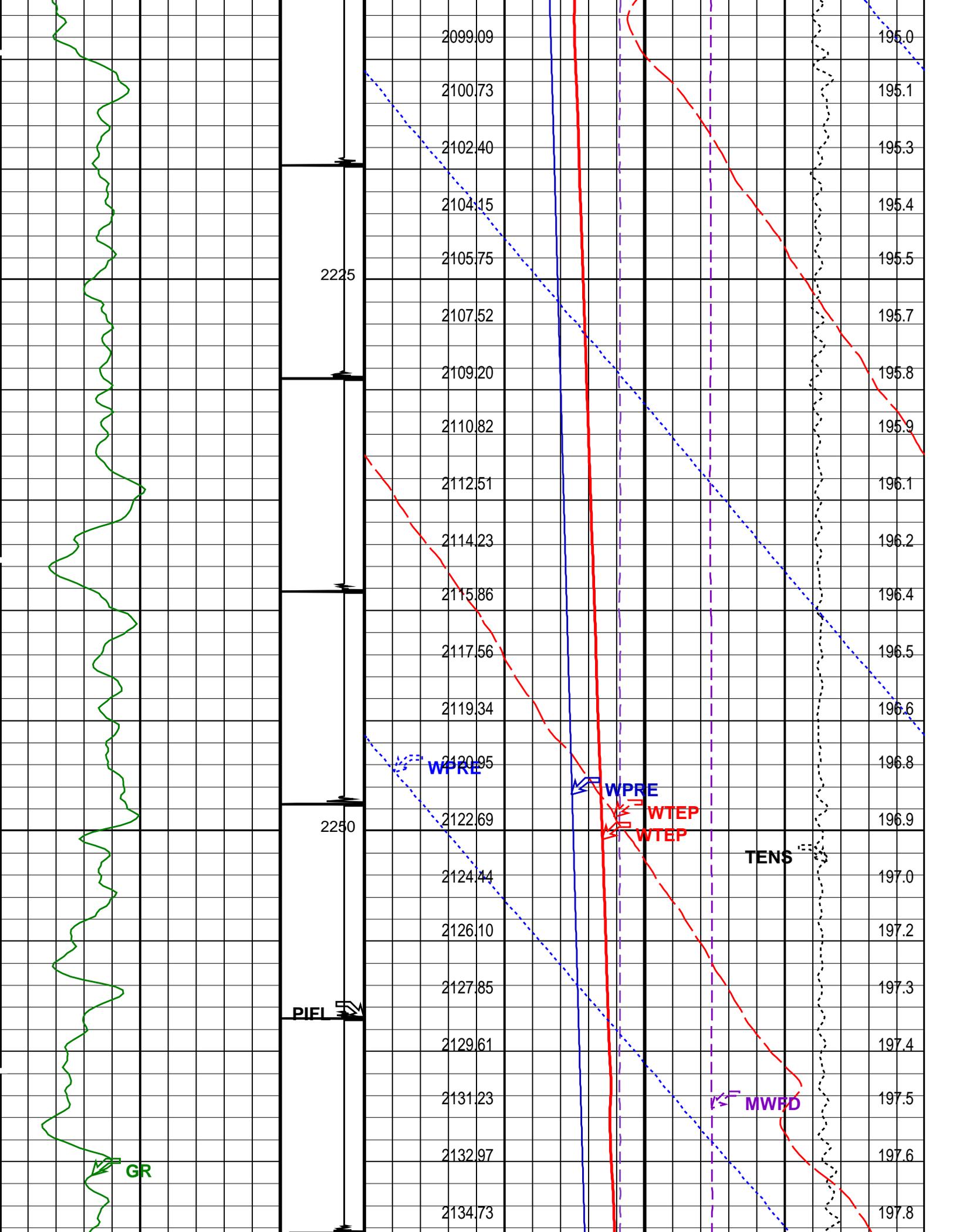
Perfo Zone From PERFO_CURVE to D3T

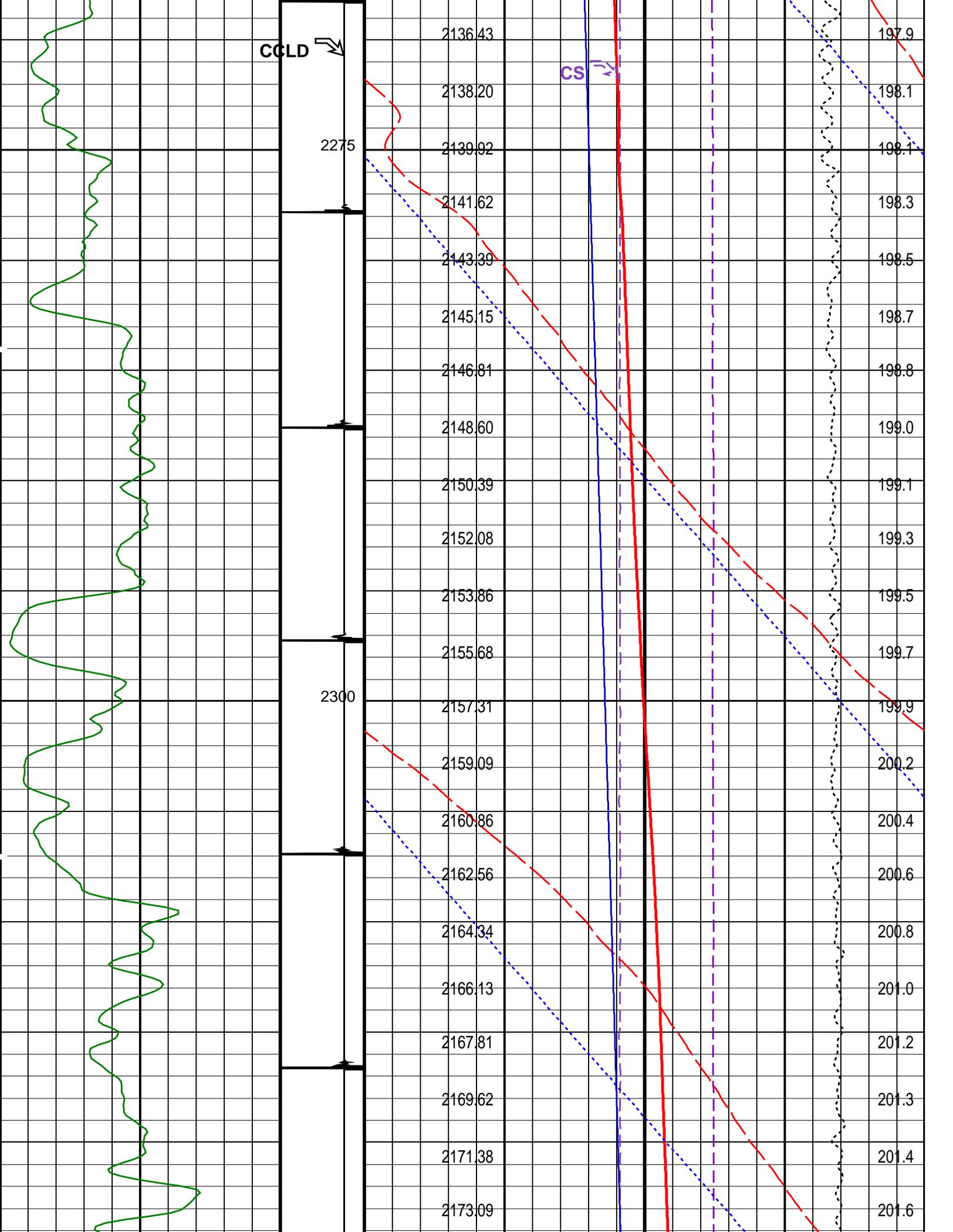


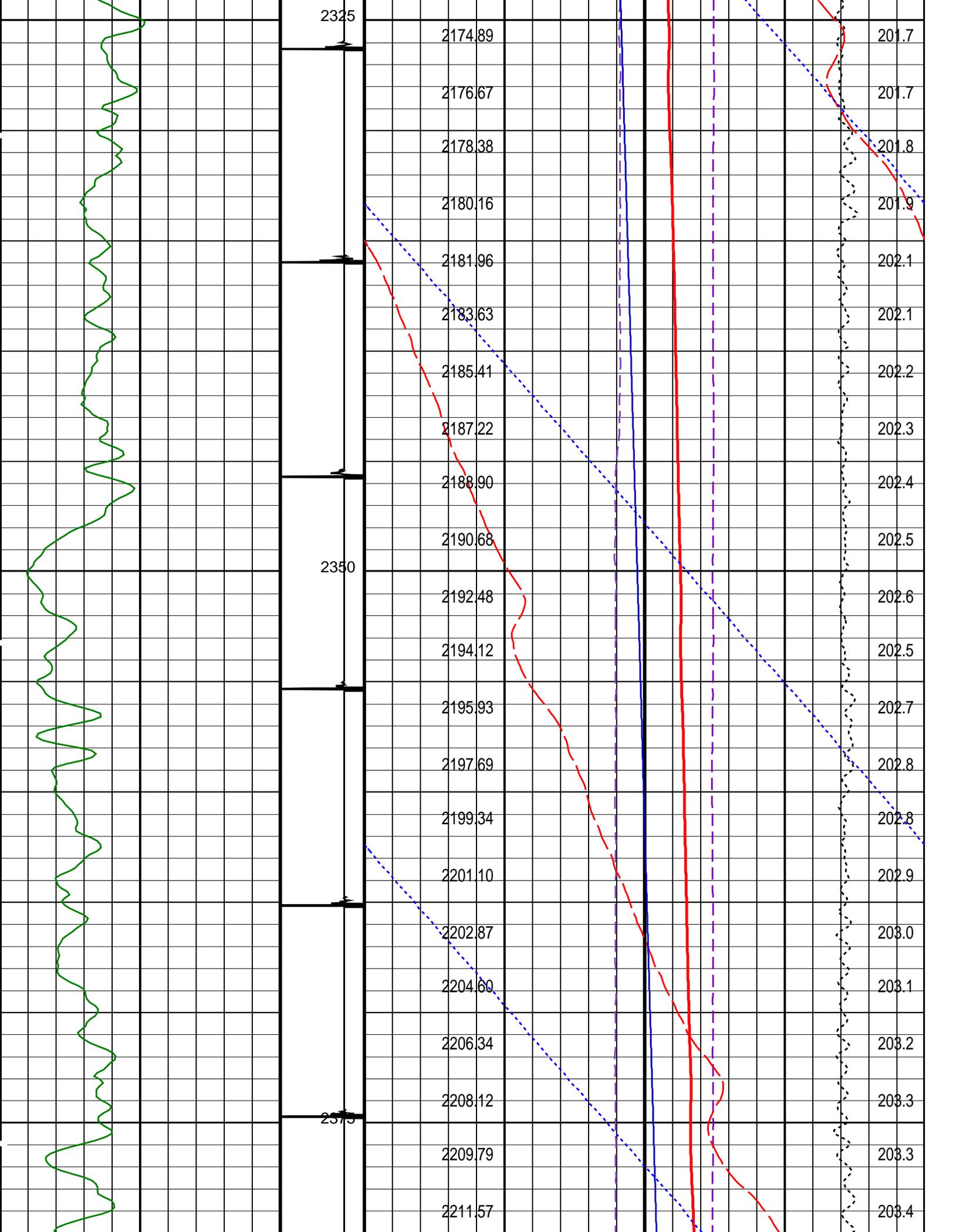


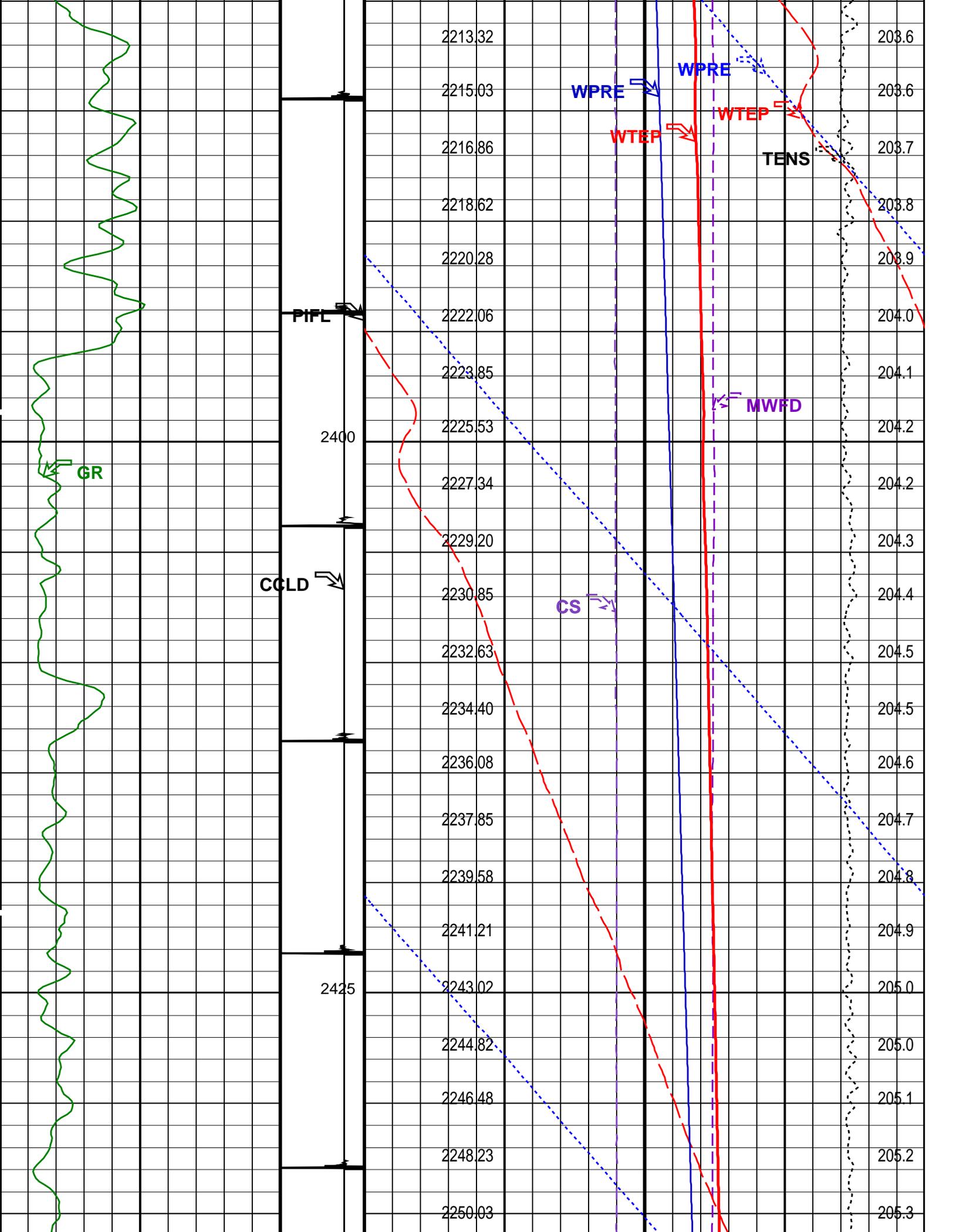


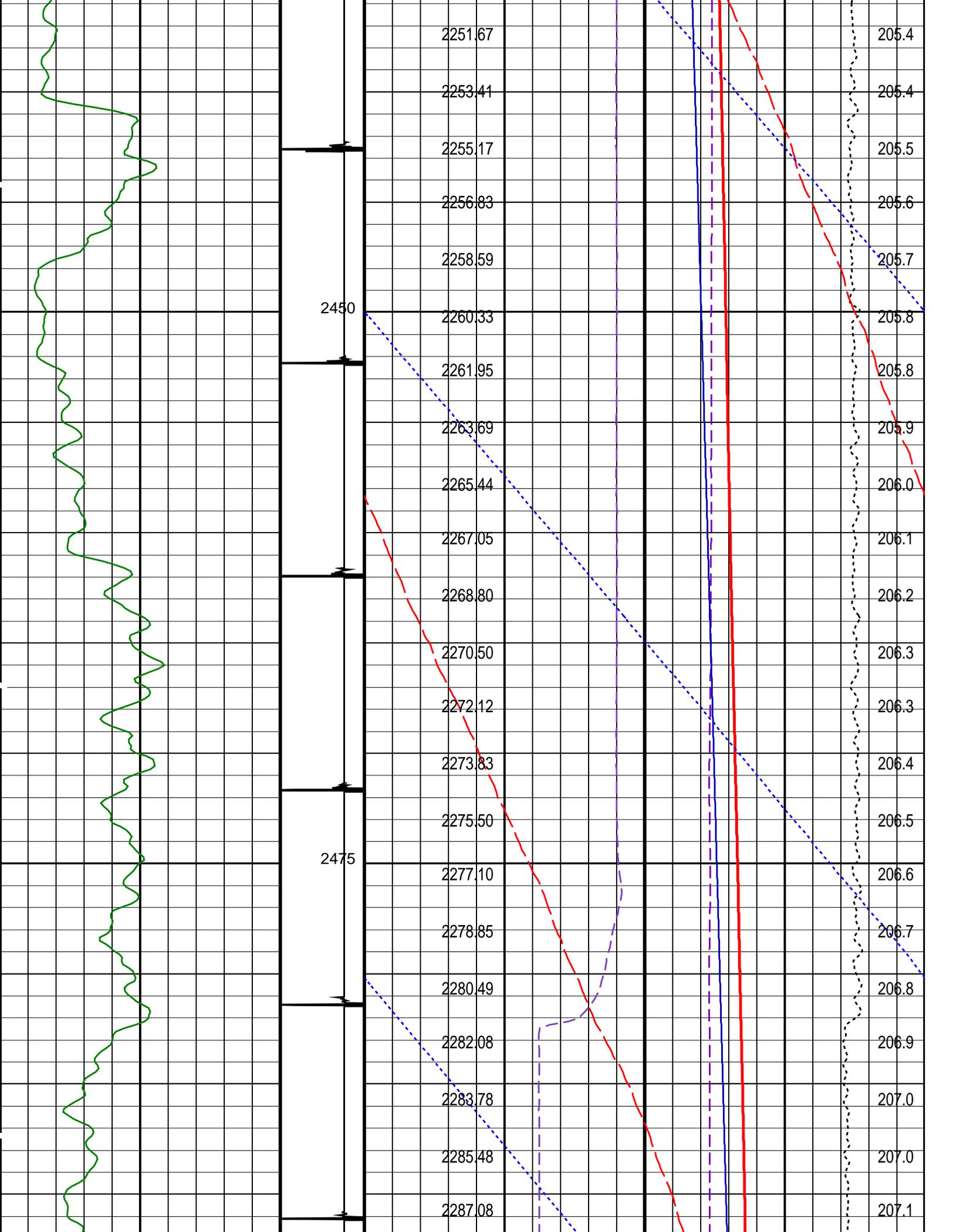


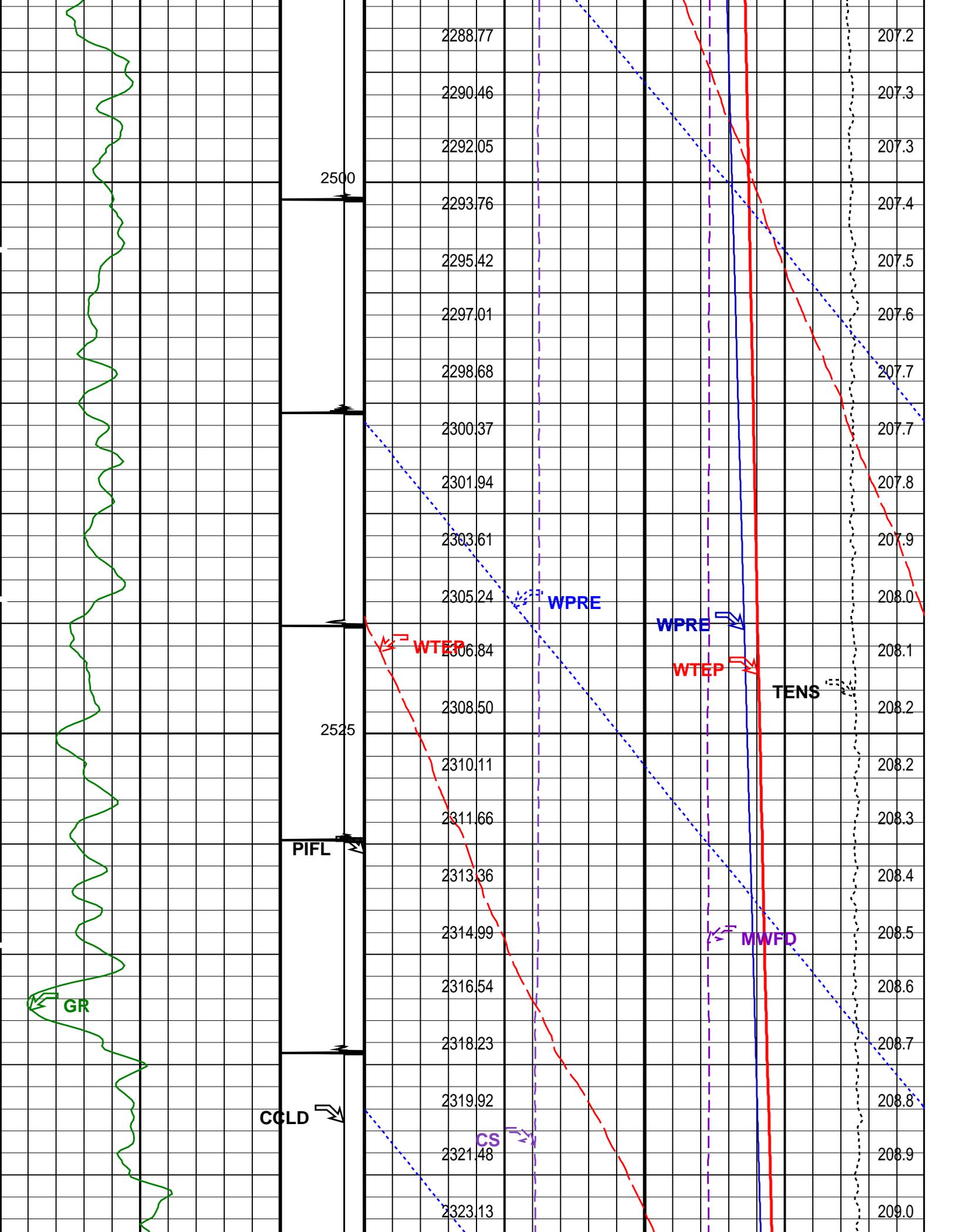


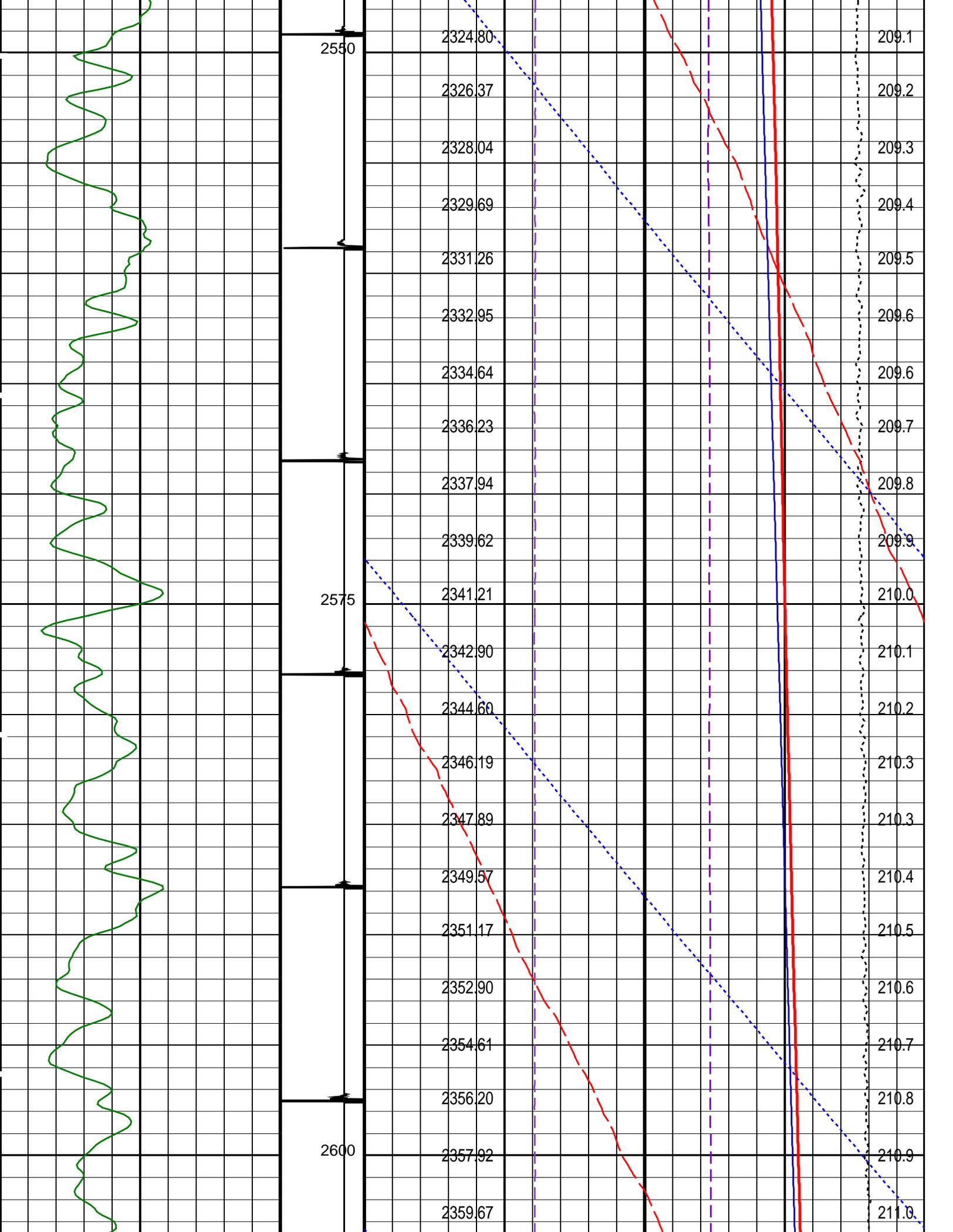


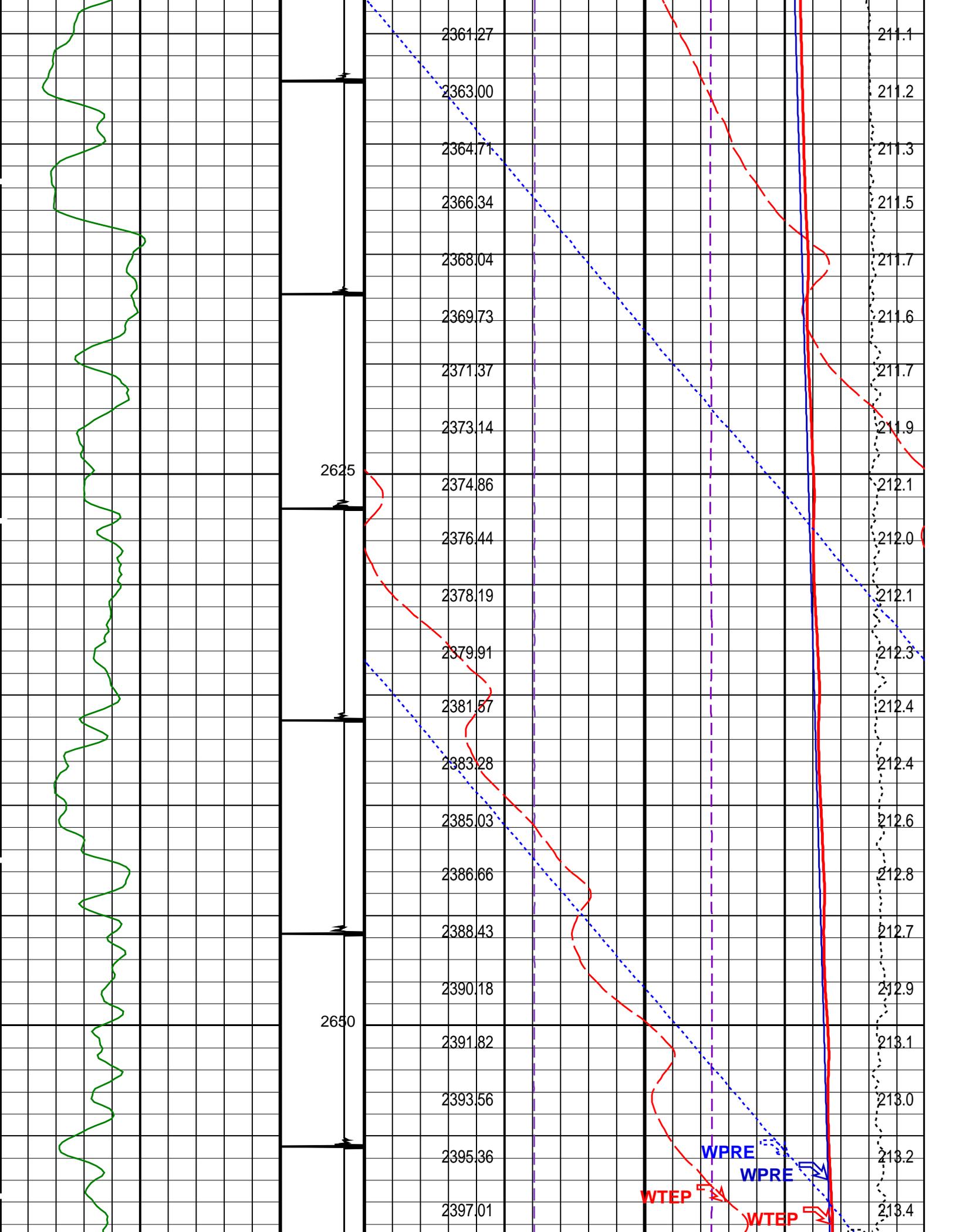


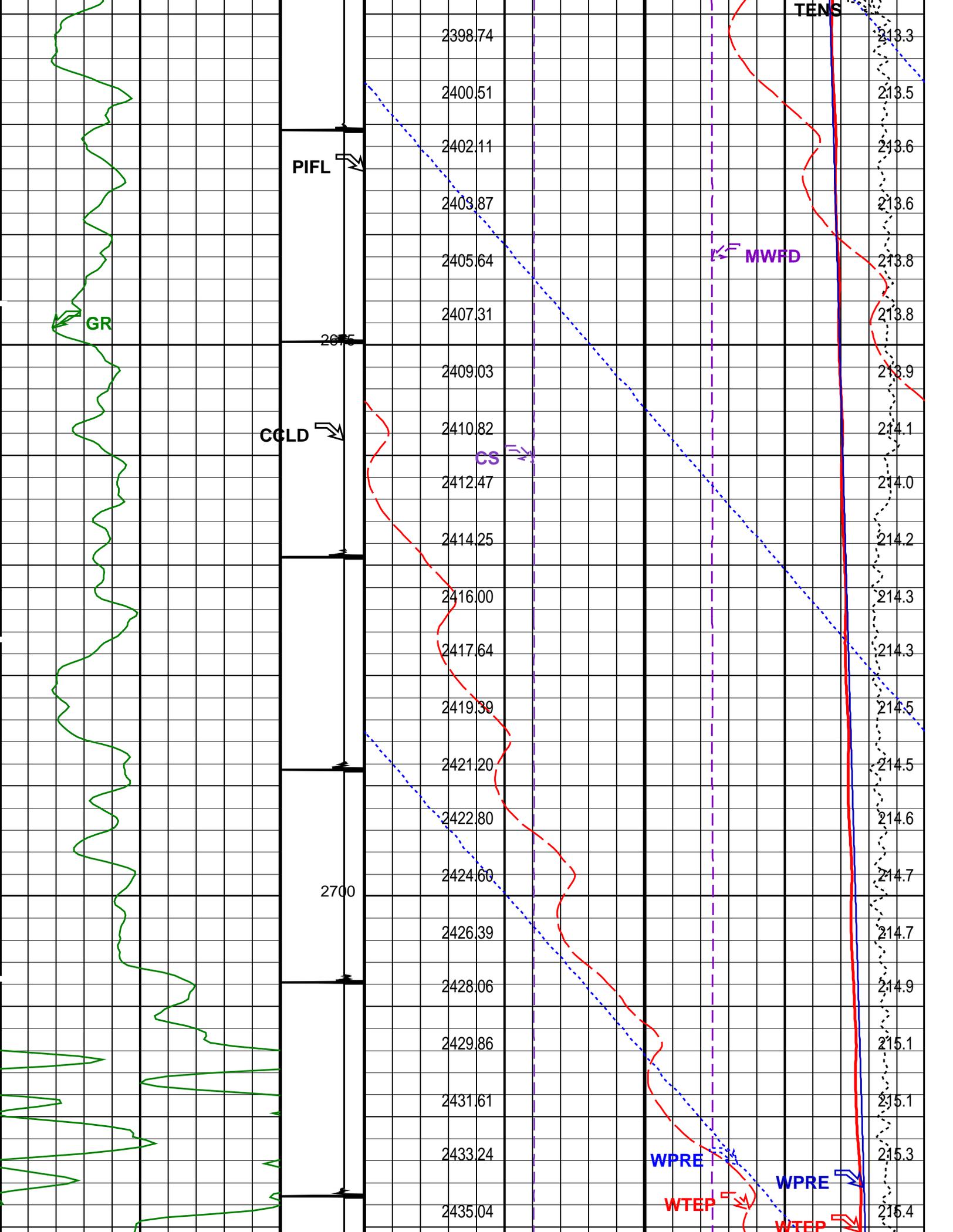


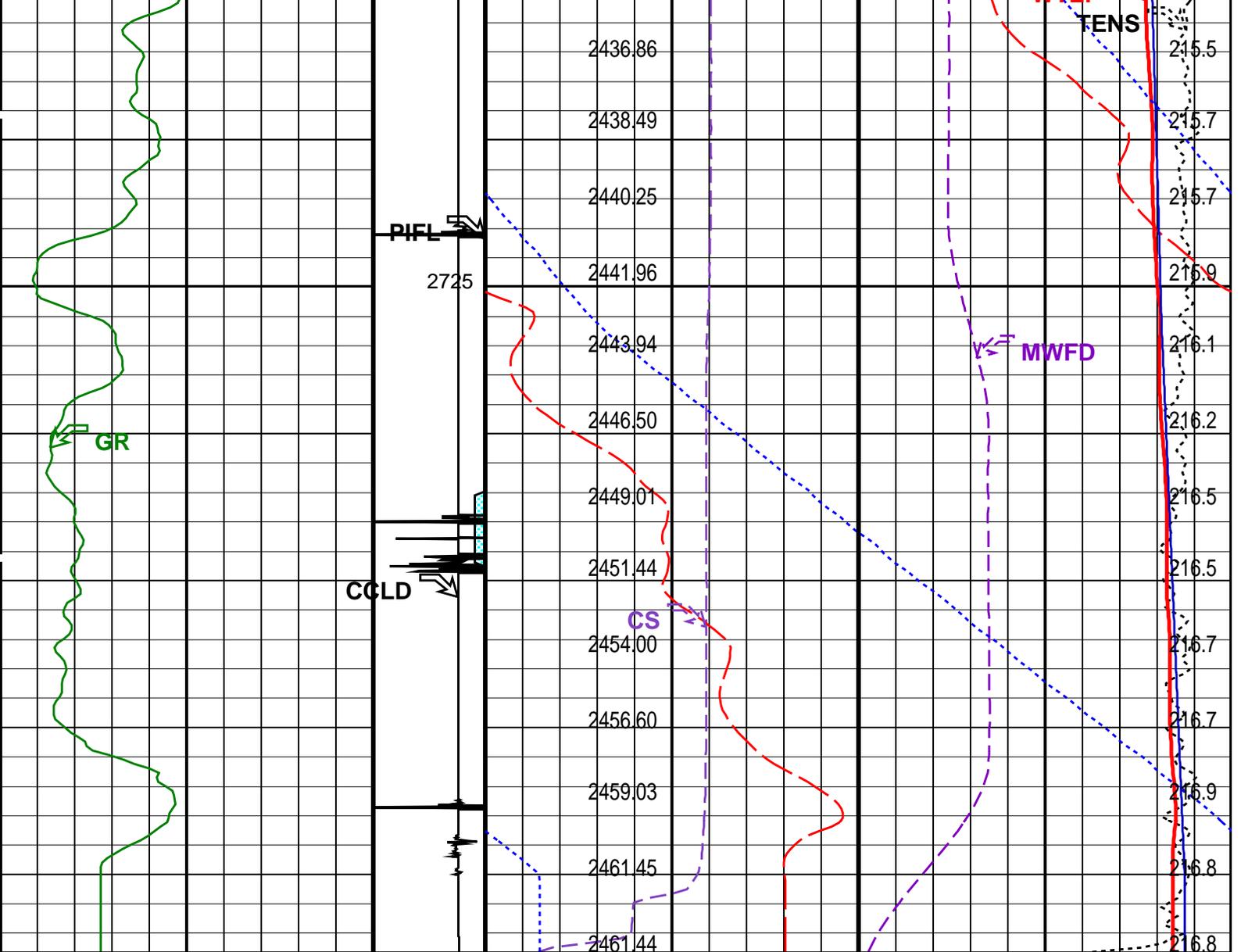












Discriminat ed CCL (CCLD) 3 (V) -1
 Gamma Ray (GR) (GAPI) 0 150
 Cable Speed (CS) (F/HR) 0 5000
 Manometer Well Fluid Density (MWFD) (G/C3) 0 2

Perfo Zone From PERFO_CURVE to D3T

Well Temperature (WTEP) (DEGF) 180 220

Well Pressure (WPRE) (PSIA) 1900 2500

Well Temperature (WTEP) (DEGF) 0 2

Well Pressure (WPRE) (PSIA) 1900 2500

Amplified Well Pressure (WPRE) (PSIA) 0 20

Temperature (WTEP) (DEGF)

PIP SUMMARY

OP System Version: 15C0-309

MCM

PSPT-B

SRPC-3546-Q1_2008_OP15

Parameters

DLIS Name	Description	Value
GDEV	PSPT-B: Production Services Logging Platform Average Angular Deviation of Borehole from Normal System and Miscellaneous	0 DEG
DO PP	Depth Offset for Playback Playback Processing	0.1 M NORMAL

Input DLIS Files

DEFAULT	PSP_024LUP	FN:23	PRODUCER	17-Feb-2008 15:31	2747.5 M	2036.2 M
---------	------------	-------	----------	-------------------	----------	----------

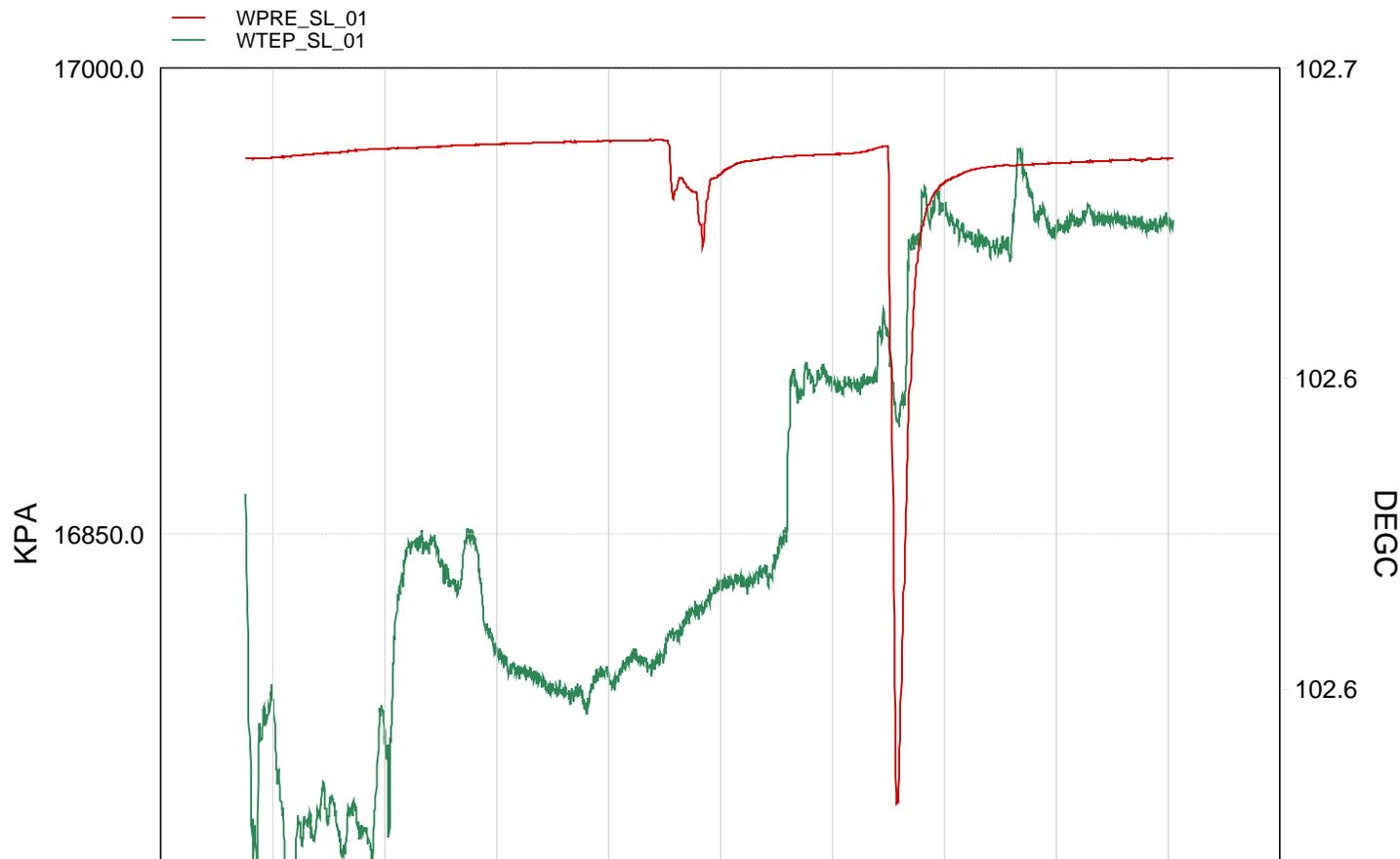
Output DLIS Files

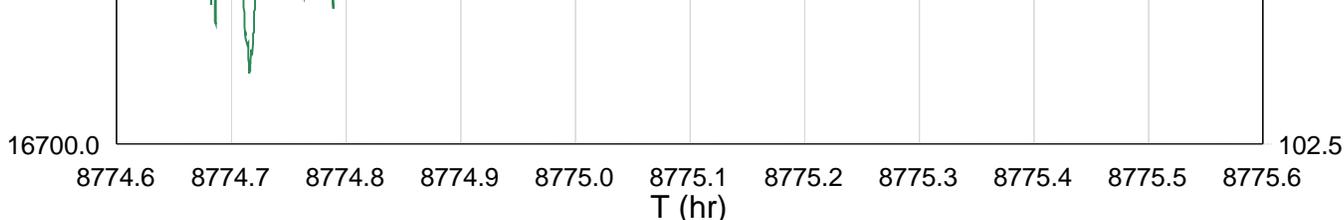
DEFAULT	PSP_025PUP	FN:24	PRODUCER	17-Feb-2008 16:12
---------	------------	-------	----------	-------------------



Attempt to Flow the Well
(Sensor Depth @ 2745m MDKB)

MAXIS Field Log





TIME	DEGF	PSIA
11280.0000	216.6954	2461.4314
11400.0000	216.5864	2461.4710
11520.0000	216.5672	2461.6255
11640.0000	216.5748	2461.7735
11760.0000	216.6015	2461.8796
11880.0000	216.6757	2461.9400
12000.0000	216.6773	2462.0341
12120.0000	216.6315	2462.0916
12240.0000	216.6236	2462.1594
12360.0000	216.6217	2462.1899
12480.0000	216.6212	2462.2369
12600.0000	216.6300	2462.2658
12720.0000	216.6460	2459.9763
12840.0000	216.6593	2460.9163
12960.0000	216.6656	2461.3922
13080.0000	216.7332	2461.5509
13200.0000	216.7361	2461.6221
13320.0000	216.7416	2461.8856
13440.0000	216.7949	2453.9185
13560.0000	216.8026	2460.4522
13680.0000	216.7934	2461.0093
13800.0000	216.8196	2461.1164
13920.0000	216.7981	2461.2101
14040.0000	216.8040	2461.2862
14160.0000	216.8006	2461.3500
14280.0000	216.7994	2461.4103

Flowing the well was abandoned due to a damaged choke valve on the flow line.



Static Dummy Plug / Pressure Temperature Log (HUD to 2670m)

MAXIS Field Log

Input DLIS Files

Output DLIS Files

OP System Version: 15C0-309
MCM

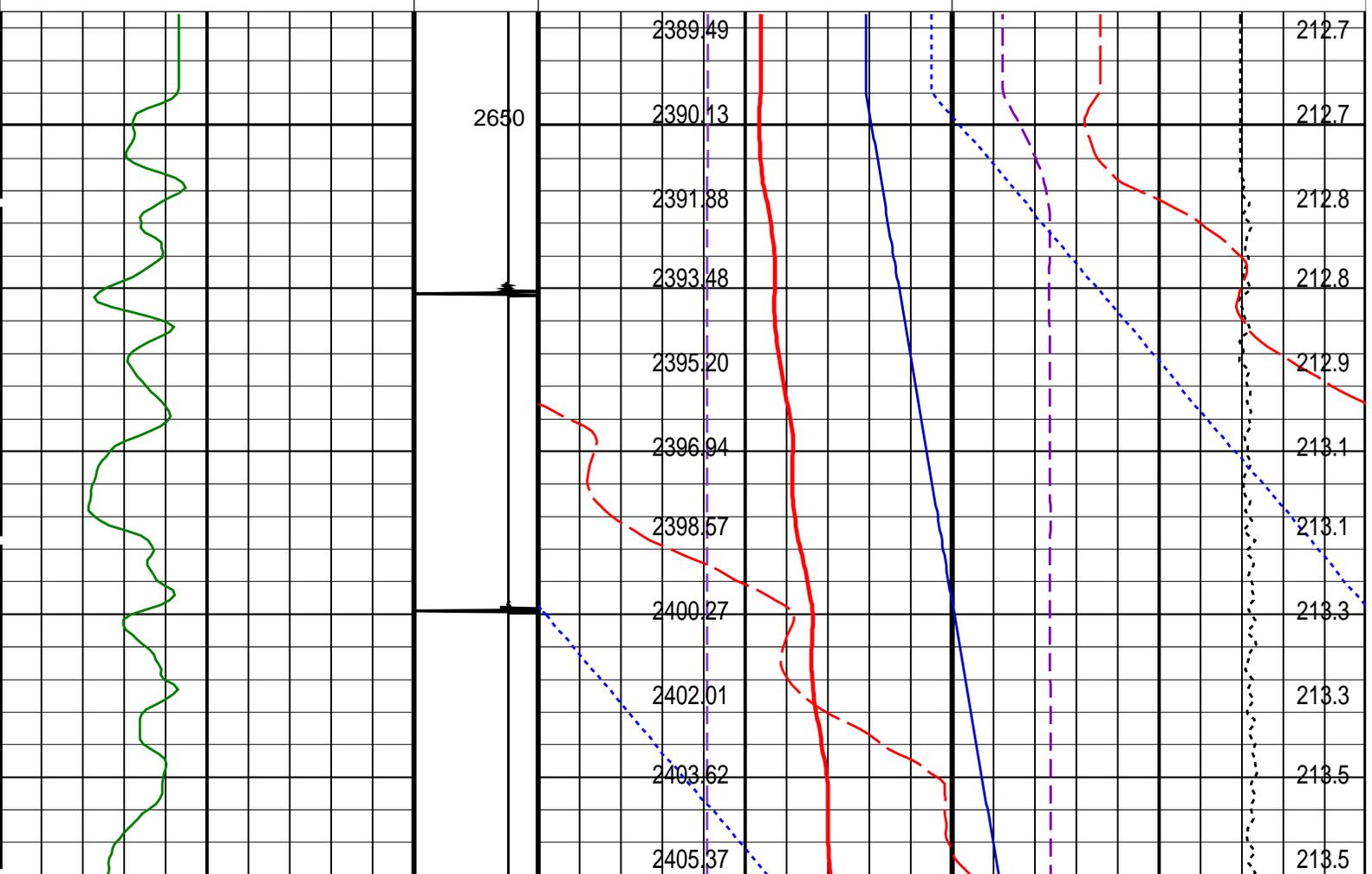
PSPT-B SRPC-3546-Q1_2008_OP15

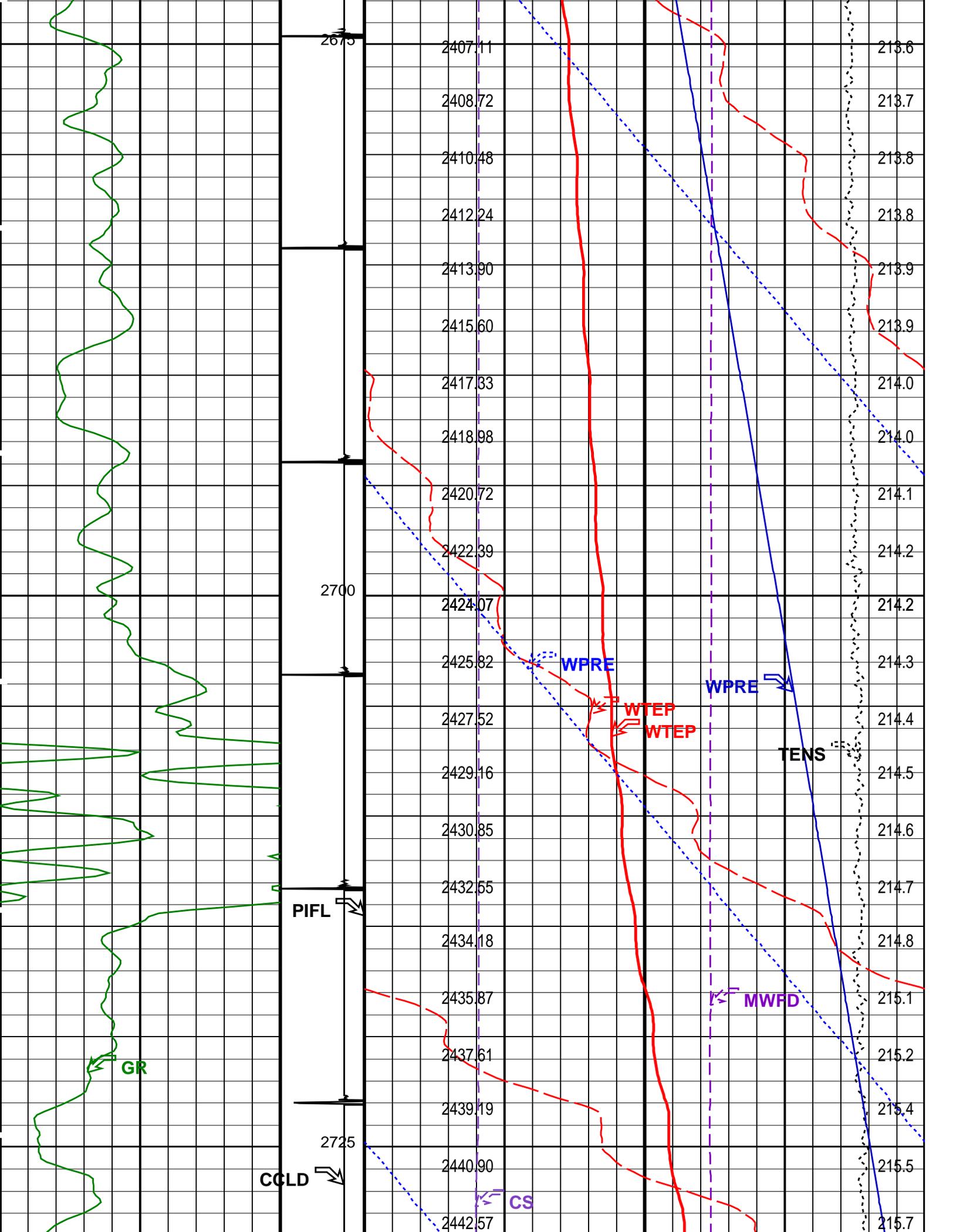
PIP SUMMARY

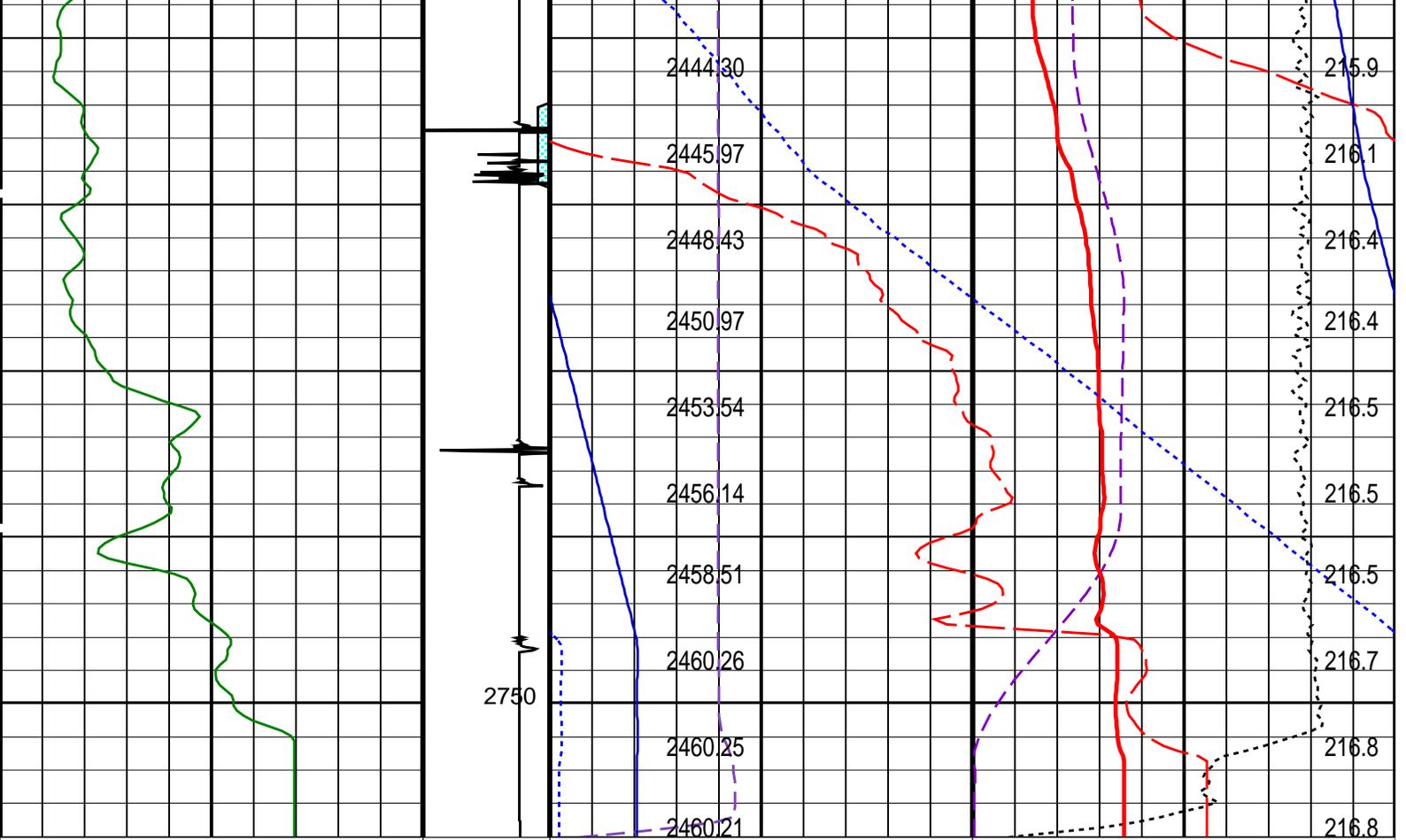
Time Mark Every 60 S

		Temperature (WTEP) (DEGF)	
		Amplified Well Pressure (WPRE) (PSIA)	
		0	20
		Well Pressure (WPRE) (PSIA)	
		2350	2450
		Well Temperature (WTEP) (DEGF)	
		0	1
Well Pressure (WPRE) (PSIA)		Tension (TENS) (LBF)	
		0	1000
		Well Temperature (WTEP) (DEGF)	
		210	220
		Cable Speed (CS) (F/HR)	
		0	5000
		Manometer Well Fluid Density (MWFD) (G/C3)	
		0	2
		Gamma Ray (GR) (GAPI)	
		0	150
		Discriminated CCL (CCLD) (V)	
		3	-1

Perfo Zone From PERFO_CURVE to D3T







Gamma Ray (GR) (GAPI)	0	150
Discriminated CCL (CCLD) (V)	3	-1
Cable Speed (CS) (F/HR)	0	5000
Manometer Well Fluid Density (MWFD) (G/C3)	0	2

Perfo Zone From PERFO_CURVE to D3T

Well Temperature (WTEP) (DEGF)	210	220
--------------------------------	-----	-----

Well Pressure (WPRE) (PSIA)	0	1000
-----------------------------	---	------

Well Temperature (WTEP) (DEGF)	0	1
--------------------------------	---	---

Well Pressure (WPRE) (PSIA)	2350	2450
-----------------------------	------	------

Amplified Well Pressure (WPRE) (PSIA)	0	20
---------------------------------------	---	----

Temperature (WTEP) (DEGF)	
---------------------------	--

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 17-Feb-2008 14:27

OP System Version: 15C0-309
MCM

PSPT-B SRPC-3546-Q1_2008_OP15

Parameters

PLS Name	Description	Value
----------	-------------	-------

DLIS Name	Description	Value
GDEV	PSPT-B: Production Services Logging Platform Average Angular Deviation of Borehole from Normal System and Miscellaneous	0 DEG
DO	Depth Offset for Playback	-7.2 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	PSP_019LUP	FN:18	PRODUCER	17-Feb-2008 14:11	2761.2 M	2655.7 M
---------	------------	-------	----------	-------------------	----------	----------

Output DLIS Files

DEFAULT	PSP_022PUP	FN:21	PRODUCER	17-Feb-2008 14:27
---------	------------	-------	----------	-------------------

Company: **Esso Australia Pty Ltd.**

Schlumberger

Well: **A-7**

Field: **Tuna**

Rig: **Mast**

Country: **Australia**

Gamma Ray-Pressure
Temperature Survey
Dummy Plug Pass