

Company: Ezzo Australia Pty Ltd.

Well: A-11a
Field: Snapper
Rig: Snapper / Prod 4 Country: Australia

Max-Trac RST-C Static & Flowing
SIGMA Survey .
Fullbore Spinner Survey.

Rig: Snapper / Prod 4
Field: Snapper
Location: Gippsland Basin
Well: A-11a
Company: Ezzo Australia Pty Ltd.

LOCATION			
Gippsland Basin Bass Strait		Elev.: K.B. 41.68 m G.L. 0.00 m D.F. 41.68 m	
Permanent Datum:	M.S.L.	Elev.: 0.00 m	
Log Measured From:	DF	41.68 m above Perm. Datum	
Drilling Measured From:	DF		
State: Victoria	Max. Well Deviation 84.5 deg	Longitude 148°0'126.52"E	Latitude 038°1'142.96"S

Logging Date	22-Oct-2009		
Run Number	1		
Depth Driller	5170.2 m		
Schlumberger Depth	5137 m		
Bottom Log Interval	5150 m		
Top Log Interval	4800 m		
Casing Fluid Type	Production Fluids		
Salinity			
Density			
Fluid Level			
BIT/CASING/TUBING STRING			
Bit Size	7.656 in		
From	4347.8 m		
To	5202 m		
Casing/Tubing Size	7.000 in		
Weight	35.2 lbm/ft		
Grade	L-80		
From	4080 m		
To	5202 m		
Maximum Recorded Temperatures	219 degF		
Logger On Bottom	23-Oct-2009	8:49	
Unit Number	889	AUSL	
Recorded By	J Hollingworth , S Gilbert		
Witnessed By	A Smyth , G Rimmer		

	Run 1
Oil Density	
Water Salinity	
Gas Gravity	
Bo	
Bw	
1/Bg	
Bubble Point Pressure	
Bubble Point Temperature	
Solution GOR	
Maximum Deviation	84.5 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: 22-OCT-2009 3:04:54

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:	207505
Calibration Date:	13-Oct-2009	Calibration Date:	21-Oct-2009	Length:	6421 M
Calibrator Serial Number:	30	Calibrator Serial Number:	854	<div>Conveyance Method: Wireline</div> <div>Rig Type: Rigless</div>	
Calibration Cable Type:	2-32ZT	Number of Calibration Points:	9		
Wheel Correction 1:	0	Calibration RMS:	454		
Wheel Correction 2:	-2	Calibration Peak Error:	281		

Depth Control Parameters

Log Sequence:	Subsequent Trip To the Well
Reference Log Name:	Snapper A11a ST1 Petrophysical
Reference Log Run Number:	
Reference Log Date:	22-Oct-2008
Subsequent Trip Down Log Correction:	

Depth Control Remarks

1. IDW used as primary depth control
2. Z Chart used as secondary depth control.
3. Full pressure gear used in rig up , surface Zero check incorrect.
4.
5.
6.

DISCLAIMER

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OTHER SERVICES1
OS1: 2" HSD
REMARKS: RUN NUMBER 1

Log Correlated to Solar Composite Log . Dated 20-Oct-2009
Objective: Conduct Static and Flowing RST-C SIGMA survey and Fullbore Spinner Survey.
1 Static SIGMA pass up , 1 Flowing SIGMA / Spinner Pass up and 1 Flowing Spinner Pass down.
Maximum dell deviation = 84deg - MAX-TRAC Tractor used from 900m to 4340m MDKB
HUD: 5137m MDKB
SBHP: 2664psia SBHT: 219 degf

FBHP: 2634psia FBHT: 219 degf

SLB Crew – D Halstead , R Murry (Days)

J Annear , G Martin (Nights)

RUN 1

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

B297-0006
17C0-154

LOGGED INTERVAL

START

STOP

LOGGED INTERVAL

START

STOP

EQUIPMENT DESCRIPTION

RUN 1

RUN 2

SURFACE EQUIPMENT

PSTD-B
WITM-A
PSC_16MHZ

DOWNHOLE EQUIPMENT

PSTE 22.37

MSH-A 1102
ERS-E 1270
TTSA-B 503
Tension Sub 503
PSTE-S
PSTE-S 80
PSC-ATS
PSTC-A

Head Tens
CCL
Pull Forc
Basic Mea
Pwr Suppl

21.23
19.68
19.43

PSTS-S2 187 19.43

PSTS-S2 187
PSTM-S2 203

PSTM 2 Ba
PSTM 2 Gr

18.47
17.04

PSTS-S1 55 15.24

PSTS-S1 55
PSTM-S1 55

PSTM 1 Ba
PSTM 1 Gr

14.27
12.85

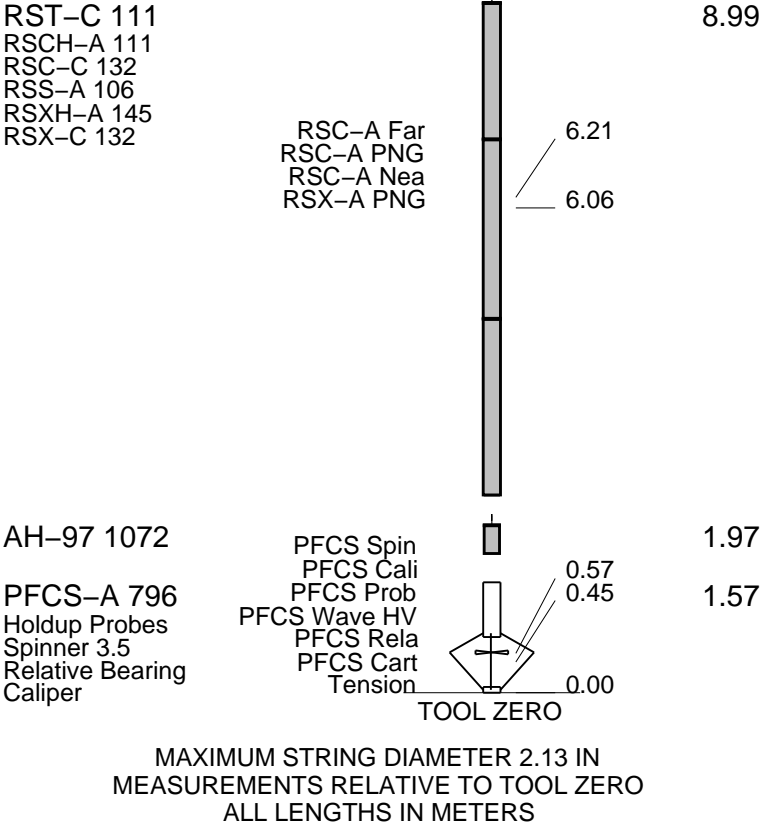
AH-210 1090 11.05

PBMS-T 1750 10.64

PBSH 14
PBMS-B 1750
CQG_F_Mano
RTD_Thermometer

GR
Well_Temp
CQG Manom
CCL
PBMS

10.38
9.45
9.35
9.22
8.99



Client: Esso Australia Pty Ltd.

Drawing Date: 10/22/2009

Well: A-11a

API #:

Field: Snapper

Rig Name: Snapper

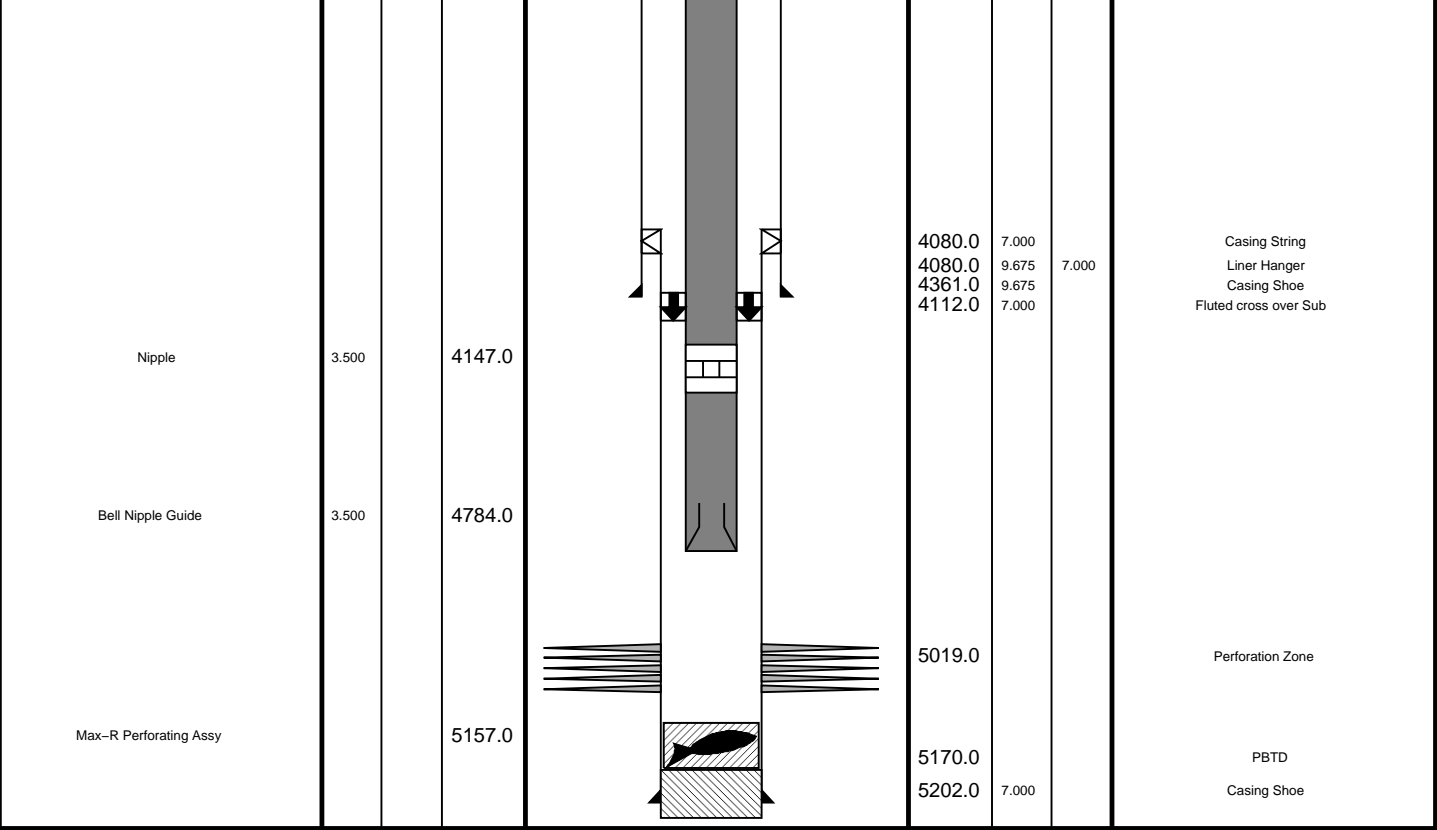
State: Victoria

Reference Datum: Derrick Floor

Country: Australia

Elevation: 41.6 m

Production String	(in) (m)			Well Schematic	(m) (in)			Casing String
	OD	ID	MD		MD	OD	ID	
Tubing Hanger	9.675	3.500	21.7		22.1	20.000		Casing String
Tubing	3.500		21.7		160.0	20.000	13.675	Liner Hanger
Shutin Valve	3.500		453.0					
Gas Lift Mandrel	3.500		605.6					
Nipple	3.500		621.0					
					912.6	13.375		Casing Shoe



Job Events Summary

MAXIS Field Log

Schlumberger Job Event Summary

Time	Elapsed Time	Depth (M)	File
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Log Pass (up)	23-Oct-2009 9:09	001:25	5145.3 - 4715.6	FCS_RST_PSP_PSTS_034LUP
Station Log	23-Oct-2009 10:44	000:11	5030.2	FCS_RST_PSP_PSTS_036LTP
Log Pass (up)	23-Oct-2009 19:15	001:16	5133.4 - 4759.1	FCS_RST_PSP_PSTS_045LUP
Log Pass (down)	23-Oct-2009 20:35	000:36	4759.3 - 5130.9	FCS_RST_PSP_PSTS_046LDP
Station Log	23-Oct-2009 21:26	000:18	5030.2	FCS_RST_PSP_PSTS_051LTP

Input DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_054LUP	FN:58	PRODUCER	23-Oct-2009 22:38	4534.7 M	4305.5 M
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Output DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_056PUP	FN:60	PRODUCER	23-Oct-2009 23:23	4538.5 M	4269.5 M
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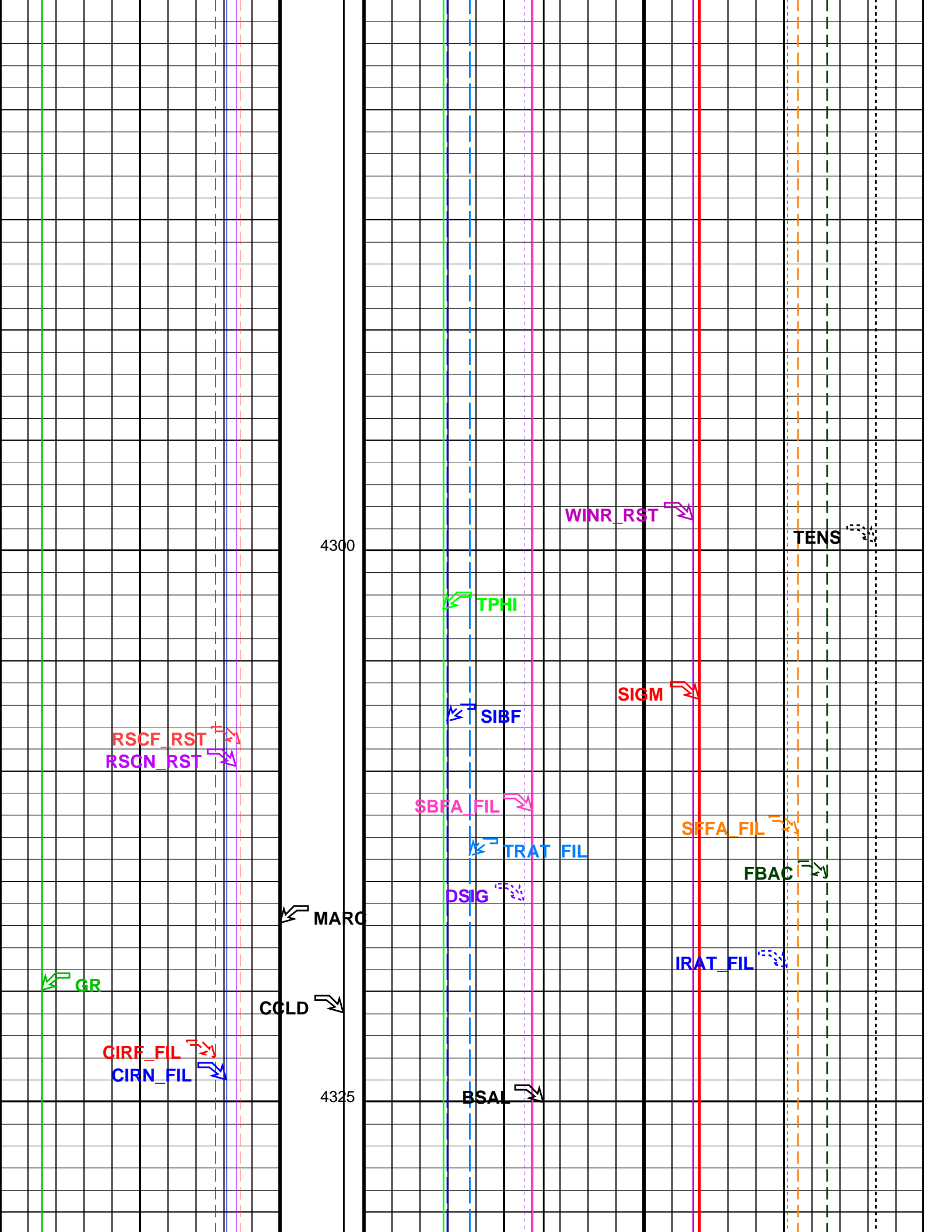
OP System Version: 17C0-154

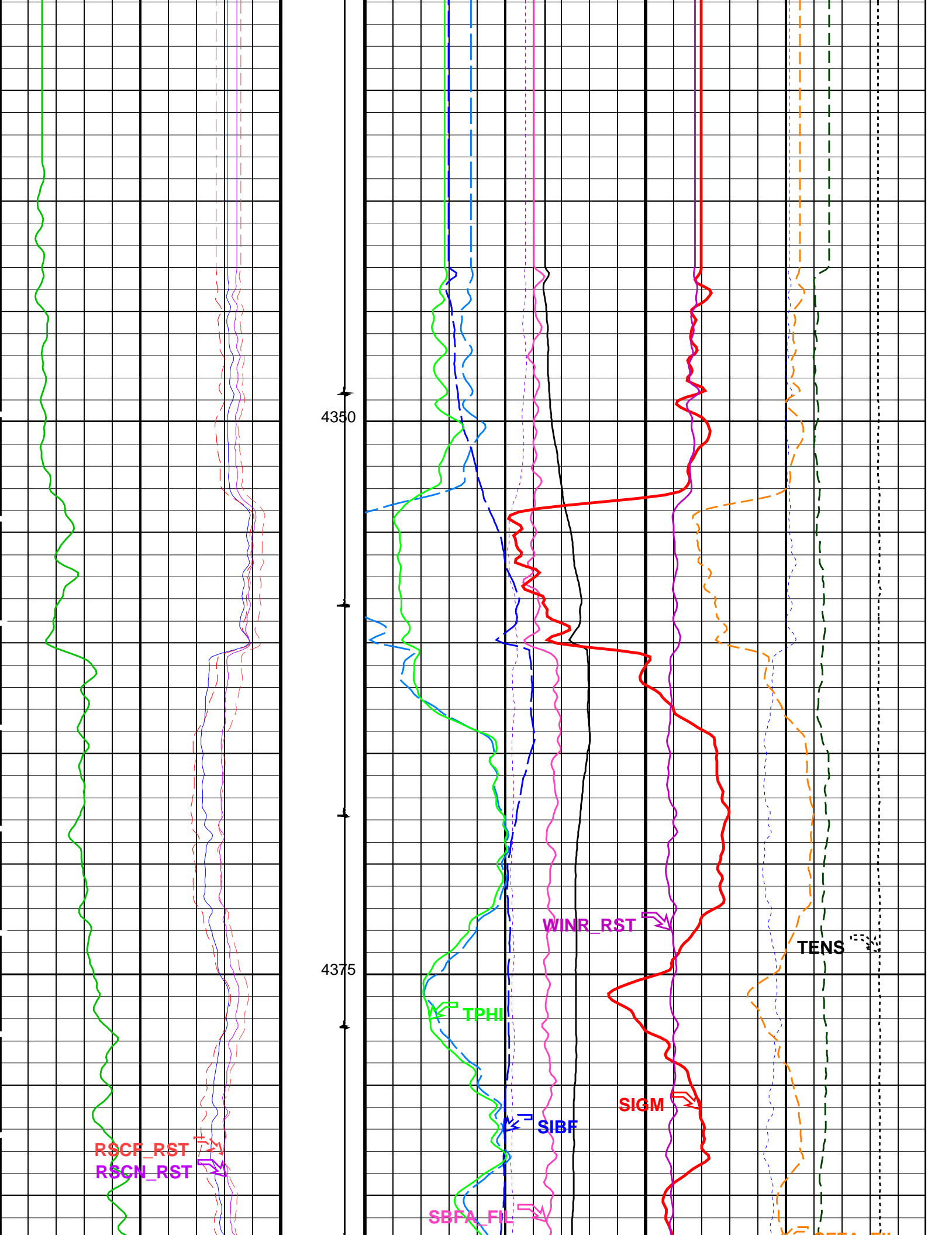
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PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

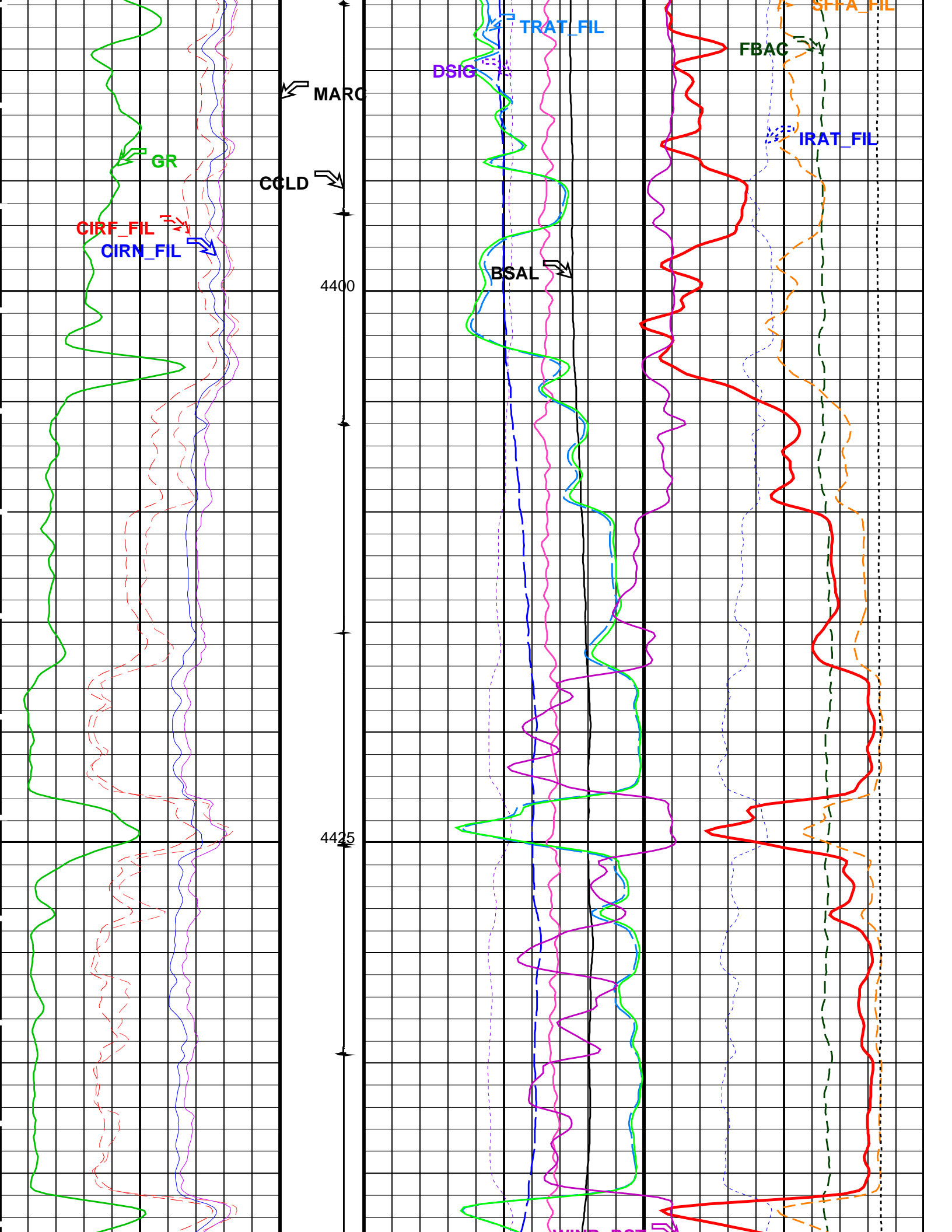
PIP SUMMARY

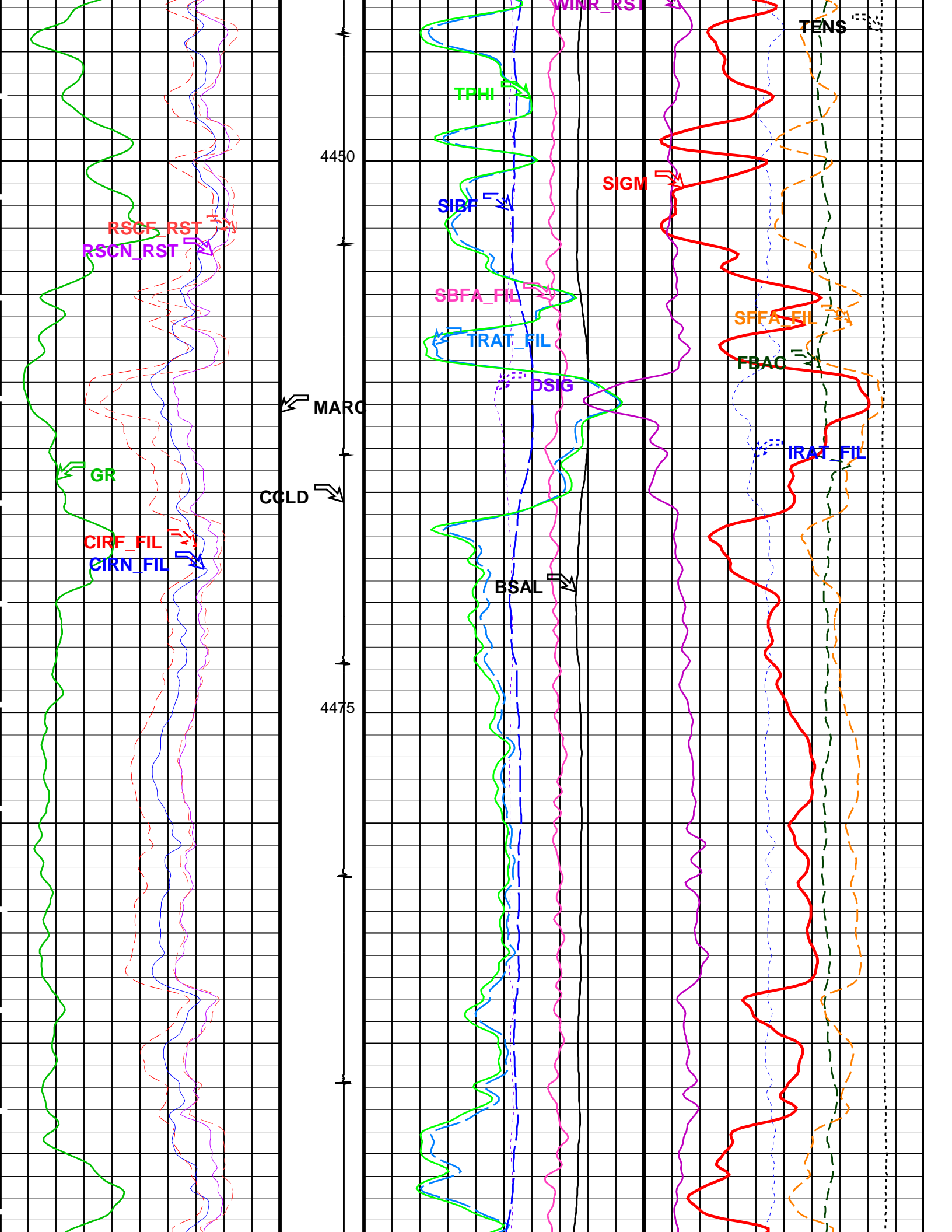
Time Mark Every 60 S

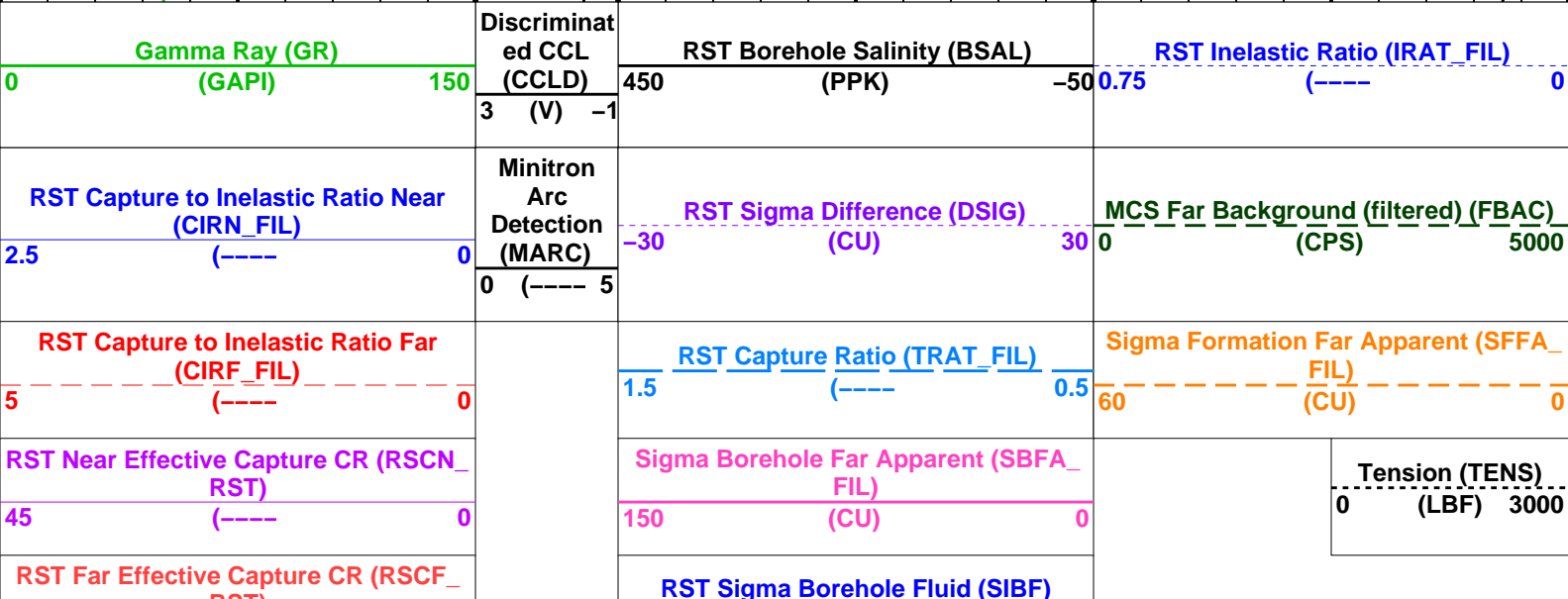
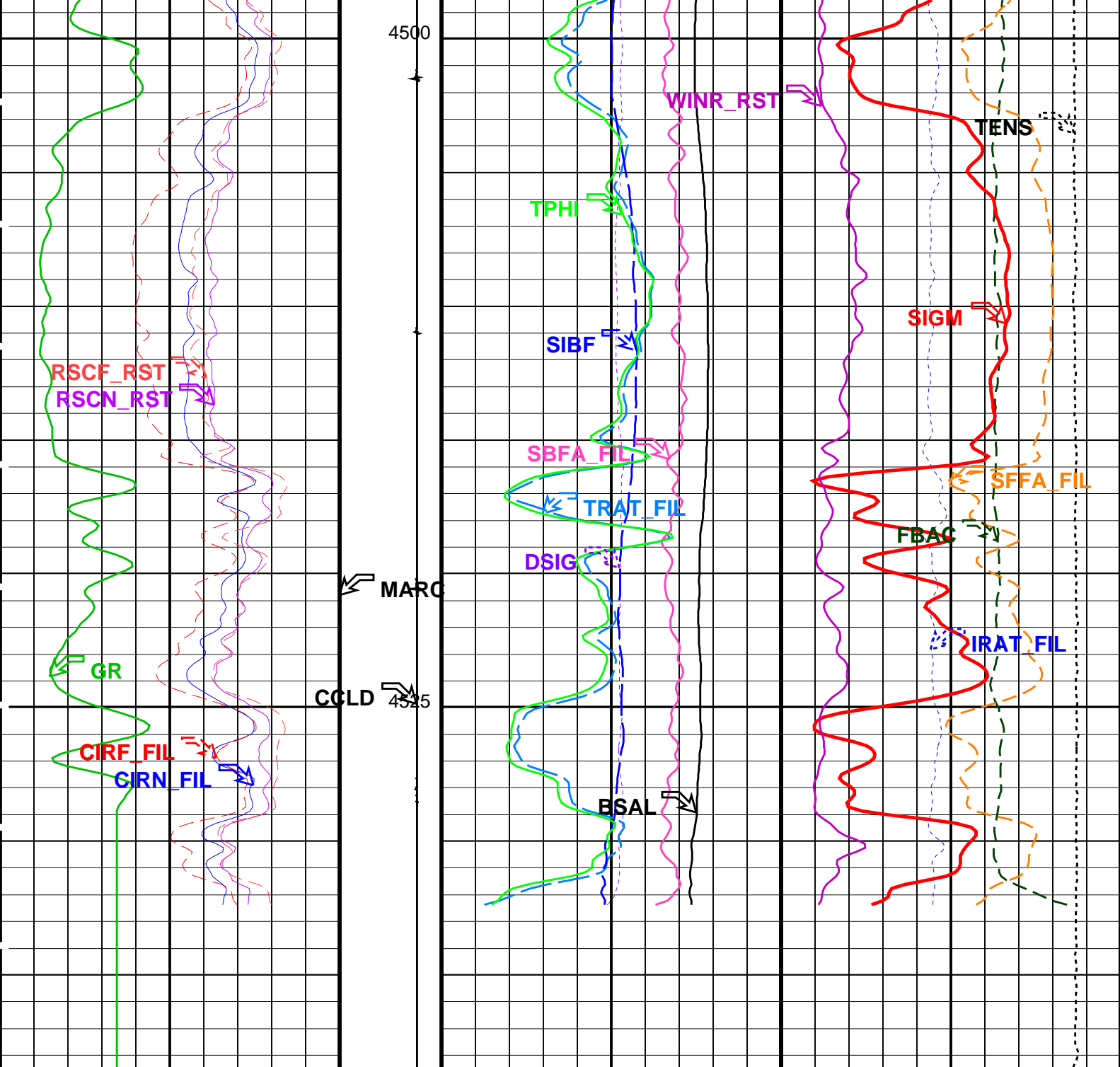
										<div> <div>RST Sigma (SIGM)</div> <div>60 (CU) 0</div> </div>									
										<div> <div>RST Weighted Inelastic Ratio (WINR_RST)</div> <div>0.8 (----) -0.8</div> </div>									
										<div> <div>RST Porosity (TPHI)</div> <div>0.6 (V/V) 0</div> </div>									
<div> <div>RST Far Effective Capture CR (RSCF_RST)</div> <div>45 (----) 0</div> </div>										<div> <div>RST Sigma Borehole Fluid (SIBF)</div> <div>100 (CU) 0</div> </div>									
<div> <div>RST Near Effective Capture CR (RSCN_RST)</div> <div>45 (----) 0</div> </div>										<div> <div>Sigma Borehole Far Apparent (SBFA_FIL)</div> <div>150 (CU) 0</div> </div> <div> <div>Tension (TENS)</div> <div>0 (LBF) 3000</div> </div>									
<div> <div>RST Capture to Inelastic Ratio Far (CIRF_FIL)</div> <div>5 (----) 0</div> </div>										<div> <div>RST Capture Ratio (TRAT_FIL)</div> <div>1.5 (----) 0.5</div> </div> <div> <div>Sigma Formation Far Apparent (SFFA_FIL)</div> <div>60 (CU) 0</div> </div>									
<div> <div>RST Capture to Inelastic Ratio Near (CIRN_FIL)</div> <div>2.5 (----) 0</div> </div>										<div> <div>RST Sigma Difference (DSIG)</div> <div>-30 (CU) 30</div> </div> <div> <div>MCS Far Background (filtered) (FBAC)</div> <div>0 (CPS) 5000</div> </div>									
<div> <div>Gamma Ray (GR)</div> <div>0 (GAPI) 150</div> </div>										<div> <div>RST Borehole Salinity (BSAL)</div> <div>450 (PPK) -50</div> </div> <div> <div>RST Inelastic Ratio (IRAT_FIL)</div> <div>0.75 (----) 0</div> </div>									
<div> <div>Minitron Arc Detection (MARC)</div> <div>0 (----) 5</div> </div>										<div> <div>Discriminated CCL (CCLD)</div> <div>3 (V) -1</div> </div>									
<div> <div>4275</div> </div>										<div> <div>4275</div> </div>									











45	RST) (----	0
	RST Porosity (TPHI)	
0.6	(V/V)	0
	RST Weighted Inelastic Ratio (WINR_RST)	
0.8	(----	-0.8
	RST Sigma (SIGM)	
60	(CU)	0


PIP SUMMARY		
Time Mark Every 60 S		

Parameters		
DLIS Name	Description	Value
RST-C: Reservoir Saturation Pro Tool C		
AIRB	RST Air Borehole	No
BHS	Borehole Status	CASED
BSALOPT	RST Borehole Salinity Option	Unknown
BSFL	RST Borehole Salinity Filter Length	51
DFPC	RST Depth Filter Processing Constant	One
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48
NORM_SIGM_RST	RST Normalized Sigma	30
RGAI	Near/Far Gain Calibration Ratio	1
TIER_SIGM	RST Sigma Acquisition Mode	0_RST_Sigma
PSTE: Production Services Tractor Tool – Slim		
BHS	Borehole Status	CASED
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
System and Miscellaneous		
BS	Bit Size	7.656
BSAL	Borehole Salinity	-50000.00
CSIZ	Current Casing Size	7.000
CWEI	Casing Weight	35.20
DO	Depth Offset for Playback	3.8
PP	Playback Processing	RECOMPUTE

Format: RST_SIG_ANSW	Vertical Scale: 1:200	Graphics File Created: 23-Oct-2009 23:23
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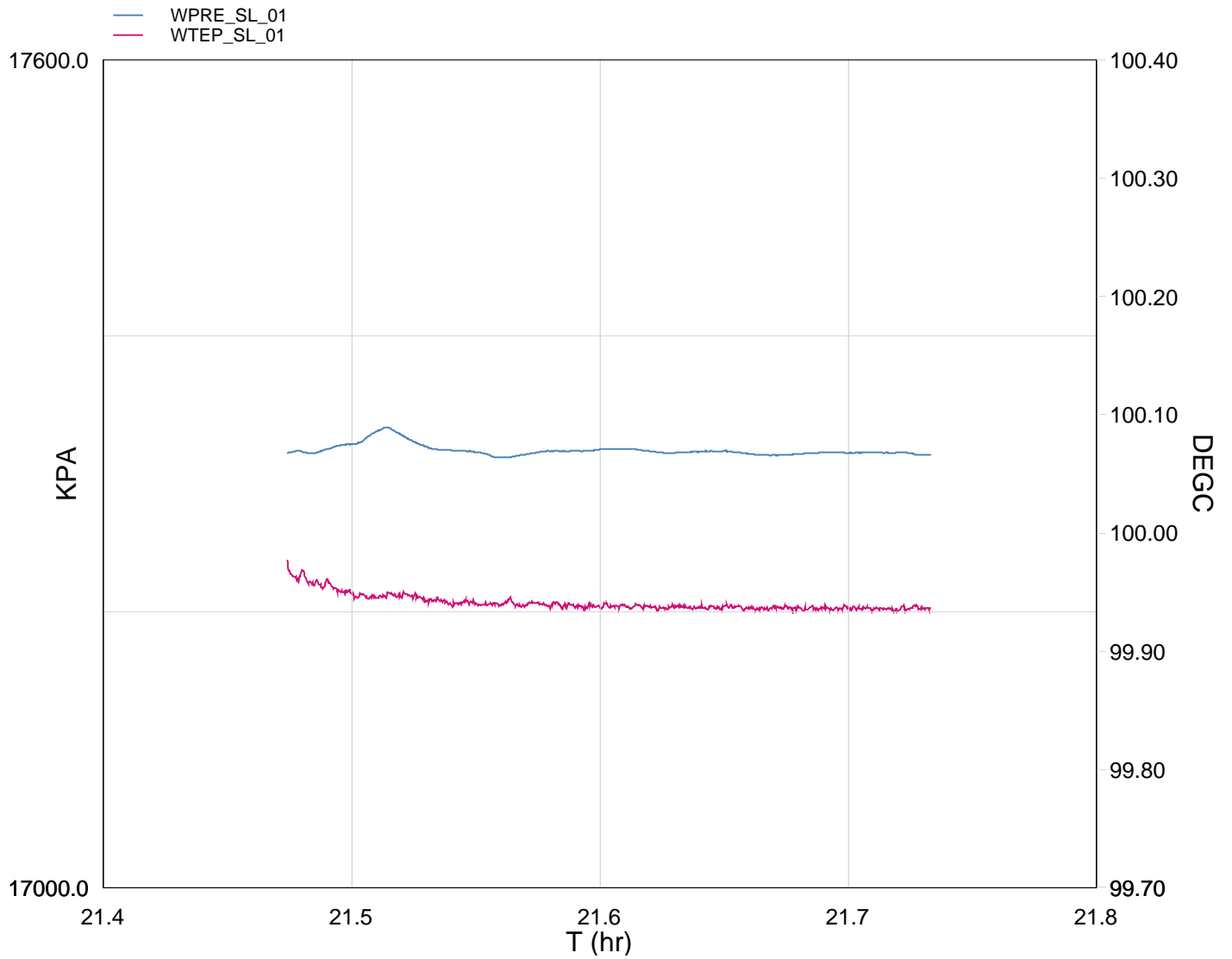
OP System Version: 17C0-154			
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PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

Input DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_054LUP	FN:58	PRODUCER	23-Oct-2009 22:38	4534.7 M	4305.5 M
Output DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_056PUP	FN:60	PRODUCER	23-Oct-2009 23:23		



Flowing Station @ 5021m MDKB

MAXIS Field Log



TIME	DEGF	PSIA
10680.0	211.9578	2511.3396
10740.0	211.9234	2511.7671
10800.0	211.9027	2513.2027
10860.0	211.9038	2512.6699
10920.0	211.8884	2511.6216
10980.0	211.8931	2510.9236
11040.0	211.8939	2511.3742
11100.0	211.8889	2511.5561
11160.0	211.8877	2511.7499
11220.0	211.8875	2511.4151
11280.0	211.8863	2511.4887
11340.0	211.8848	2511.3576
11400.0	211.8859	2511.1429
11460.0	211.8896	2511.4180
11520.0	211.8861	2511.4247
11580.0	211.8847	2511.3525

MAXIS Field Log

Company: Esso Australia Pty Ltd.

Well: A-11a

Input DLIS Files

DEFAULT Flip_FCS_RST_PSP_130LUP PRODUCER 27-Oct-2009 02:41 5130.9 M 4759.3 M

Output DLIS Files

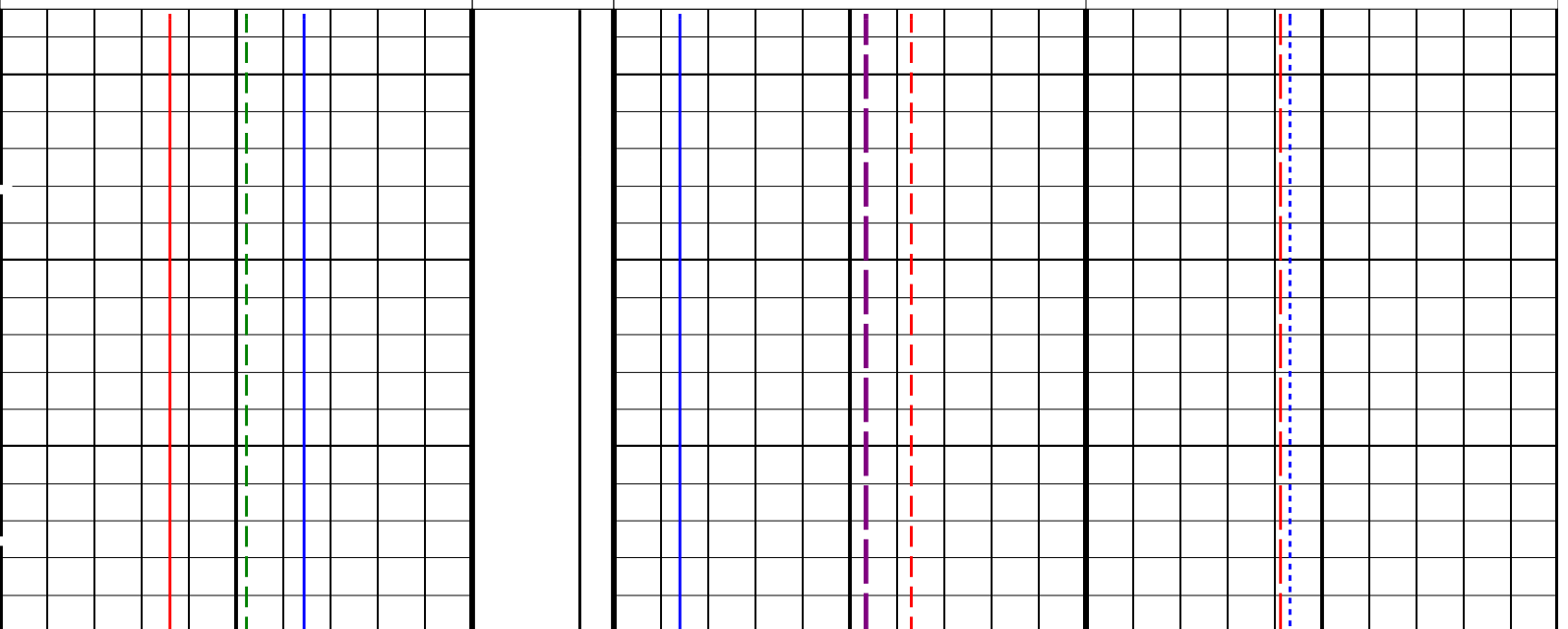
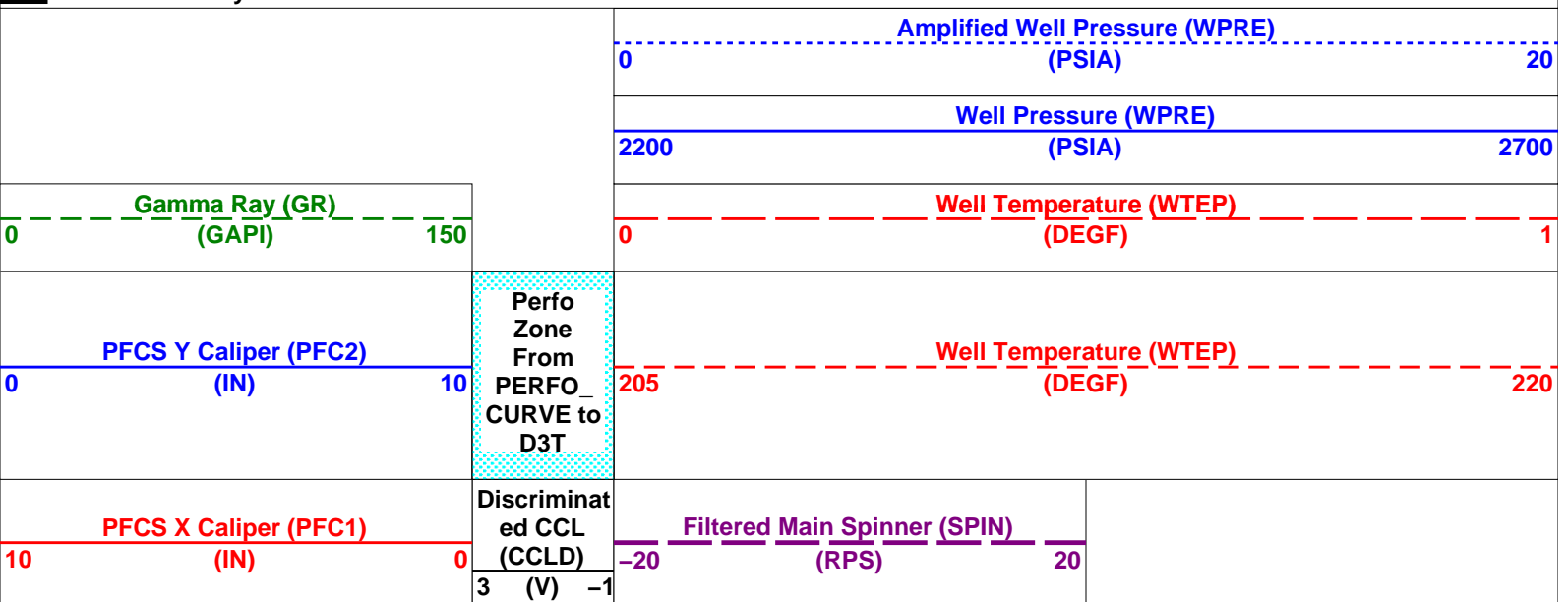
DEFAULT FCS_RST_PSP_PSTS_131PUP FN:140 PRODUCER 27-Oct-2009 02:44 5124.8 M 4753.2 M

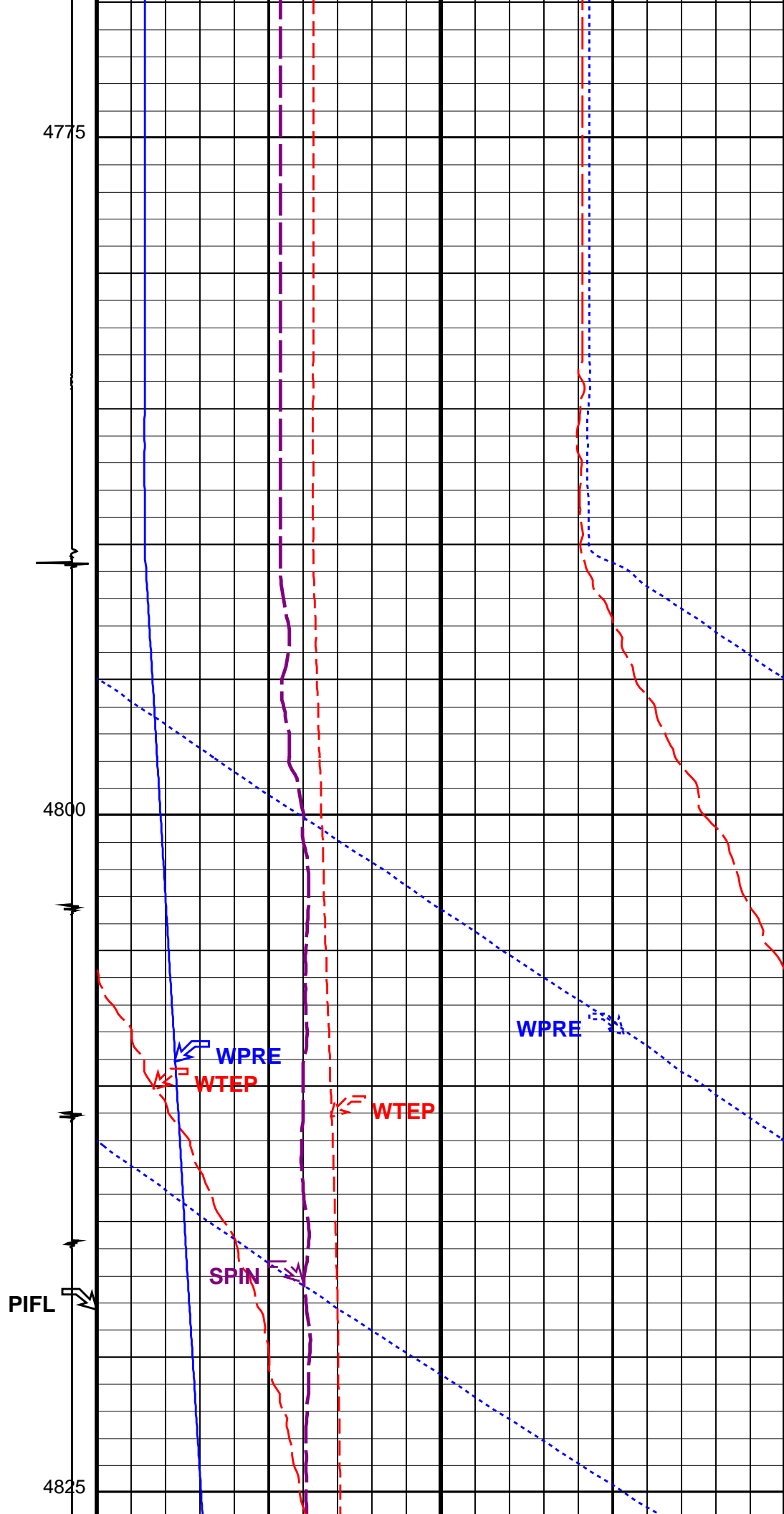
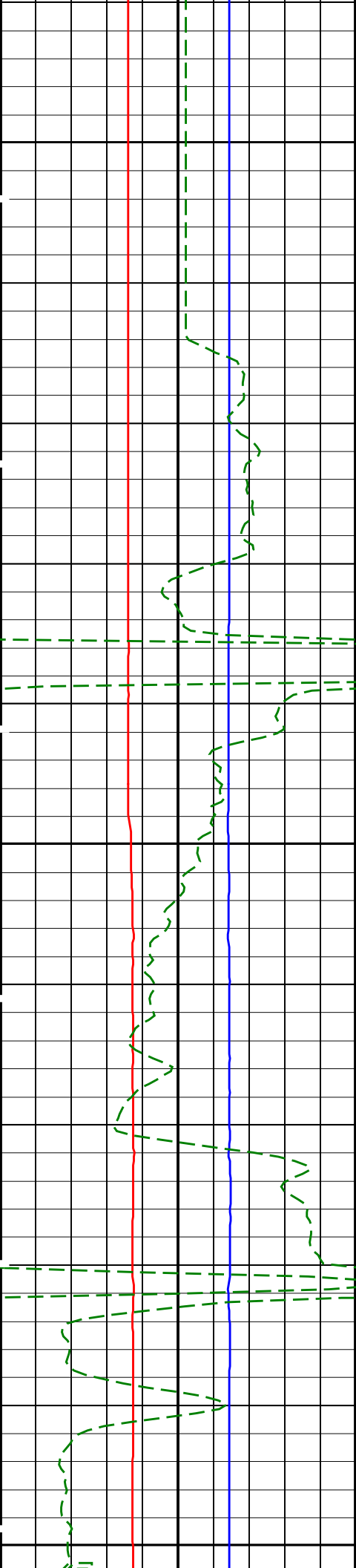
OP System Version: 17C0-154

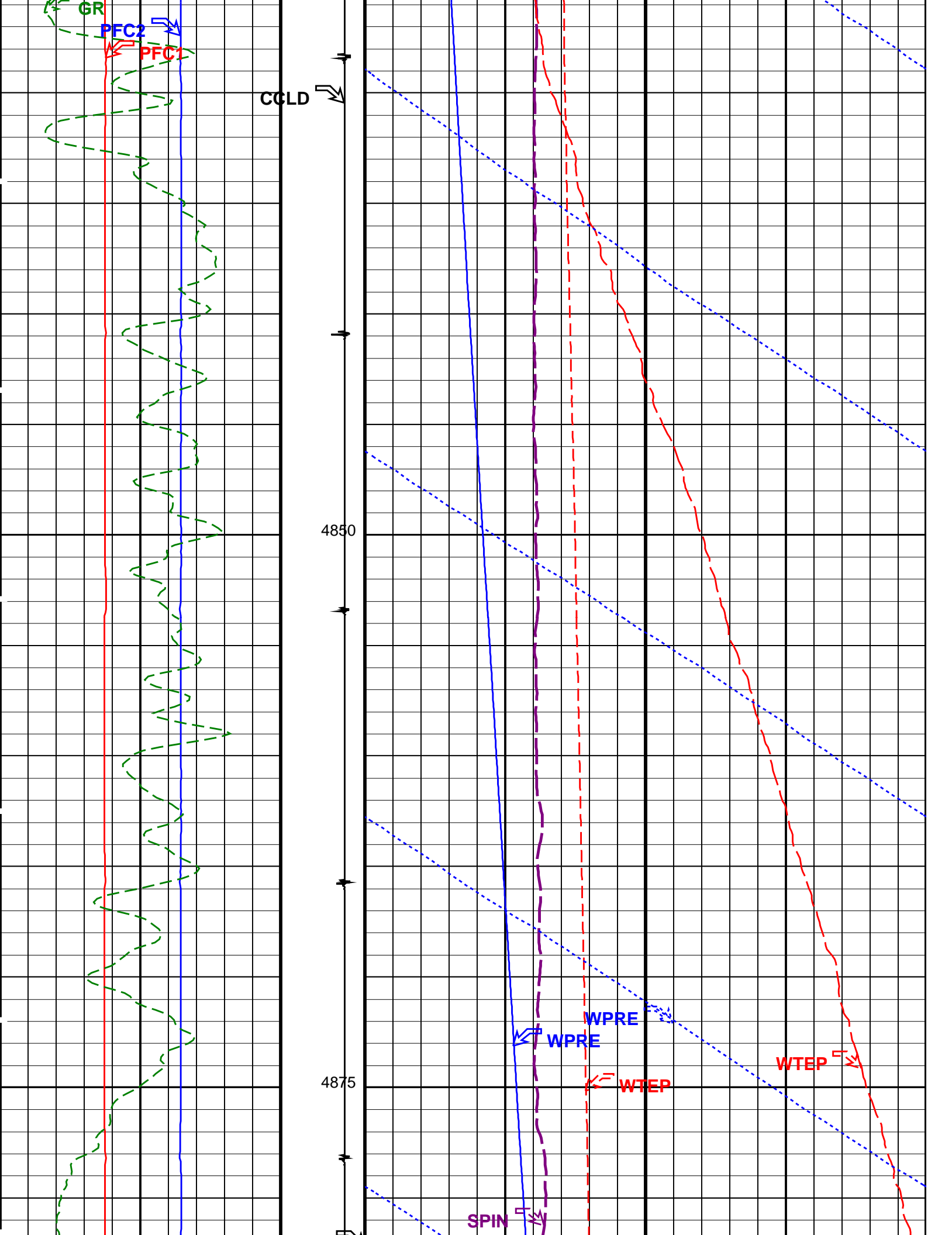
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PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

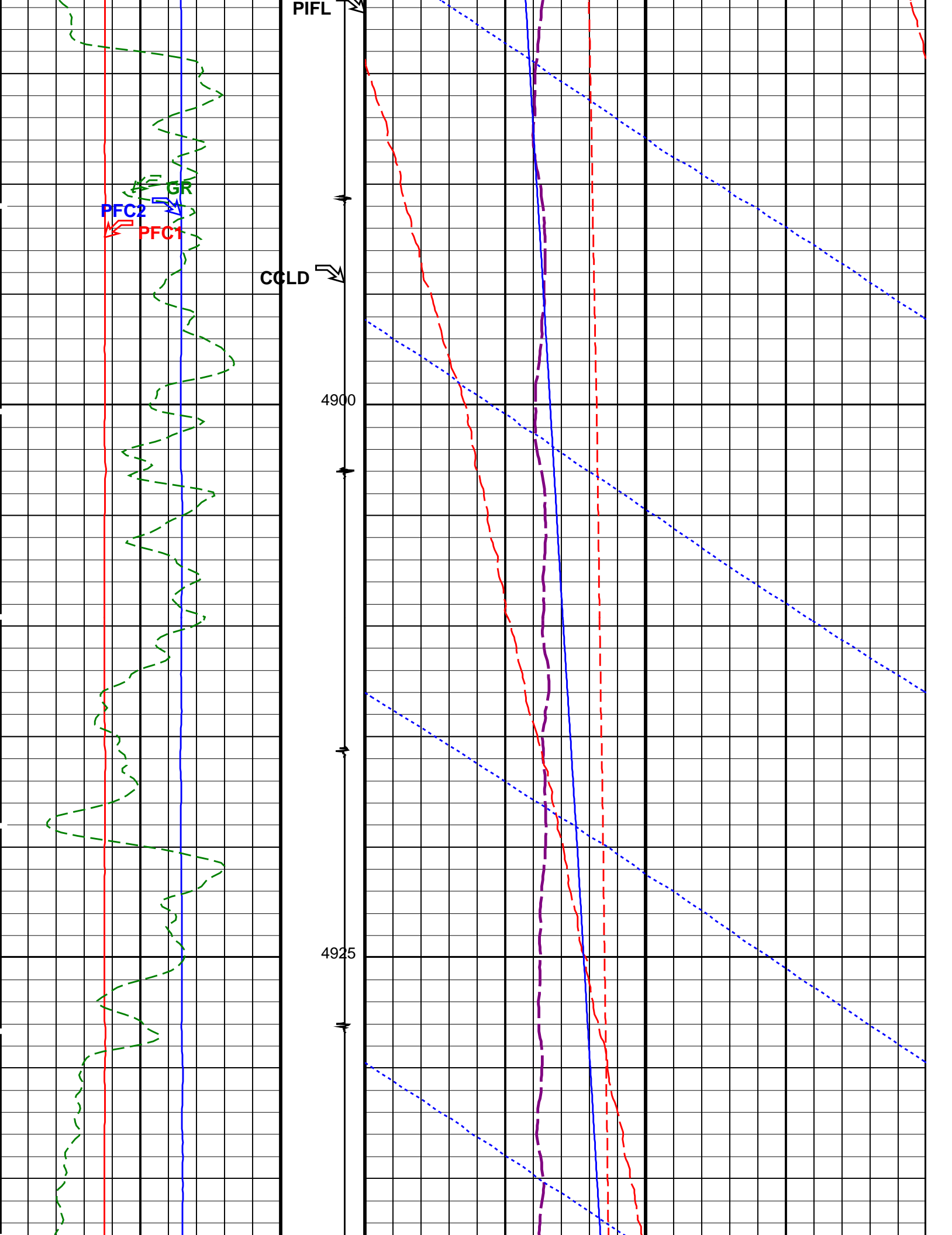
PIP SUMMARY

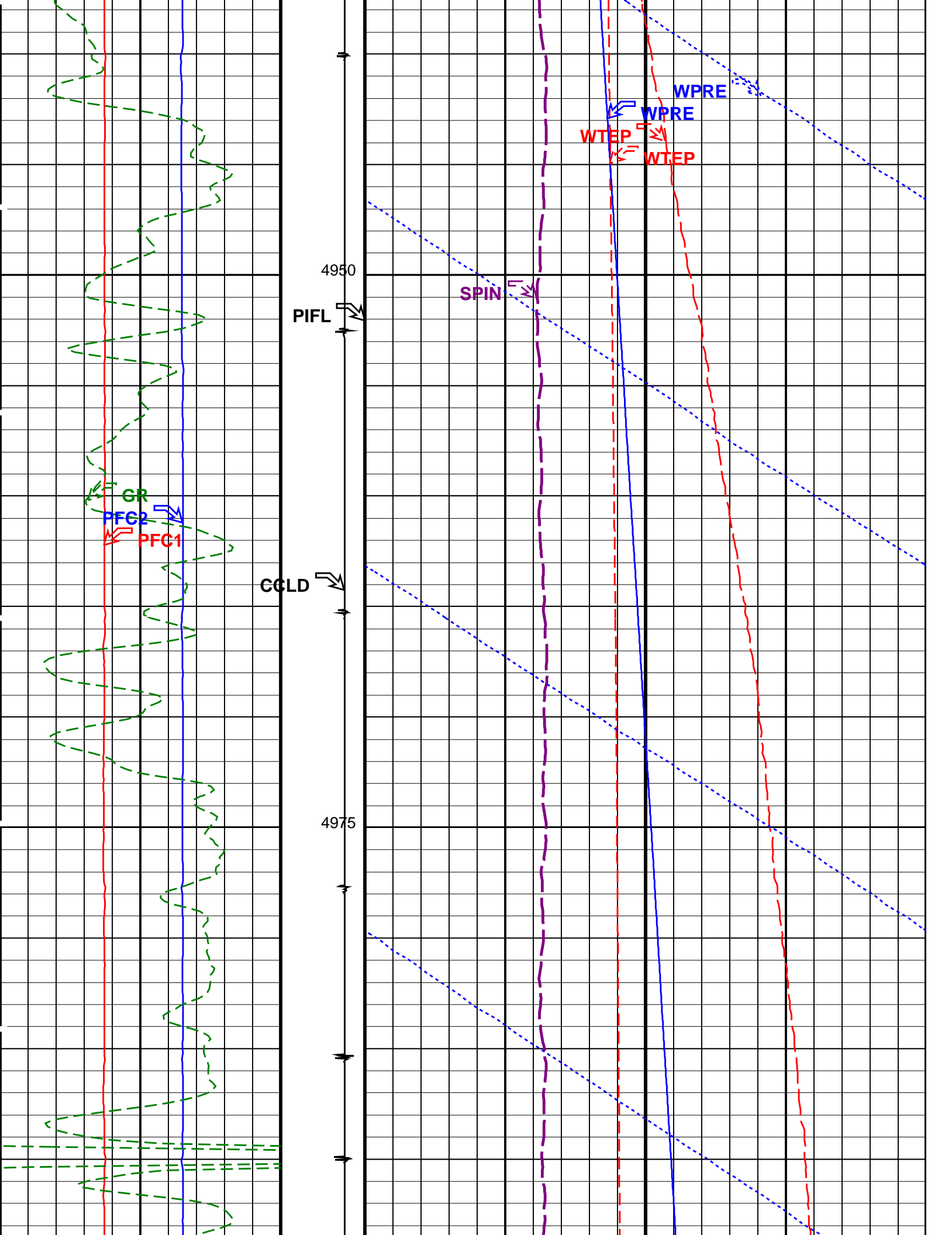
Time Mark Every 60 S

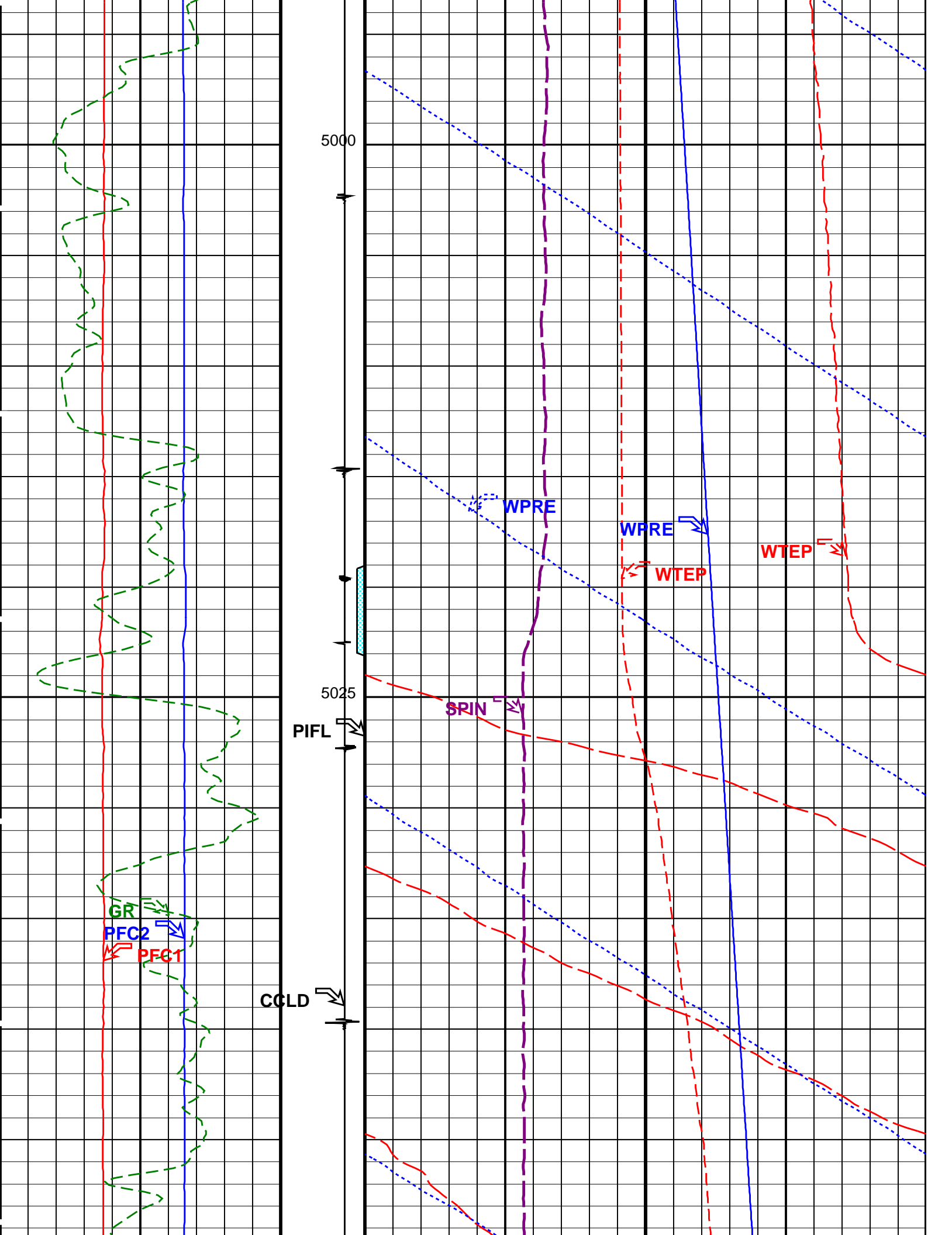


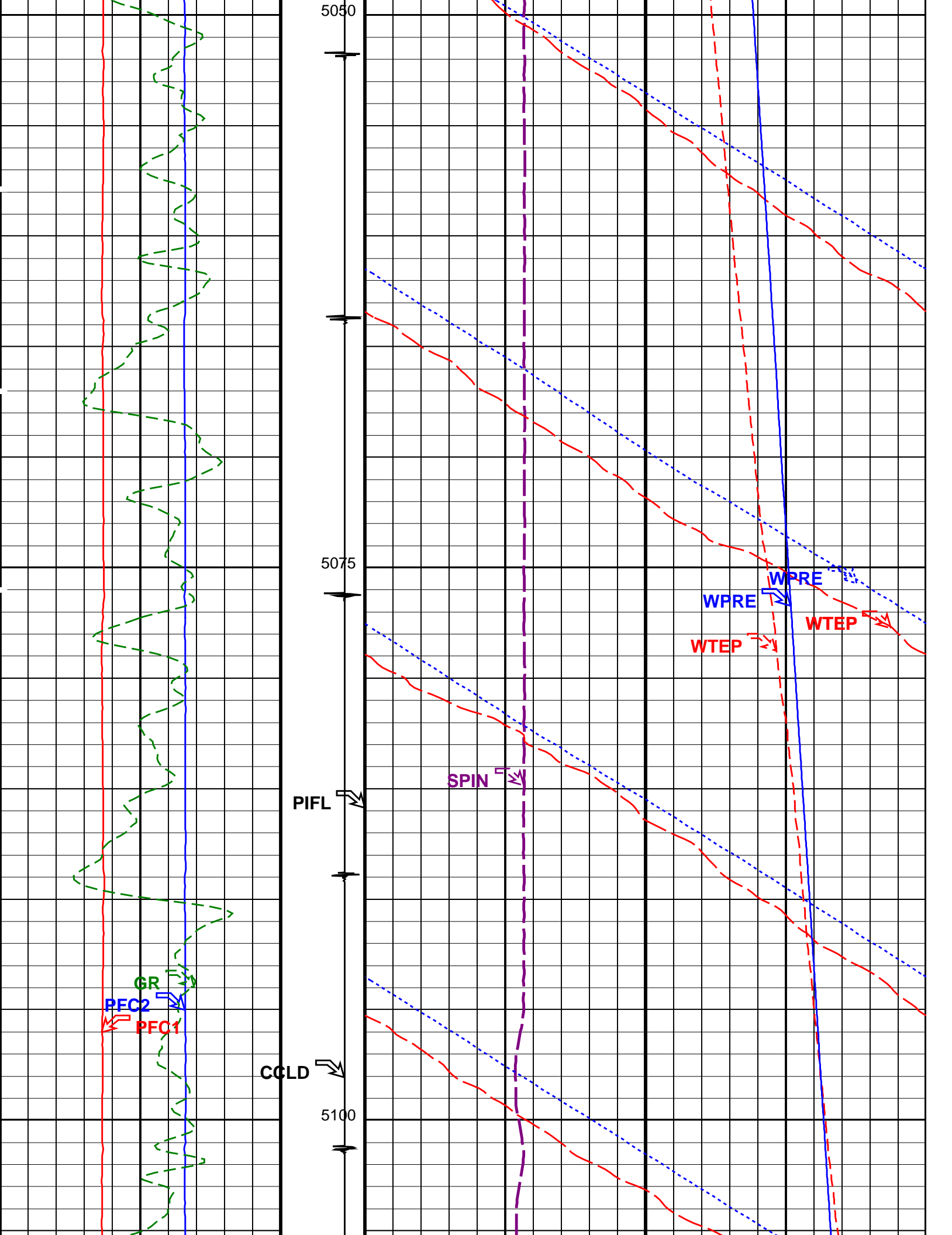


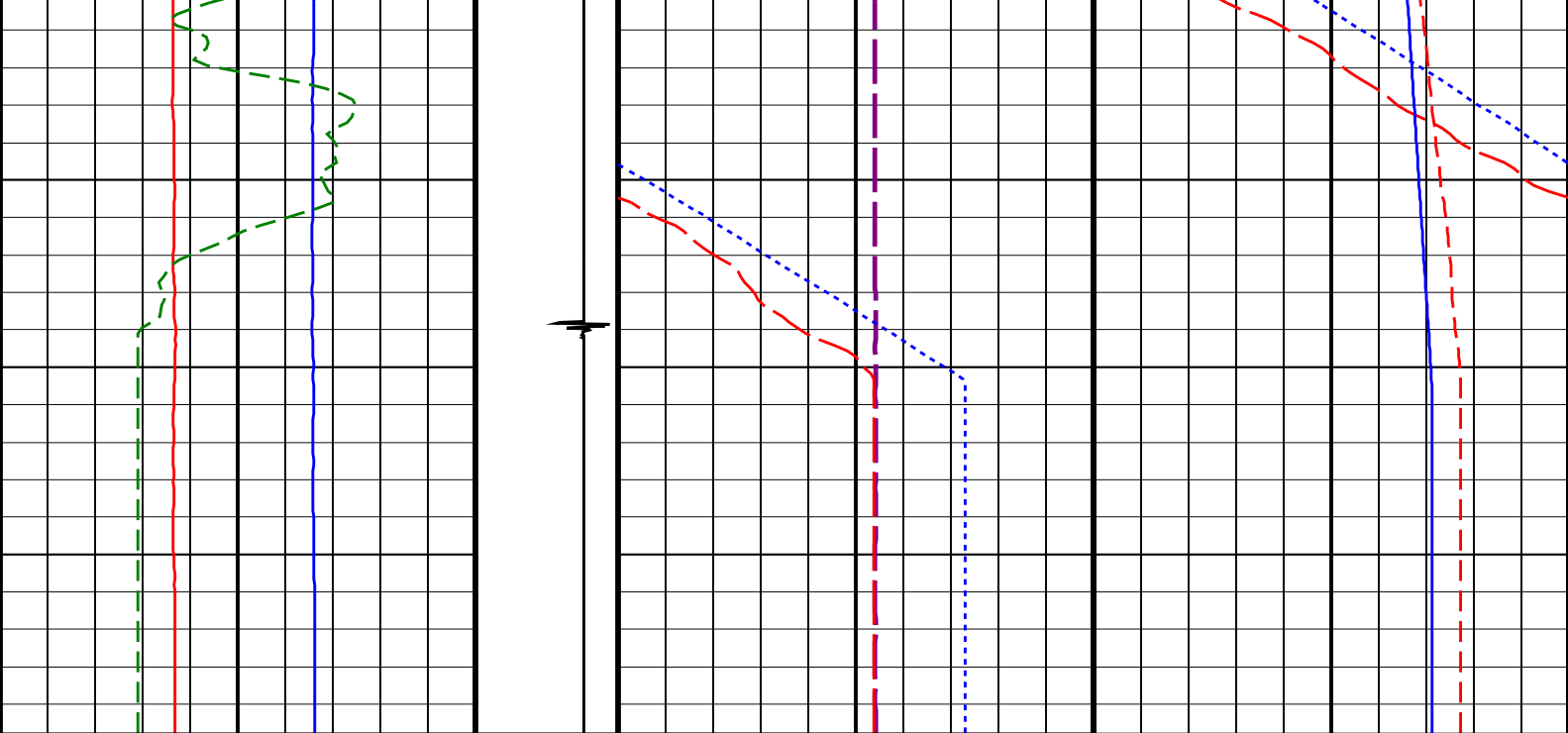












PFCS X Caliper (PFC1) (IN)	Discriminat ed CCL (CCLD) (V)	Filtered Main Spinner (SPIN) (RPS)	
10 0	3 -1	-20 20	
PFCS Y Caliper (PFC2) (IN)	Perfo Zone From PERFO_ CURVE to D3T	Well Temperature (WTEP) (DEGF)	
0 10		205 220	
Gamma Ray (GR) (GAPI)		Well Temperature (WTEP) (DEGF)	
0 150		0 1	
		Well Pressure (WPRES) (PSIA)	
		2200 2700	
		Amplified Well Pressure (WPRES) (PSIA)	
		0 20	

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 27-Oct-2009 02:44

OP System Version: 17C0-154

PFCS-A	SRPC-3870_Q3_2009_OP17_V3	RST-C	SRPC-3870_Q3_2009_OP17_V3
PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

Parameters		
DLIS Name	Description	Value
AMOD	PFCS-A: PSP Flow and caliper Tool	
SDCF	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SPIN	Spinner Depth Constant Filter	6
	Main Spinner Flowmeter Sonde	PFCS-A_3.5
	System and Miscellaneous	
DO	Depth Offset for Playback	-6.1 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT FILE: EQ2.DST D3T 1001.HB REPRODUCED 27 OCT 2009 02:44 5100.0 M 4750.0 M



Flowing Spinner Pass UP
5130m to 4800m MDKB

MAXIS Field Log

Company: Esso Australia Pty Ltd.

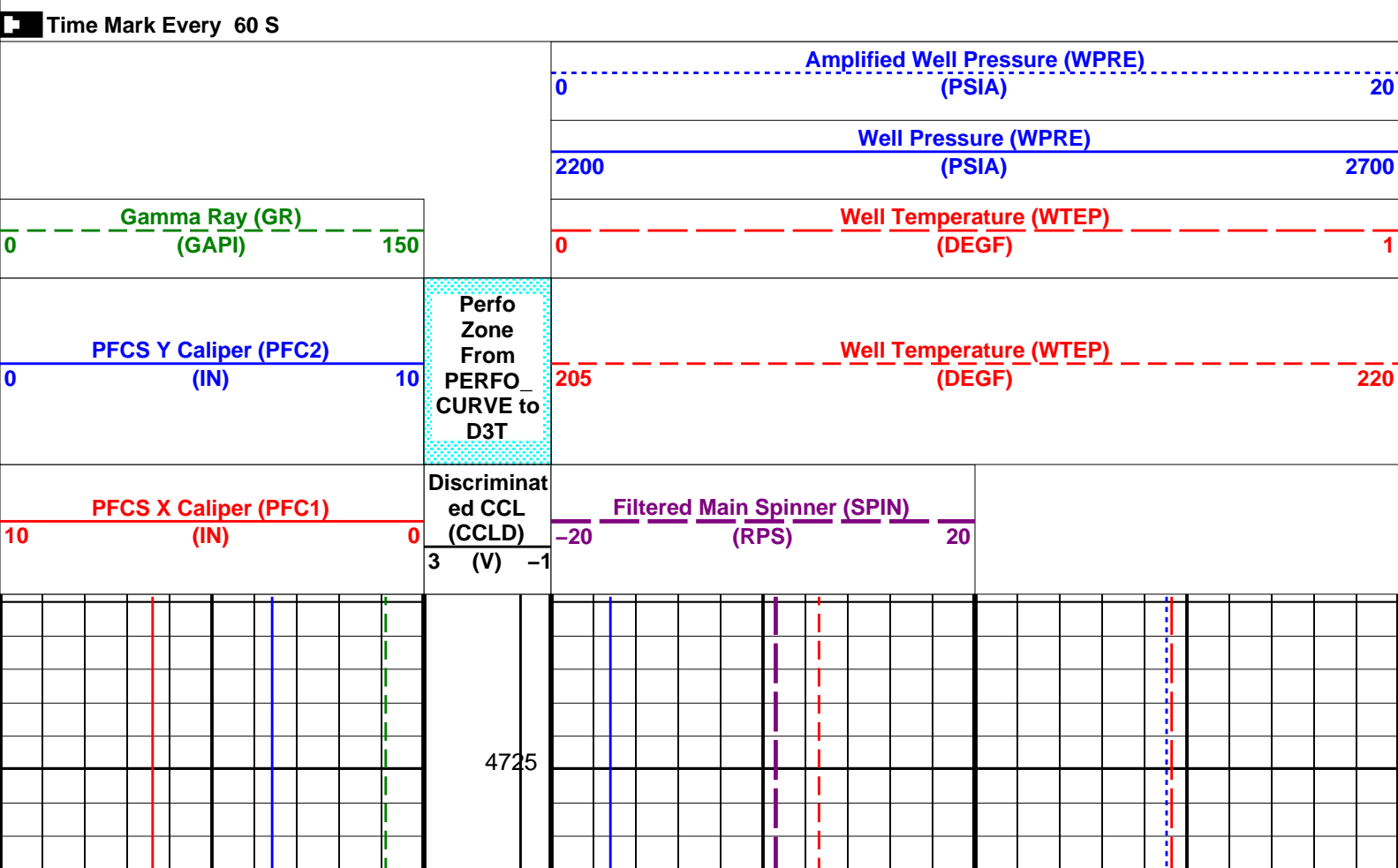
Well: A-11a

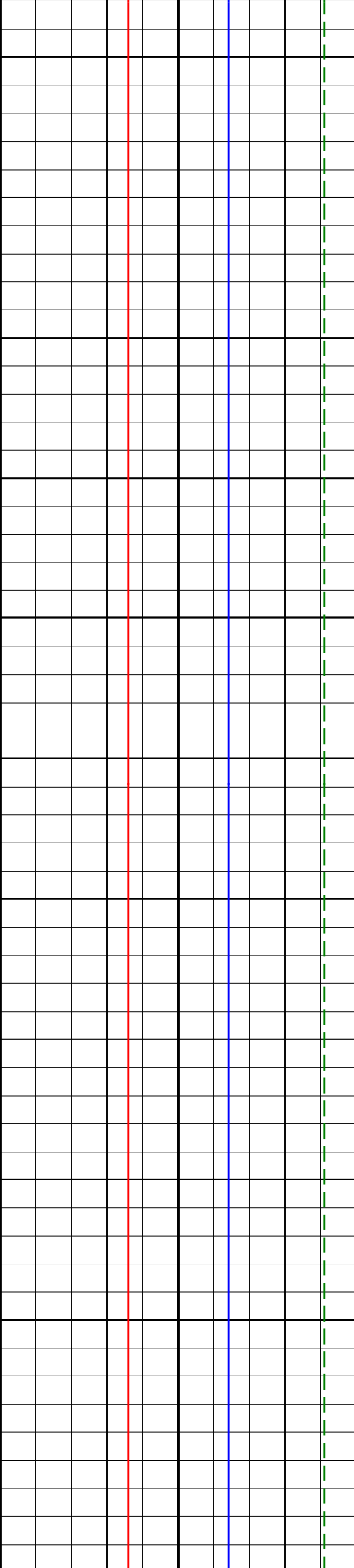
Input DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_045LUP	FN:49	PRODUCER	23-Oct-2009 19:15	5133.4 M	4759.1 M
Output DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_048PUP	FN:52	PRODUCER	23-Oct-2009 21:19	5133.7 M	4719.7 M

OP System Version: 17C0-154

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PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

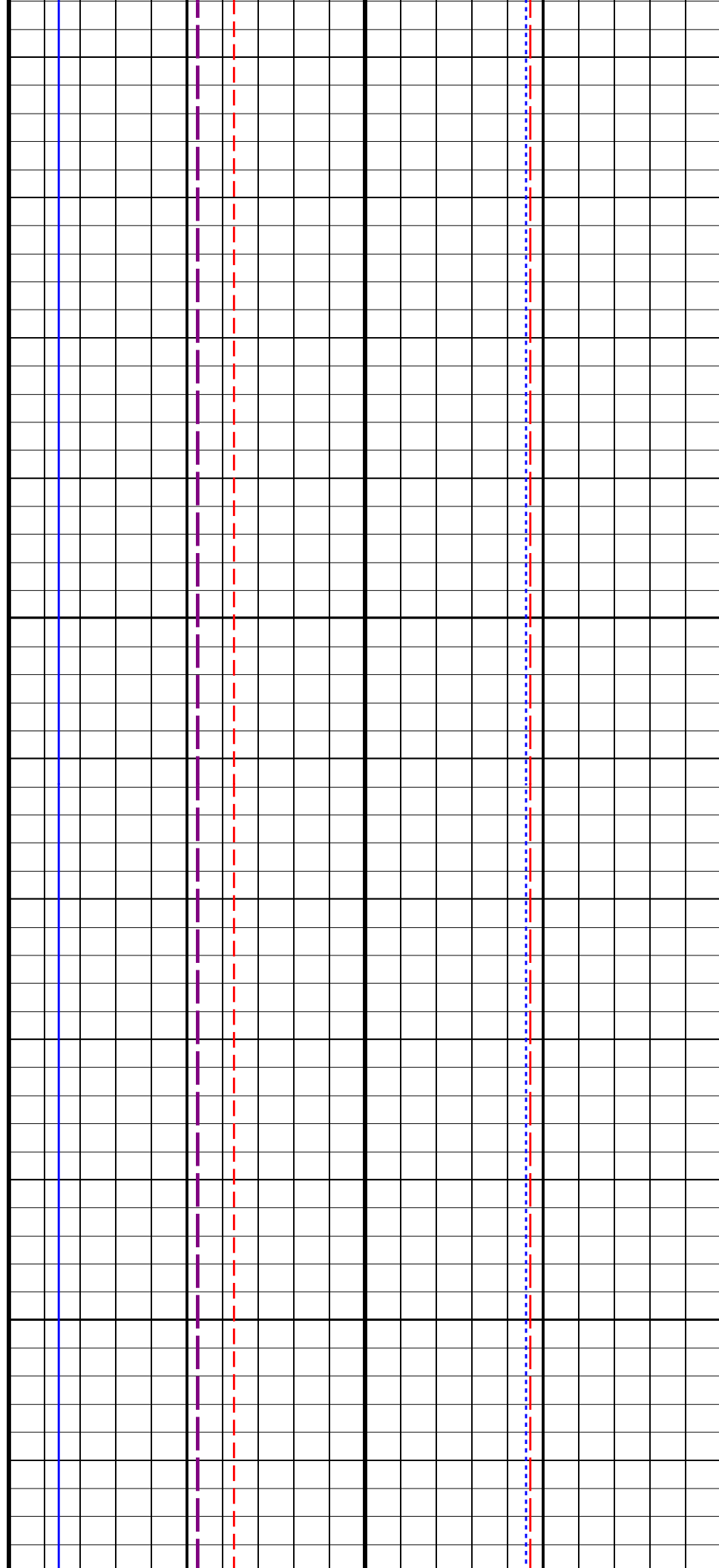
PIP SUMMARY

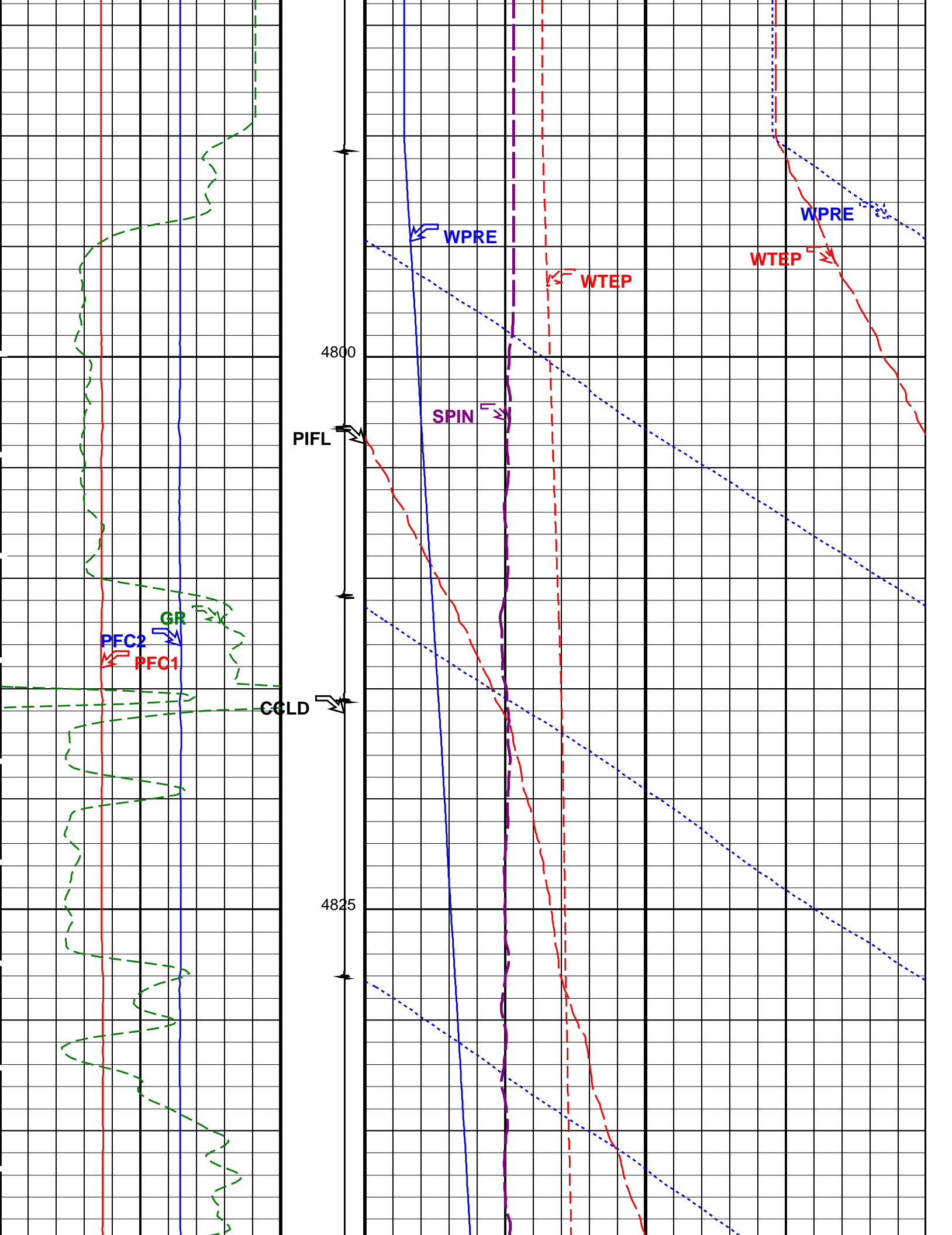


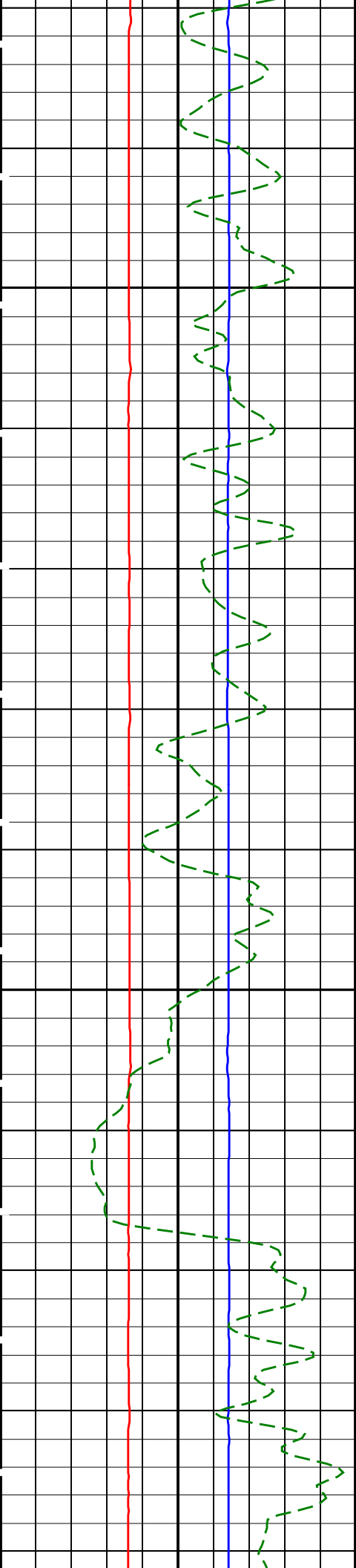


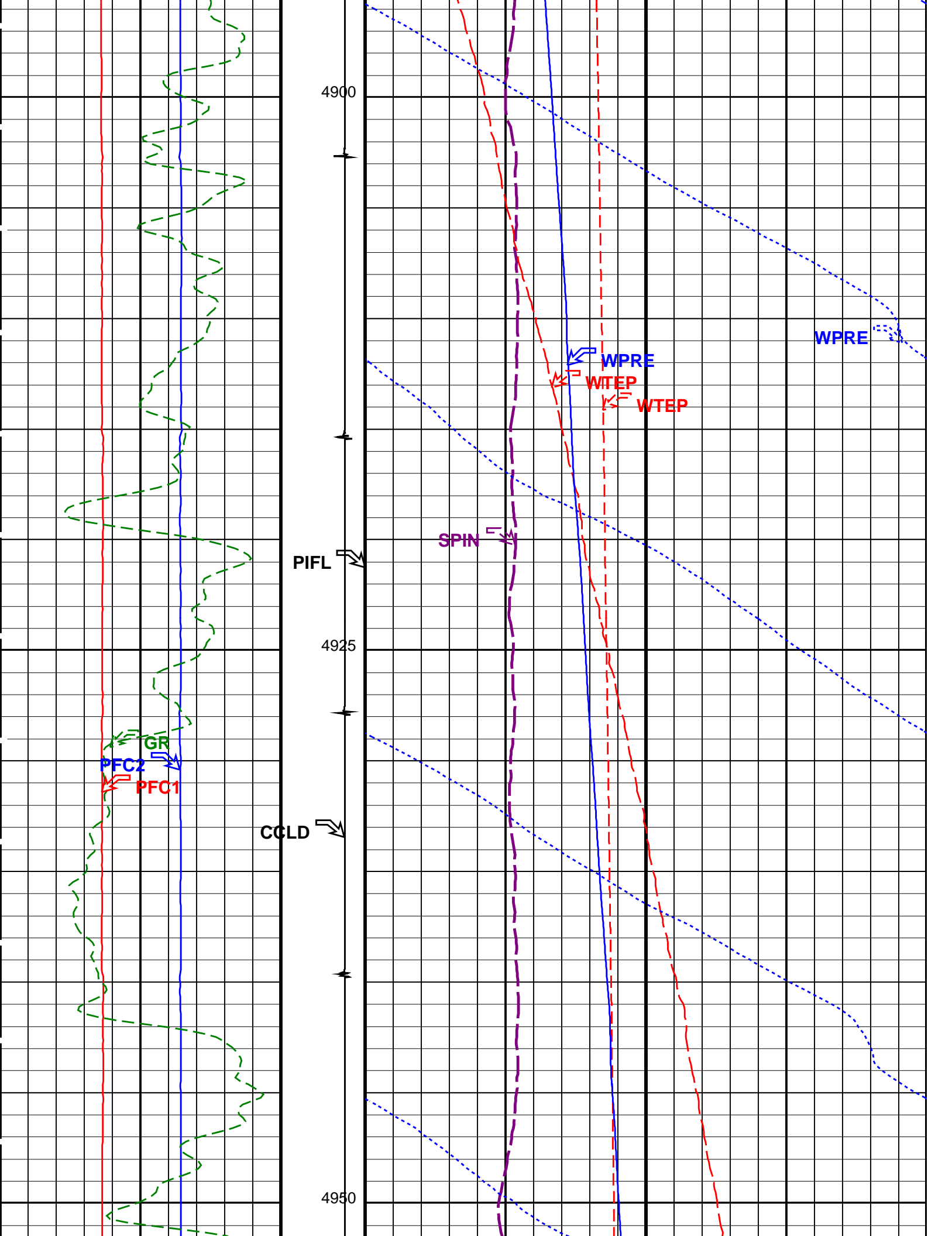
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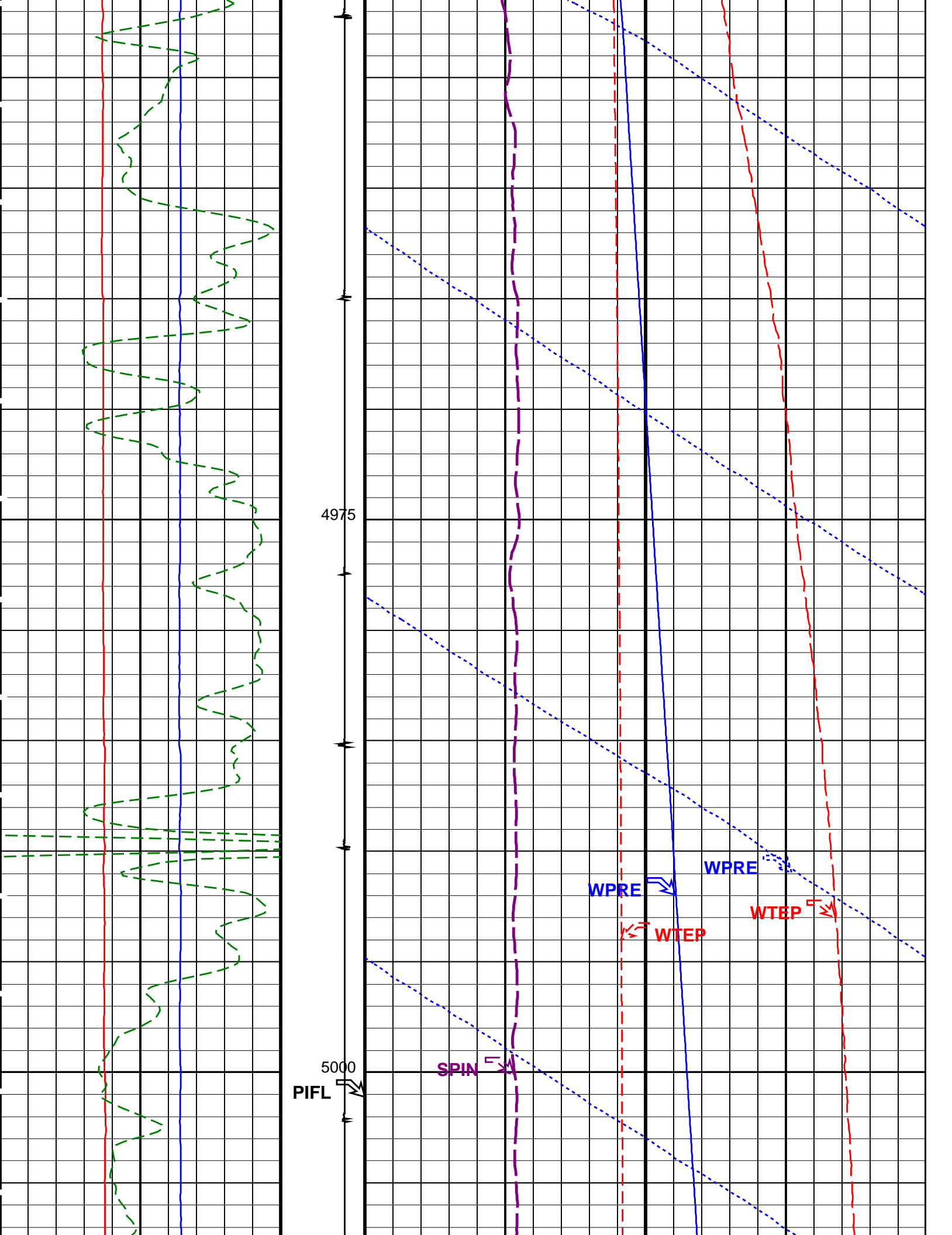
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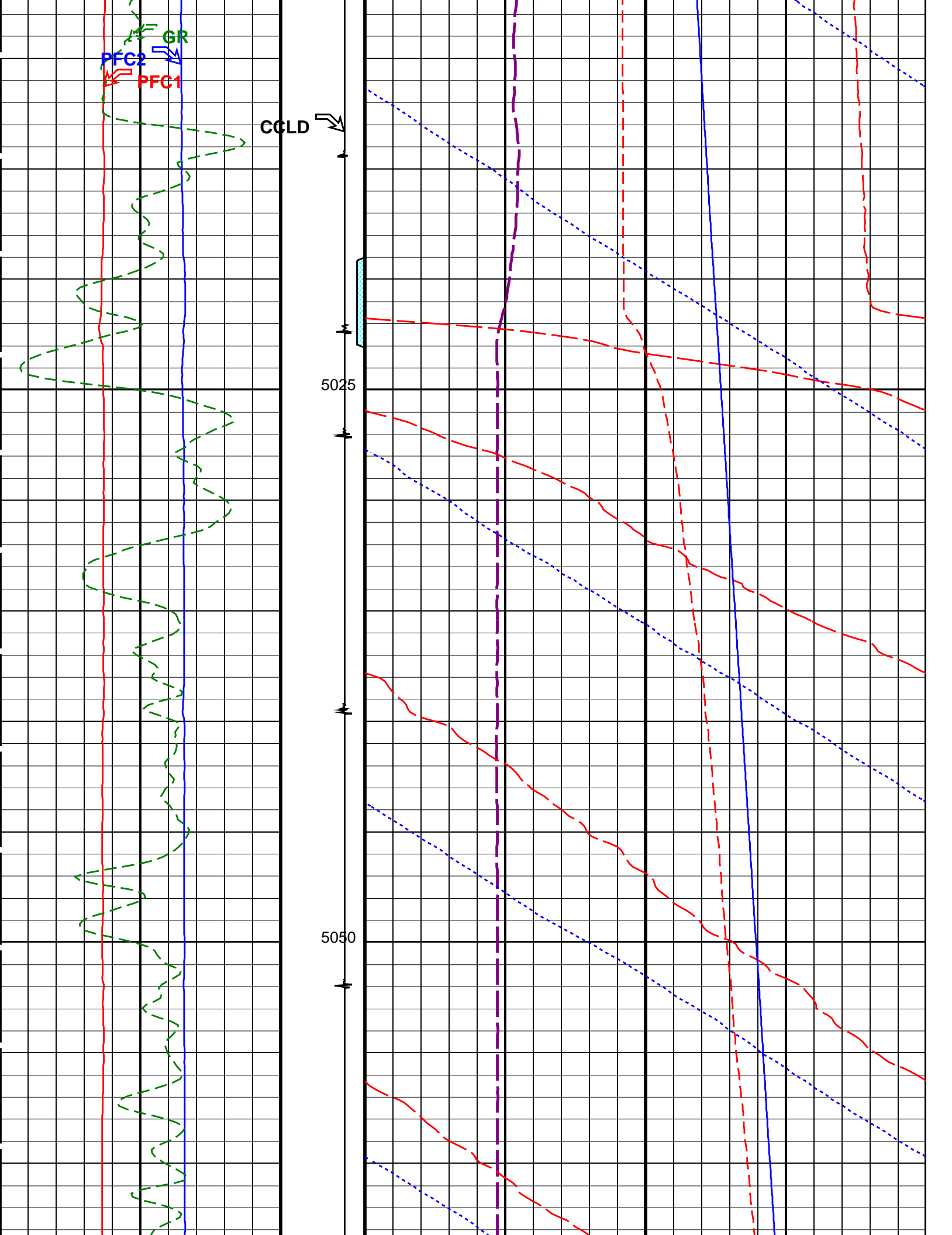


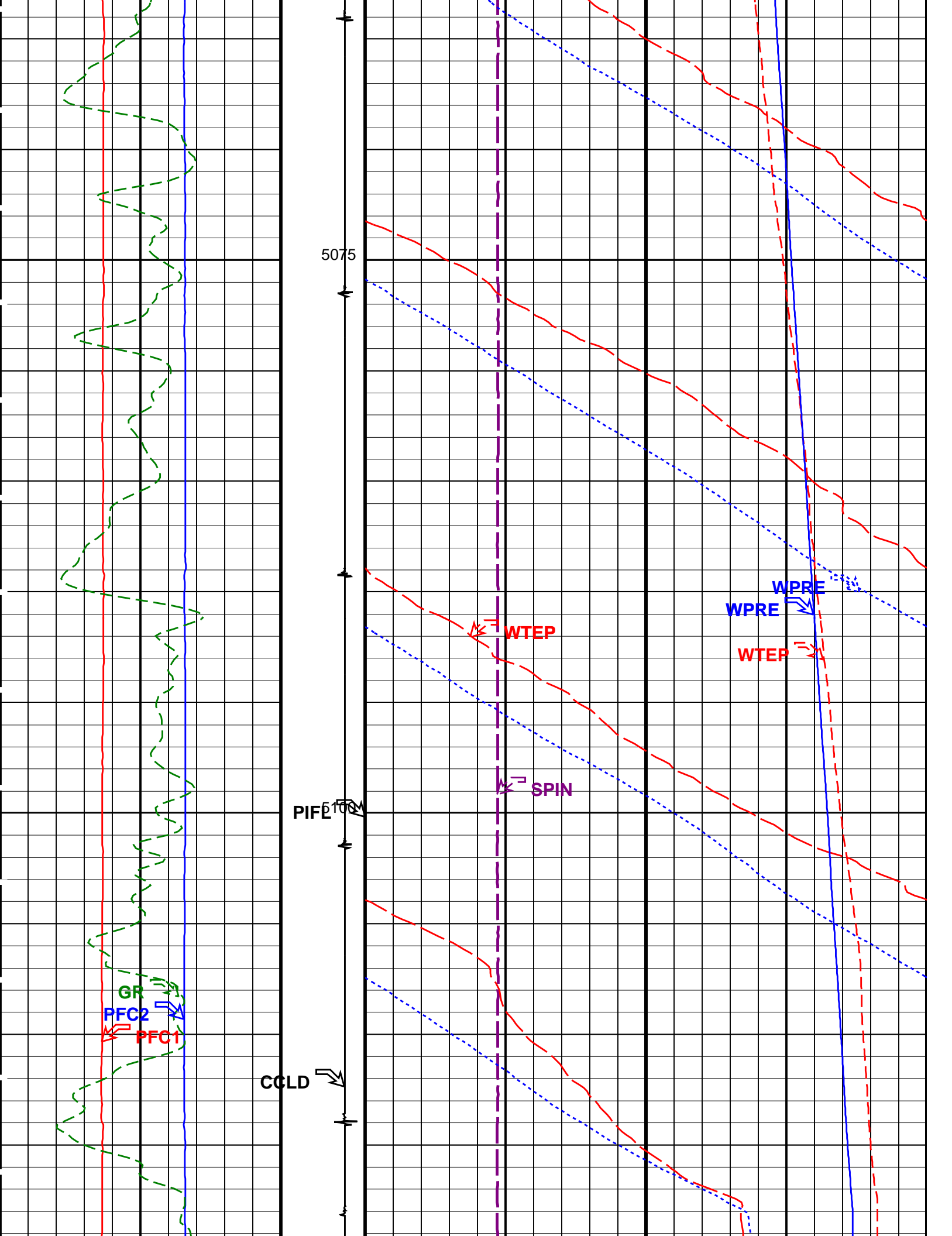


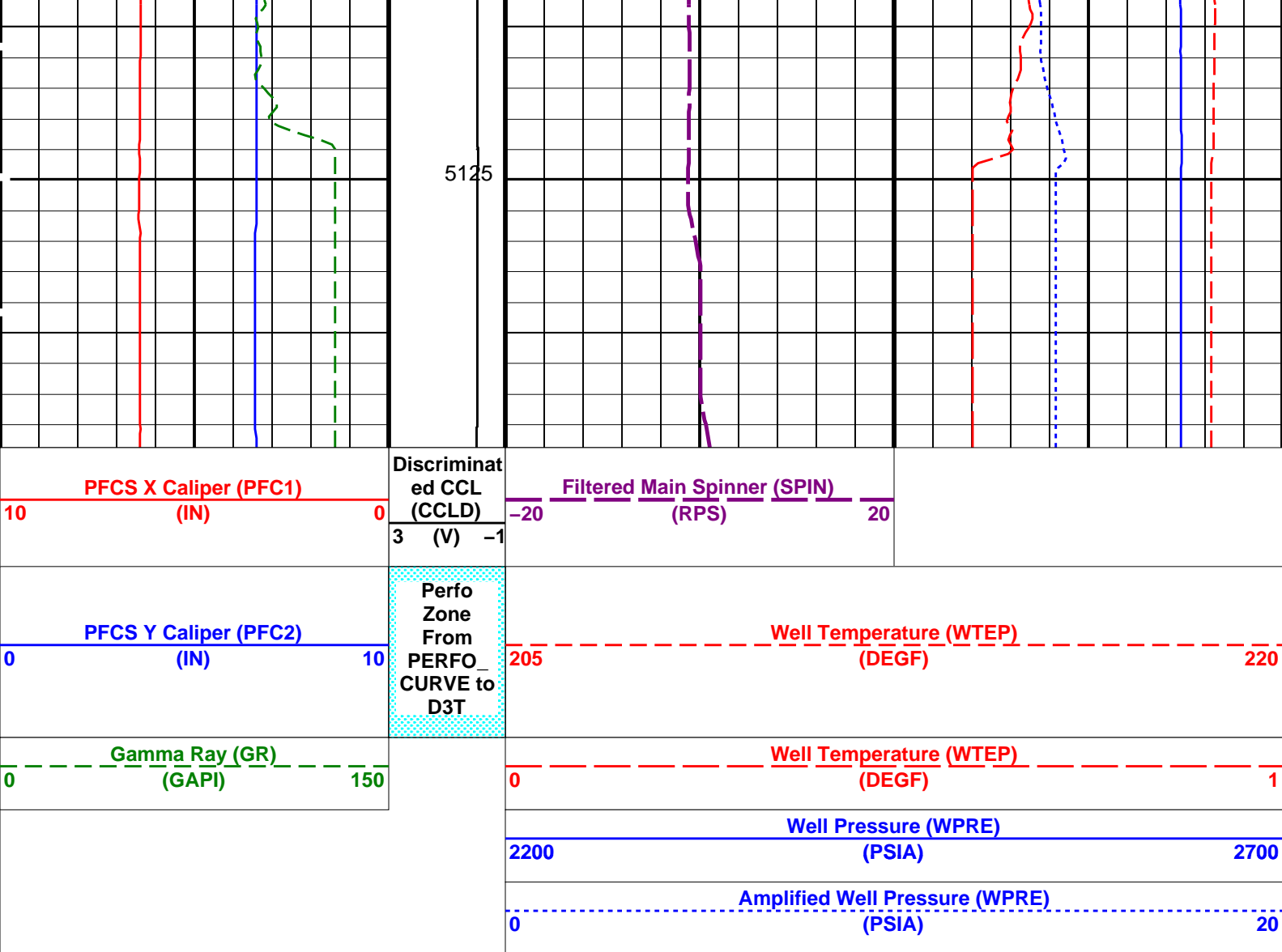












PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200

Graphics File Created: 23-Oct-2009 21:19

OP System Version: 17C0-154

PFCS-A	SRPC-3870_Q3_2009_OP17_V3	RST-C	SRPC-3870_Q3_2009_OP17_V3
PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

Parameters

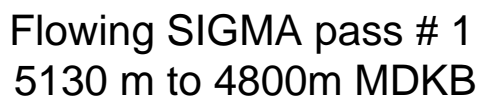
DLIS Name	Description	Value
PFCS-A	PSP Flow and caliper Tool	
AMOD	Spinner Filter Averaging Mode	LINEAR_AVERAGE
SDCF	Spinner Depth Constant Filter	6
SPIN	Main Spinner Flowmeter Sonde	PFCS-A_3.5
System and Miscellaneous		
DO	Depth Offset for Playback	0.3 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_045LUP	FN:49	PRODUCER	23-Oct-2009 19:15	5133.4 M	4759.1 M
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Output DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_048PUP	FN:52	PRODUCER	23-Oct-2009 21:19
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Company: Esso Australia Pty Ltd.

Well: A-11a

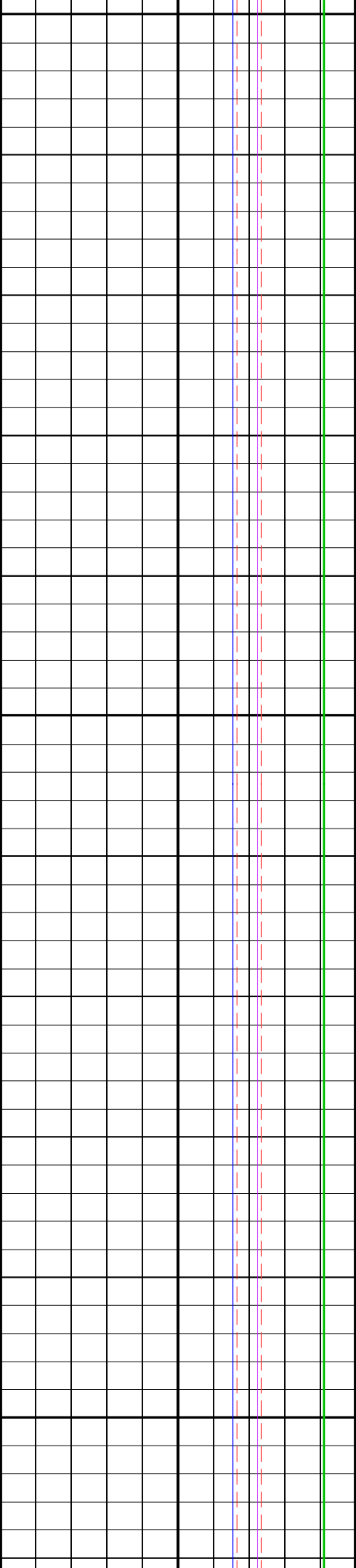
DEFAULT	FCS RST PSP PSTS 045LUP	FN:49	PRODUCER	23-Oct-2009 19:15	5133.4 M	4759.1 M
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DEFAULT	FCS RST PSP PSTS 048PUP	FN:52	PRODUCER	23-Oct-2009 21:19	5133.7 M	4719.7 M
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PFCS-A	SRPC-3870_Q3_2009_OP17_V3	RST-C	SRPC-3870_Q3_2009_OP17_V3
PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

Time Mark Every 60 S

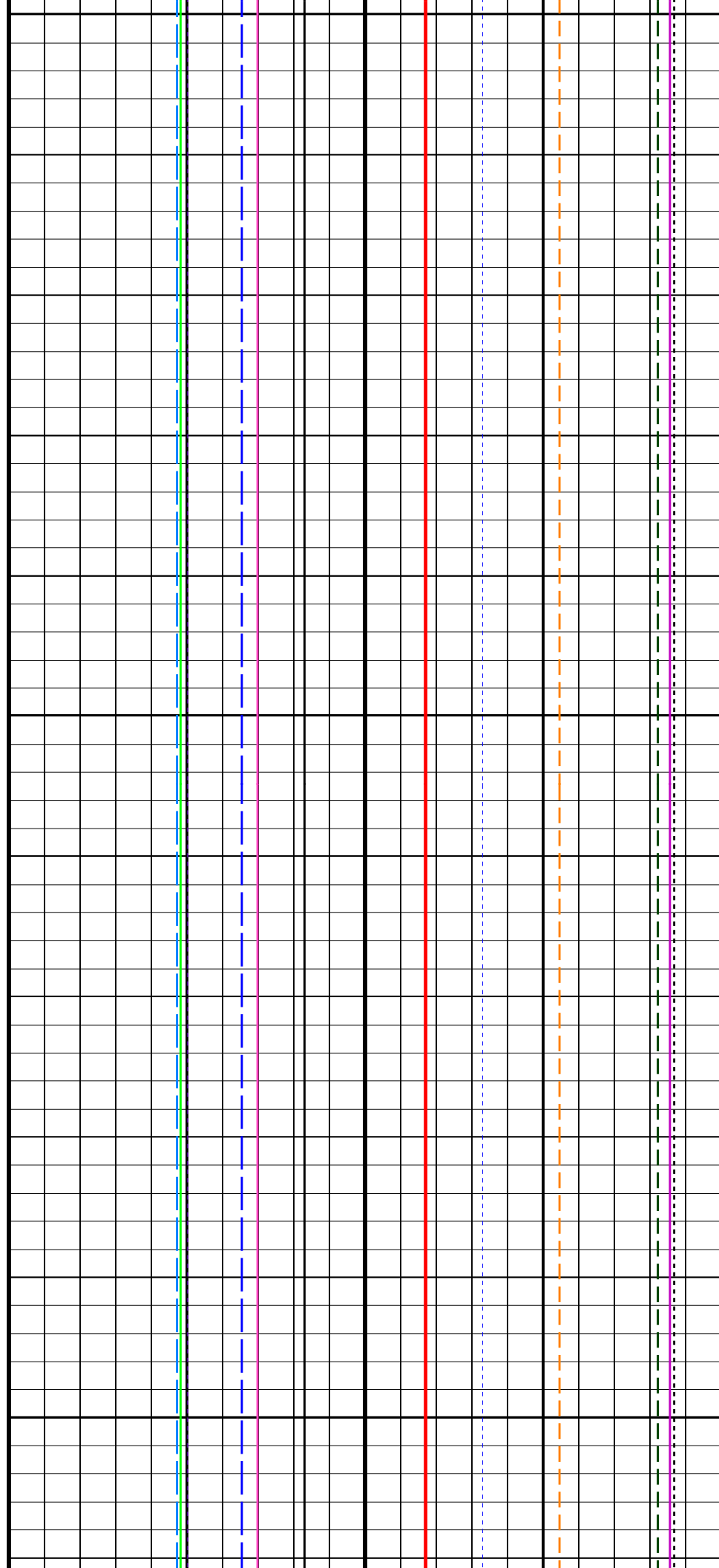
		RST Sigma (SIGM)	
		60	(CU)
		RST Weighted Inelastic Ratio (WINR_RST)	
		0.4	(----
RST Far Effective Capture CR (RSCF_RST)		RST Porosity (TPHI)	
		0.6	(V/V)
		RST Sigma Borehole Fluid (SIBF)	
		100	(CU)
RST Near Effective Capture CR (RSCN_RST)		Sigma Borehole Far Apparent (SBFA_FIL)	
		150	(CU)
		Tension (TENS)	
		0	(LBF)
RST Capture to Inelastic Ratio Far (CIRF_FIL)		RST Capture Ratio (TRAT_FIL)	
		1.5	(----
		Sigma Formation Far Apparent (SFFA_FIL)	
		60	(CU)
RST Capture to Inelastic Ratio Near (CIRN_FIL)		RST Sigma Difference (DSIG)	
		-30	(CU)
		MCS Far Background (filtered) (FBAC)	
		0	(CPS)
Gamma Ray (GR)		RST Borehole Salinity (BSAL)	
		450	(PPK)
		RST Inelastic Ratio (IRAT_FIL)	
		0.75	(----

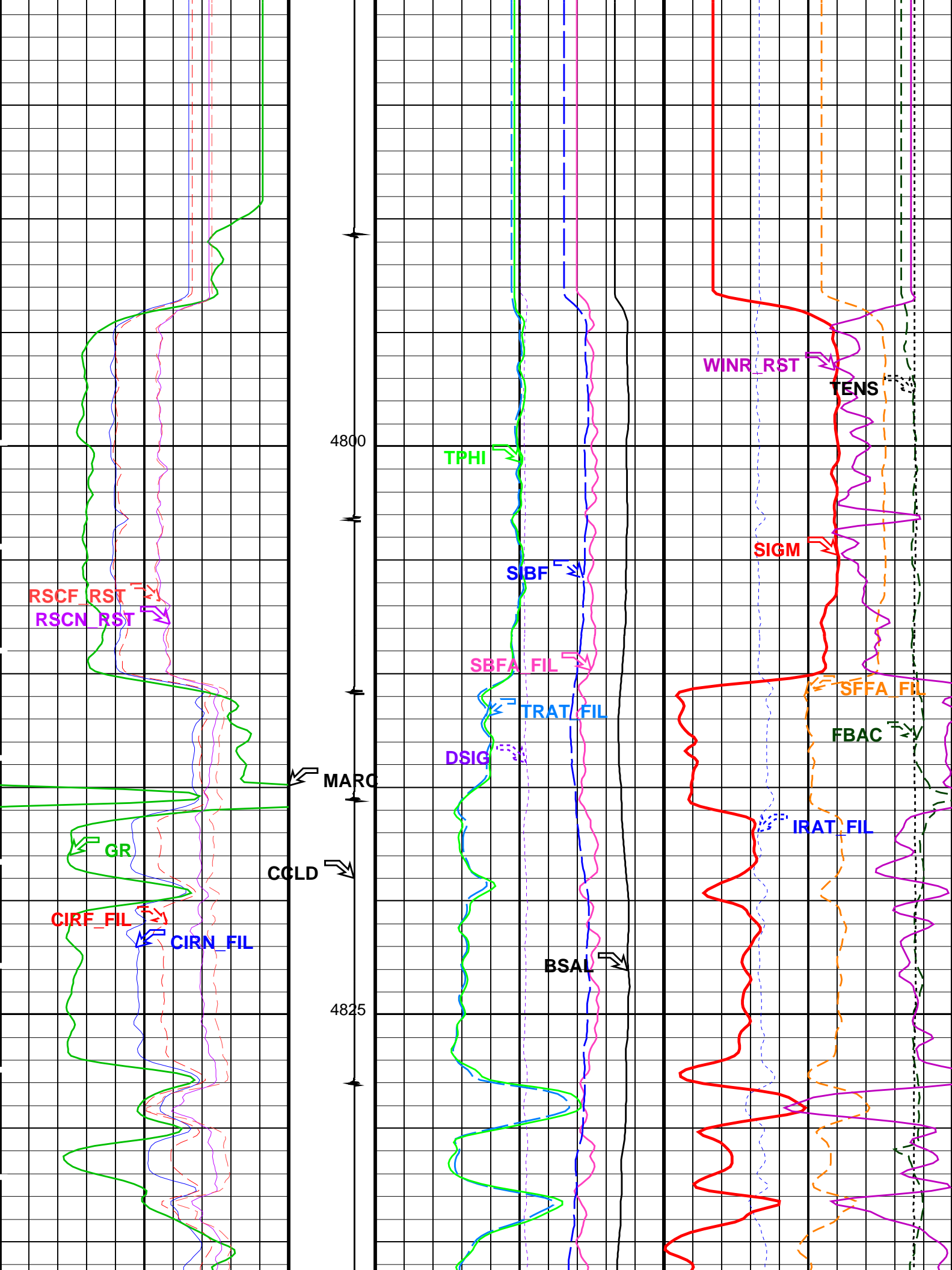


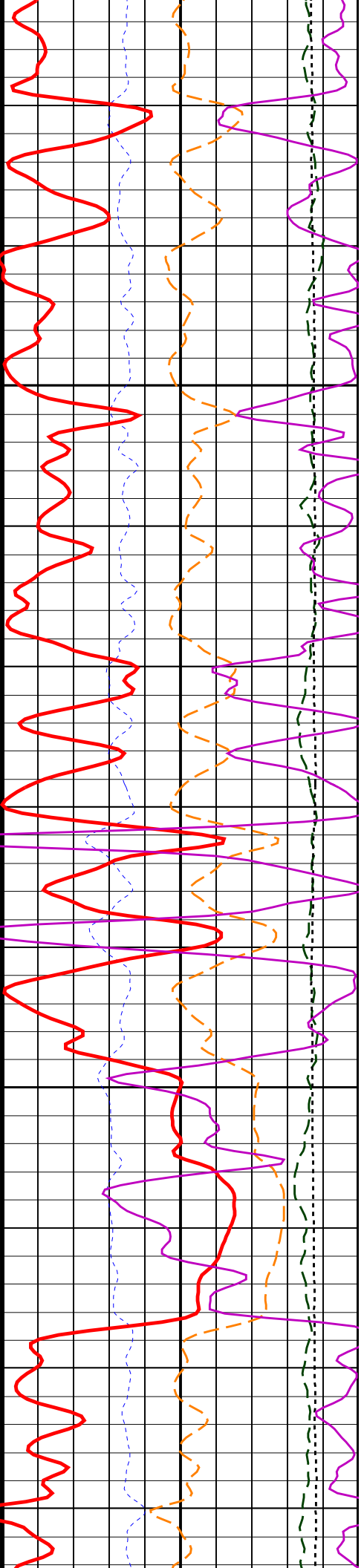
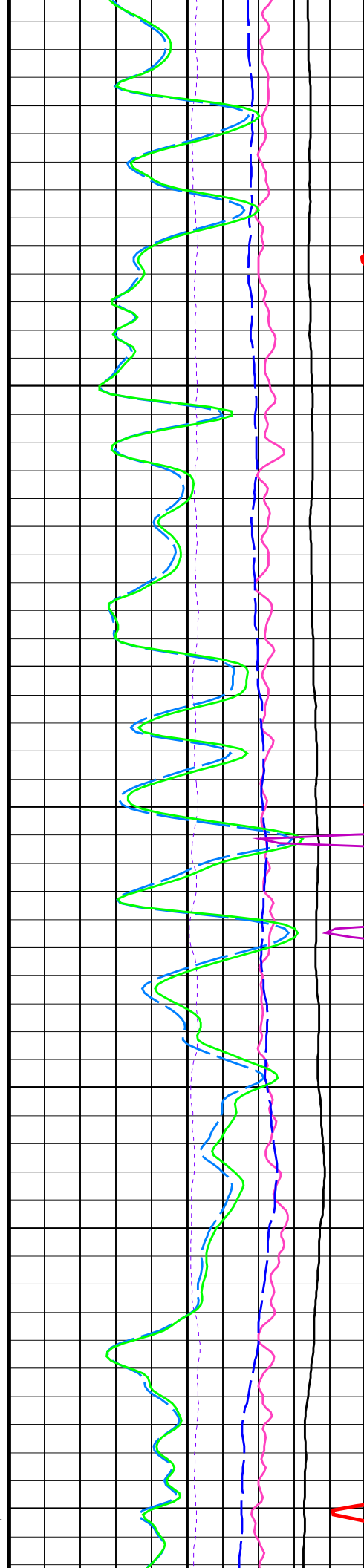
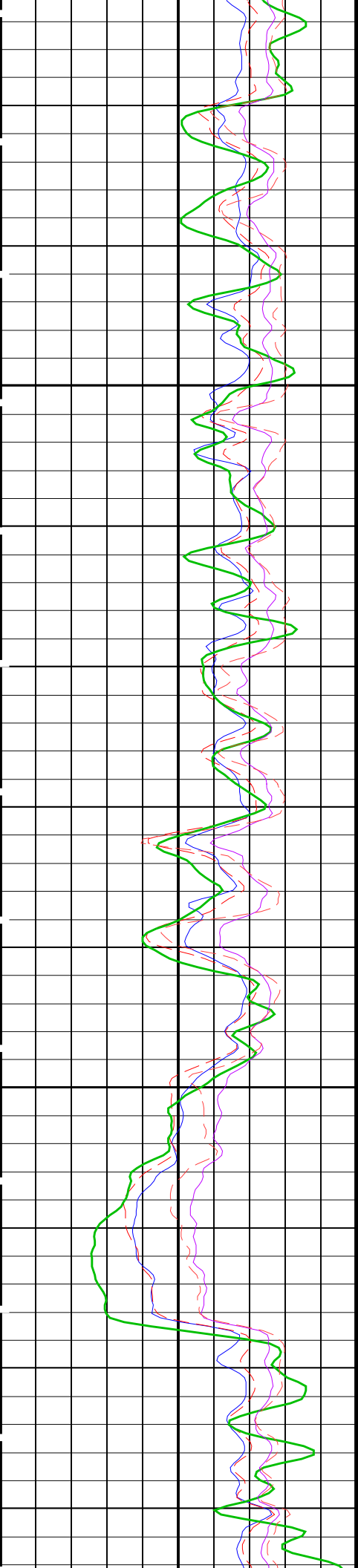
4725

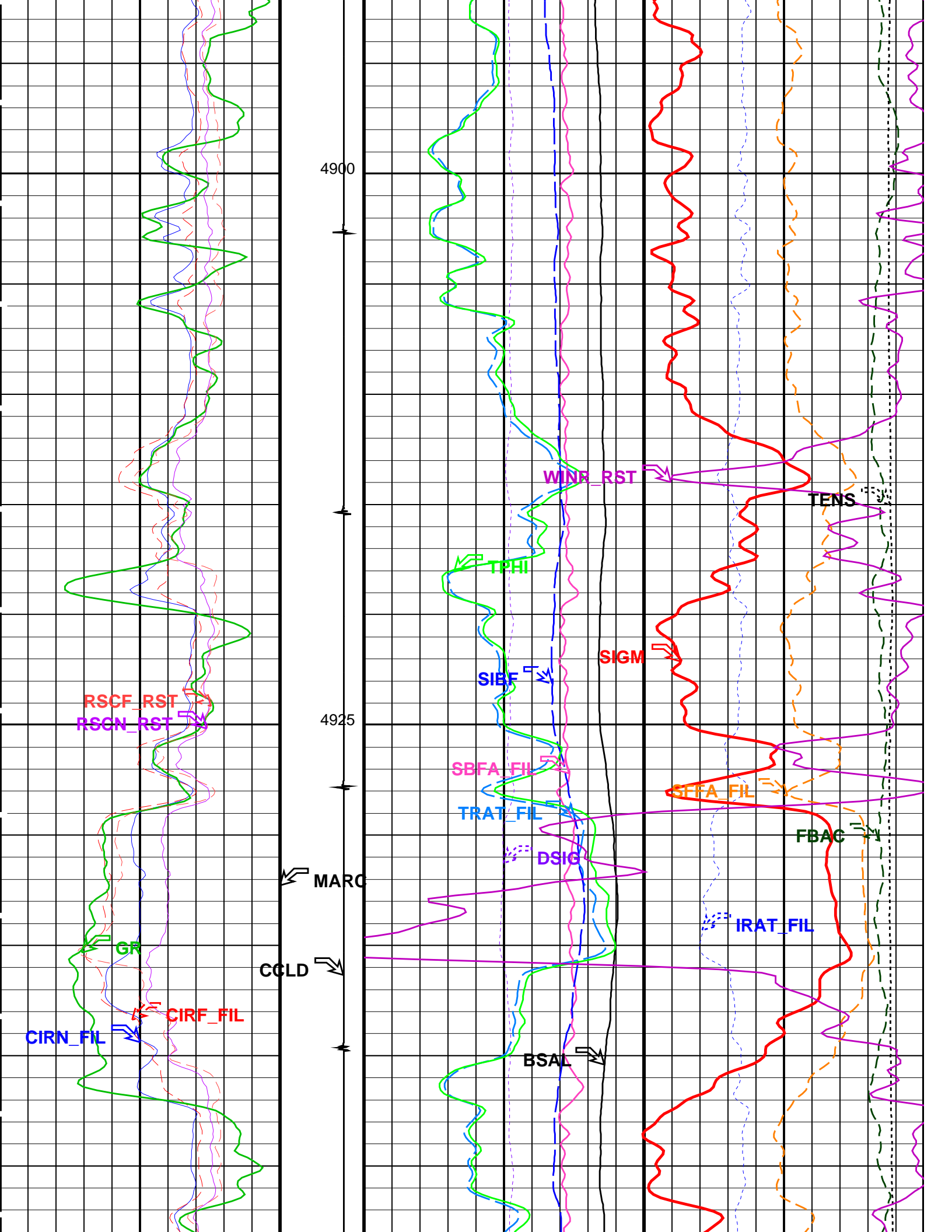
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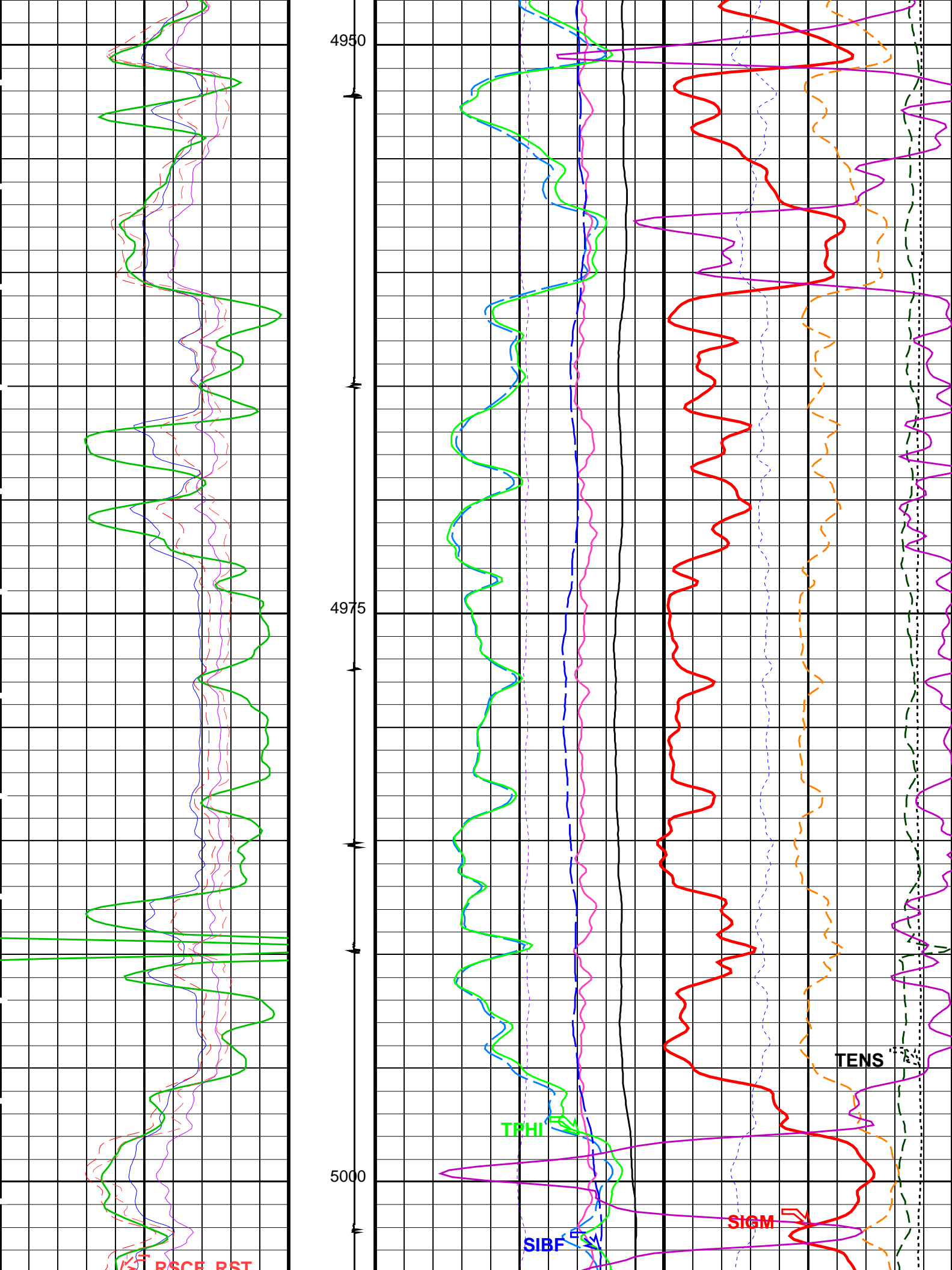
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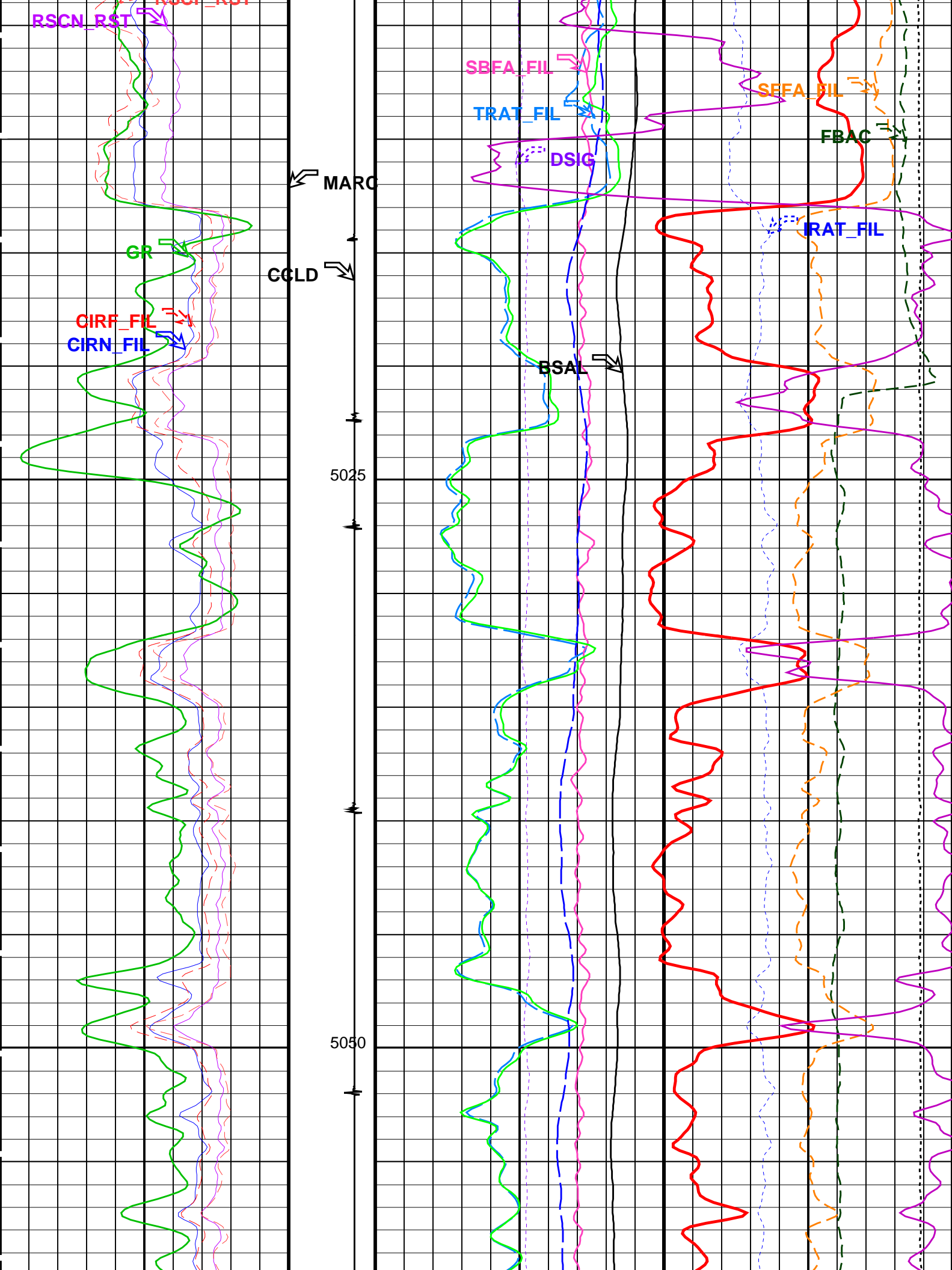


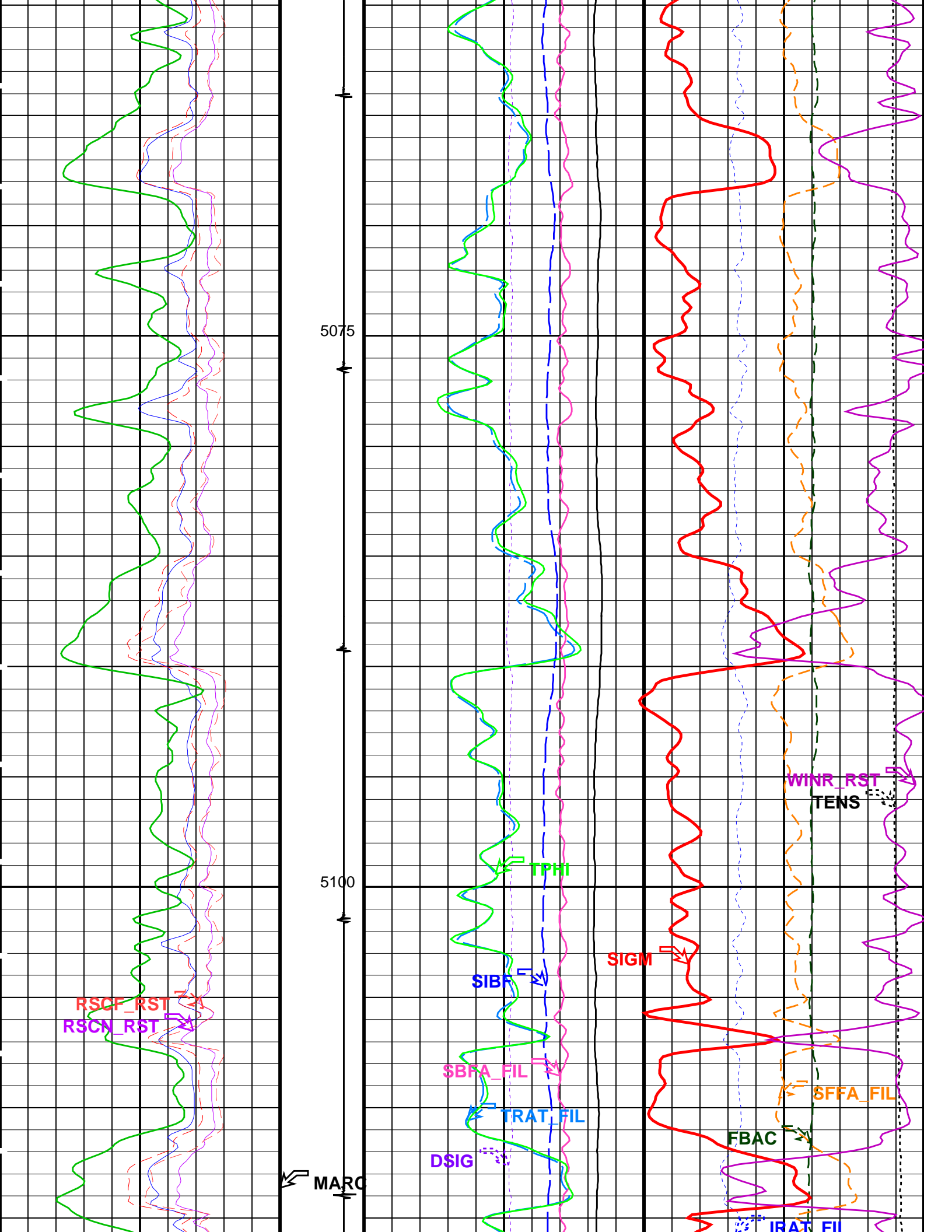


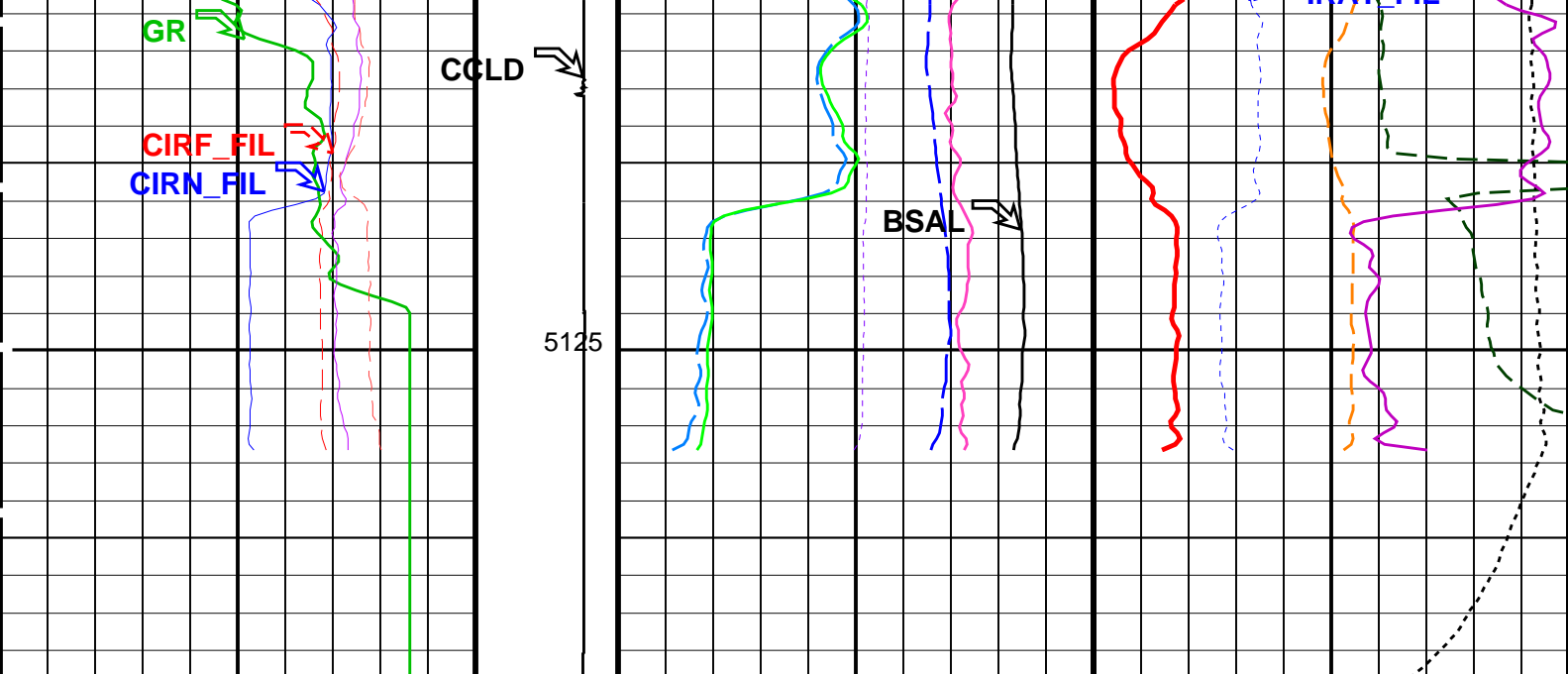












<div>Gamma Ray (GR) (GAPI)</div> <div>0150</div>	<div>Discriminat ed CCL (CCLD)</div> <div>3 (V) -1</div>	<div>RST Borehole Salinity (BSAL) (PPK)</div> <div>450-50</div>	<div>RST Inelastic Ratio (IRAT_FIL) (----</div> <div>0.750</div>
<div>RST Capture to Inelastic Ratio Near (CIRN_FIL)</div> <div>2.50</div>	<div>Minitron Arc Detection (MARC)</div> <div>0 (---- 5</div>	<div>RST Sigma Difference (DSIG) (CU)</div> <div>-3030</div>	<div>MCS Far Background (filtered) (FBAC) (CPS)</div> <div>05000</div>
<div>RST Capture to Inelastic Ratio Far (CIRF_FIL)</div> <div>50</div>		<div>RST Capture Ratio (TRAT_FIL) (----</div> <div>1.50.5</div>	<div>Sigma Formation Far Apparent (SFFA_ FIL) (CU)</div> <div>600</div>
<div>RST Near Effective Capture CR (RSCN_ RST)</div> <div>450</div>		<div>Sigma Borehole Far Apparent (SBFA_ FIL) (CU)</div> <div>1500</div>	<div>Tension (TENS) (LBF)</div> <div>03000</div>
<div>RST Far Effective Capture CR (RSCF_ RST)</div> <div>450</div>		<div>RST Sigma Borehole Fluid (SIBF) (CU)</div> <div>1000</div>	
		<div>RST Porosity (TPHI) (V/V)</div> <div>0.60</div>	
		<div>RST Weighted Inelastic Ratio (WINR_RST) (----</div> <div>0.40</div>	
		<div>RST Sigma (SIGM) (CU)</div> <div>600</div>	

PIP SUMMARY

Time Mark Every 60 S

Parameters


DLIS Name	Description	Value
RST-C: Reservoir Saturation Pro Tool C		
AIRB	RST Air Borehole	No
BHS	Borehole Status	CASED
BSALOPT	RST Borehole Salinity Option	Unknown
BSFL	RST Borehole Salinity Filter Length	51
DFPC	RST Depth Filter Processing Constant	One
DFPC_TDTL	RST Depth Filter Processing Constant (TDT-like)	Two
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE
NORM_IRAT_RST	RST Normalized Inelastic Ratio	0.48
NORM_SIGM_RST	RST Normalized Sigma	30
RGAL	Near/Far Gain Calibration Ratio	1
		CU

ROAI	Near/ Far Gain Calibration Ratio	0_RST_Sigma	
TIER_SIGM	RST Sigma Acquisition Mode		
	PSTE: Production Services Tractor Tool – Slim		
BHS	Borehole Status	CASED	
MATR	Rock Matrix for Neutron Porosity Corrections	SANDSTONE	
	System and Miscellaneous		
BS	Bit Size	7.656	IN
BSAL	Borehole Salinity	-50000.00	PPM
CSIZ	Current Casing Size	7.000	IN
CWEI	Casing Weight	26.00	LB/F
DO	Depth Offset for Playback	0.3	M
PP	Playback Processing	NORMAL	

Format: RST_SIG_ANSW
Vertical Scale: 1:200
Graphics File Created: 23-Oct-2009 21:19

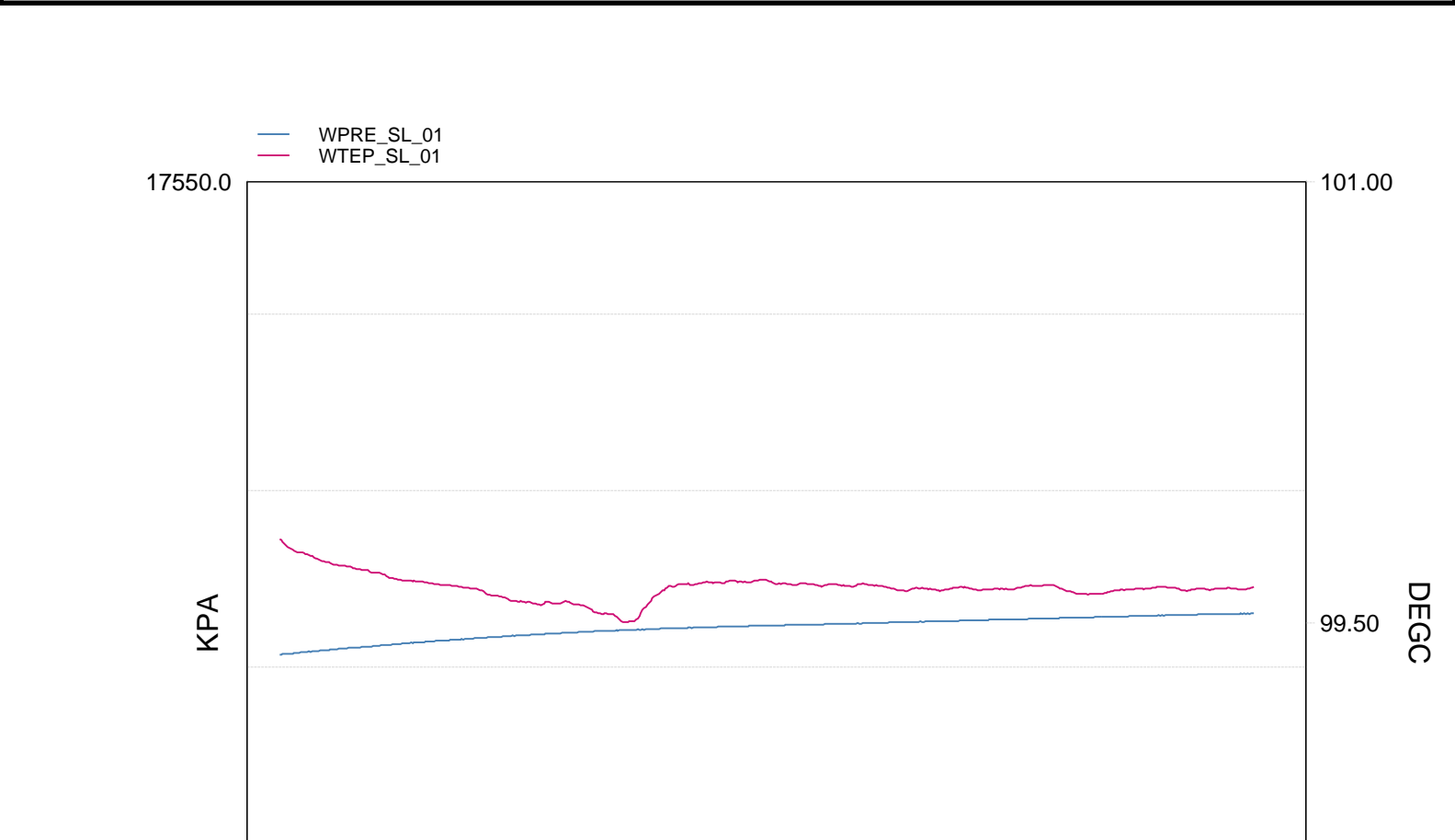
OP System Version: 17C0-154			
PFCS-A	SRPC-3870_Q3_2009_OP17_V3	RST-C	SRPC-3870_Q3_2009_OP17_V3
PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

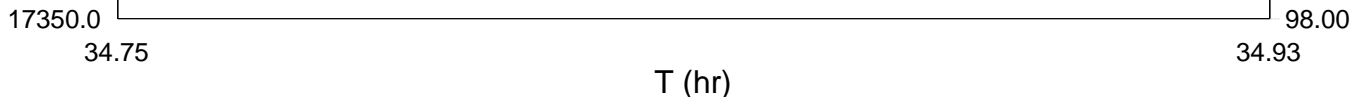
Input DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_045LUP	FN:49	PRODUCER	23-Oct-2009 19:15	5133.4 M	4759.1 M
Output DLIS Files						
DEFAULT	FCS_RST_PSP_PSTS_048PUP	FN:52	PRODUCER	23-Oct-2009 21:19		



Static Station @ 5021m MDKB

MAXIS Field Log





TIME	DEGF	PSIA
53500.0	211.6139	2529.8570
53550.0	211.4293	2530.1003
53600.0	211.3365	2530.3225
53650.0	211.2319	2530.5012
53700.0	211.1543	2530.6426
53750.0	211.3394	2530.7457
53800.0	211.3594	2530.8230
53850.0	211.3253	2530.8848
53900.0	211.3062	2530.9595
53950.0	211.3086	2531.0323
54000.0	211.2781	2531.1040
54050.0	211.3089	2531.1680



Static SIGMA Pass # 1

MAXIS Field Log

Company: Esso Australia Pty Ltd. Well: A-11a

Input DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_034LUP	FN:31	PRODUCER	23-Oct-2009 09:09	5145.3 M	4715.6 M
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Output DLIS Files

DEFAULT	FCS_RST_PSP_PSTS_038PUP	FN:38	PRODUCER	23-Oct-2009 11:01	5145.8 M	4676.2 M
CUSTOMER	FCS_RST_PSP_PSTS_038PUC	FN:39	CUSTOMER	23-Oct-2009 11:01	5145.8 M	4676.2 M

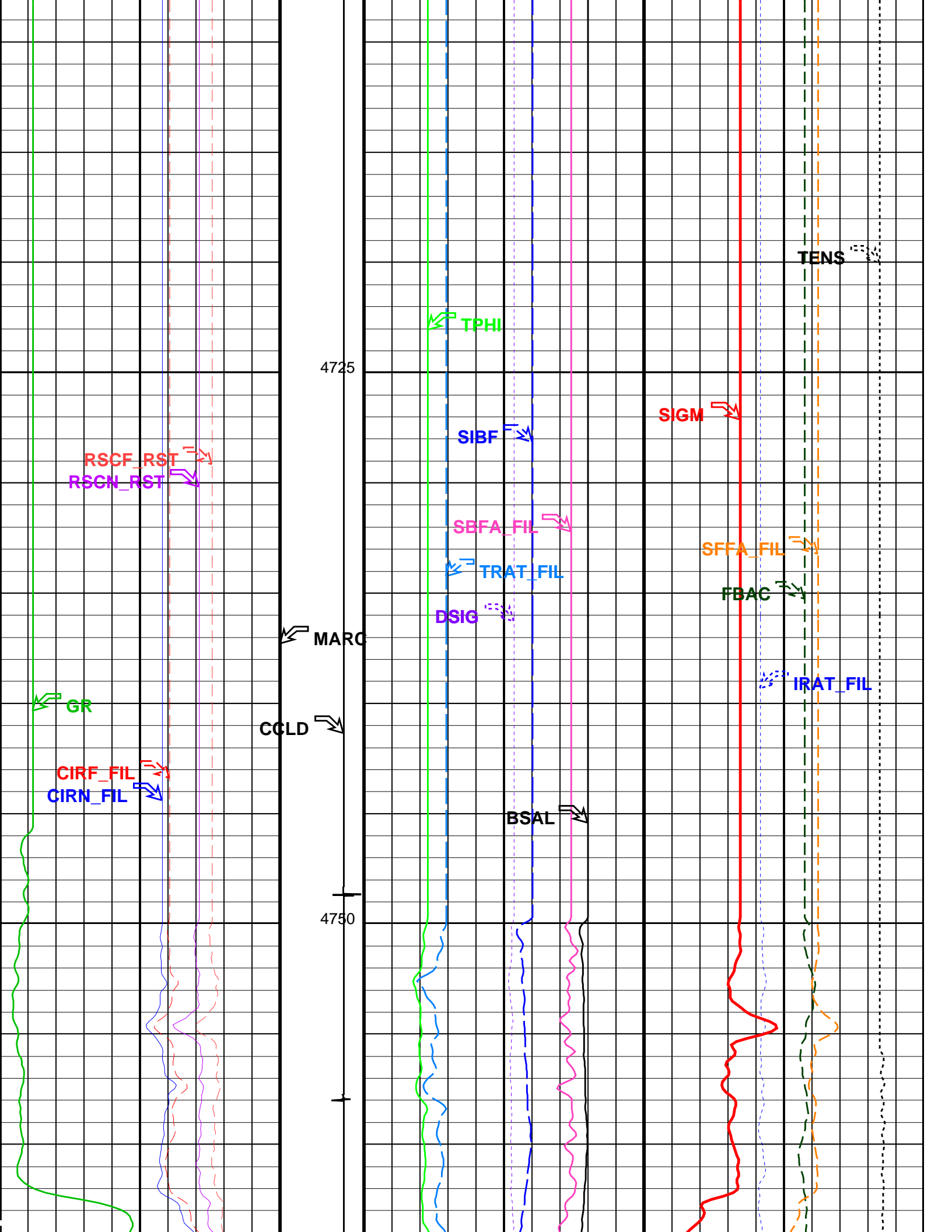
OP System Version: 17C0-154

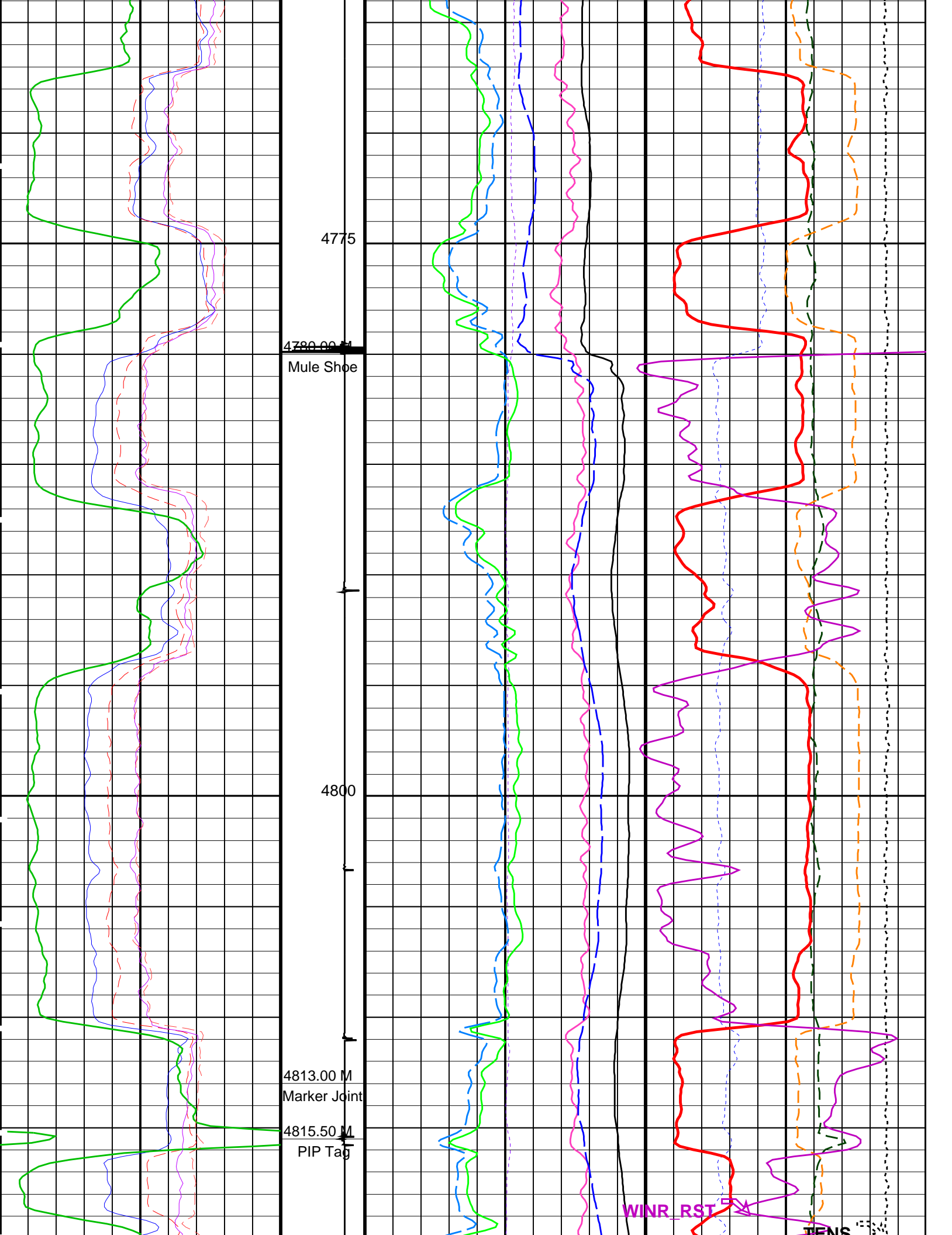
PFCS-A	SRPC-3870_Q3_2009_OP17_V3	RST-C	SRPC-3870_Q3_2009_OP17_V3
PBMS-T	SRPC-3870_Q3_2009_OP17_V3	PSTS-S1	SRPC-3870_Q3_2009_OP17_V3
PSTS-S2	SRPC-3870_Q3_2009_OP17_V3	PSTE	SRPC-3870_Q3_2009_OP17_V3

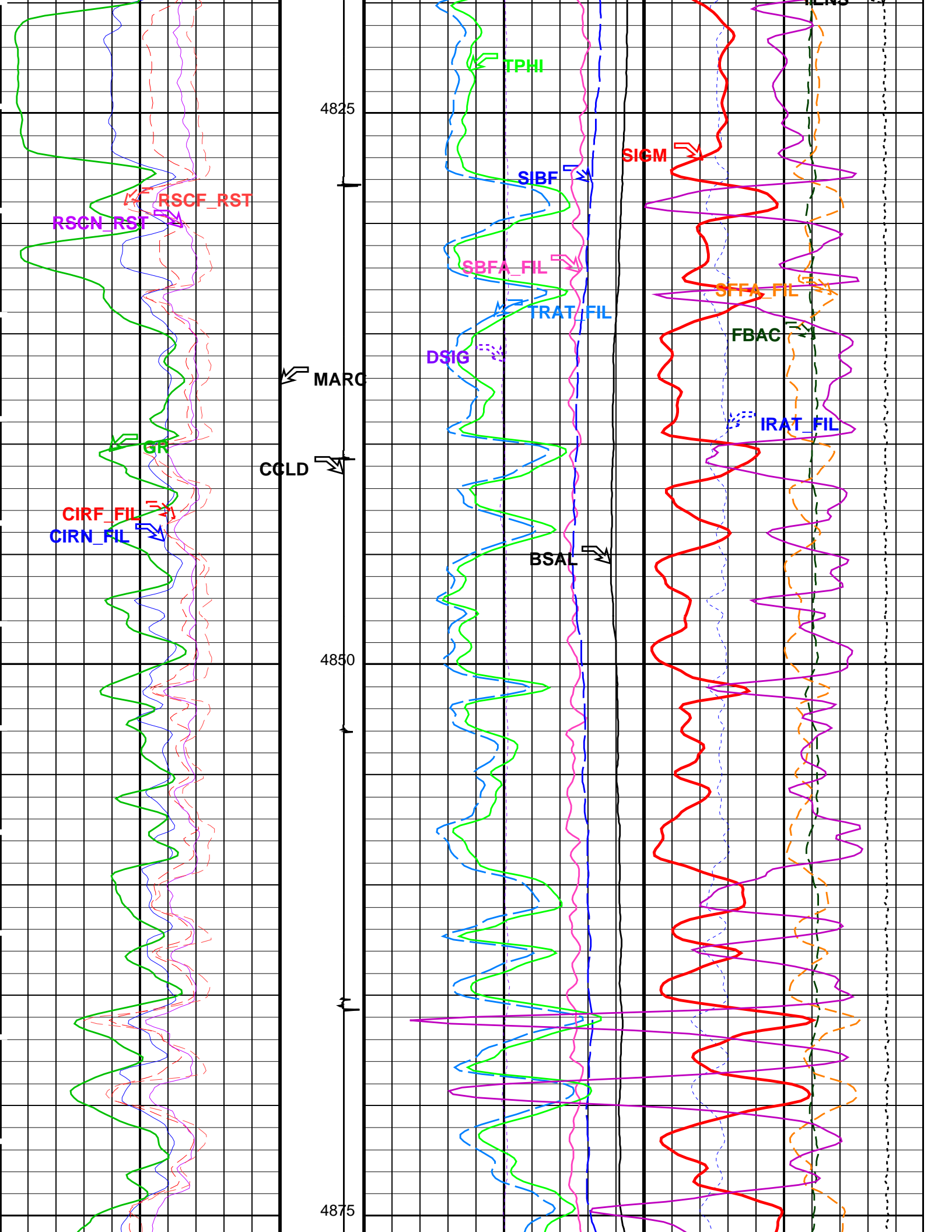
PIP SUMMARY

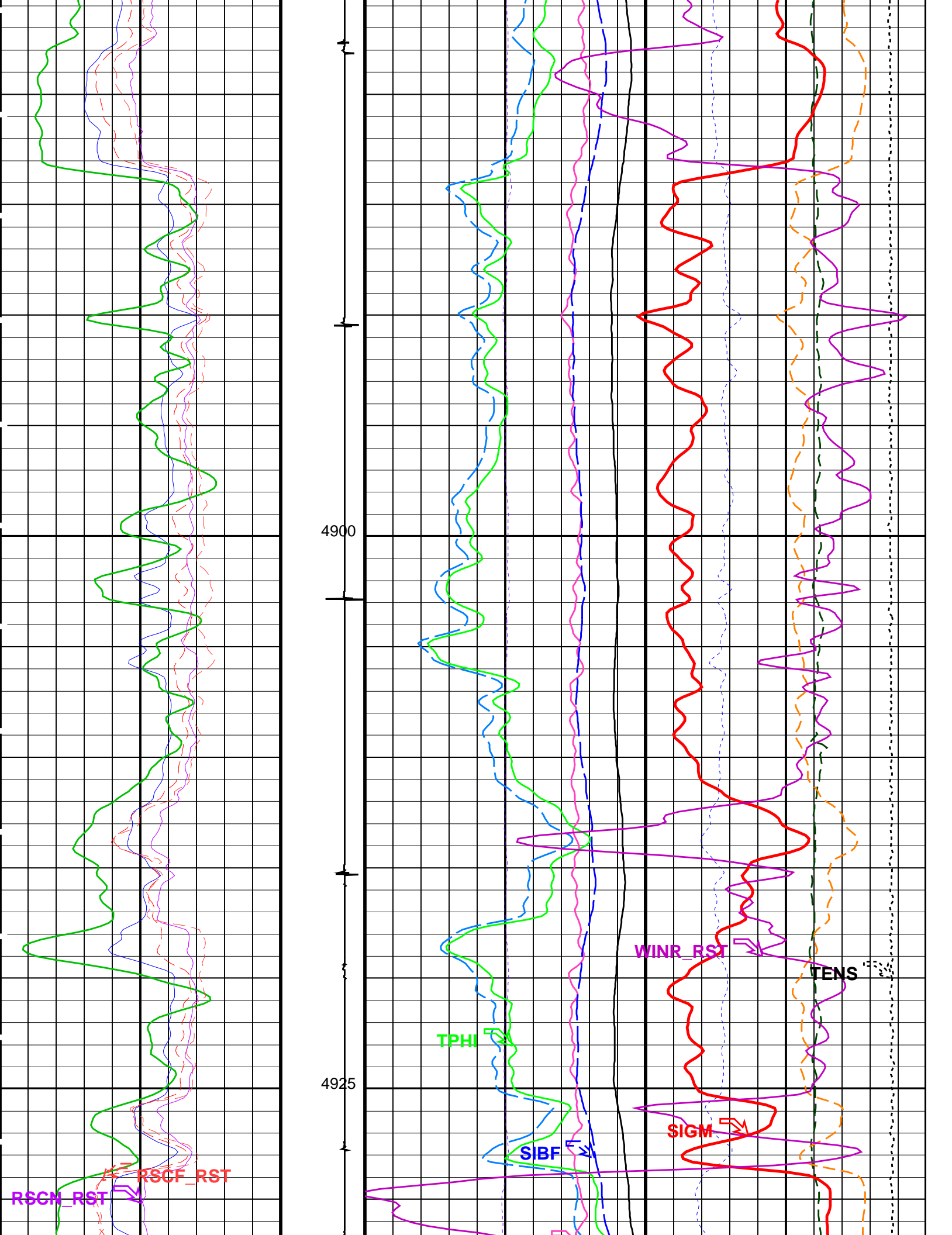
Time Mark Every 60 S

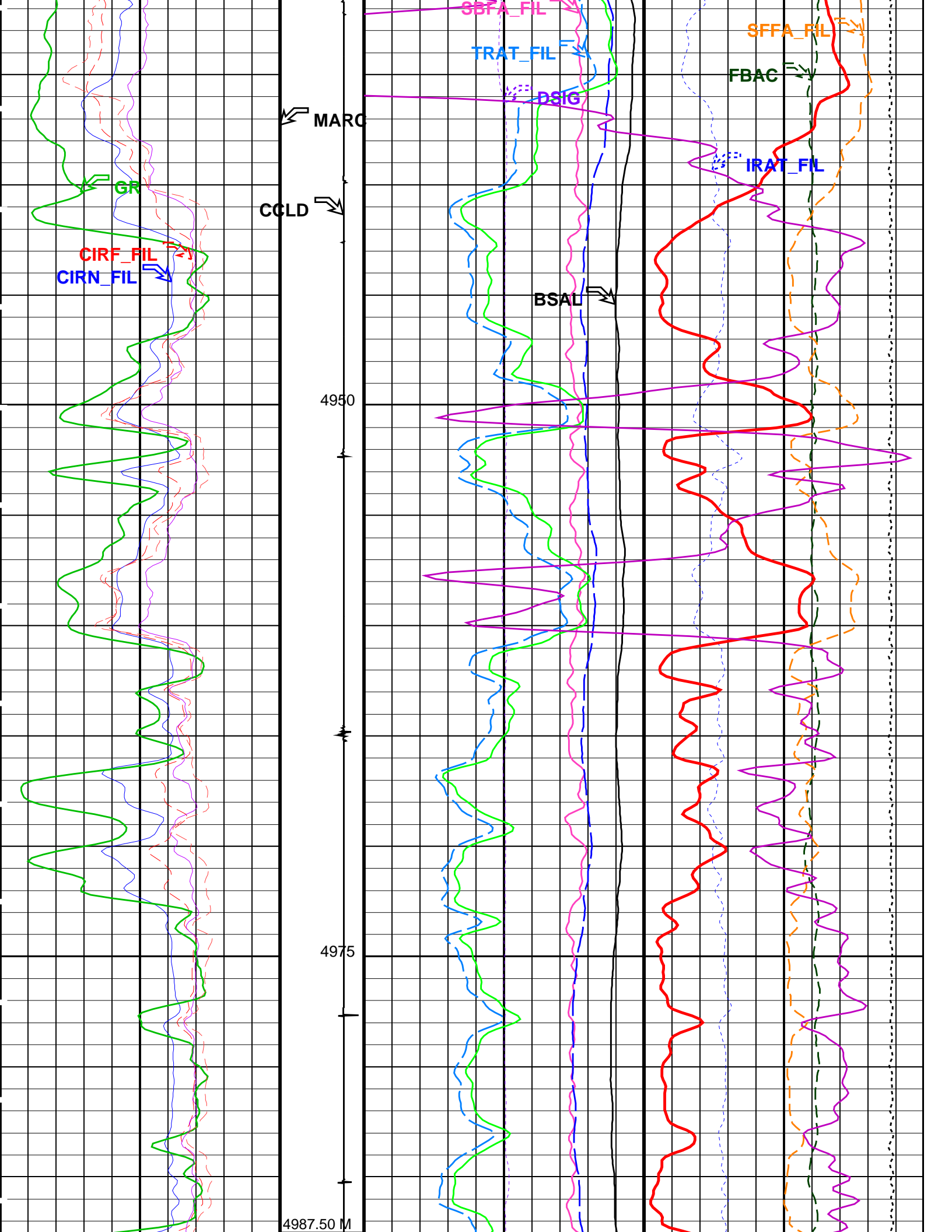
RST Sigma (SIGM)

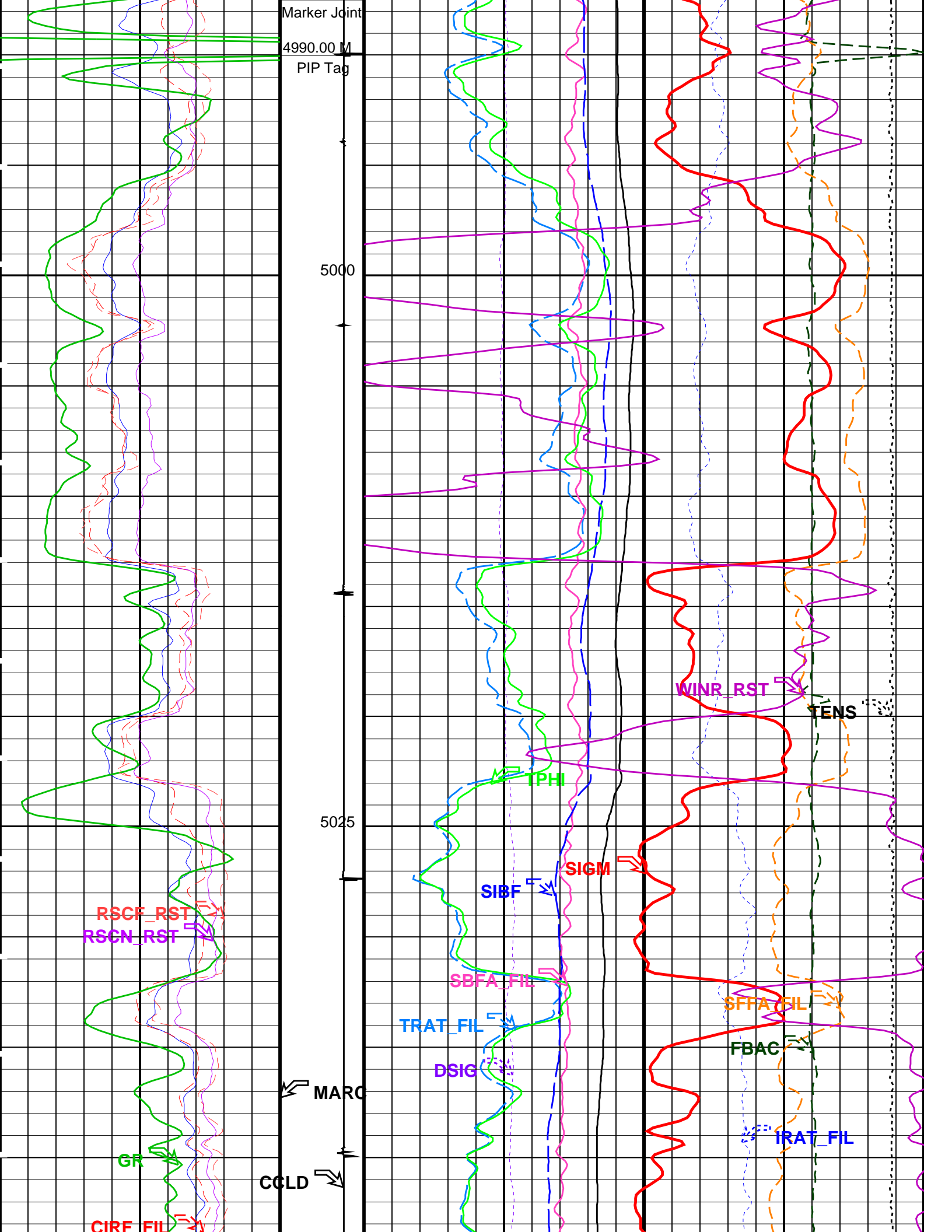


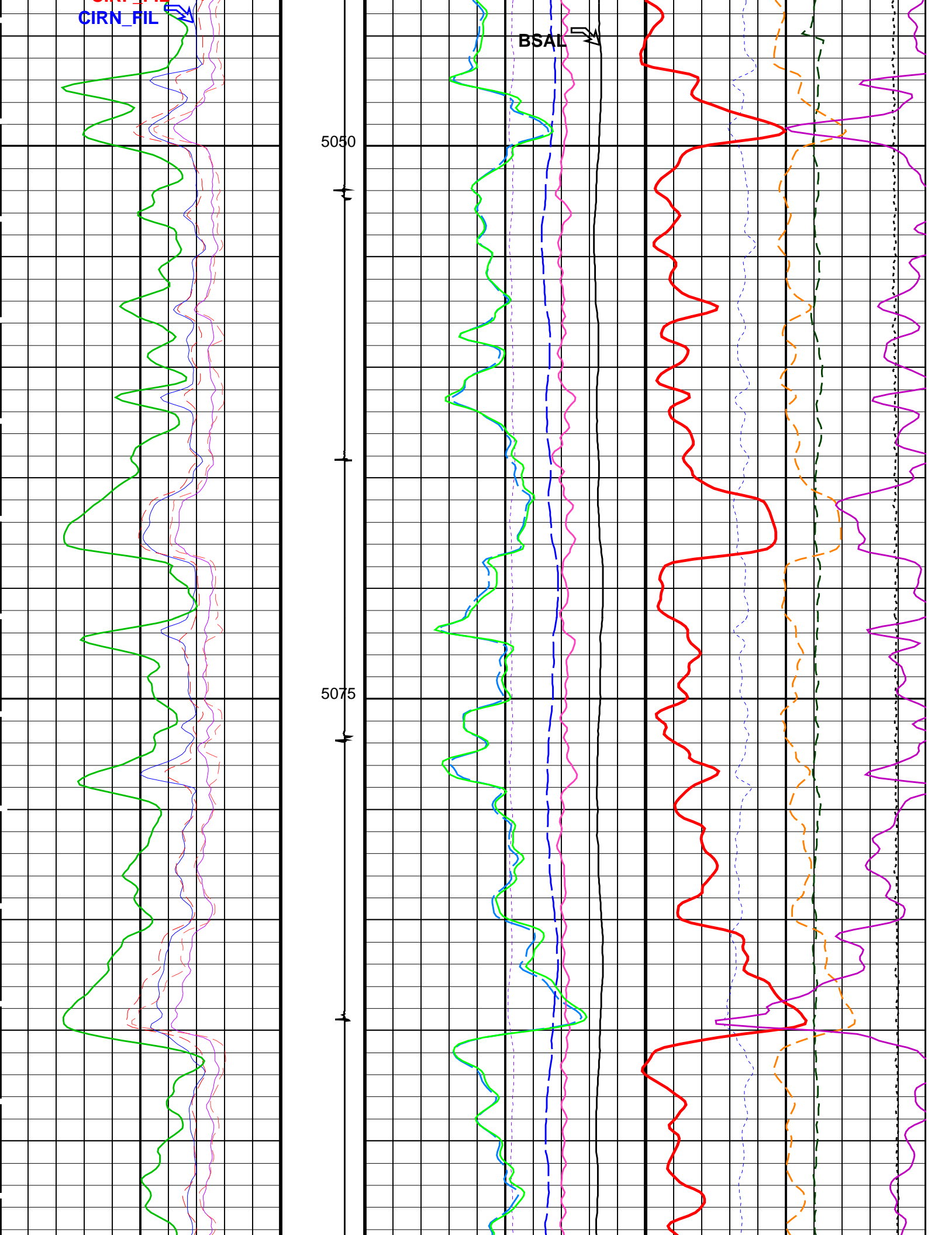


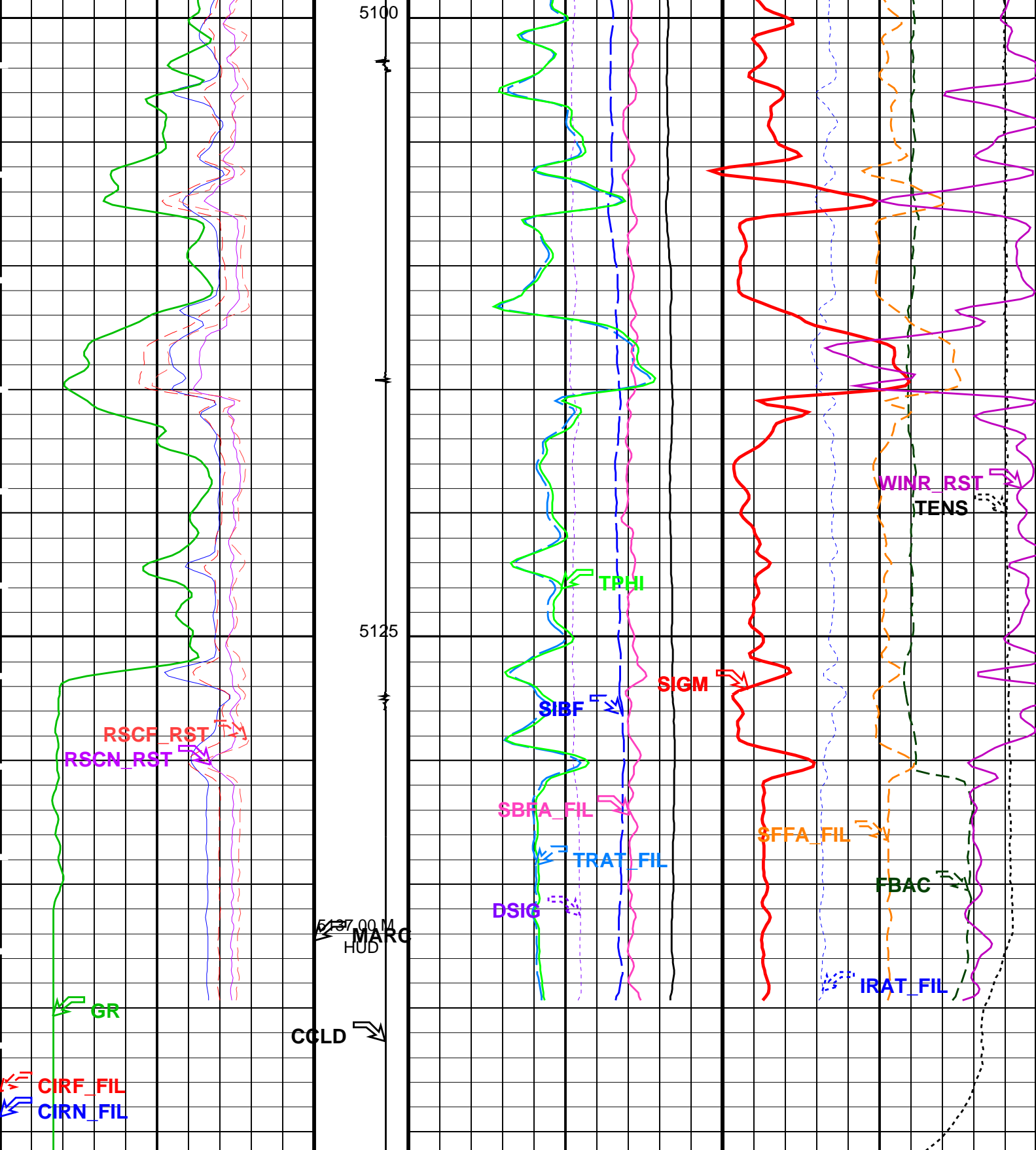












<div>Gamma Ray (GR) (GAPI)</div> <div>0150</div>	<div>Discriminat ed CCL (CCLD) (V)</div> <div>3-1</div>	<div>RST Borehole Salinity (BSAL) (PPK)</div> <div>450-50</div>	<div>RST Inelastic Ratio (IRAT_FIL) (----</div> <div>0.750</div>
<div>RST Capture to Inelastic Ratio Near (CIRN_FIL) (----</div> <div>2.50</div>	<div>Minitron Arc Detection (MARC) (----</div> <div>05</div>	<div>RST Sigma Difference (DSIG) (CU)</div> <div>-3030</div>	<div>MCS Far Background (filtered) (FBAC) (CPS)</div> <div>05000</div>
<div>RST Capture to Inelastic Ratio Far (CIRF_FIL) (----</div> <div>0</div>		<div>RST Capture Ratio (TRAT_FIL) (----</div> <div>0</div>	<div>Sigma Formation Far Apparent (SFFA) (CPS)</div> <div>0</div>

MAXIS Field Log

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
PSP Flow and caliper Tool Wellsite Calibration – PFCS Caliper Calibration							
Before: 21–Oct–2009 15:58							
PFCS CaliperX Small Ring	5.500	N/A	5.459	N/A	N/A	N/A	IN
PFCS CaliperX Large Ring	8.000	N/A	8.035	N/A	N/A	N/A	IN
PFCS CaliperY Small Ring	5.500	N/A	5.459	N/A	N/A	N/A	IN
PFCS CaliperY Large Ring	8.000	N/A	8.110	N/A	N/A	N/A	IN

PSP Flow and caliper Tool / Equipment Identification

Primary Equipment:





PFCS Cartridge	PFCC – A
PFCS Caliper	Cali –
PFCS Relative Bearing	Rela –
PFCS 3.5 Spinner Diameter	Spin –
PFCS Fluid Holdup Electric Probes	Hold –

Auxiliary Equipment:

PFCS Cartridge Housing	PFCH – A
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PSP Flow and caliper Tool Wellsite Calibration

PFCS Caliper Calibration

Phase	PFCS CaliperX Small Ring IN	Value	Phase	PFCS CaliperX Large Ring IN	Value	Phase	PFCS CaliperY Small Ring IN	Value
Before		5.459	Before		8.035	Before		5.459
N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)	N/A (Minimum)	8.000 (Nominal)	N/A (Maximum)	N/A (Minimum)	5.500 (Nominal)	N/A (Maximum)
Phase	PFCS CaliperY Large Ring IN	Value						
Before		8.110						
N/A (Minimum)	8.000 (Nominal)	N/A (Maximum)						

Before: 21–Oct–2009 15:58

Company: **Esso Australia Pty Ltd.****Schlumberger**Well: **A–11a**Field: **Snapper**Rig: **Snapper / Prod 4**Country: **Australia**

Max–Trac RST–C Static & Flowing

