Schlumberger

Company: **Esso Australia Ltd**

Well: **FTA−A23**
Field: **Fortescue**
Rig: **Prod 4 / Crane** Country: **Australia**

MaxTRAC−FSI
Static & Flowing Survey
14−Aug−2009

Rig: Prod 4 / Crane
Field: Fortescue
Location: Gippsland
Well: FTA−A23
Company: Esso Australia Ltd

LOCATION

Gippsland	Elev.:	K.B.	39.60 m
Basin		G.L.	69.00 m
Bass Strait		D.F.	39.60 m

Permanent Datum:	M.S.L	Elev.:	0.00 m
Log Measured From:	D.F	39.60 m	above Perm. Datum
Drilling Measured From:	D.F		

State:	Max. Well Deviation	Longitude	Latitude
Victoria	93 deg	148 16 36.62 E	038 24 31.39 S

Logging Date		14−Aug−2009					
Run Number		1&2					
Depth Driller		3680 m					
Schlumberger Depth		3450 m					
Bottom Log Interval		3430 m					
Top Log Interval		3120 m					
Casing Fluid Type		Production Fluid					
Salinity							
Density		1.00654 g/cm3					
Fluid Level							
BIT/CASING/TUBING STRING							
Bit Size		8.500 in					
From		3145 m					
To		3686 m					
Casing/Tubing Size		4.500 in					
Weight		12.6 lbm/ft					
Grade		L−80					
From		18.7 m					
To		3680 m					
Maximum Recorded Temperatures		107 degC					
Logger On Bottom	Time	14−Aug−2009	14:09				
Unit Number	Location	889	Prod 4 / Crane				
Recorded By		S. Gilbert, O Darby , D Hewetson					
Witnessed By		D Broomfield , J Dejiovannny					

		Run 1	Run 2	R
PVT DATA	Oil Density			
	Water Salinity			
	Gas Gravity			
	Bo			
	Bw			
	1/Bg			
	Bubble Point Pressure			
	Bubble Point Temperature			
	Solution GOR			
	Maximum Deviation	93 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	Time						
Unit Number	Location						
Recorded By							
Witnessed By							

Run 3

Run 4

DEPTH SUMMARY LISTING

Depth System Equipment

Date Created: 10−AUG−2009 16:24:51

Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW−EB	Type:	PSDS/OSDS	Type:	2−32ZT
Serial Number:	6373	Serial Number:	325357	Serial Number:	207308
Calibration Date:	2−Dec−2008	Calibration Date:	20−Jul_2009	Length:	5100 M
Calibrator Serial Number:	30	Calibrator Serial Number:	1174	Conveyance Method:	Wireline
Calibration Cable Type:	2−23ZT	Number of Calibration Points:	10	Rig Type:	Offshore Fixed
Wheel Correction 1:	−1	Calibration RMS:	10		
Wheel Correction 2:	−2	Calibration Peak Error:	19		

Depth Control Parameters

Log Sequence: Subsequent Log In the Well

Reference Log Name: Solar Composite log

Reference Log Run Number: Not provided

Depth Control Remarks

1. All Schlumberger Depth procedures followed.
2. IDW used as primary depth reference. Z chart used as secondary
3. CMTD used as primary tension device
4. .
5.
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	OTHER SERVICES2
OS1: MaxTRAC / MPBT	OS1:
OS2:	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Log Correlated to Solar Composite Log Provided with Wireline Program.	
Objective:	
Make up MaxTRAC / FSI toolstring, RIH, conduct FSI spinnner calibration passes	
as required. RIH until the toolstring holds up activate MaxTRAC and continute to	
RIH. Conduct 1 static lod pass over the interval 3120m − 3430m MDKB, position	
toolstring @ 3430m conduct station log while flowing the well, wait until the	

well has stable flow and conduct the flowing passes, up @ 10m/min, down @10m/min
up @ 30m/min, down @ 5m/min and up @ 20m/min. POOH

Note: There was some diffculty in achiving the correct cable / tool speeds for
the down passes.

SLB Crew: N Simmons , D Halsted (Day's)
J Light , J Annear (Nights)
All Depth are MDKB

RUN 1			RUN 2		
SERVICE ORDER #:		B297−00012	SERVICE ORDER #:		
PROGRAM VERSION:		17C0−154	PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

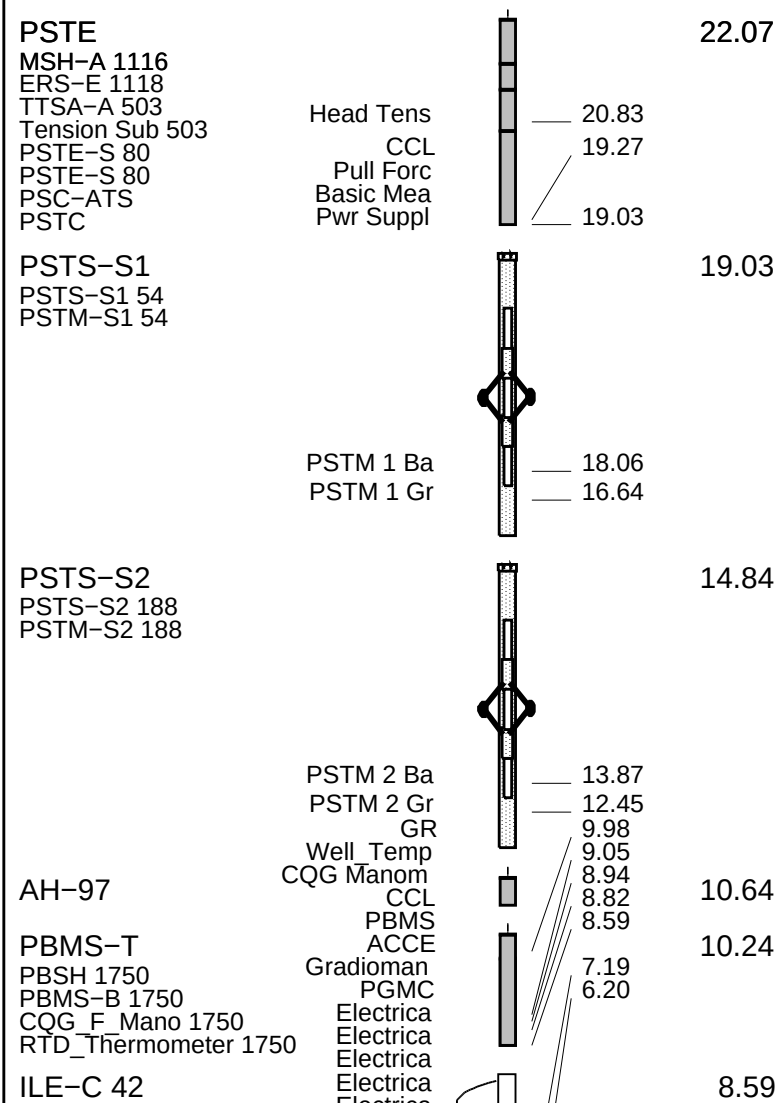
EQUIPMENT DESCRIPTION

RUN 1 | RUN 2

SURFACE EQUIPMENT

PSTD−B 95
WITM−A 3576
PSC_16MHZ

DOWNHOLE EQUIPMENT



ILE−C 42

Electrica
Electrica
Optical P

PGMC−B
PGMC−B 909
Accelero 1937
PSOI_Gradio 1937

Optical P
Optical P
Optical P
Optical P
Optical P
Optical P

7.65

FSIT−B
Electrical Probes 773
Optical Probes 773
Flowmeter Probes 773
Relative Bearing 773
Caliper 773
FSIH−A 773
Cartridge 773
FSIS−A 773

Spinner 4
Spinner 3
Spinner 2
Spinner 1
Spinner 0
Relative
Caliper
Cartridge

6.20

3.74

FSIM−AB
FSMH−AB 773
FSMC 773

2.88

Cartridge

1.36

ILE−C 41
ILE−C 41

0.98

Tension HV

0.00

AH−BNS

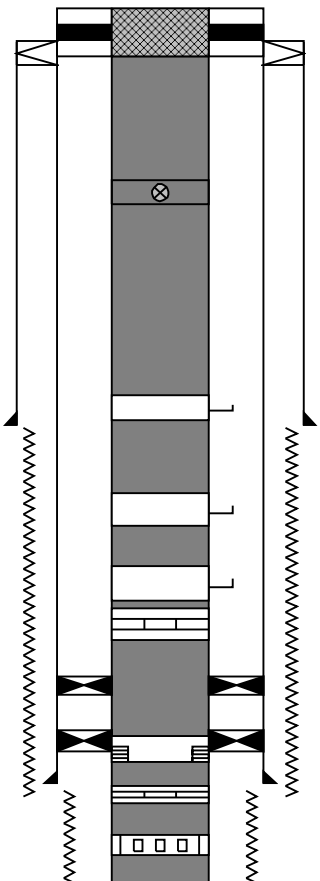
TOOL ZERO

0.04

MAXIMUM STRING DIAMETER 2.13 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

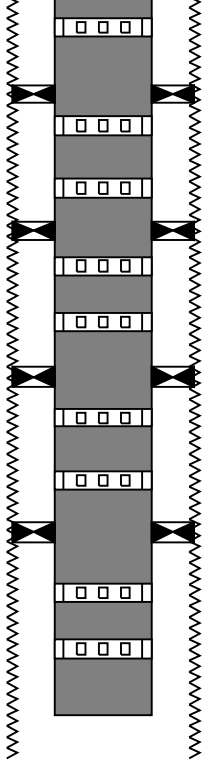
Production String	(in) OD	(in) ID	(m) MD
Tubing Hanger	9.675	4.500	18.7
Tubing	4.500		18.7
Shutin Valve	4.500		447.0
Gas Lift Mandrel	4.500		986.0
Gas Lift Mandrel	4.500		1588.0
Gas Lift Mandrel	4.500		1993.0
Nipple	4.500		2007.0
Packer	9.675	4.500	2786.0
Packer	9.675	4.500	2813.0
	4.500		2813.5
Nipple	4.500		2838.0
Sliding Sleeve	4.500		3168.9

Well Schematic



(m) MD	(in) OD	(in) ID	Casing String
19.8	13.375	9.675	Liner Hanger
897.0	13.375		Casing Shoe
904.0	12.250		Borehole Segment
3142.0	9.675		Casing Shoe
3145.0	8.500		Borehole Segment

Sliding Sleeve	4.500		3216.3
Packer	8.500	4.500	3262.0
Sliding Sleeve	4.500		3272.0
Sliding Sleeve	4.500		3320.0
Packer	8.500	4.500	3327.0
Sliding Sleeve	4.500		3347.0
Sliding Sleeve	4.500		3390.0
Packer	8.500	4.500	3426.0
Sliding Sleeve	4.500		3456.0
Sliding Sleeve	4.500		3504.0
Packer	8.500	4.500	3530.0
Sliding Sleeve	4.500		3570.0
Sliding Sleeve	4.500		3608.0



Schlumberger

Flowing up pass @ 30m/min−EPROBE
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	**PSP_GMS_PSTS_PSTE_908PUP**	**FN:14**	**PRODUCER**	**12−Aug−2009 16:20**	**3430.1 M**	**3119.9 M**

Output DLIS Files

DEFAULT	**PSP_GMS_PSTS_PSTE_933PUP**	**FN:36**	**PRODUCER**	**20−Aug−2009 14:05**

OP System Version: 17C0−154

FSIM−AB	**17C0−154**	**FSIT−B**	**17C0−154**
PGMC−B	**17C0−154**	**PBMS−T**	**17C0−154**
PSTS−S2	**17C0−154**	**PSTS−S1**	**17C0−154**
PSTE	**17C0−154**		

Cable

Velocity Memorized (CVEL_FSI) (M/MN)
0 40

FSIT RB (RB_180_FSI) (DEG)
−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

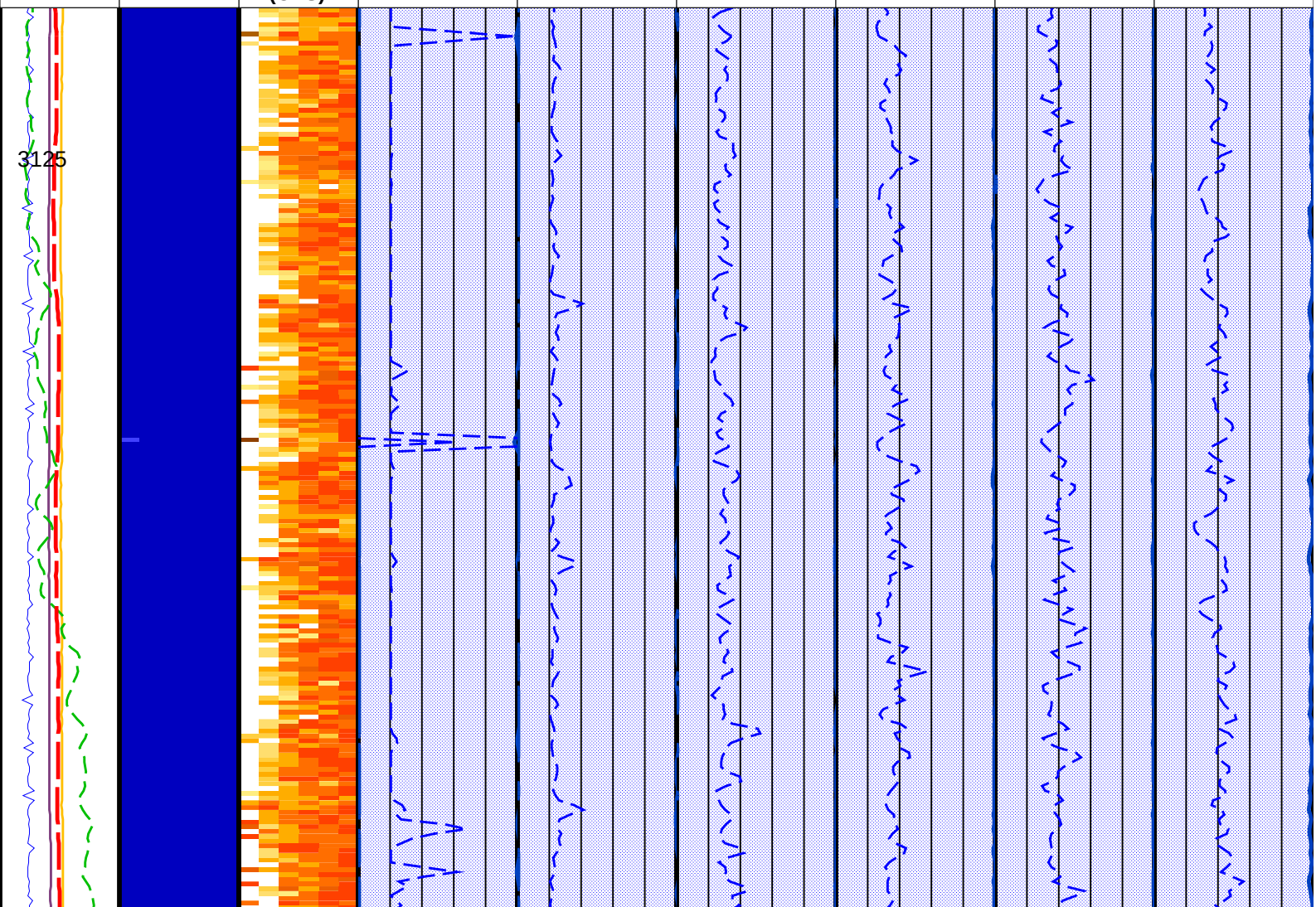
Calibrated Caliper (CALI_FSI)
0 (IN) 8

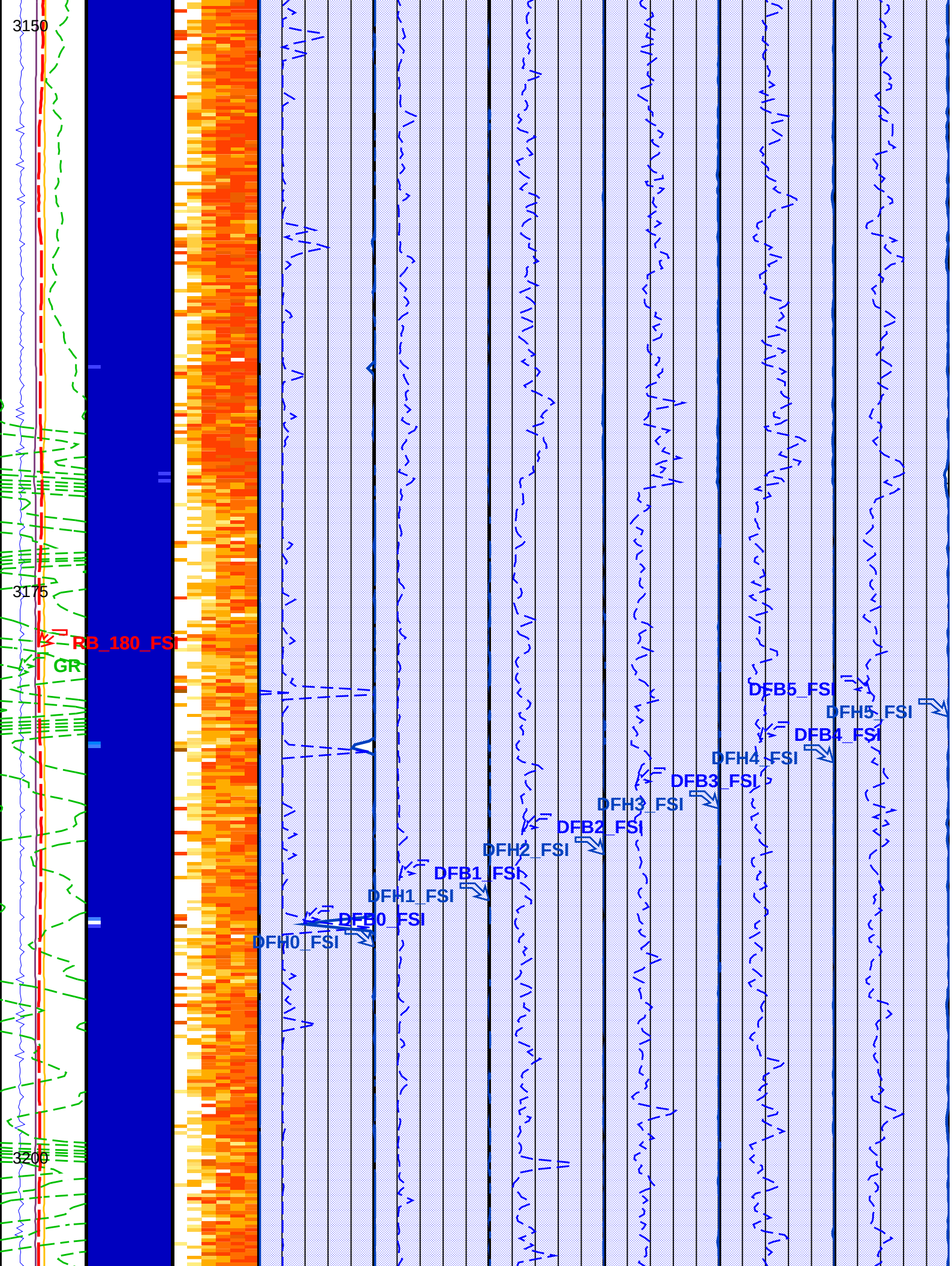
Gamma Ray (GR) (GAPI)
0 150

Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----

Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)

EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1




3150
3175
3200
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
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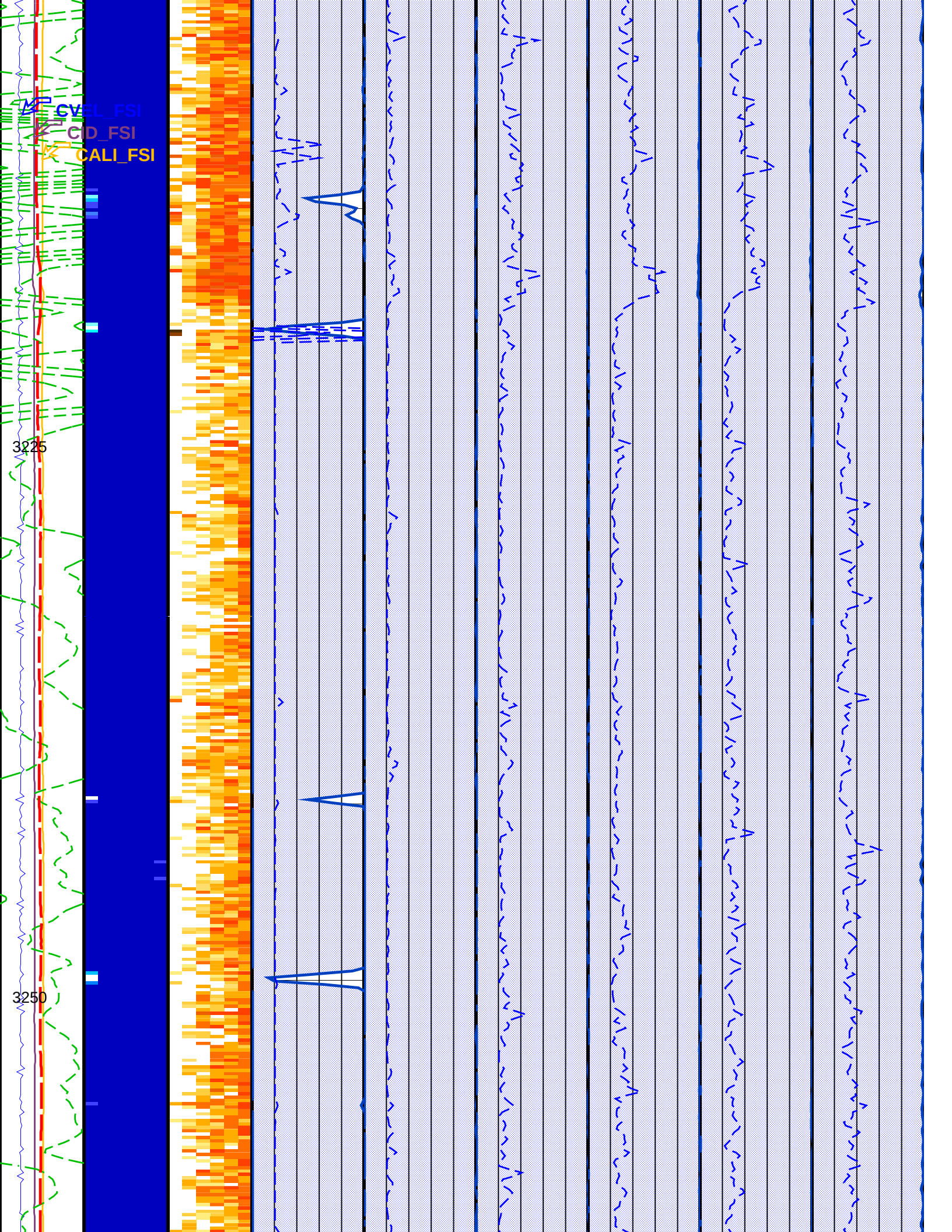
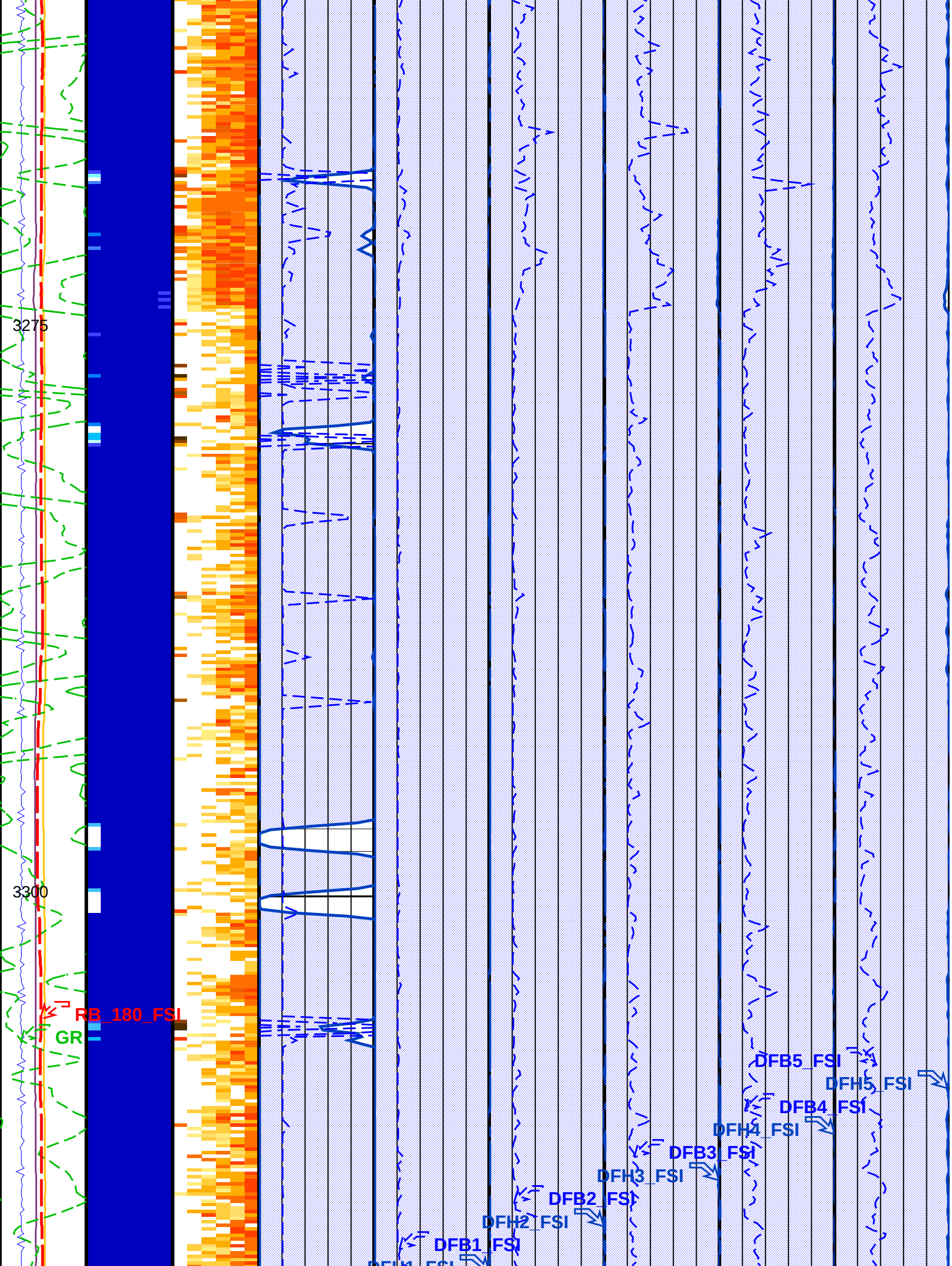
DFH0_FSI


CVEL_FSI
CID_FSI
CALI_FSI
3225
3250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3300
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
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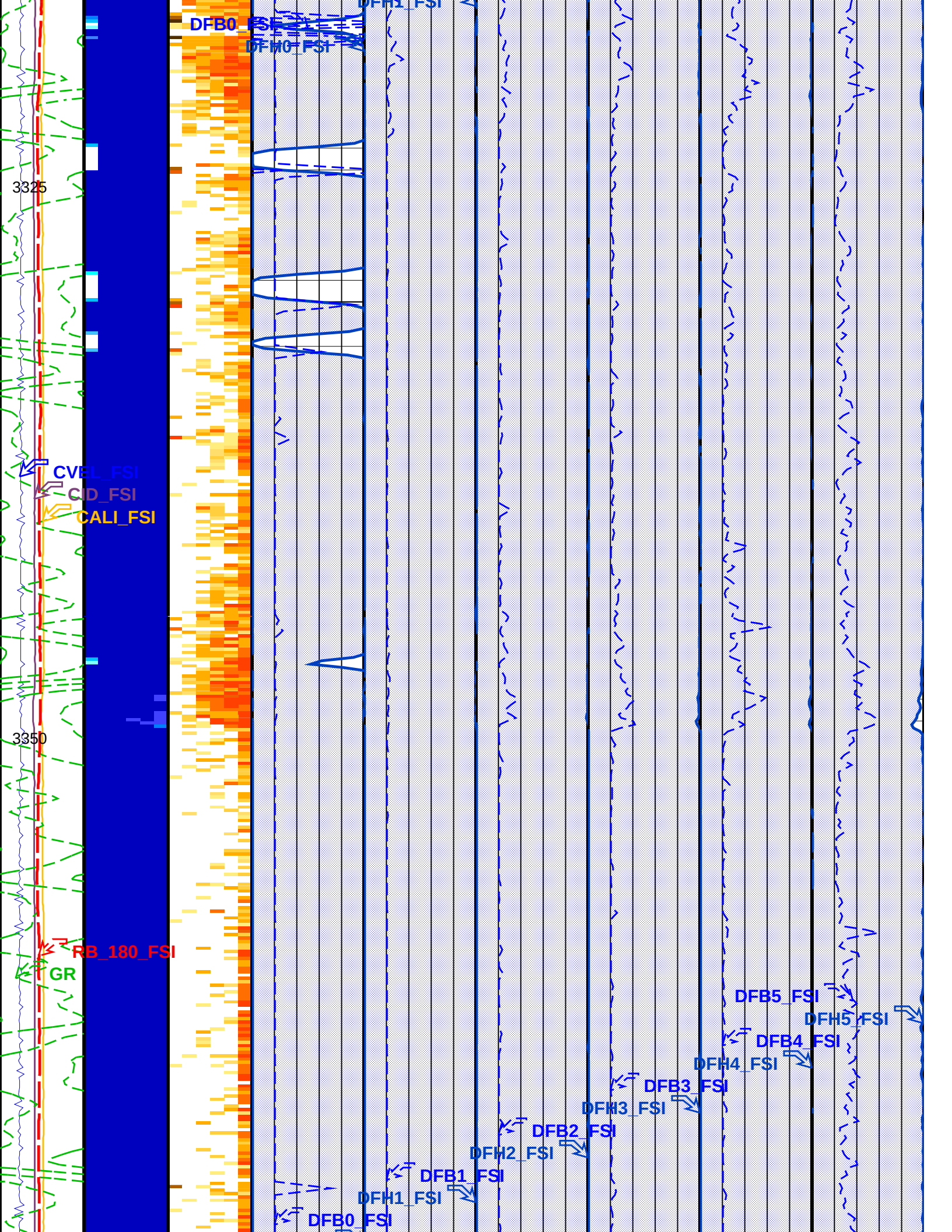
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI


DFB0_FSI
DFH0_FSI
DFH1_FSI
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CVEL_FSI
CID_FSI
CALI_FSI
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RB_180_FSI
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DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
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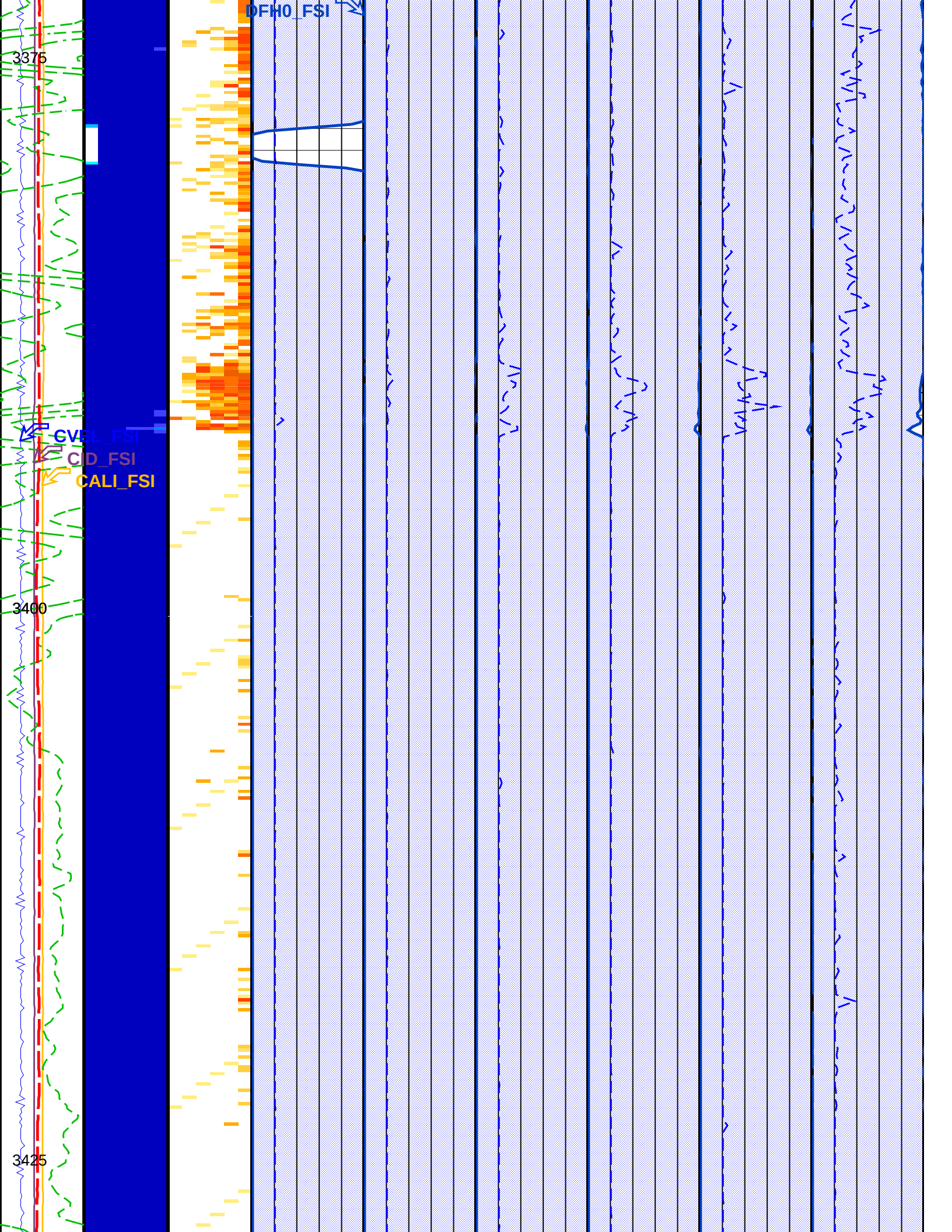
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI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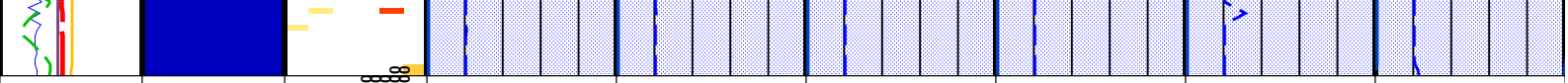
CVEL_FSI
CID_FSI
CALI_FSI
3400
3425



Gamma Ray (GR) (GAPI) 0 150	Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----	Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)	Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1
Calibrated Caliper (CALI_FSI) 0 (IN) 8			Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_FSI) (DEG) −180 180								
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40								

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 14:05

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_908PUP	FN:14	PRODUCER	12−Aug−2009 16:20	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_933PUP	FN:36	PRODUCER	20−Aug−2009 14:05

Schlumberger

Flowing up pass @ 30m/min−SPINNER
Interval 3120m − 3430m MDKB

Input DLIS Files

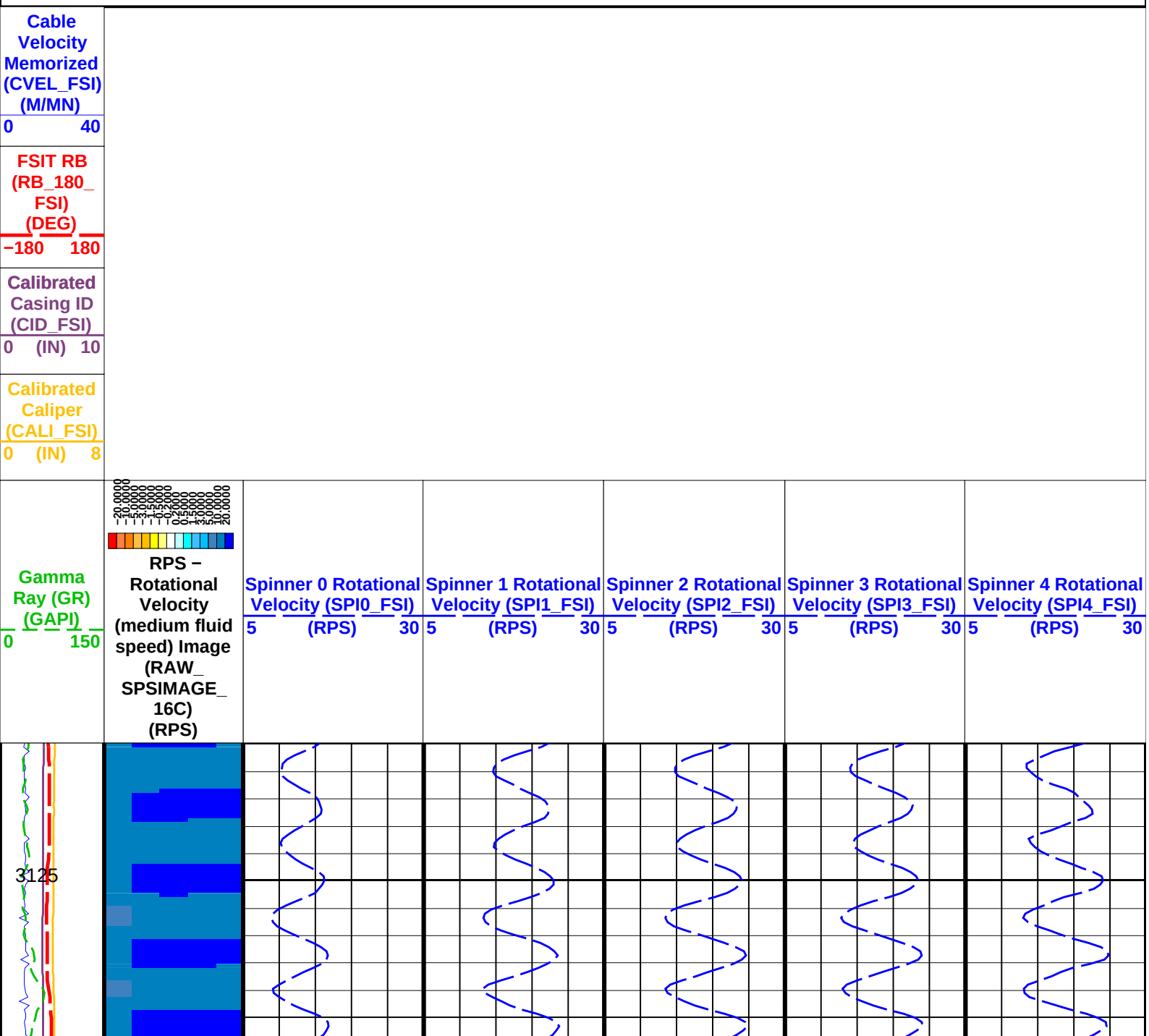
DEFAULT	PSP_GMS_PSTS_PSTE_908PUP	FN:14	PRODUCER	12−Aug−2009 16:20	3430.1 M	3119.9 M

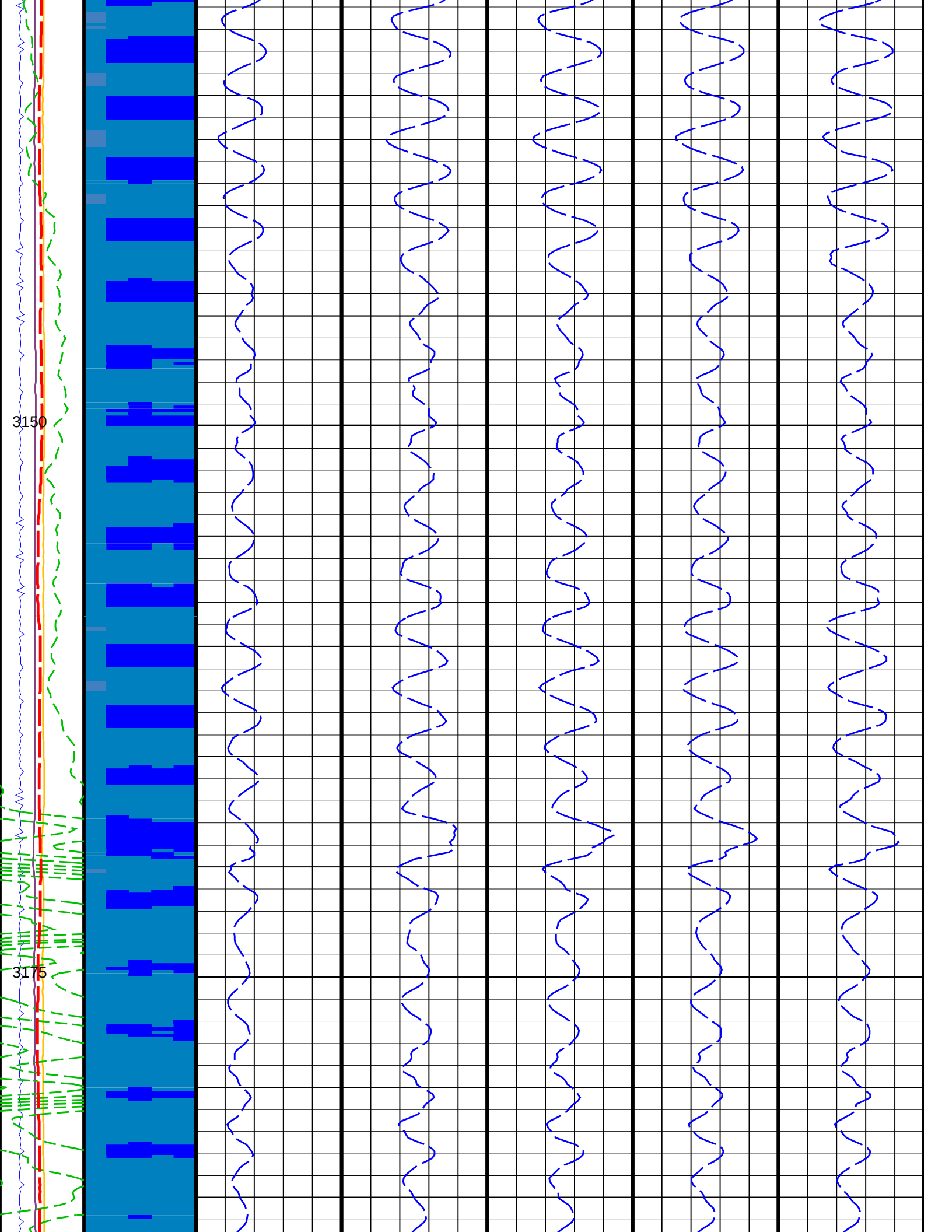
Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_933PUP	FN:36	PRODUCER	20−Aug−2009 14:05

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

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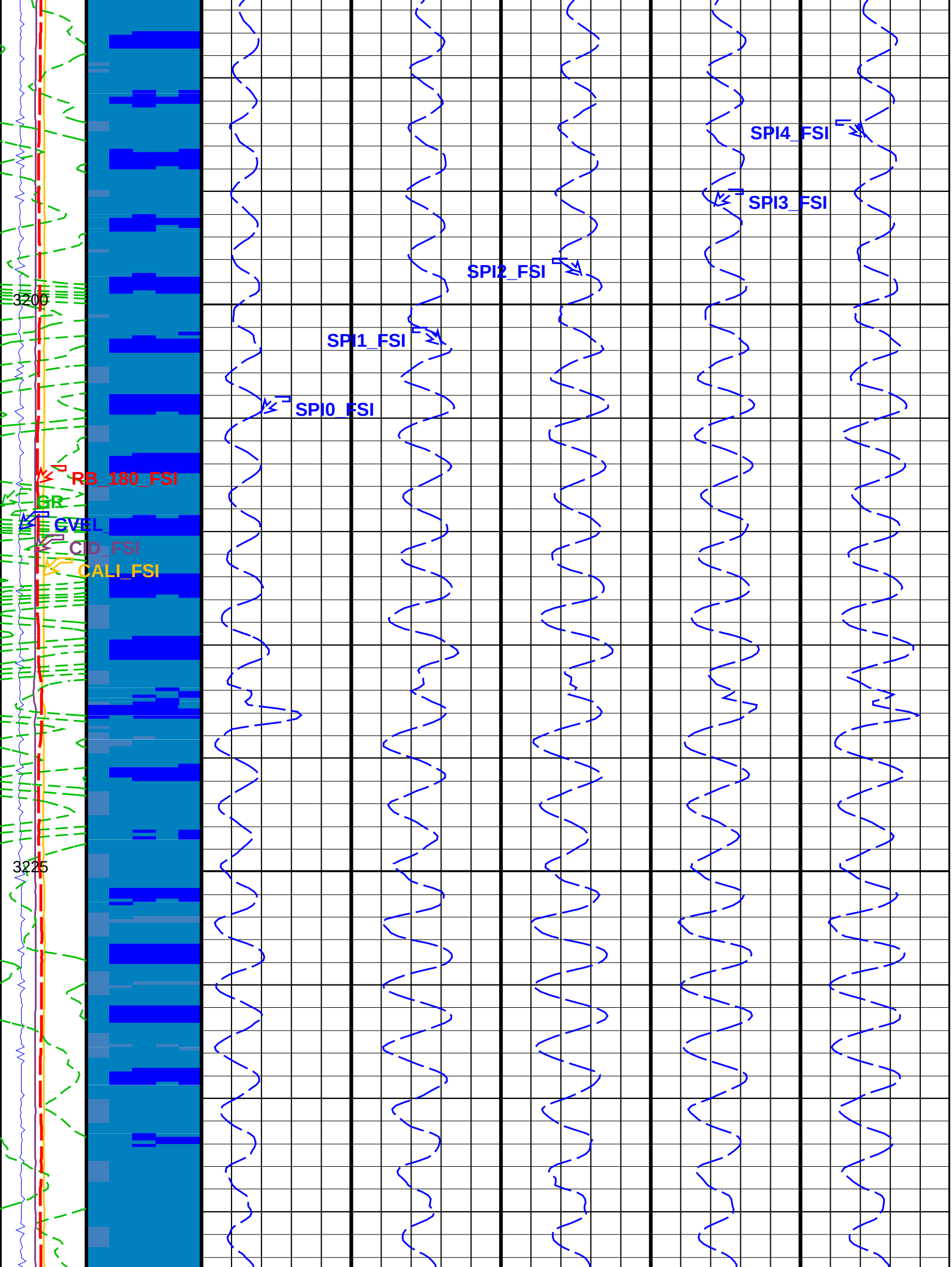
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SPI3_FSI
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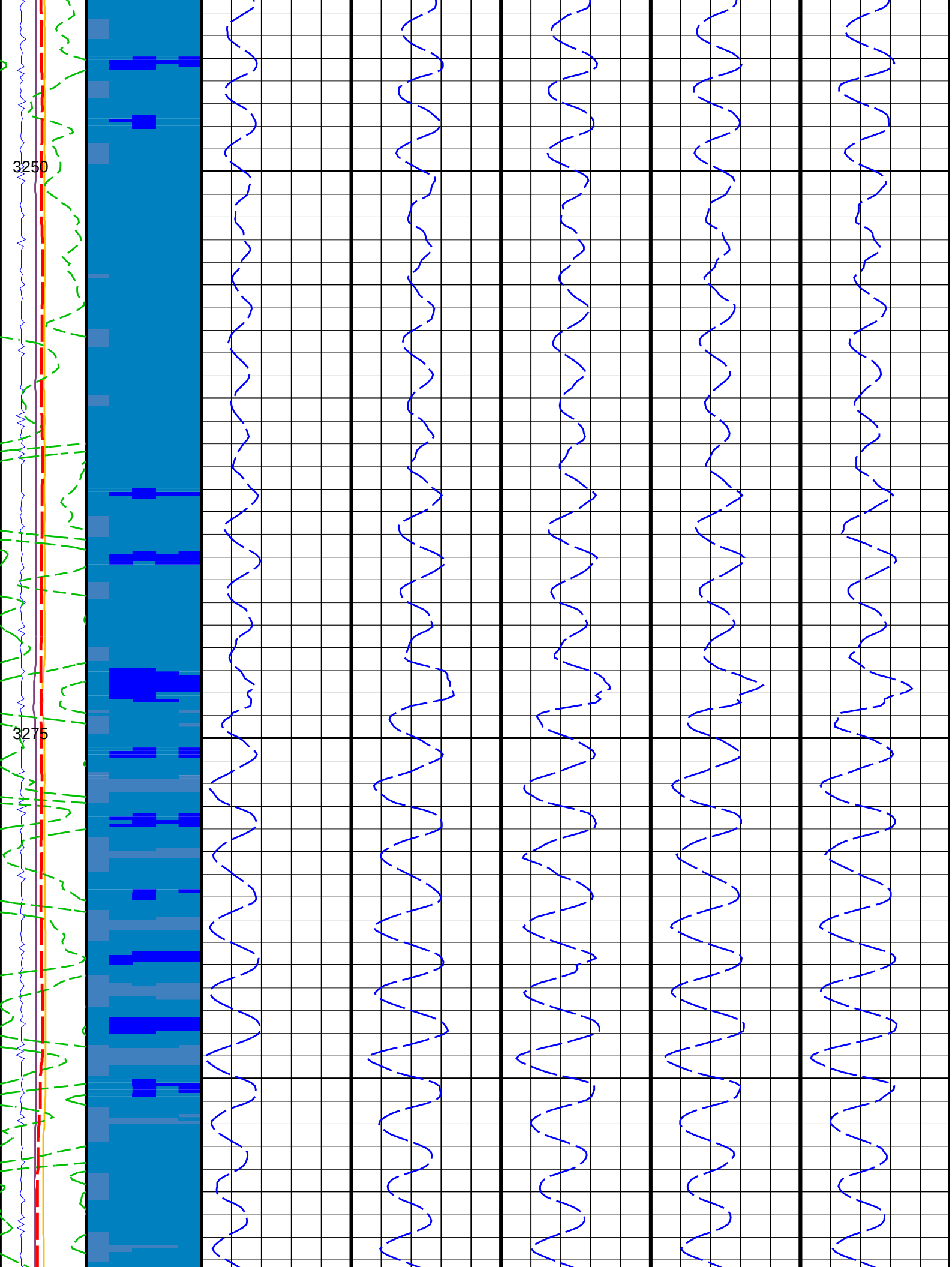
CVEL_
CID_FSI
CALI_FSI
3225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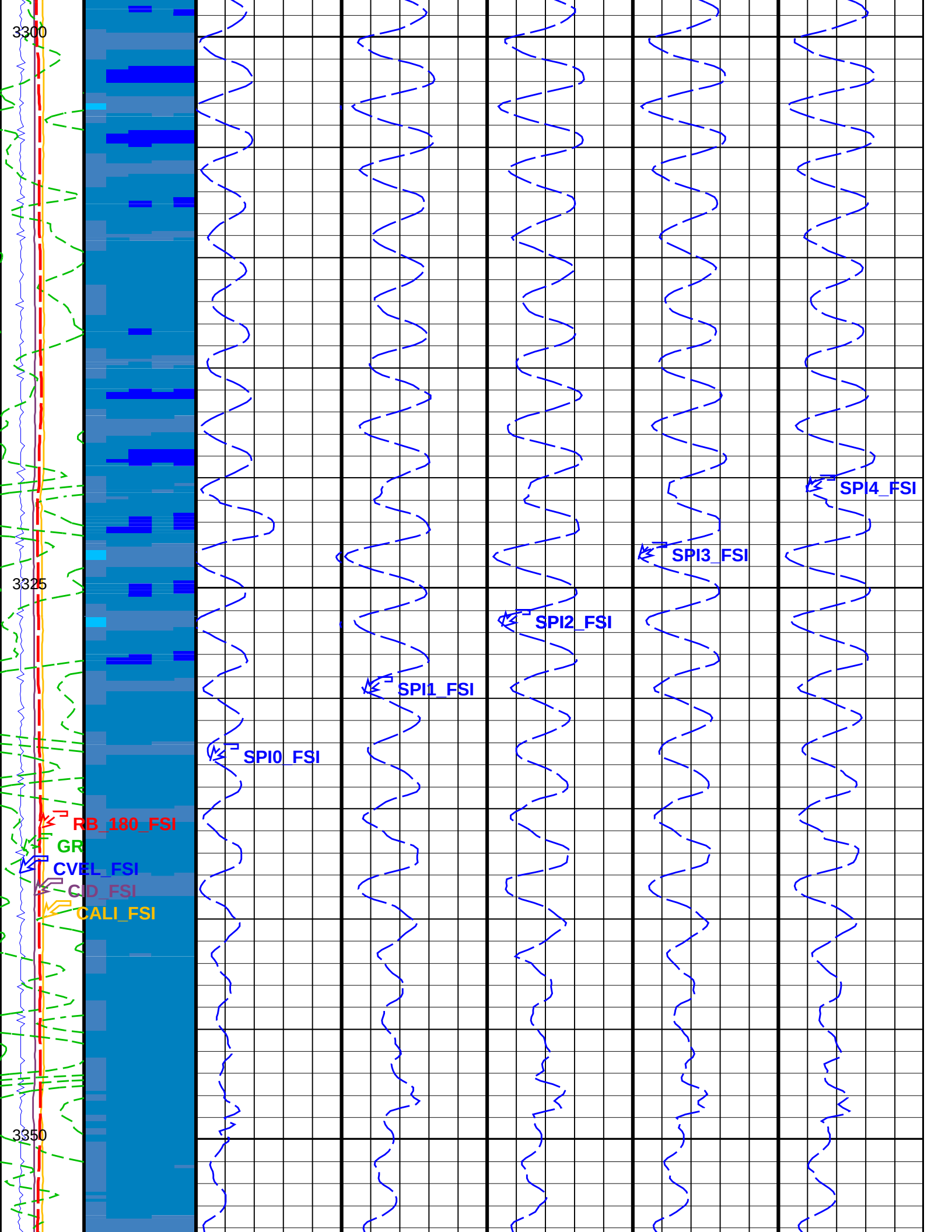
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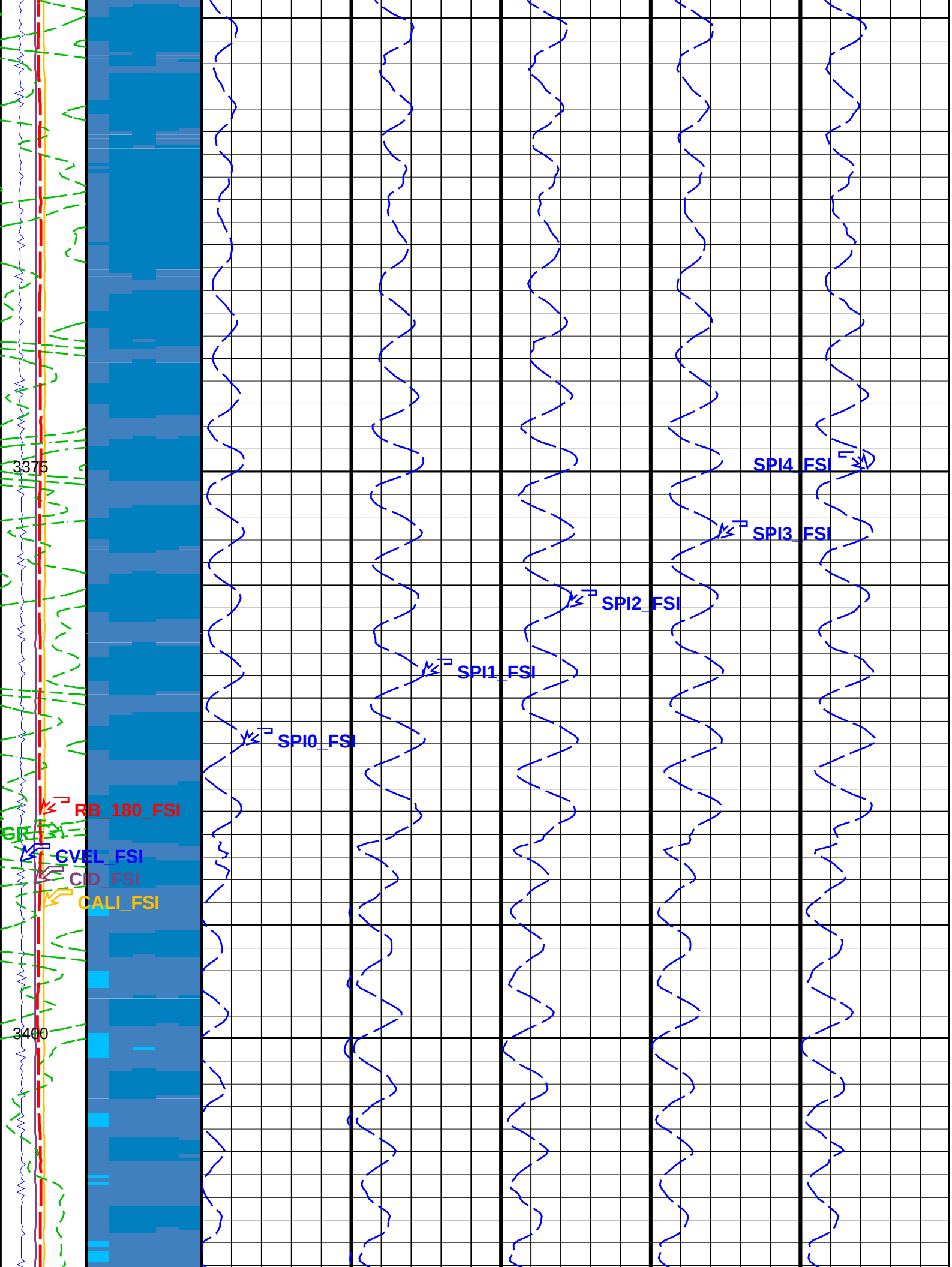
CALI_FSI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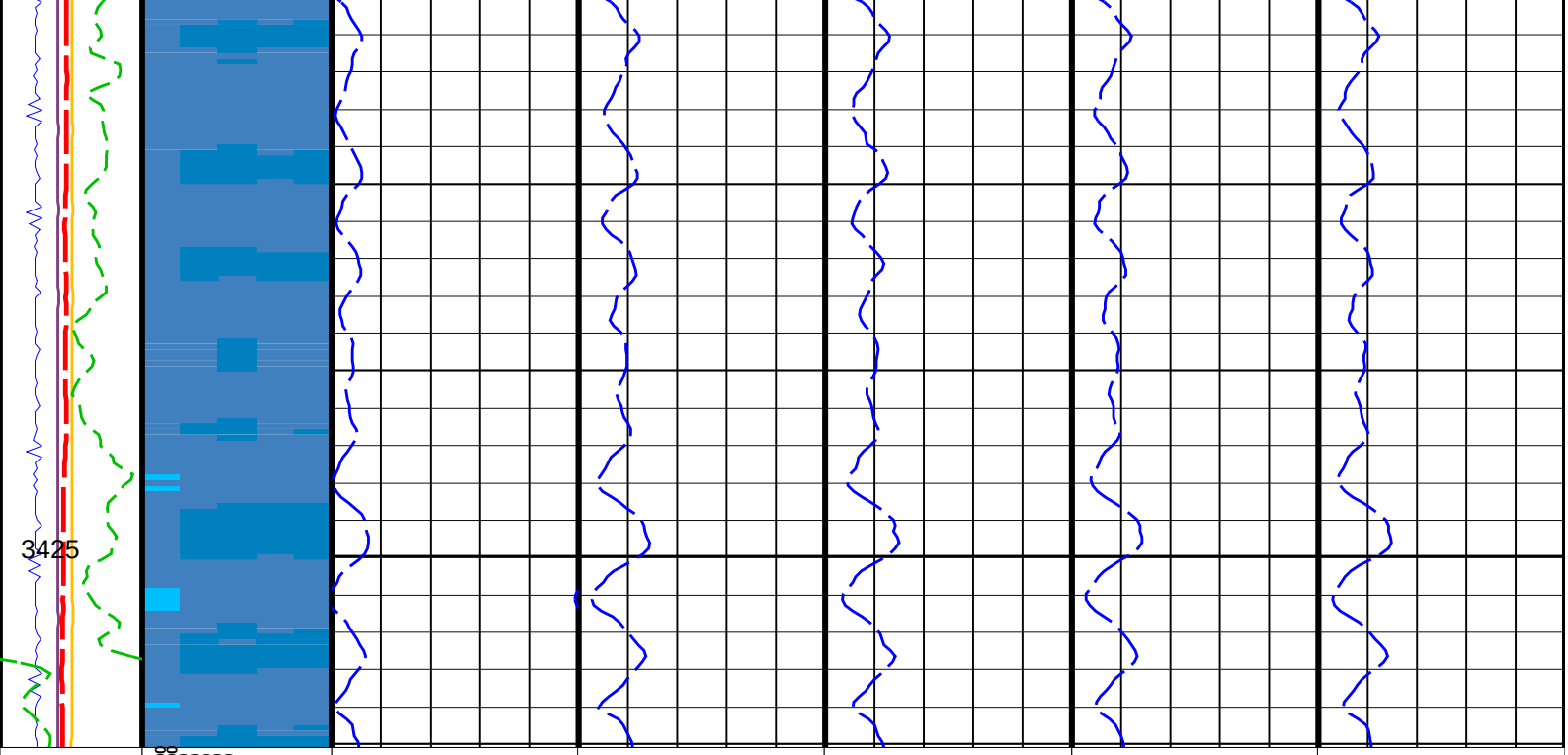
CALI_FSI



Gamma Ray (GR) (GAPI) 0 – 150	RPS – Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 5 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 5 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 5 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 5 (RPS) 30

Calibrated Caliper (CALI_FSI) 0 (IN) 8	
Calibrated Casing ID (CID_FSI) 0 (IN) 10	
FSIT RB (RB_180_FSI) (DEG) −180 180	
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40	

Format: FSI_SPINNER_DL **Vertical Scale: 1:200** **Graphics File Created: 20−Aug−2009 14:05**

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
	System and Miscellaneous	
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_908PUP	FN:14	PRODUCER	12−Aug−2009 16:20	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_933PUP	FN:36	PRODUCER	20−Aug−2009 14:05

Schlumberger

Flowing up pass @ 30m/min−PSP
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_908PUP	FN:14	PRODUCER	12−Aug−2009 16:20	3430.1 M	3119.9 M

Output DLIS Files

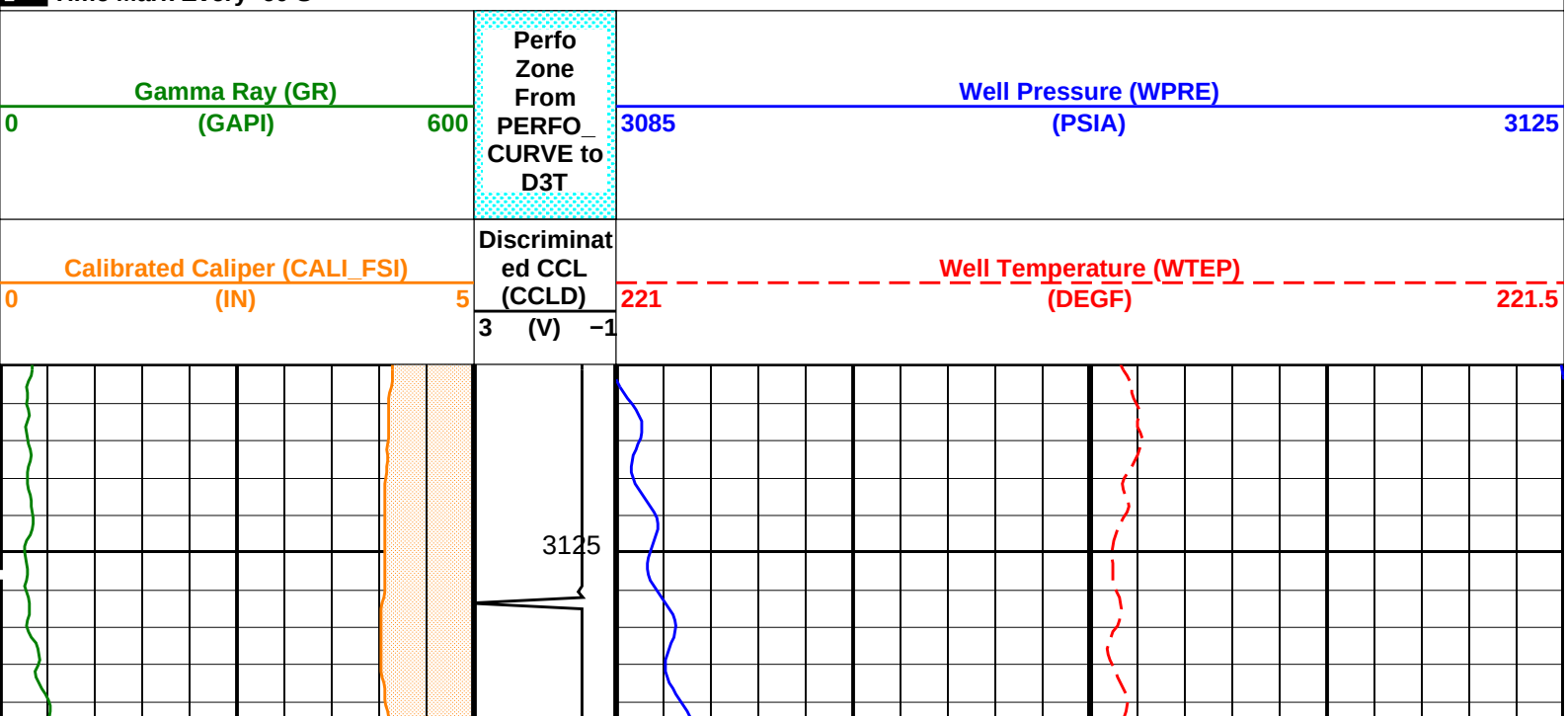
DEFAULT	PSP_GMS_PSTS_PSTE_933PUP	FN:36	PRODUCER	20−Aug−2009 14:05

OP System Version: 17C0−154

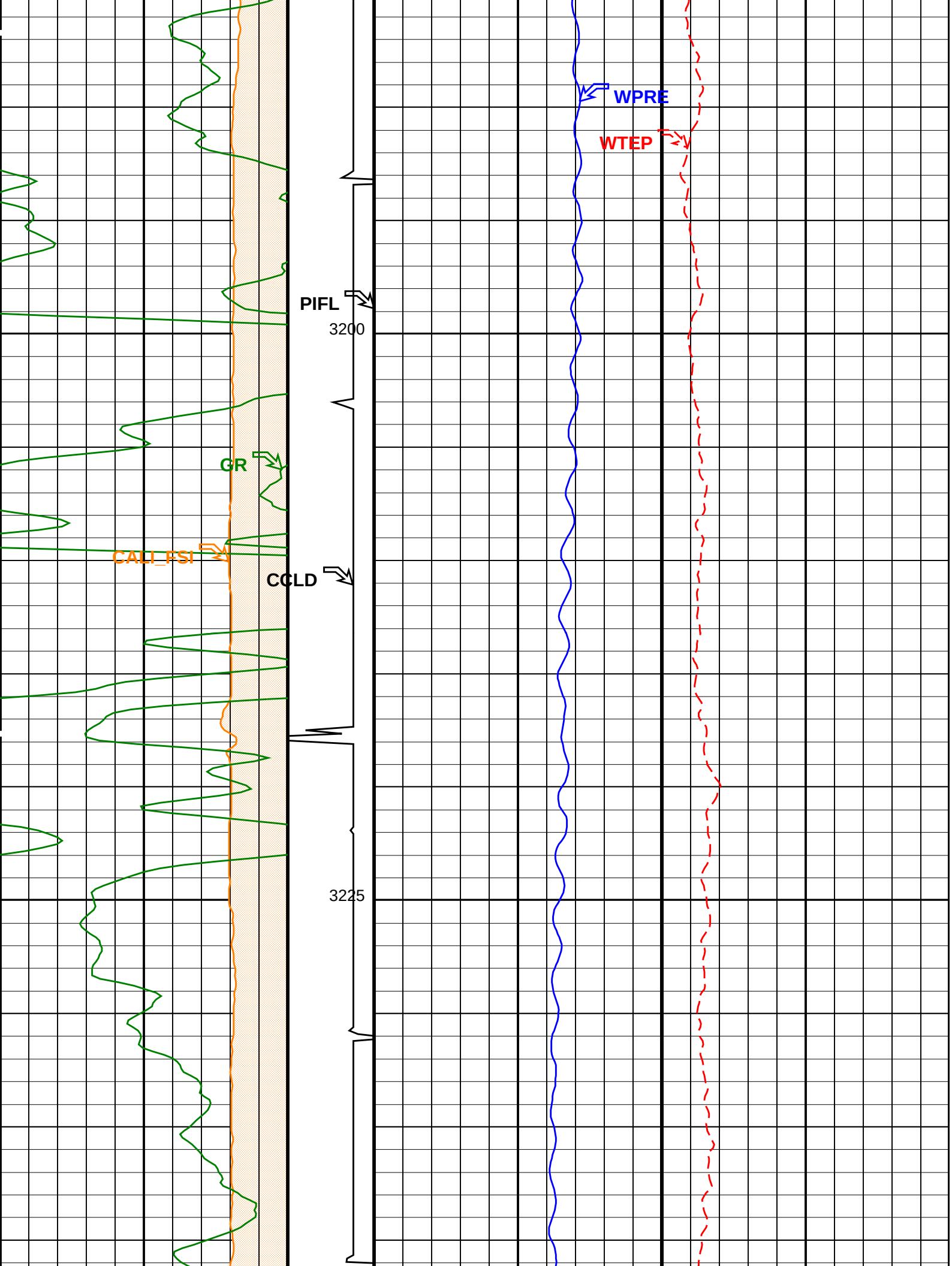
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

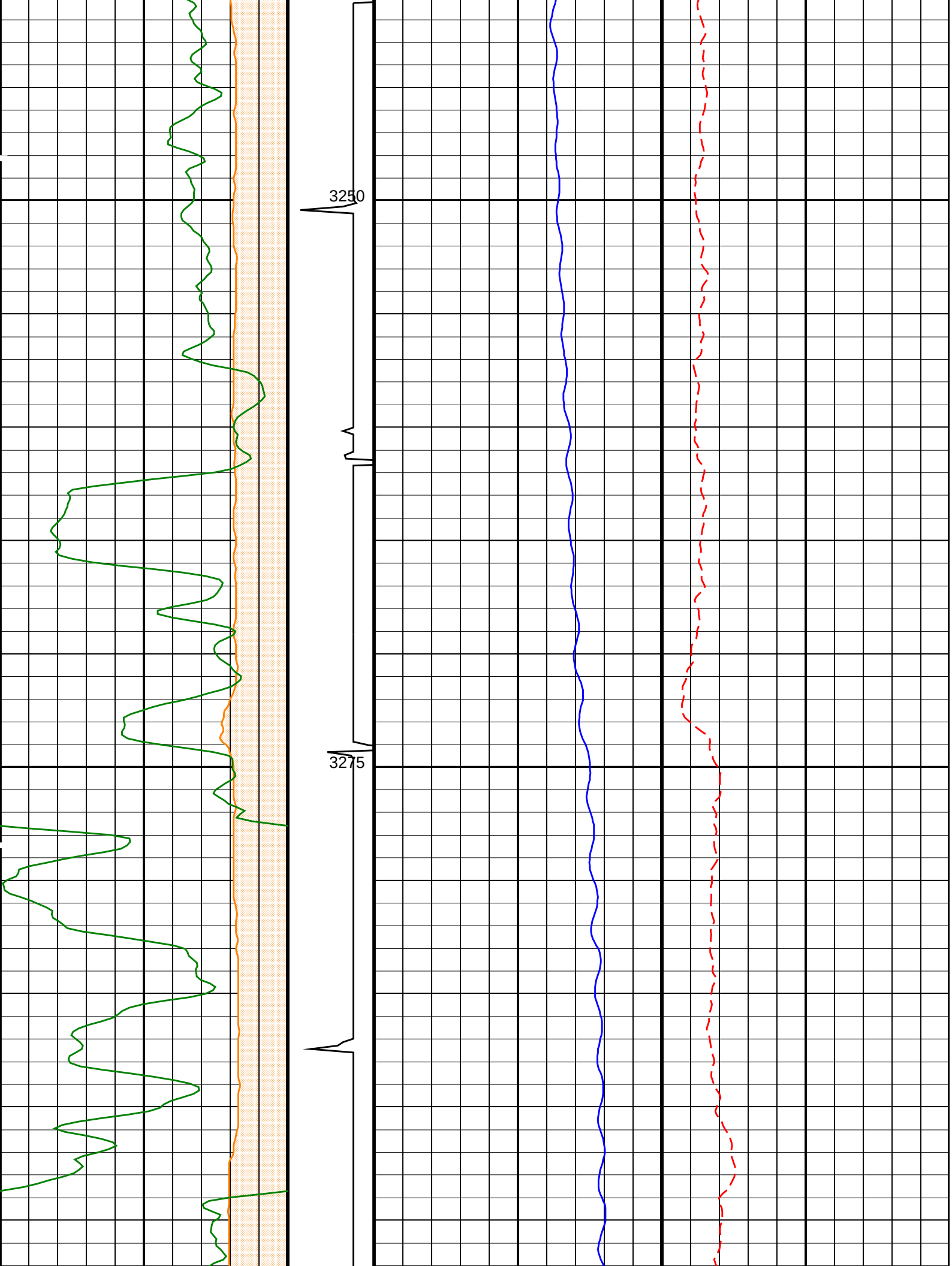
PIP SUMMARY

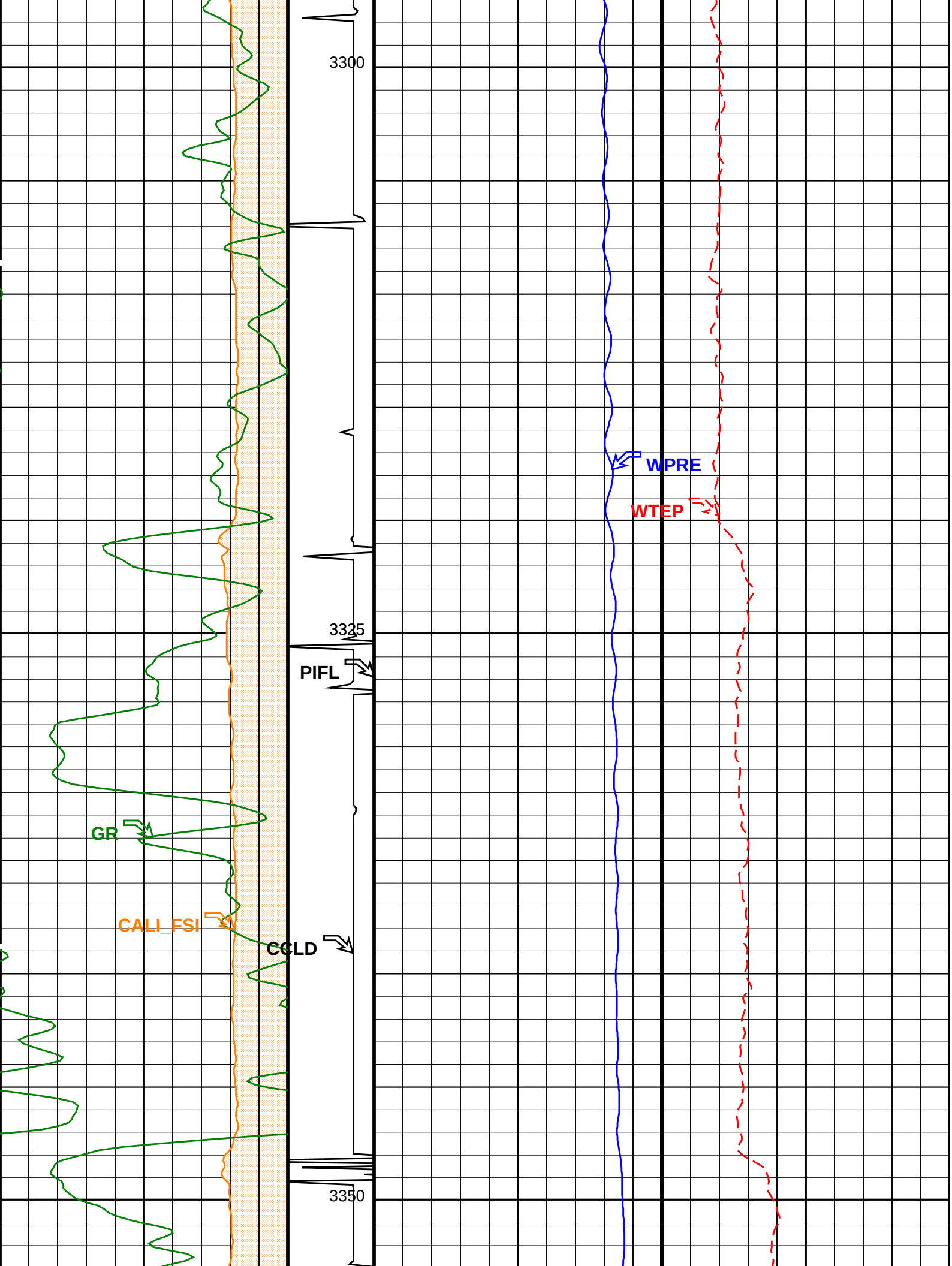
Time Mark Every 60 S

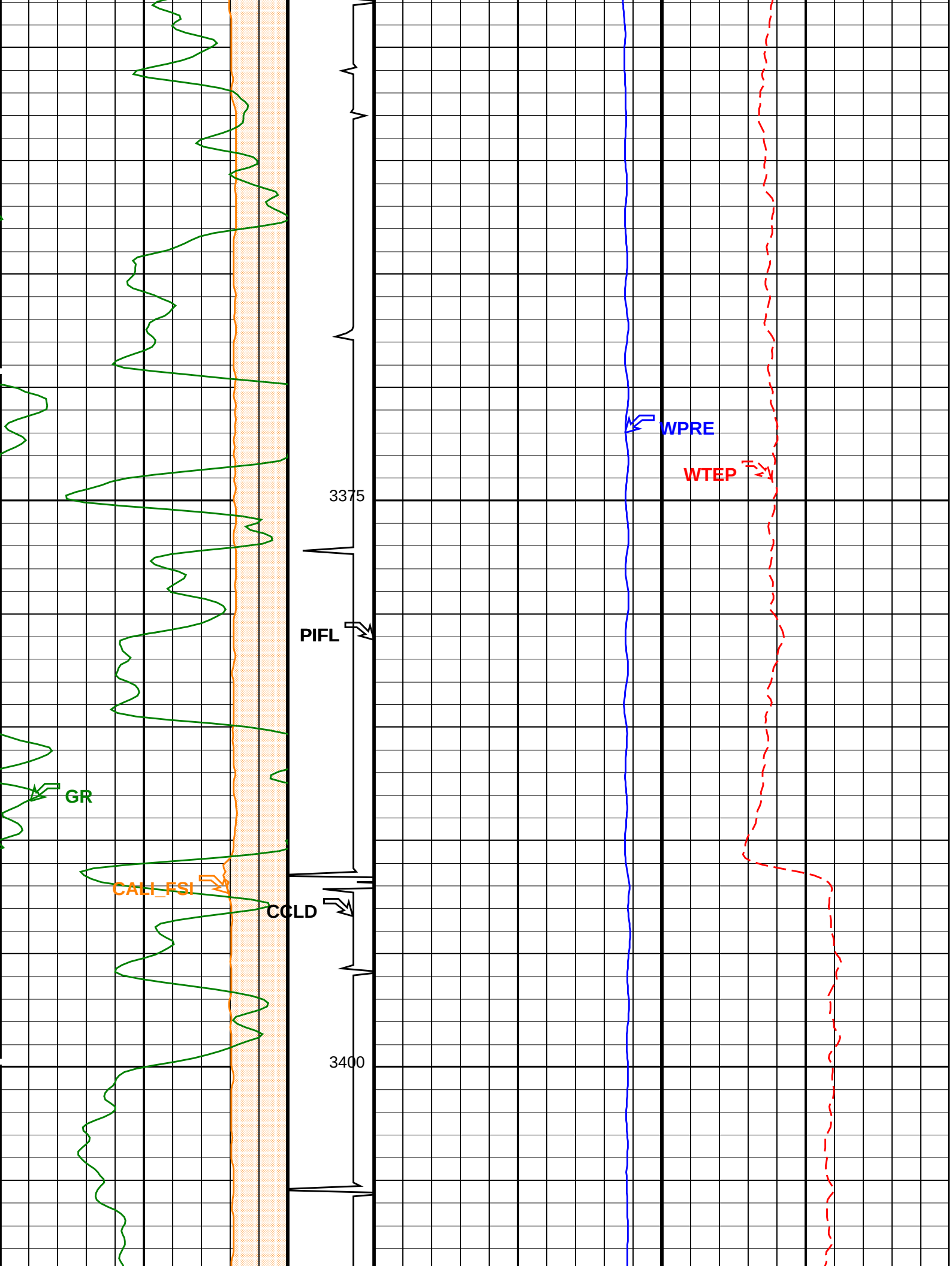


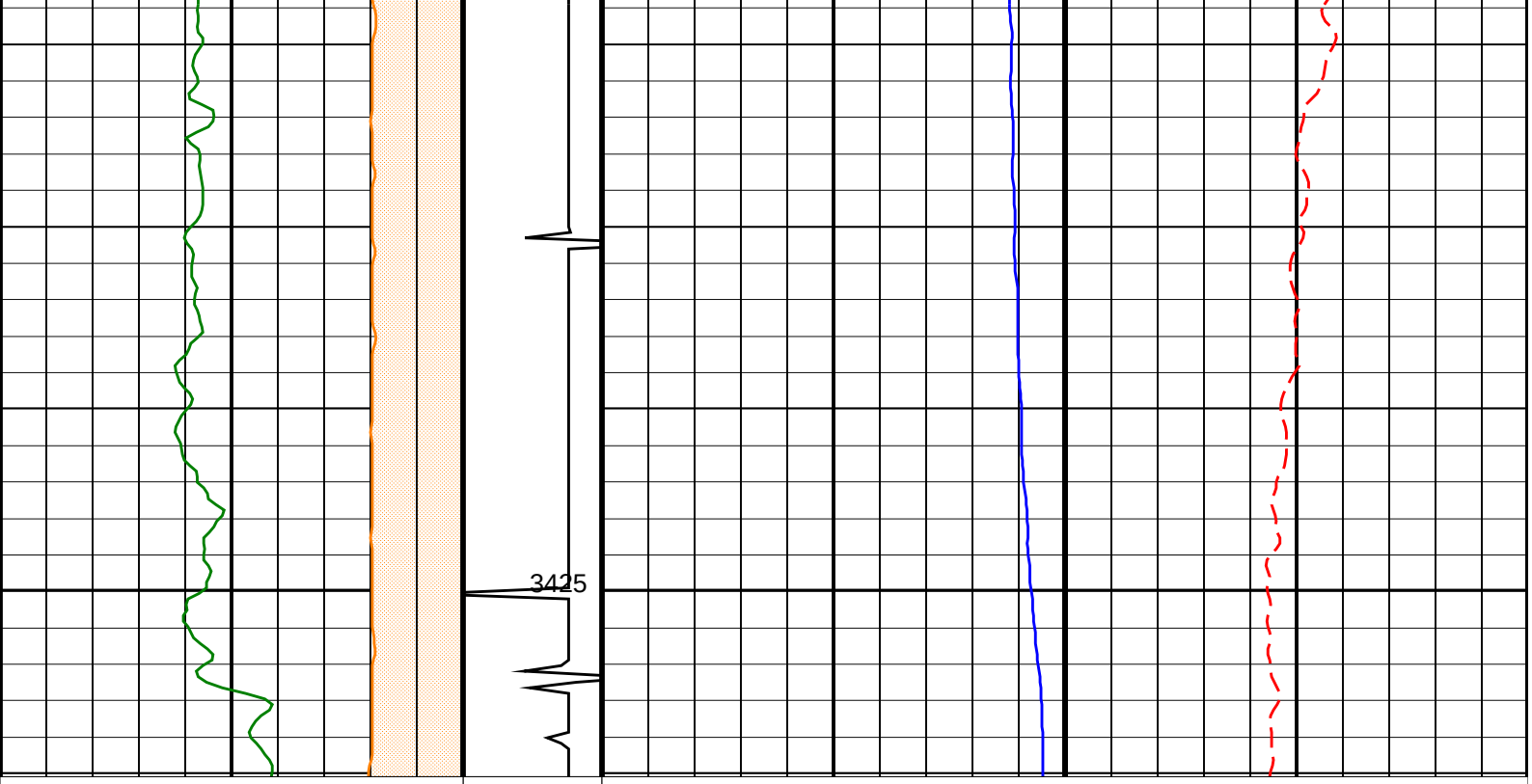
3150
3175


WPRE
WTEP
PIFL
3200
GR
CALI_FSI
CCLD
3225


3250
3275


3300
3325
3350
WPRE
WTEP
PIFL
GR
CALI_FSI
CCLD


WPRE
WTEP
3375
PIFL
GR
CALI_FSI
CCLD
3400



Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	221 (DEGF) 221.5
Gamma Ray (GR)	Perfo Zone From PERFO_CURVE to D3T	Well Pressure (WPRE)
0 (GAPI) 600		3085 (PSIA) 3125

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 14:05

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_908PUP	FN:14	PRODUCER	12−Aug−2009 16:20	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_933PUP	FN:36	PRODUCER	20−Aug−2009 14:05

Schlumberger

Second flowing down pass−EPROBE
Interval 3120m − 3430m MDKB

Input DLIS Files

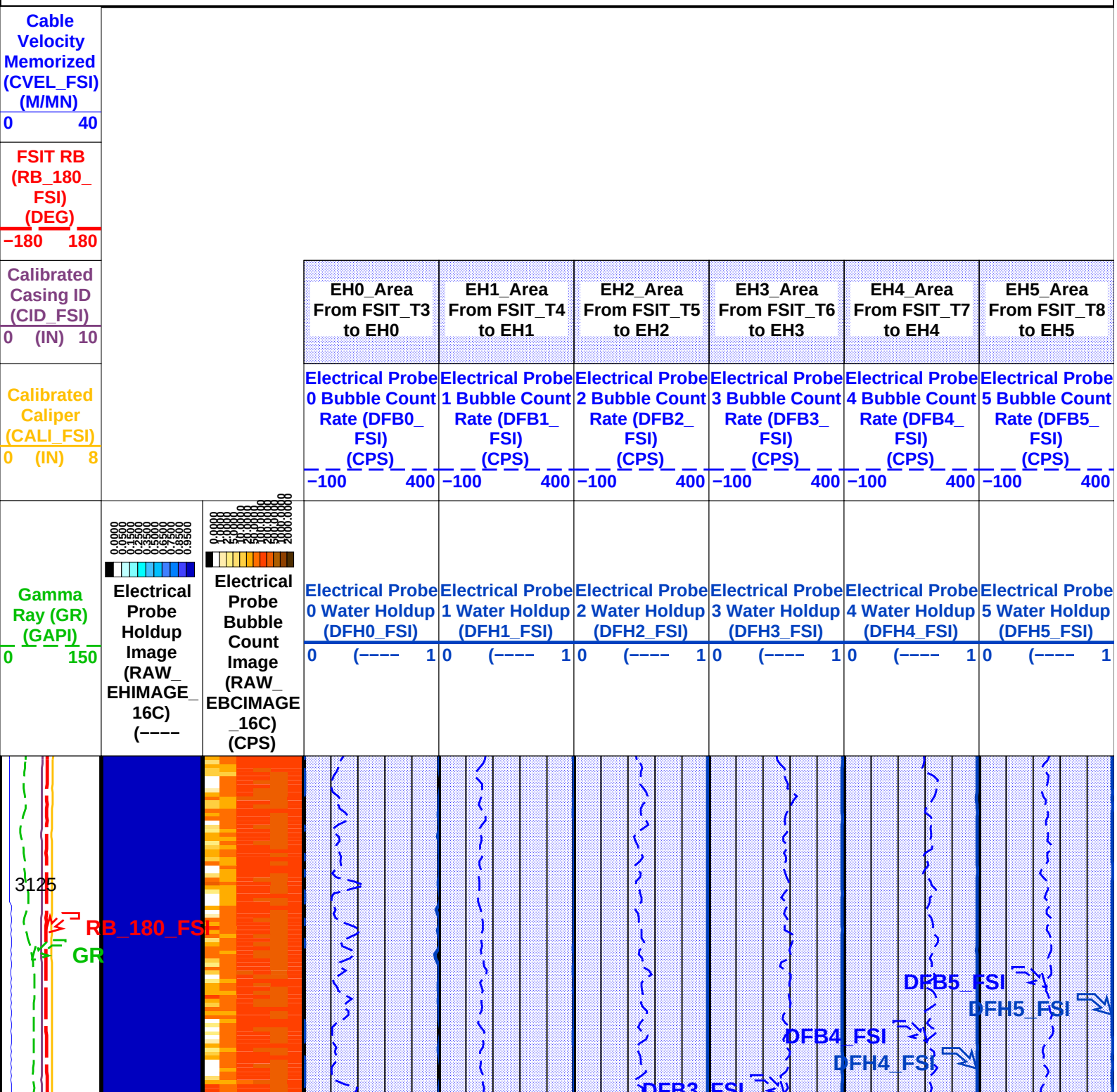
DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

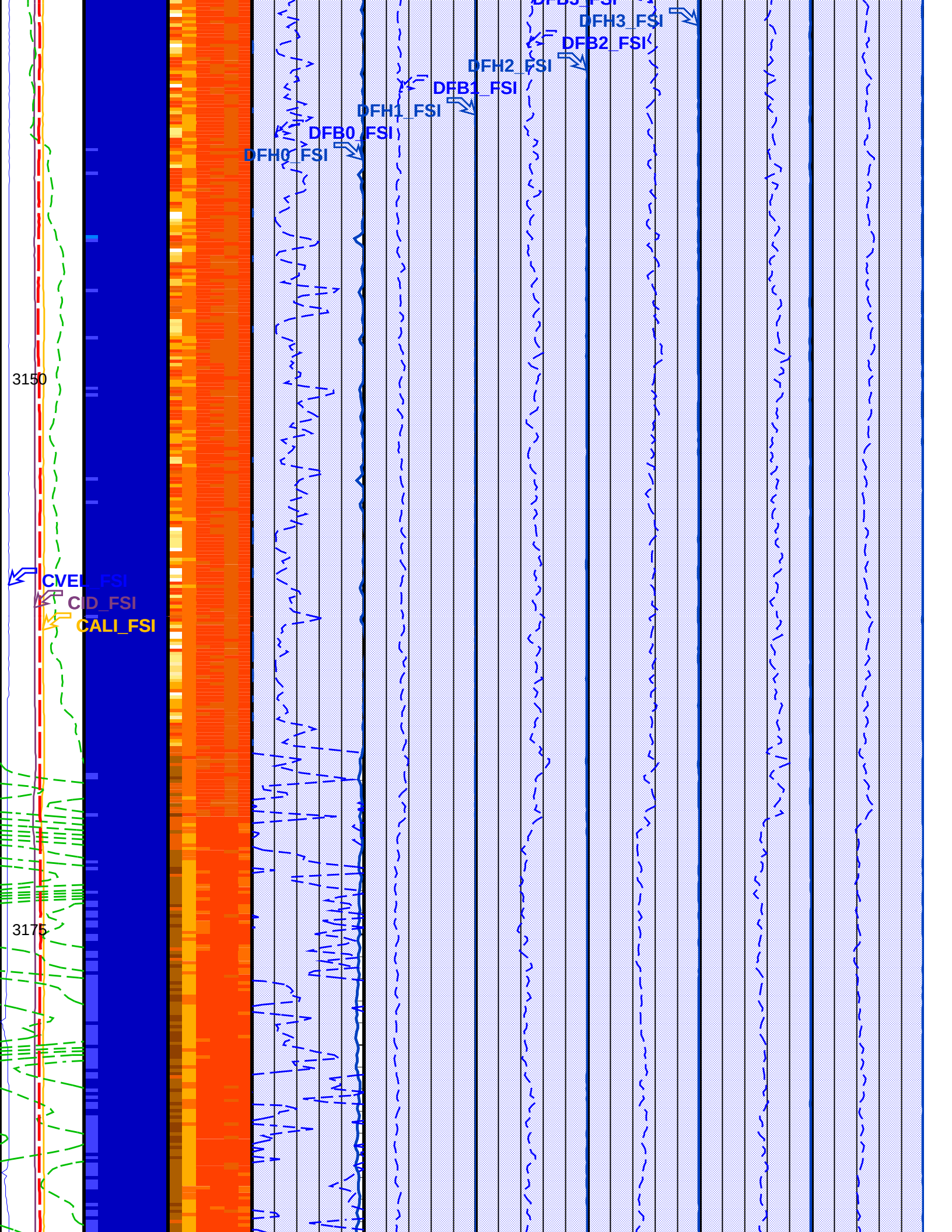
Output DLIS Files

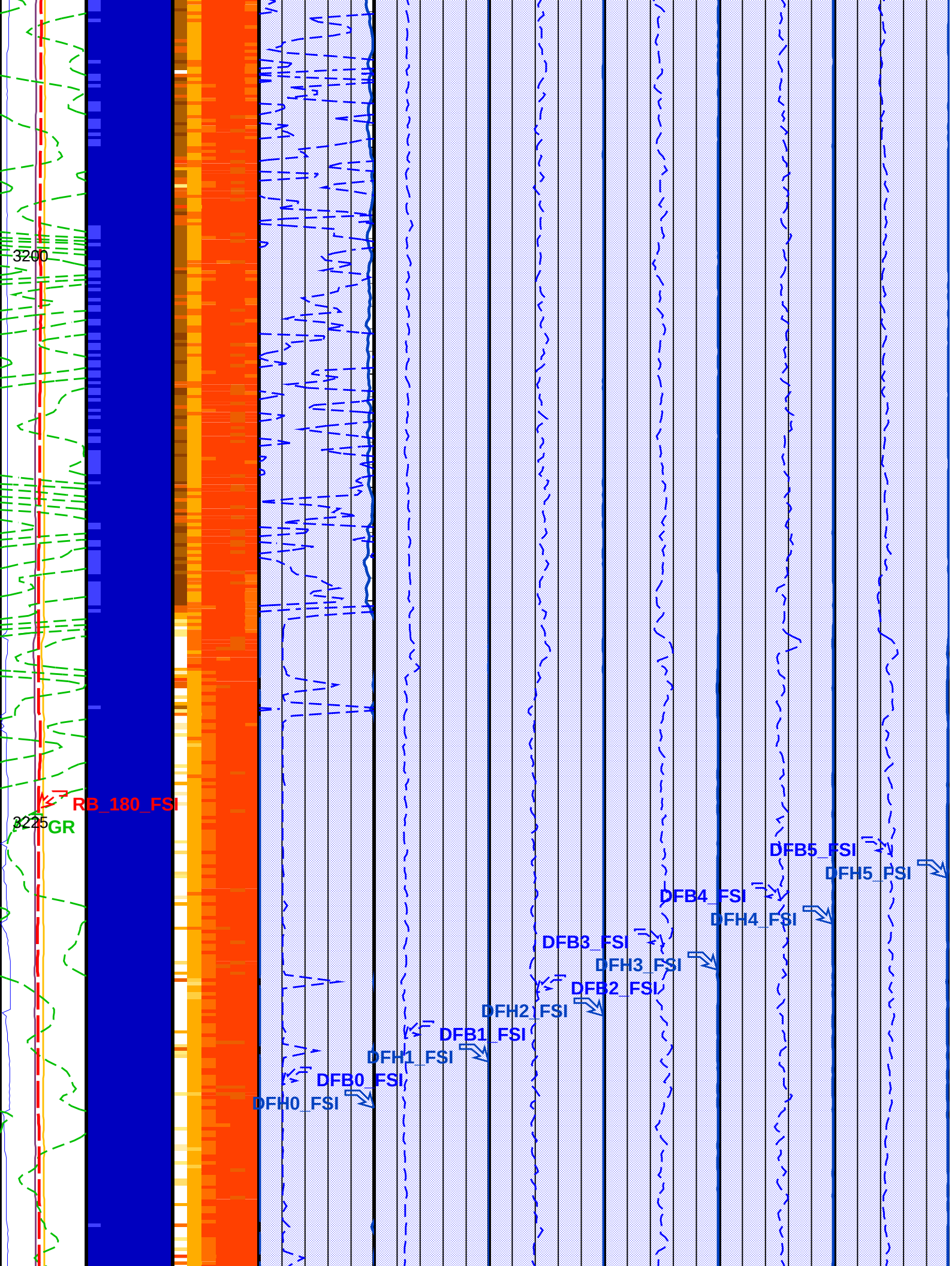
DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

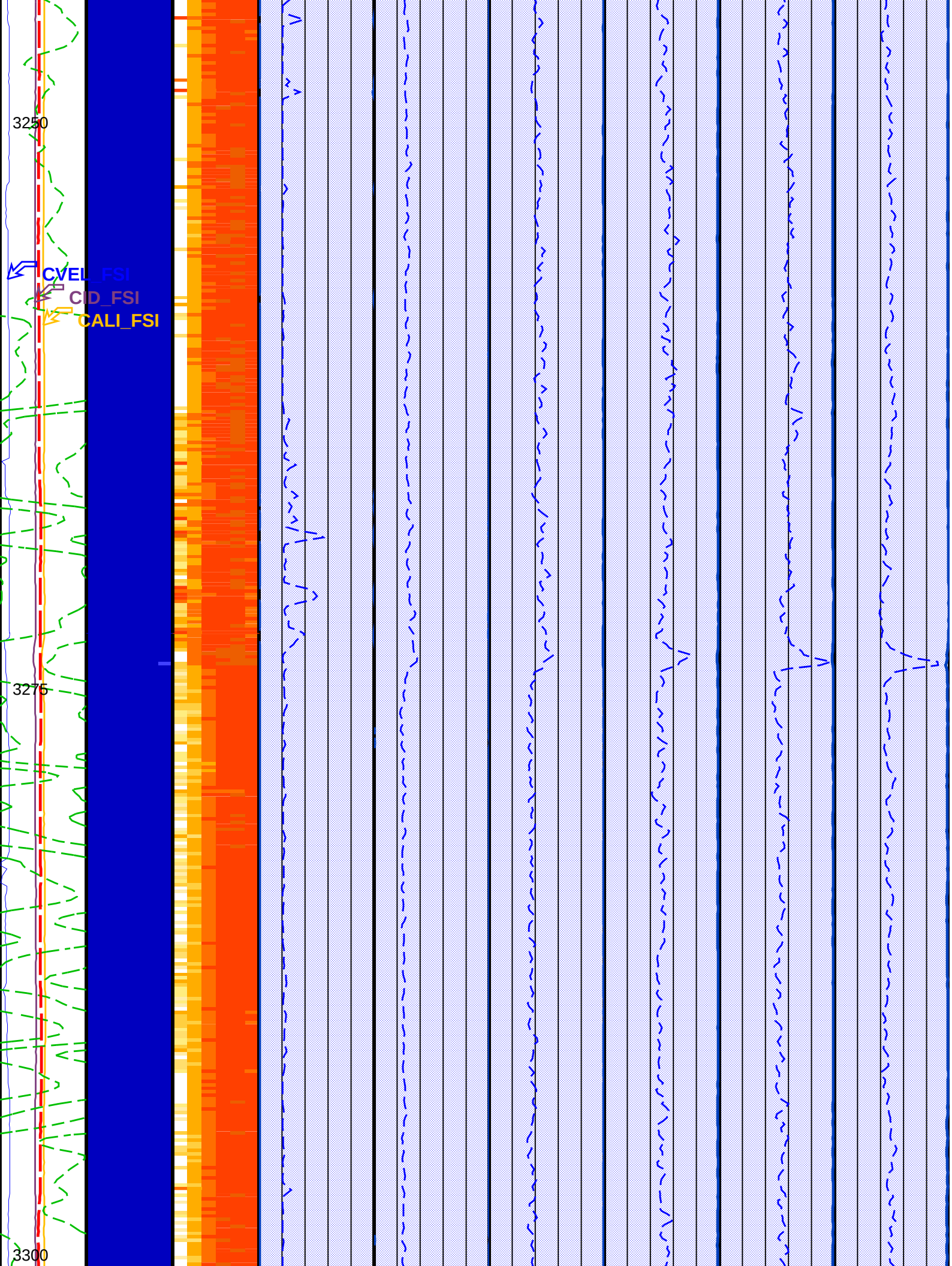
OP System Version: 17C0−154

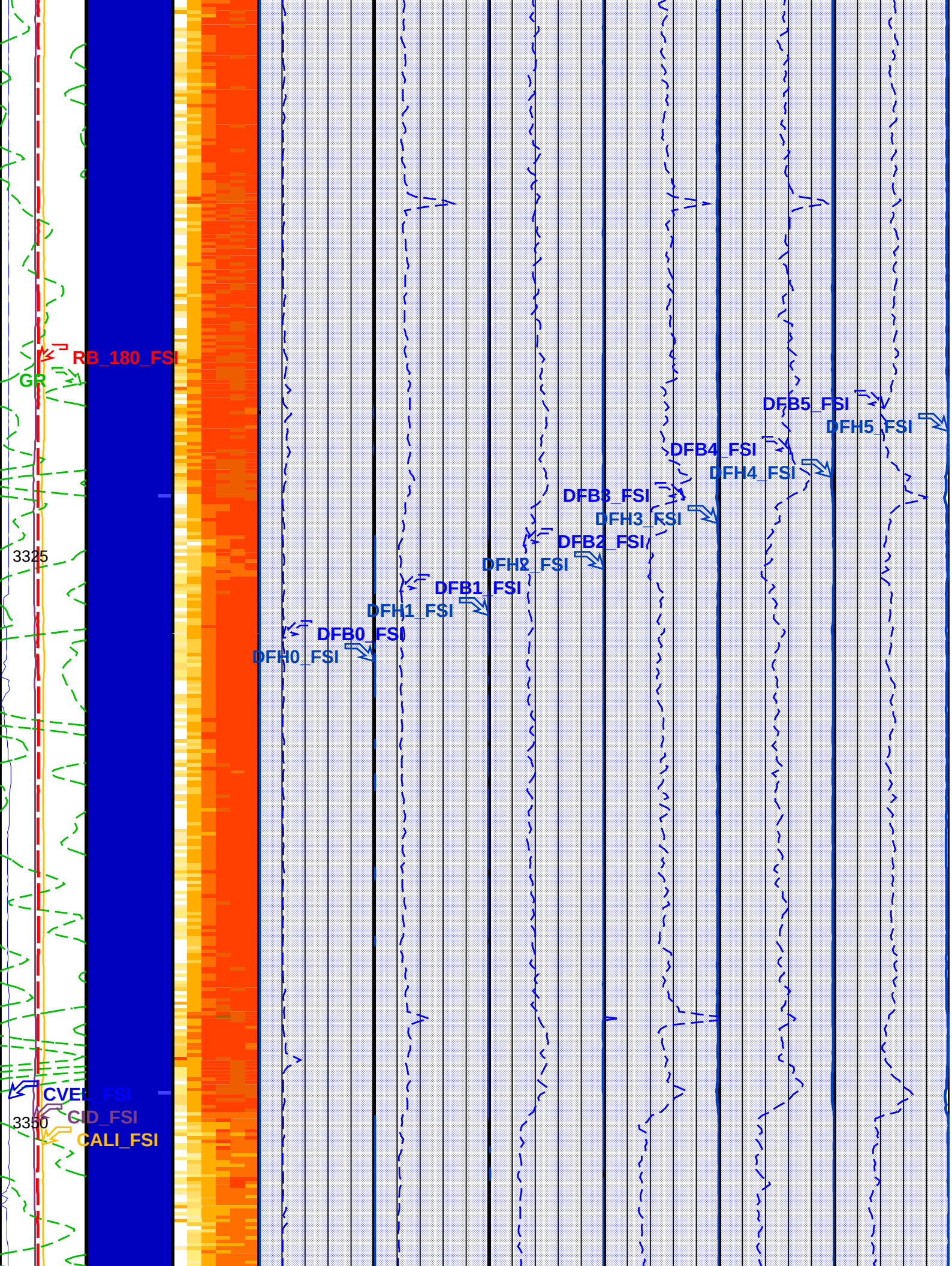
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

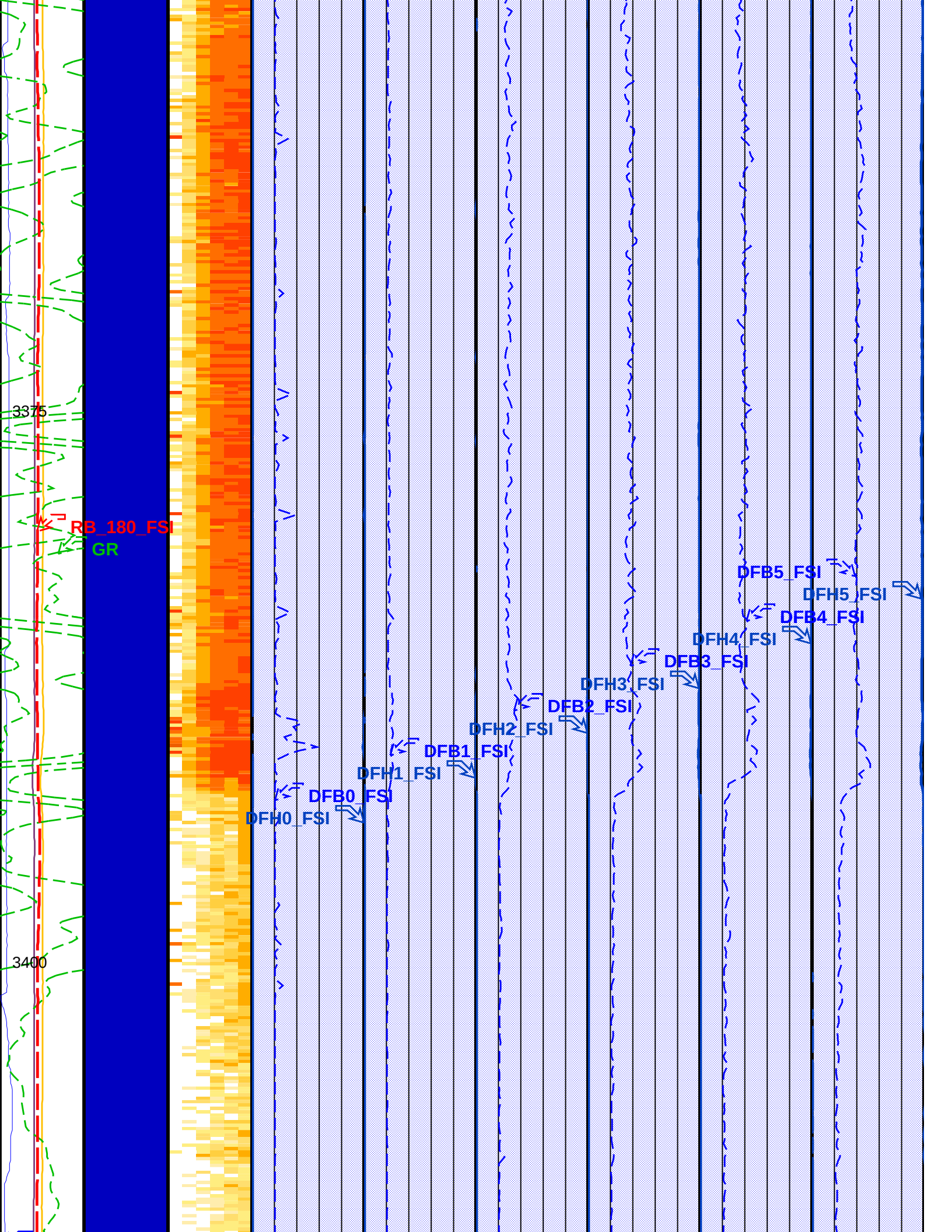



DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
3150
CVEL_FSI
CID_FSI
CALI_FSI
3175


3200
3225
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI


3250
CVEL_FSI
CID_FSI
CALI_FSI
3275
3300


RB_180_FSI
GR
3325
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
CVEL_FSI
CID_FSI
3350
CALI_FSI


3375
3400
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
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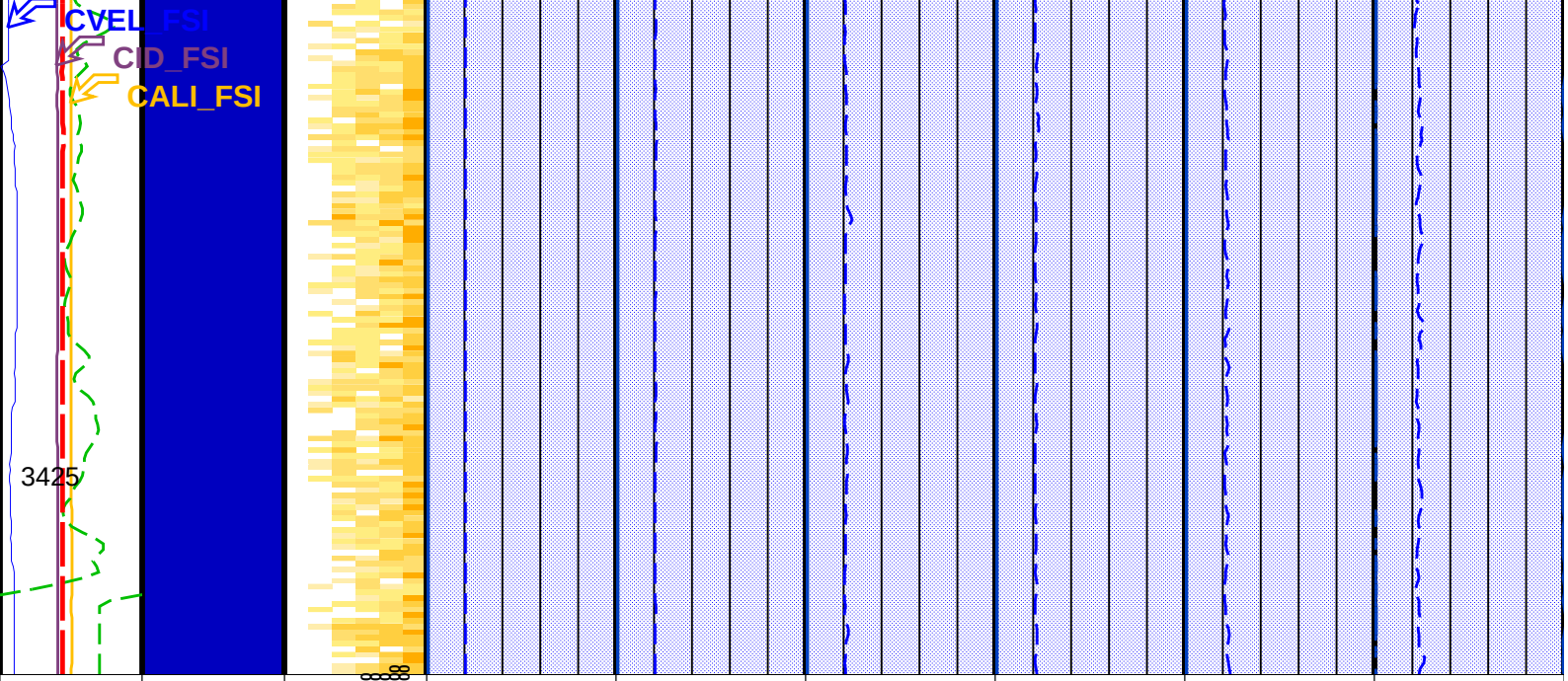
DFH1_FSI
DFB0_FSI
DFH0_FSI



Gamma Ray (GR) (GAPI) 0 150	Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----	Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)	Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1
Calibrated Caliper (CALI_FSI) 0 (IN) 8			Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_FSI) (DEG) −180 180								
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40								

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:59

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
	System and Miscellaneous	
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

Schlumberger

Second flowing down pass−SPINNER
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

Output DLIS Files

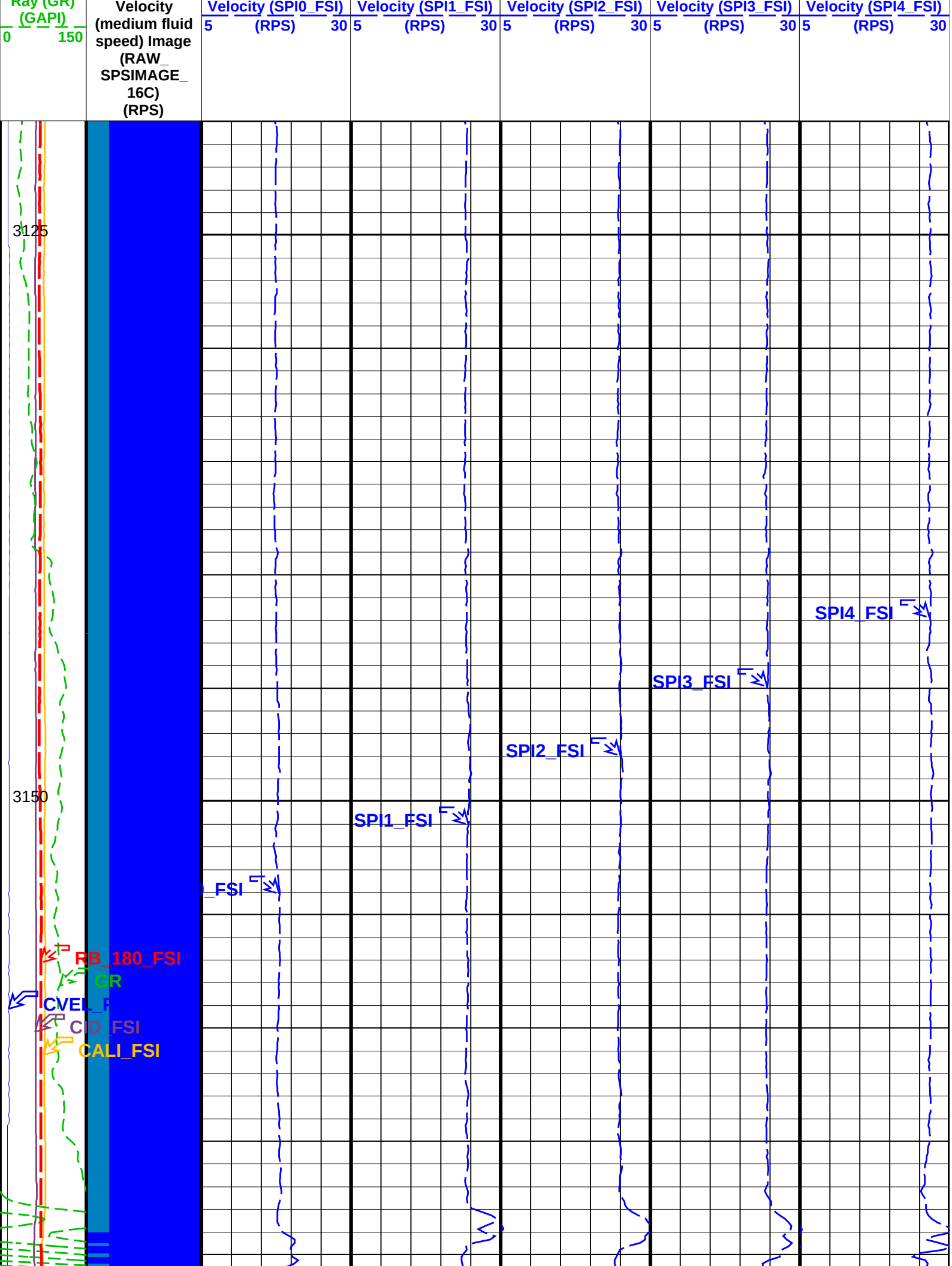
DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

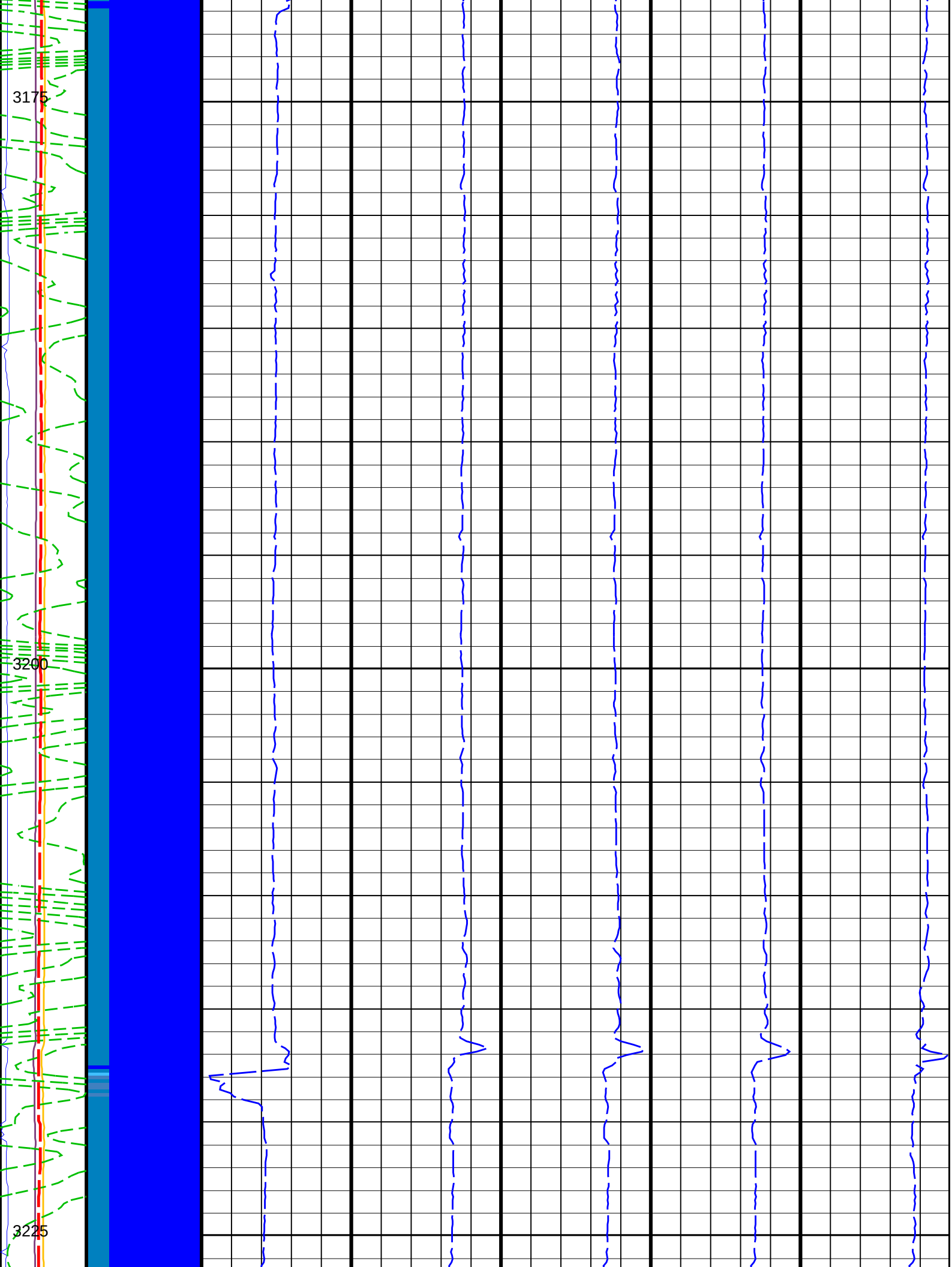
OP System Version: 17C0−154

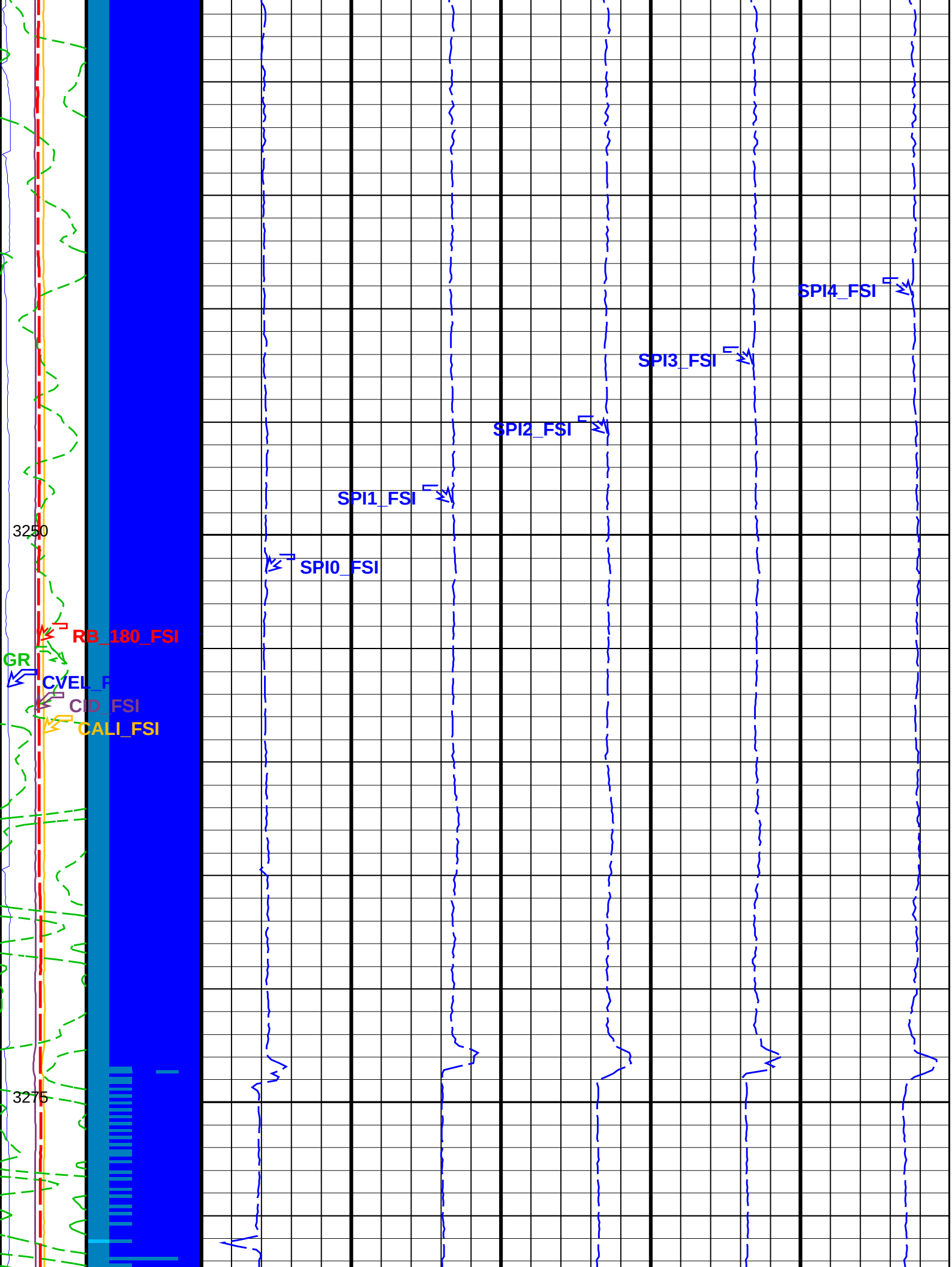
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

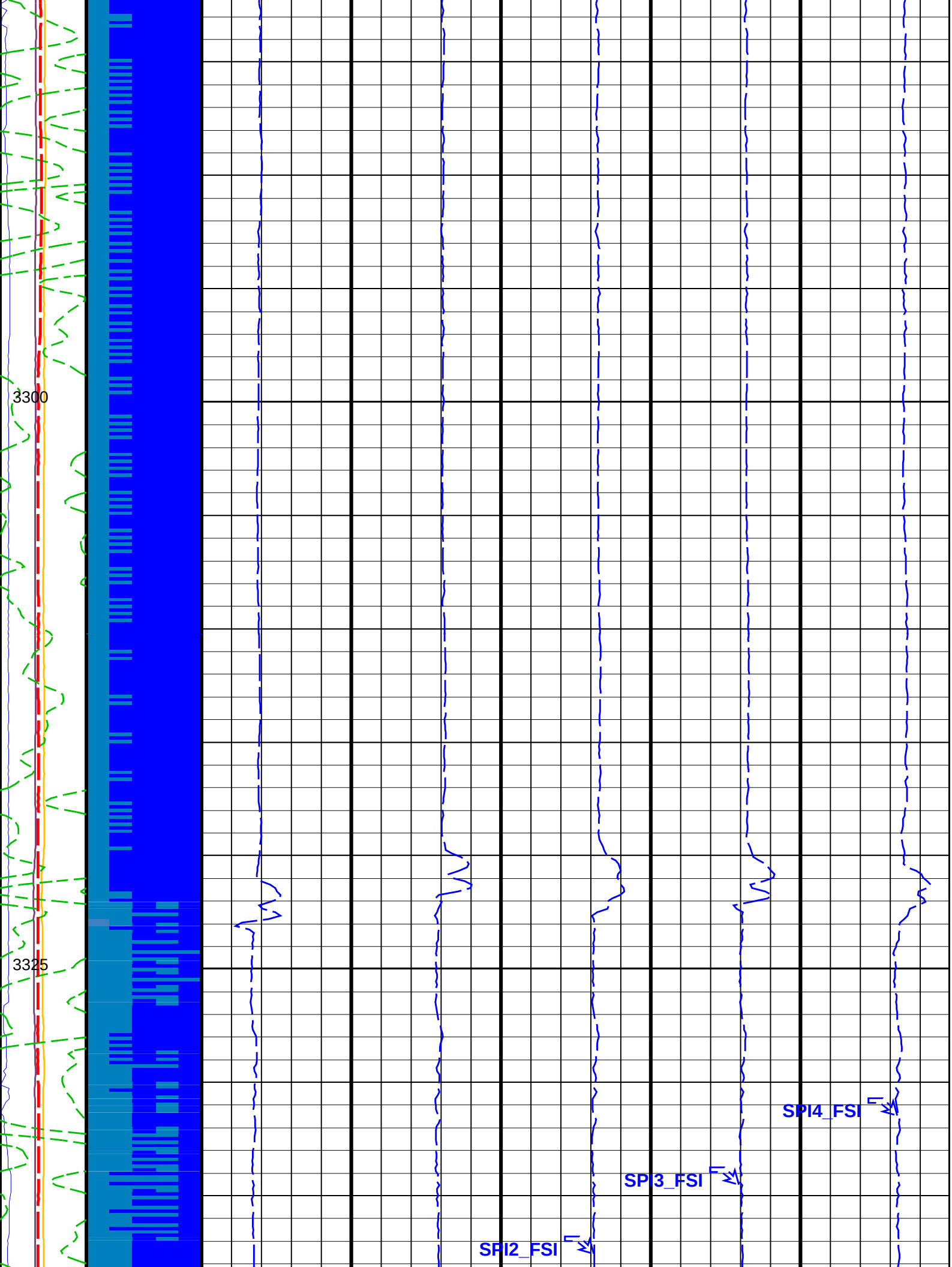
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40	
FSIT RB (RB_180_FSI) (DEG) −180 180	
Calibrated Casing ID (CID_FSI) 0 (IN) 10	
Calibrated Caliper (CALI_FSI) 0 (IN) 8	

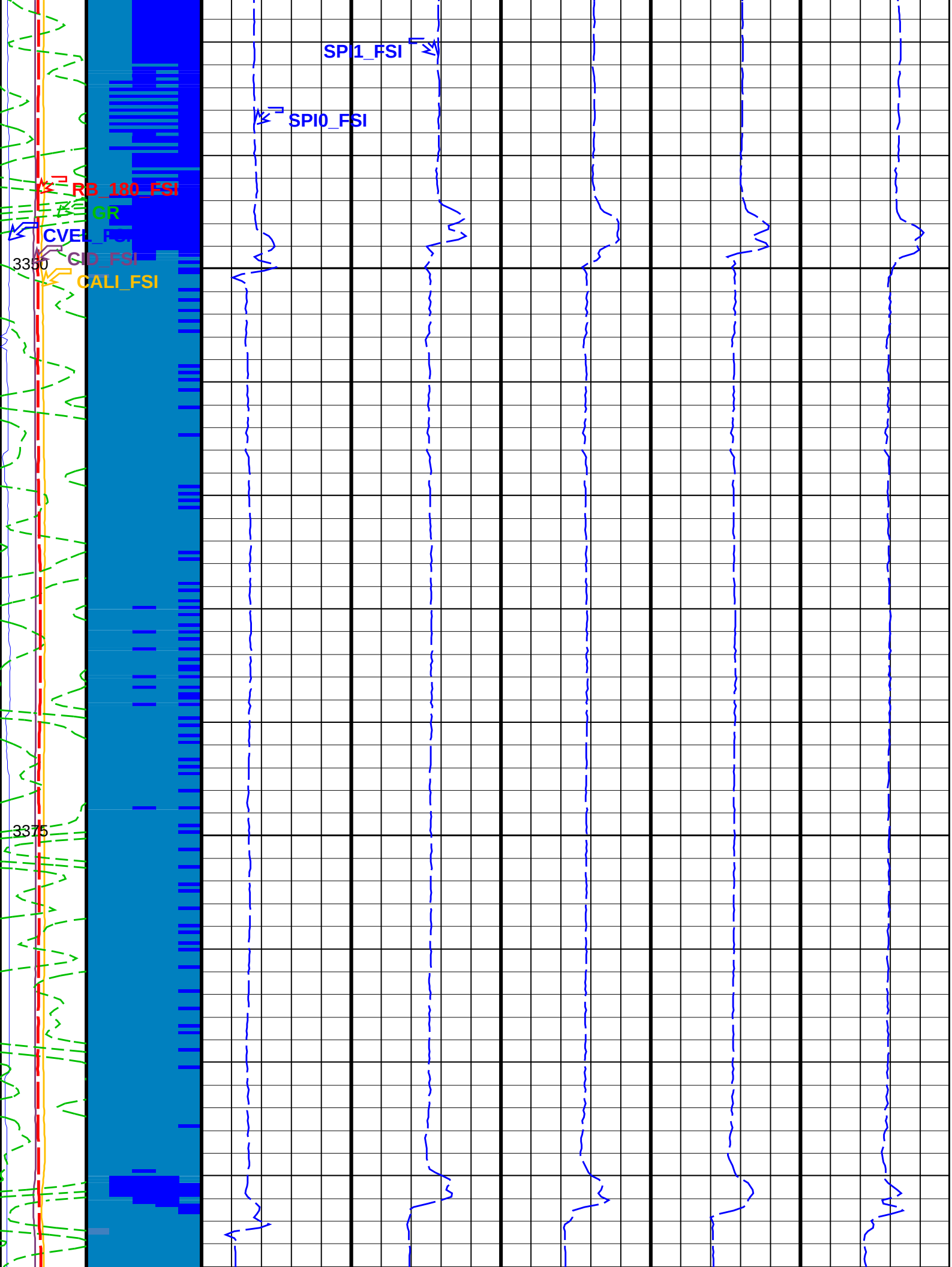
Gamma Ray (GR)	RPS − Rotational	Spinner 0 Rotational	Spinner 1 Rotational	Spinner 2 Rotational	Spinner 3 Rotational	Spinner 4 Rotational

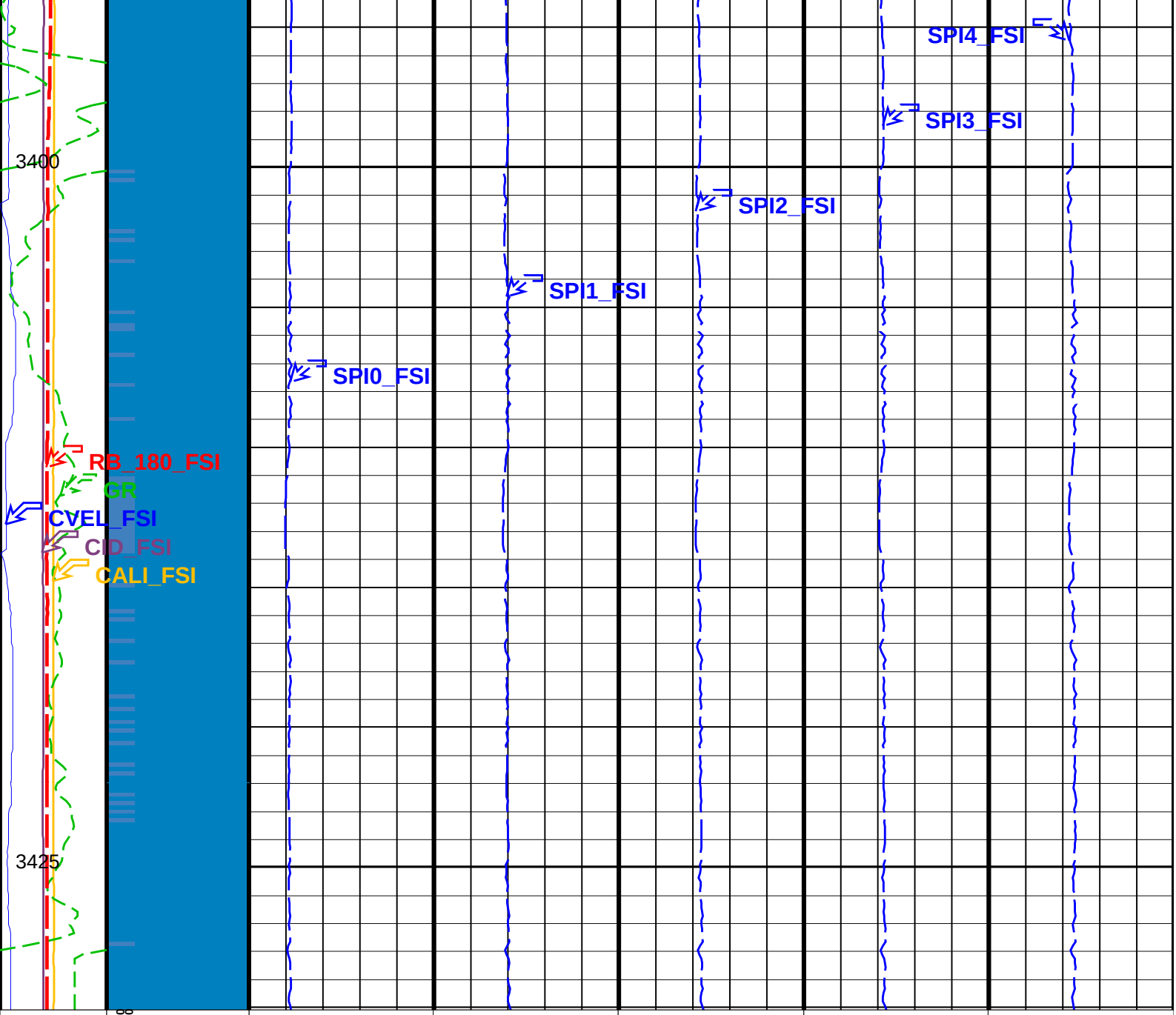

Ray (GR) (GAPI)
0
150
Velocity (medium fluid speed) Image (RAW_ SPSIMAGE_ 16C) (RPS)
Velocity (SPI0_FSI)
5
(RPS)
30
Velocity (SPI1_FSI)
5
(RPS)
30
Velocity (SPI2_FSI)
5
(RPS)
30
Velocity (SPI3_FSI)
5
(RPS)
30
Velocity (SPI4_FSI)
5
(RPS)
30
3125
3150
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
RB_180_FSI
GR
CVEL_F
CID_FSI
CALI_FSI


3175
3200
3225


SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
3250
SPI0_FSI
RB_180_FSI
GR
CVEL_F
CID_FSI
CALI_FSI
3275


3300
3325
SPI4_FSI
SPI3_FSI
SPI2_FSI


SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI
3350
3375



Gamma Ray (GR) (GAPI) 0 – 150	RPS – Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 5 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 5 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 5 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 5 (RPS) 30
Calibrated Caliper (CALI_FSI) 0 (IN) 8						
Calibrated Casing ID (CID_FSI) 0 (IN) 10						
FSIT RB (RB_180_FSI)						

(DEG)
−180 180

Cable Velocity Memorized (CVEL_FSI) (M/MN)
0 40

Format: FSI_SPINNER_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:59

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
	System and Miscellaneous	
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

Schlumberger

Second flowing down pass − PSP Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

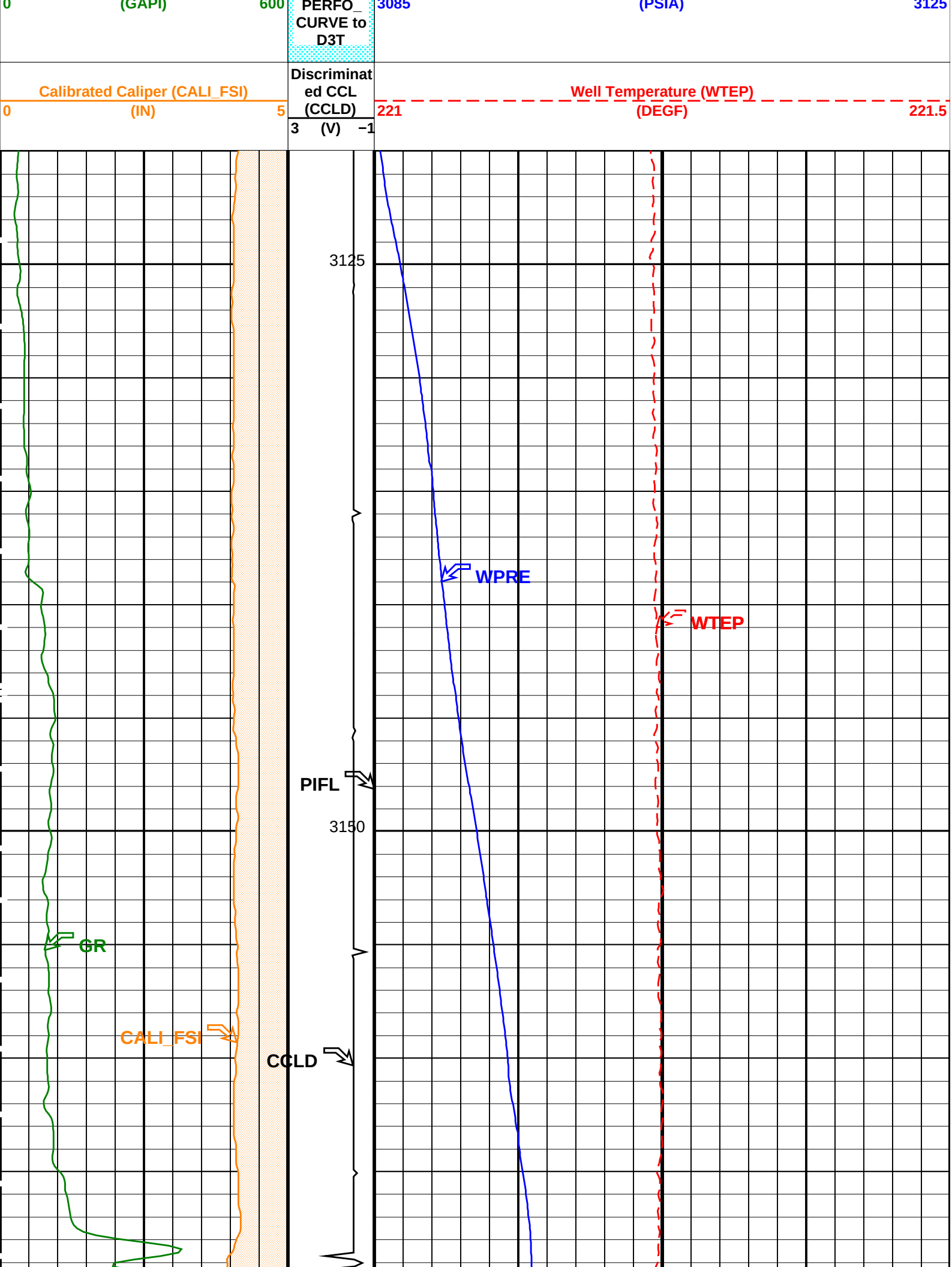
OP System Version: 17C0−154

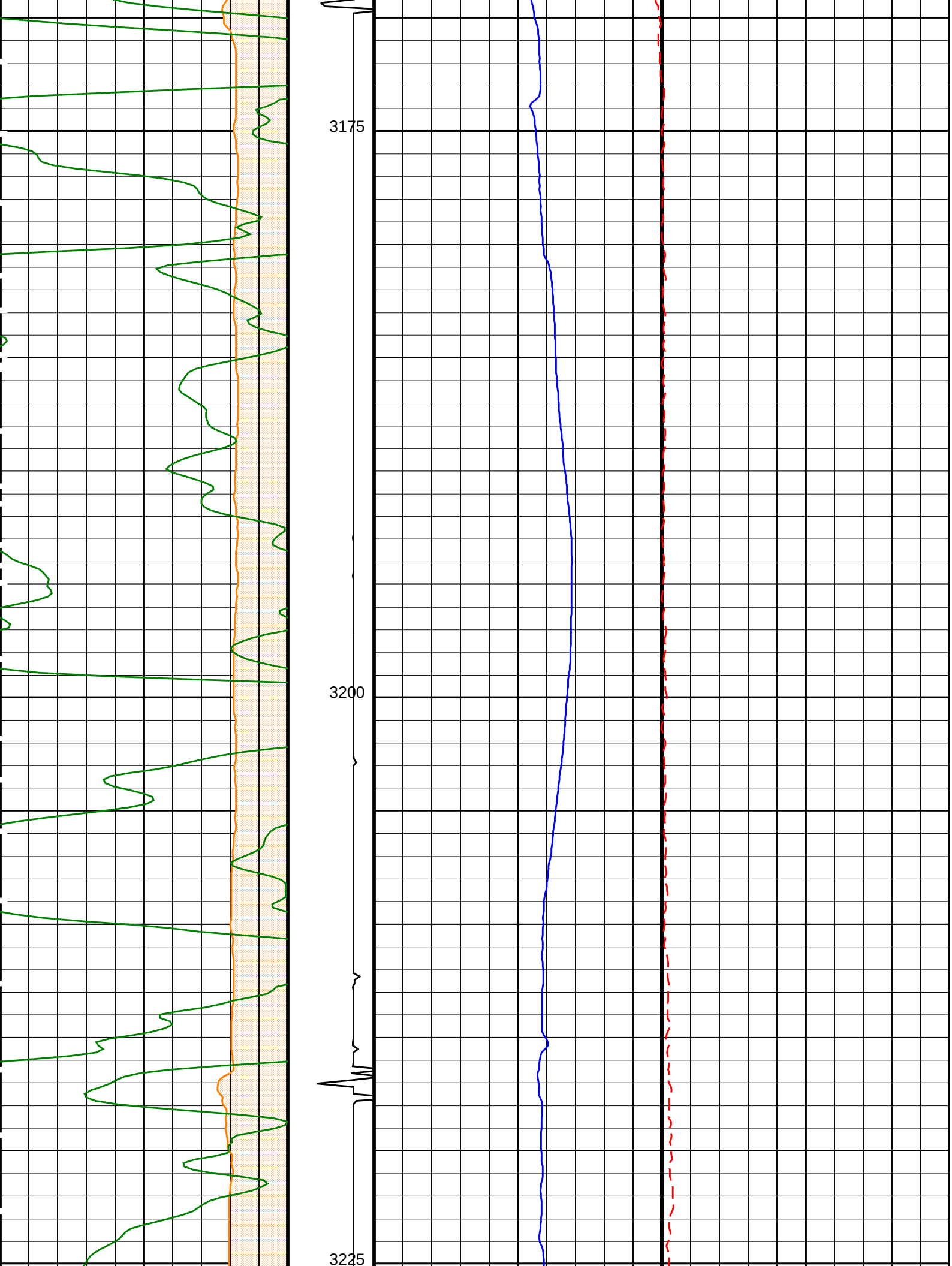
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

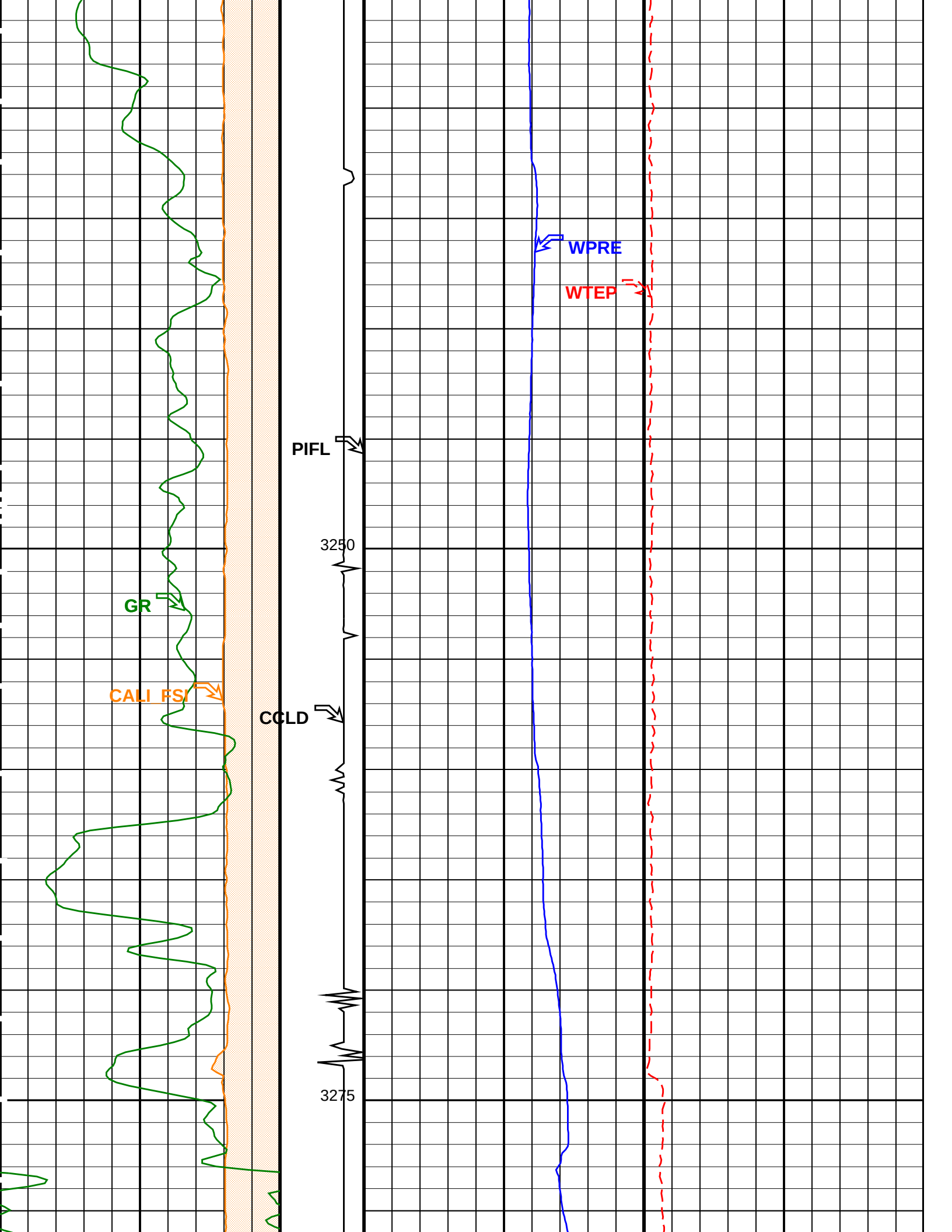
PIP SUMMARY

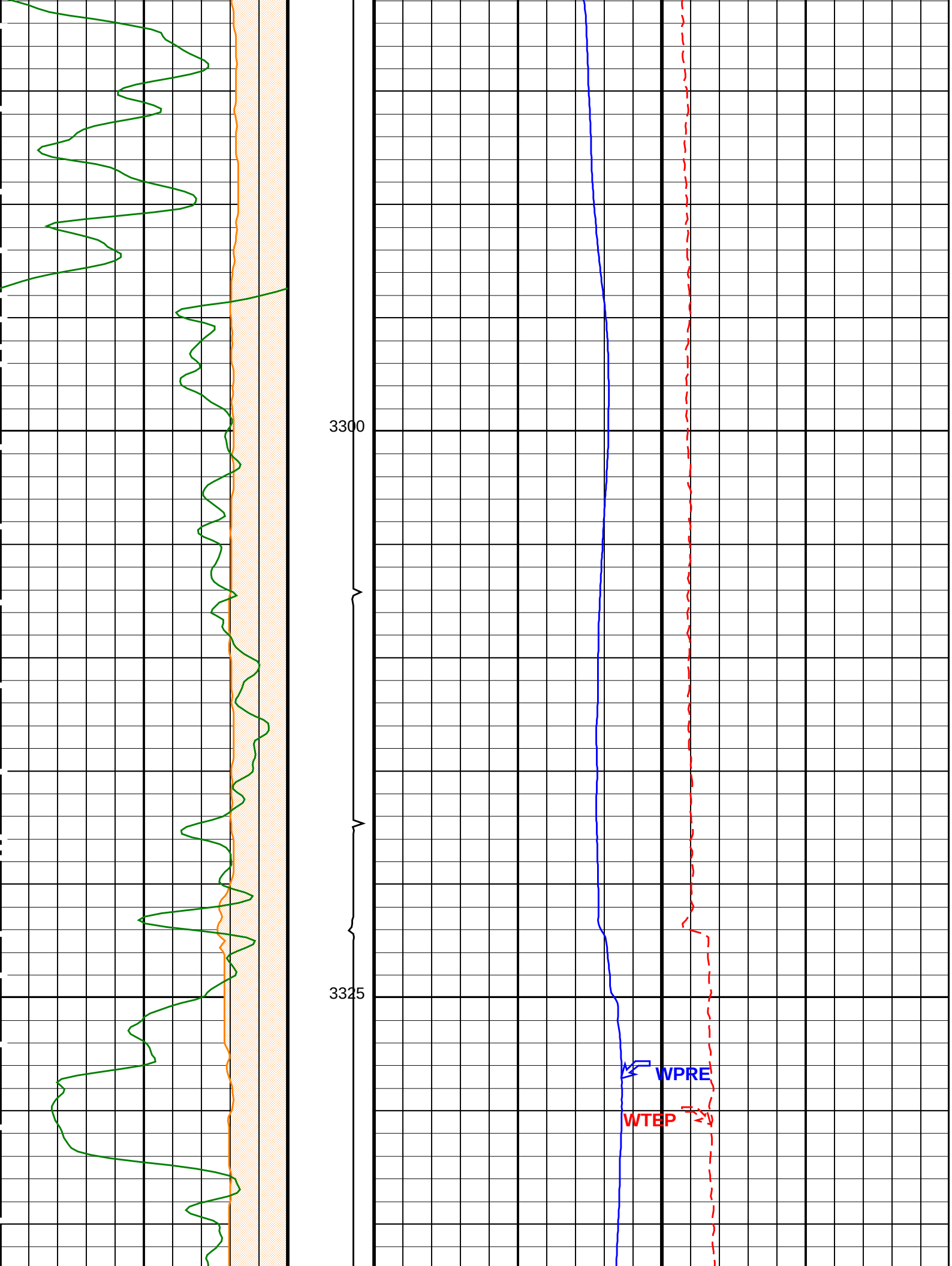
Time Mark Every 60 S

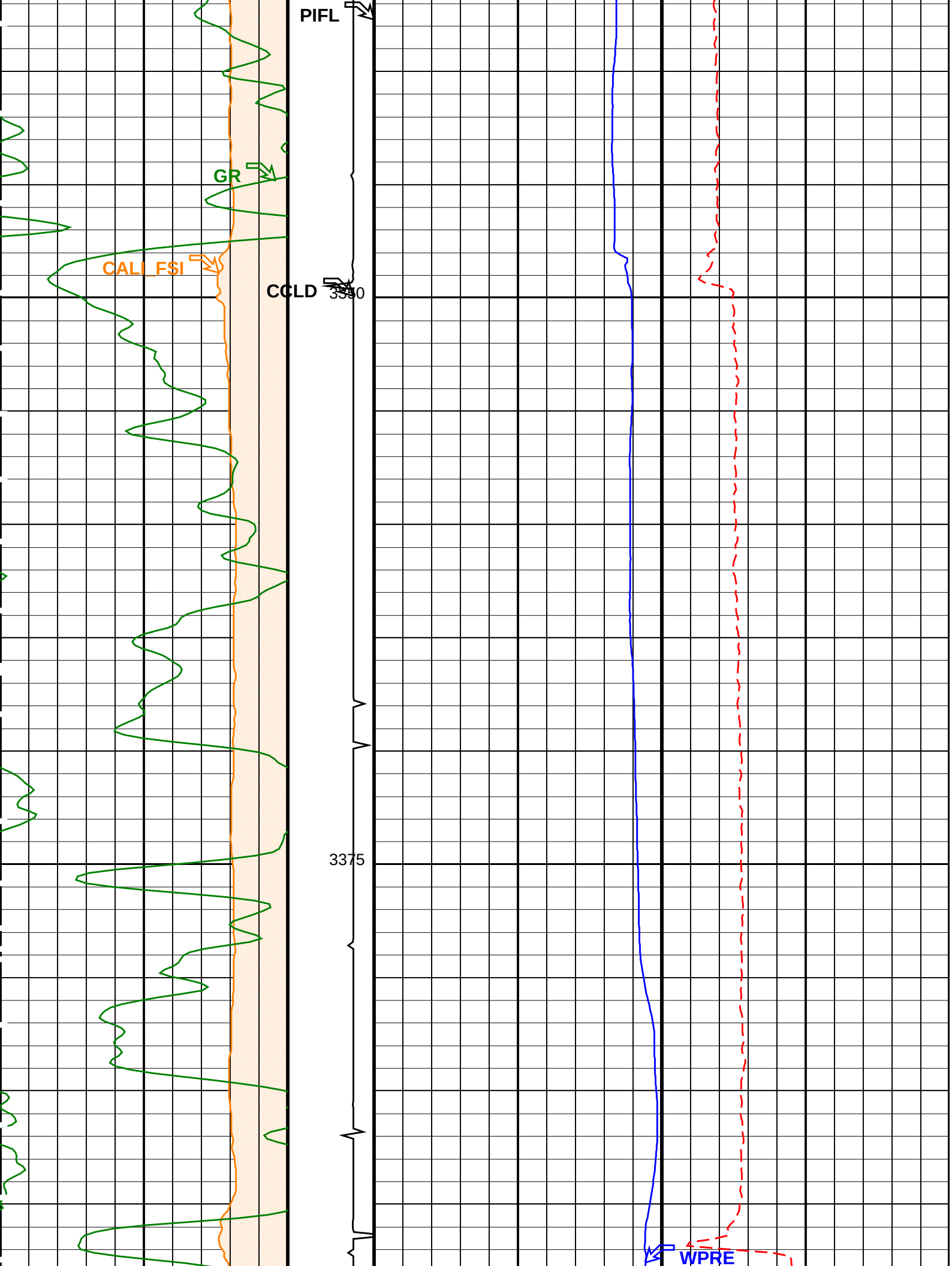
Gamma Ray (GR)	Perfo Zone From	Well Pressure (WPRE)

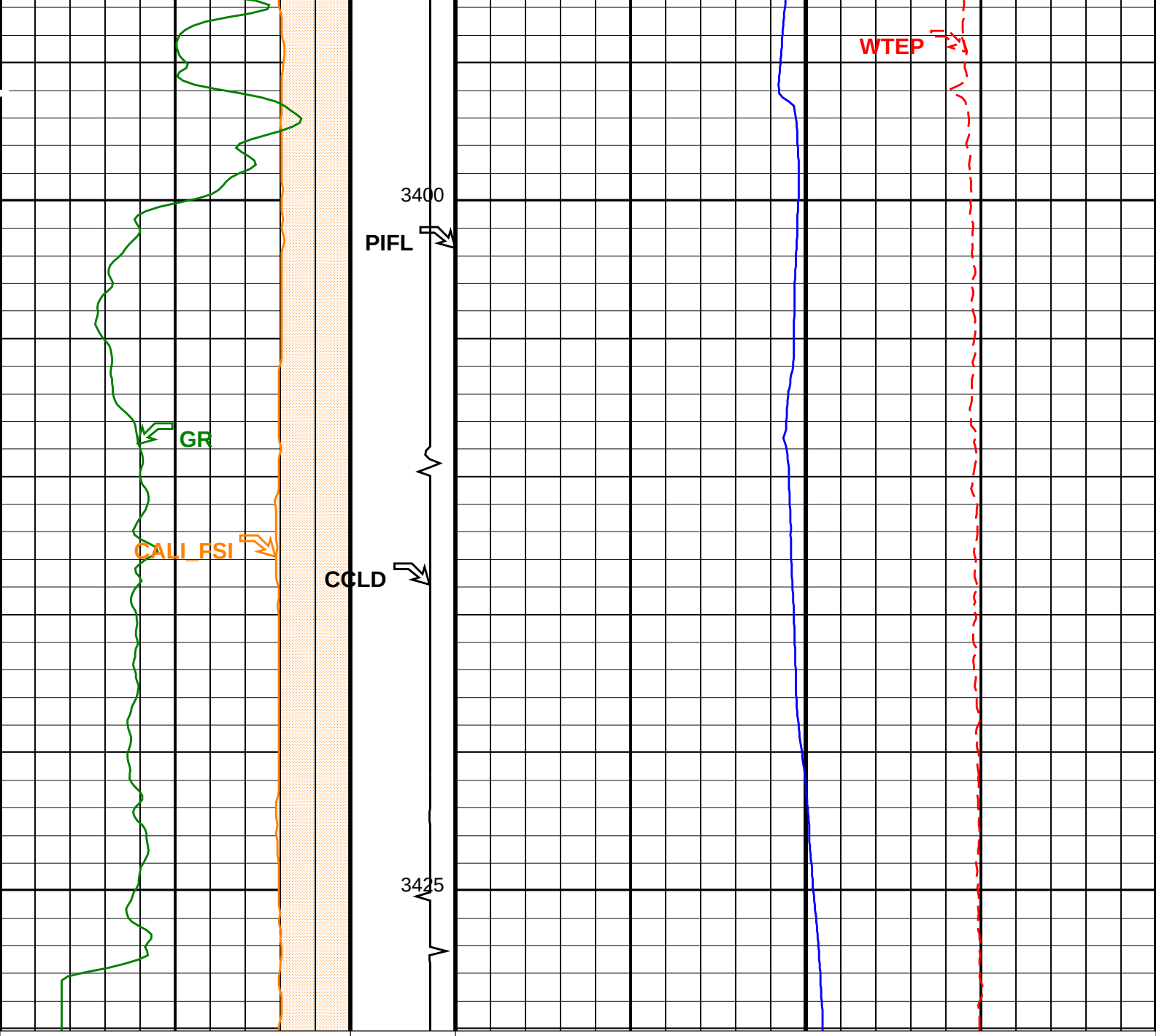

0
(GAPI)
600
PERFO_
CURVE to
D3T
3085
(PSIA)
3125
Calibrated Caliper (CALI_FSI)
0
(IN)
5
Discriminat
ed CCL
(CCLD)
3
(V)
−1
Well Temperature (WTEP)
221
(DEGF)
221.5
3125
WPRE
WTEP
PIFL
3150
GR
CALI_FSI
CCLD


3175
3200
3225


WPRE
WTEP
PIFL
3250
GR
CALI_FSI
CCLD
3275


3300
3325
WPRE
WTEP


PIFL
GR
CALI_FSI
CCLD
3350
3375
WPRE



Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	221 (DEGF) 221.5
Gamma Ray (GR)	**Perfo Zone From PERFO_CURVE to D3T**	**Well Pressure (WPRE)**
0 (GAPI) 600		3085 (PSIA) 3125

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:59

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_931	PRODUCER	20−Aug−2009 13:59	3430.2 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_932PUP	FN:35	PRODUCER	20−Aug−2009 13:59

Schlumberger

Flowing up pass @ 20m/min−EPROBE
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

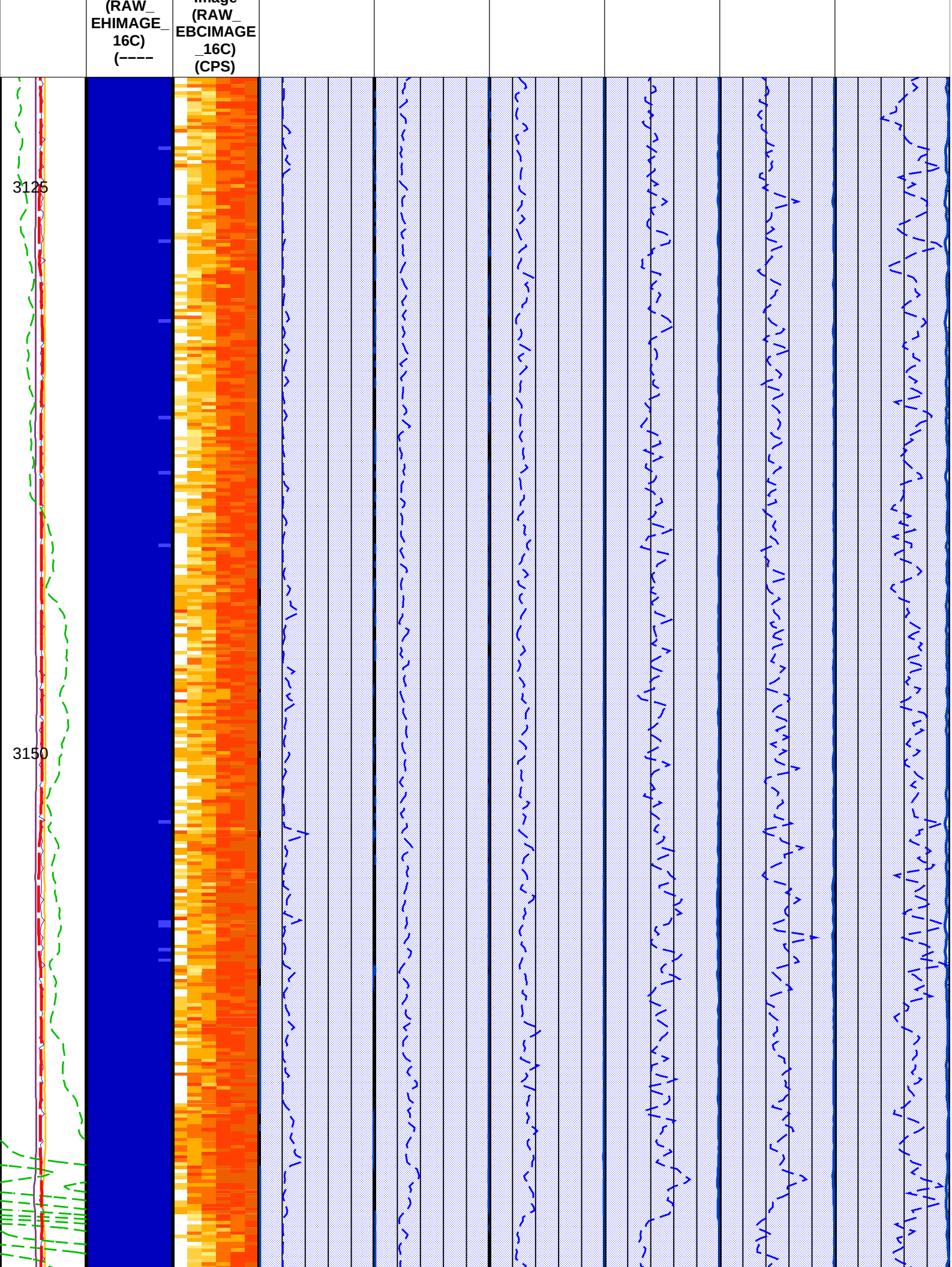
Output DLIS Files

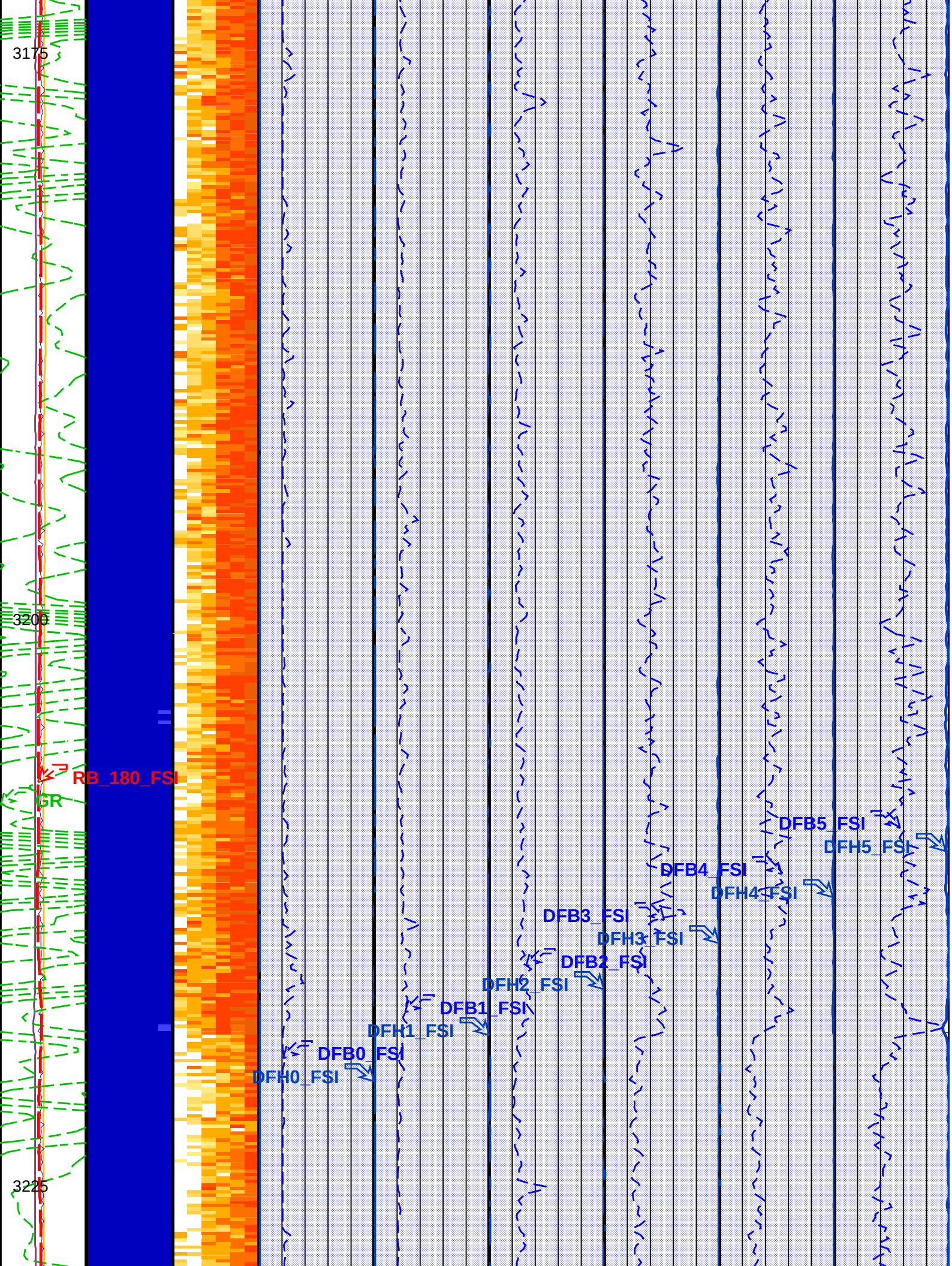
DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27	3430.1 M	3120.0 M

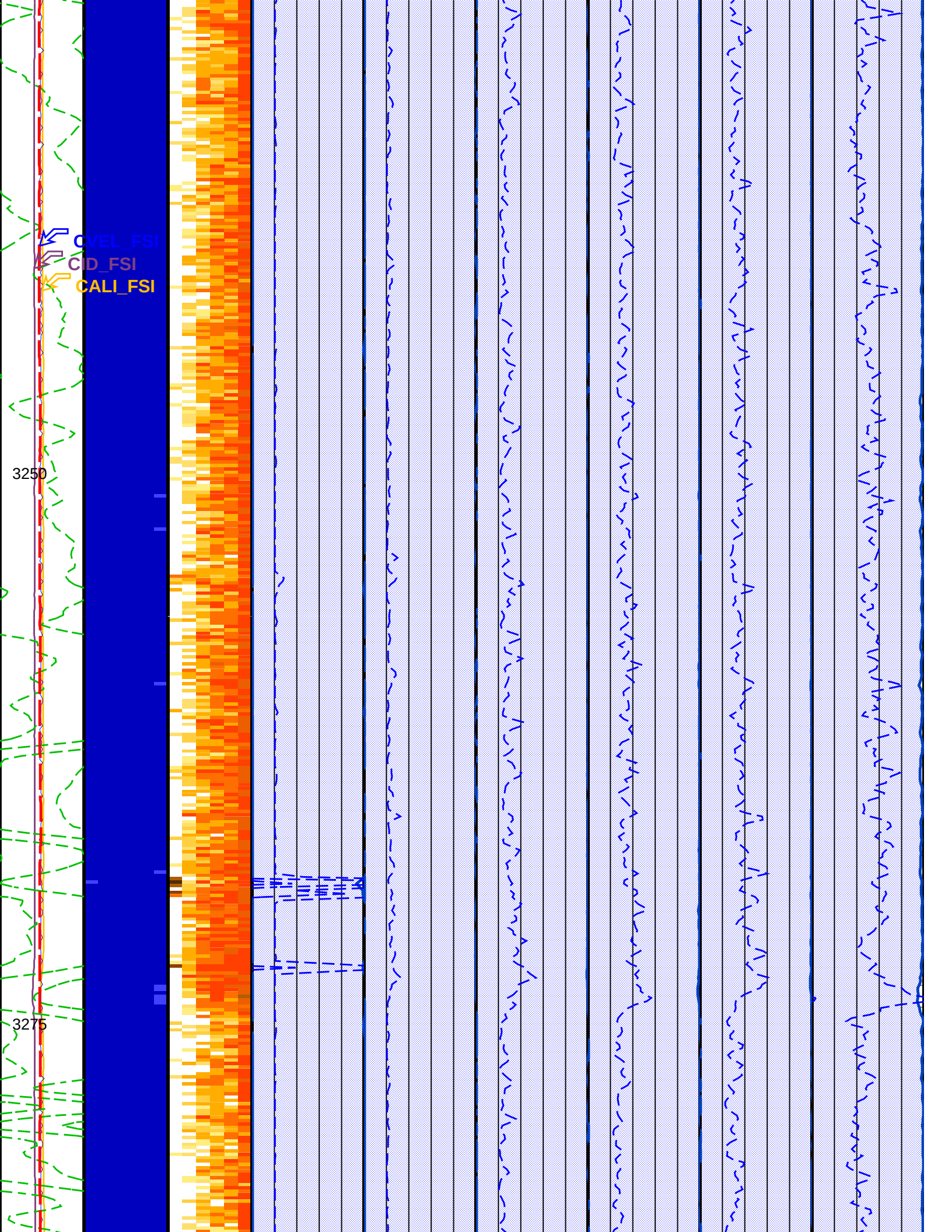
OP System Version: 17C0−154

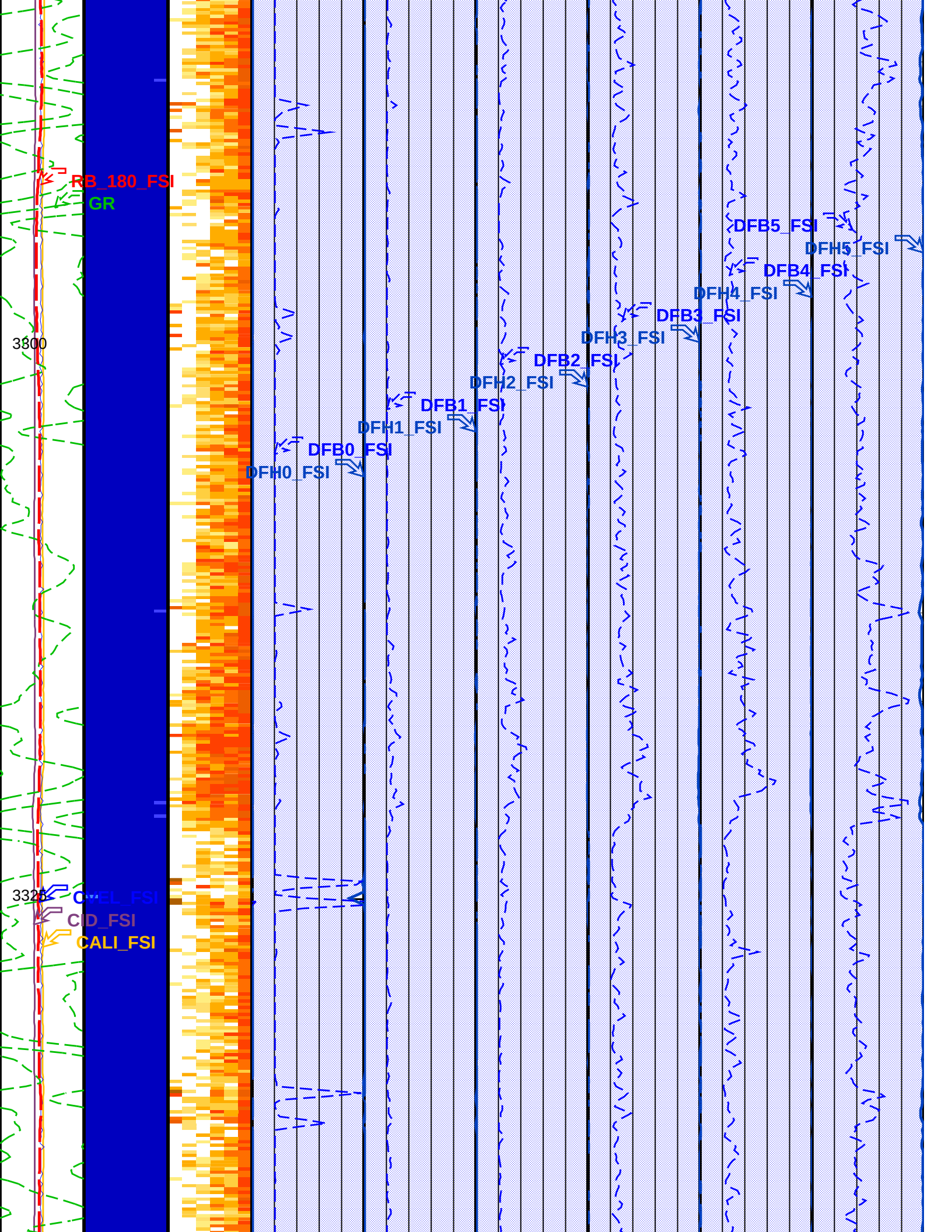
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

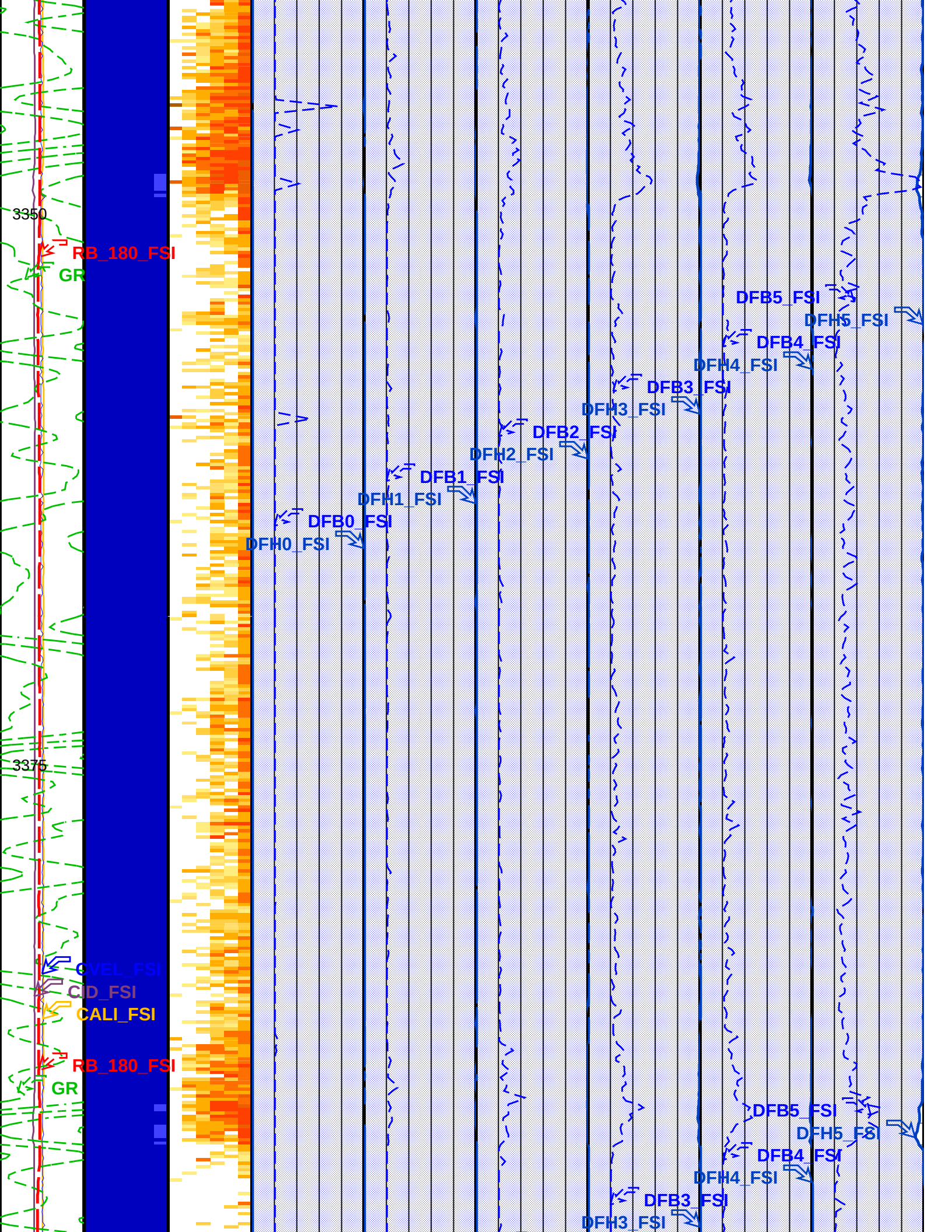
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40												
FSIT RB (RB_180_FSI) (DEG) −180 180												
Calibrated Casing ID (CID_FSI) 0 (IN) 10				EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5			
Calibrated Caliper (CALI_FSI) 0 (IN) 8				Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400			
Gamma Ray (GR) (GAPI) 0 150	0.0000 0.0500 0.1500 0.2500 0.3500 0.5000 0.6500 0.7500 0.8500 0.9500 Electrical Probe Holdup Image	0.0000 1.0000 2.0000 5.0000 10.0000 20.0000 100.0000 1000.0000 2000.0000 Electrical Probe Bubble Count Image		Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (−−−− 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (−−−− 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (−−−− 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (−−−− 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (−−−− 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (−−−− 1			

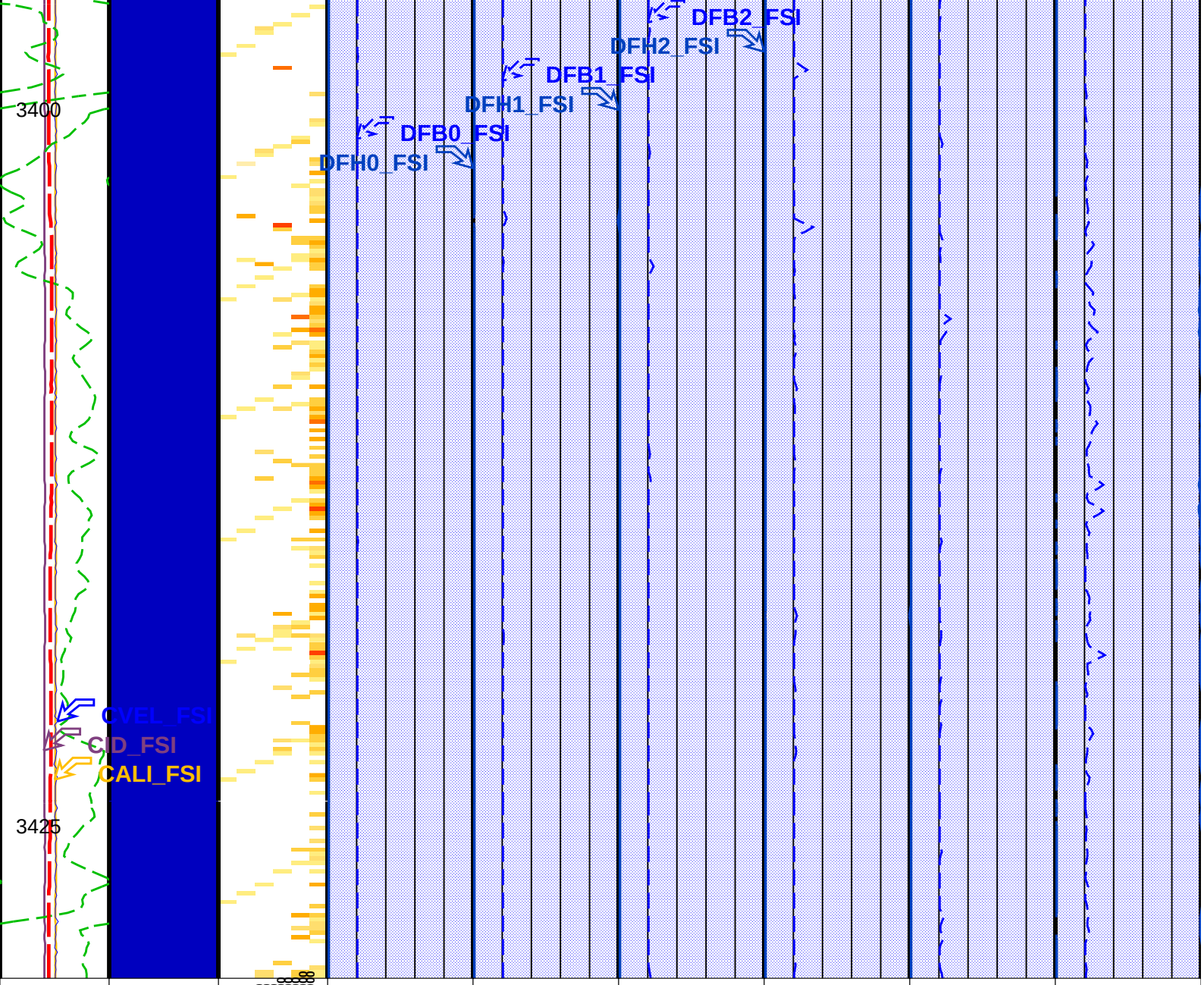

(RAW_
EHIMAGE_
16C)
(----
Image
(RAW_
EBCIMAGE
_16C)
(CPS)
3125
3150


3175
3200
3225
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI


CVEL_FSI
CID_FSI
CALI_FSI
3250
3275


RB_180_FSI
GR
3800
3325
CVEL_FSI
CID_FSI
CALI_FSI
DFB0_FSI
DFH0_FSI
DFB1_FSI
DFH1_FSI
DFB2_FSI
DFH2_FSI
DFB3_FSI
DFH3_FSI
DFB4_FSI
DFH4_FSI
DFB5_FSI
DFH5_FSI


3350
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
3375
CVEL_FSI
CID_FSI
CALI_FSI
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI



Gamma Ray (GR) (GAPI) 0 150	Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----	Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)	Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1
Calibrated Caliper (CALI_FSI) 0 (IN) 8			Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_FSI) (DEG)								

−180 180

Cable Velocity Memorized (CVEL_FSI) (M/MN)

0 40

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:27

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27

Schlumberger

Flowing up pass @ 20m/min−SPINNER
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Cable Velocity Memorized (CVEL_FSI) (M/MN)

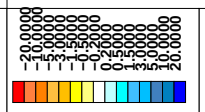
0 40

FSIT RB (RB_180_FSI) (DEG)
−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

Calibrated Caliper (CALI_FSI)
0 (IN) 8

Gamma Ray (GR) (GAPI)
0 150



RPS − Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)

Spinner 0 Rotational Velocity (SPI0_FSI)
5 (RPS) 30

Spinner 1 Rotational Velocity (SPI1_FSI)
5 (RPS) 30

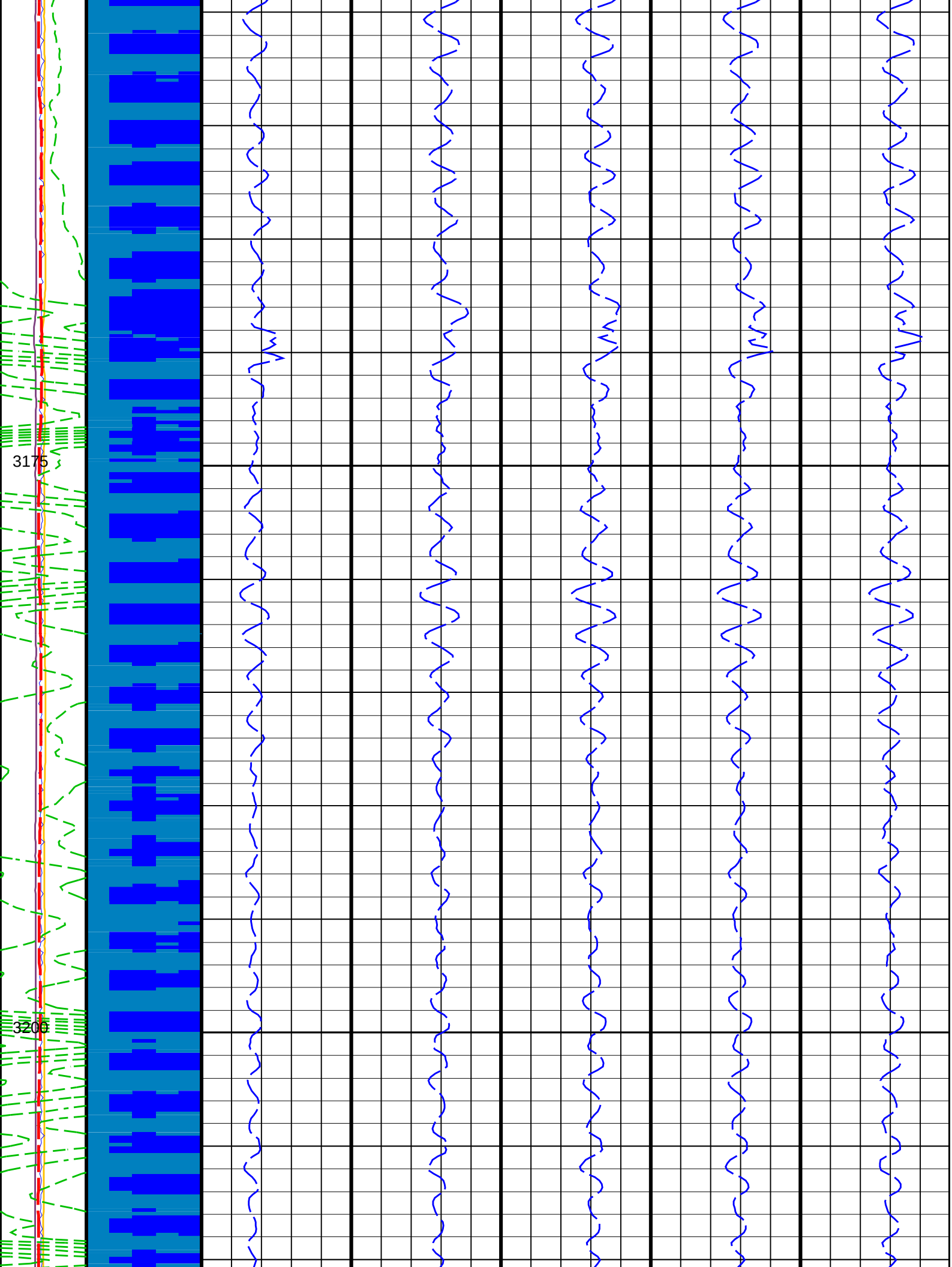
Spinner 2 Rotational Velocity (SPI2_FSI)
5 (RPS) 30

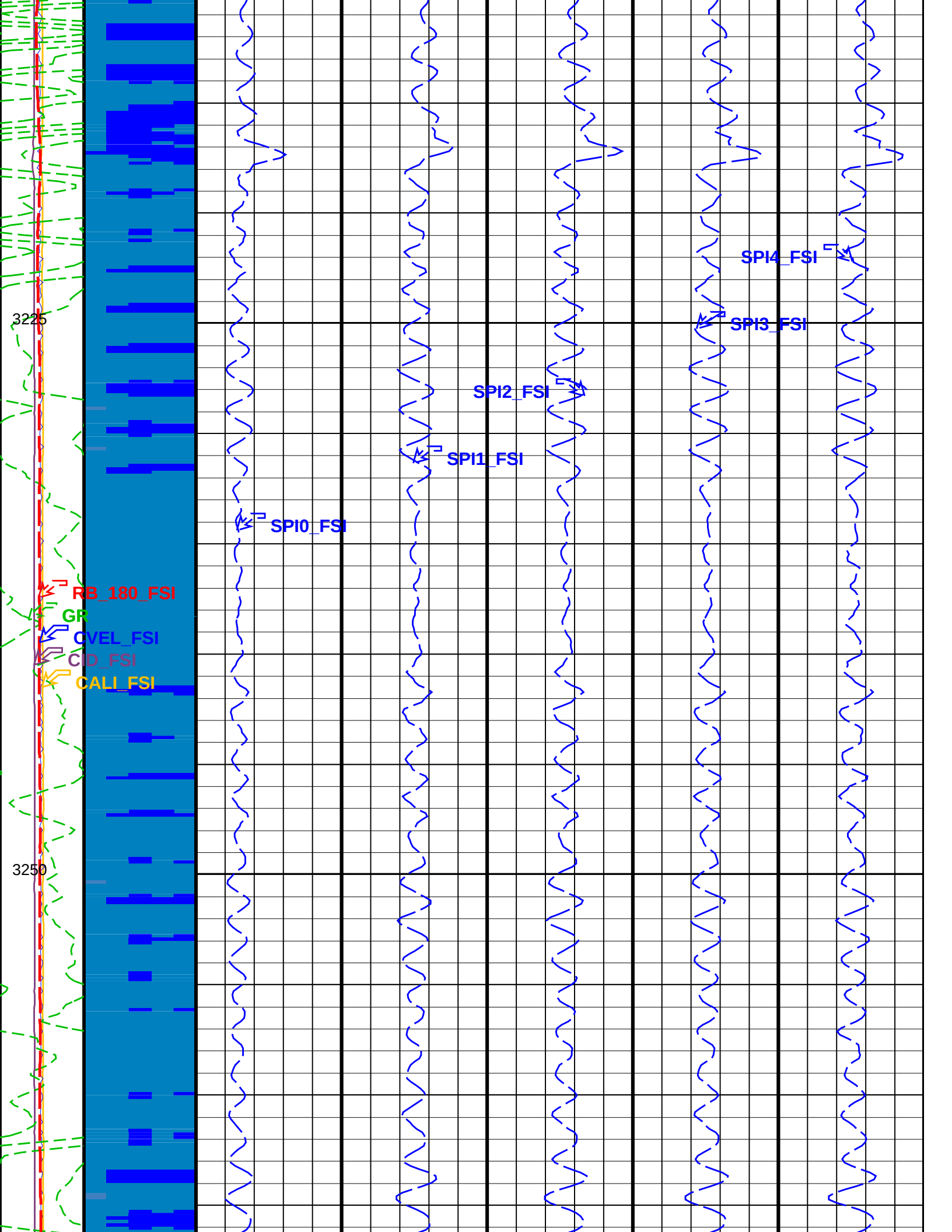
Spinner 3 Rotational Velocity (SPI3_FSI)
5 (RPS) 30

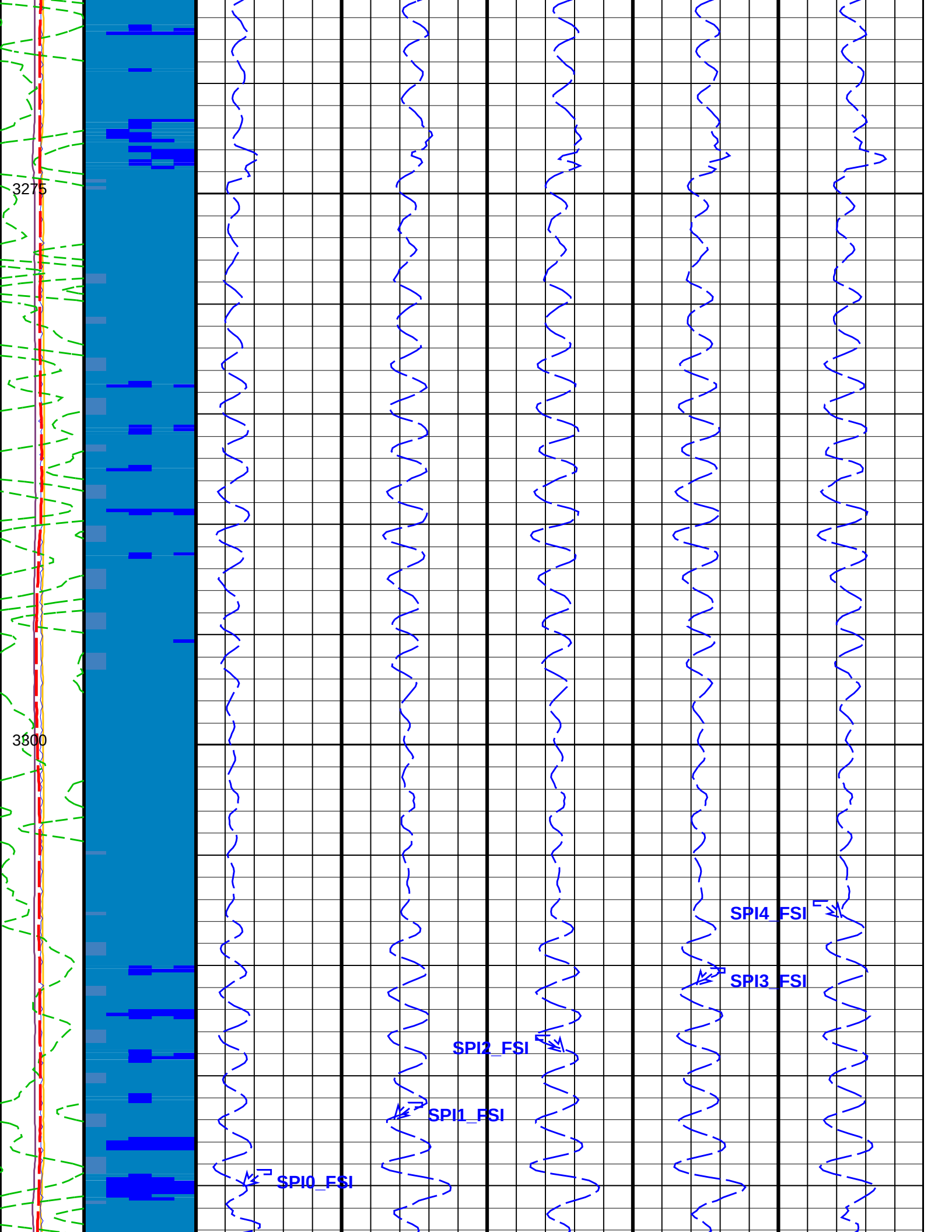
Spinner 4 Rotational Velocity (SPI4_FSI)
5 (RPS) 30

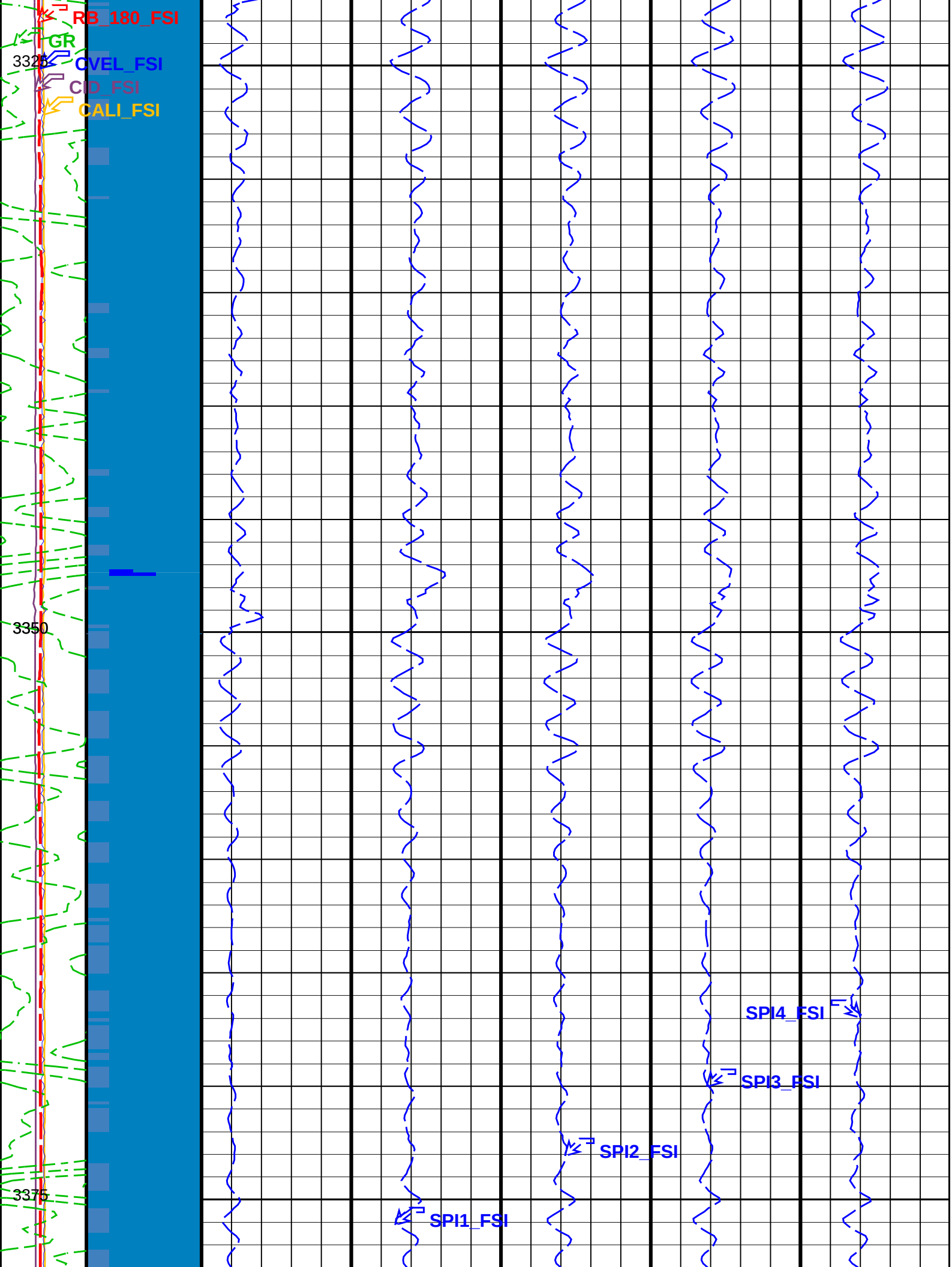
3125

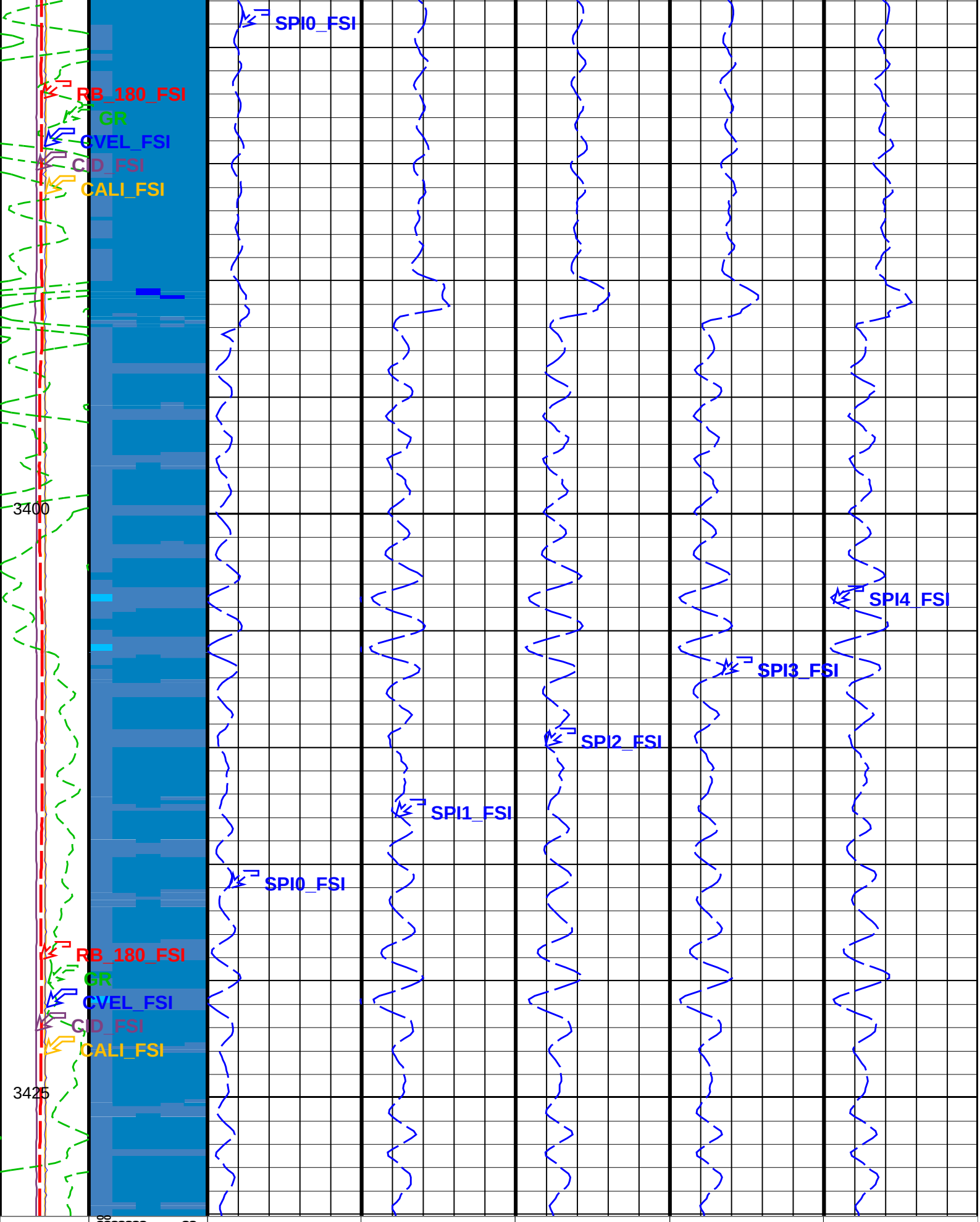
3150


3175
3200


3225
3250
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI


3275
3300
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI


RB_180_FSI
GR
3325
CVEL_FSI
CID_FSI
CALI_FSI
3350
SPI4_FSI
SPI3_FSI
SPI2_FSI
3375
SPI1_FSI



Gamma

RPS – Rotational

Spinner 0 Rotational | Spinner 1 Rotational | Spinner 2 Rotational | Spinner 3 Rotational | Spinner 4 Rotational

Ray (GR) (GAPI) 0 150	Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 5 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 5 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 5 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 5 (RPS) 30
Calibrated Caliper (CALI_FSI) 0 (IN) 8						
Calibrated Casing ID (CID_FSI) 0 (IN) 10						
FSIT RB (RB_180_FSI) (DEG) −180 180						
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40						

Format: FSI_SPINNER_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:27

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27

Schlumberger

Flowing up pass @ 20m/min−PSP
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

Output DLIS Files

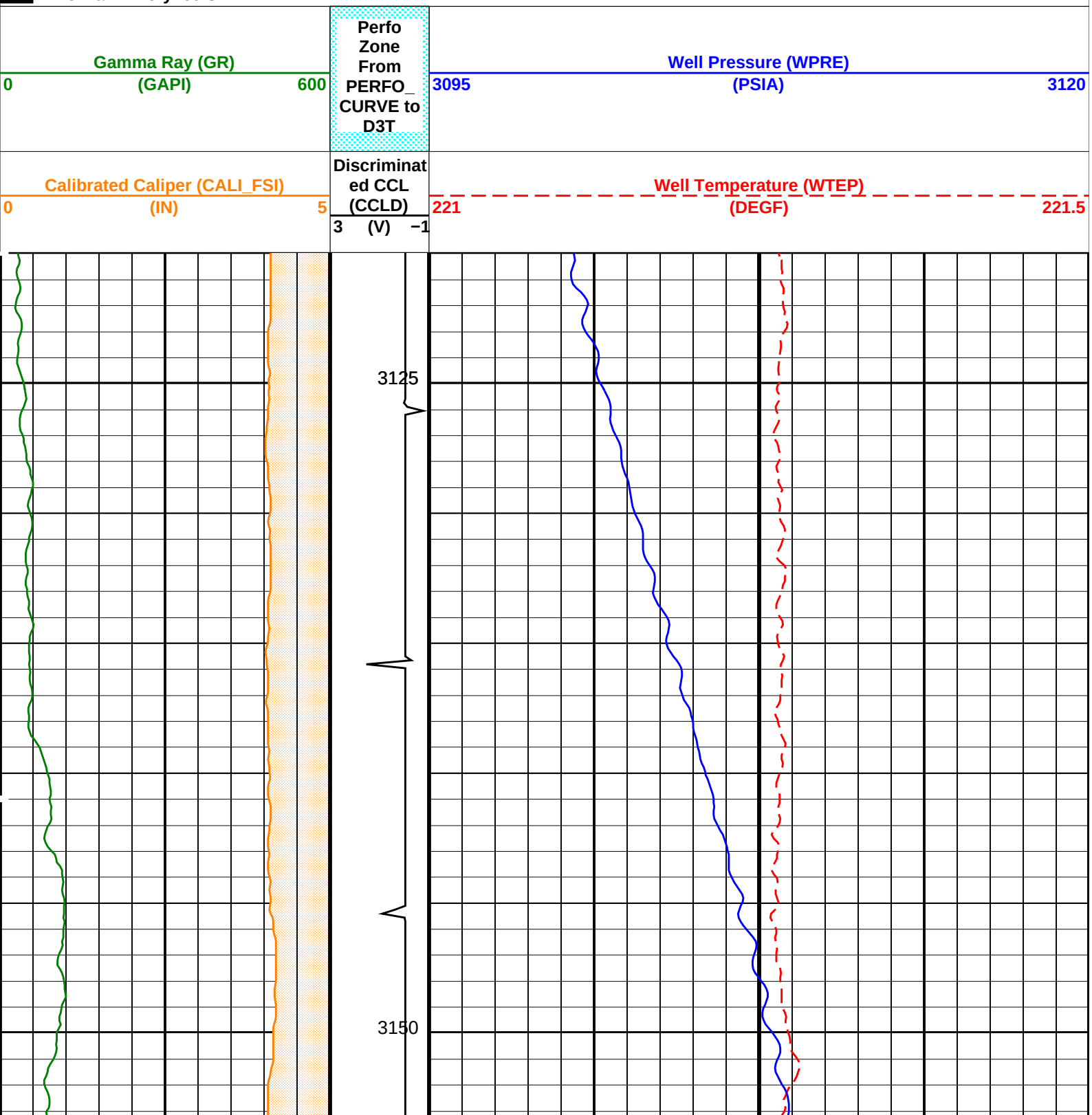
DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27

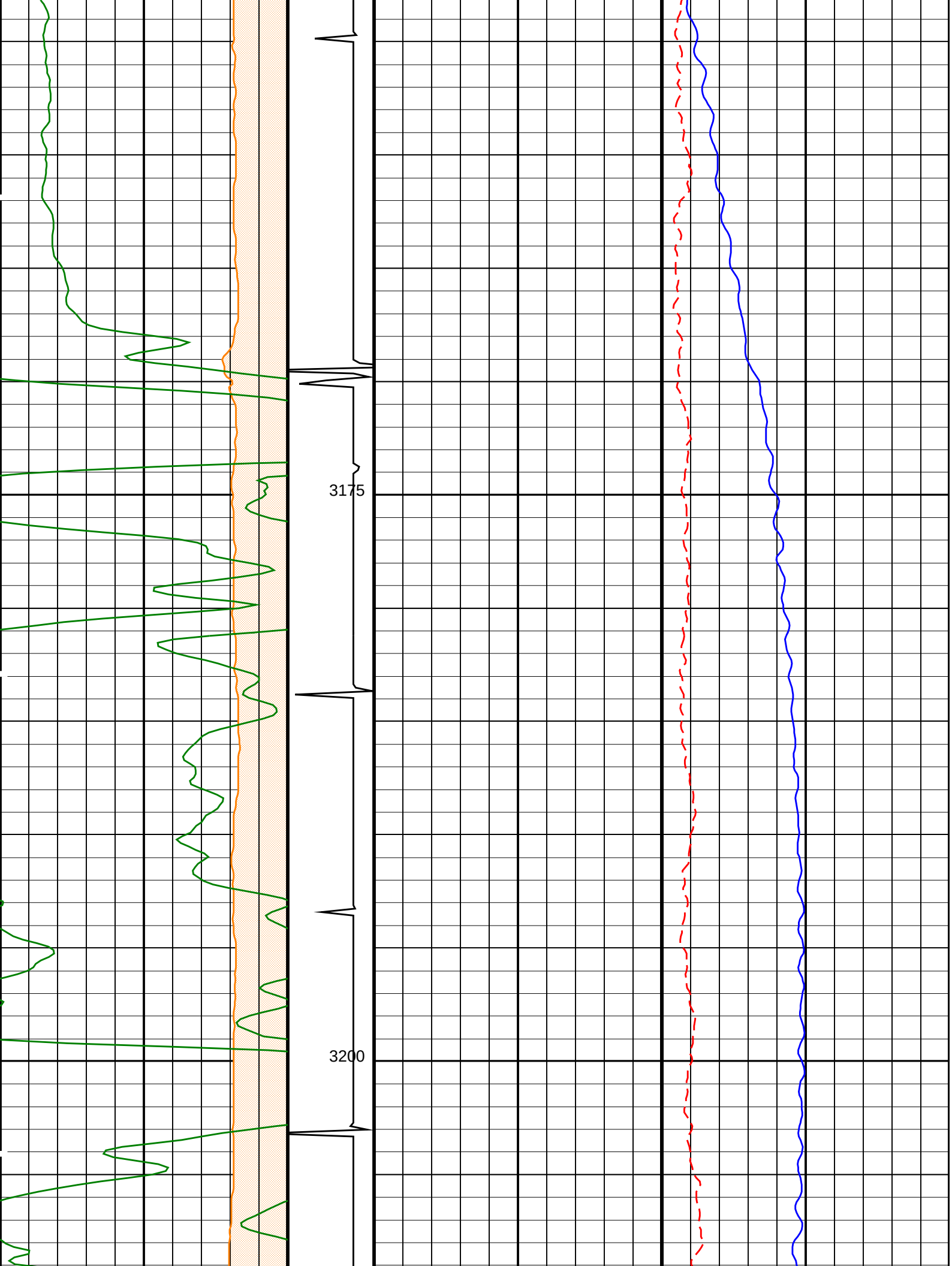
OP System Version: 17C0−154

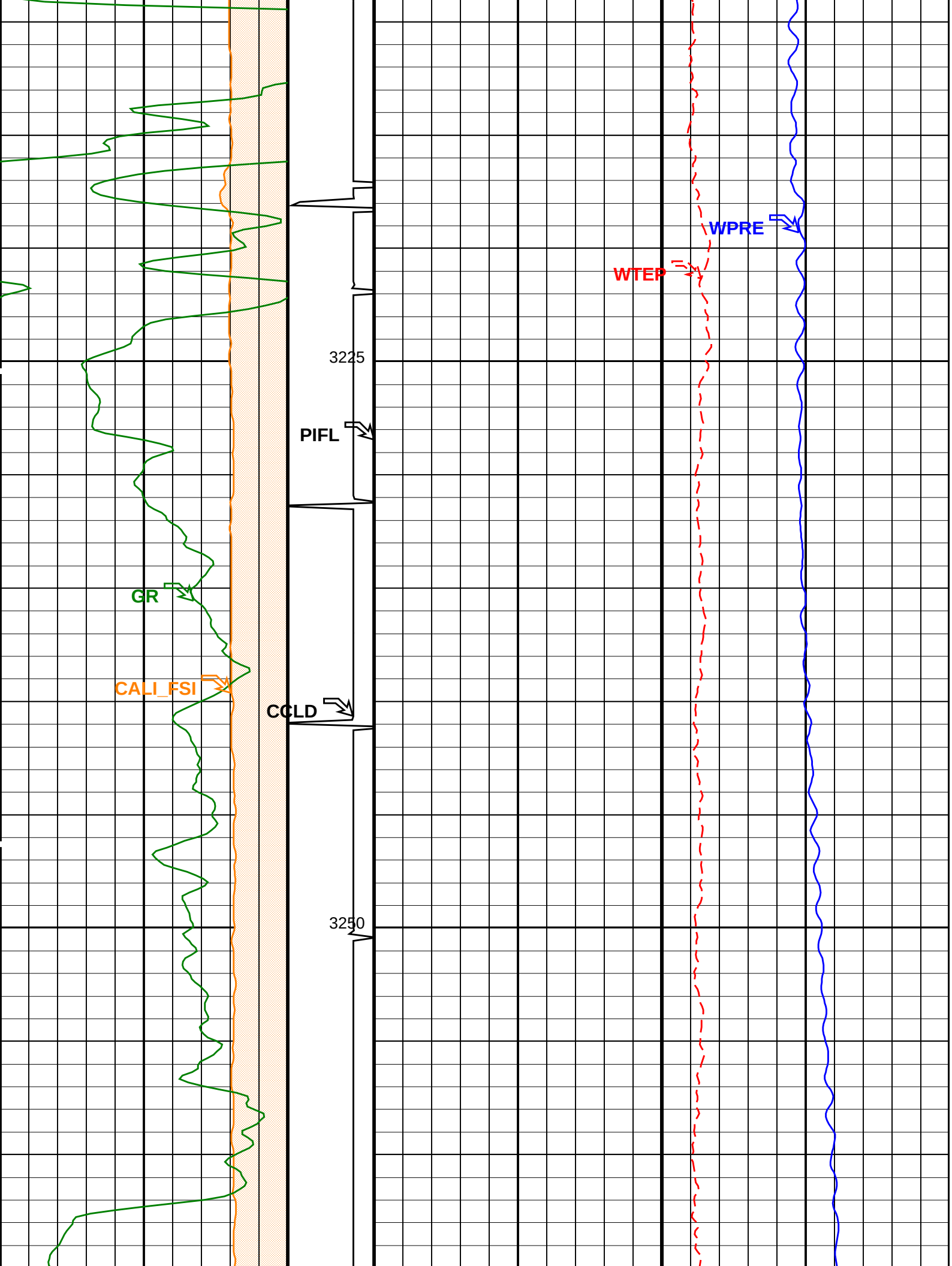
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

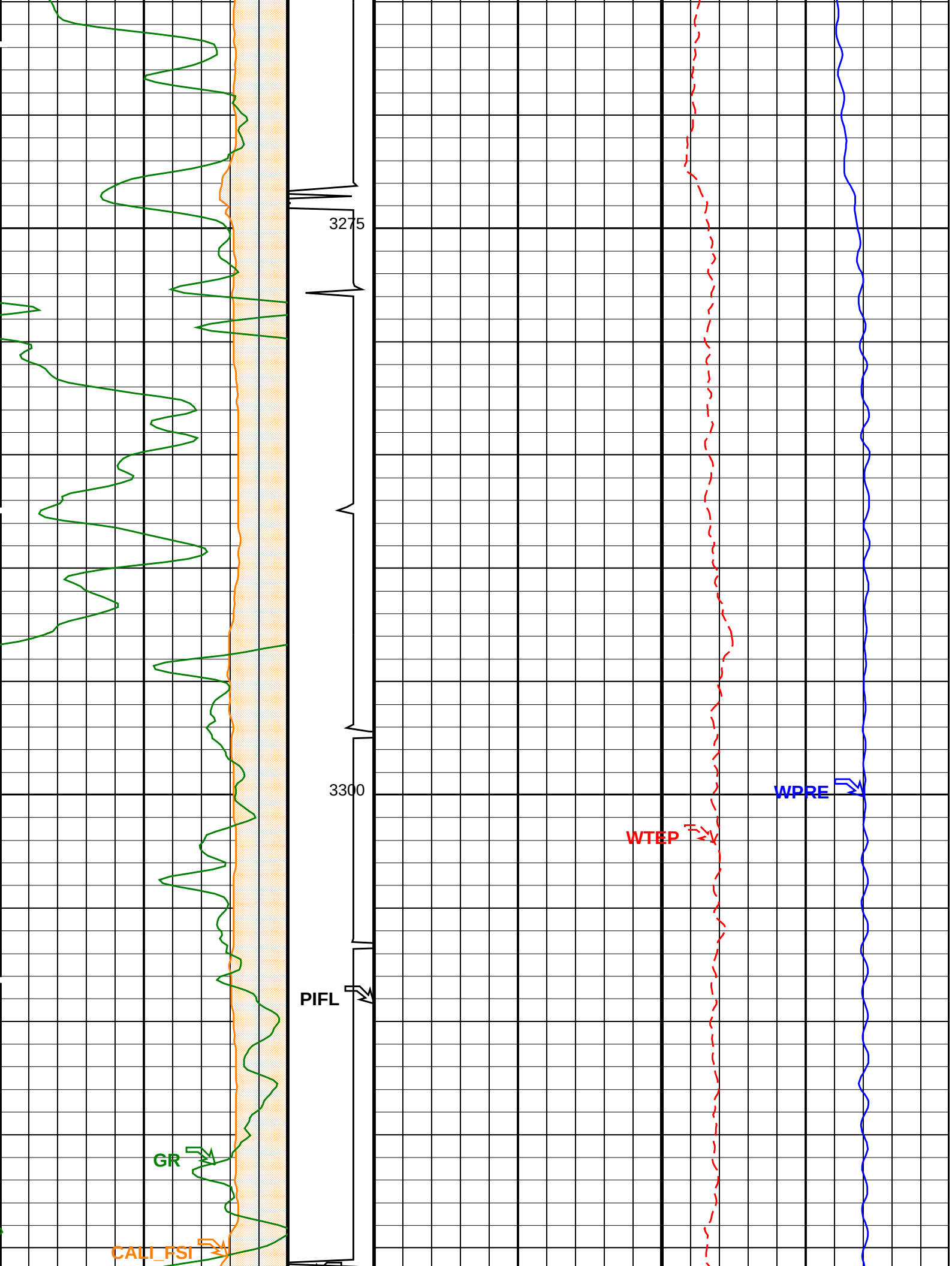
PIP SUMMARY

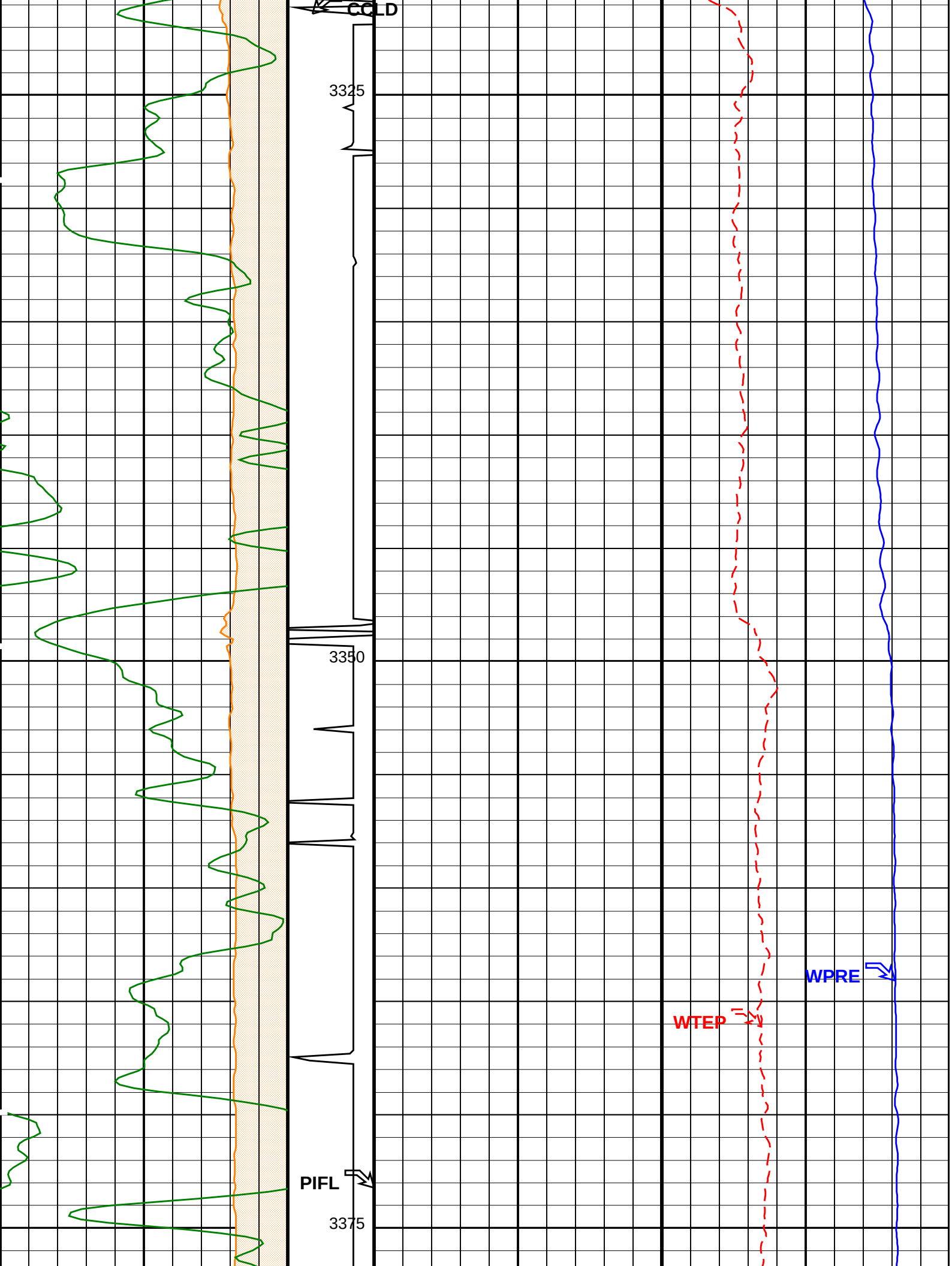
Time Mark Every 60 S

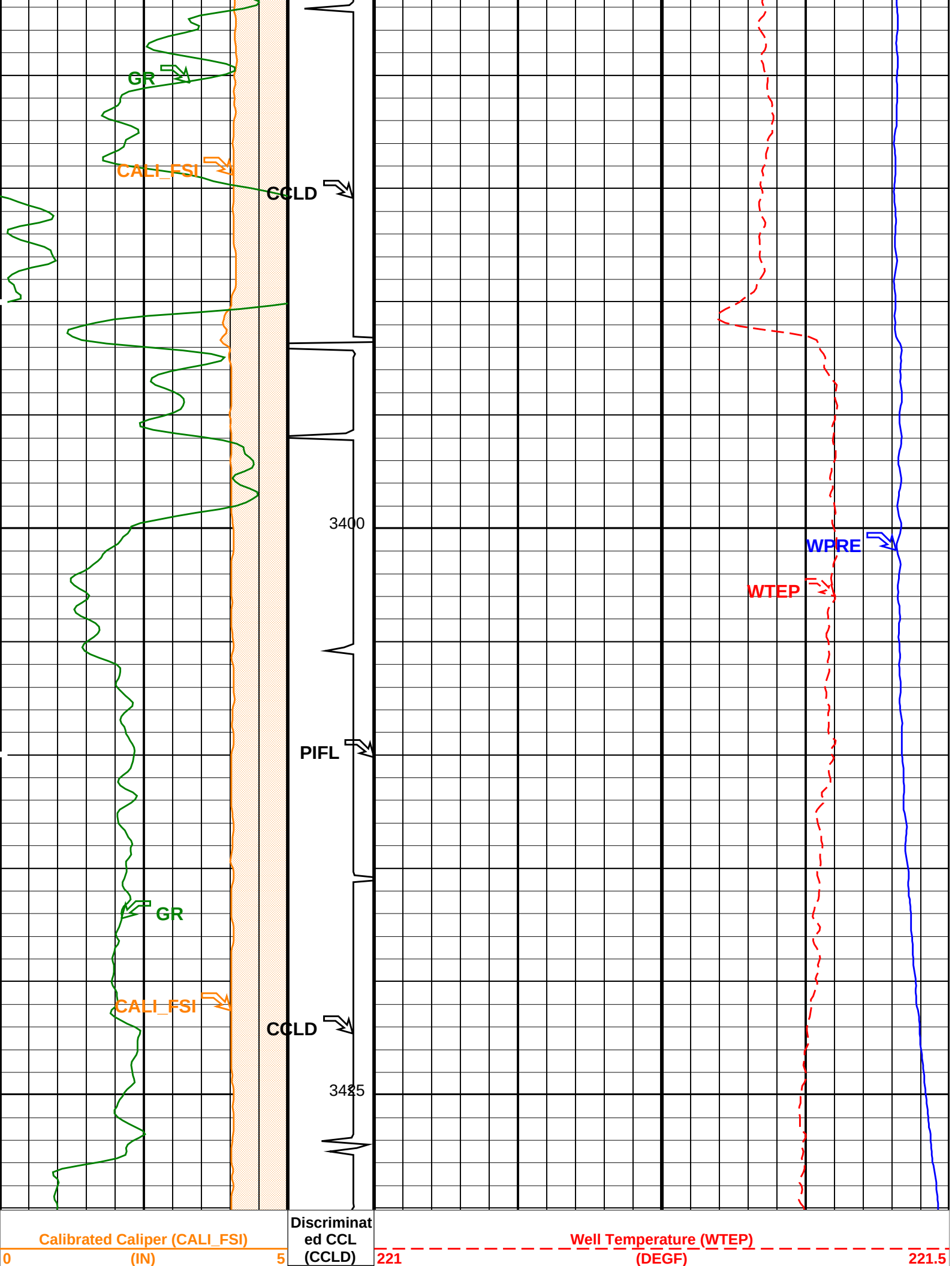



3175
3200


WPRE
WTEP
3225
PIFL
GR
CALI_FSI
CCLD
3250


3275
3300
WPRE
WTEP
PIFL
GR
CALI_FSI


CCLD
3325
3350
WPRE
WTEP
PIFL
3375


GR
CALI_FSI
CCLD
3400
WPRE
WTEP
PIFL
GR
CALI_FSI
CCLD
3425
Calibrated Caliper (CALI_FSI)
0
(IN)
5
Discriminated CCL (CCLD)
Well Temperature (WTEP)
221
(DEGF)
221.5

	3 (V) −1	
Gamma Ray (GR) 0 (GAPI) 600	Perfo Zone From PERFO_ CURVE to D3T	Well Pressure (WPRE) 3095 (PSIA) 3120

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 13:27

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_916PUP	FN:22	PRODUCER	12−Aug−2009 20:23	3430.1 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_925PUP	FN:29	PRODUCER	20−Aug−2009 13:27

Schlumberger

First flowing down pass − EPROBE Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40
FSIT RB (RB_180_ FSI) (DEG) 180 180

−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

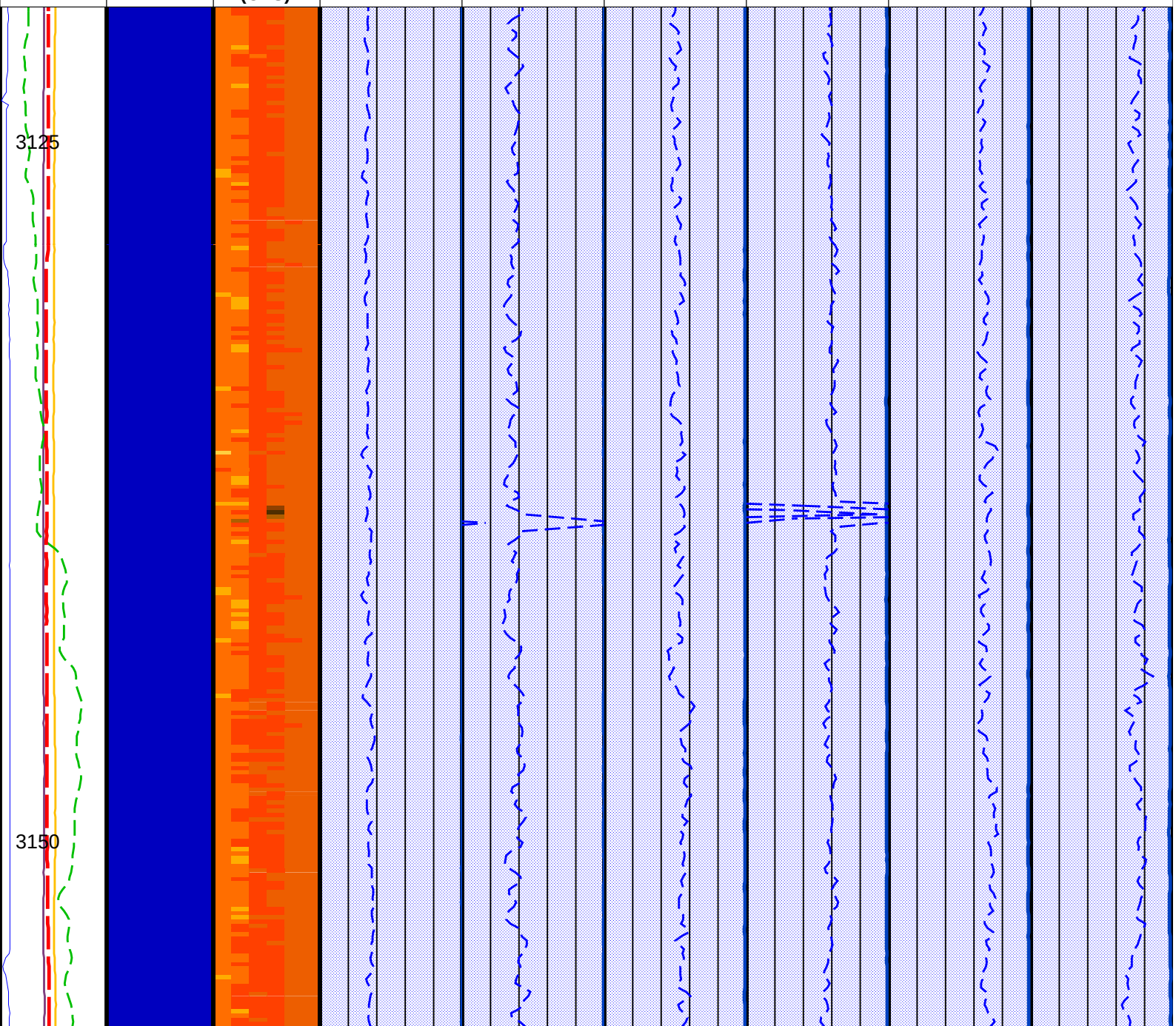
Calibrated Caliper (CALI_FSI)
0 (IN) 8

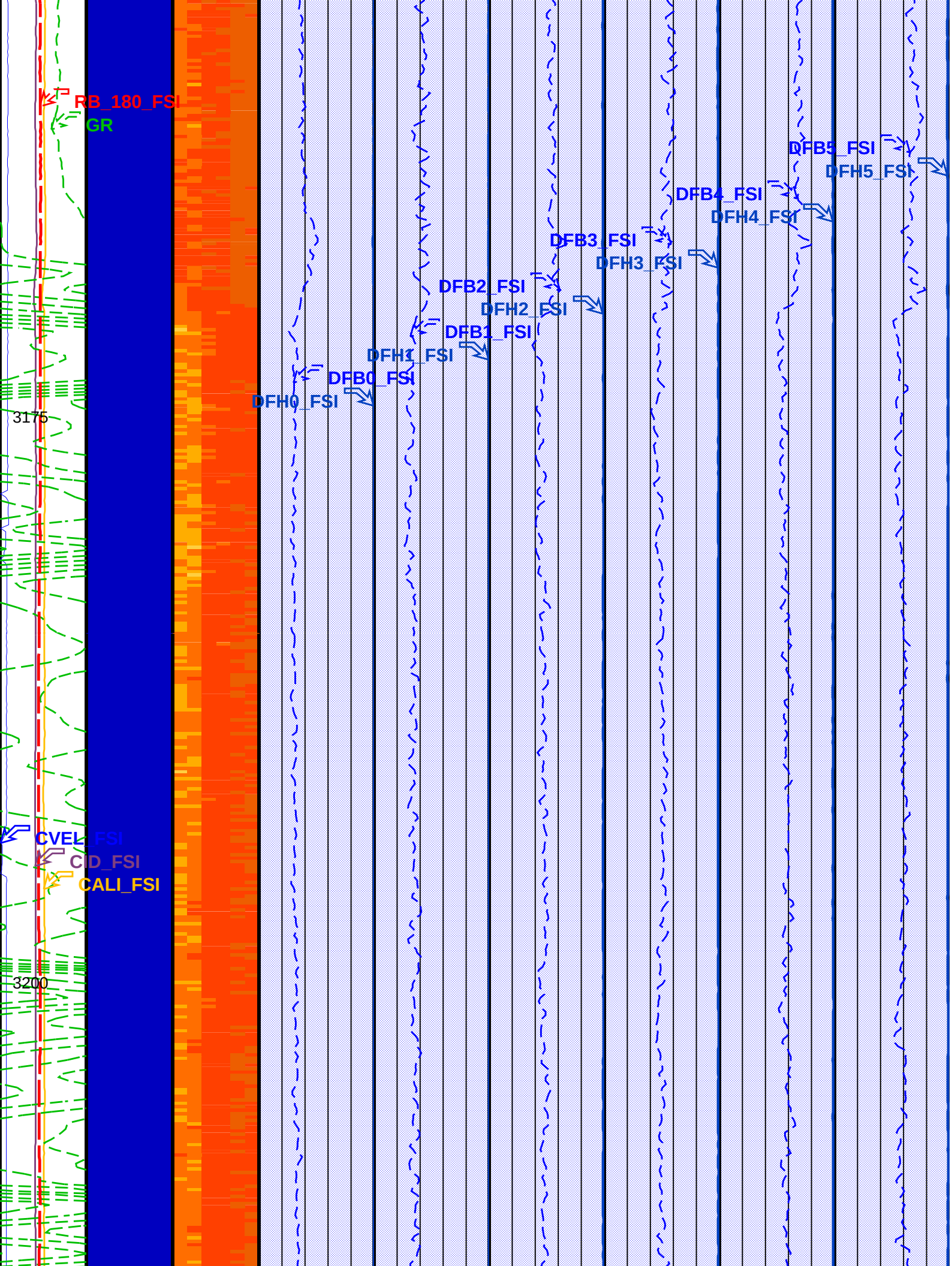
Gamma Ray (GR) (GAPI)
0 150

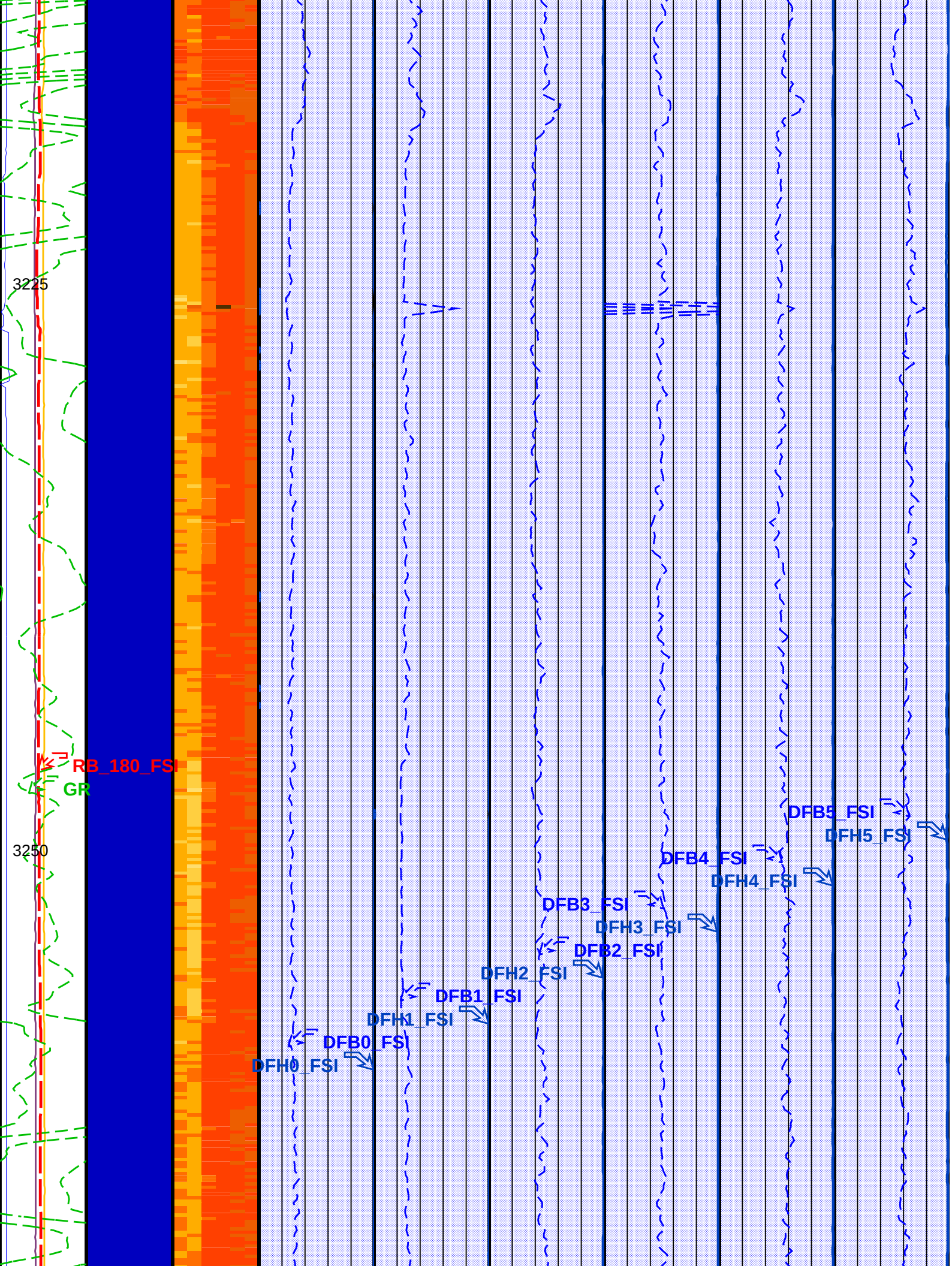
Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----

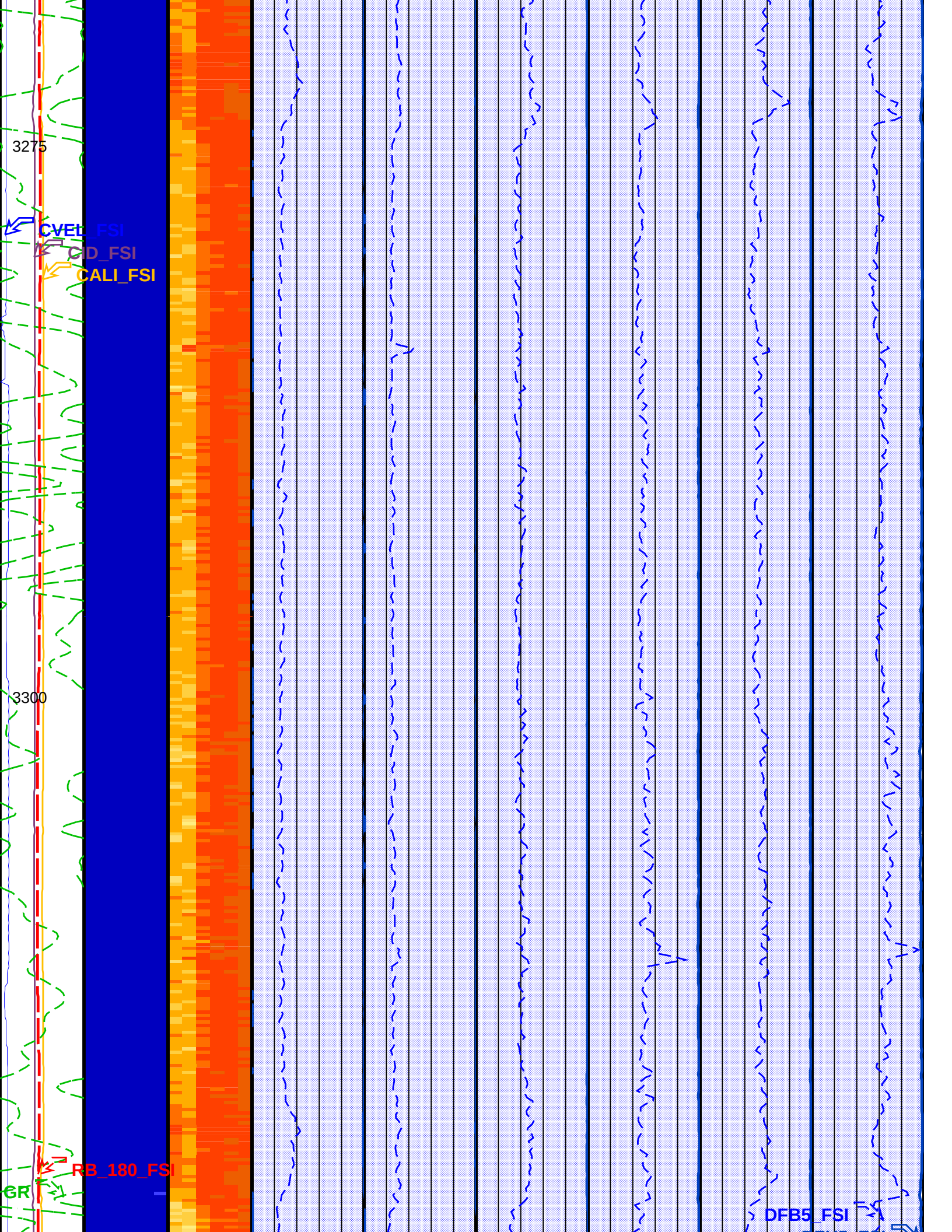
Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)

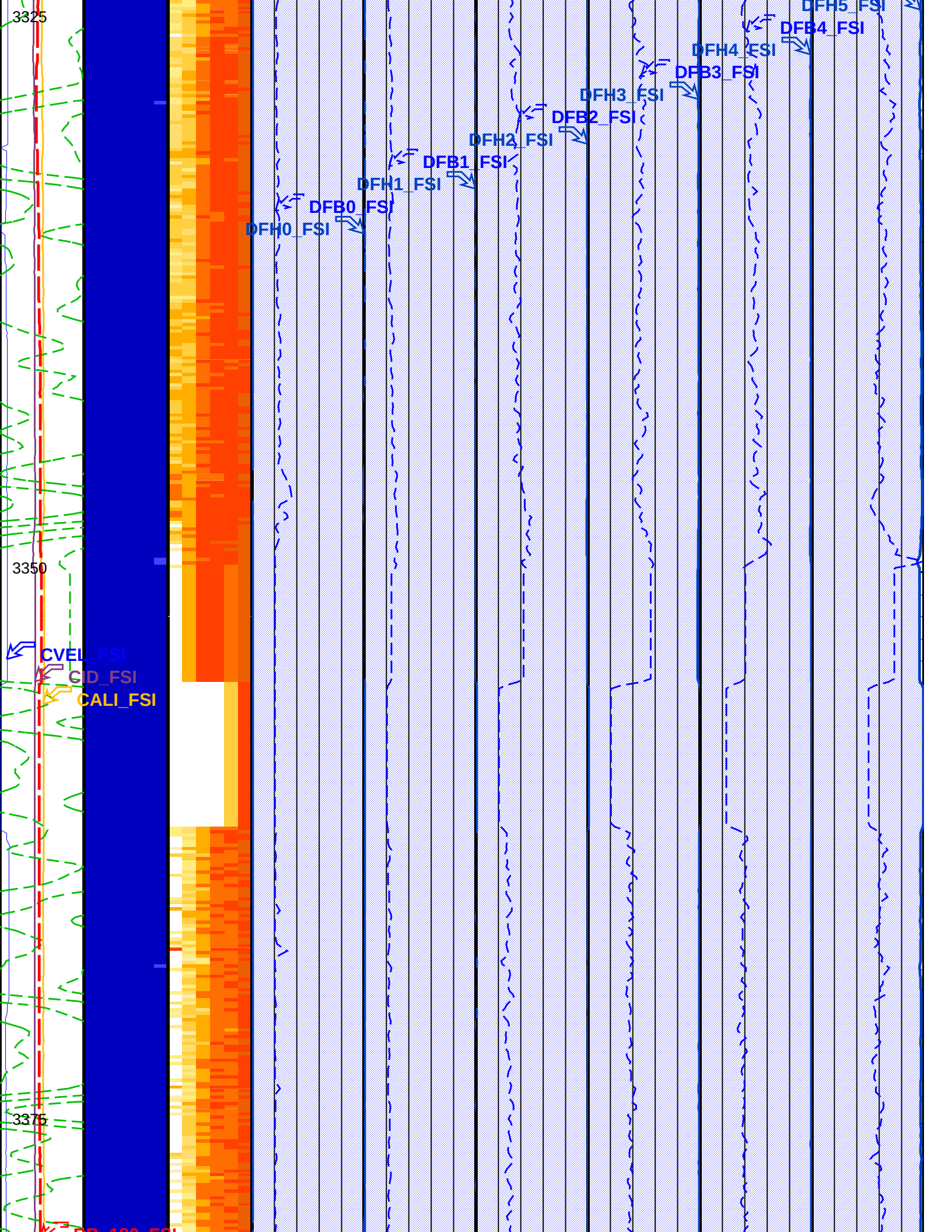
EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1

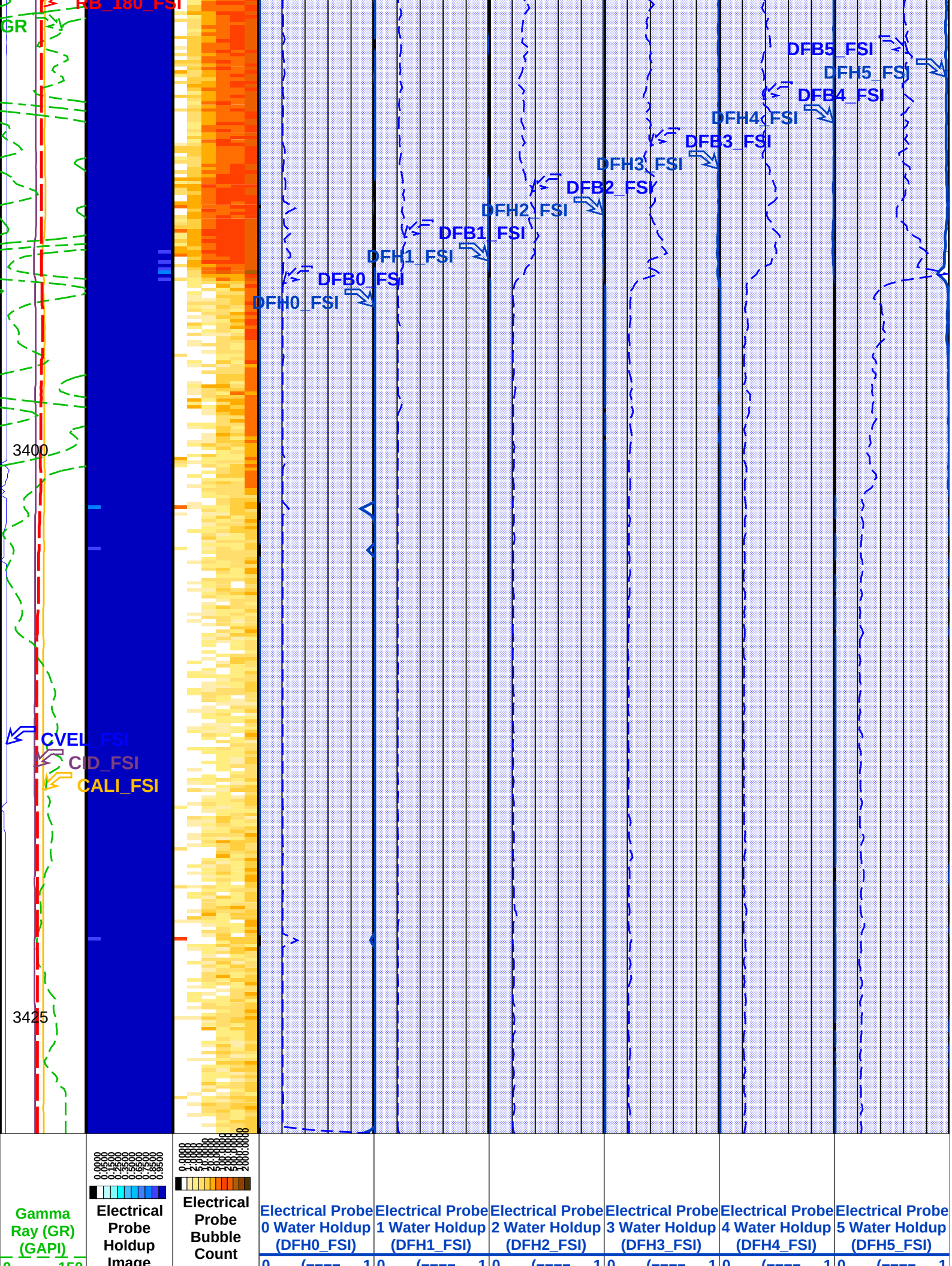



RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
3175
CVEL_FSI
CID_FSI
CALI_FSI
3200


3225
3250
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI


3275
CVEL_FSI
CID_FSI
CALI_FSI
3300
RB_180_FSI
GR
DFB5_FSI


3325
3350
3375
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
CVEL_FSI
CID_FSI
CALI_FSI


RB_180_FSI
GR
3400
3425
CVEL_FSI
CID_FSI
CALI_FSI
DFH0_FSI
DFB0_FSI
DFH1_FSI
DFB1_FSI
DFH2_FSI
DFB2_FSI
DFH3_FSI
DFB3_FSI
DFH4_FSI
DFB4_FSI
DFH5_FSI
DFB5_FSI
Gamma Ray (GR) (GAPI)
Electrical Probe Holdup Image
Electrical Probe Bubble Count
Electrical Probe 0 Water Holdup (DFH0_FSI)
Electrical Probe 1 Water Holdup (DFH1_FSI)
Electrical Probe 2 Water Holdup (DFH2_FSI)
Electrical Probe 3 Water Holdup (DFH3_FSI)
Electrical Probe 4 Water Holdup (DFH4_FSI)
Electrical Probe 5 Water Holdup (DFH5_FSI)

0 150	Image (RAW_ EHIMAGE_ 16C) (----	Image (RAW_ EBCIMAGE _16C) (CPS)	0 (1	0 (1	0 (1	0 (1	0 (1	0 (1
Calibrated Caliper (CALI_FSI) 0 (IN) 8			Electrical Probe 0 Bubble Count Rate (DFB0_ FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_ FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_ FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_ FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_ FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_ FSI) (CPS) −100 400
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_ FSI) (DEG) −180 180								
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40								

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 11:38

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

Schlumberger

First flowing down pass − SPINNER
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Cable Velocity Memorized (CVEL_FSI) (M/MN)
0 40

FSIT RB (RB_180_FSI) (DEG)
−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

Calibrated Caliper (CALI_FSI)
0 (IN) 10

Gamma Ray (GR) (GAPI)
0 150

RPS − Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)

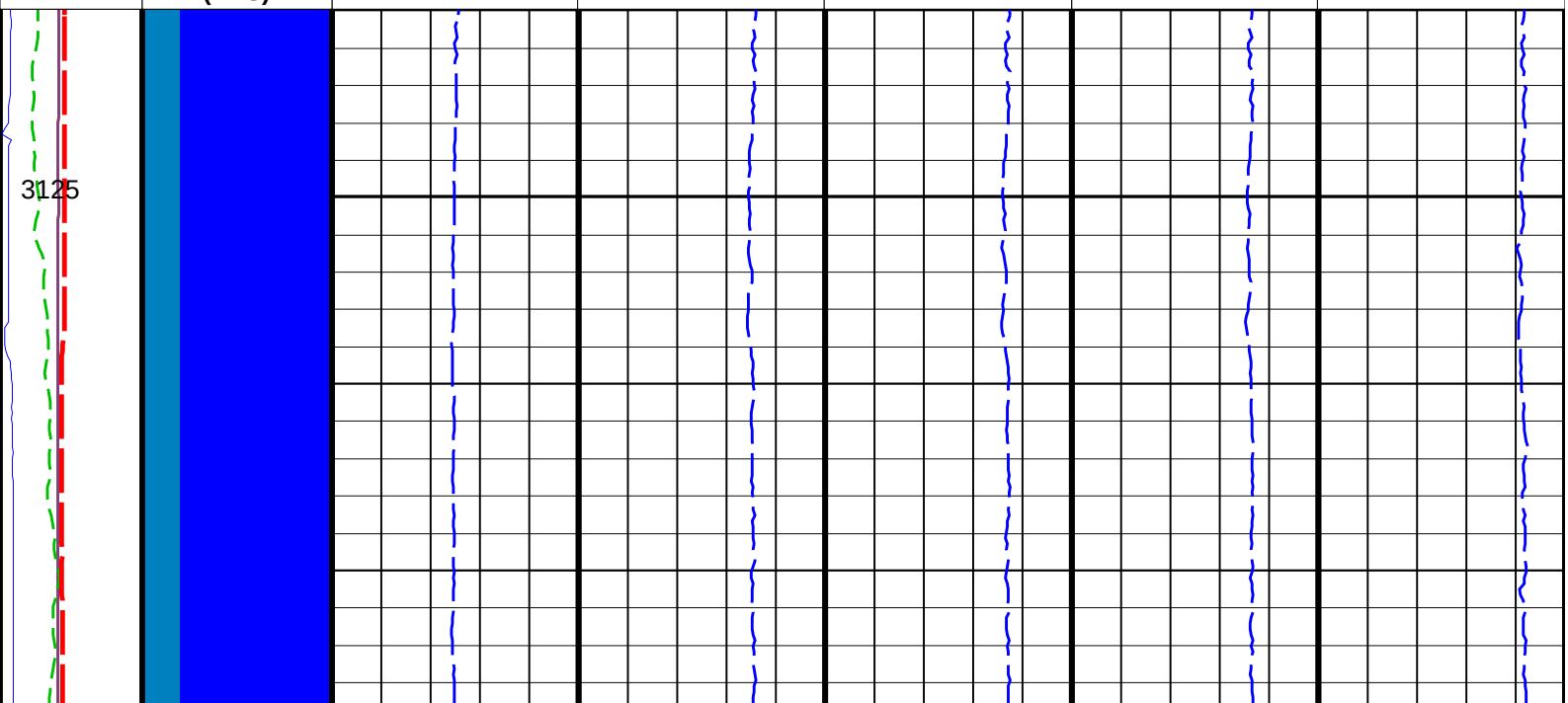
Spinner 0 Rotational Velocity (SPI0_FSI)
5 (RPS) 30

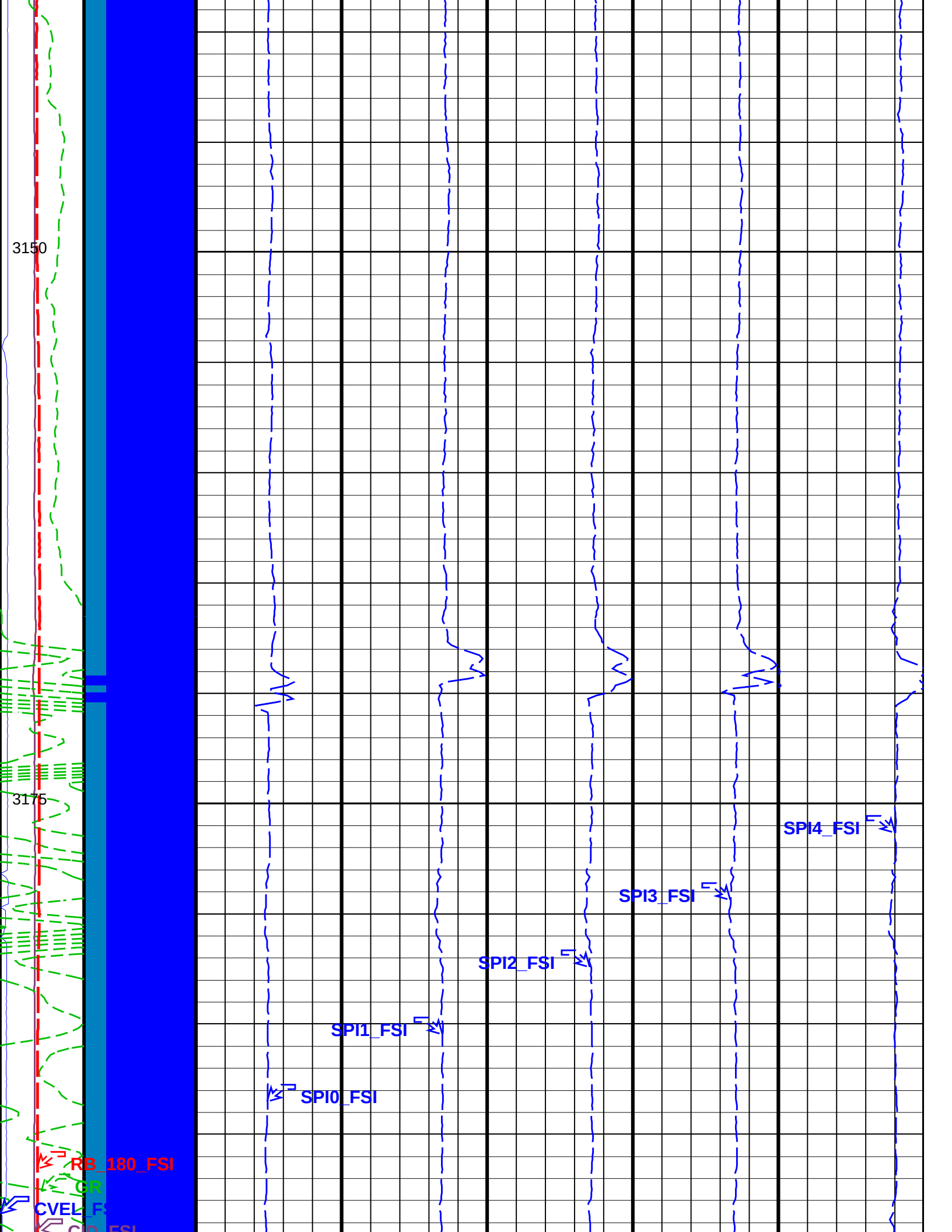
Spinner 1 Rotational Velocity (SPI1_FSI)
10 (RPS) 30

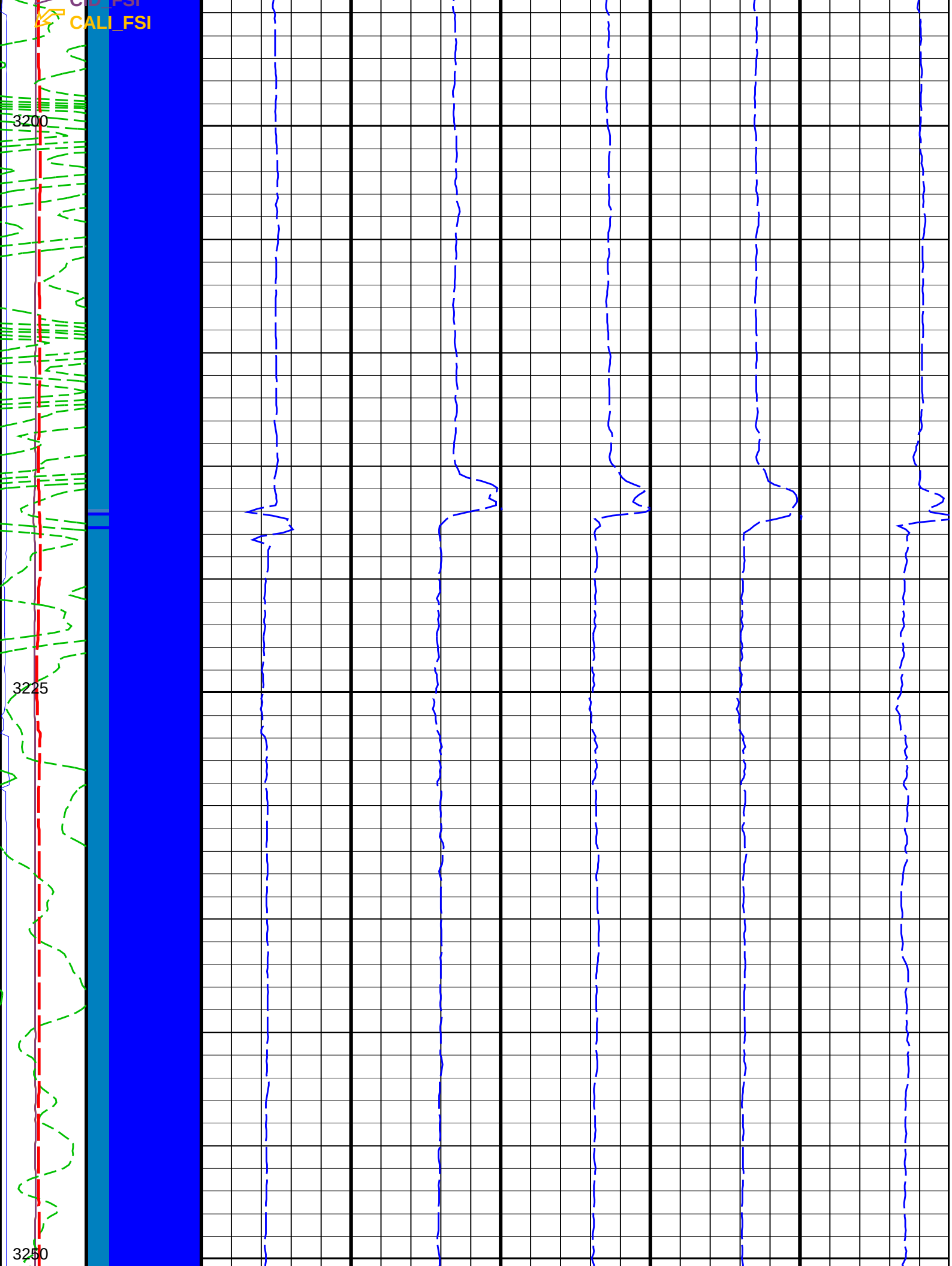
Spinner 2 Rotational Velocity (SPI2_FSI)
10 (RPS) 30

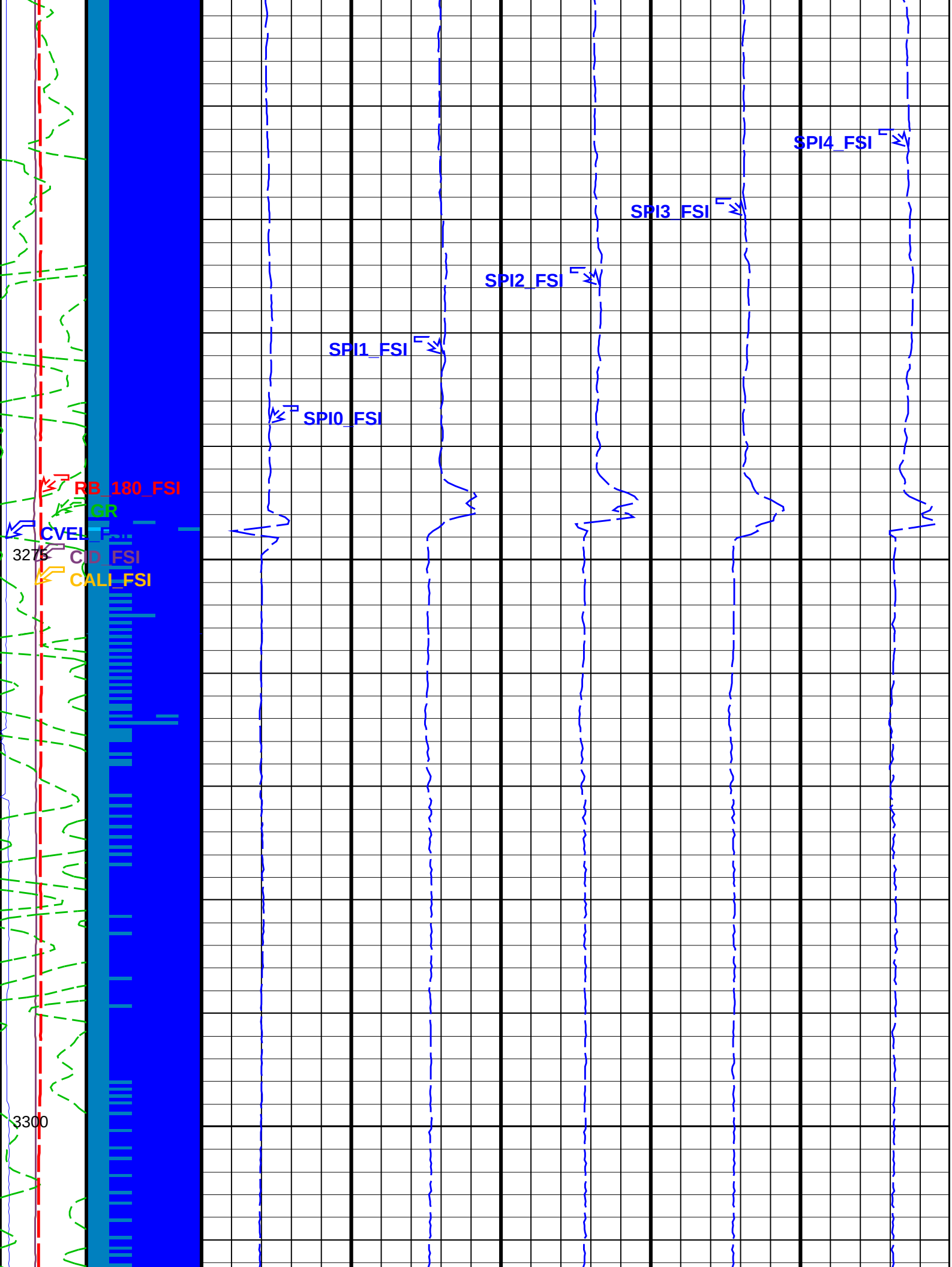
Spinner 3 Rotational Velocity (SPI3_FSI)
10 (RPS) 30

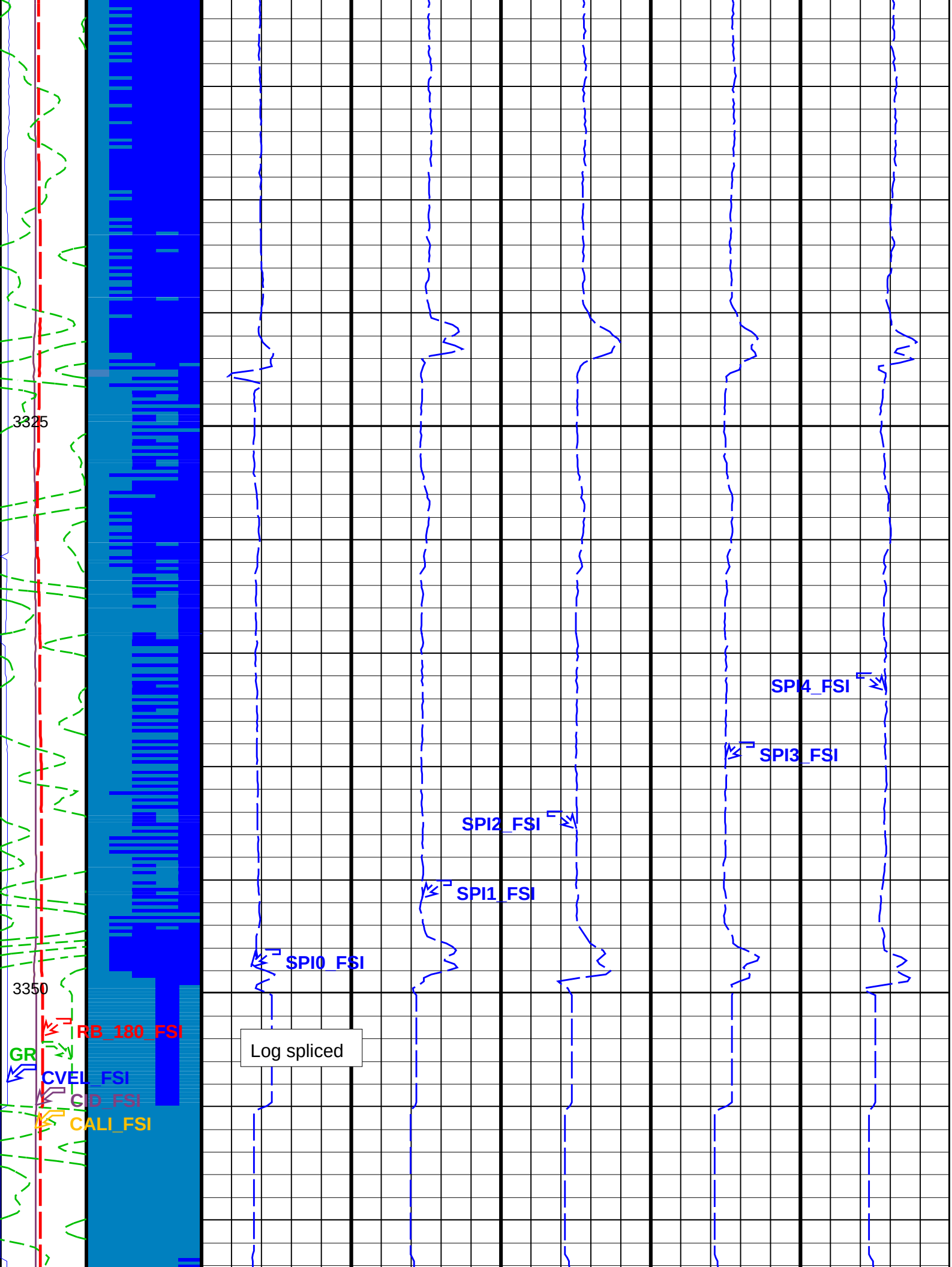
Spinner 4 Rotational Velocity (SPI4_FSI)
10 (RPS) 30

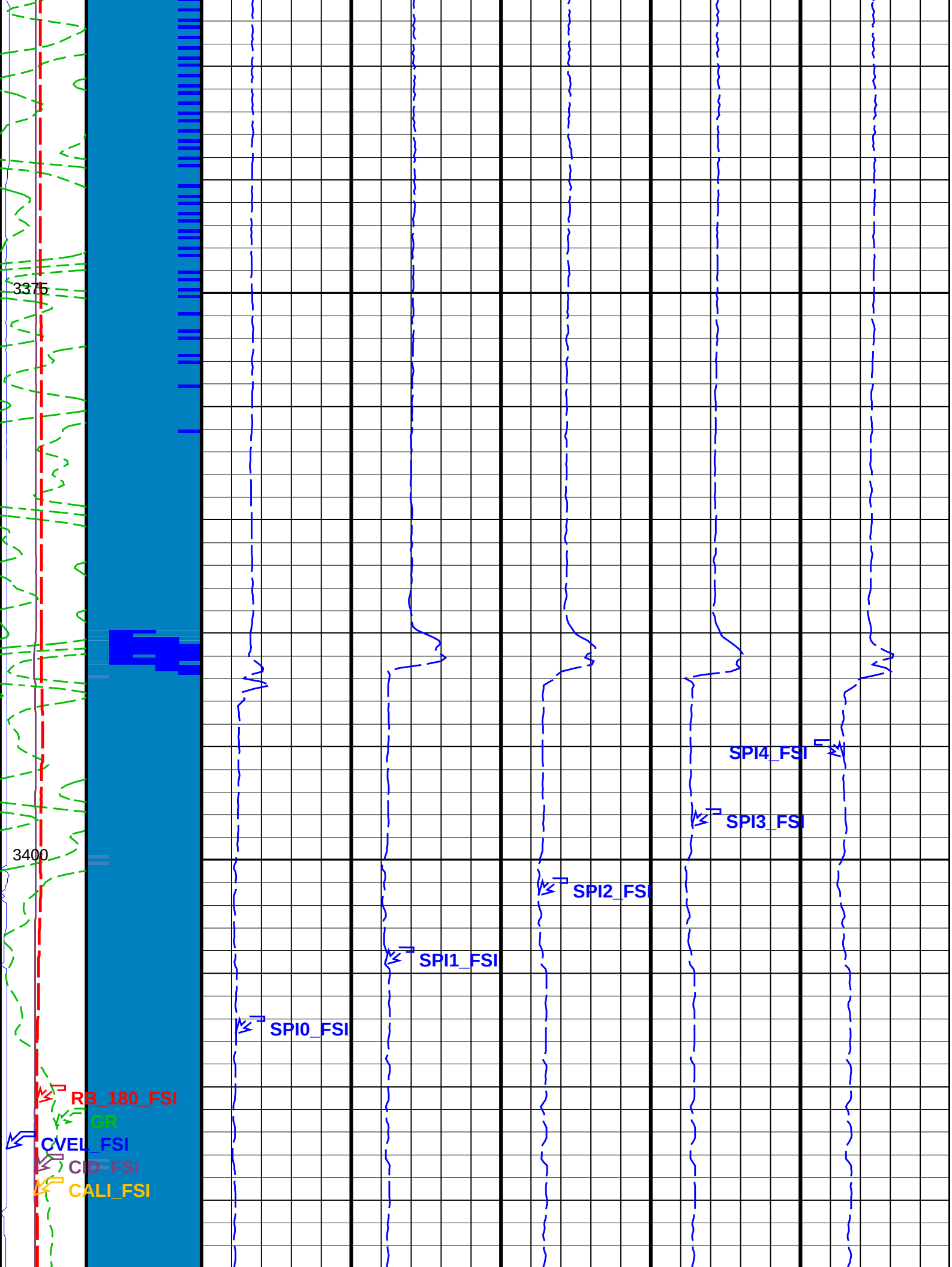


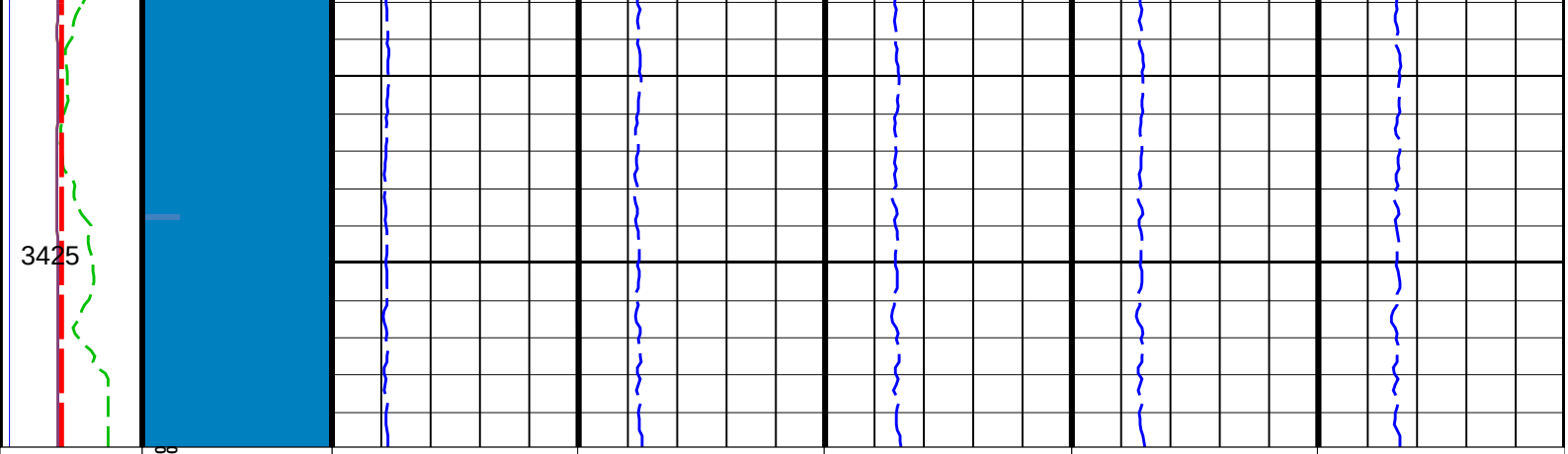

3150
3175
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_F
CID_FSI


CALI_FSI
3200
3225
3250


SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_F
3275
CID_FSI
CALI_FSI
3300


3325
3350
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI
Log spliced


3375
3400
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI



Gamma Ray (GR) (GAPI) 0 150	RPS − Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 10 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 10 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 10 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 10 (RPS) 30

Calibrated Caliper (CALI_FSI) 0 (IN) 10	
Calibrated Casing ID (CID_FSI) 0 (IN) 10	
FSIT RB (RB_180_FSI) (DEG) −180 180	
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40	

Format: FSI_SPINNER_DL **Vertical Scale: 1:200** **Graphics File Created: 20−Aug−2009 11:38**

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

Schlumberger

First flowing down pass − PSP
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

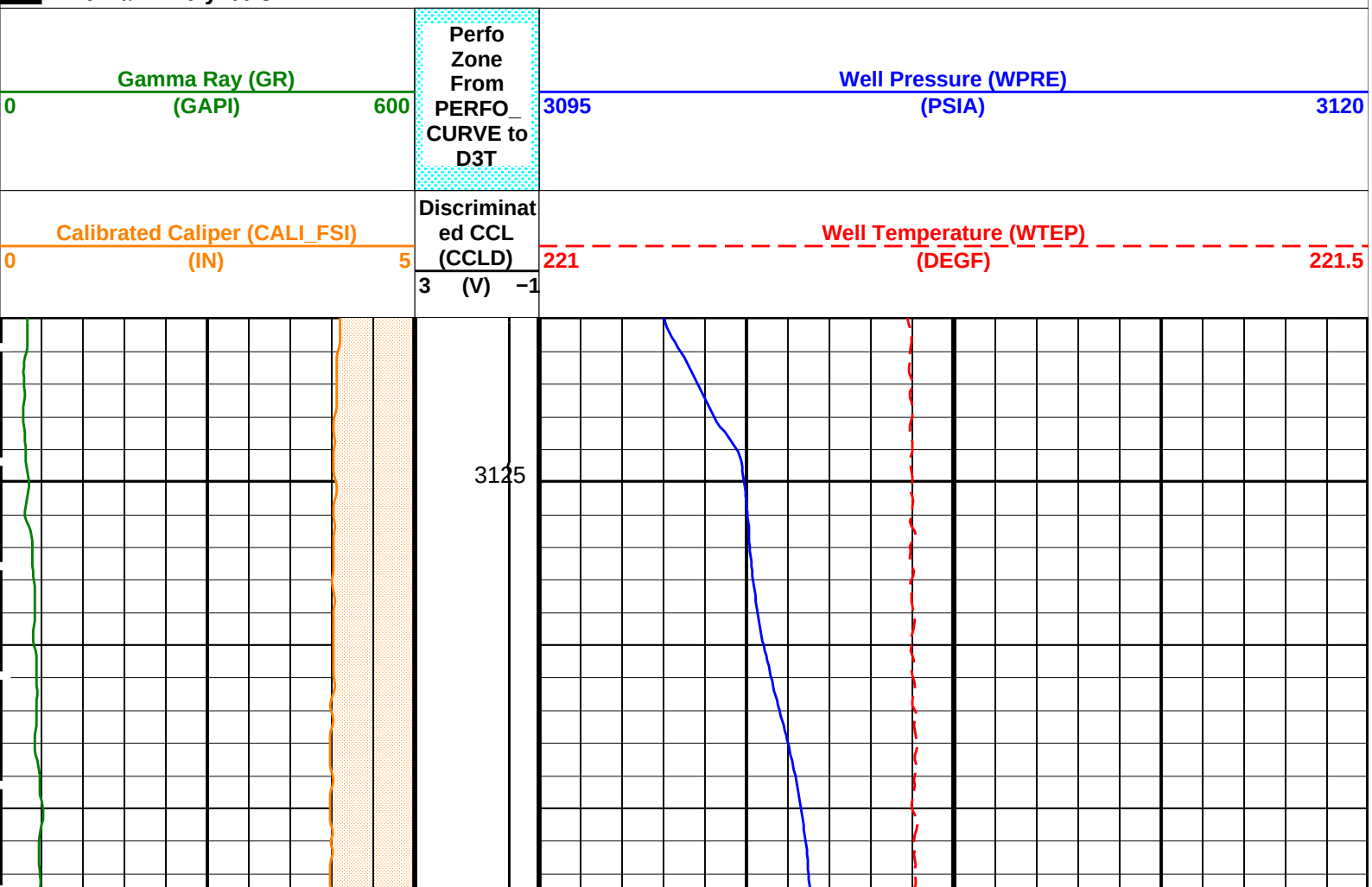
DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

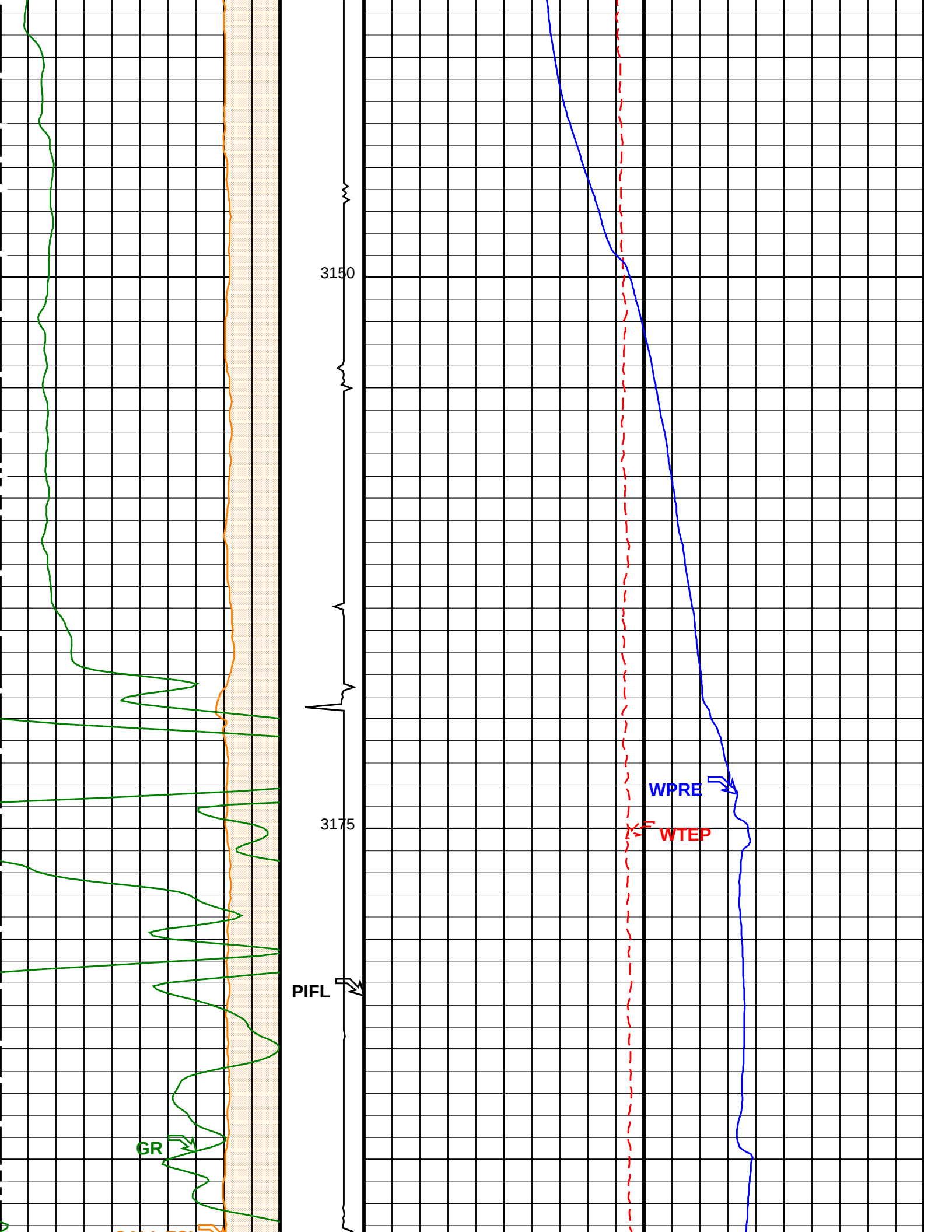
OP System Version: 17C0−154

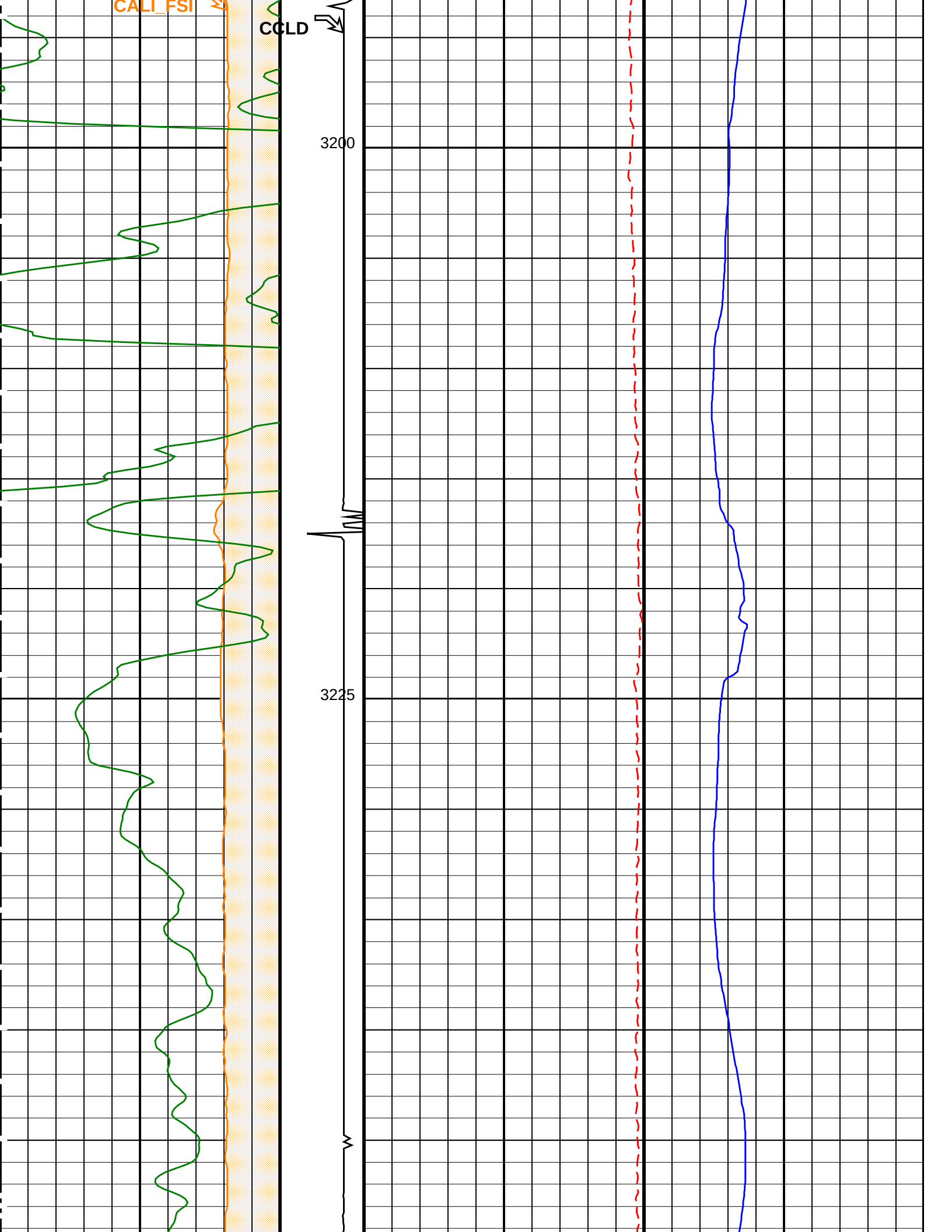
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

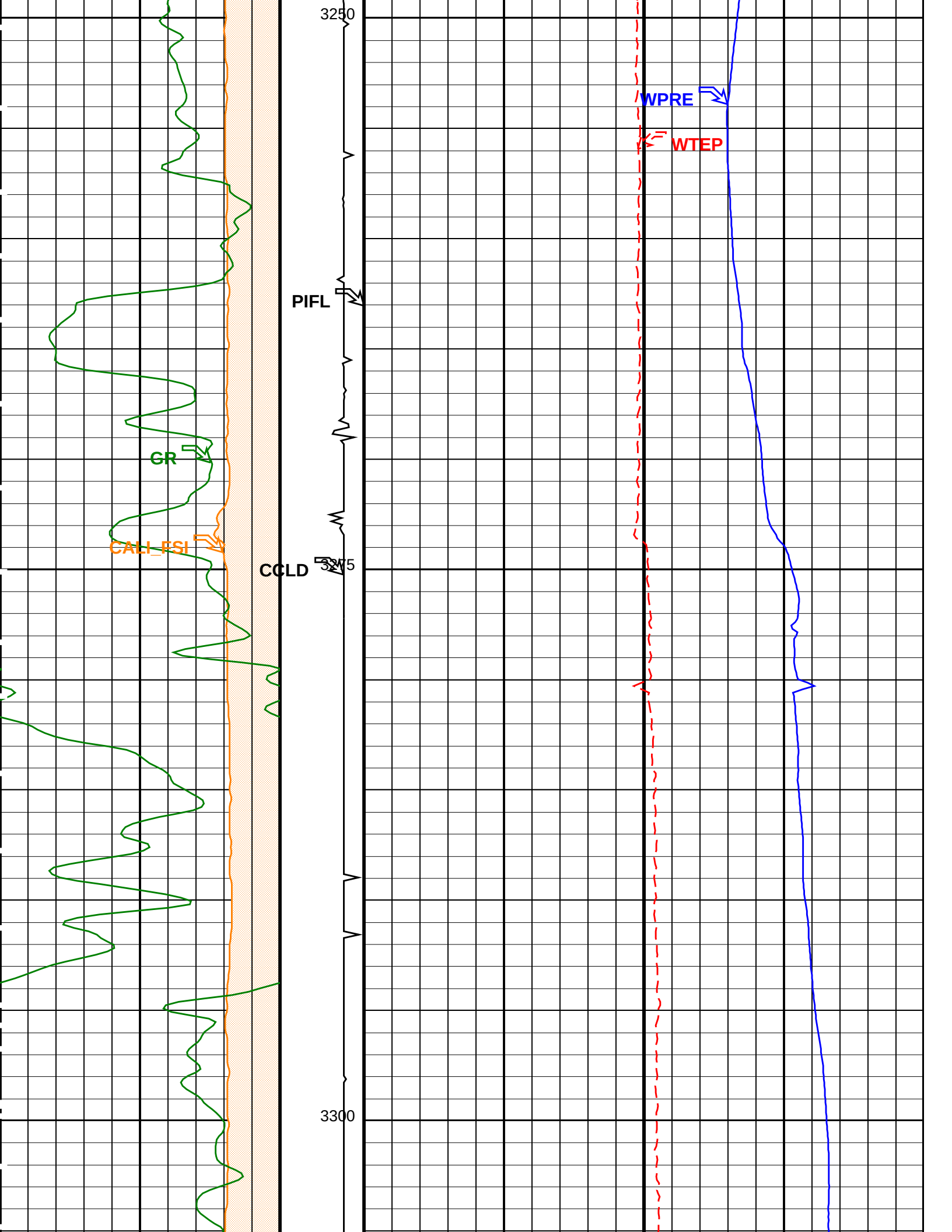
PIP SUMMARY

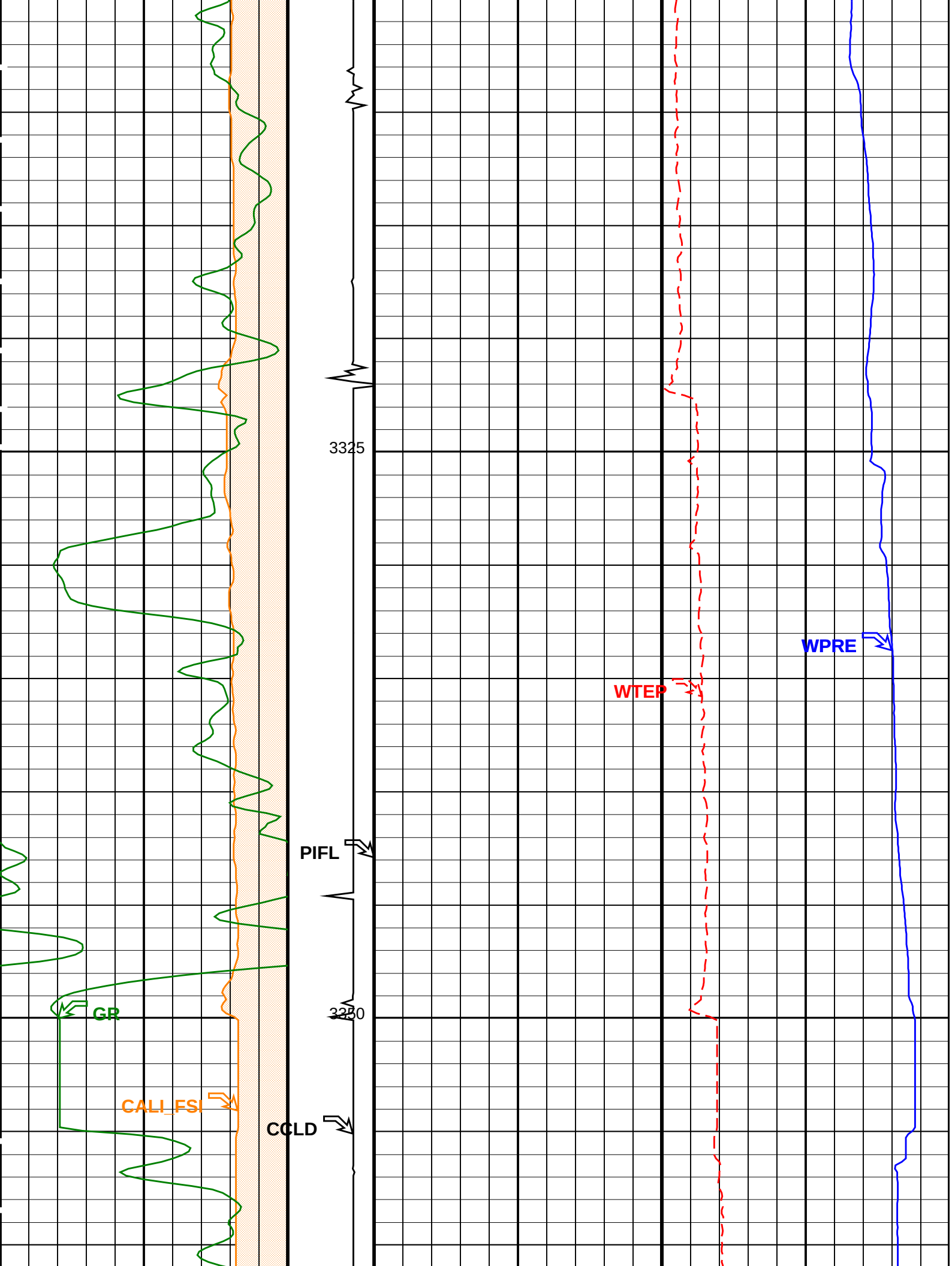
Time Mark Every 60 S

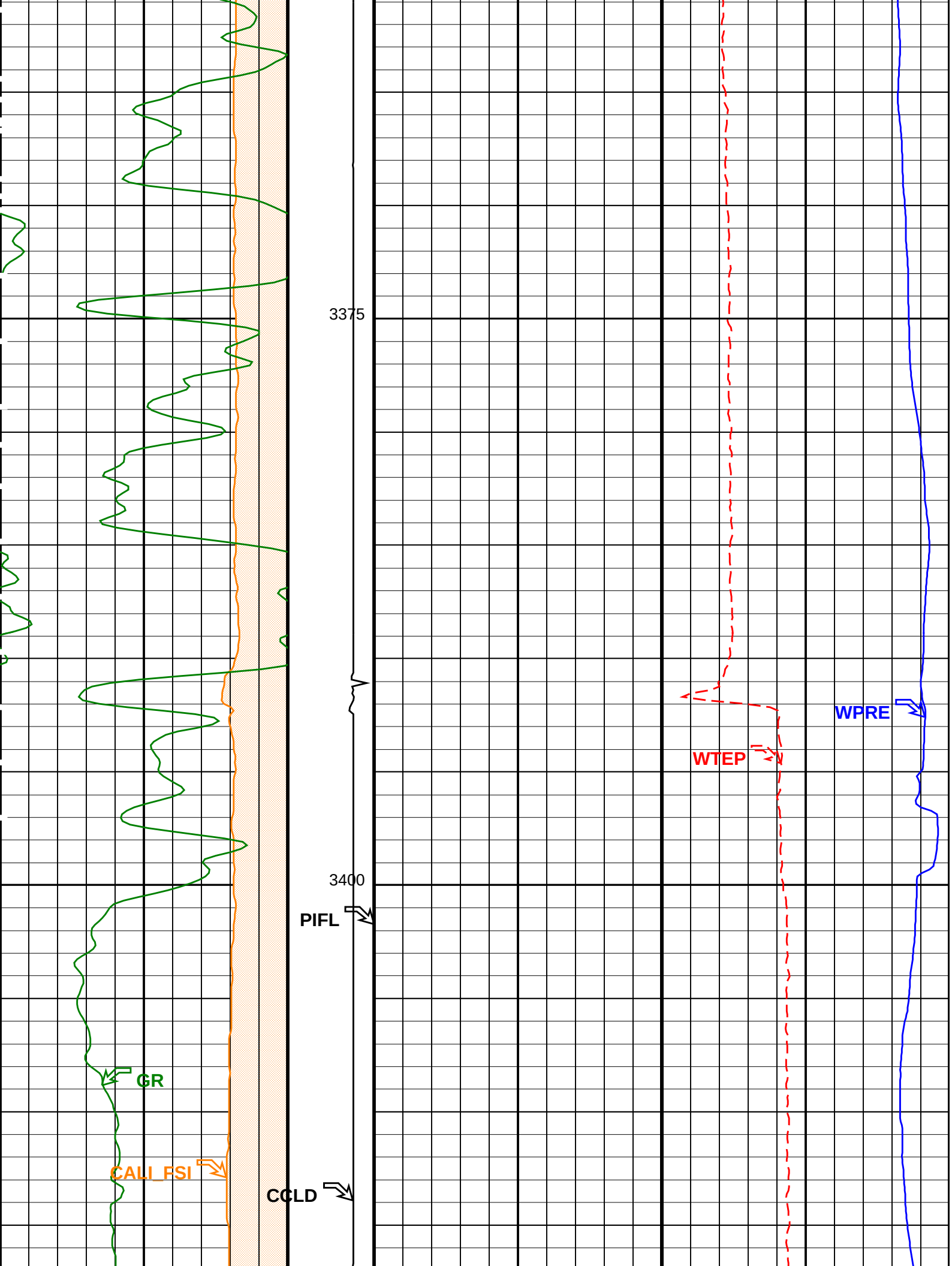


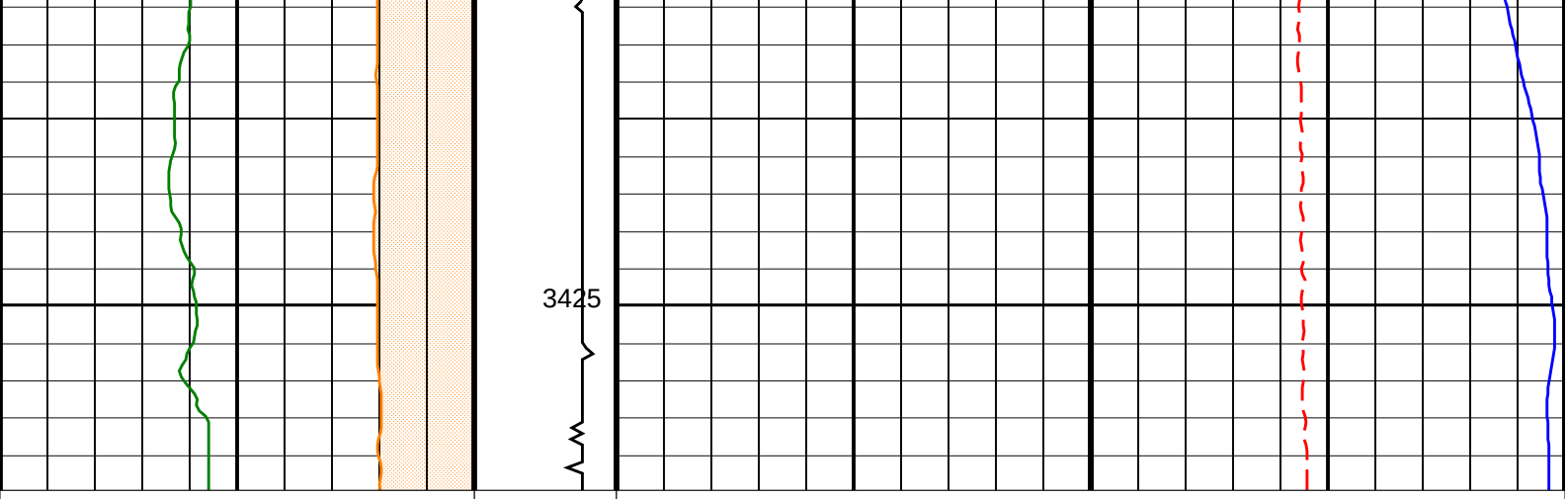

3150
3175
WPRE
WTEP
PIFL
GR


CALI_FSI
CCLD
3200
3225


3250
WPRE
WTEP
PIFL
GR
CALI_FSI
CCLD
3275
3300


3325
3330
WPRE
WTEP
PIFL
GR
CALI_FSI
CCLD


3375
3400
PIFL
GR
CALI_FSI
CCLD
WTEP
WPRE



Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	221 (DEGF) 221.5
Gamma Ray (GR)	**Perfo Zone From PERFO_CURVE to D3T**	**Well Pressure (WPRE)**
0 (GAPI) 600		3095 (PSIA) 3120

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 11:38

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

DEFAULT	FLIP_PSP_GMS_PSTS_922	PRODUCER	20−Aug−2009 11:37	3429.9 M	3119.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_923PUP	FN:27	PRODUCER	20−Aug−2009 11:38

Schlumberger

Flowing up pass @ 10m/min−EPROBE
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

PSP_GMS_PSTS_PSTE_904PUP	FN:10	12−Aug−2009 12:25	3430.1 M	3121.3 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_919PUP	FN:25	PRODUCER	20−Aug−2009 11:08

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40

FSIT RB (RB_180_FSI) (DEG) −180 180

Calibrated Casing ID (CID_FSI) 0 (IN) 10

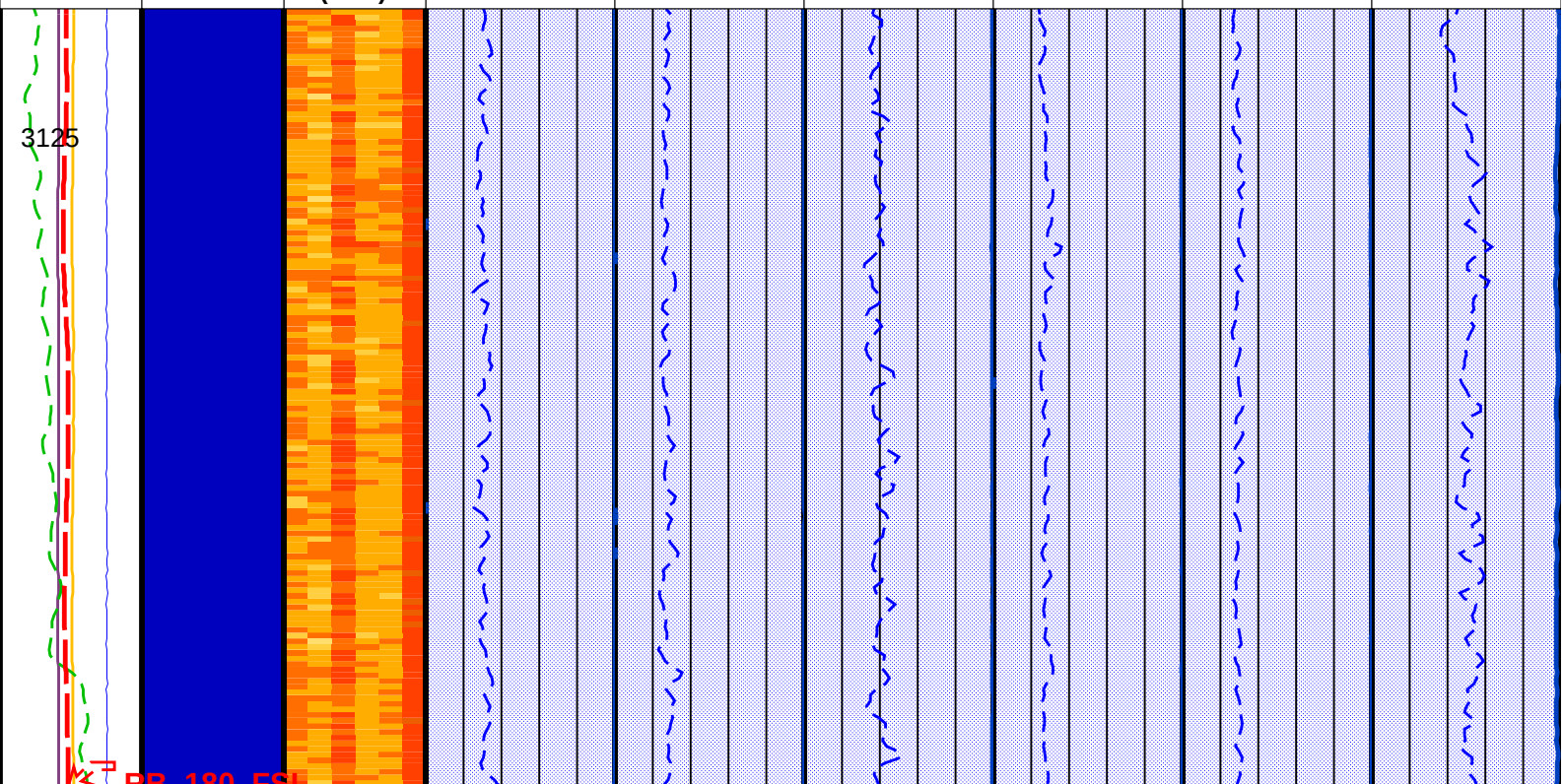
Calibrated Caliper (CALI_FSI) 0 (IN) 8

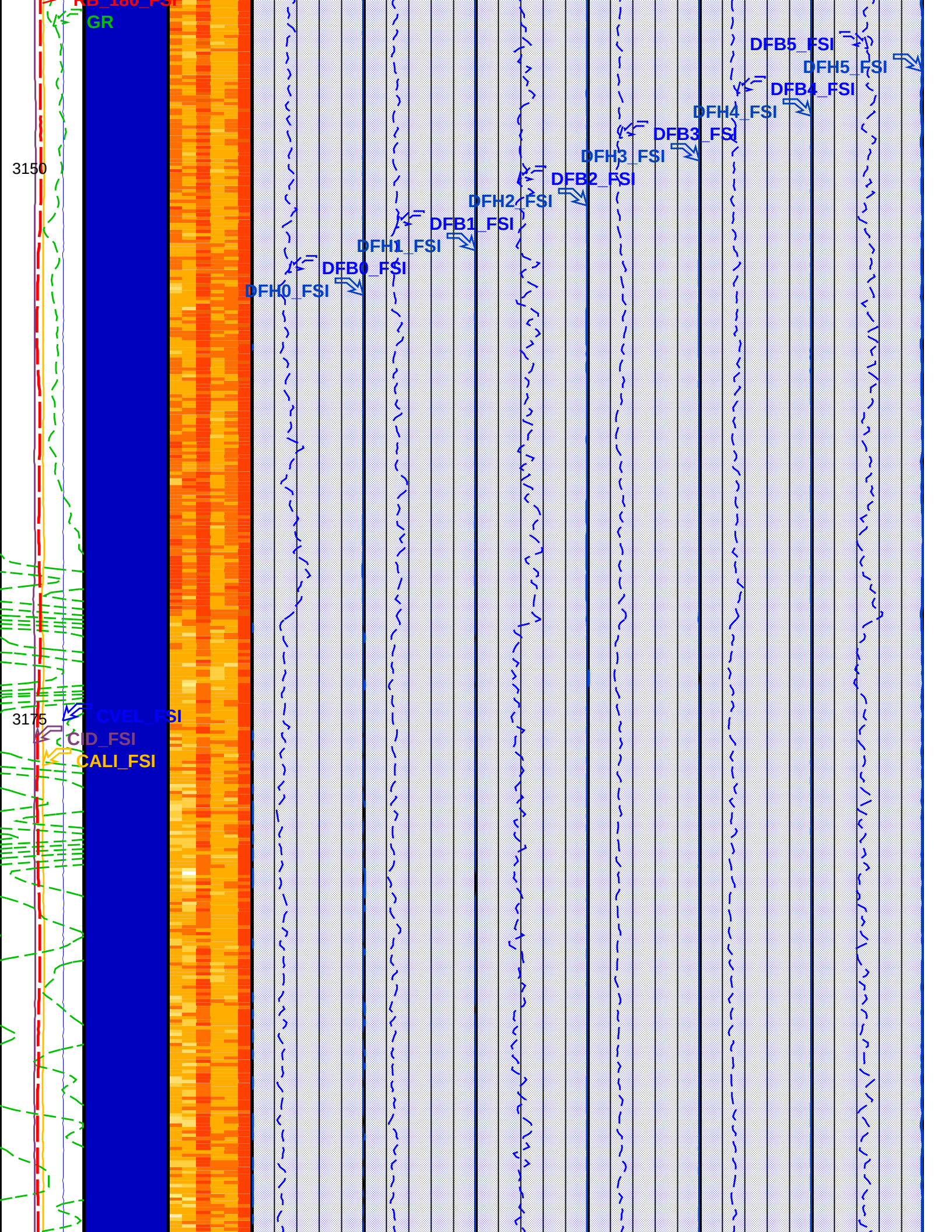
Gamma Ray (GR) (GAPI) 0 150

Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (−−−−

Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)

EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (−−−− 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (−−−− 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (−−−− 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (−−−− 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (−−−− 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (−−−− 1




RB_180_FSI
GR
3150
3175
CVEL_FSI
CID_FSI
CALI_FSI
DFH0_FSI
DFB0_FSI
DFH1_FSI
DFB1_FSI
DFH2_FSI
DFB2_FSI
DFH3_FSI
DFB3_FSI
DFH4_FSI
DFB4_FSI
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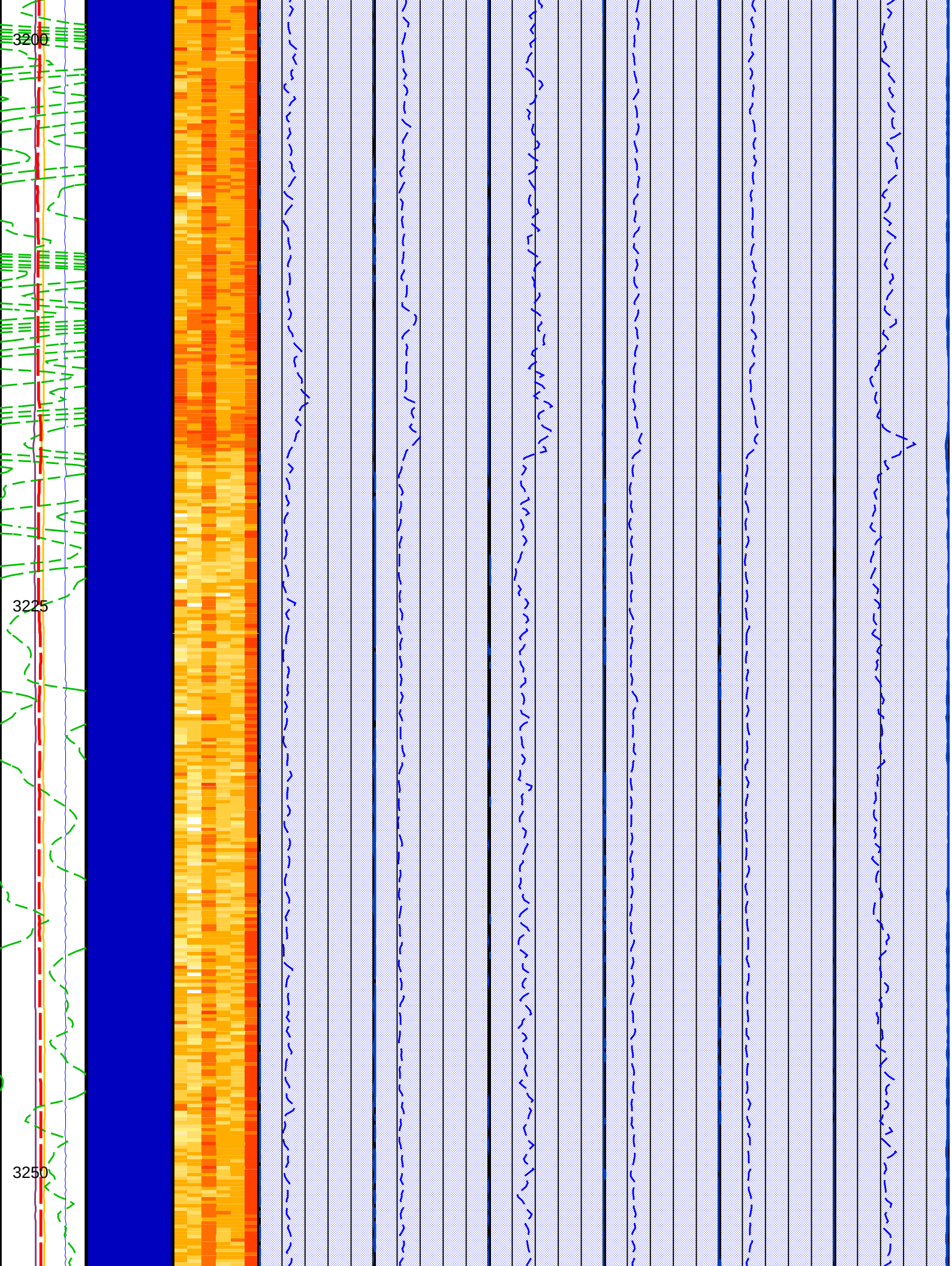
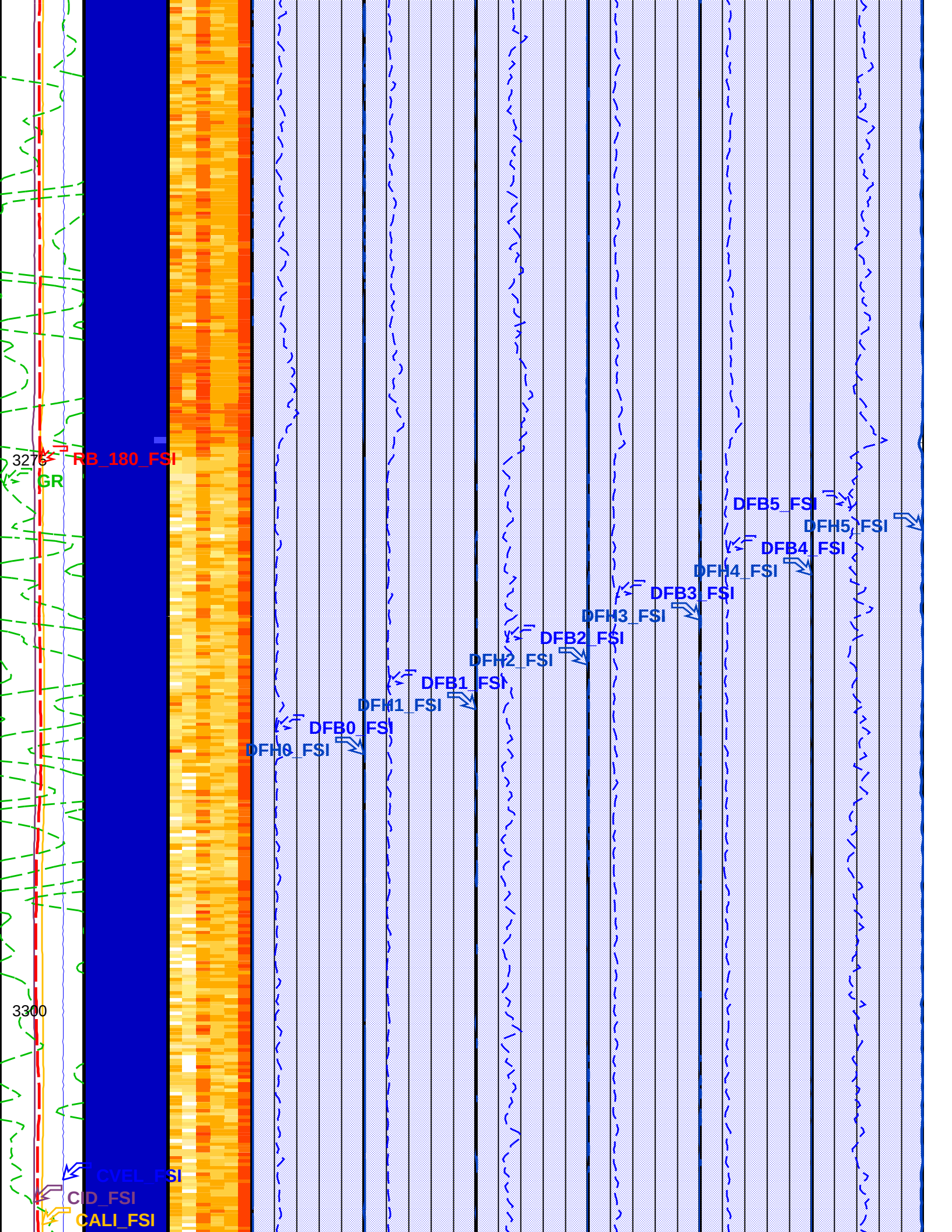
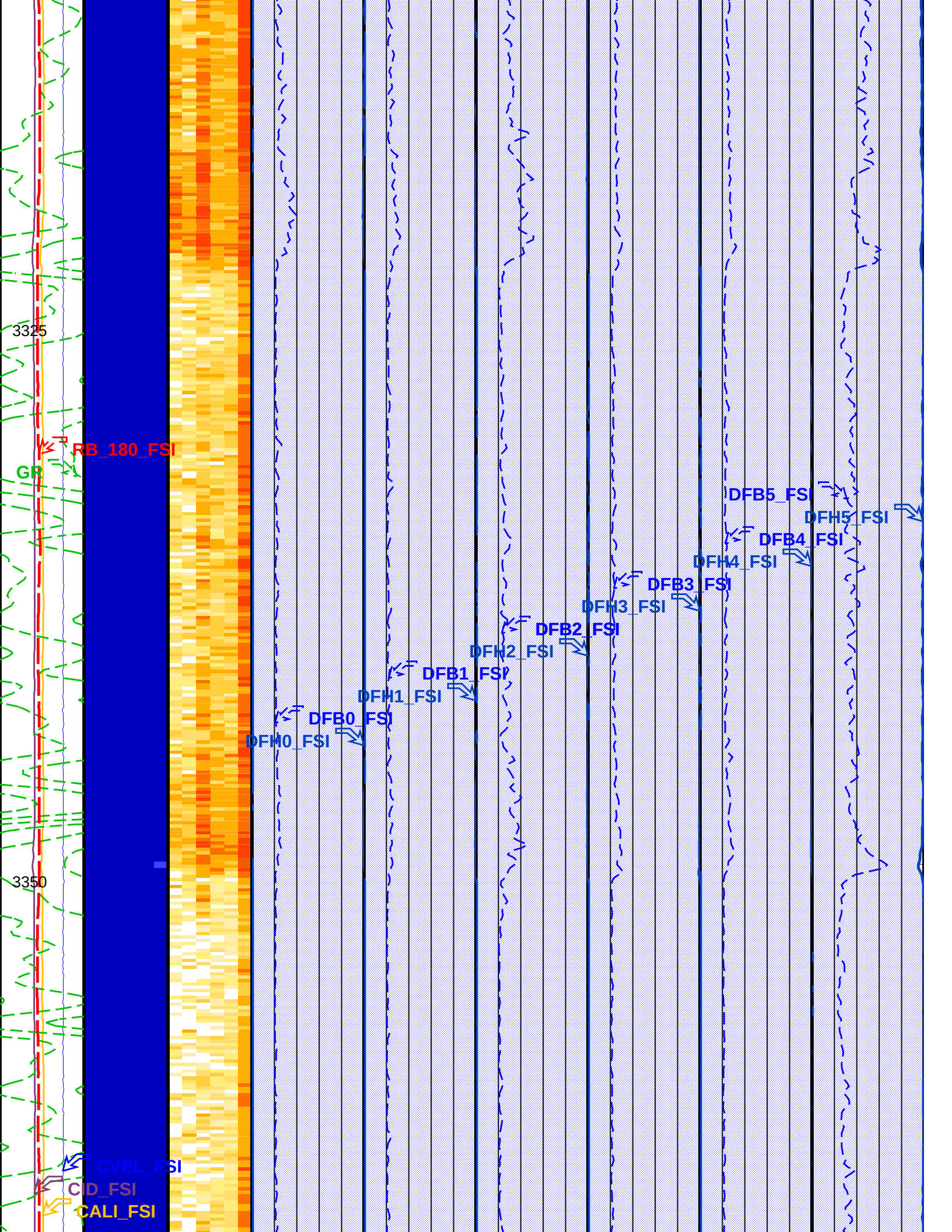
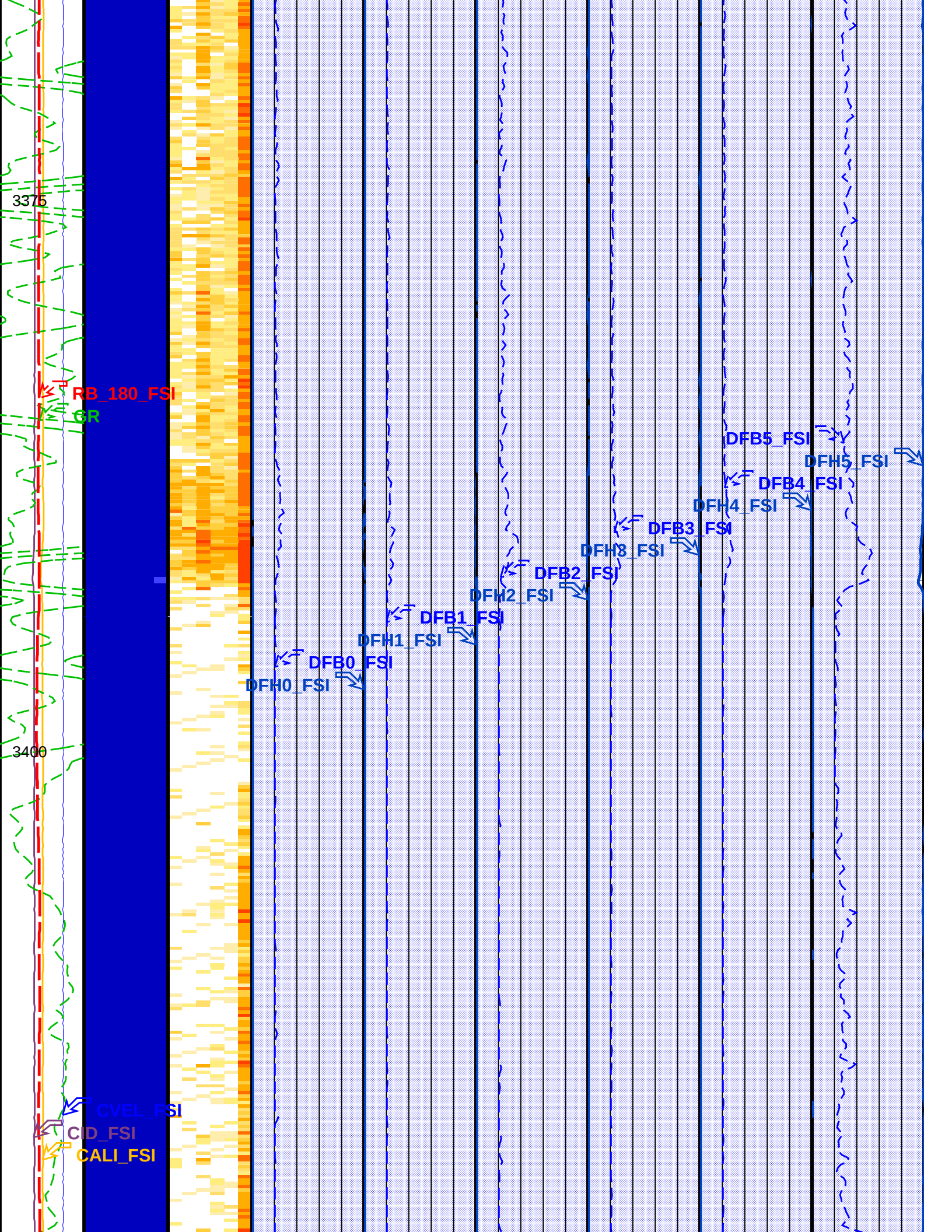
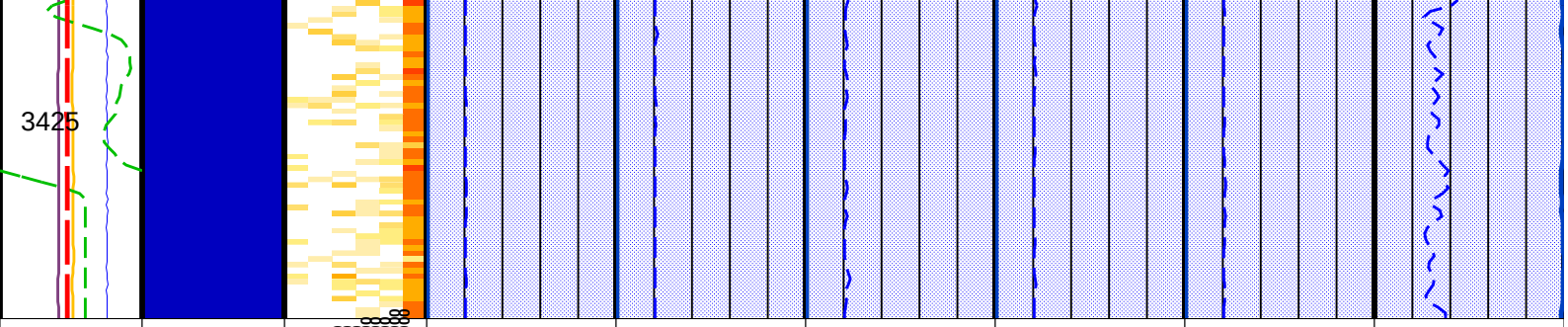
DFH5_FSI


3200
3225
3250


3276
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
3300
CVEL_FSI
CID_FSI
CALI_FSI


3325
3350
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
CVEL_FSI
CID_FSI
CALI_FSI


3375
3400
RB_180_FSI
GR
DFB5_FSI
DFH5_FSI
DFB4_FSI
DFH4_FSI
DFB3_FSI
DFH3_FSI
DFB2_FSI
DFH2_FSI
DFB1_FSI
DFH1_FSI
DFB0_FSI
DFH0_FSI
CVEL_FSI
CID_FSI
CALI_FSI



Gamma Ray (GR) (GAPI) 0 150	Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (-----	Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)	Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (---- 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (---- 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (---- 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (---- 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (---- 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (---- 1
Calibrated Caliper (CALI_FSI) 0 (IN) 8			Electrical Probe 0 Bubble Count Rate (DFB0_FSI) (CPS) −100 400	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) (CPS) −100 400	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) (CPS) −100 400	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) (CPS) −100 400	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) (CPS) −100 400	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) (CPS) −100 400
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_FSI) (DEG) −180 180								
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40								

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 11:08

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

PSP_GMS_PSTS_PSTE_904PUP FN:10 12−Aug−2009 12:25 3430.1 M 3121.3 M

Output DLIS Files

DEFAULT PSP_GMS_PSTS_PSTE_919PUP FN:25 PRODUCER 20−Aug−2009 11:08

Schlumberger

Flowing up pass @ 10m/min−SPINNER
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

	PSP_GMS_PSTS_PSTE_904PUP	FN:10	12−Aug−2009 12:25	3430.1 M	3121.3 M

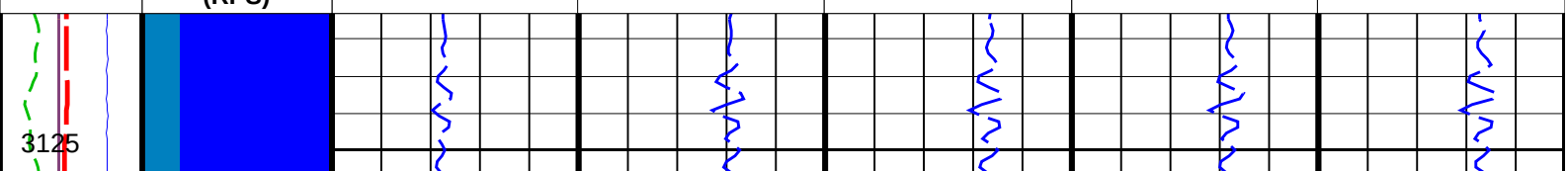
Output DLIS Files

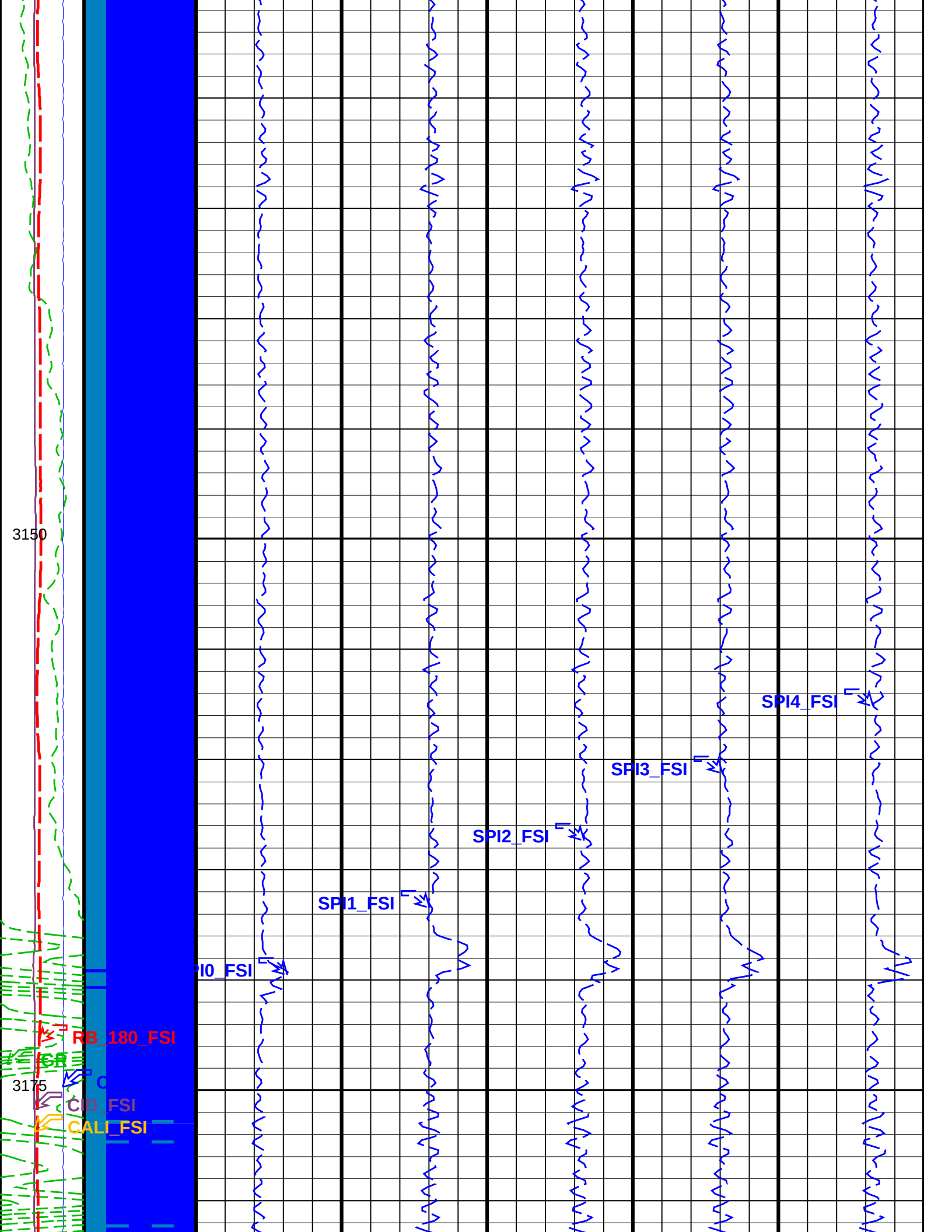
DEFAULT	PSP_GMS_PSTS_PSTE_919PUP	FN:25	PRODUCER	20−Aug−2009 11:08

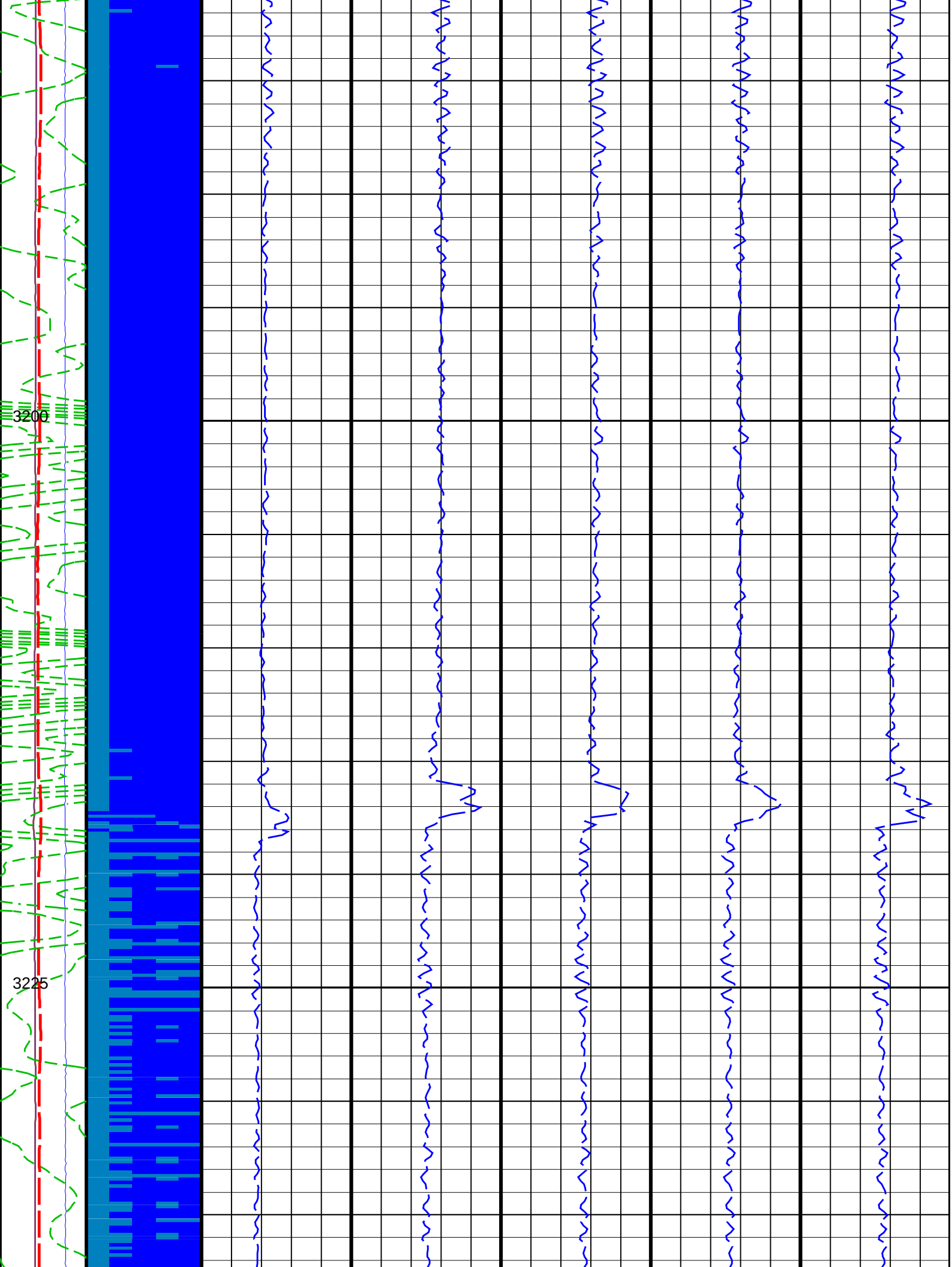
OP System Version: 17C0−154

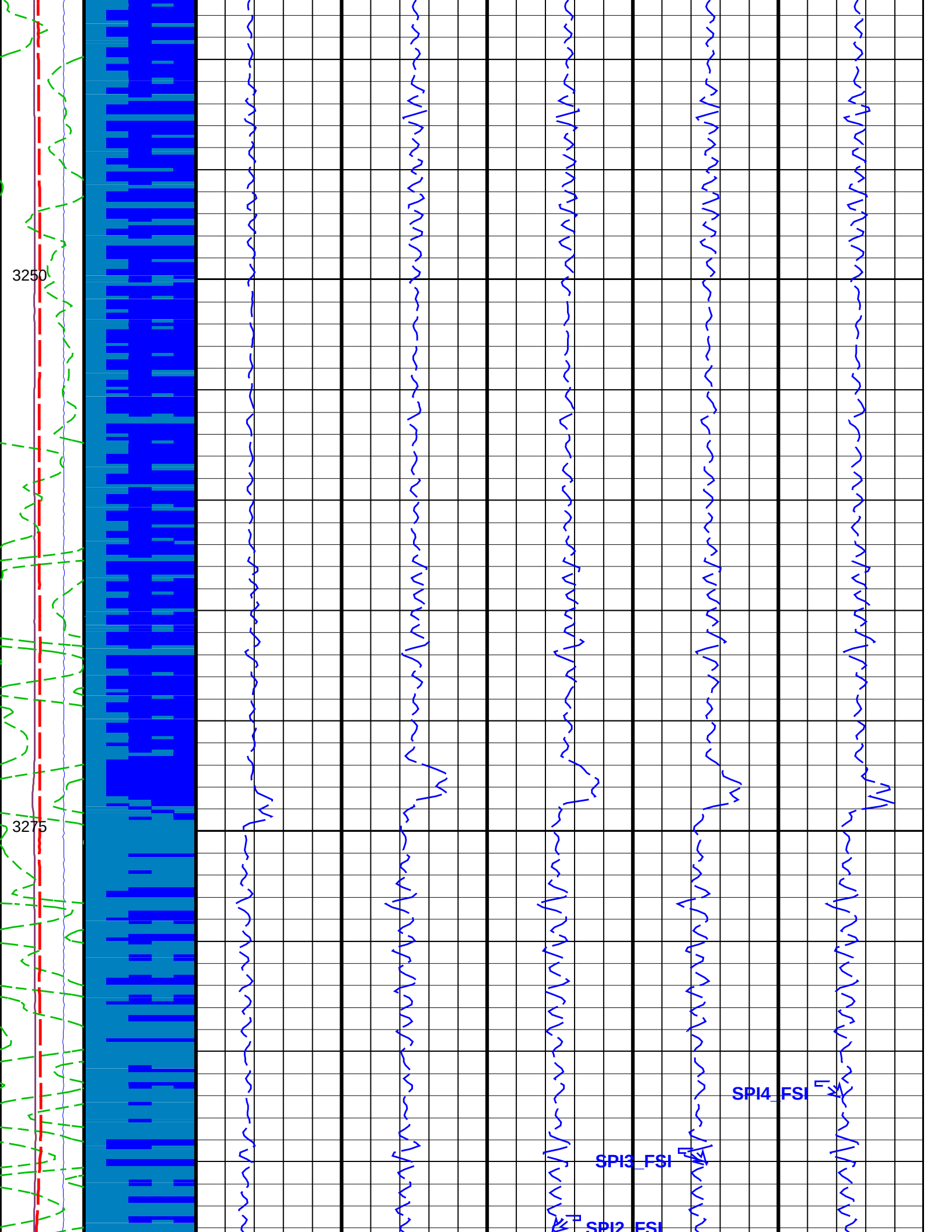
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

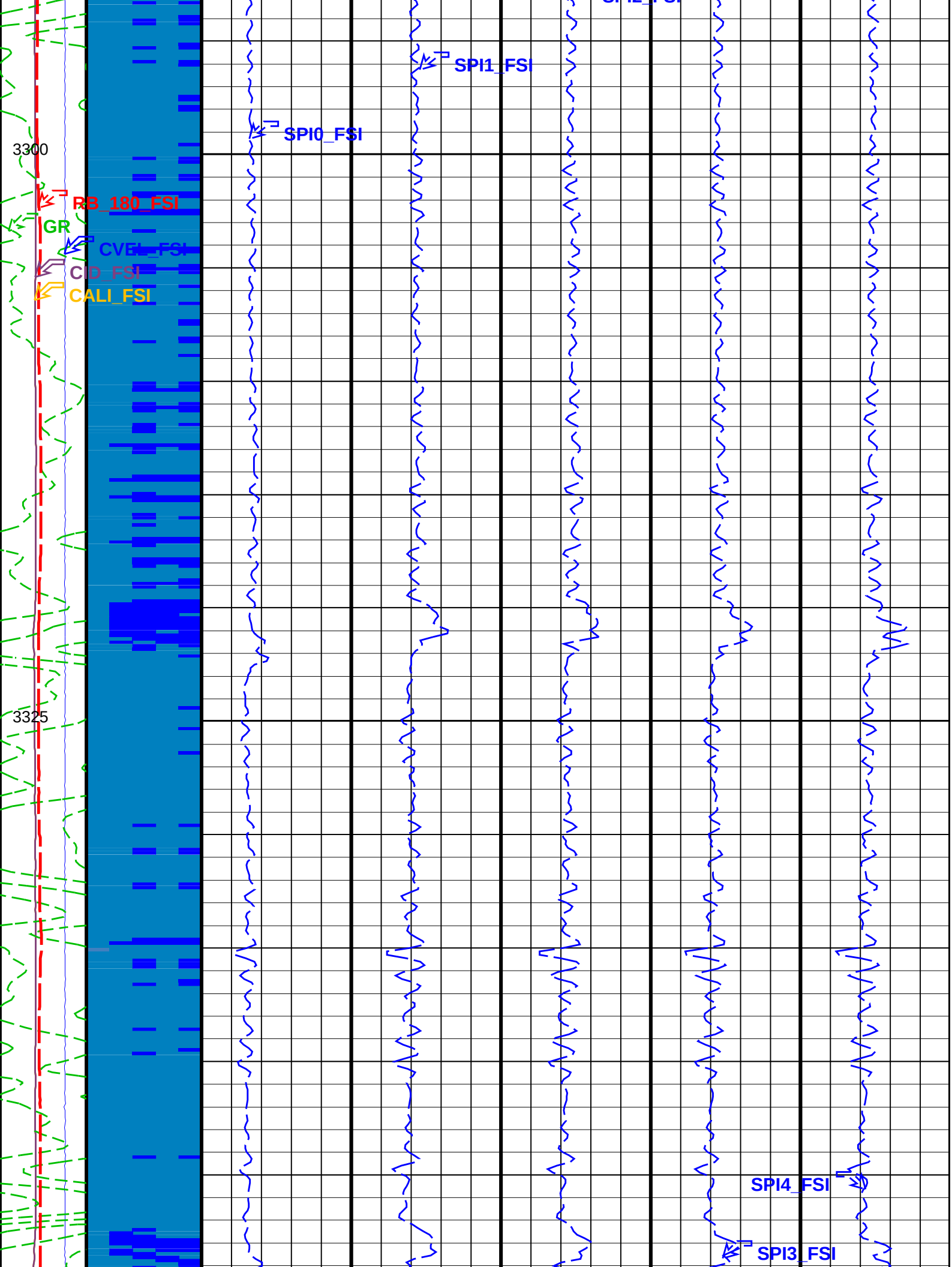
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40						
FSIT RB (RB_180_FSI) (DEG) −180 180						
Calibrated Casing ID (CID_FSI) 0 (IN) 10						
Calibrated Caliper (CALI_FSI) 0 (IN) 10						
Gamma Ray (GR) (GAPI) 0 150	RPS − Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 10 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 10 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 10 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 10 (RPS) 30

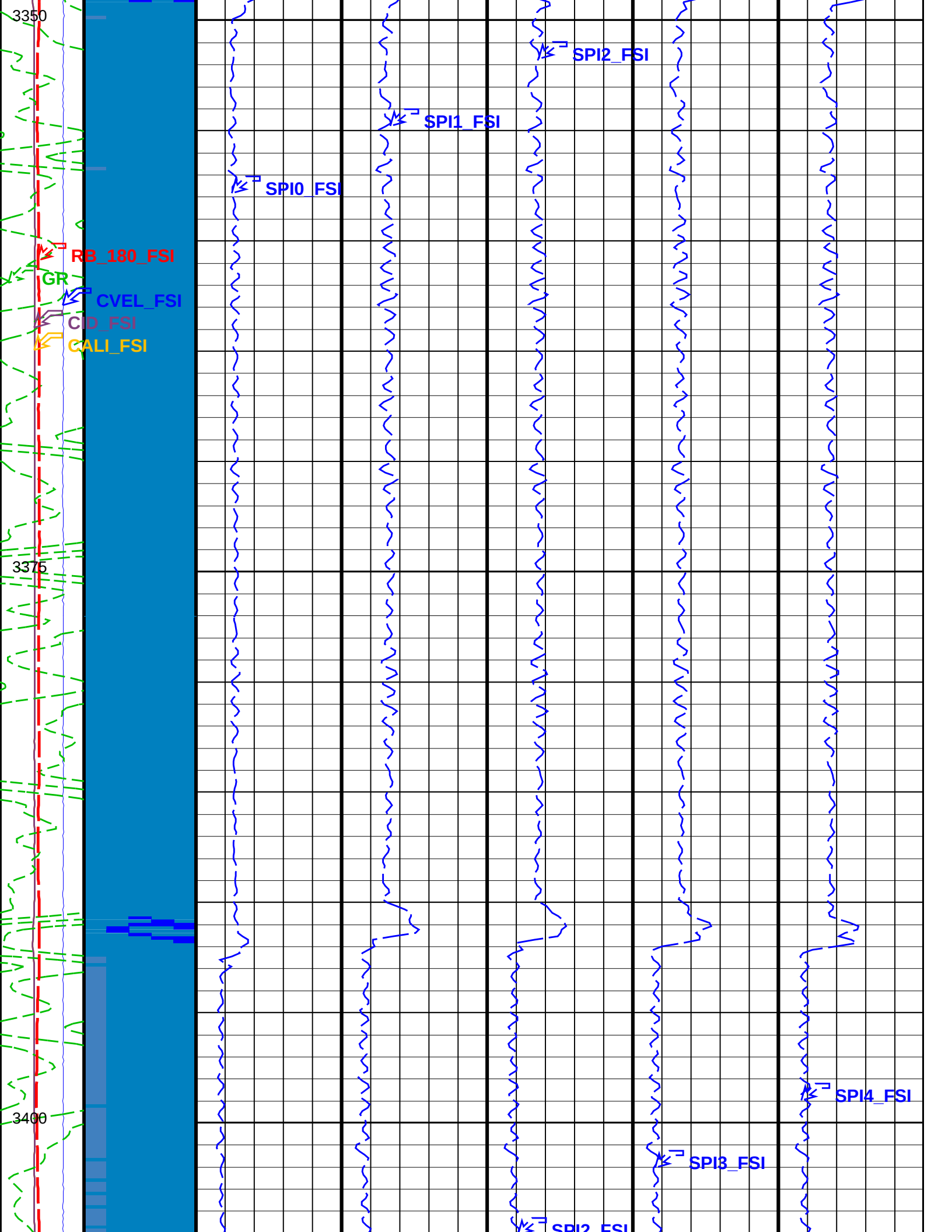


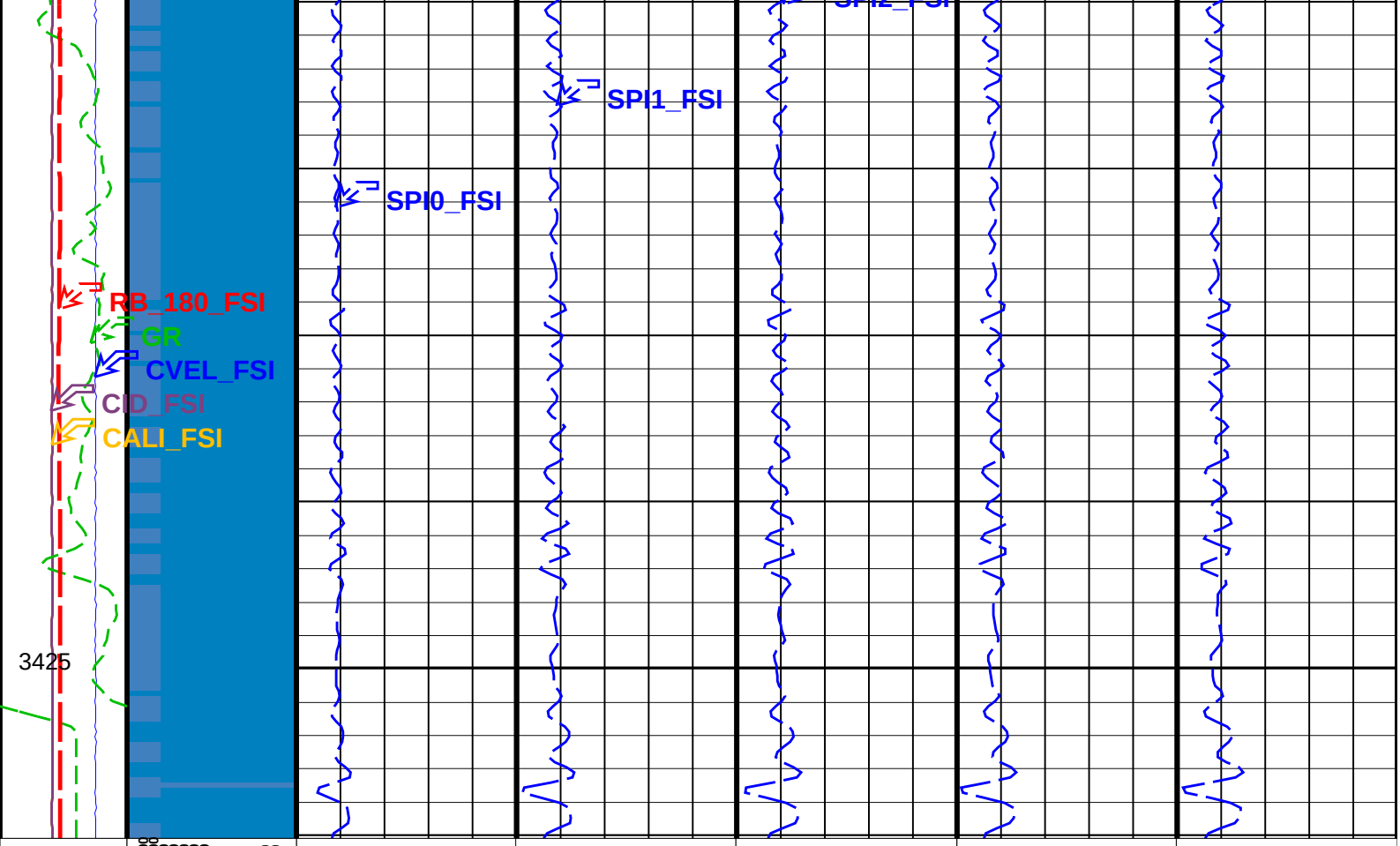

3150
3175
SPI4_FSI
SPI3_FSI
SPI2_FSI
SPI1_FSI
PI0_FSI
RB_180_FSI
GR
C
CID_FSI
CALI_FSI


3200
3225


3250
3275
SPI4_FSI
SPI3_FSI
SPI2_FSI


SPI1_FSI
SPI0_FSI
3300
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI
3325
SPI4_FSI
SPI3_FSI


3350
3375
3400
SPI2_FSI
SPI1_FSI
SPI0_FSI
RB_180_FSI
GR
CVEL_FSI
CID_FSI
CALI_FSI
SPI4_FSI
SPI3_FSI
SPI2_FSI



Gamma Ray (GR) (GAPI) 0 – 150	RPS – Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) 5 (RPS) 30	Spinner 1 Rotational Velocity (SPI1_FSI) 10 (RPS) 30	Spinner 2 Rotational Velocity (SPI2_FSI) 10 (RPS) 30	Spinner 3 Rotational Velocity (SPI3_FSI) 10 (RPS) 30	Spinner 4 Rotational Velocity (SPI4_FSI) 10 (RPS) 30

Calibrated Caliper (CALI_FSI) 0 (IN) 10
Calibrated Casing ID (CID_FSI) 0 (IN) 10
FSIT RB (RB_180_FSI) (DEG) −180 180
Cable Velocity Memorized (CVEL_FSI) (M/MN) 0 40

Format: FSI_SPINNER_DL Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 11:08

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value	
	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

PSP_GMS_PSTS_PSTE_904PUP	FN:10	12−Aug−2009 12:25	3430.1 M	3121.3 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_919PUP	FN:25	PRODUCER	20−Aug−2009 11:08

Schlumberger

Flowing up pass @ 10m/min−PSP
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

PSP_GMS_PSTS_PSTE_904PUP	FN:10	12−Aug−2009 12:25	3430.1 M	3121.3 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_919PUP	FN:25	PRODUCER	20−Aug−2009 11:08

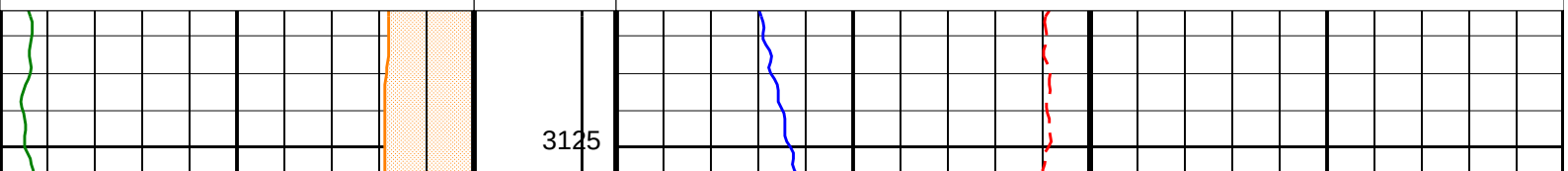
OP System Version: 17C0−154

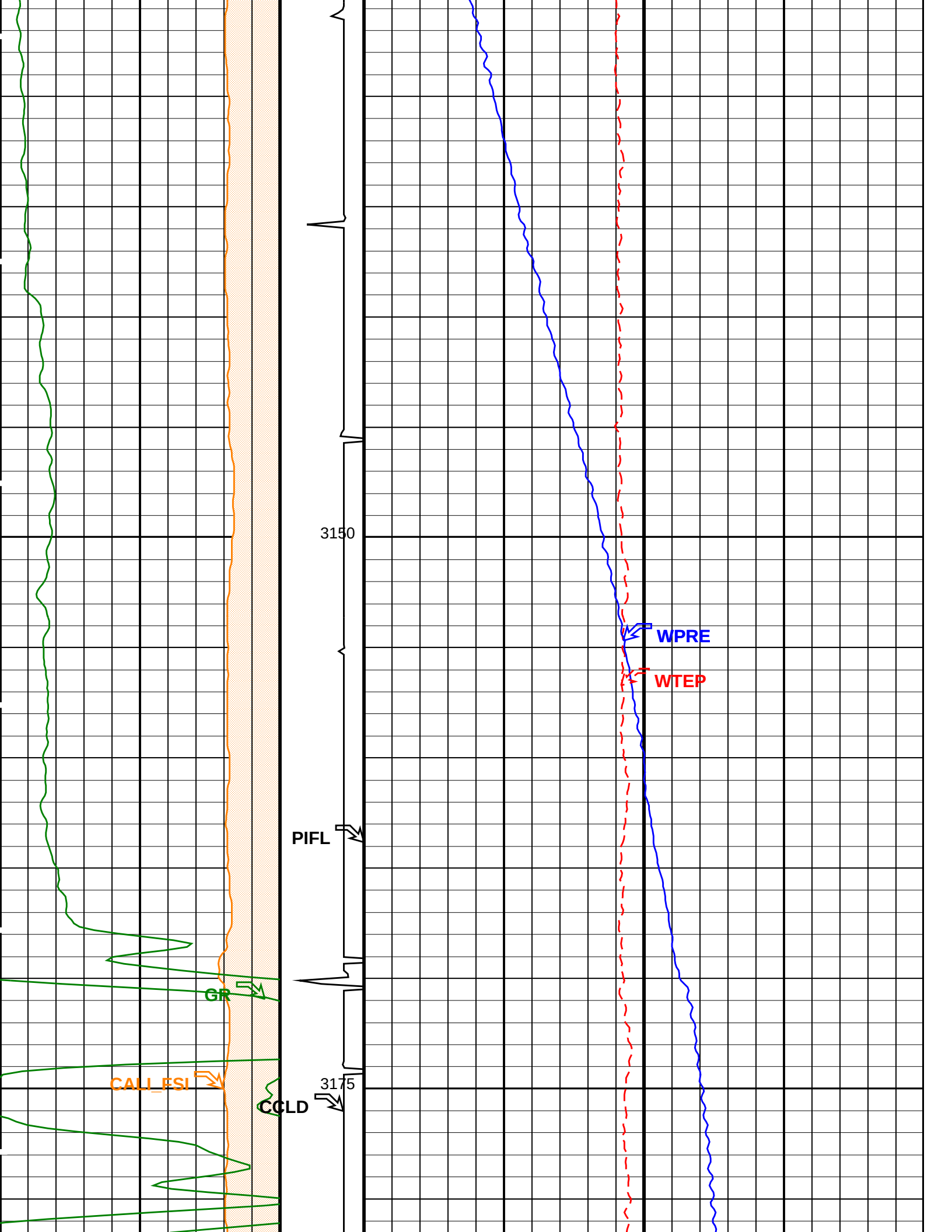
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

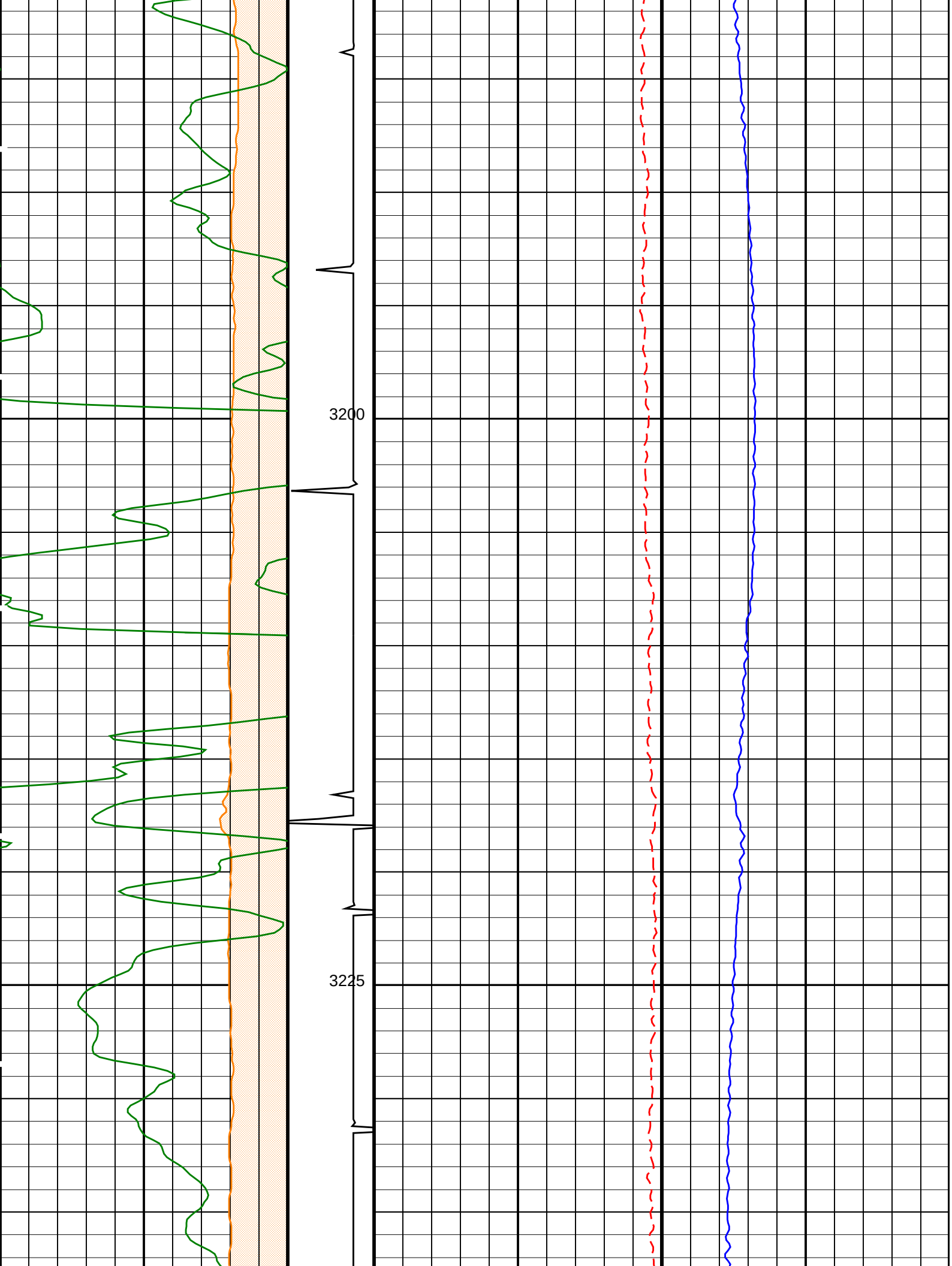
PIP SUMMARY

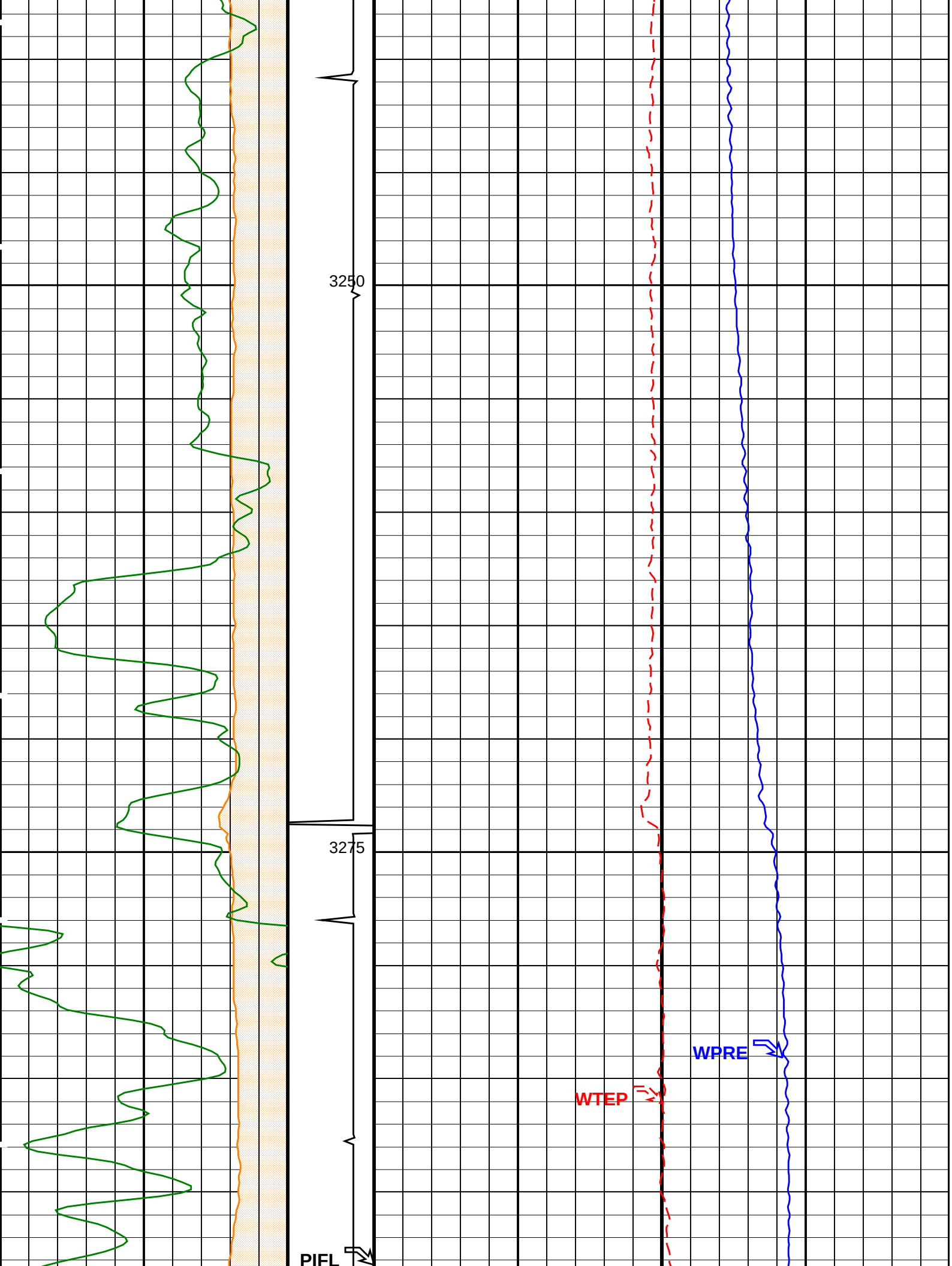
Time Mark Every 60 S

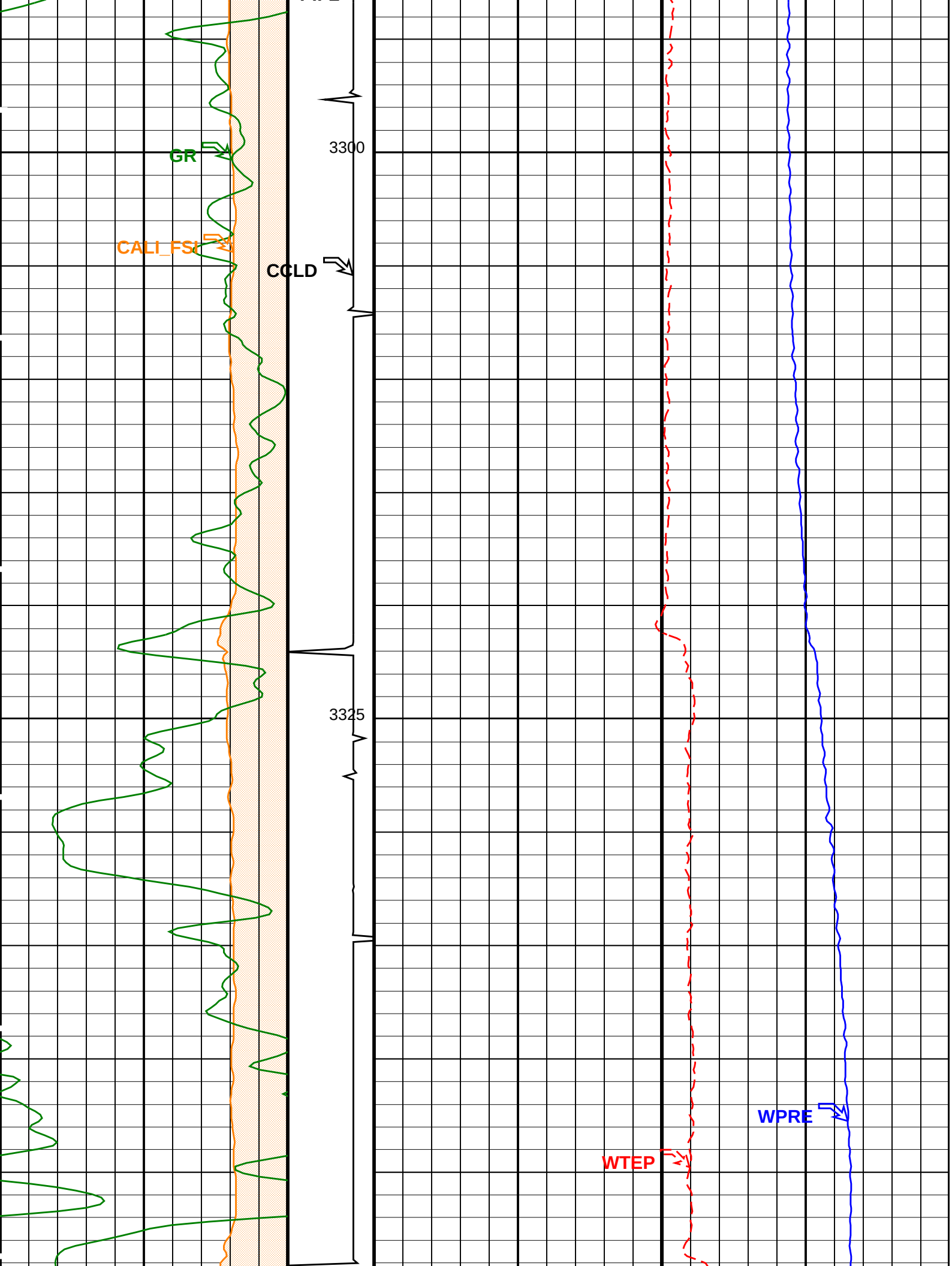
Gamma Ray (GR)	Perfo Zone From PERFO_CURVE to D3T	Well Pressure (WPRE)
0 (GAPI) 600		3095 (PSIA) 3120
Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	221 (DEGF) 221.5

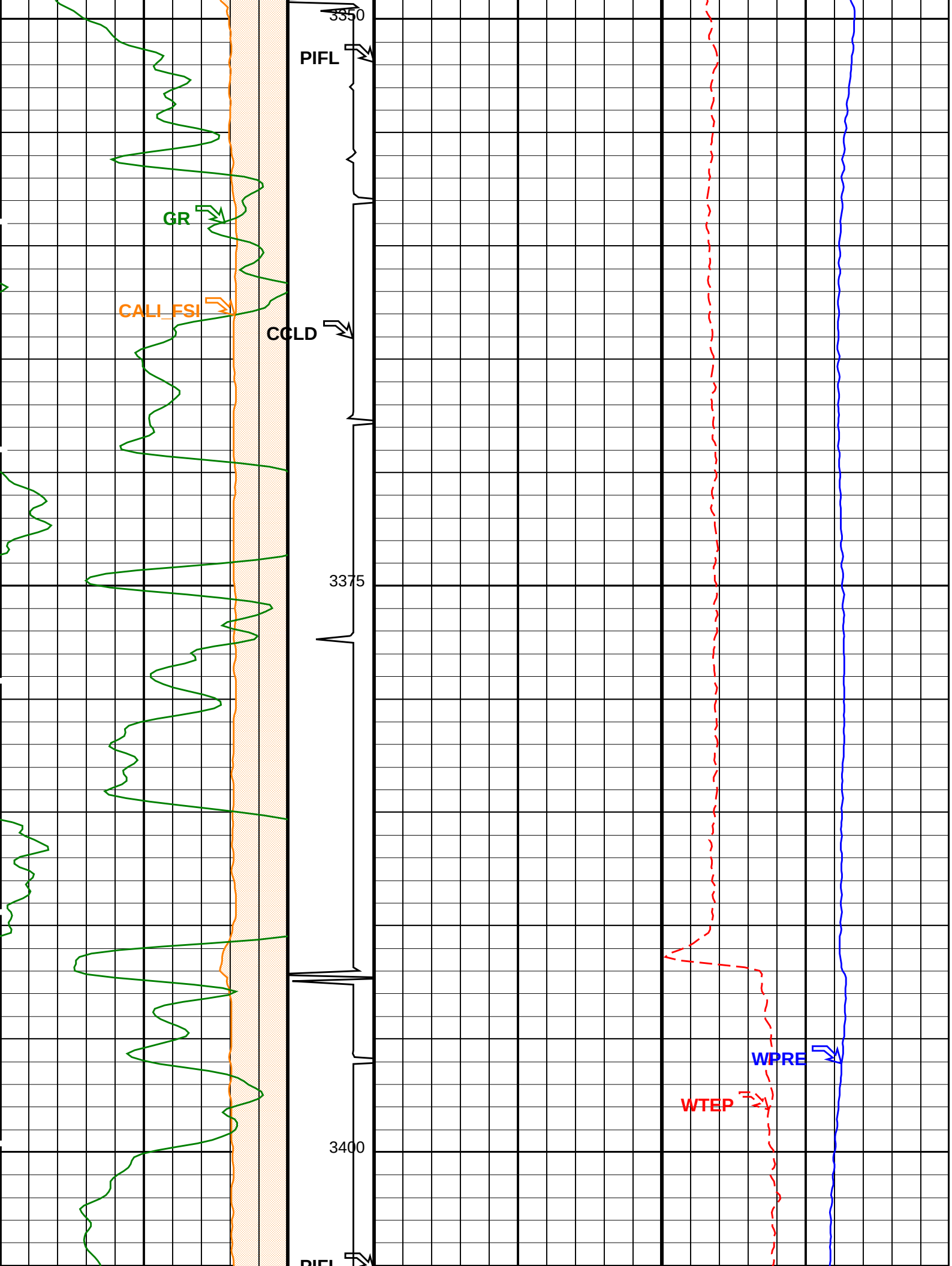


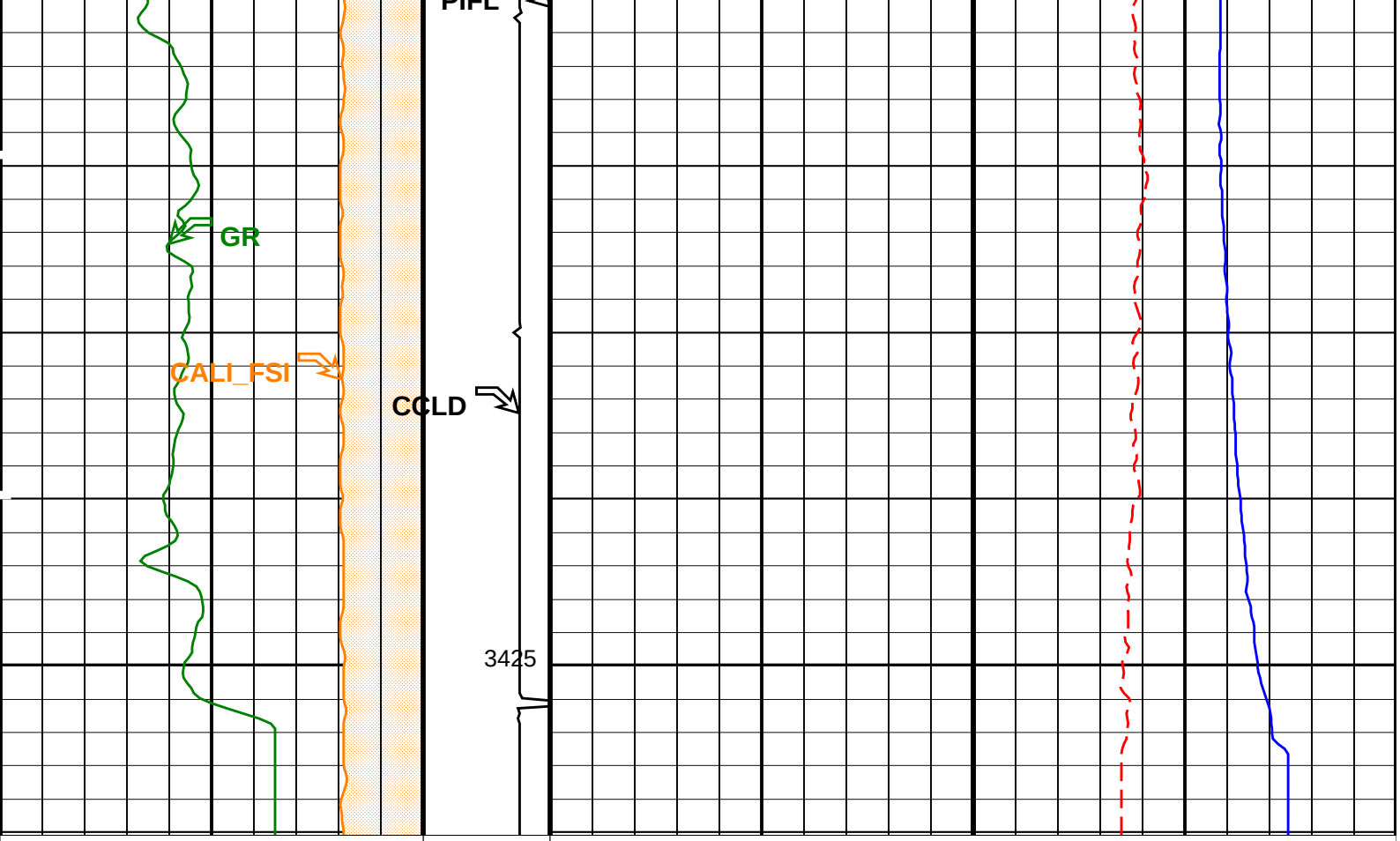

3150
WPRE
WTEP
PIFL
GR
CALI_FSI
3175
CCLD


3200
3225


3250
3275
WPRE
WTEP
PIFL


3300
3325
GR
CALI_FSI
CCLD
WPRE
WTEP


3350
PIFL
GR
CALI_FSI
CCLD
3375
WPRE
WTEP
3400
PIFL



Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	221 (DEGF) 221.5
Gamma Ray (GR)	Perfo Zone From PERFO_CURVE to D3T	Well Pressure (WPRE)
0 (GAPI) 600		3095 (PSIA) 3120

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 20−Aug−2009 11:08

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

PSP_GMS_PSTS_PSTE_904PUP FN:10 12−Aug−2009 12:25 3430.1 M 3121.3 M

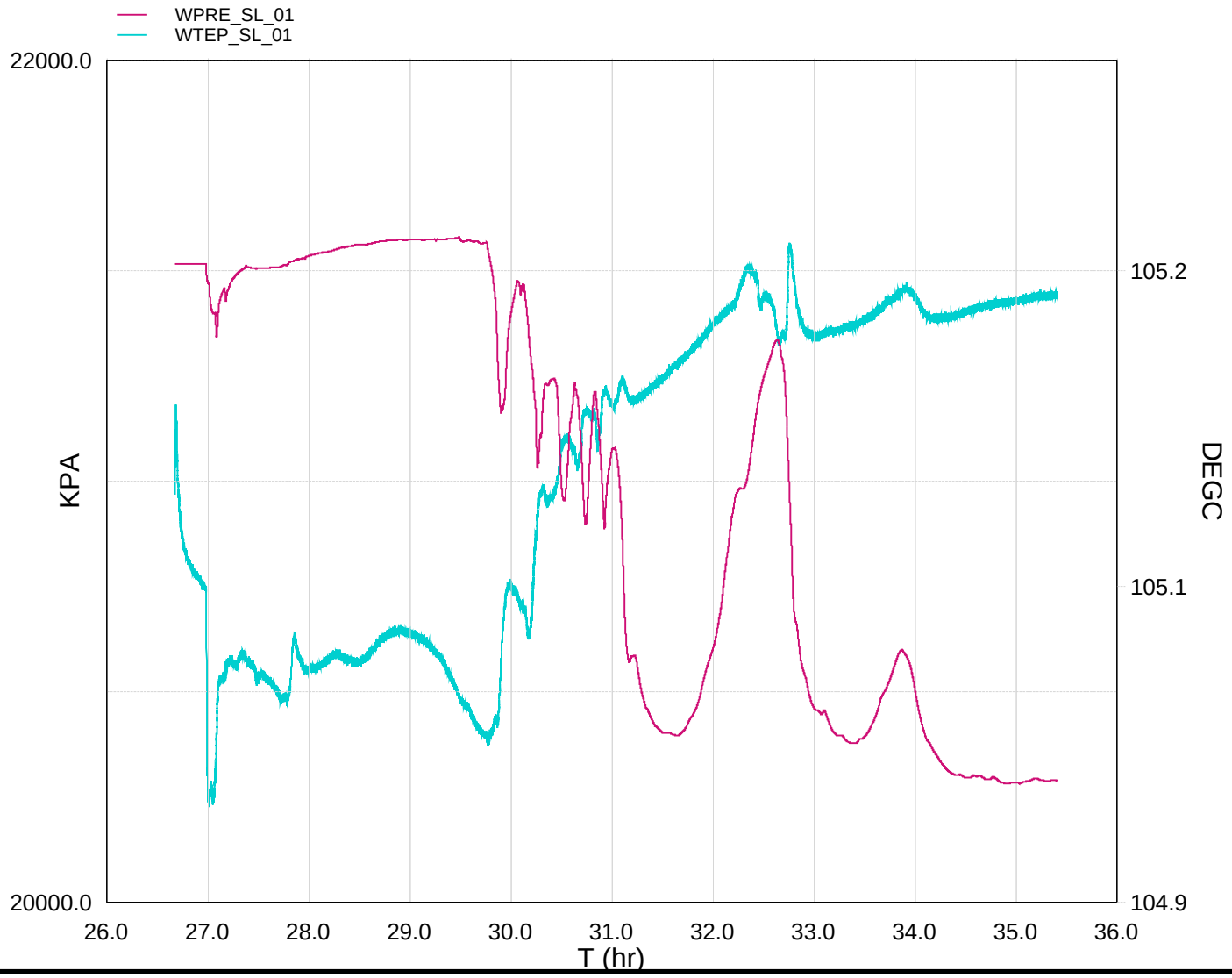
Output DLIS Files

DEFAULT PSP_GMS_PSTS_PSTE_919PUP FN:25 PRODUCER 20−Aug−2009 11:08

Schlumberger

Flowing station log
3433m MDKB

MAXIS Field Log



Schlumberger

Static down pass − EPROBE
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19	3434.9 M	3115.4 M

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Cable Velocity Memorized (CVEL_FSI) (M/MN)
−50 50

FSIT RB (RB_180_FSI) (DEG)
−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

Calibrated Caliper (CALI_FSI)
0 (IN) 10

Gamma Ray (GR) (GAPI)
0 150

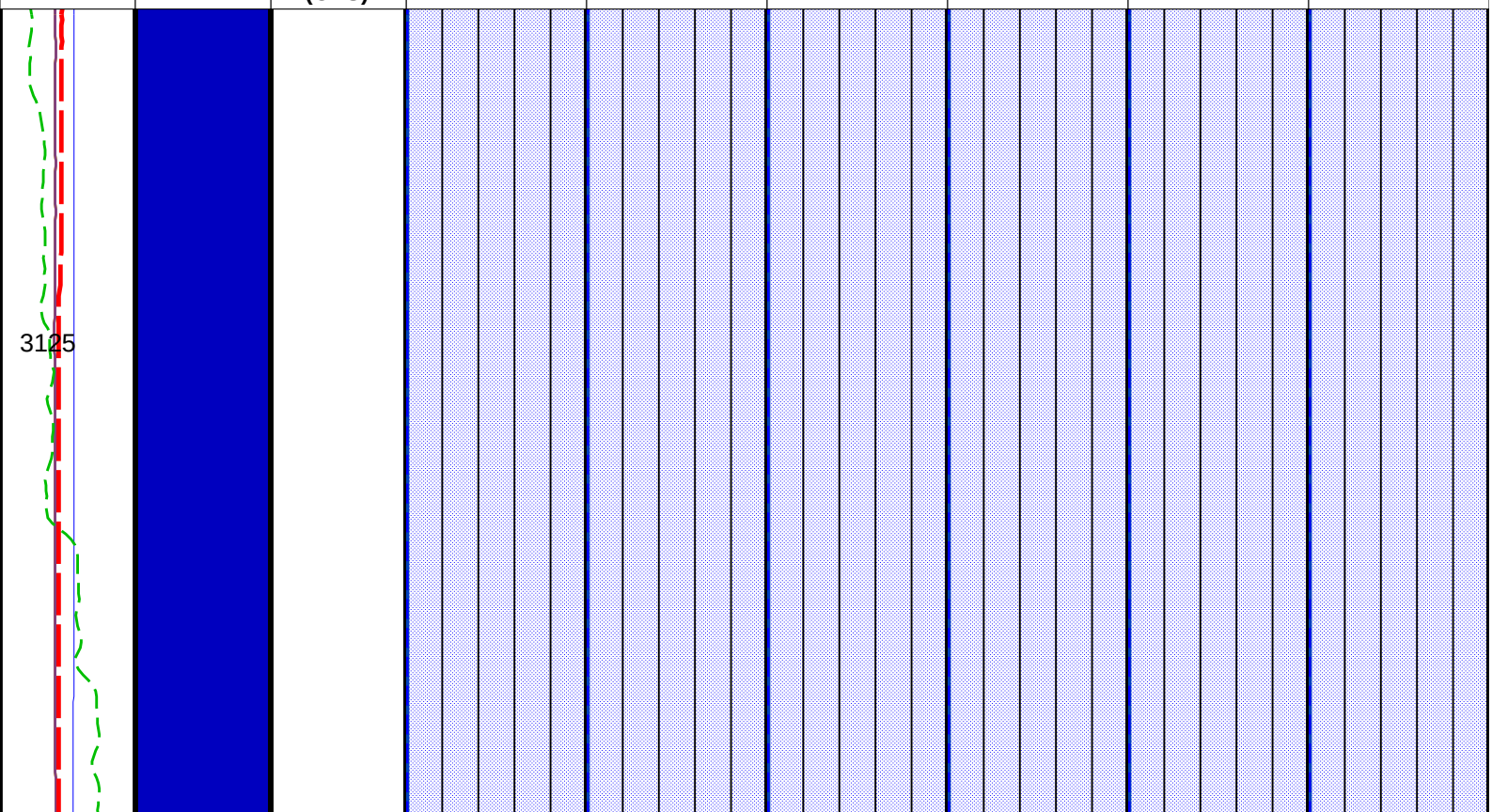
Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (−−−−

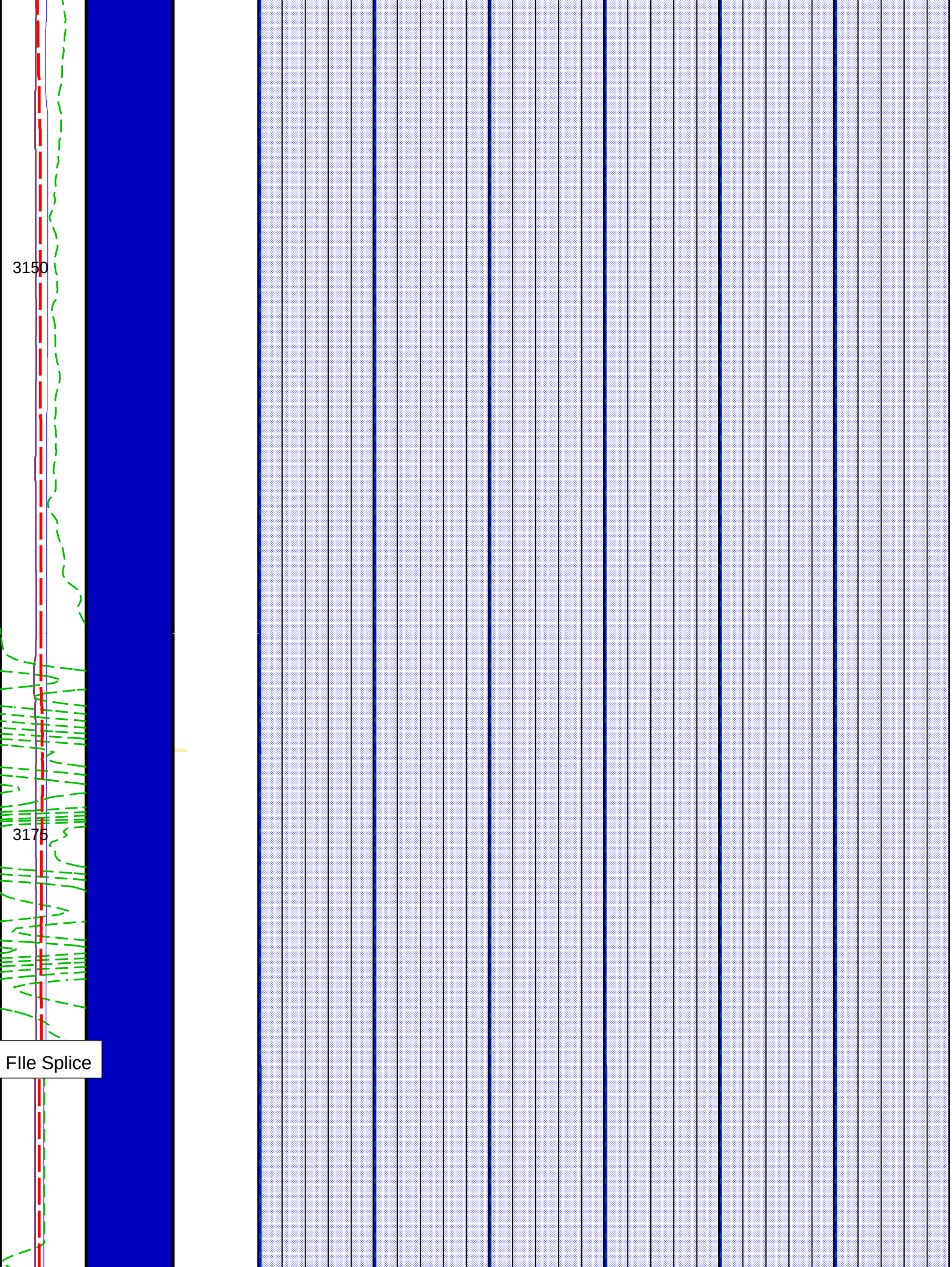
0.0000 0.0500 0.1500 0.2500 0.3500 0.5000 0.6500 0.7500 0.8500 0.9500

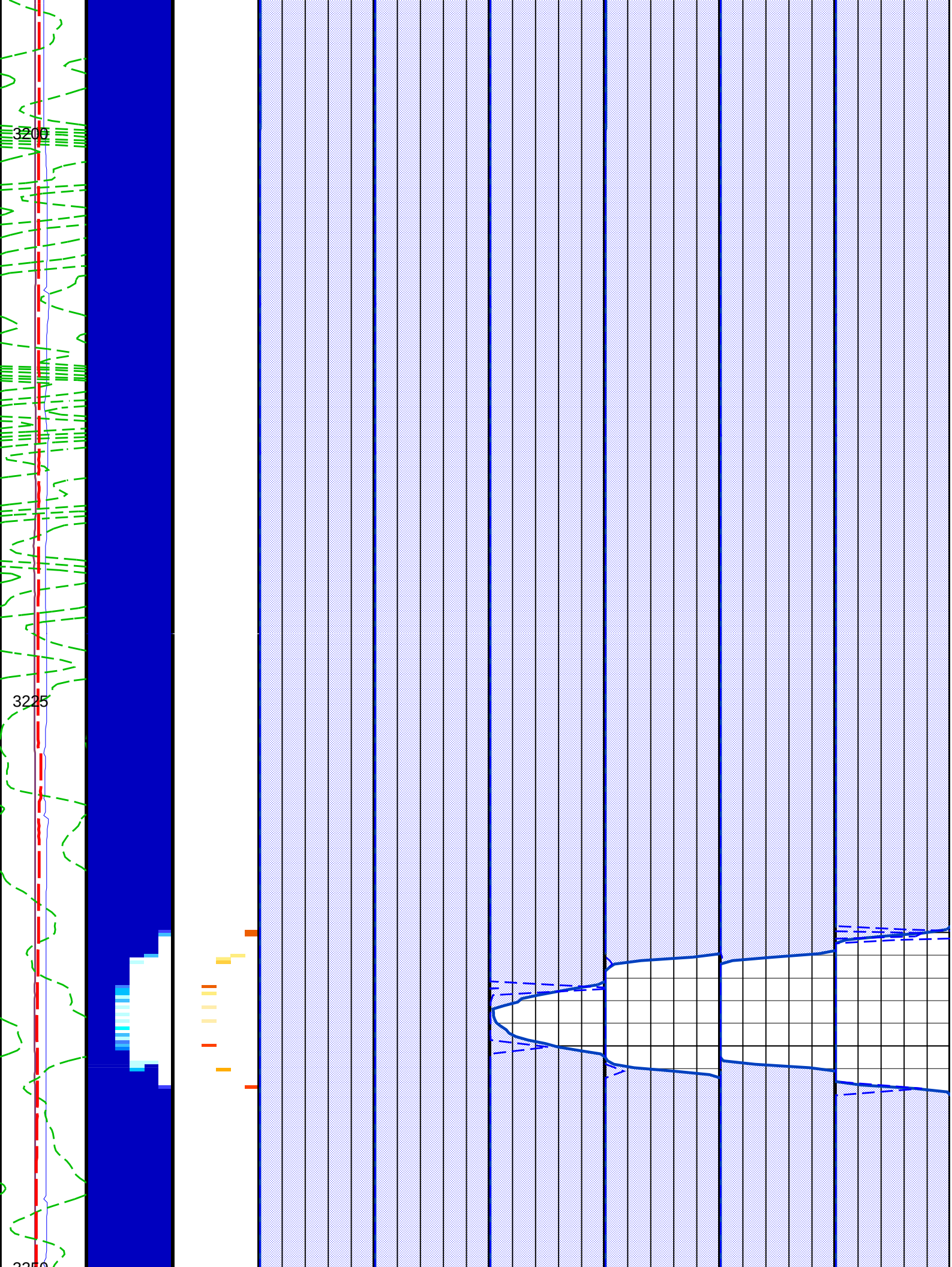
Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)

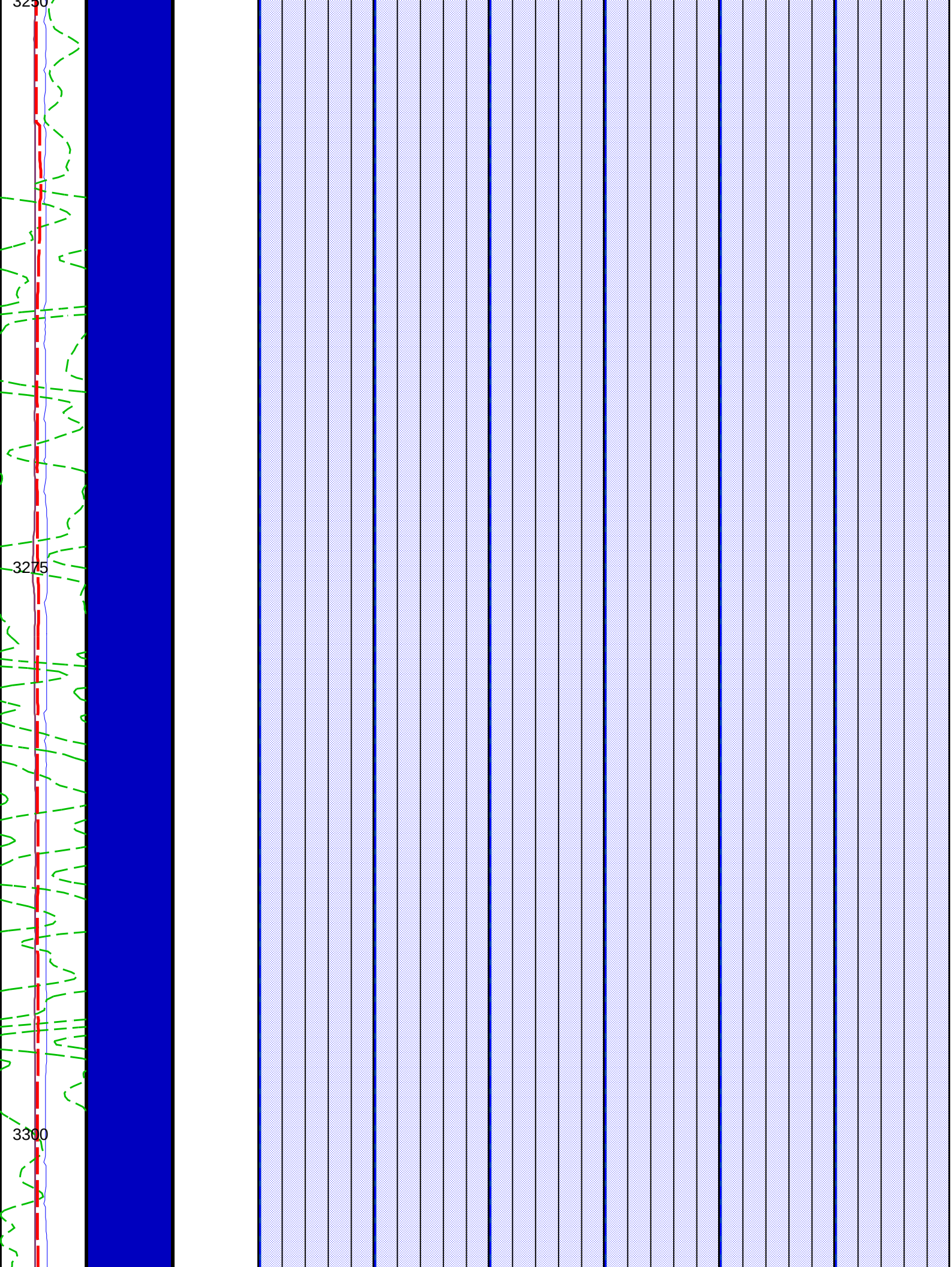
0.0000 1.0000 2.0000 5.0000 10.0000 20.0000 50.0000 100.0000 200.0000 500.0000 1000.0000 2000.0000

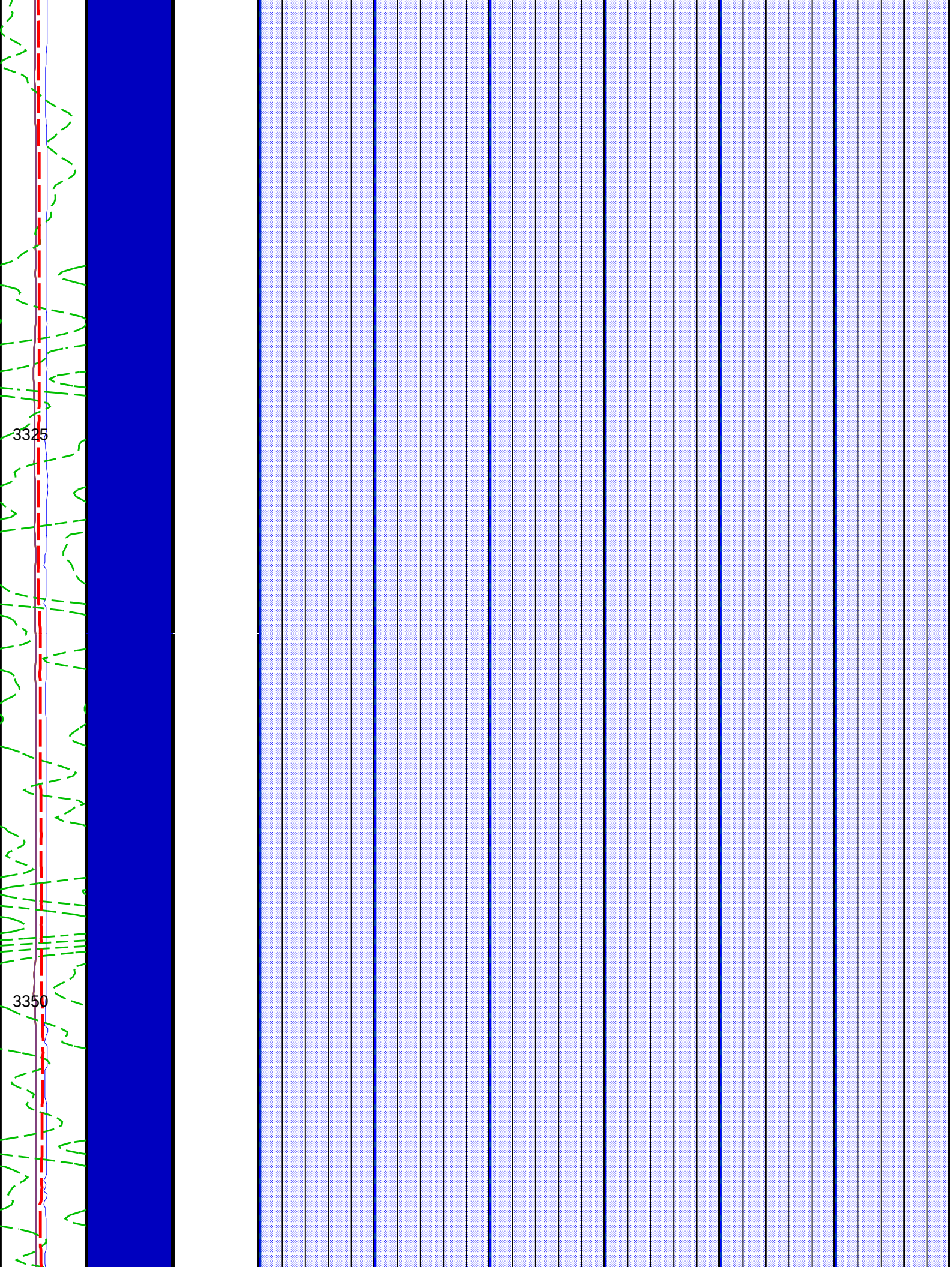
EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
Electrical Probe 0 Bubble Count Rate (DFB0_FSI) 0 (CPS) 100	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) 0 (CPS) 100	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) 0 (CPS) 100	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) 0 (CPS) 100	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) 0 (CPS) 100	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) 0 (CPS) 100
Electrical Probe 0 Water Holdup (DFH0_FSI) 0 (−−−− 1	Electrical Probe 1 Water Holdup (DFH1_FSI) 0 (−−−− 1	Electrical Probe 2 Water Holdup (DFH2_FSI) 0 (−−−− 1	Electrical Probe 3 Water Holdup (DFH3_FSI) 0 (−−−− 1	Electrical Probe 4 Water Holdup (DFH4_FSI) 0 (−−−− 1	Electrical Probe 5 Water Holdup (DFH5_FSI) 0 (−−−− 1

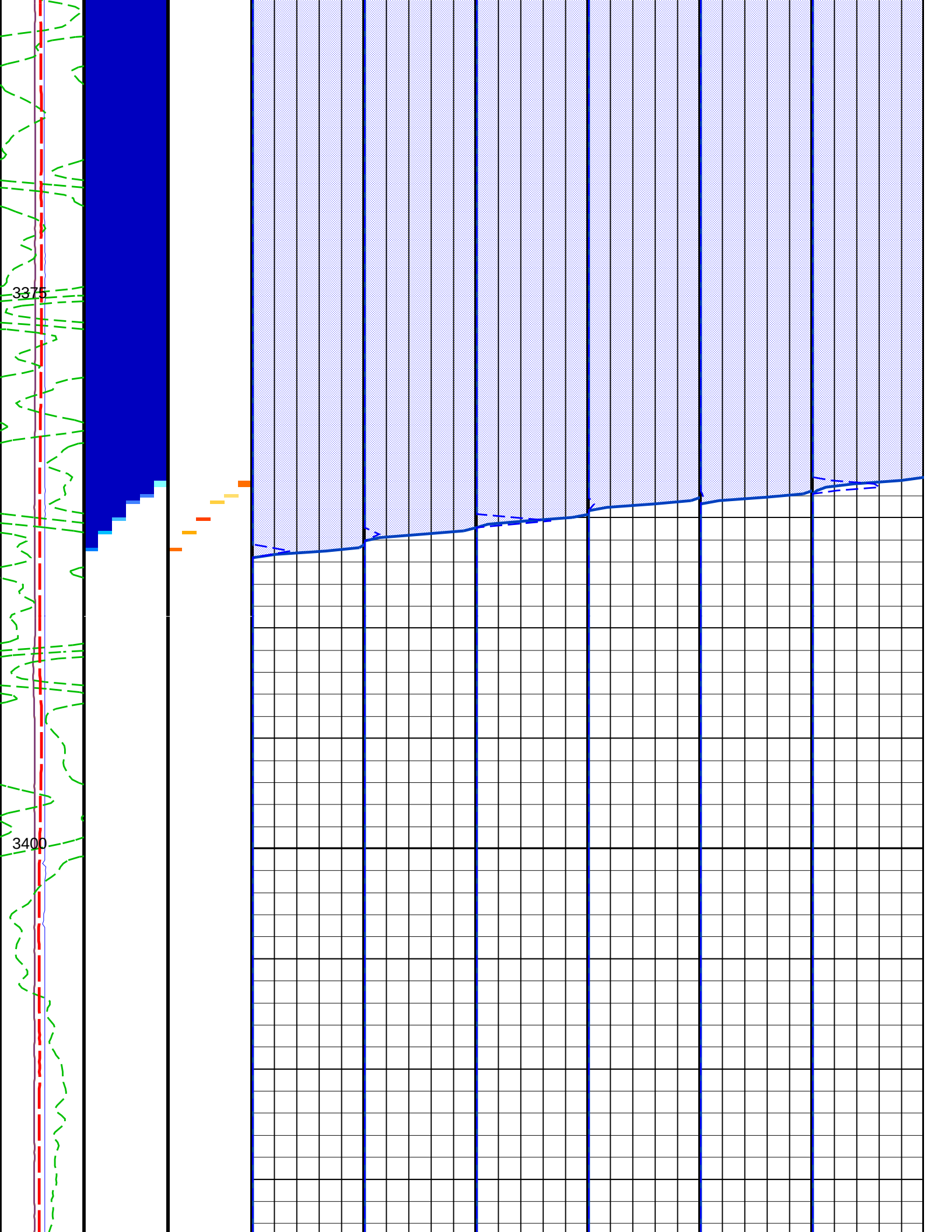


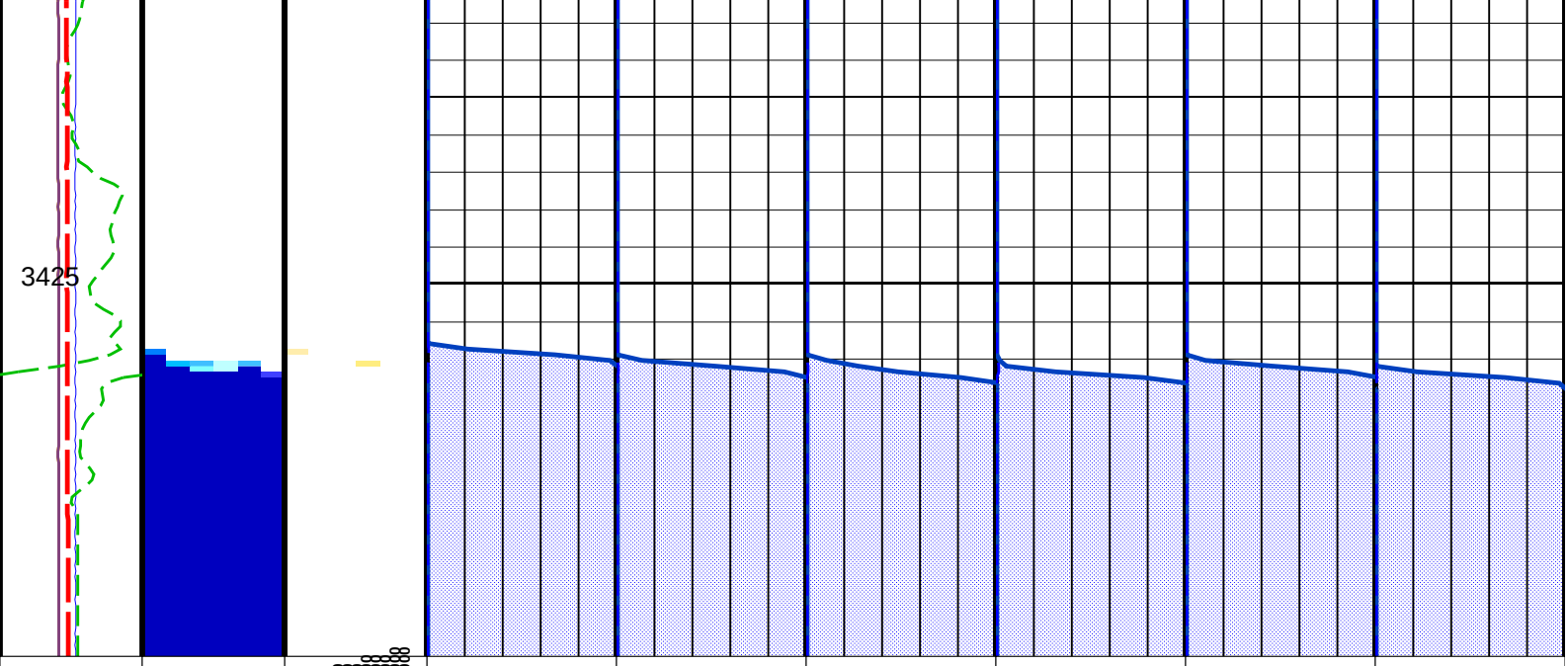

3150
3175
FIle Splice


3200
3225
3250


3250
3275
3300


3325
3350


3375
3400



Gamma Ray (GR) (GAPI)	Electrical Probe Holdup Image (RAW_EHIMAGE_16C) (----	Electrical Probe Bubble Count Image (RAW_EBCIMAGE_16C) (CPS)	Electrical Probe 0 Water Holdup (DFH0_FSI)	Electrical Probe 1 Water Holdup (DFH1_FSI)	Electrical Probe 2 Water Holdup (DFH2_FSI)	Electrical Probe 3 Water Holdup (DFH3_FSI)	Electrical Probe 4 Water Holdup (DFH4_FSI)	Electrical Probe 5 Water Holdup (DFH5_FSI)
0 150	0.0000 0.0500 0.1500 0.2500 0.3500 0.5500 0.6500 0.7500 0.8500 0.9500	0.0000 1.0000 2.0000 5.0000 10.0000 20.0000 100.0000 500.0000 1000.0000 2000.0000	0 (---- 1	0 (---- 1	0 (---- 1	0 (---- 1	0 (---- 1	0 (---- 1
Calibrated Caliper (CALI_FSI) 0 (IN) 10			Electrical Probe 0 Bubble Count Rate (DFB0_FSI) 0 (CPS) 100	Electrical Probe 1 Bubble Count Rate (DFB1_FSI) 0 (CPS) 100	Electrical Probe 2 Bubble Count Rate (DFB2_FSI) 0 (CPS) 100	Electrical Probe 3 Bubble Count Rate (DFB3_FSI) 0 (CPS) 100	Electrical Probe 4 Bubble Count Rate (DFB4_FSI) 0 (CPS) 100	Electrical Probe 5 Bubble Count Rate (DFB5_FSI) 0 (CPS) 100
Calibrated Casing ID (CID_FSI) 0 (IN) 10			EH0_Area From FSIT_T3 to EH0	EH1_Area From FSIT_T4 to EH1	EH2_Area From FSIT_T5 to EH2	EH3_Area From FSIT_T6 to EH3	EH4_Area From FSIT_T7 to EH4	EH5_Area From FSIT_T8 to EH5
FSIT RB (RB_180_FSI) (DEG) −180 180								
Cable Velocity Memorized (CVEL_FSI) (M/MN) −50 50								

Format: FSI_EPROBE_DL Vertical Scale: 1:200 Graphics File Created: 12−Aug−2009 10:19

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value

	System and Miscellaneous		
DO	Depth Offset for Playback	0.0	M
PP	Playback Processing	NORMAL	

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19

Schlumberger

Static down pass − SPINNER
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19	3434.9 M	3115.4 M

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

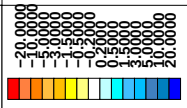
Cable Velocity Memorized (CVEL_FSI) (M/MN)
−50 50

FSIT RB (RB_180_FSI) (DEG)
−180 180

Calibrated Casing ID (CID_FSI)
0 (IN) 10

Calibrated Caliper (CALI_FSI)
0 (IN) 10

Gamma Ray (GR) (GAPI)



RPS − Rotational Velocity (medium fluid)

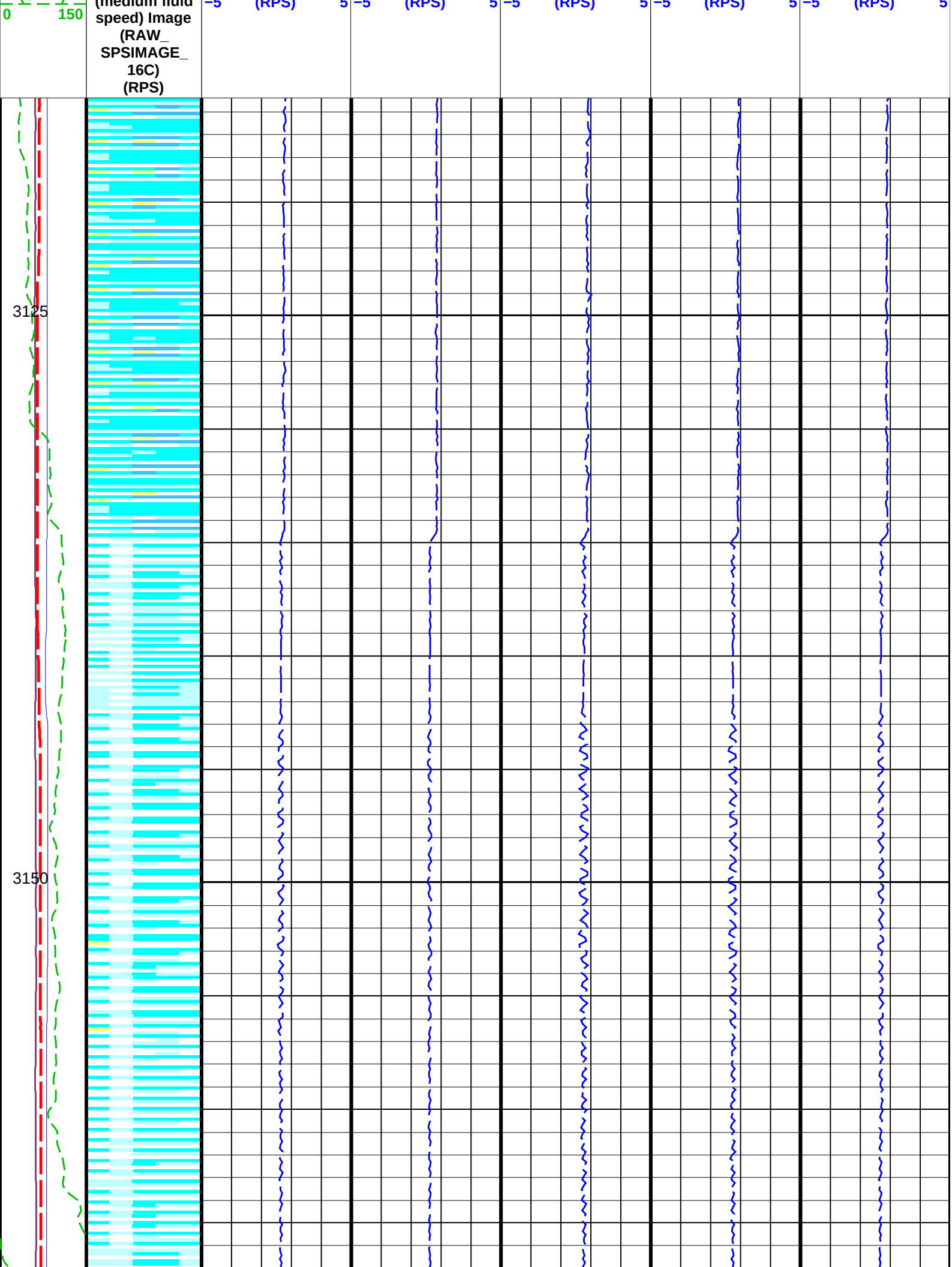
Spinner 0 Rotational Velocity (SPI0_FSI)
5 (RPS) 5

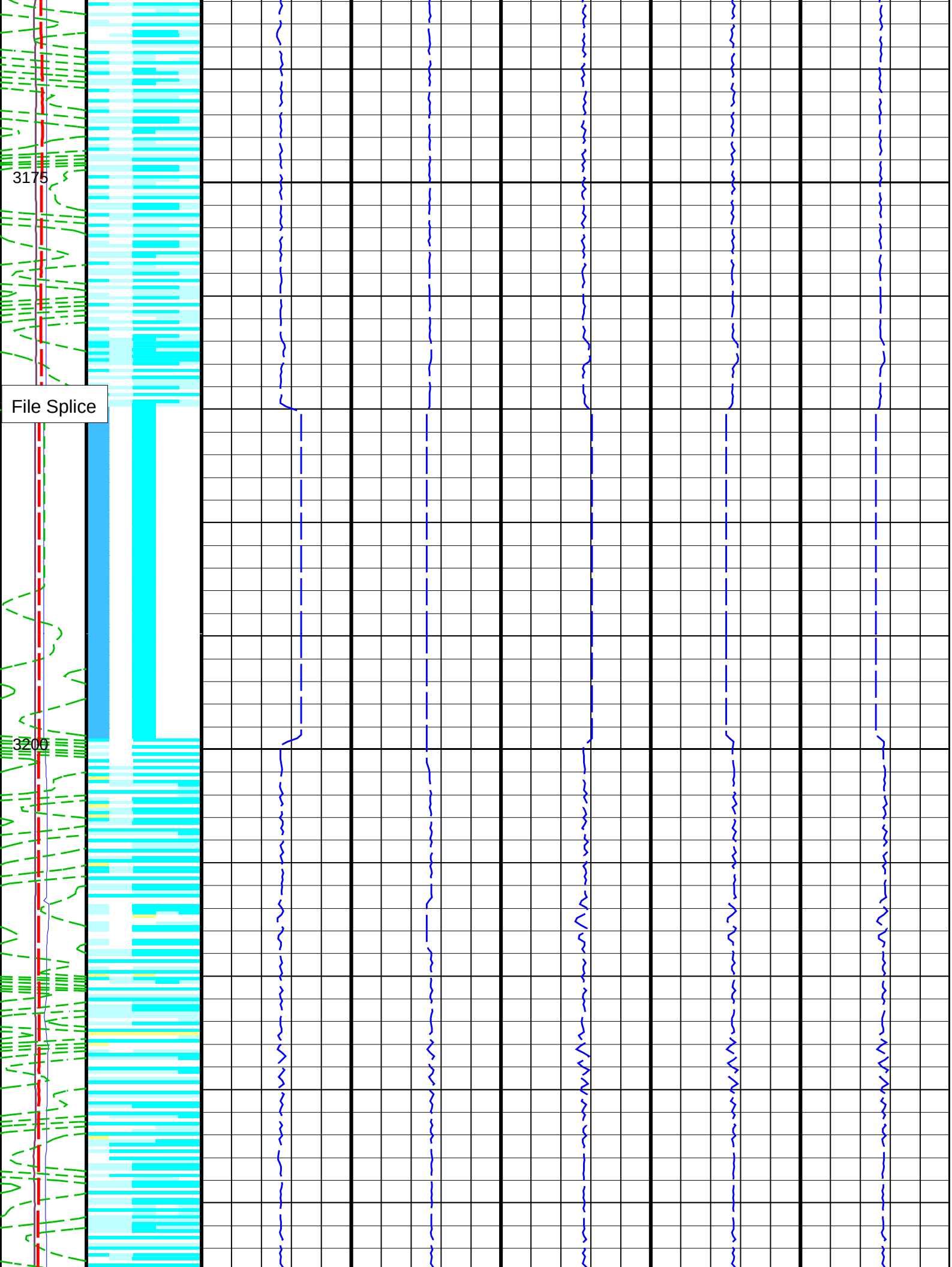
Spinner 1 Rotational Velocity (SPI1_FSI)
5 (RPS) 5

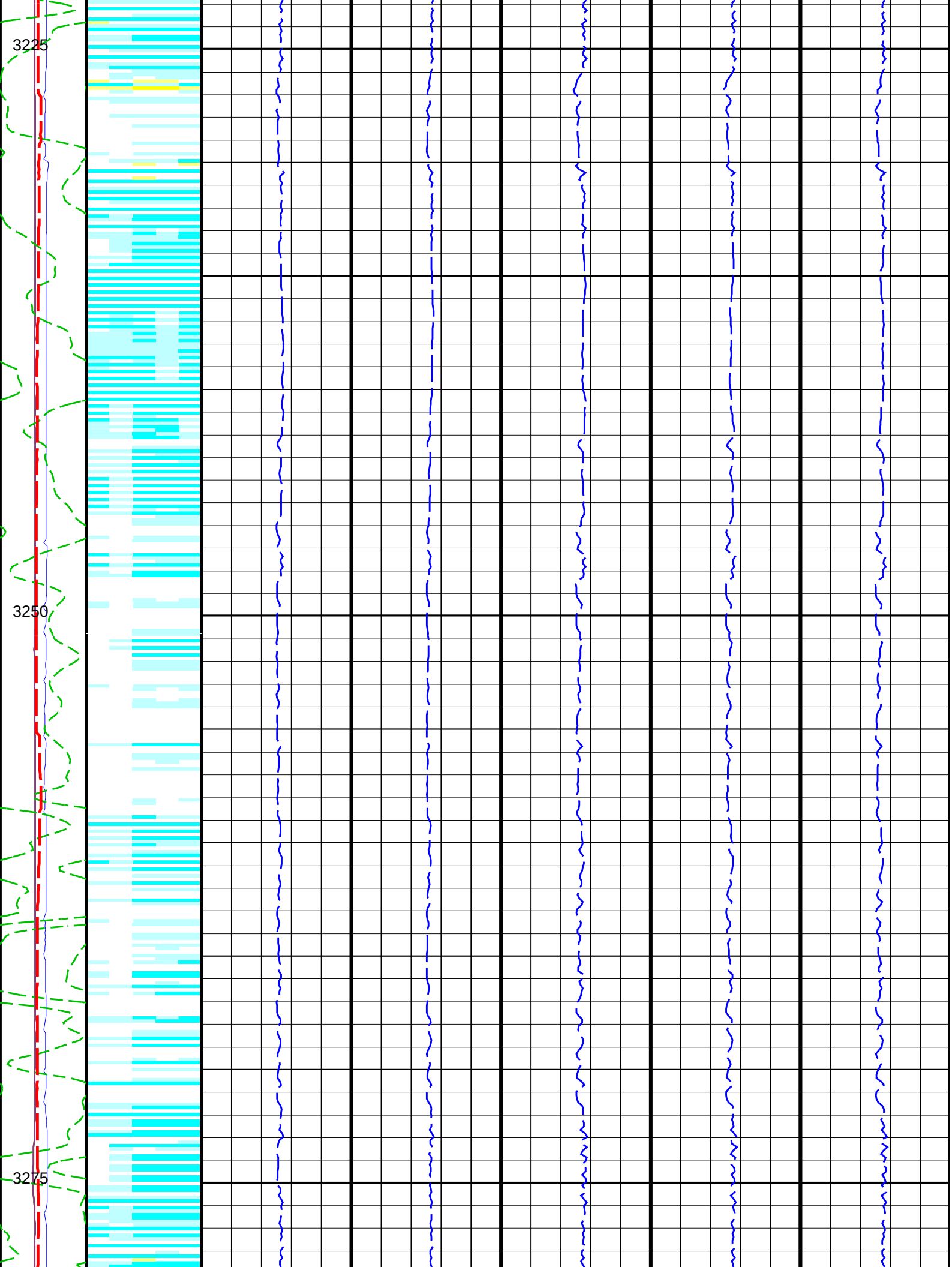
Spinner 2 Rotational Velocity (SPI2_FSI)
5 (RPS) 5

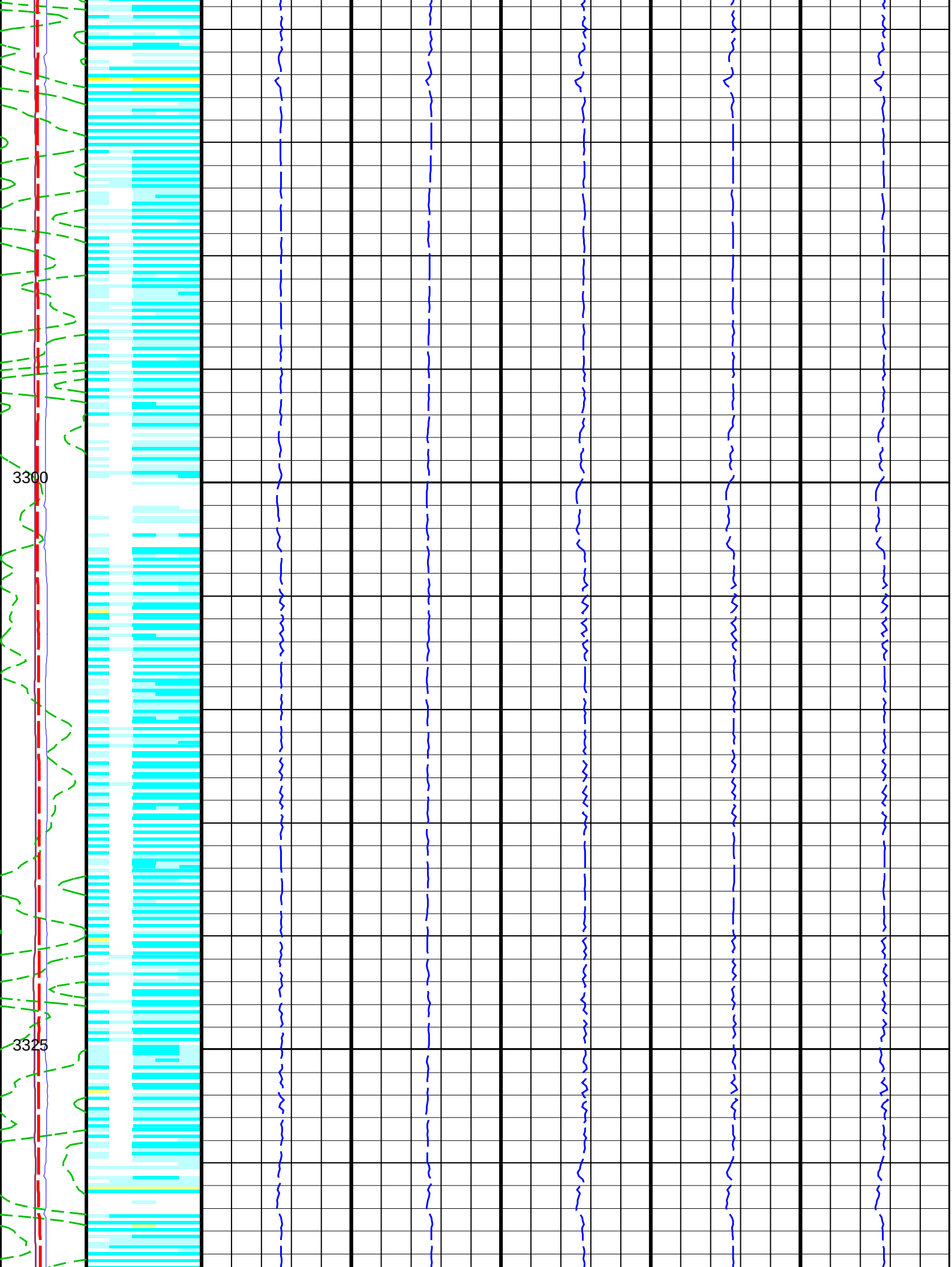
Spinner 3 Rotational Velocity (SPI3_FSI)
5 (RPS) 5

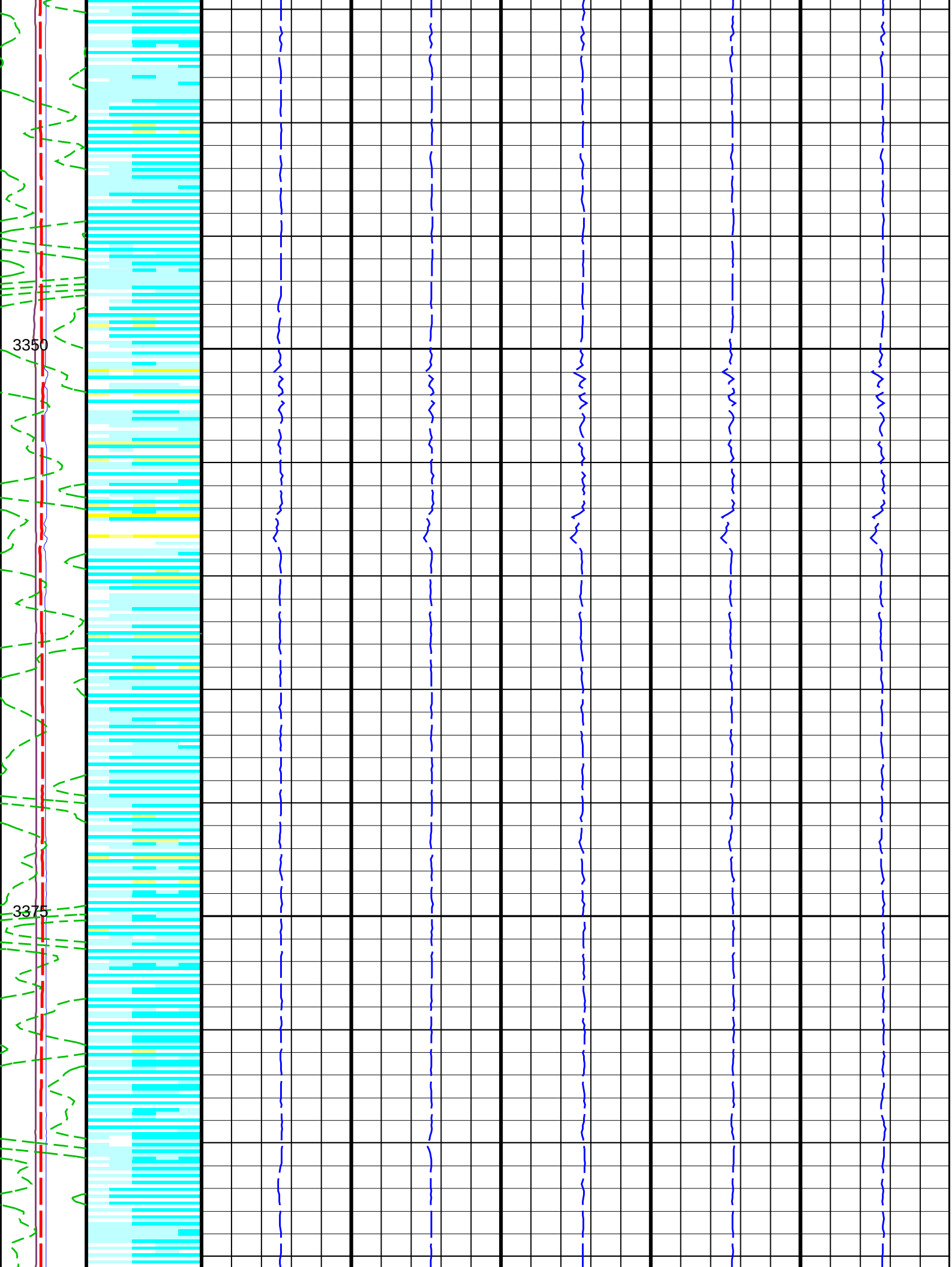
Spinner 4 Rotational Velocity (SPI4_FSI)
5 (RPS) 5

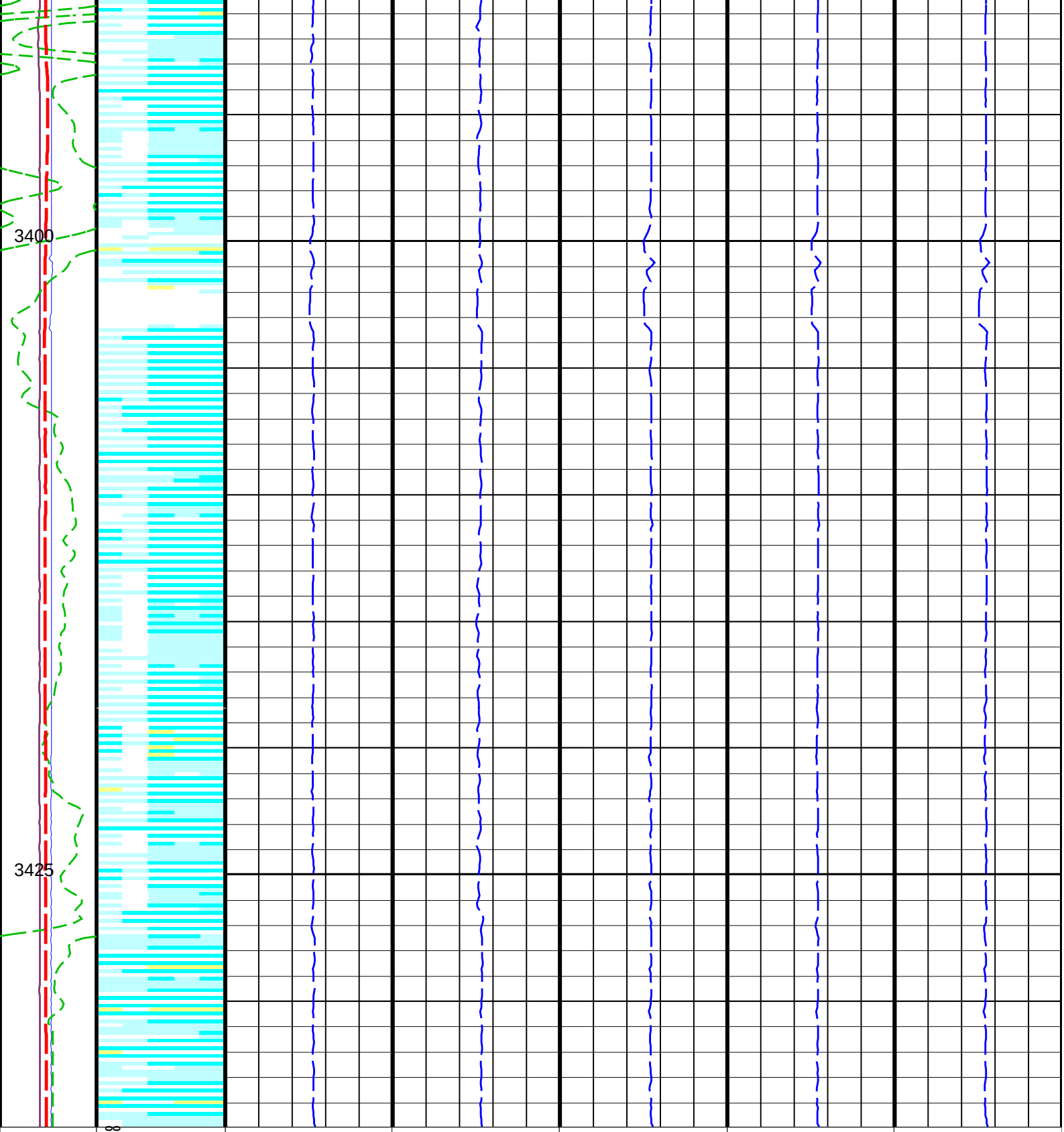

0
150
(medium fluid speed) Image (RAW_ SPSIMAGE_ 16C) (RPS)
−5
(RPS)
5
3125
3150


3175
File Splice
3200


3225
3250
3275


3300
3325


3350
3375



Gamma Ray (GR) (GAPI) 0 – 150	RPS – Rotational Velocity (medium fluid speed) Image (RAW_SPSIMAGE_16C) (RPS)	Spinner 0 Rotational Velocity (SPI0_FSI) −5 (RPS) 5	Spinner 1 Rotational Velocity (SPI1_FSI) −5 (RPS) 5	Spinner 2 Rotational Velocity (SPI2_FSI) −5 (RPS) 5	Spinner 3 Rotational Velocity (SPI3_FSI) −5 (RPS) 5	Spinner 4 Rotational Velocity (SPI4_FSI) −5 (RPS) 5
Calibrated Caliper						

(CALI_FSI) 0 (IN) 10	
Calibrated Casing ID (CID_FSI) 0 (IN) 10	
FSIT RB (RB_180_FSI) (DEG) −180 180	
Cable Velocity Memorized (CVEL_FSI) (M/MN) −50 50	

Format: FSI_SPINNER_DL Vertical Scale: 1:200 Graphics File Created: 12−Aug−2009 10:19

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Parameters

DLIS Name	Description	Value
System and Miscellaneous		
DO	Depth Offset for Playback	0.0 M
PP	Playback Processing	NORMAL

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19

Schlumberger

Static down pass − PSP
Interval 3120m − 3430m MDKB

MAXIS Field Log

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19	3434.9 M	3115.4 M

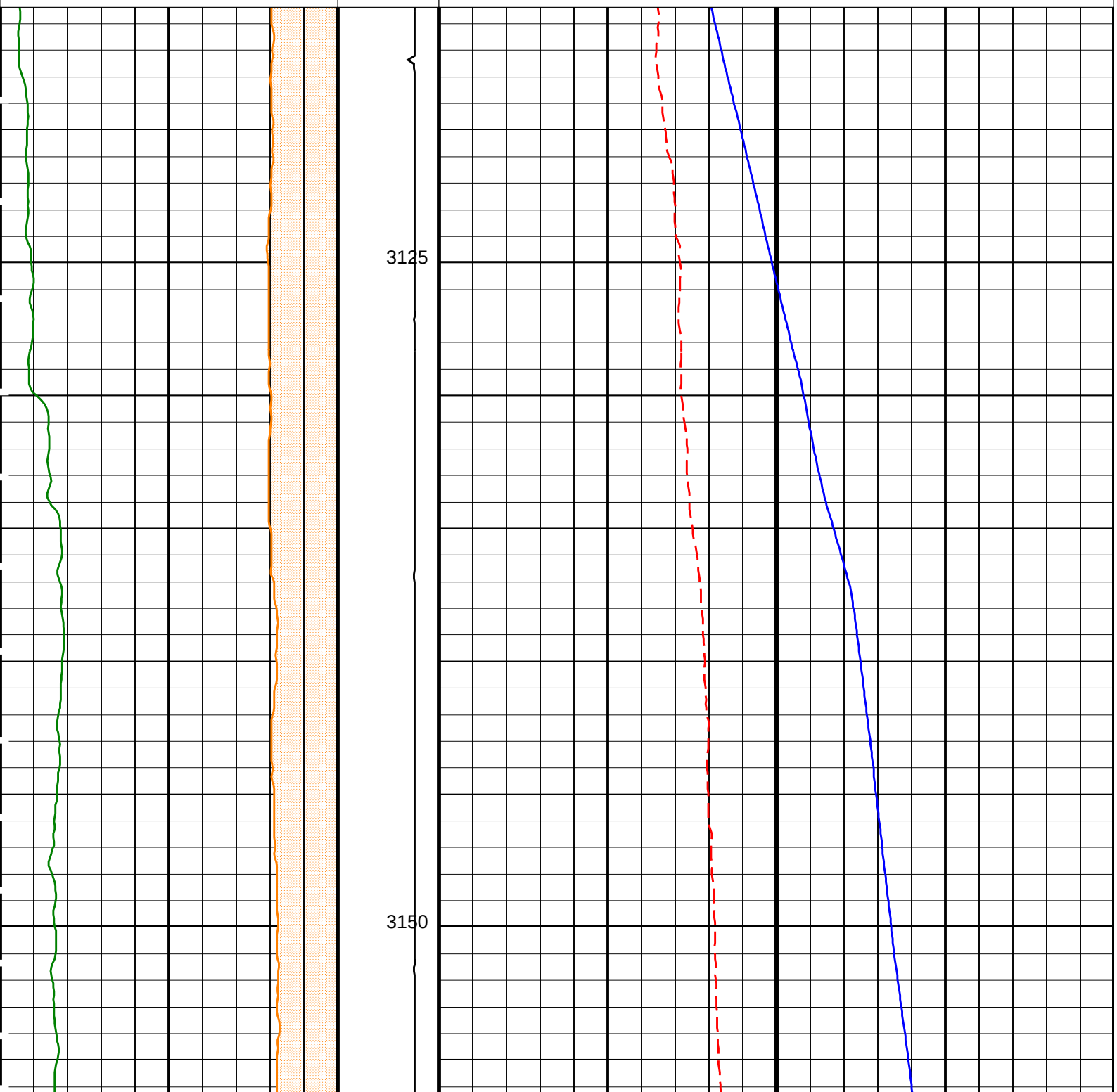
OP System Version: 17C0−154

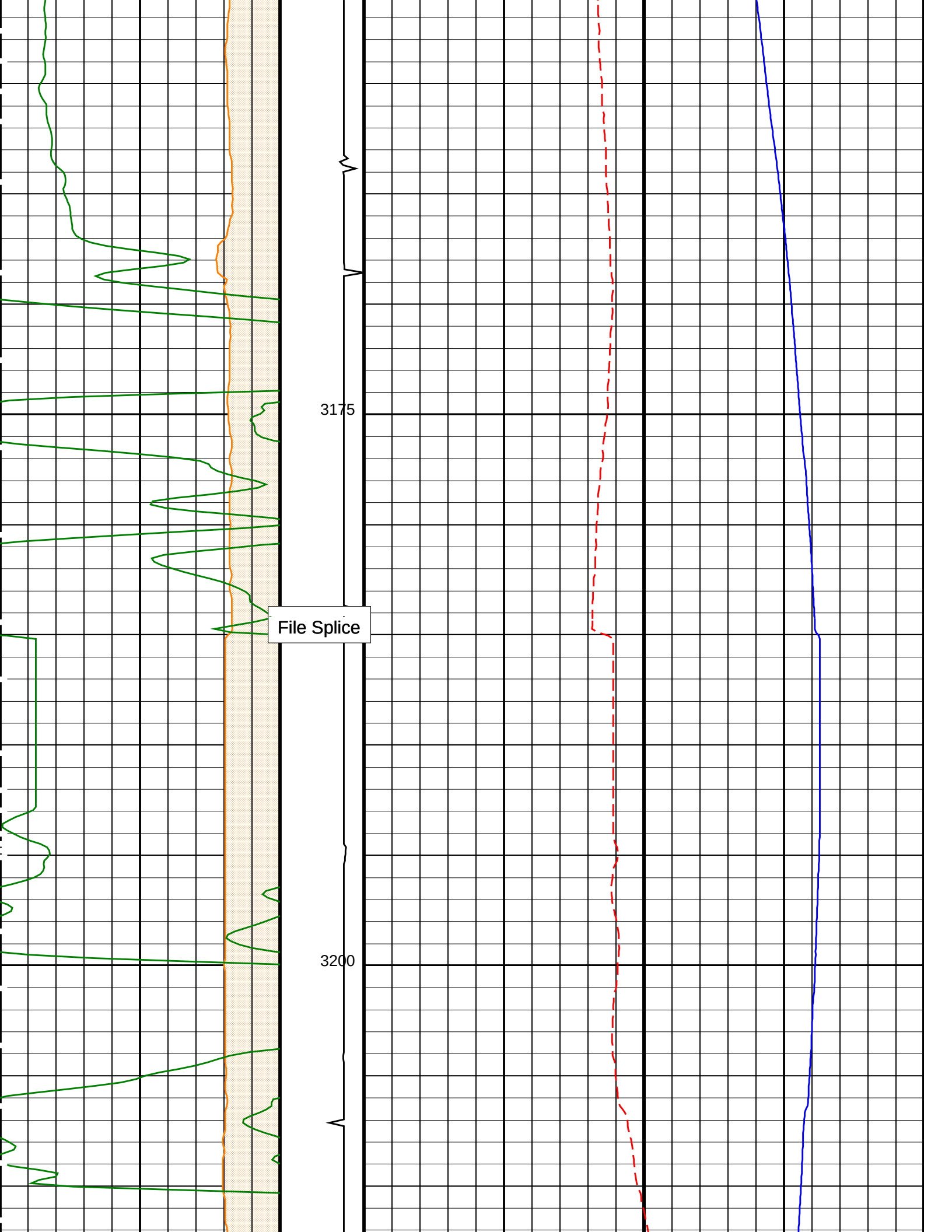
FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

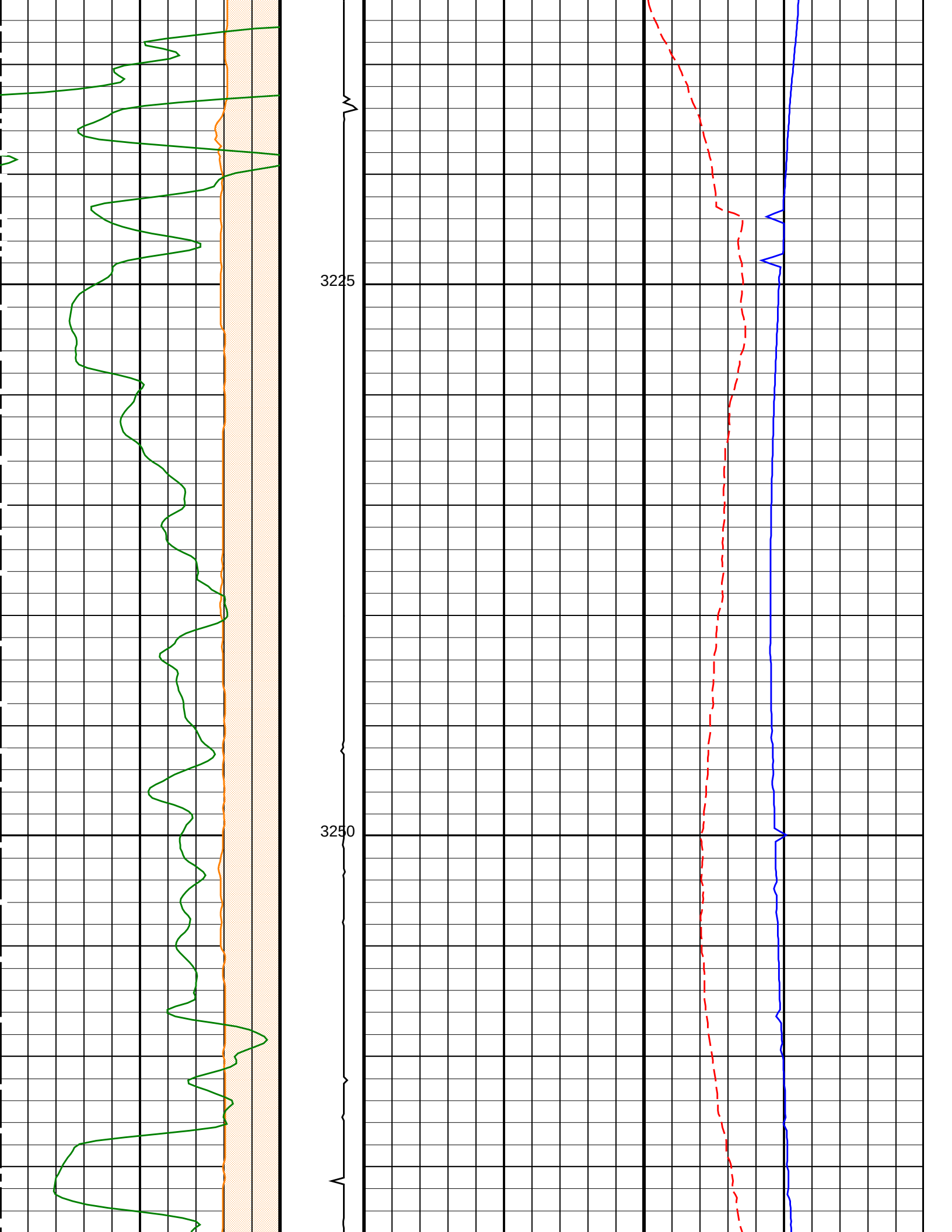
PIP SUMMARY

Time Mark Every 60 S

Gamma Ray (GR)	Perfo Zone From PERFO_CURVE to D3T	Well Pressure (WPRE)
0 (GAPI) 600		3100 (PSIA) 3125
Calibrated Caliper (CALI_FSI)	**Discriminated CCL (CCLD)**	**Well Temperature (WTEP)**
0 (IN) 5	3 (V) −1	220 (DEGF) 222




3175
File Splice
3200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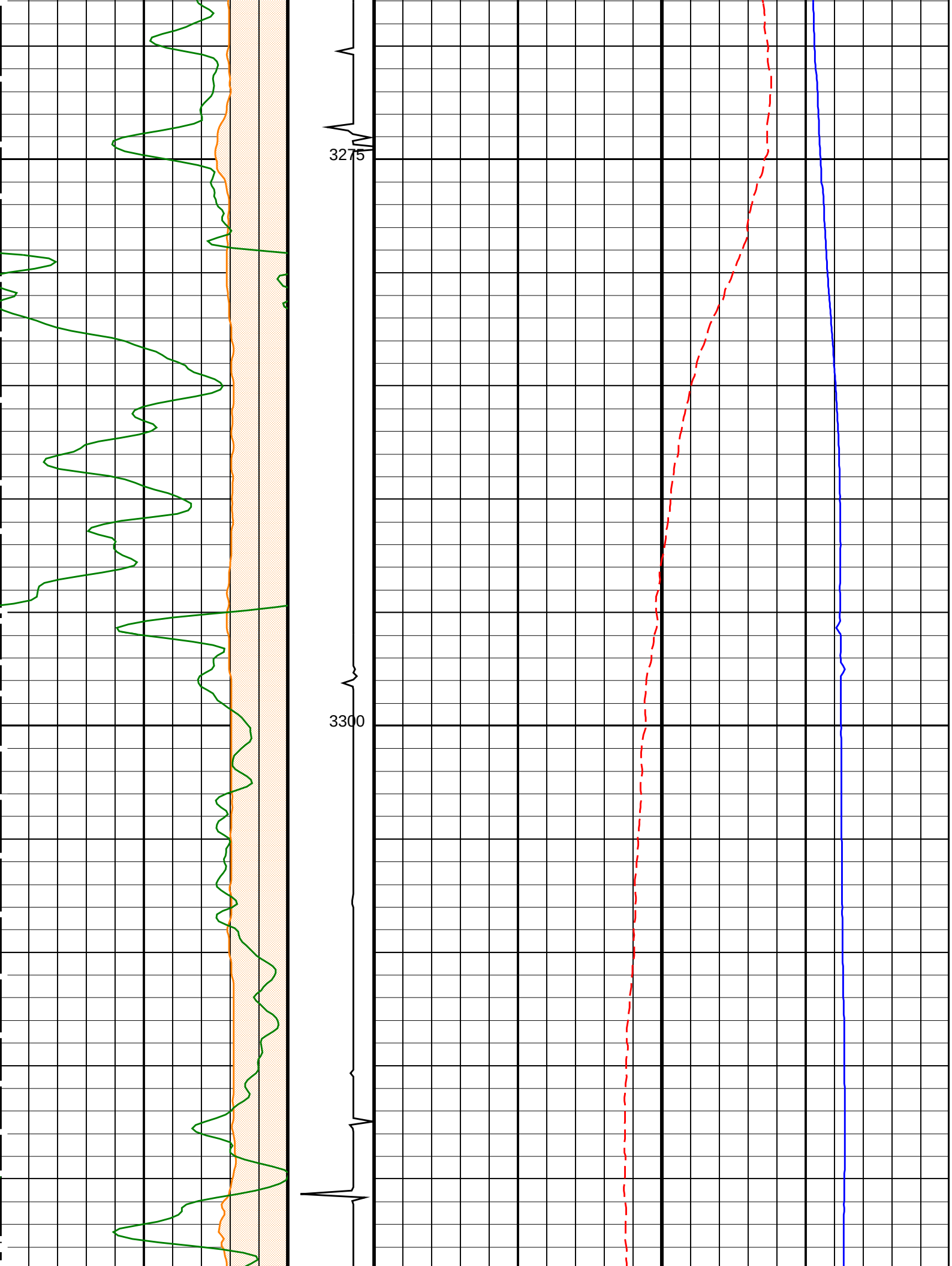
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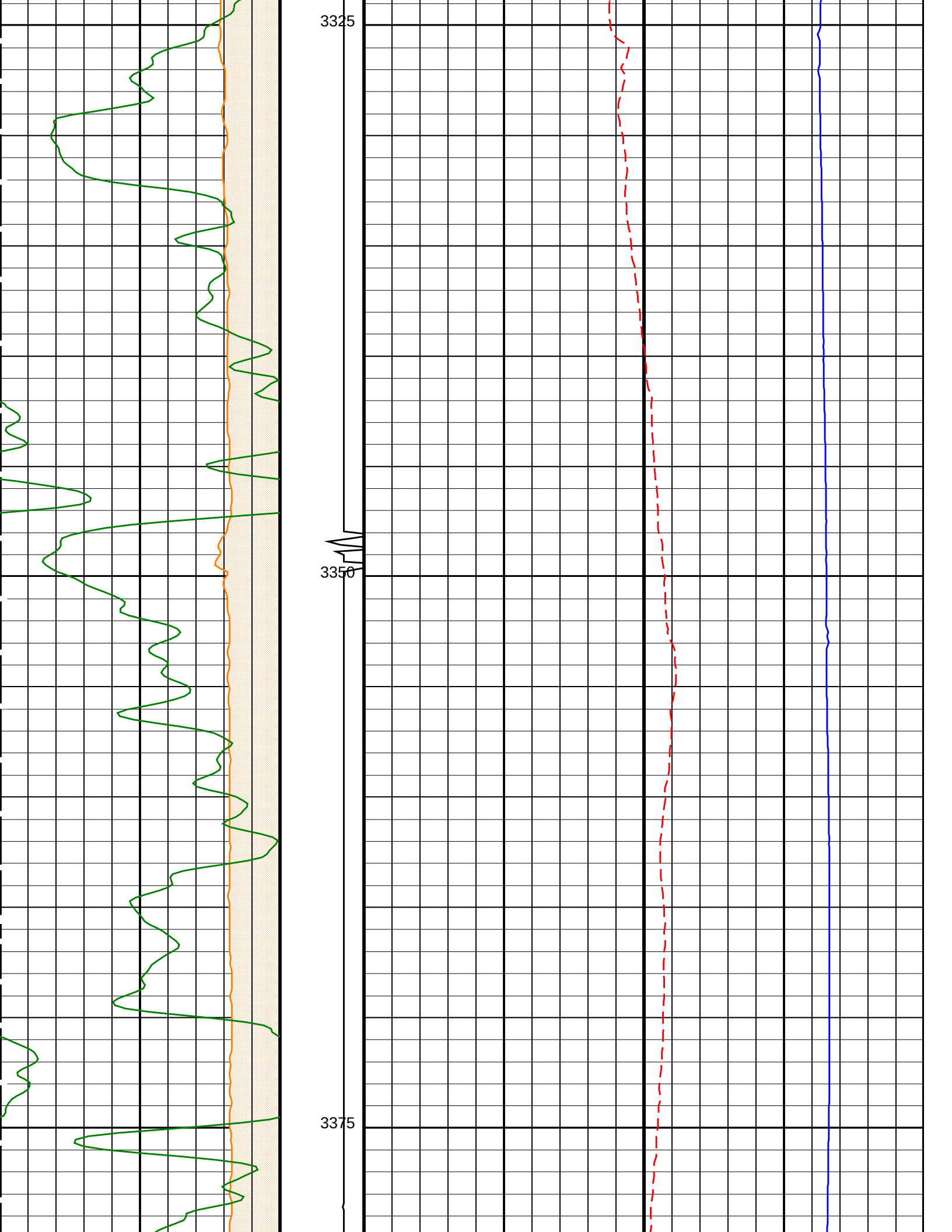
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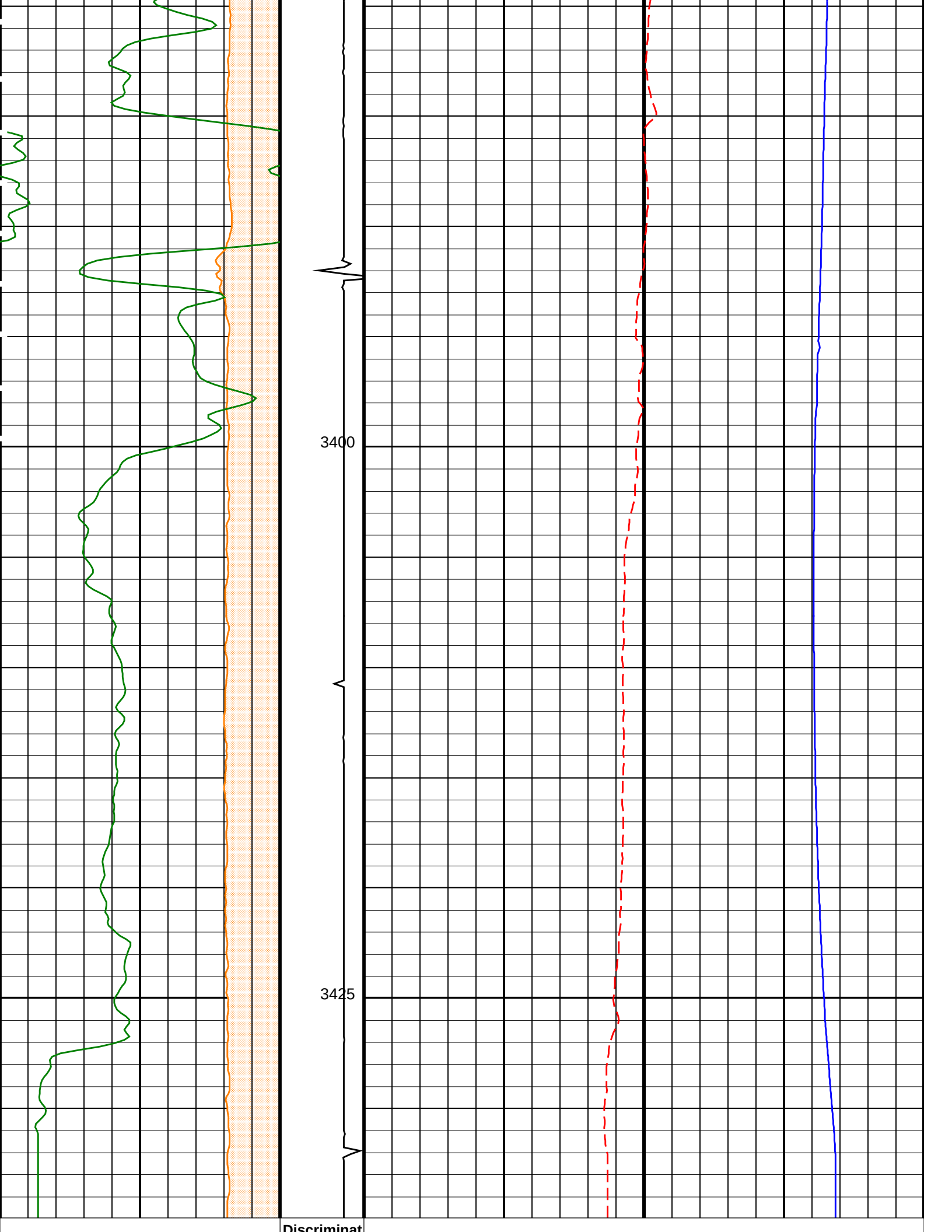
3350
3375


3400
3425
Discriminat

Calibrated Caliper (CALI_FSI)	Discriminated CCL (CCLD)	Well Temperature (WTEP)
0 (IN) 5	3 (V) −1	220 (DEGF) 222
Gamma Ray (GR)	Perfo Zone From PERFO_CURVE to D3T	Well Pressure (WPRE)
0 (GAPI) 600		3100 (PSIA) 3125

PIP SUMMARY

Time Mark Every 60 S

Format: PSP_1 Vertical Scale: 1:200 Graphics File Created: 12−Aug−2009 10:19

OP System Version: 17C0−154

FSIM−AB	17C0−154	FSIT−B	17C0−154
PGMC−B	17C0−154	PBMS−T	17C0−154
PSTS−S2	17C0−154	PSTS−S1	17C0−154
PSTE	17C0−154		

Input DLIS Files

DEFAULT	Flip_Splice_PSP_GMS_901CUP	PRODUCER	12−Aug−2009 10:18	3439.4 M	3094.9 M

Output DLIS Files

DEFAULT	PSP_GMS_PSTS_PSTE_901PUP	FN:7	PRODUCER	12−Aug−2009 10:19

Company: **Esso Australia Ltd**

Schlumberger

Well: **FTA−A23**
Field: **Fortescue**
Rig: **Prod 4 / Crane**
Country: **Australia**

MaxTRAC−FSI
Static & Flowing Survey
14−Aug−2009