

Company: Caerus Piceance LLC

Well: Puckett SWD H2-797

Field: Wildcat

County: Garfield State: Colorado

Reservoir Saturation Tool

Sigma

County:	Garfield			
Field:	Wildcat			
Location:	Sec. 2, T7S, R97W			
Well:	Puckett SWD H2-797			
Company:	Caerus Piceance LLC			
Location:		Sec. 2, T7S, R97W SHL: 2229' FNL x 625' FEL	Elev.: K.B. 8509.00 ft G.L. 8479.00 ft D.F. 8508.00 ft	
Permanent Datum:		Ground Level	Elev.: 8479.00 f	
Log Measured From:		Kelly Bushing	30.00 ft	above Perm.Datum
Drilling Measured From:		Kelly Bushing		
API Serial No.		Section: 2	Township: 7S	Range: 97W
05-045-22631-00				
Logging Date	21-Jul-2015			

Run Number	Run 1		
Depth Driller	6300.00 ft		
Schlumberger Depth	6300.00 ft		
Bottom Log Interval	6249.00 ft		
Top Log Interval	500.00 ft		
Casing Fluid Type	3% KCl		
Salinity			
Density	8.7 lbm/gal		
Fluid Level	0.00 ft		
BIT/CASING/TUBING STRING			
Bit Size	8.75 in		
From	2493.00 ft		
To	6300.00 ft		
Casing/Tubing Size	5.5 in		
Weight	17 lbm/ft		
Grade	N80		
From	0.00 ft		
To	6300.00 ft		
Max Recorded Temperatures	168.1 degF		
Logger on Bottom	21-Jul-2015	21:05:00	
Unit Number	9115	Ft. Morgan, CO	
Recorded By	Aleksei Bekhterev		
Witnessed By	Natalie Naeve		

Disclaimer

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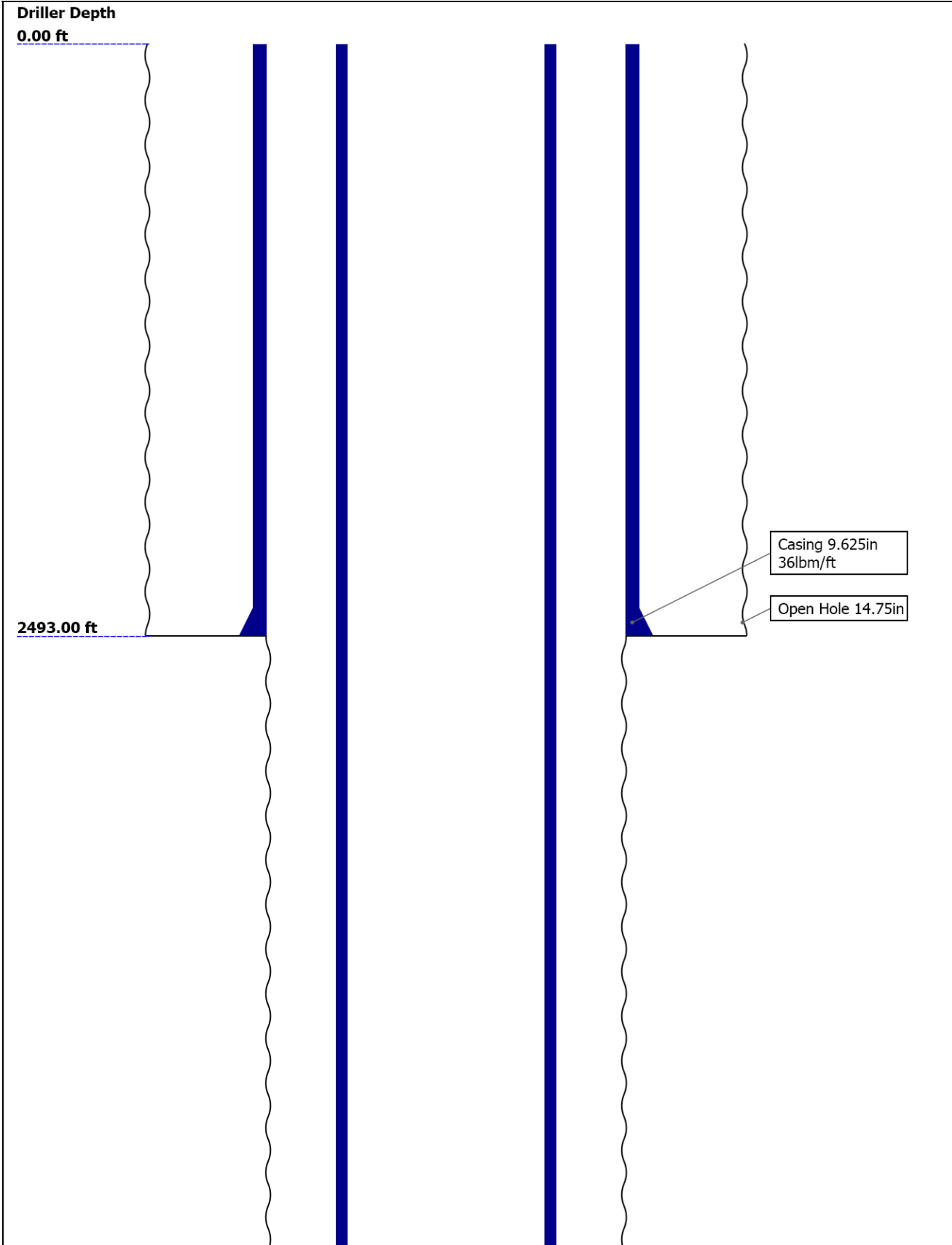
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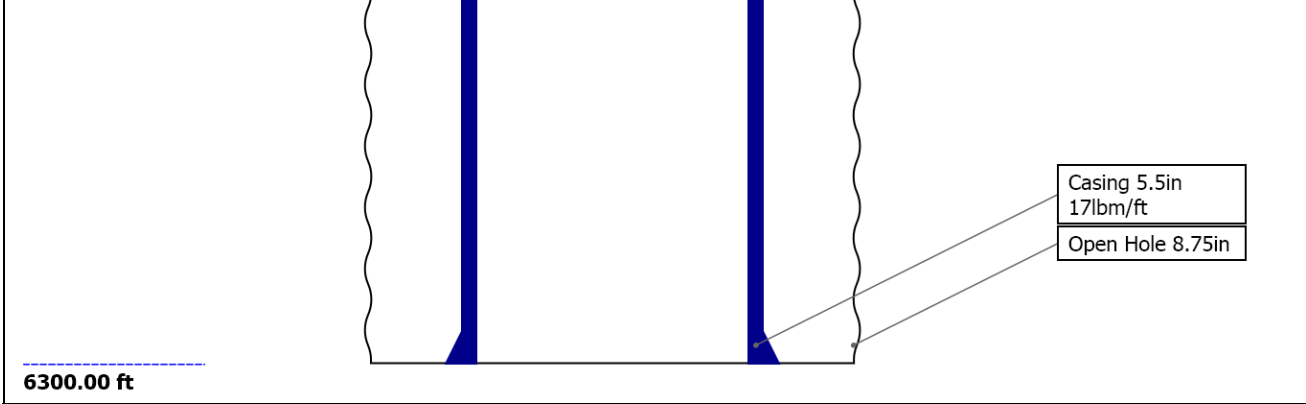
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Well Sketch





Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	14.75	8.75				
Top Driller (ft)	0	2493				
Top Logger (ft)	0	2493				
Bottom Driller (ft)	2493	6300				
Bottom Logger (ft)	2493	6300				
Casing						
Size (in)	9.625	5.5				
Weight (lbm/ft)	36	17				
Inner Diameter (in)	8.921	4.892				
Grade	J55	N80				
Top Driller (ft)	0	0				
Top Logger (ft)	0	0				
Bottom Driller (ft)	2493	6300				
Bottom Logger (ft)	2493	6300				

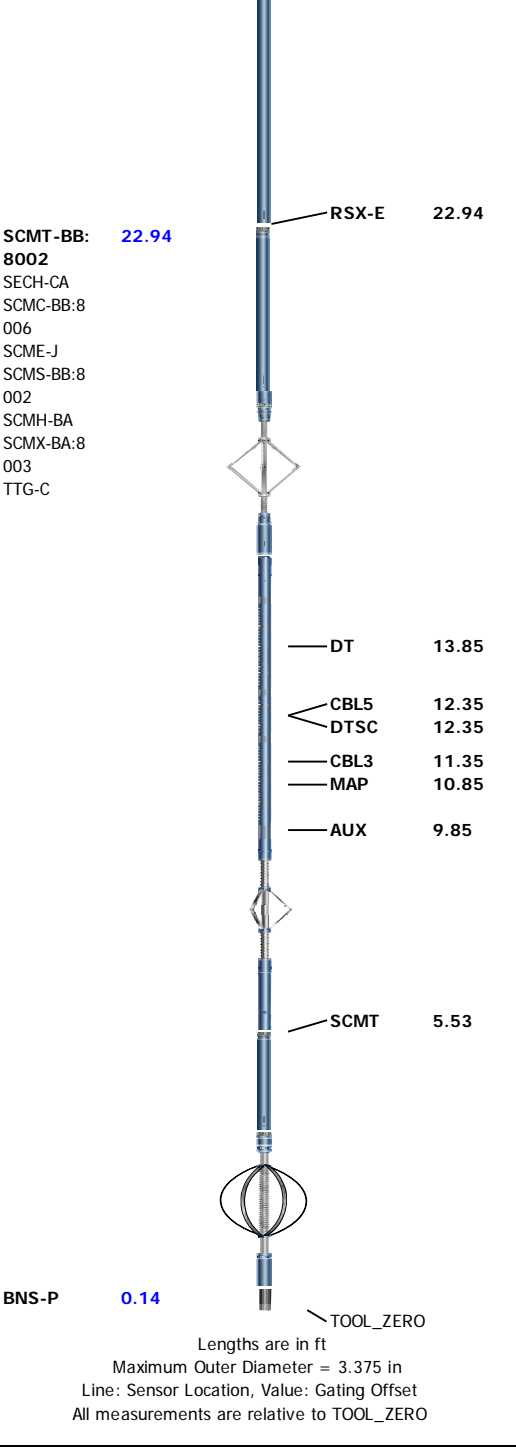
Operational Run Summary

Parameter (unit)	Run 1					
Date Log Started	21-Jul-2015					
Time Log Started	18:47:04					
Date Log Finished	22-Jul-2015					
Time Log Finished	01:04:49					
Top Log Interval (ft)	500.00					
Bottom Log Interval (ft)	6249.00					
Total Depth (ft)	6300.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	8.750					
Logging Unit Number	9115					
Logging Unit Location	Ft. Morgan, CO					
Recorded By	Aleksei Bekhterev					

Borehole Fluids						
Parameter(unit)	Run 1					
Fluid Type	Water					
Fluid Name	3% KCl					
Max Recorded Temperatures (degF)	168.1					
Salinity (ppm)	0					
Density (lbm/gal)	8.7					
Date Logger on Bottom	21-Jul-2015					
Time Logger on Bottom	21:05:00					
Total Solid (%)						
High Gravity Solids (%)						

Run 1: Toolstring	Run 1: Remarks	
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Run 1: Toolstring			Run 1: Remarks	
Equip name	Length	MP name	Offset	Toolstring ran as per tool sketch
LEH-QT	58.3			This is first run in hole
LEH-QT				Main and repeat passes are correlated to downlog as per client's request
AH-63	55.38			RST ran in Sigma mode
AH-79	55.06			Matrix: Sandstone, 2.68 g/cc
PSTP-A:19	54.23	GR	50.53	Tagged float collar at 6249 ft
63		PSTC	50.23	Repeat pass is done with 0 psi
PSC-A		PSTC To ol String	0.00	Main pass is done with 2200 psi
PSTC-A		Bottom		Log stopped at 500 ft as per client's request
PBMS-A:19		Temperature	47.44	Crew: Jay Musgrave, Jake Jump
63		Sapphire	47.33	Thank you for choosing Schlumberger Wireline!
Sapphire 10		Pressure		
kPSI		CCL	46.72	
		PBMS	45.97	
RST-C:282	45.97			
RSCH-A				
RSC-E:381				
RSS-A:253				
MNTR-F:1				
RSXH-A:27				
5				
RSX-E:282				
		RSC-E	39.61	
		Far	36.85	
		Near	36.35	



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

Logging Cable

Type	7-46A-XS		
Serial Number			
Length	21000.00 ft		
Conveyance Type	Wireline		
Rig Type	Workover		

Run 1:Depth Control Parameters	Depth Control Remarks
Log Sequence Rig Up Length At Surface Rig Up Length At Bottom Rig Up Length Correction Stretch Correction Tool Zero Check At Surface	First Log In the Well All Schlumberger depth policies followed IDW used as primary depth device Z-chart used as secondary depth reference

Run 1

Software Version	
Acquisition System	Version
Maxwell	5.1.33858.3100
Application Patch	Maxwell_NPD-PNX-2014-SP1_5.1.43154

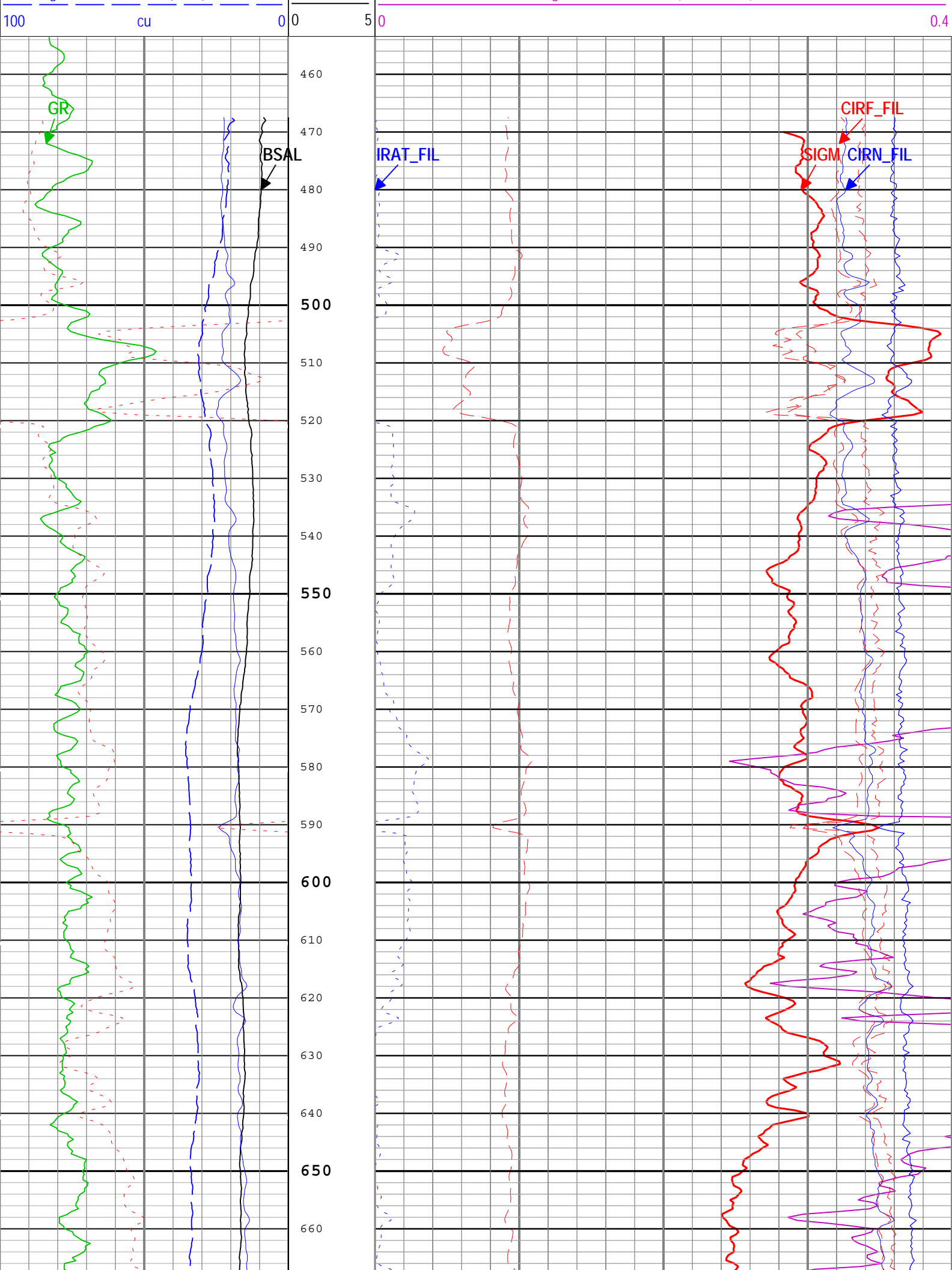
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Main[3]:Up	Up	503.53 ft	6255.49 ft	21-Jul-2015 9:45:48 PM	22-Jul-2015 1:04:12 AM	ON	3.53 ft	Yes

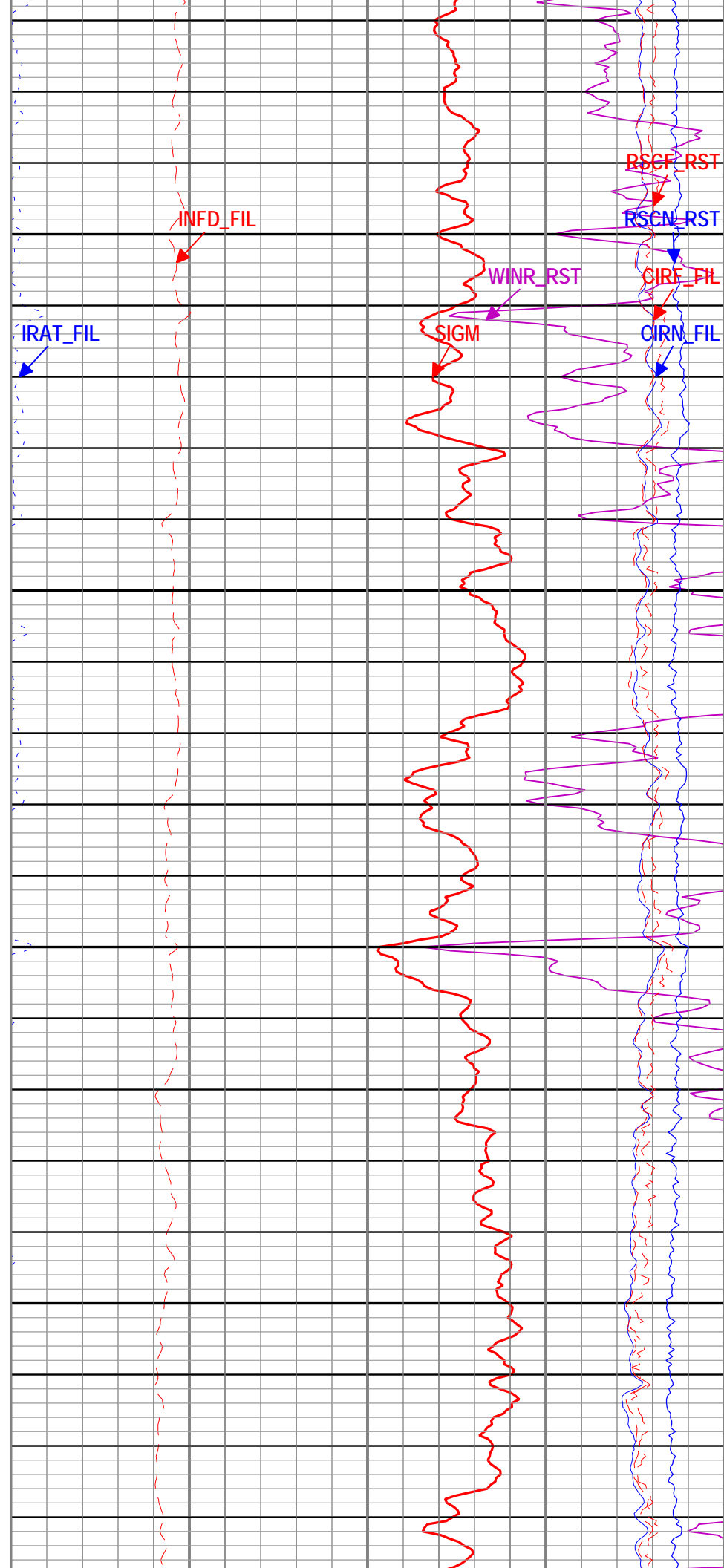
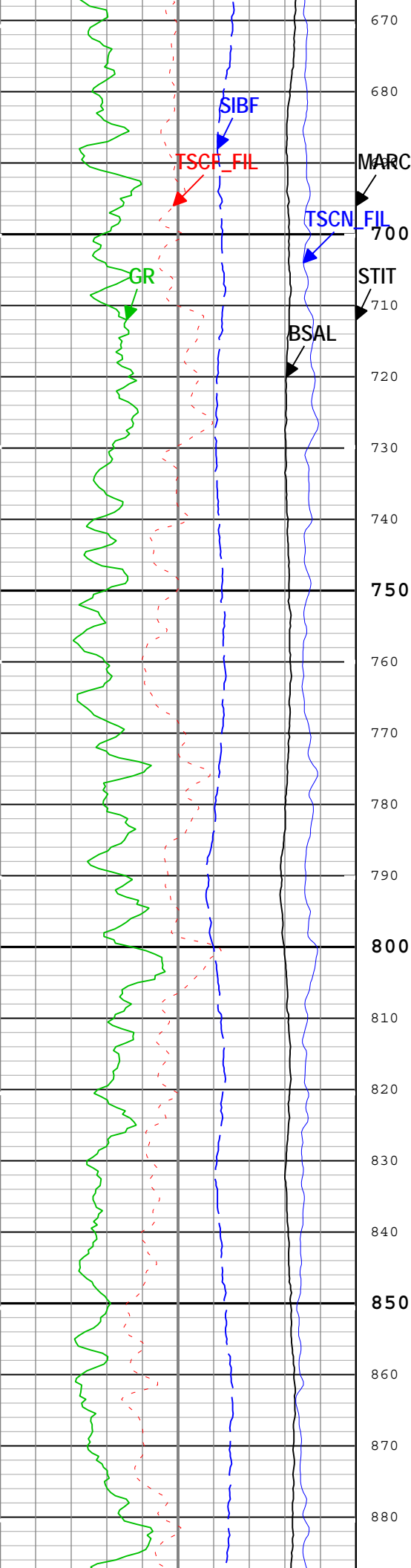
All depths are referenced to toolstring zero

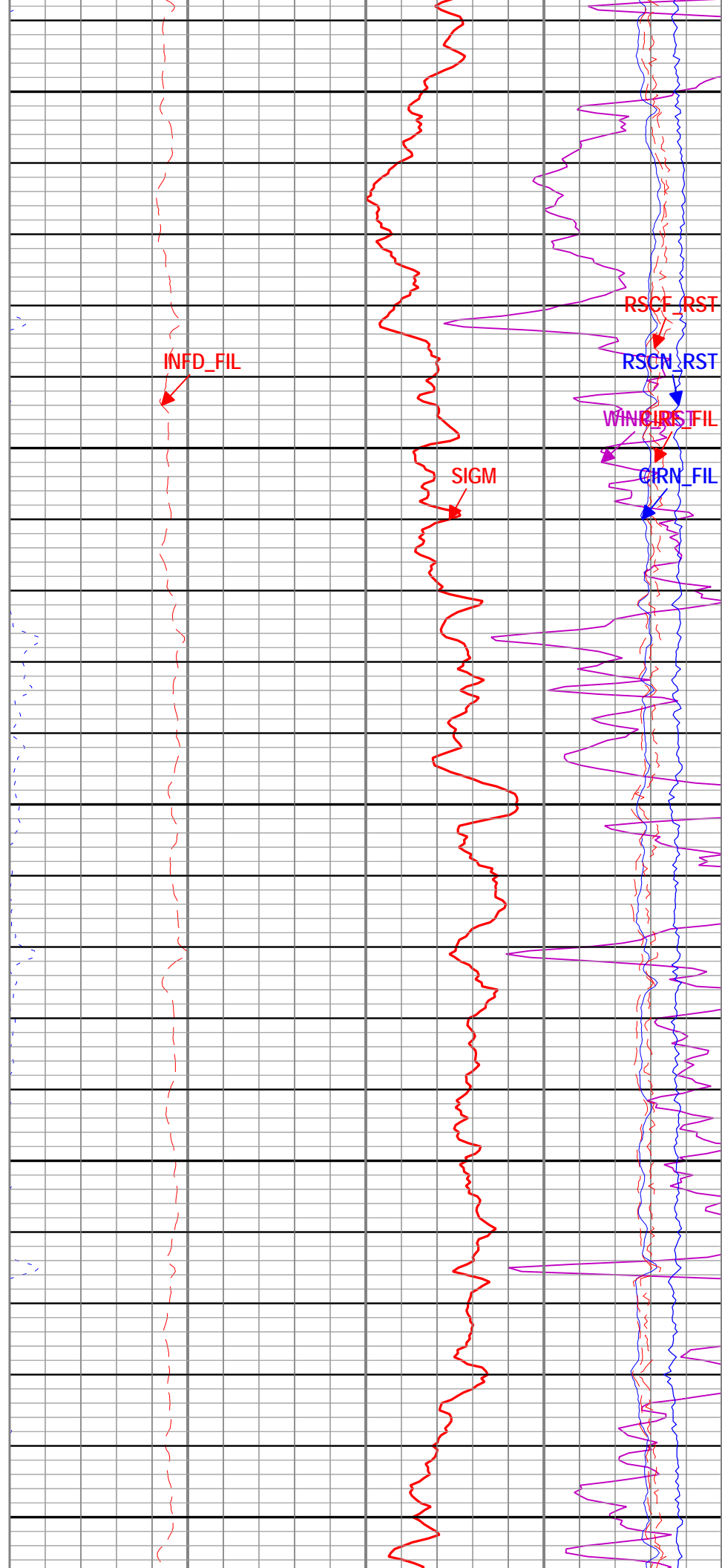
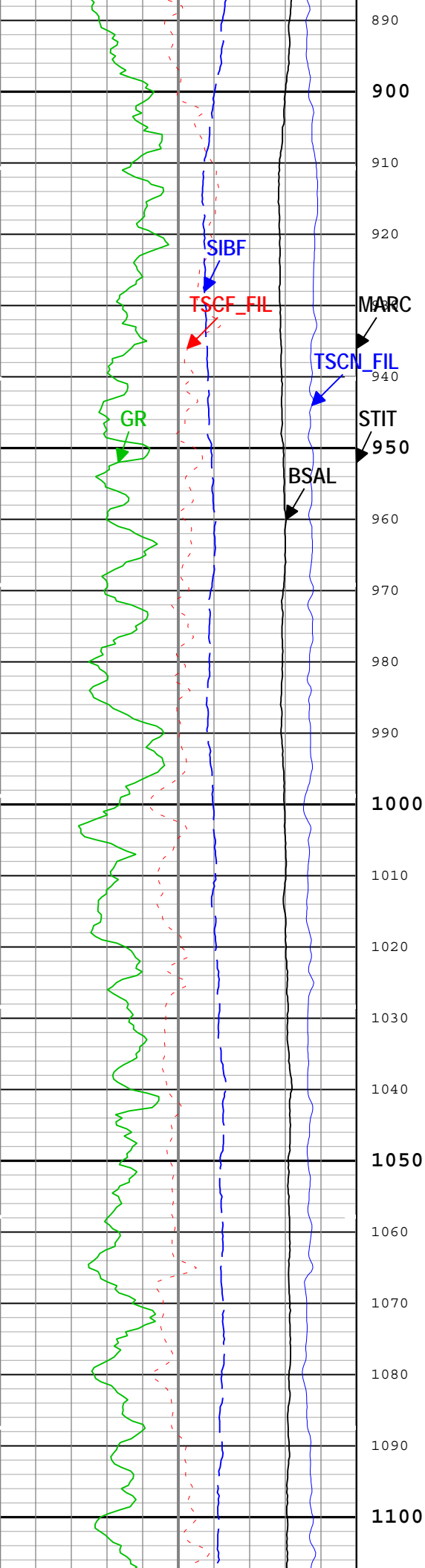
Log	Company:Caerus Piceance LLC Well:Puckett SWD H2-797 Run 1: Main[3]:Up:S004
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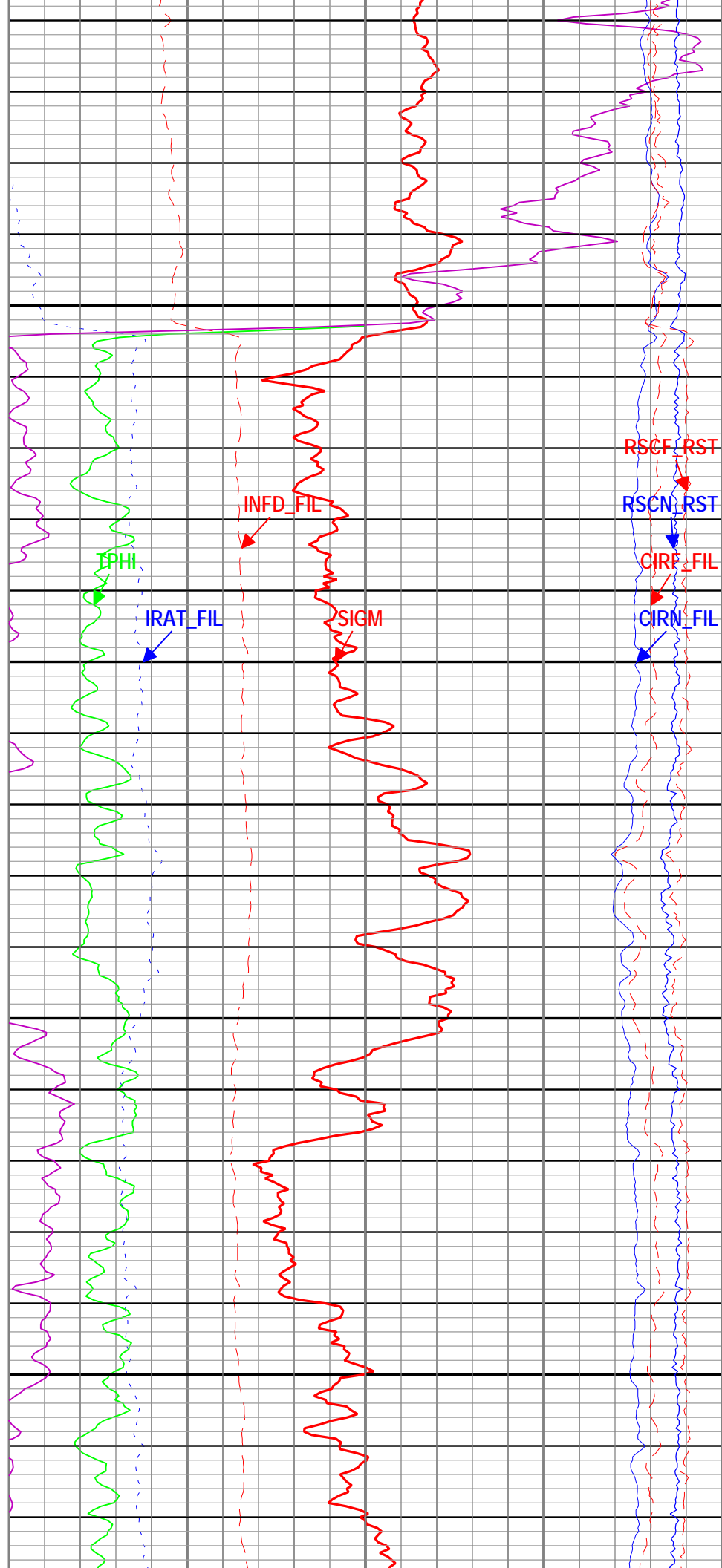
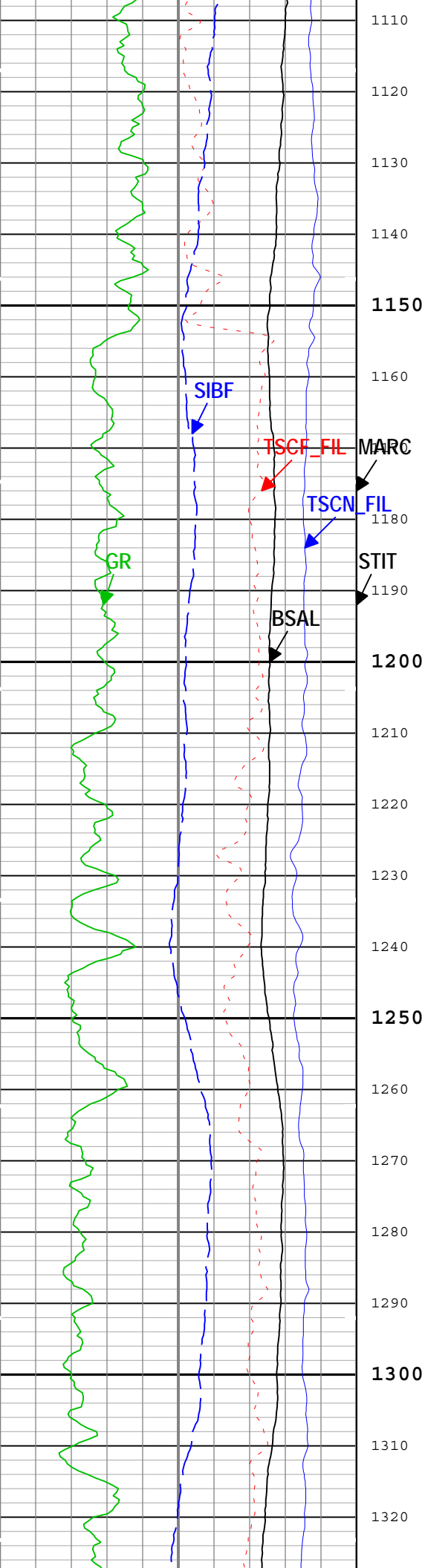
Description: RST SIGMA Answer Format: Log (RST SIGMA Answer) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 22-Jul-2015 01:19:52

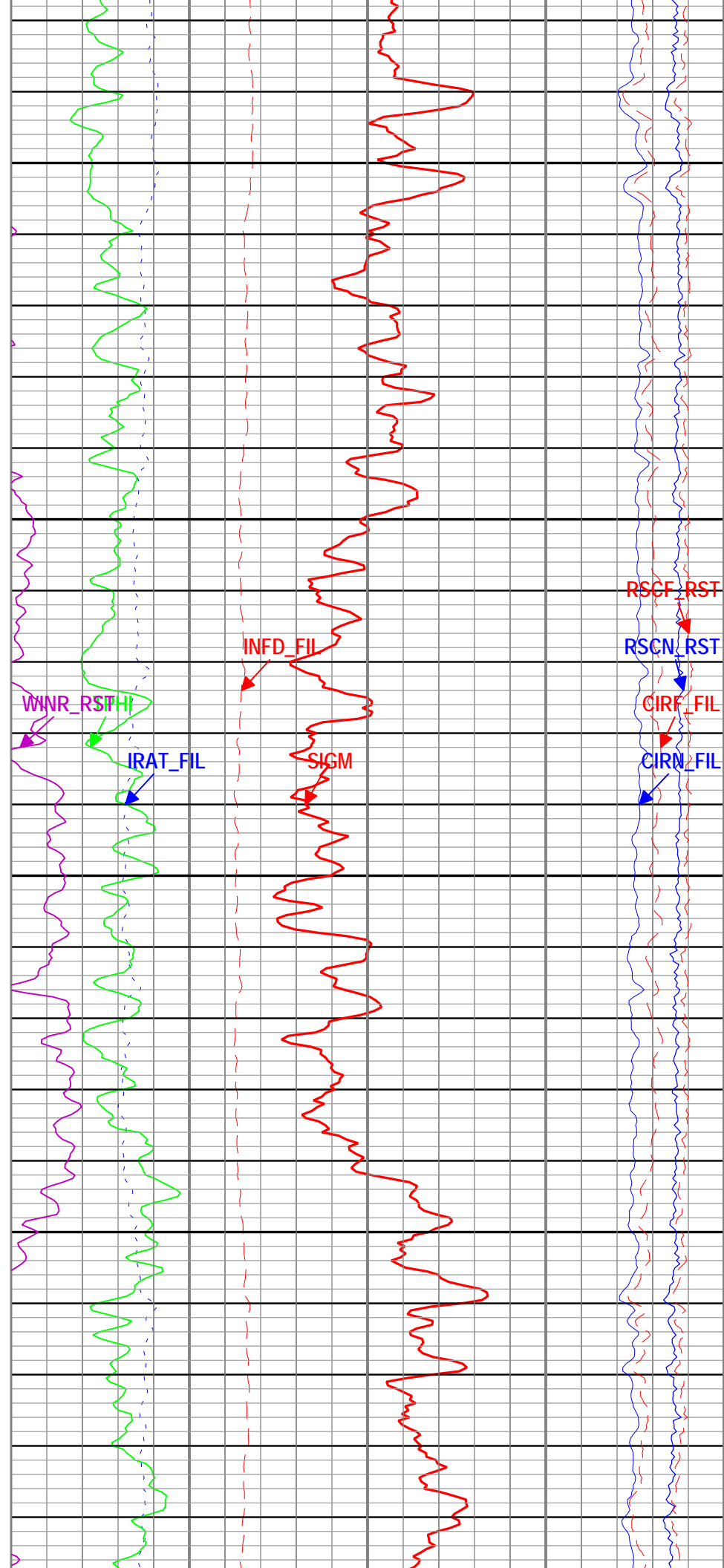
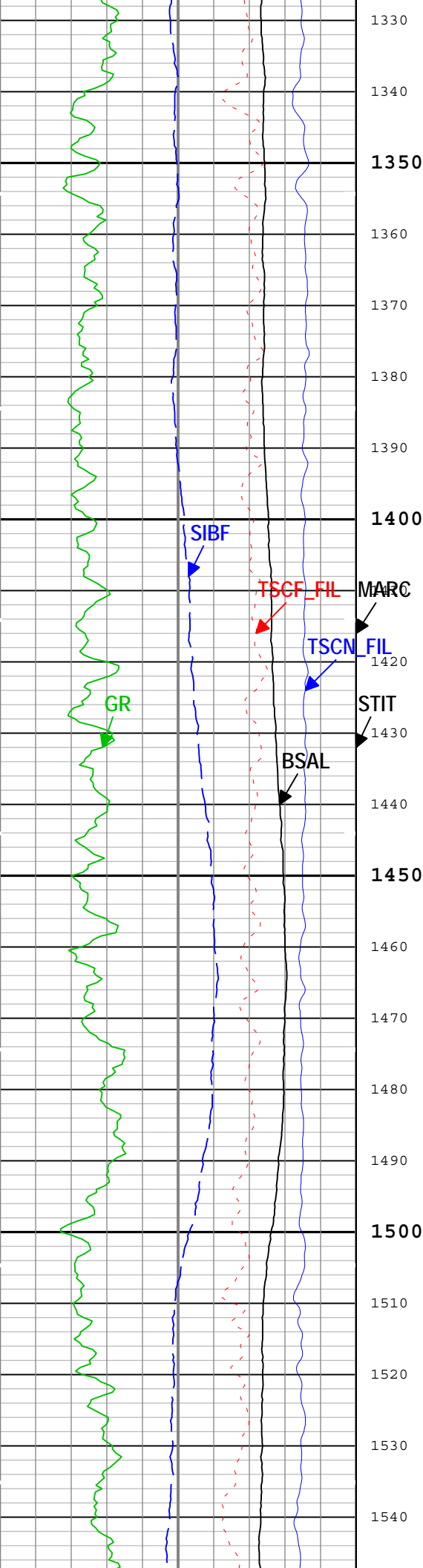
TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)			TIME_1900 - Time Marked every 60.00 (s)		
IHV - Integrated Hole Volume every 10.00 (ft3)			IHV - Integrated Hole Volume every 100.00 (ft3)		
ICV - Integrated Cement Volume every 10.00 (ft3)			ICV - Integrated Cement Volume every 100.00 (ft3)		
Stuck Tool Indicator, Total (STIT)			Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C		
0 ft 50			2.5 0		
Borehole Salinity (BSAL) RST-C			Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C		
450 ppk -50			5 0		
Gamma Ray (GR) PSTP-A			Inelastic Ratio Filtered (IRAT_FIL) RST-C		
0 gAPI 150			0.75 0		
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C			Thermal Decay Porosity (TPHI) RST-C		
30000 1/s 0			0.6 ft3/ft3 0		
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C			Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C		
12000 1/s 0			10000 1/s 0		
Sigma Borehole Fluid (SIBF) RST-C			Far Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C		
			45 0		
			Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C		
			0 45 0		
			Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C		
			60 cu 0		
			Weighted Inelastic Ratio (WINR_RST) RST-C		

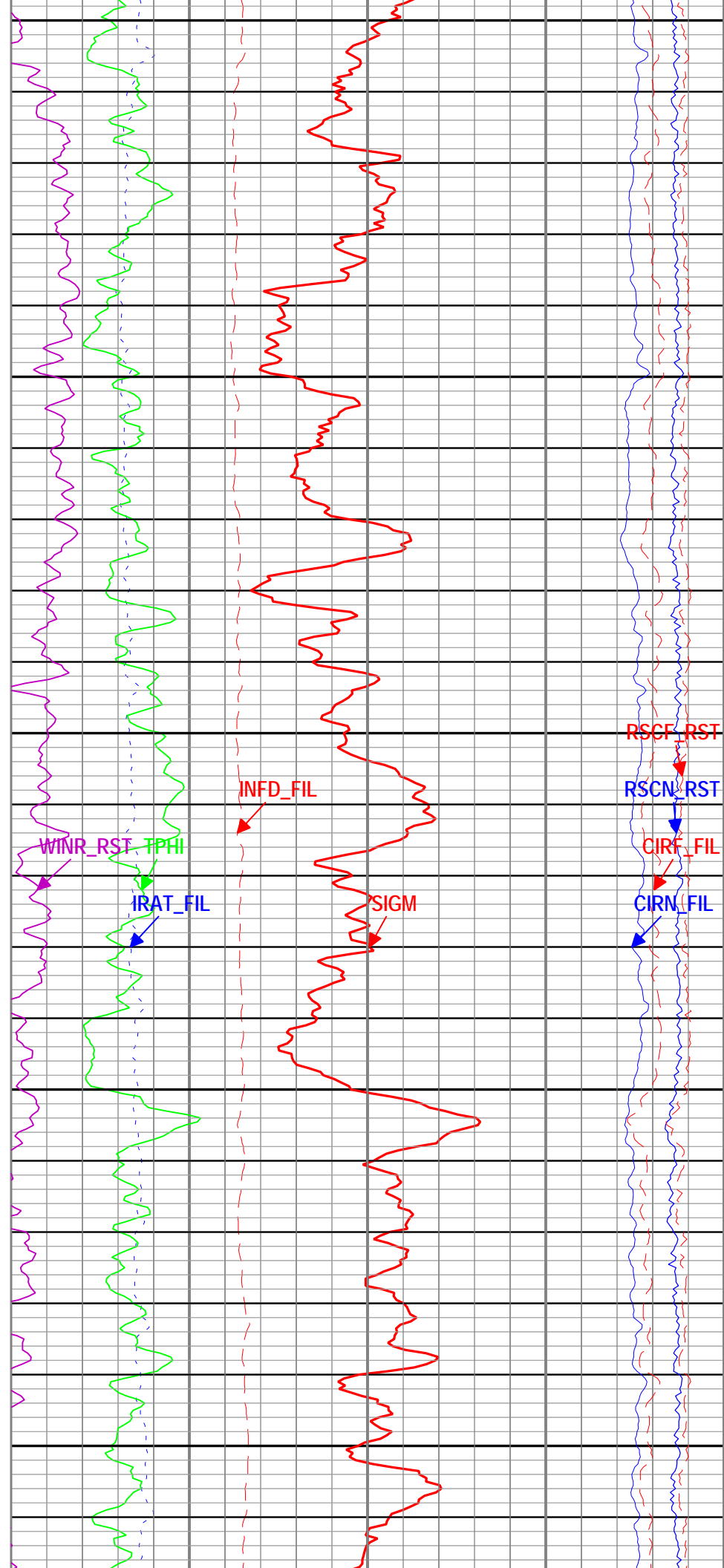
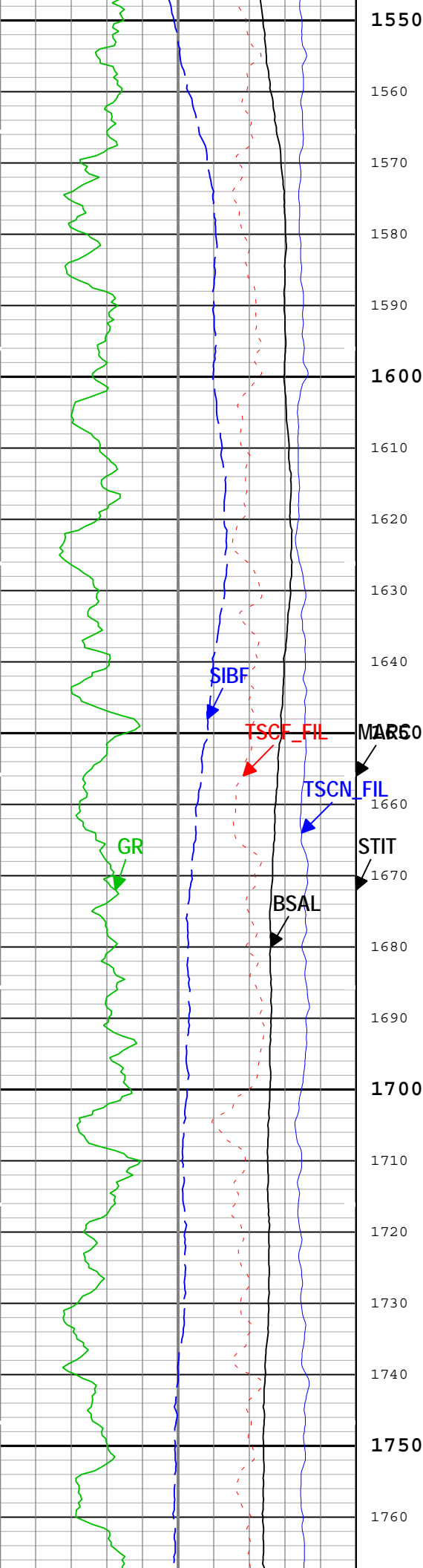


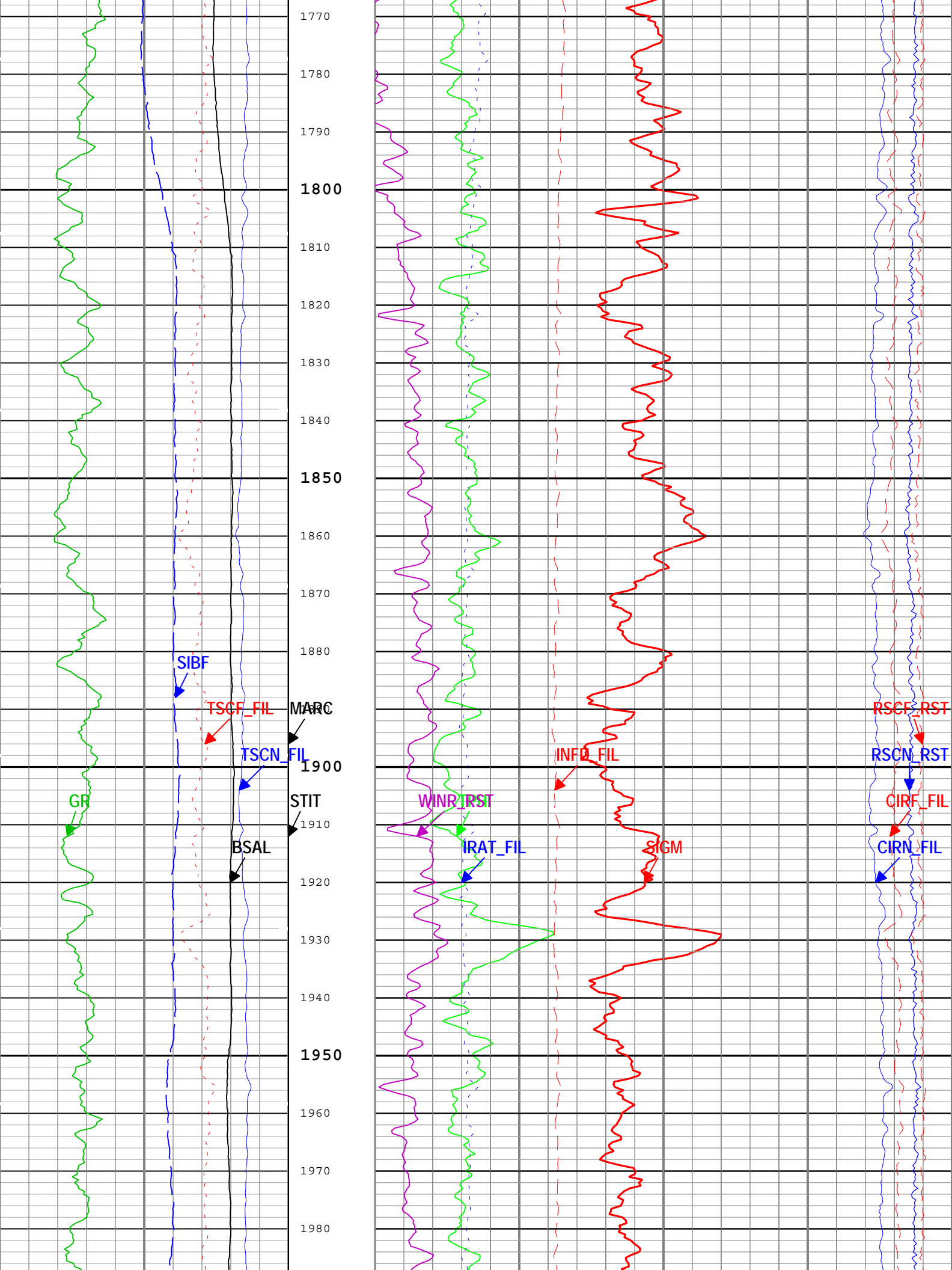


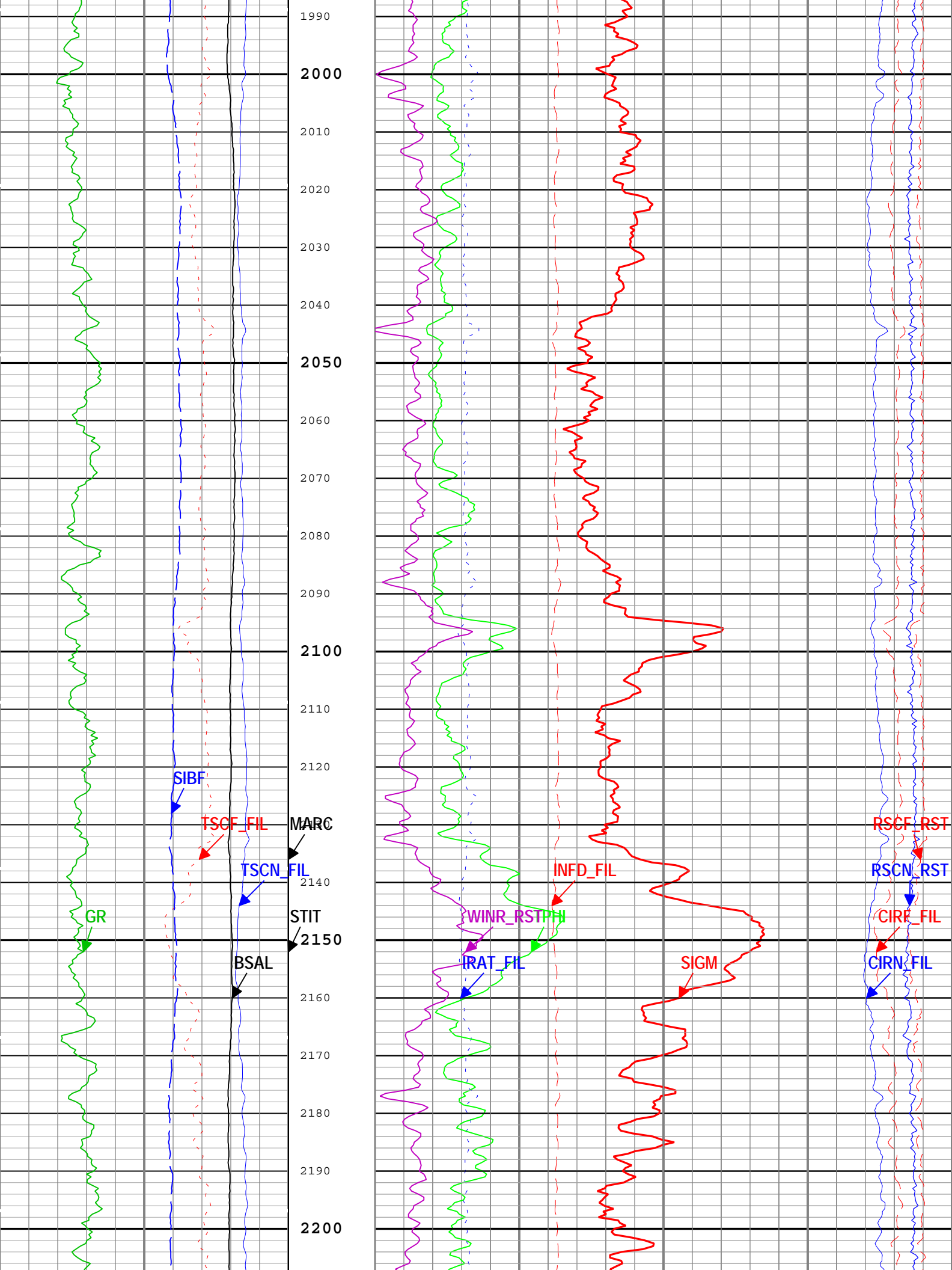


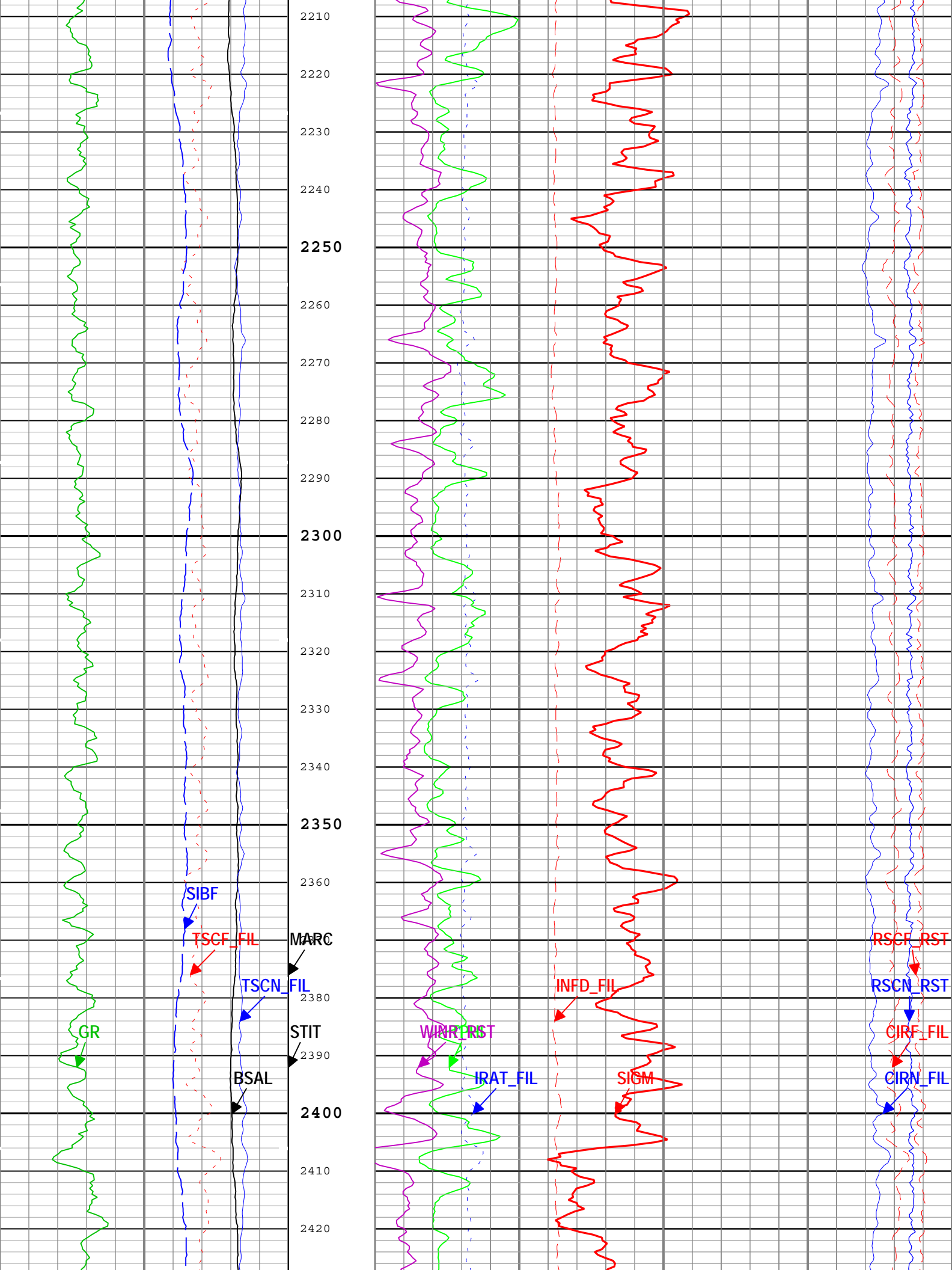


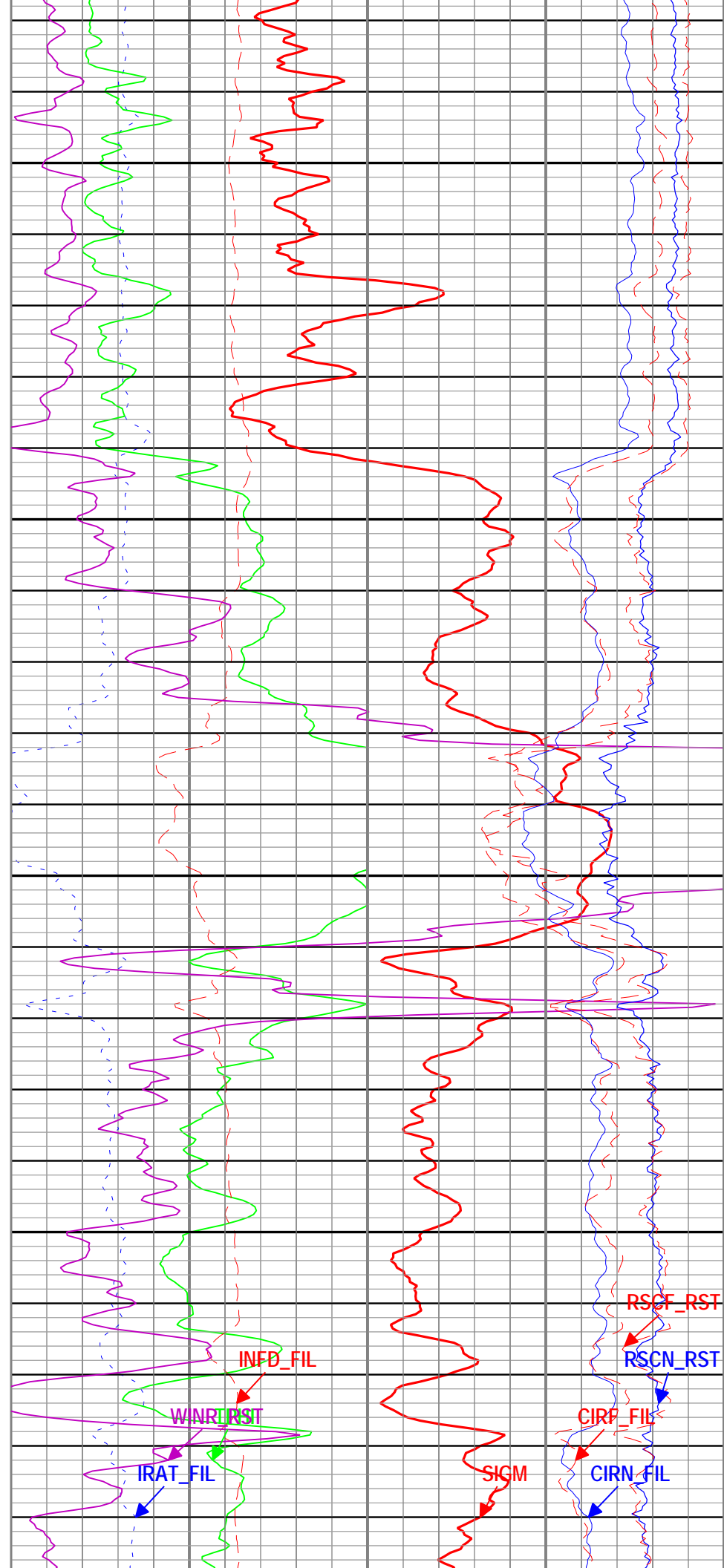
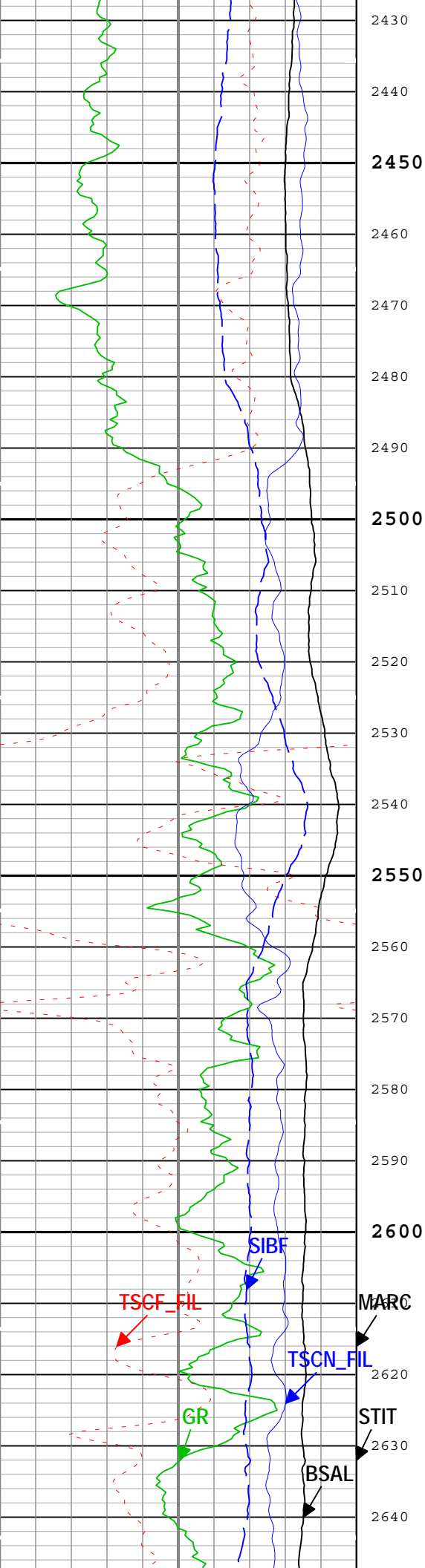


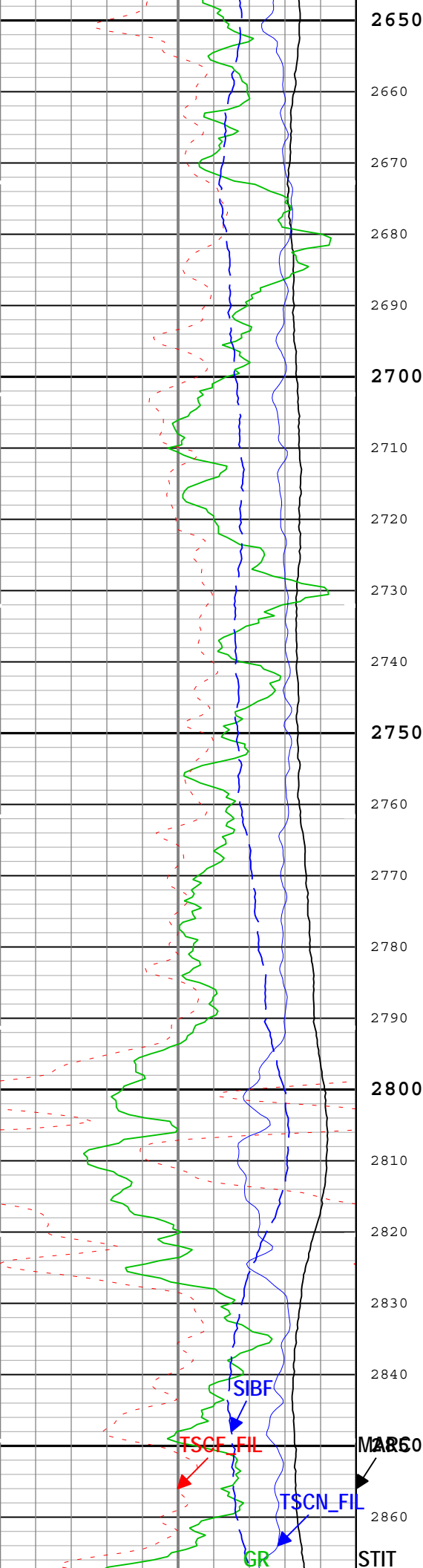




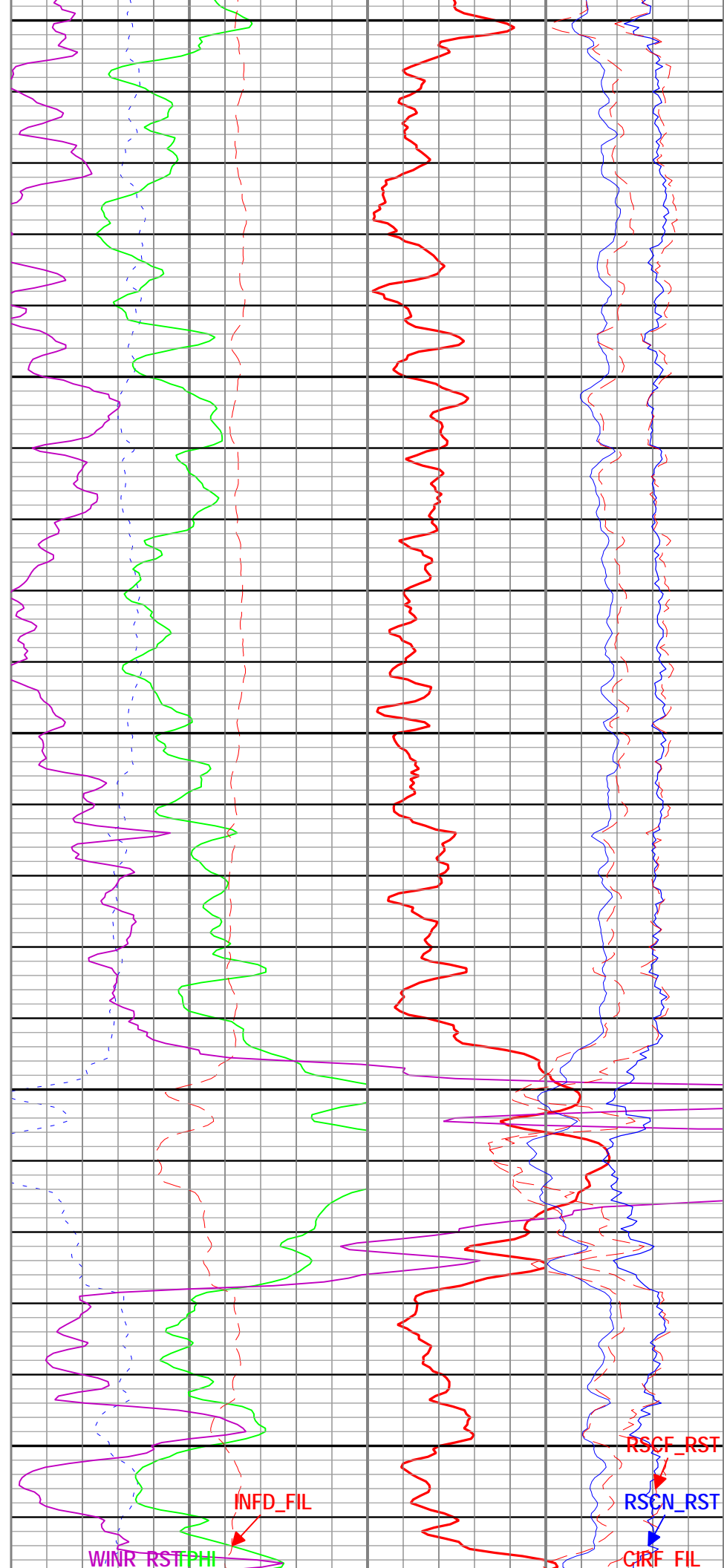




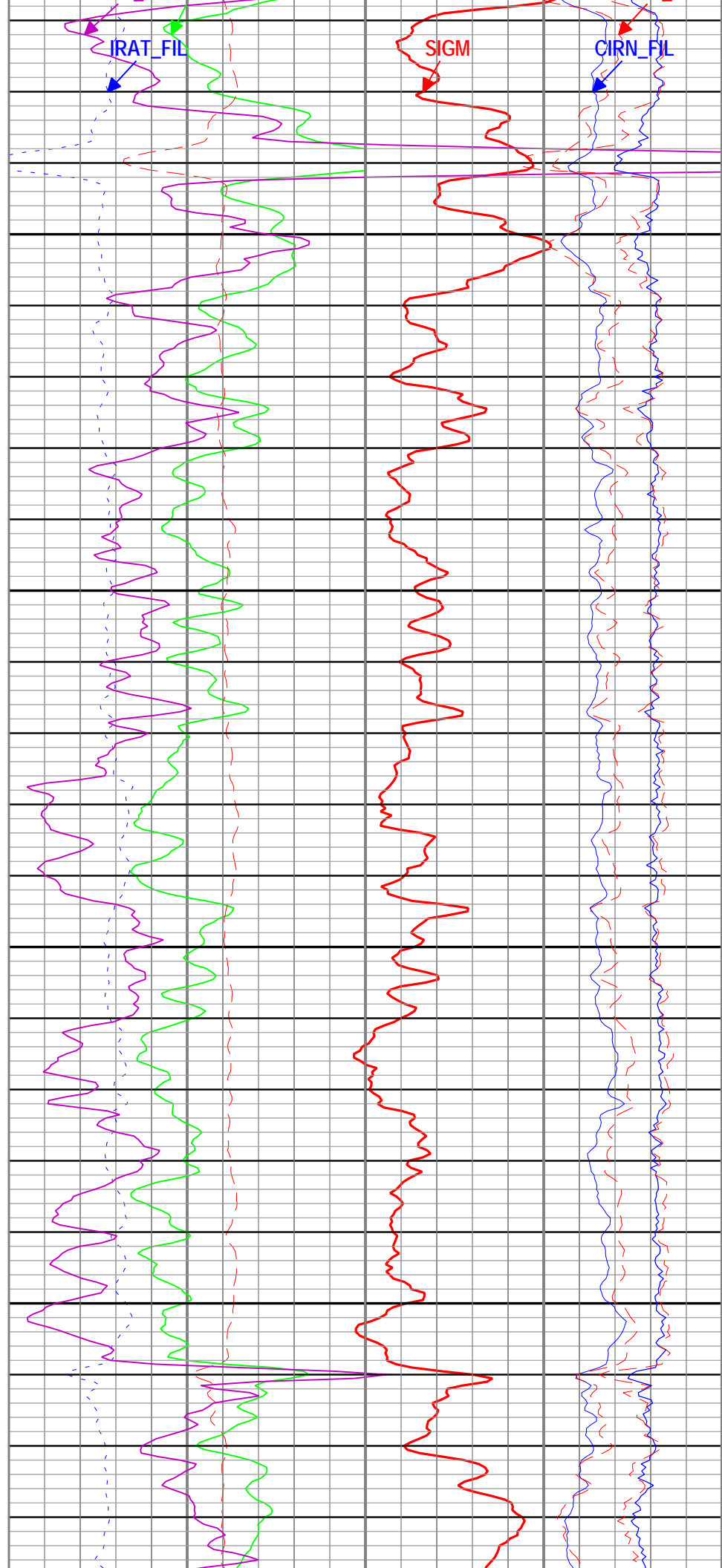
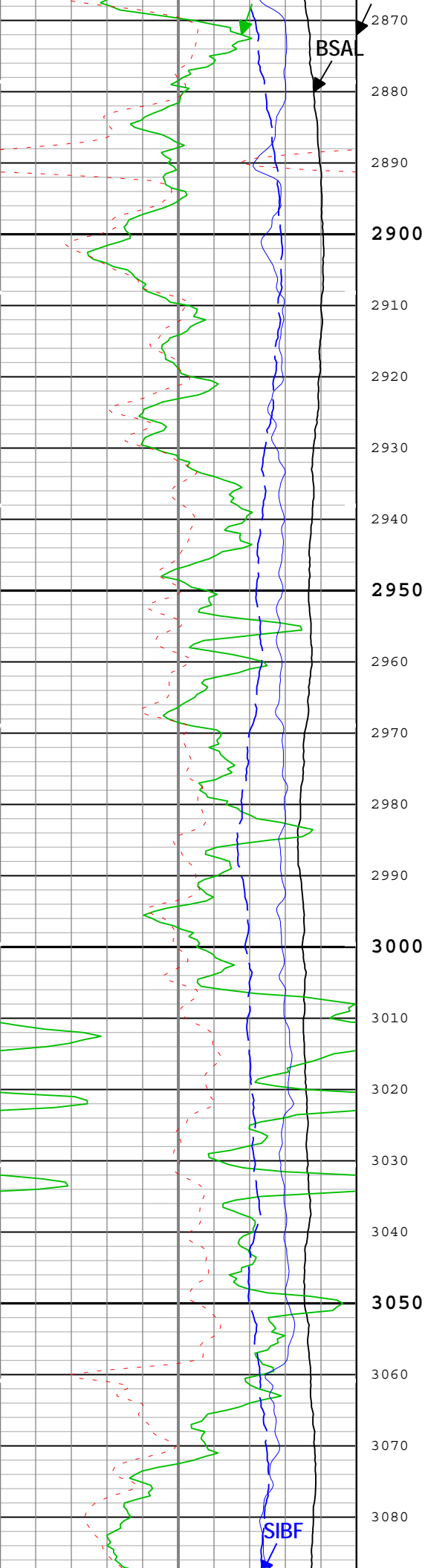


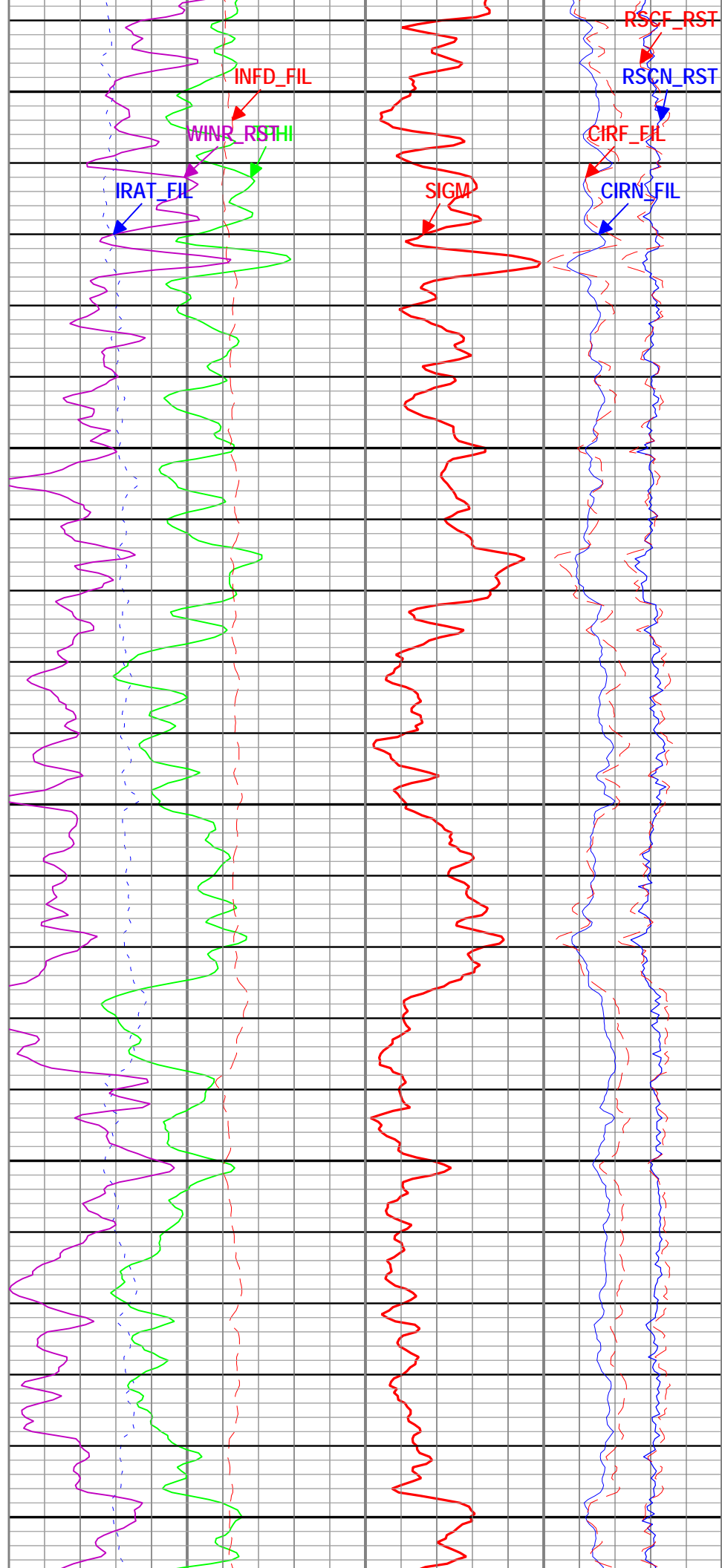
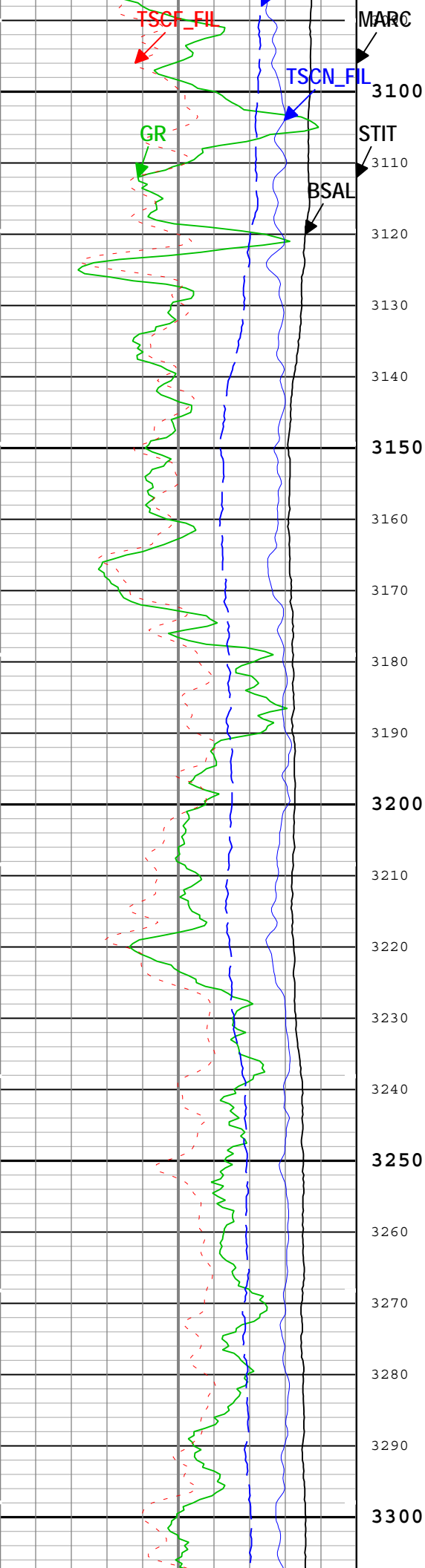


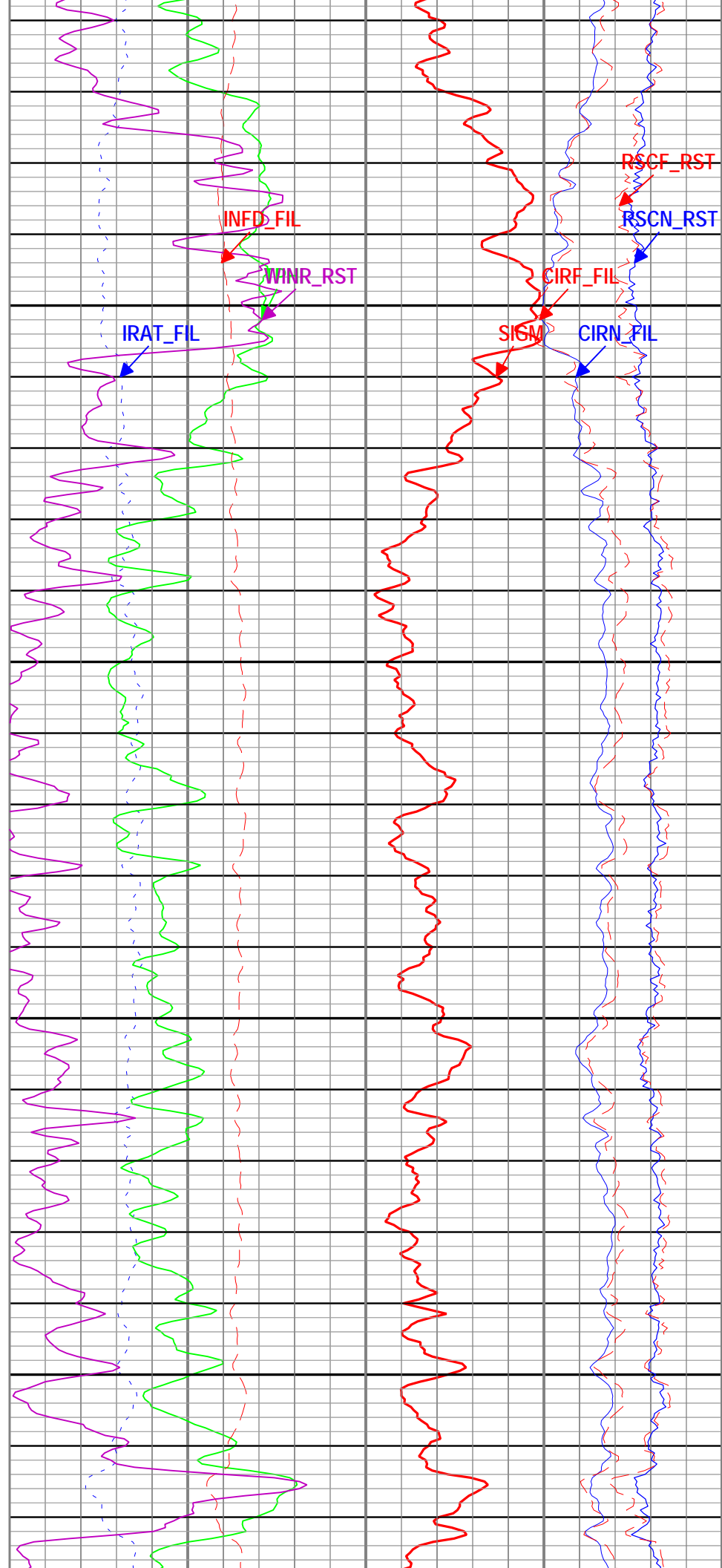
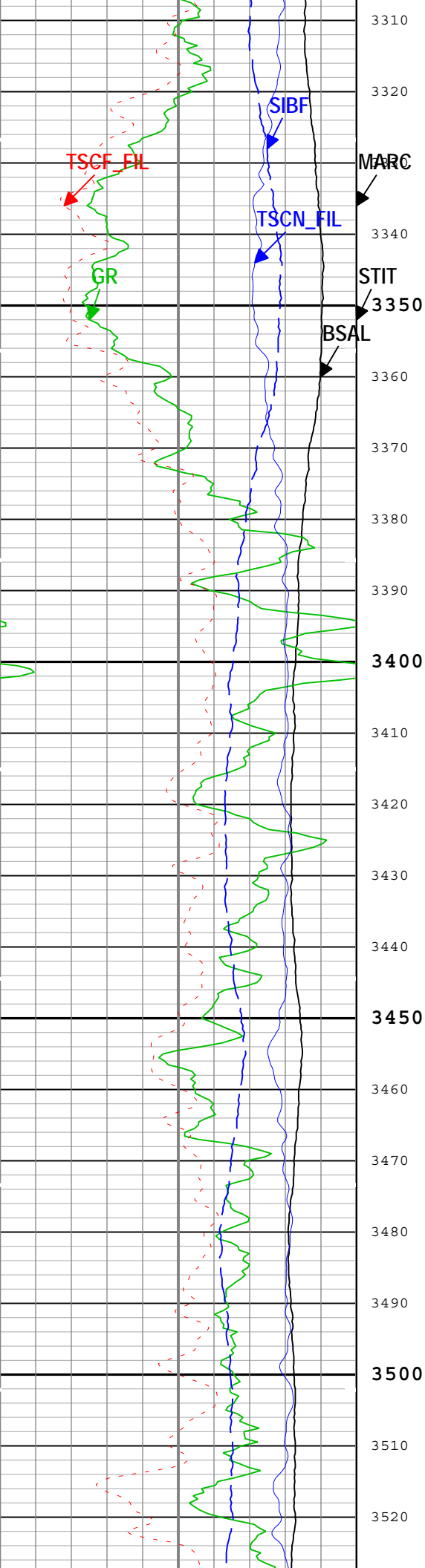
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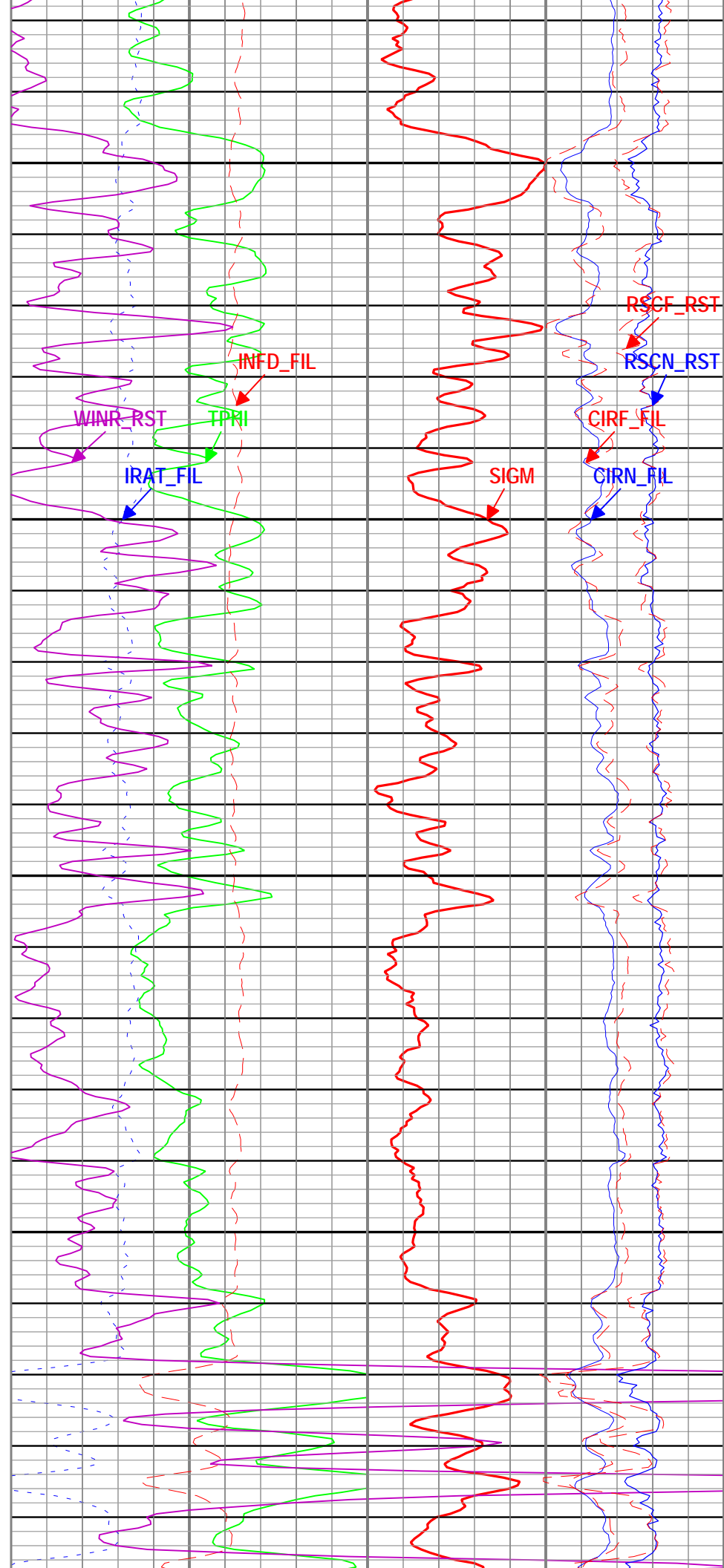
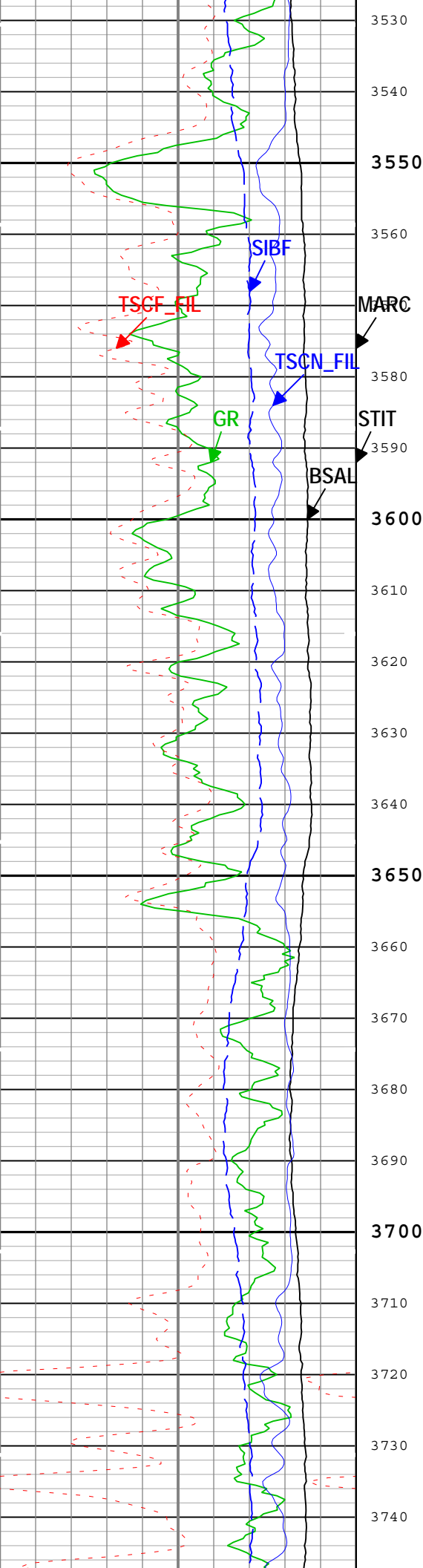


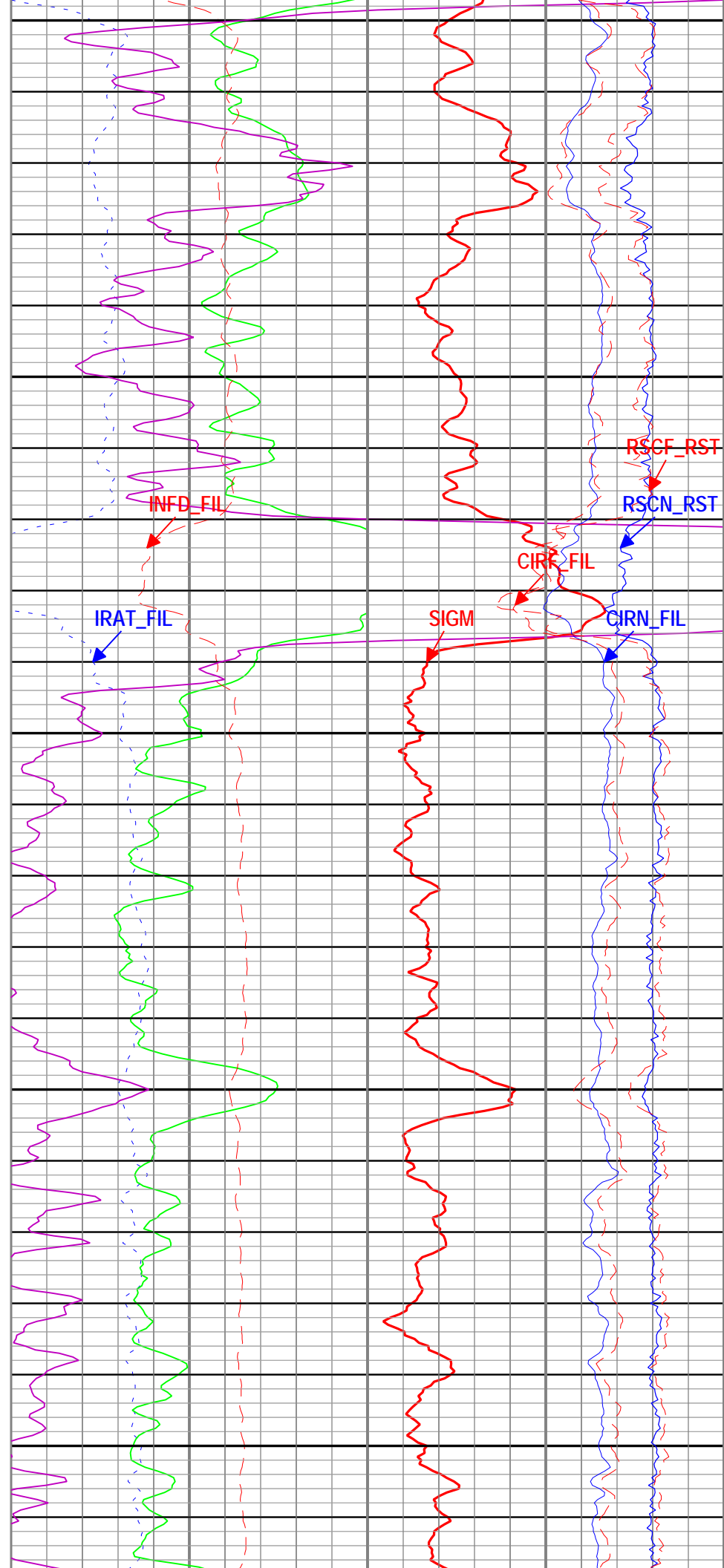
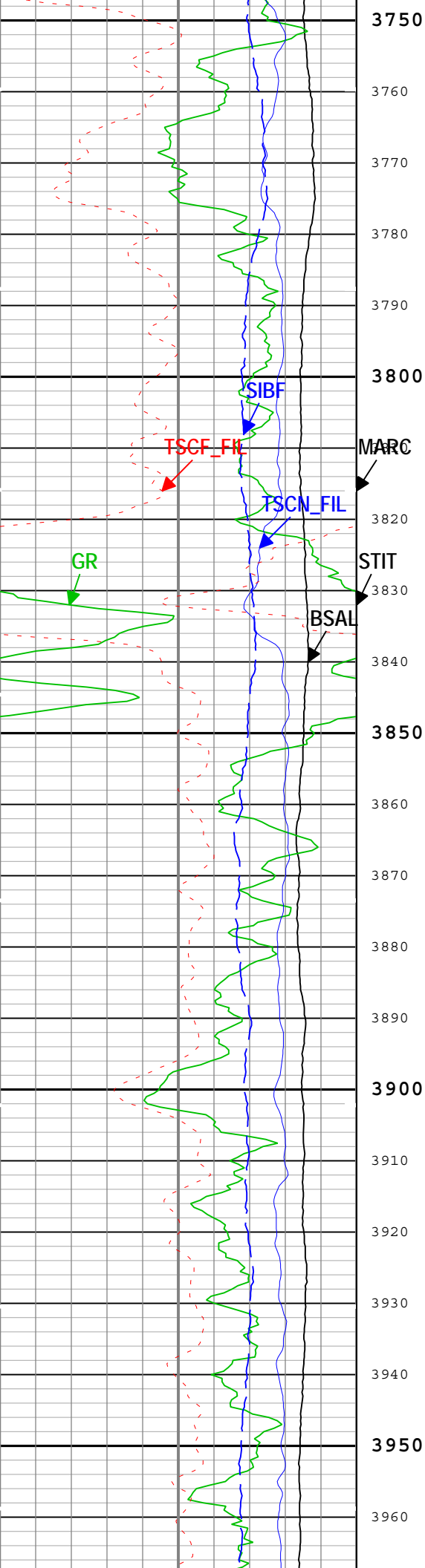
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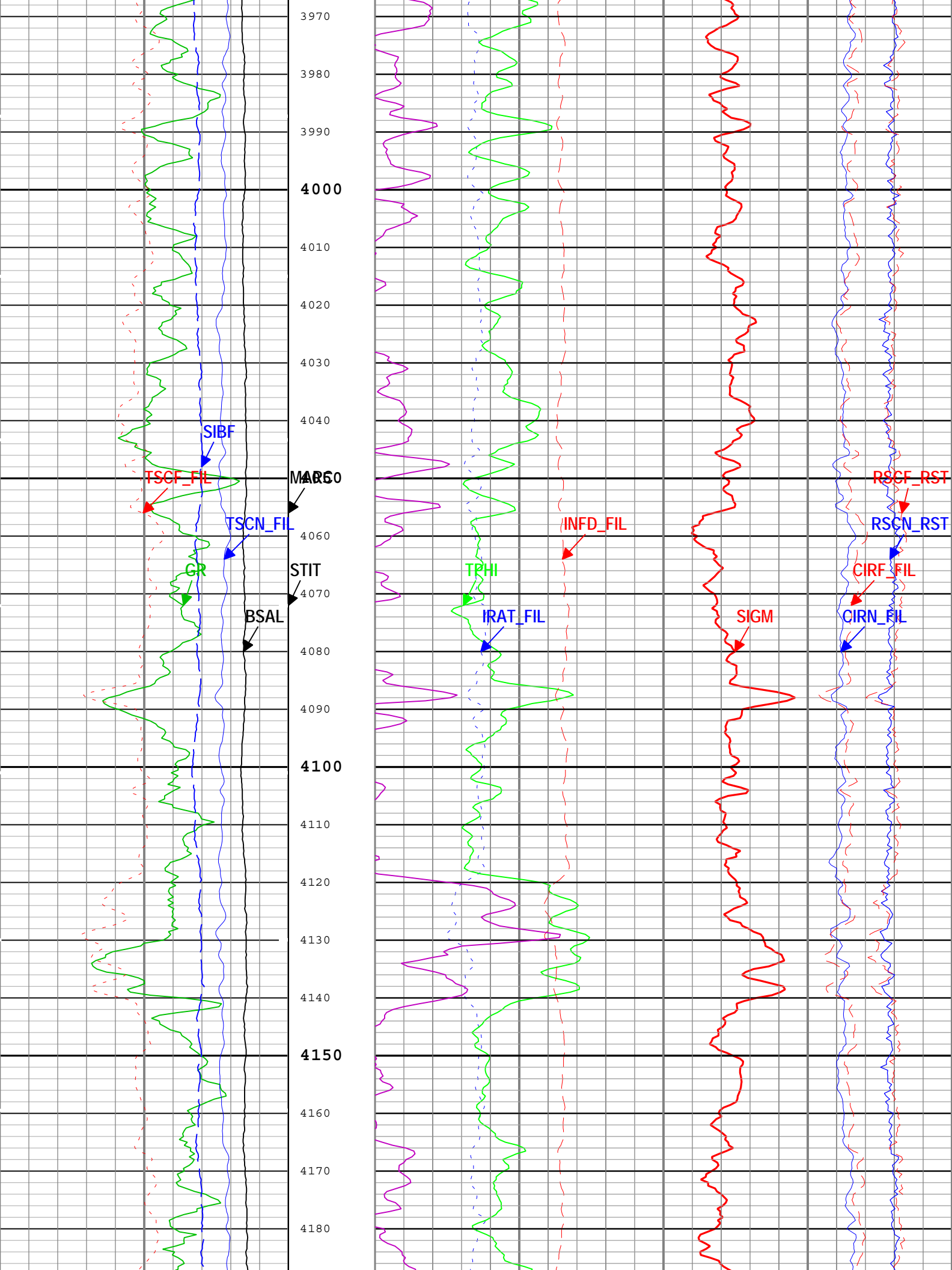


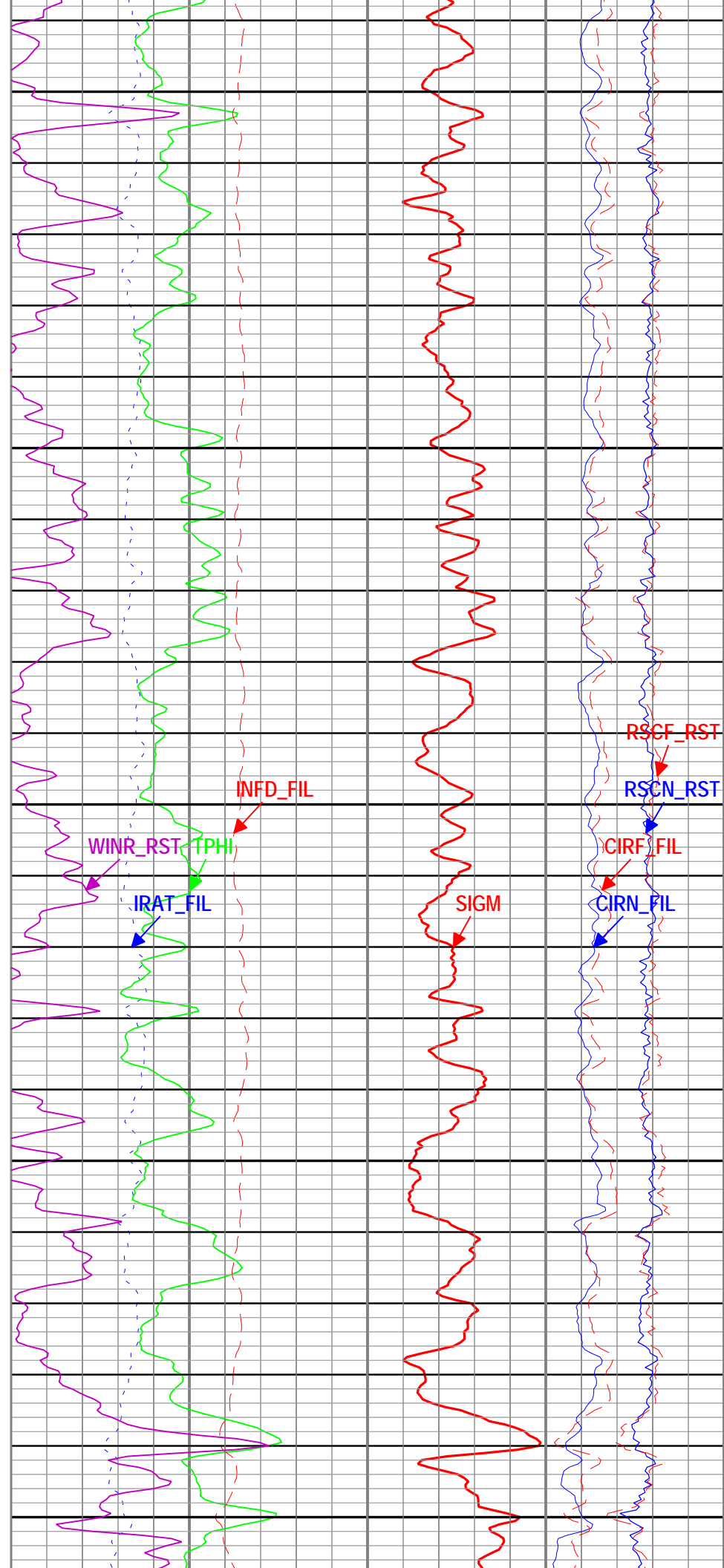
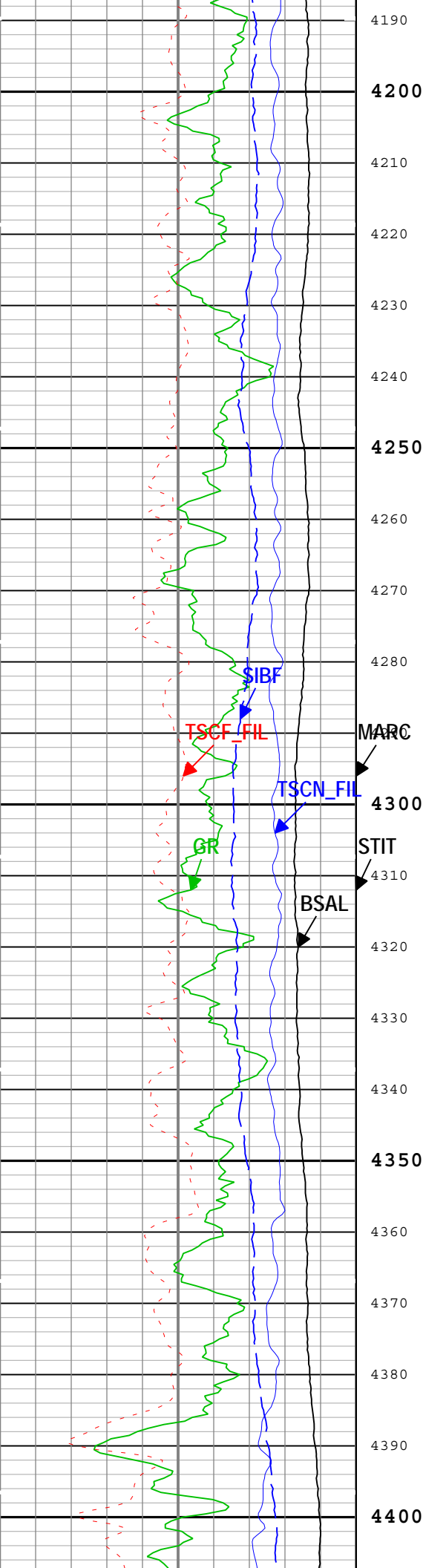


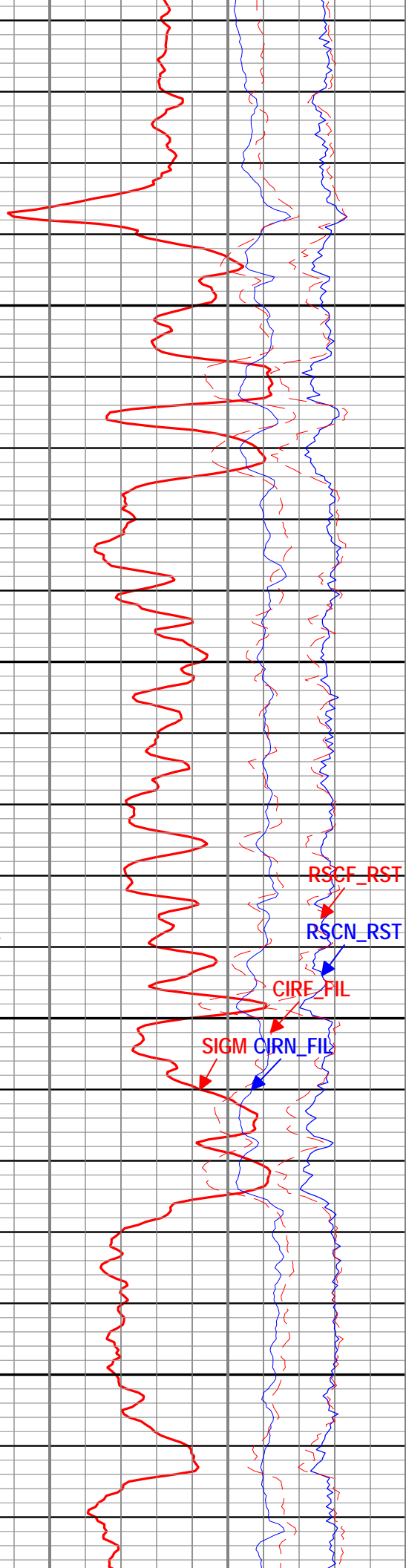
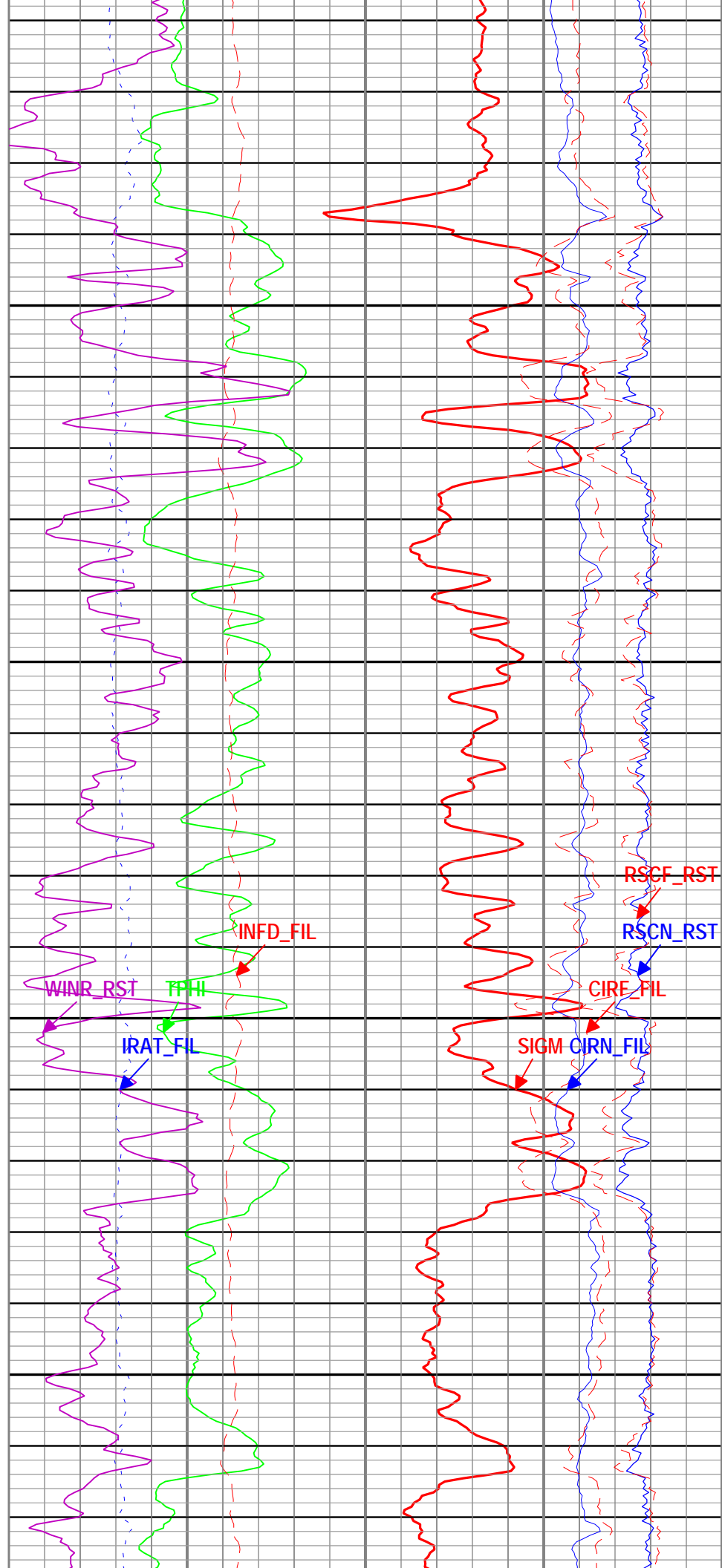
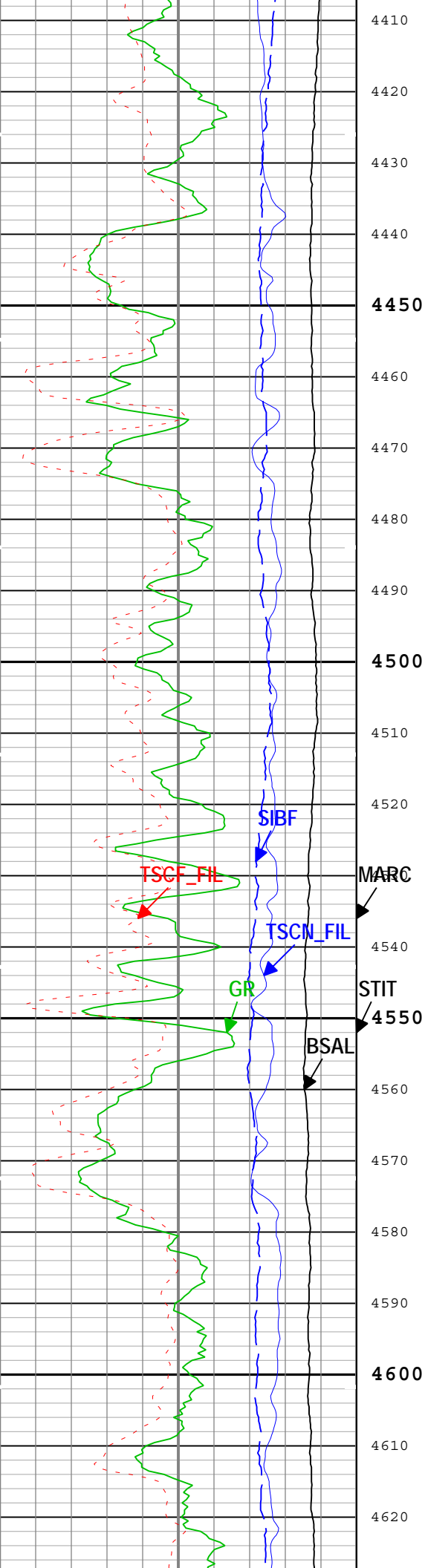


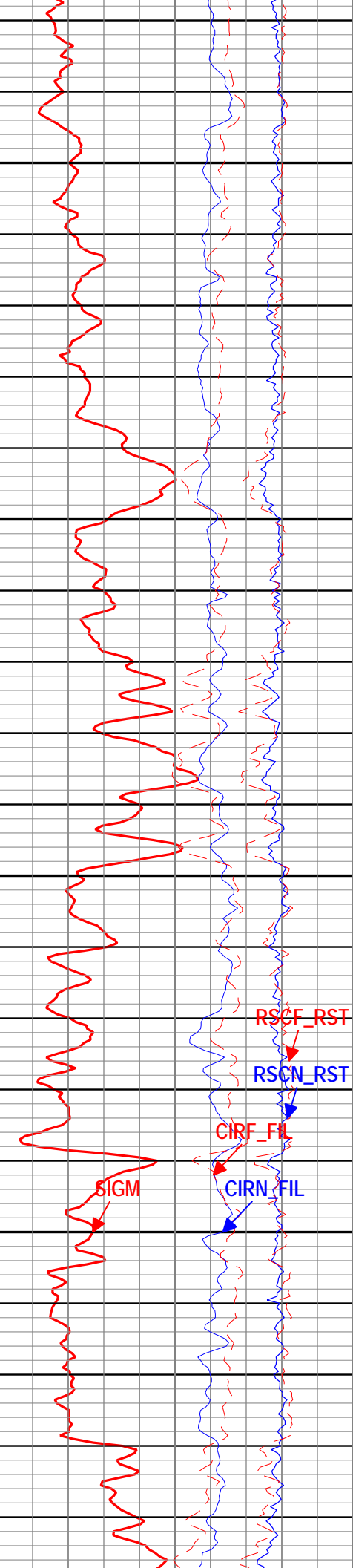
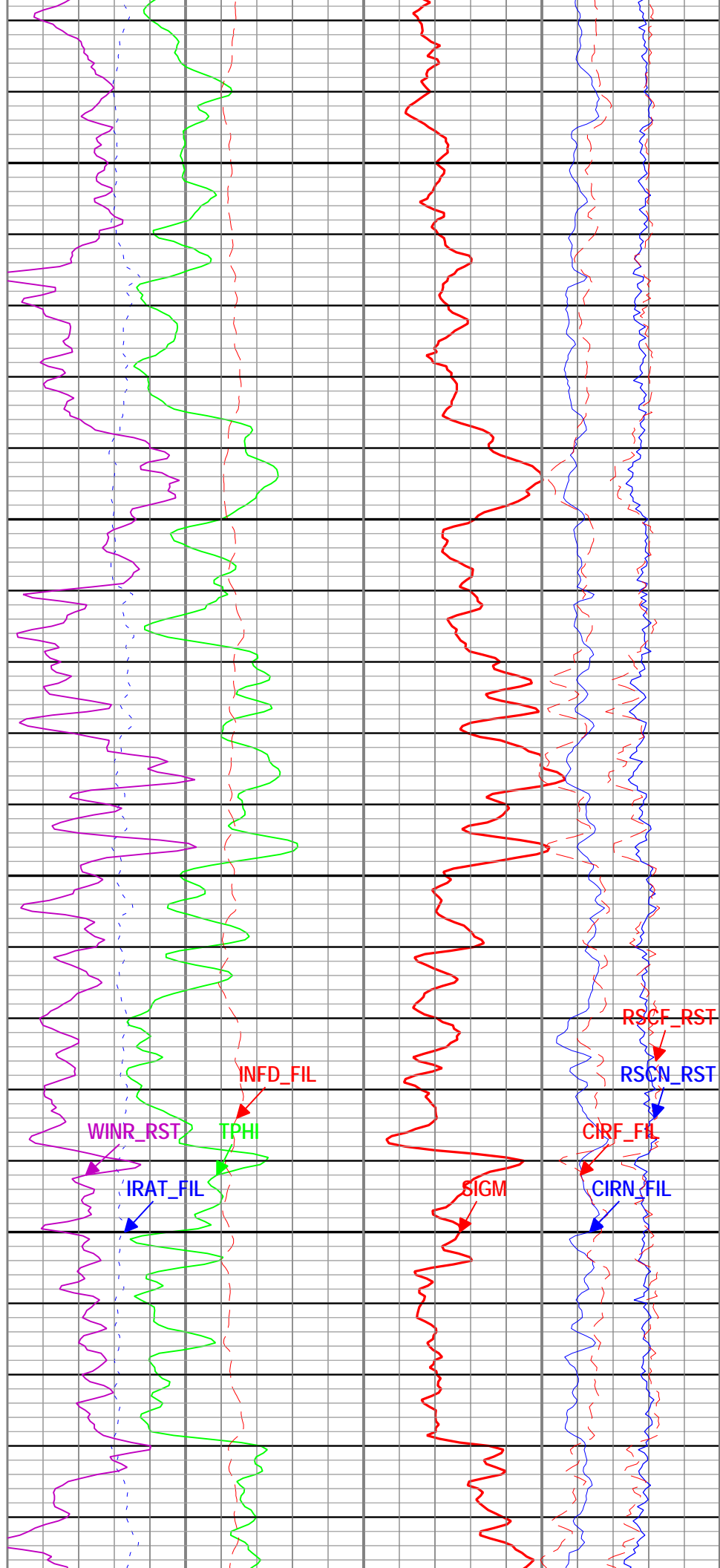
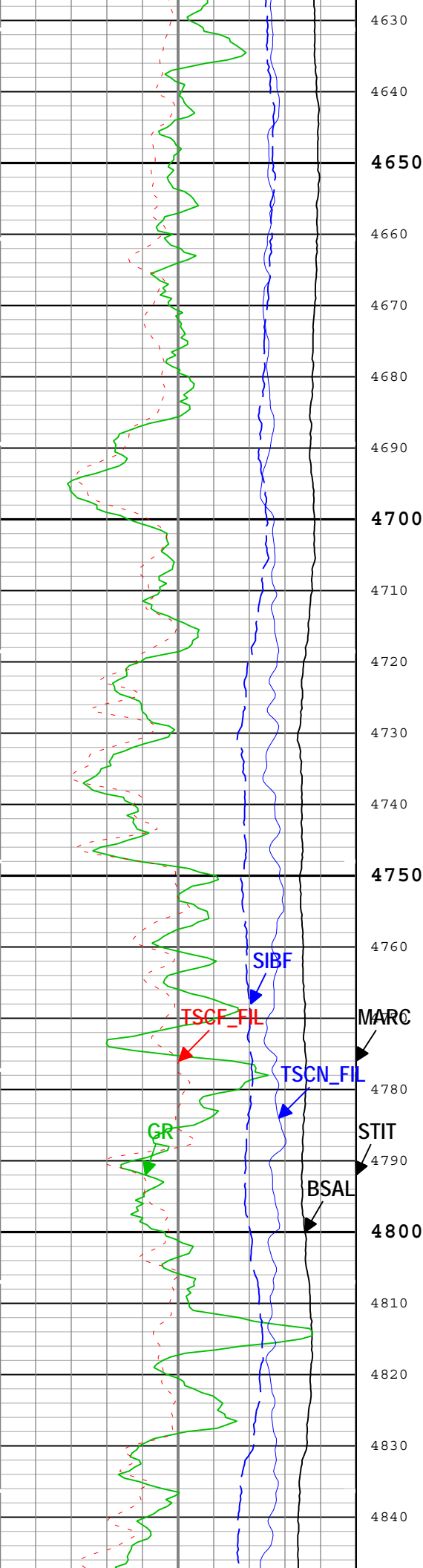


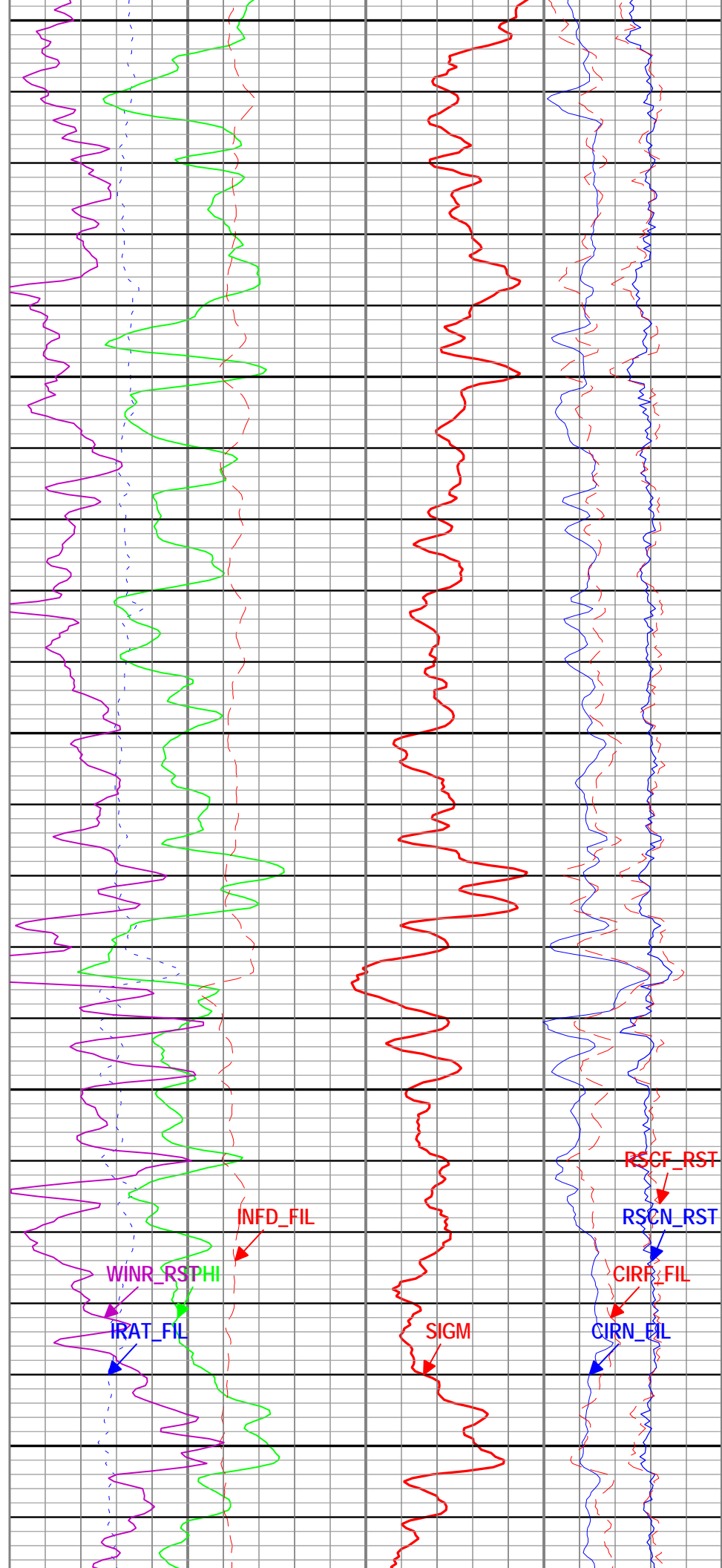
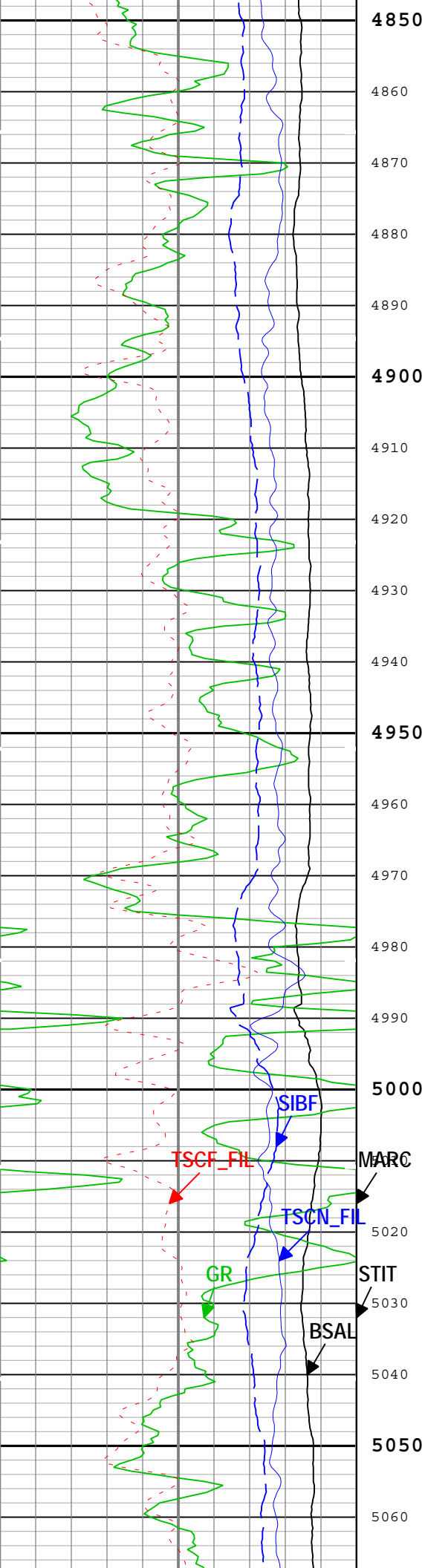


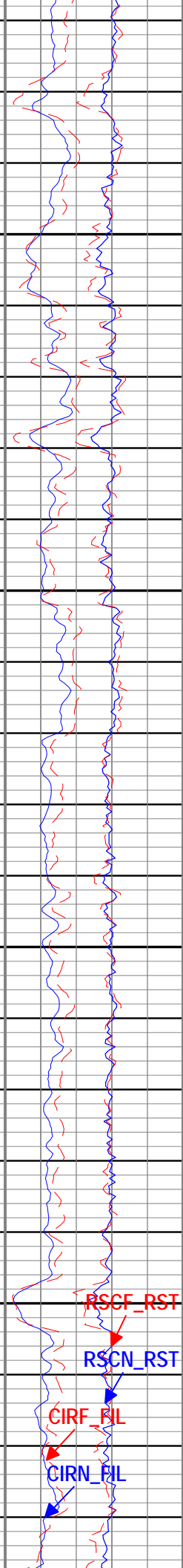
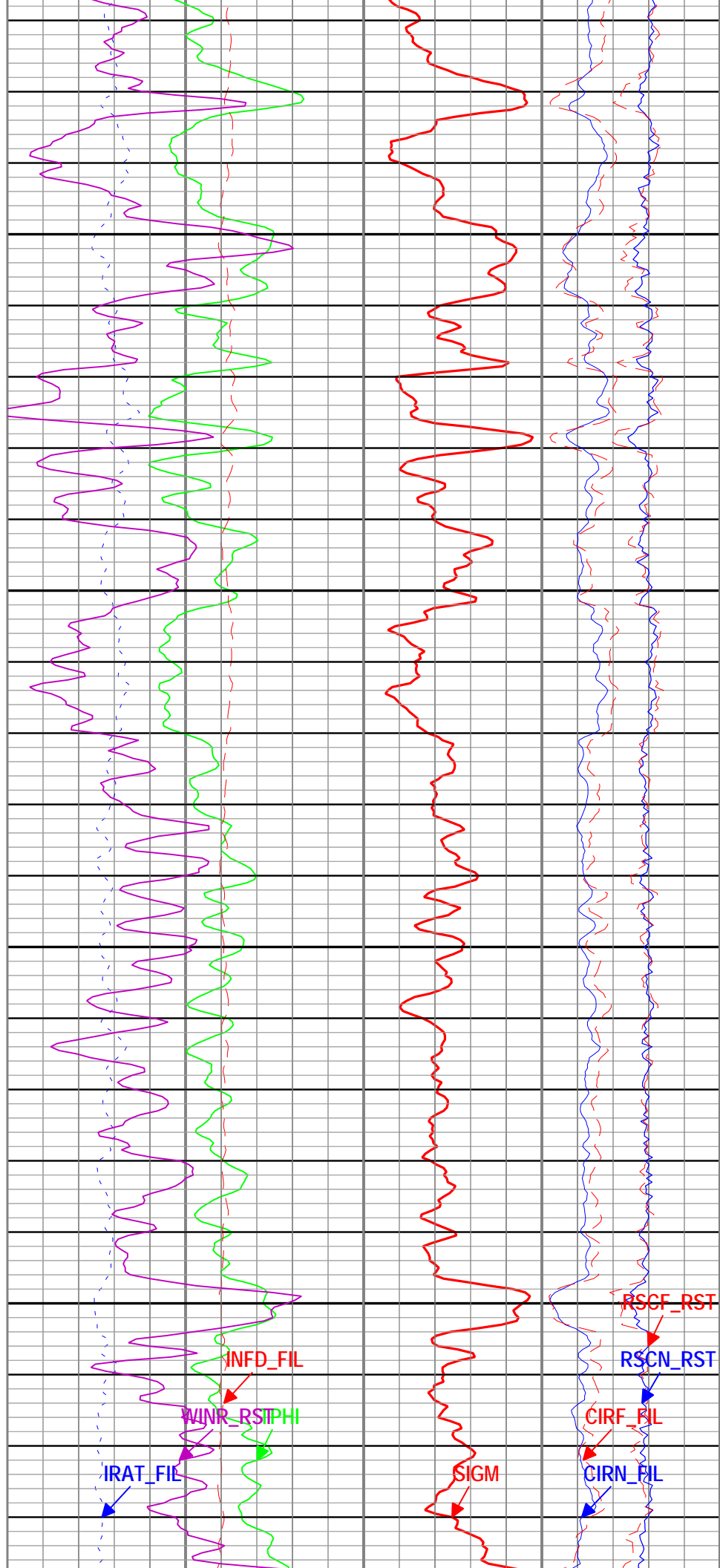
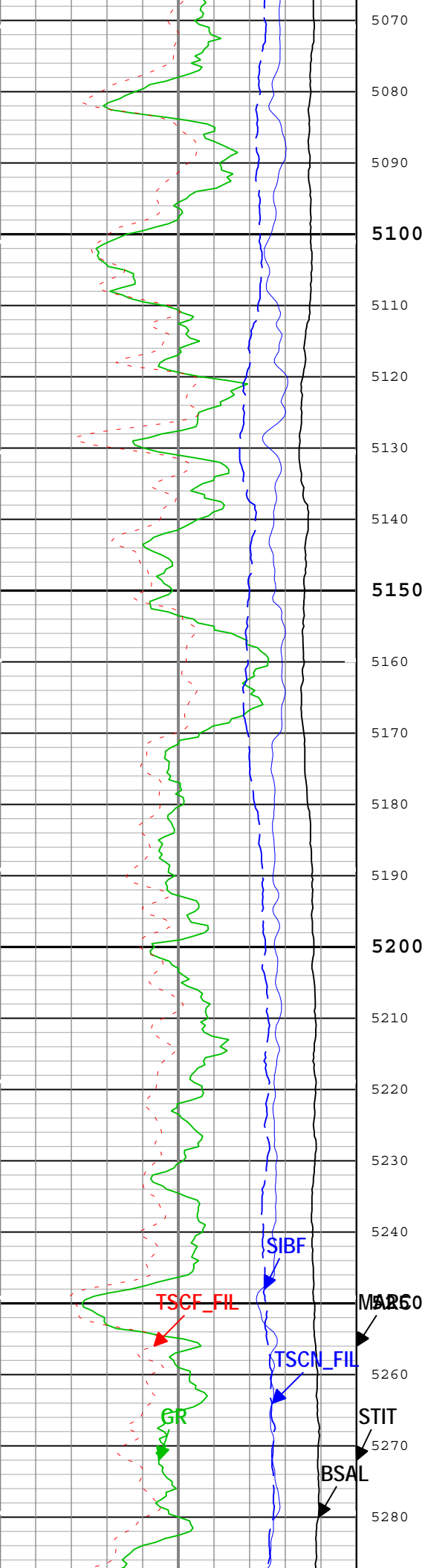


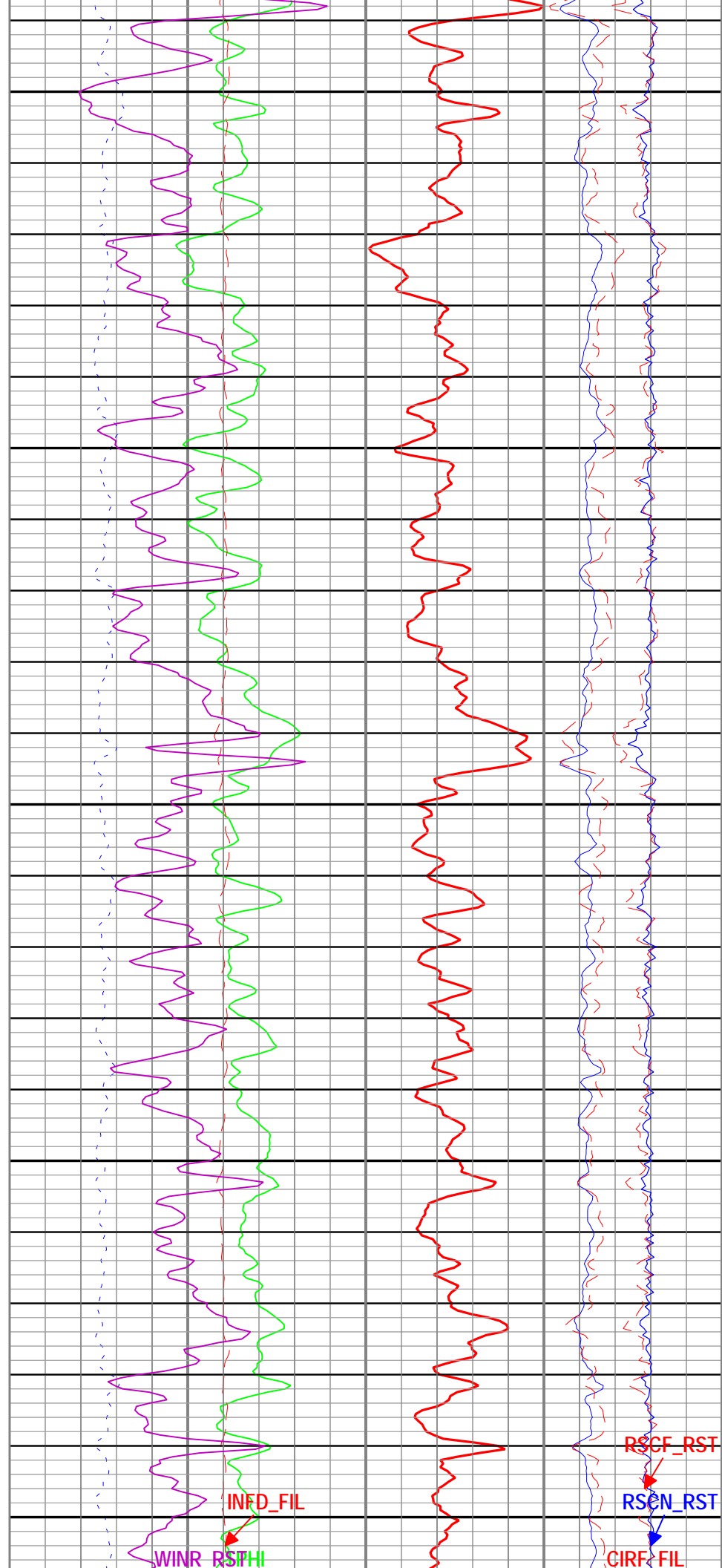
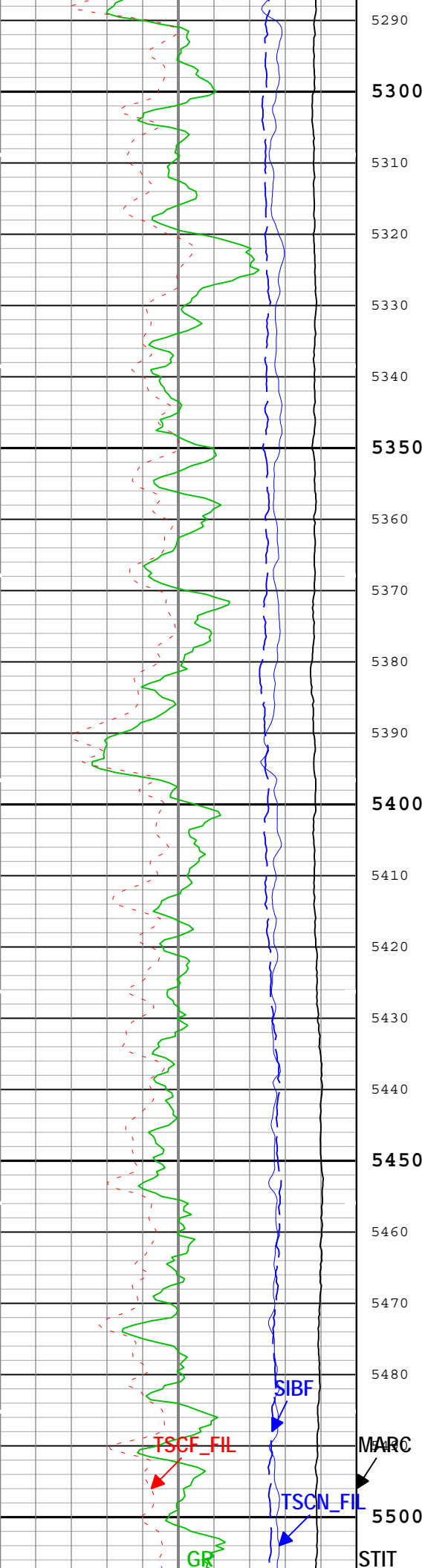


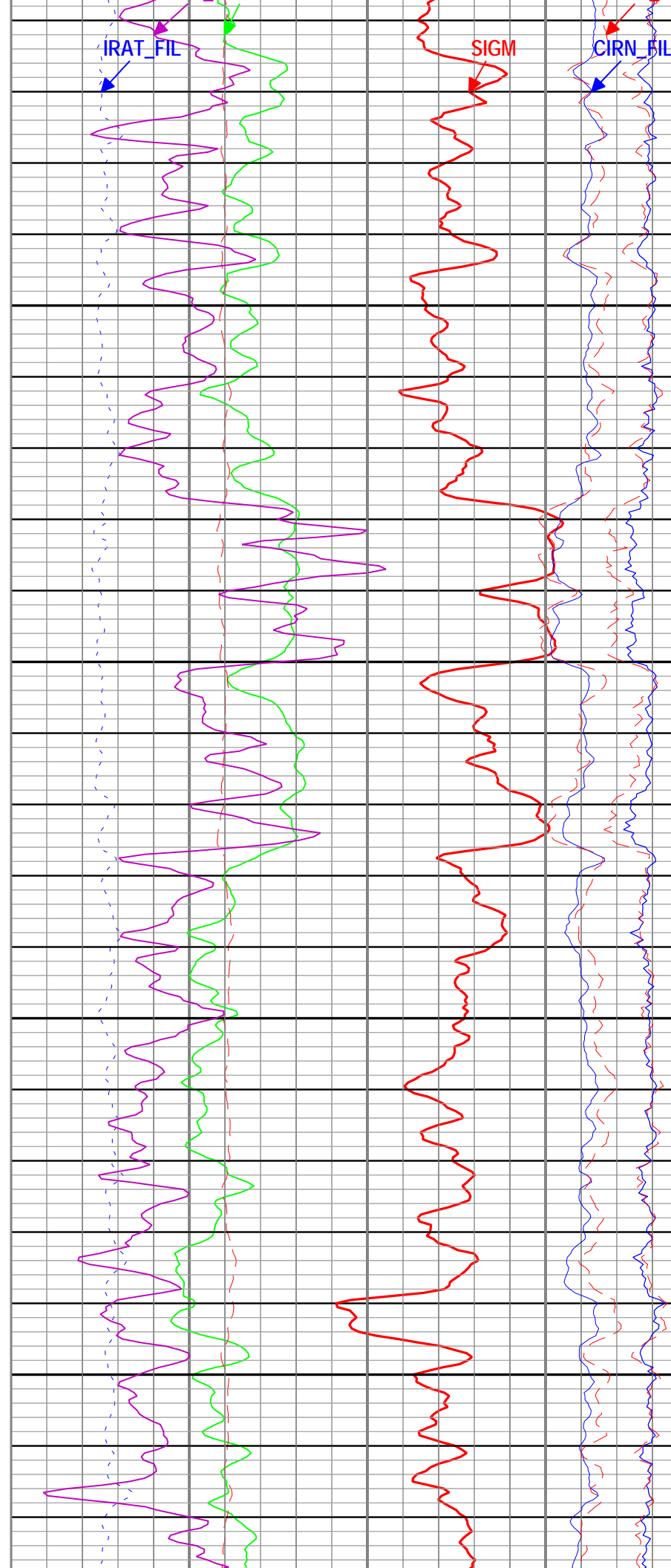
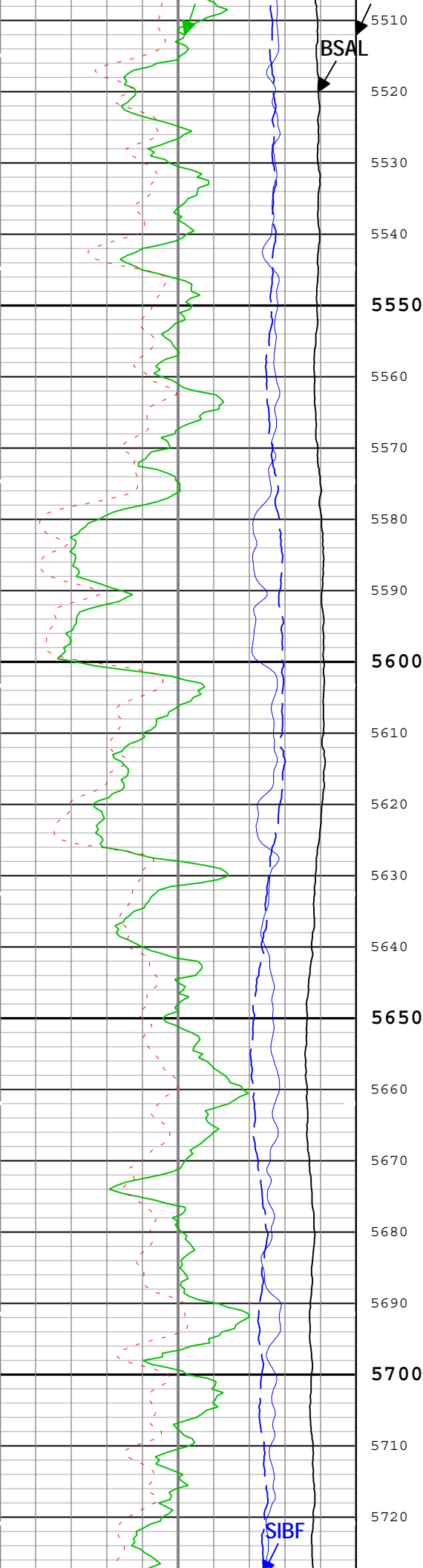


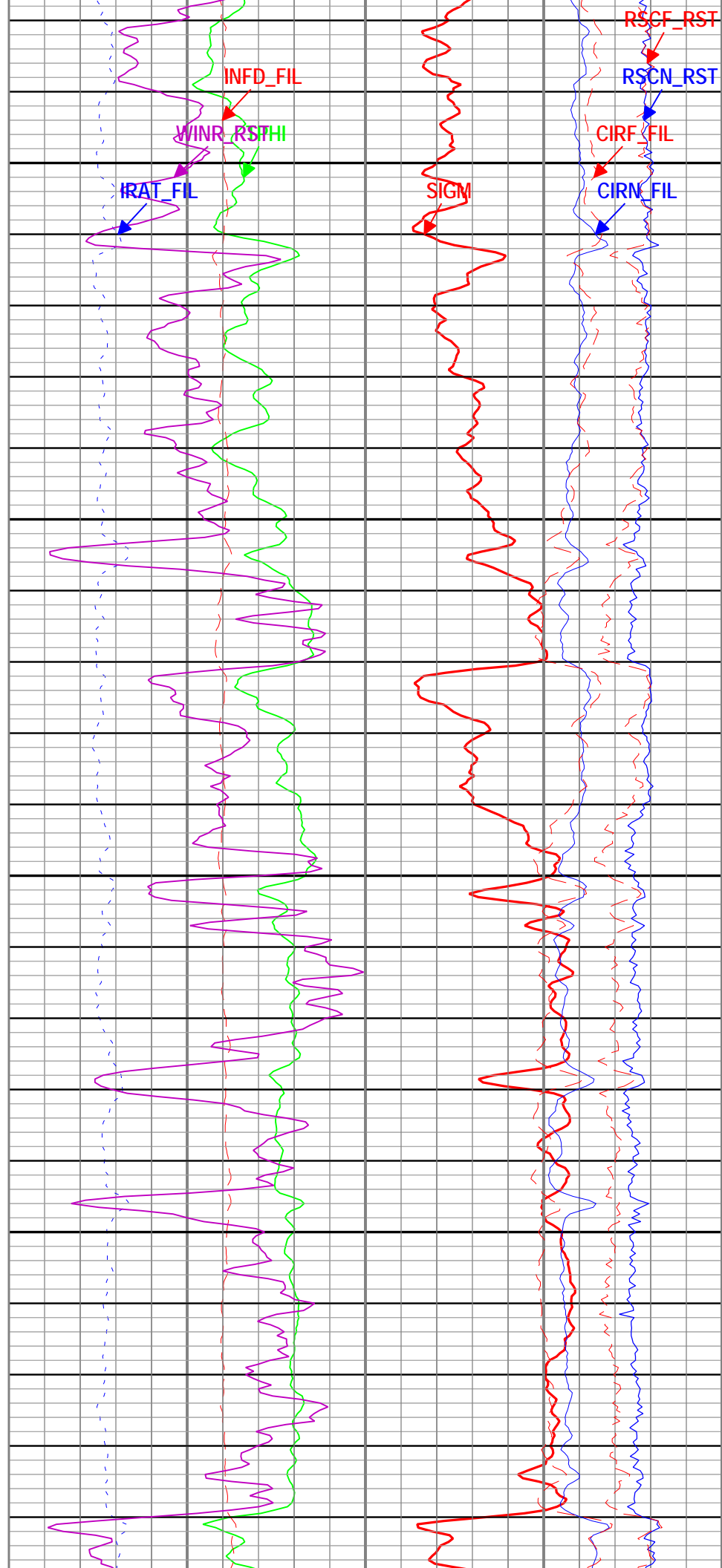
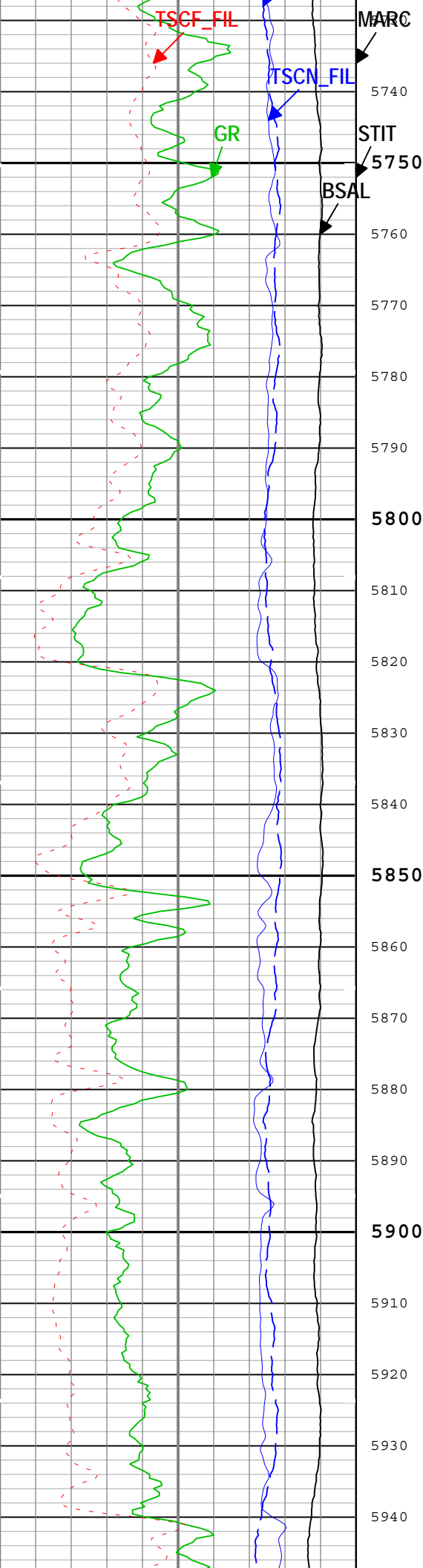


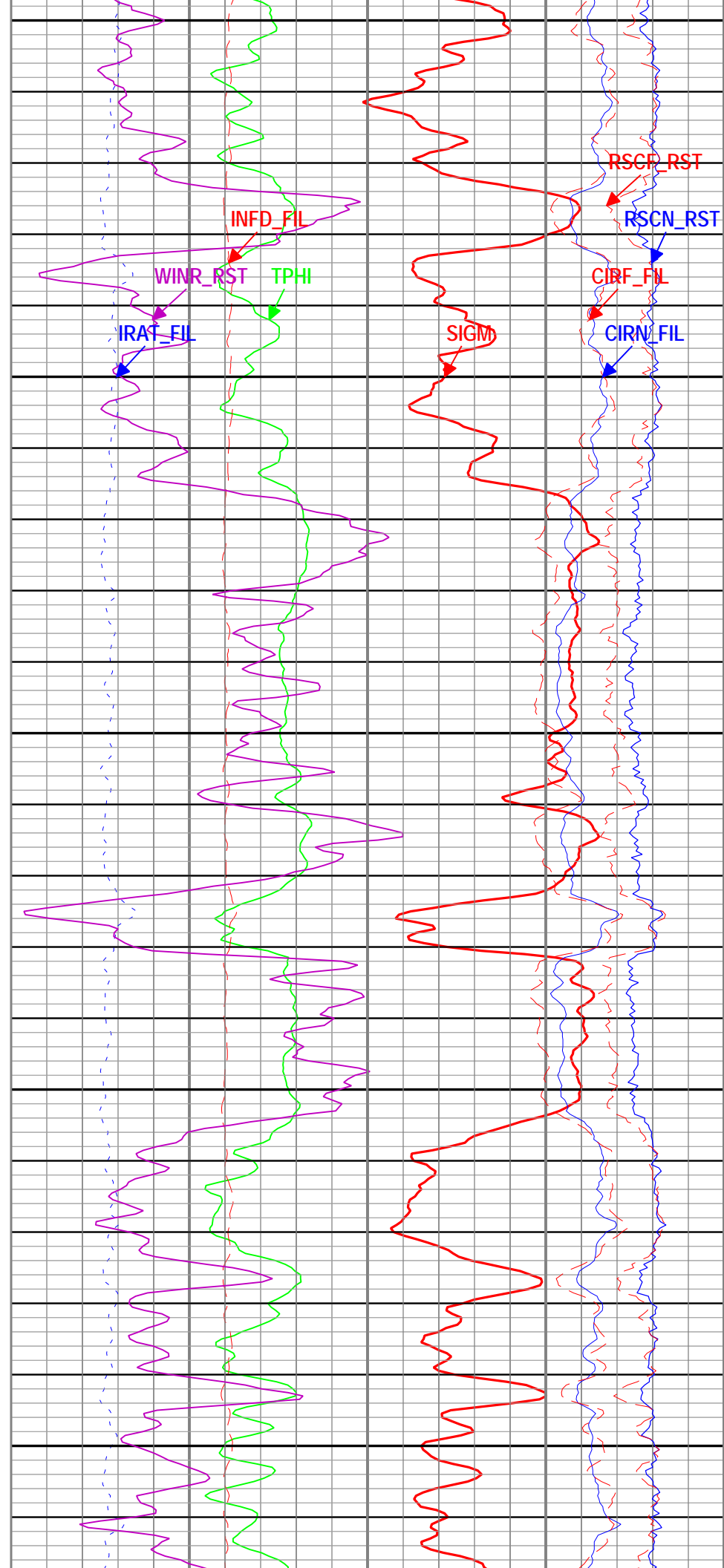
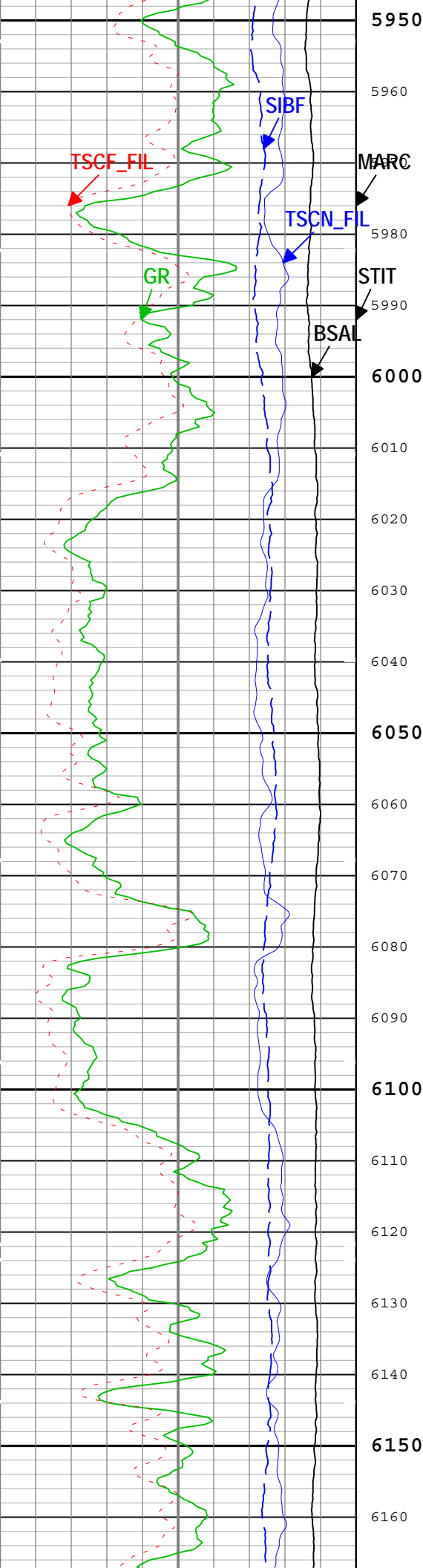


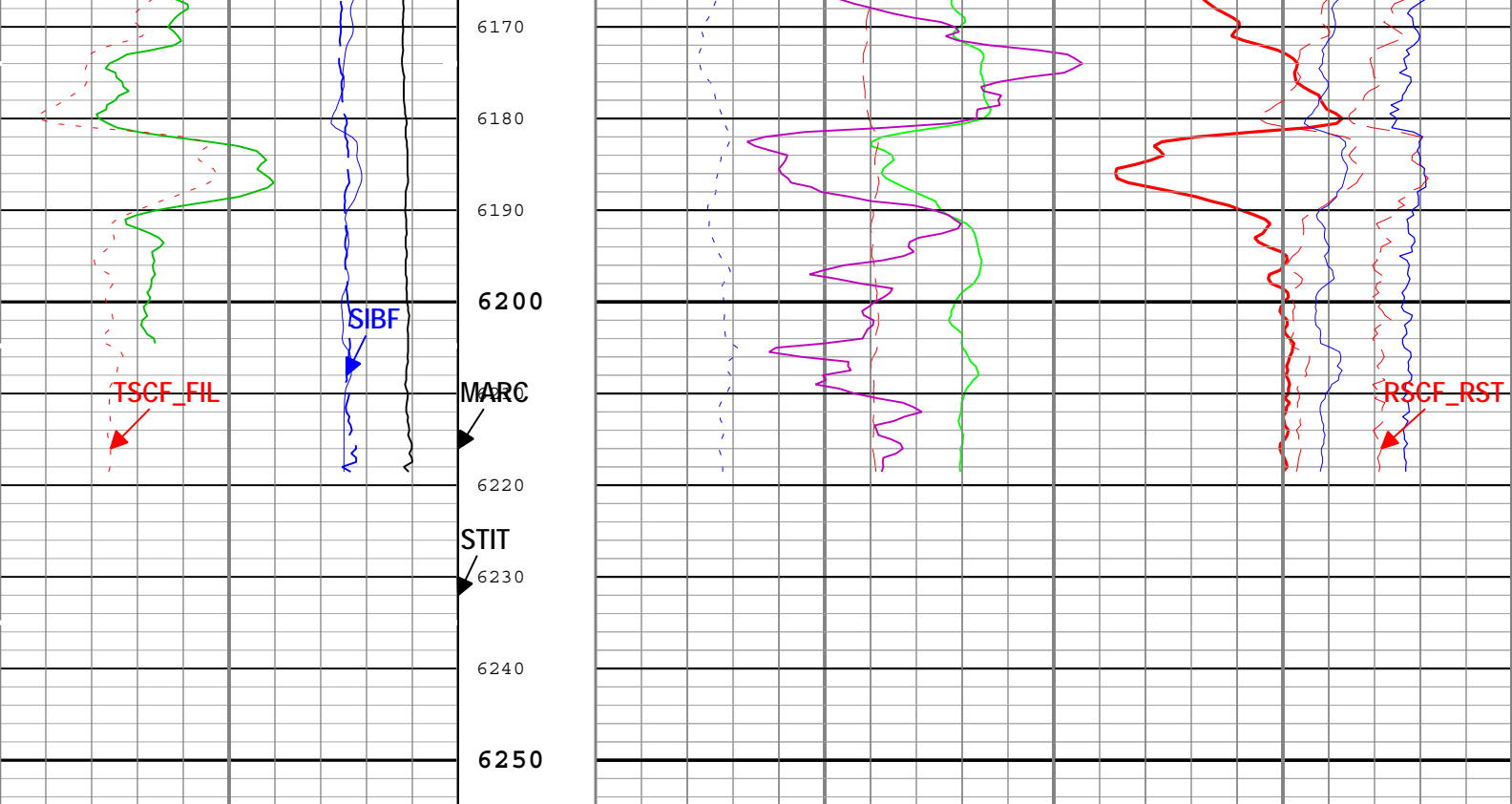












Borehole Salinity (BSAL) RST-C			Stuck Tool Indicator, Total (STIT)			Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C		
450	ppk	-50	0	ft	50	60	cu	0
Gamma Ray (GR) PSTP-A			Cable Drag From STIA to STIT			Weighted Inelastic Ratio (WINR_RST) RST-C		
0	gAPI	150	Tool_Tot. Drag From D3T to STIT			0		0.4
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C			Minitron Arc Count (MARC) RST-C			Inelastic Ratio Filtered (IRAT_FIL) RST-C		
30000	1/s	0	0			0.75		0
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C			Thermal Decay Porosity (TPHI) RST-C			Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C		
12000	1/s	0	0.6			2.5		0
Sigma Borehole Fluid (SIBF) RST-C			Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C			Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C		
100	cu	0	10000			5		0
						Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C		
						45		0
						Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C		
						45		0

- ICV - Integrated Cement Volume every 100.00 (ft3)
- ICV - Integrated Cement Volume every 10.00 (ft3)
- IHV - Integrated Hole Volume every 100.00 (ft3)
- IHV - Integrated Hole Volume every 10.00 (ft3)
- TIME_1900 - Time Marked every 60.00 (s)
- TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)

Description: RST SIGMA Answer Format: Log (RST SIGMA Answer) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 22-Jul-2015 01:19:52

Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
BHS	Borehole Status (Open or Cased Hole)	Borehole	Cased	

BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	0	ppm
BSALOPT	Borehole Salinity Option	RST-C	Unknown	
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFT	Drilling Fluid Type	Borehole	Water	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	SANDSTONE	
TD	Total Measured Depth	Borehole	6300	ft

Depth Zone Parameters				
Parameter	Value	Start (ft)	Stop (ft)	
BS	14.75	453.5	2493	
BS	8.75	2493	6255.49	
All depth are actual.				

Tool Control Parameters	
-------------------------	--

Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	150	ft/h
RST_DLM	Depth Log Mode	RST-C	Sigma	

Run 1									

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Repeat[2]:Up	Up	5939.88 ft	6252.58 ft	21-Jul-2015 8:34:26 PM	21-Jul-2015 8:45:21 PM	ON	2.12 ft	Yes
Run 1	Main[3]:Up	Up	503.53 ft	6255.49 ft	21-Jul-2015 9:45:48 PM	22-Jul-2015 1:04:12 AM	ON	3.53 ft	Yes
All depths are referenced to toolstring zero									

Log	Company:Caerus Piceance LLC Well:Puckett SWD H2-797 Run 1: Main[3]:Up:S004
-----	--

Description: RST SIGMA Answer Format: Log (RST SIGMA Answer RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth
Creation Date: 22-Jul-2015 01:19:56

└─ TIME_1900 - Elapsed time since midnight, 30 December 1899 every 60.00 (s)
 └─ IHV - Integrated Hole Volume every 10.00 (ft3)
 └─ IHV - Integrated Hole Volume every 100.00 (ft3)
 └─ ICV - Integrated Cement Volume every 10.00 (ft3)
 └─ ICV - Integrated Cement Volume every 100.00 (ft3)

TIME_1900 - Time Marked every 60.00 (s)

	<div>Main To Repeat</div> <div>Repeat To Main</div> <div>Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C</div> <div>450</div>
<div>Main To Repeat</div> <div>Repeat To Main</div> <div>Borehole Salinity (BSAL) RST-C</div>	<div>Main To Repeat</div> <div>Repeat To Main</div> <div>Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C</div>

450 ppk -50

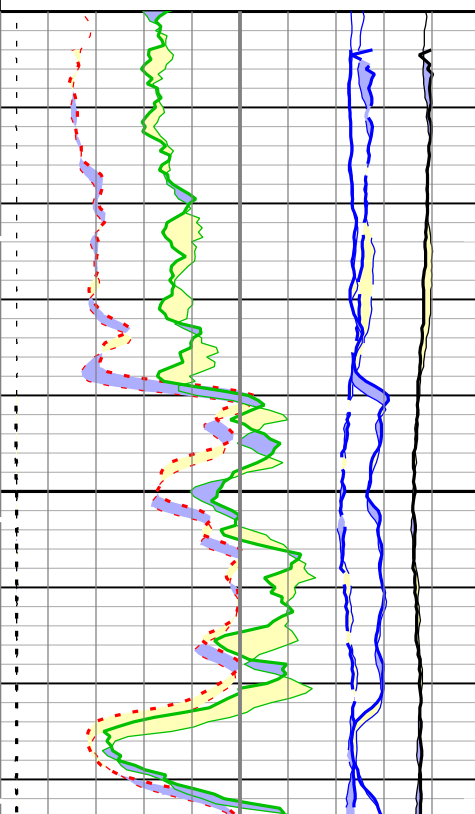
Main To Repeat
Repeat To Main
Sigma Borehole Fluid (SIBF) RST-C
100 cu 0

Main To Repeat
Repeat To Main
Cable Speed (CS)
0 ft/h 50000

Main To Repeat
Repeat To Main
Total Selected Count Rate Near Detector
Filtered (TSCN_FIL) RST-C
30000 1/s 0

Main To Repeat
Repeat To Main
Total Selected Count Rate Far Detector Filtered
(TSCF_FIL) RST-C
12000 1/s 0

Main To Repeat
Repeat To Main
Gamma Ray (GR) PSTP-A
0 gAPI 150



Main To Repeat
Repeat To Main
Minitron Arc Count (MARC) RST-C
0 5
Main To Repeat
Repeat To Main
Stuck Tool Indicator, Total (STIT)
0 ft 50

45 0

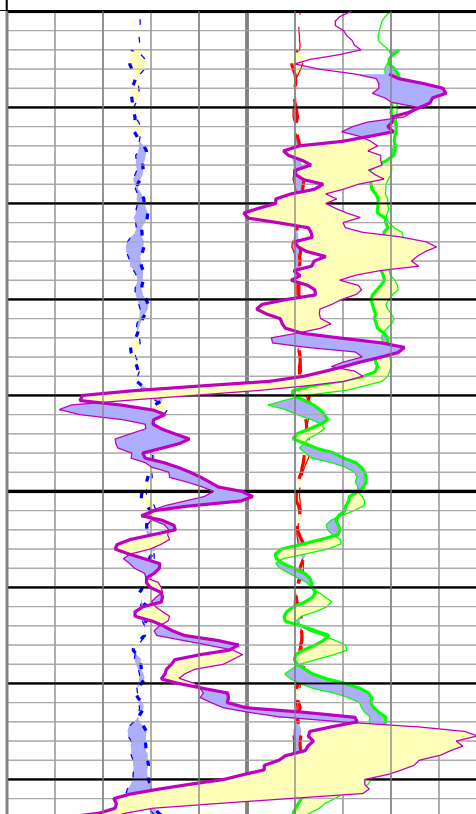
Main To Repeat
Repeat To Main
Gross Inelastic Count Rate Far Detector
Filtered (INFDFIL) RST-C
10000 1/s 0

Main To Repeat
Repeat To Main
Inelastic Ratio Filtered (IRAT_FIL) RST-C
0.75 0

Main To Repeat
Repeat To Main
Thermal Decay Porosity (TPHI) RST-C
0.6 ft3/ft3 0

Main To Repeat
Repeat To Main
Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C
60 cu 0

Main To Repeat
Repeat To Main
Weighted Inelastic Ratio (WINR_RST) RST-C
0 0.4



45 0

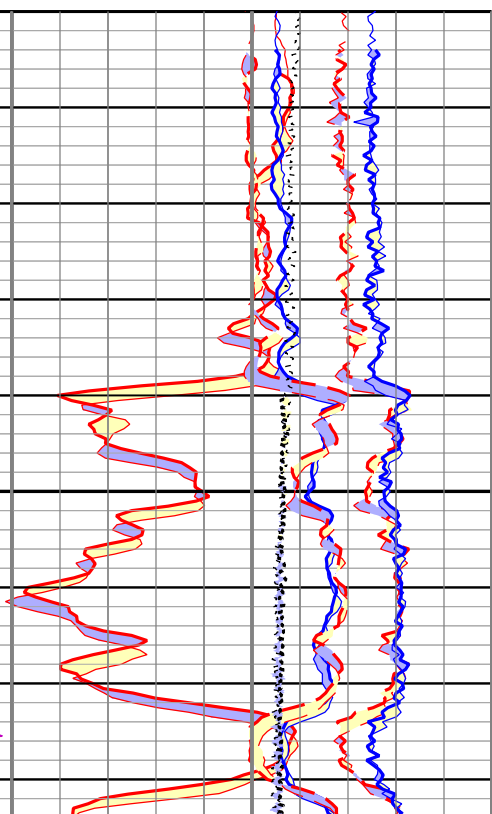
Main To Repeat
Repeat To Main
Capture to Inelastic Ratio Near Filtered
(CIRN_FIL) RST-C
2.5 0

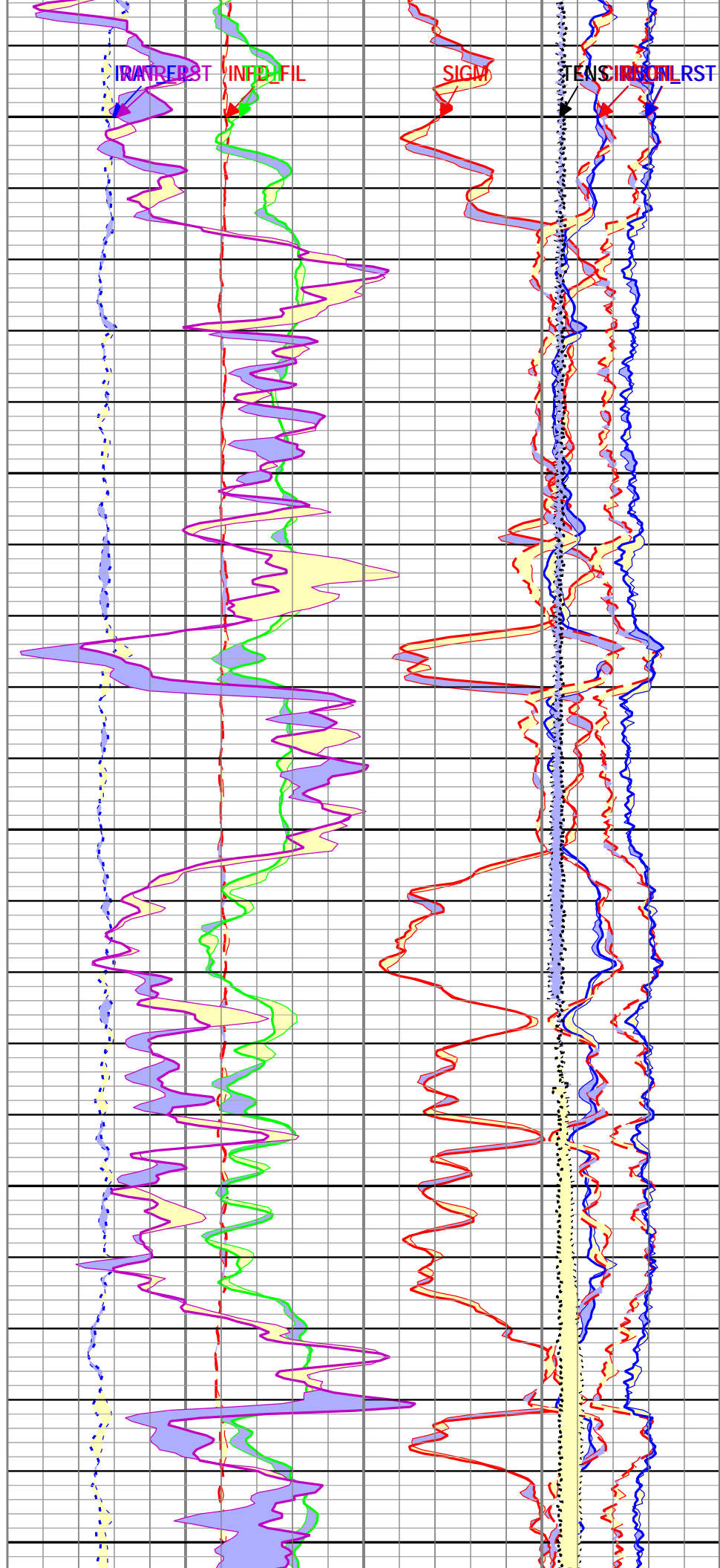
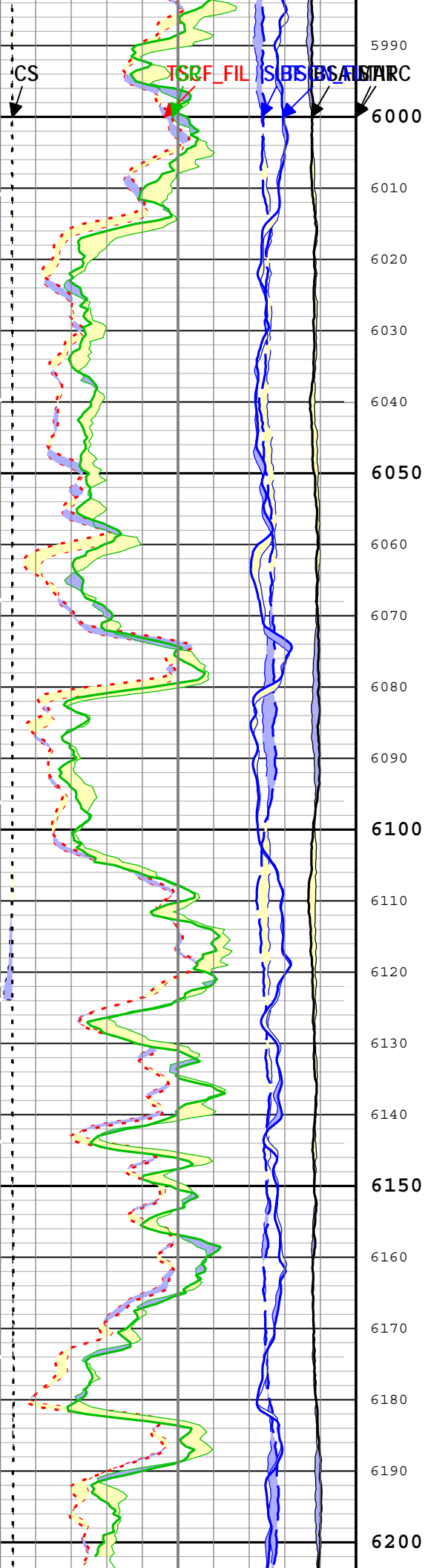
Main To Repeat
Repeat To Main
Capture to Inelastic Ratio Far Filtered
(CIRF_FIL) RST-C
5 0

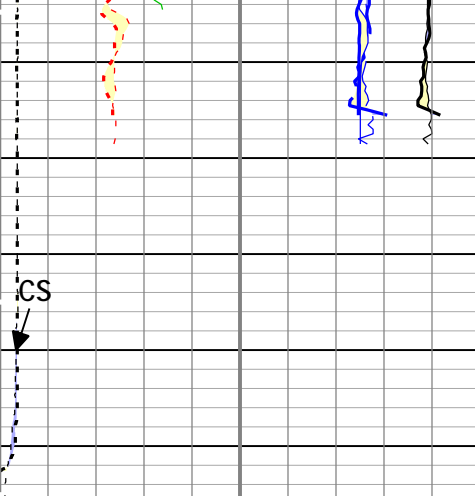
Main To Repeat
Repeat To Main
Cable Tension (TENS)
5000 lbf 0

Main To Repeat
Repeat To Main
Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C
60 cu 0

Main To Repeat
Repeat To Main
Weighted Inelastic Ratio (WINR_RST) RST-C
0 0.4



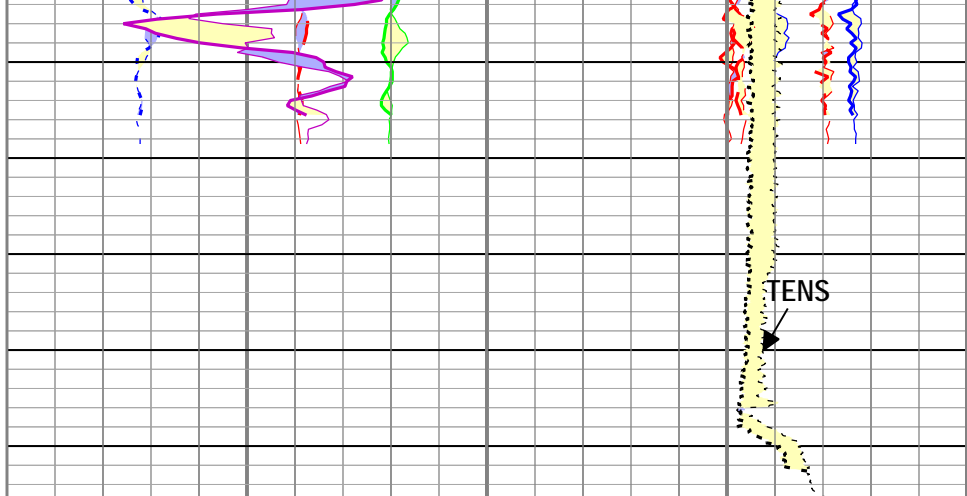




6210
6220
6230
6240
6250

CS

STIT



TENS

Main To Repeat
Repeat To Main
Borehole Salinity (BSAL) RST-C
450ppk-50
Main To Repeat
Repeat To Main
Sigma Borehole Fluid (SIBF) RST-C
100cu0
Main To Repeat
Repeat To Main
Cable Speed (CS)
0ft/h50000
Main To Repeat
Repeat To Main
Total Selected Count Rate Near Detector Filtered (TSCN_FIL) RST-C
300001/s0
Main To Repeat
Repeat To Main
Total Selected Count Rate Far Detector Filtered (TSCF_FIL) RST-C
120001/s0
Main To Repeat
Repeat To Main
Gamma Ray (GR) PSTP-A
0gAPI150

Main To Repeat
Repeat To Main
Minitron Arc Count (MARC) RST-C
05
Main To Repeat
Repeat To Main
Stuck Tool Indicator, Total (STIT)
0ft50

Main To Repeat
Repeat To Main
Formation Sigma (Neutron Capture Cross Section) (SIGM) RST-C
60cu0
Main To Repeat
Repeat To Main
Weighted Inelastic Ratio (WINR_RST) RST-C
00.4
Main To Repeat
Repeat To Main
Gross Inelastic Count Rate Far Detector Filtered (INFD_FIL) RST-C
100001/s0
Main To Repeat
Repeat To Main
Inelastic Ratio Filtered (IRAT_FIL) RST-C
0.750
Main To Repeat
Repeat To Main
Thermal Decay Porosity (TPHI) RST-C
0.6ft3/ft30
Main To Repeat
Repeat To Main
Far Detector Effective Unregulated Capture Count Rate (RSCF_RST) RST-C
450
Main To Repeat
Repeat To Main
Near Detector Effective Unregulated Capture Count Rate (RSCN_RST) RST-C
450
Main To Repeat
Repeat To Main
Capture to Inelastic Ratio Near Filtered (CIRN_FIL) RST-C
2.50
Main To Repeat
Repeat To Main
Capture to Inelastic Ratio Far Filtered (CIRF_FIL) RST-C
50
Main To Repeat

Calibration Report

RST-C (Reservoir Saturation Pro Tool C) Calibration - Run 1

Primary Equipment :							
RSC Acquisition Cartridge				RSC-E		381	

RST IC Tank Calibration - RST IC Tank Calibration

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Spectral Acquisition Time Calibration Coefficient - 0	s	Master	----	----	----	----	
Near Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Far Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Near Windows Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Far Windows Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Near IC Mode Capture Optimization Resolution Degradation Factor Calibration Coefficient - 0		Master	----	----	----	----	
Far IC Mode Capture Optimization Resolution Degradation Factor Calibration Coefficient - 0		Master	----	----	----	----	
Near Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Far Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Near Photomultiplier High Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Far Photomultiplier High Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Minitron Measured Beam Current Calibration Coefficient - 0	uA	Master	----	----	----	----	
Grid Current Peak Calibration Coefficient - 0	mA	Master	----	----	----	----	
Minitron Measured Extractor Current Calibration Coefficient - 0	uA	Master	----	----	----	----	
Minitron Measured High Voltage Calibration Coefficient - 0	kV	Master	----	----	----	----	
Near Instantaneous Count Rate Calibration Coefficient - 0	kHz	Master	----	----	----	----	
Near/Far Count Rate Ratio Calibration Coefficient - 0		Master	----	----	----	----	

RST IC Tank Check - RST IC Tank Check

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Spectral Acquisition Time Calibration Coefficient	s	Master			NOT DONE		
Near Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Far Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Near Windows Carbon/Oxygen Ratio		Master	----	----	----	----	

Calibration Coefficient - 0							
Far Windows Carbon/Oxygen Ratio Calibration Coefficient - 0		Master	----	----	----	----	
Near IC Mode Capture Optimization Resolution Degradation Factor Calibration Coefficient - 0		Master	----	----	----	----	
Far IC Mode Capture Optimization Resolution Degradation Factor Calibration Coefficient - 0		Master	----	----	----	----	
Near Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Far Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Near Photomultiplier High Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Far Photomultiplier High Voltage Setting Echo Calibration Coefficient - 0	V	Master	----	----	----	----	
Minitron Measured Beam Current Calibration Coefficient - 0	uA	Master	----	----	----	----	
Grid Current Peak Calibration Coefficient - 0	mA	Master	----	----	----	----	
Minitron Measured Extractor Current Calibration Coefficient - 0	uA	Master	----	----	----	----	
Minitron Measured High Voltage Calibration Coefficient - 0	kV	Master	----	----	----	----	
Near Instantaneous Count Rate Calibration Coefficient	kHz	Master			NOT DONE		
Near/Far Count Rate Ratio Calibration Coefficient		Master			NOT DONE		

RST Sigma Tank Check - RST Sigma Tank Check

Master (Measured): 14:57:24 17-Jul-2015

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Spectral Acquisition Time Calibration Coefficient	s	Master		300.0	300.3		
Near/Far Capture Ratio Calibration Coefficient		Master	0.980	0.930	0.982	1.030	
Sigma Formation Near Apparent Calibration Coefficient - 0	1/m	Master	----	----	----	----	
Sigma Formation Far Apparent Calibration Coefficient - 0	1/m	Master	----	----	----	----	
Near Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient	V	Master	3.500	2.445	3.700	4.555	
Far Pulse Shape Compensation Voltage Setting Echo Calibration Coefficient	V	Master	3.325	2.095	2.433	4.555	
Near Photomultiplier High Voltage Setting Echo Calibration Coefficient	V	Master	1400.000	1100.000	1145.795	1700.000	
Far Photomultiplier High Voltage Setting Echo Calibration Coefficient	V	Master	1400.000	1100.000	1183.172	1700.000	
Minitron Measured Beam Current Calibration Coefficient	uA	Master	75.000	50.000	85.102	100.000	
Grid Current Peak Calibration Coefficient	mA	Master	60.000	58.000	60.036	62.000	
Minitron Measured Extractor Current Calibration Coefficient	uA	Master	499.500	0	0.000	999.000	
Minitron Measured High Voltage Calibration Coefficient	kV	Master	73.000	50.000	80.028	96.000	
Near Instantaneous Count Rate Calibration Coefficient	kHz	Master	400.000	340.000	349.576	460.000	
Near/Far Count Rate Ratio Calibration Coefficient		Master	1.300	1.000	1.471	1.600	

PSTP-A (PSP Telemetry Platform A - Sapphire) Calibration - Run 1

Primary Equipment :	PBMS-A	PBMS-A	1963
Calibration Parameter :	JIG-BKGD (Jig minus background reference)	160	

PBMS Gamma Ray Check - PBMSA Gamma Ray Accumulations

Before (Measured): 18:51:55 21-Jul-2015

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
GR Zero Average	gAPI	Before	30	0	78.13891	120	
GR Zero Standard Deviation	gAPI	Before			30.56431		
GR Zero Max Deviation	gAPI	Before			140.6766		

GR Zero Max Deviation	gAPI	Before			140.8700		
GR Plus Average	gAPI	Before			224.6834		
GR Plus Standard Deviation	gAPI	Before			55.97226		
GR Plus Max Deviation	gAPI	Before			187.2046		
Jig-Background	gAPI	Before	160	145	154.2119	175	

PBMS Well Temp Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_RTD_THERM RTD Coefficients
(Master)

	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tt**0	-1418.501	1118.407	-362.1241	56.89739	-3.317989	0

PBMS Gamma Ray Master Calibration

Master (EEPROM): 00:00:00 01-Dec-2003

PBMS_GR_MODEL GR Coefficients
(Master)

	Rt**0	Rt**1
Rt**0	2000	4740

PBMS A Reference Clock Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_REF_CLOCK PBMS A Clock Coefficients
(Master)

	Temp**0	Temp**1	Temp**2	Temp**3	Temp**4	Temp**5
Temp**0	45.0069	-9.445683	-0.02744274	0.0002354008	3.654205E-06	0

PBMS A Sapphire Master Calibration

Master (EEPROM): 00:00:00 12-May-2005

PBMS_P_GAUGE_PRES Sapphire Pressure Model Coefficients
(Master)

	Tt**0	Tt**1	Tt**2	Tt**3	Tt**4	Tt**5
Tp**0	4187.029	-3429.79	773.3541	-119.1729	7.244876	0
Tp**1	698.9312	545.2234	21.97955	-3.948855	0.2235462	0
Tp**2	-6.430802	9.633142	-3.005254	0	0	0
Tp**3	-2.550163	0.6971294	0	0	0	0
Tp**4	0	0	0	0	0	0
Tp**5	0	0	0	0	0	0

PBMS_P_GAUGE_TEMP Sapphire Temperature Model Coefficients
(Master)

	Tp**0	Tp**1	Tp**2	Tp**3	Tp**4	Tp**5
Tt**0	-293.9637	10.31608	-5.693609	1.308318	-0.1107738	0
Tt**1	63.53009	-2.347224	1.230874	-0.2610083	0.02165993	0
Tt**2	8.593975	0.03386374	-0.01621674	0	0	0
Tt**3	-0.487141	0.005250175	0	0	0	0
Tt**4	0	0	0	0	0	0
Tt**5	0	0	0	0	0	0

Company:	Caerus Piceance LLC	Schlumberger
Well:	Puckett SWD H2-797	
Field:	Wildcat	
County:	Garfield	
State:	Colorado	
Reservoir Saturation Tool		
Sigma		