

Company: Mustang Creek Operating LLC

Well: Graham 1 13

Field: Wildcat

County: El Paso State: Colorado

Platform Express

Compensated Neutron Log

LithoDensity

County:	El Paso			
Field:	Wildcat			
Location:	SHL: NWSW 1814' FSL & 934' FWL			
Well:	Graham 1 13			
Company:	Mustang Creek Operating LLC			
Location:		SHL: NWSW 1814' FSL & 934' FWL	Elev.:	K.B. 6124.00 ft
		Section 1, Township 13S, Range 60W		G.L. 6102.00 ft
		Lat: 38.946070, Long: -104.068480		D.F. 6123.00 ft
		Permanent Datum:	Ground Level	Elev.: 6102.00 f
		Log Measured From:	Kelly Bushing	22.00 ft above Perm.Datum
		Drilling Measured From:	Kelly Bushing	
		API Serial No.	Section: 1	Township: 13S Range: 60W
		05-041-06082-00		

Logging Date	07-Feb-2014		
Run Number	Run 1		
Depth Driller	10985.00 ft		
Schlumberger Depth	10954.00 ft		
Bottom Log Interval	10954.00 ft		
Top Log Interval	5044.00 ft		
Casing Driller Size @ Depth	9.625 in @ 5050.00 ft		
Casing Schlumberger	5044 ft		
Bit Size	7.875 in		
Type Fluid In Hole	Chemical Gel		
Density	9.3 lbm/gal	60 s	
Fluid Loss	4.4 cm3	7.8	
Source of Sample	Active Tank		
RM @ Meas Temp	1.3 ohm.m @ 90 degF		
RMF @ Meas Temp	0.99 ohm.m @ 90 degF		
RMC @ Meas Temp	1.66 ohm.m @ 90 degF		
Source RMF	Calculated	Calculated	
RM @ BHT	0.55 @ 220	0.42 @ 220	
Max Recorded Temperatures	220 degF		
Circulation Stopped	06-Feb-2014	18:00:00	
Logger on Bottom	07-Feb-2014	05:25:20	
Unit Number	2135	Fort Morgan, CO	
Recorded By	Max Pace		
Witnessed By	Chris Hansen		

Disclaimer

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

Contents

- 1. Header
- 2. Disclaimer
- 3. Contents
- 4. Well Sketch
- 5. Borehole Size/Casing/Tubing Record
- 6. Borehole Fluids
- 7. Remarks and Equipment Summary
- 8. Depth Summary
- 9. Composite 1 5" Porosity
 - 9.1 Integration Summary
 - 9.2 Software Version
 - 9.3 Composite Summary
 - 9.4 Log (KM 5in Porosity)
 - 9.5 Parameter Listing
- 10. Run 1 5" Porosity Repeat
 - 10.1 Composite Summary
 - 10.2 Log (KM 5in Porosity RA)

11. Composite 1 5" Density

11.1 Integration Summary

11.2 Software Version

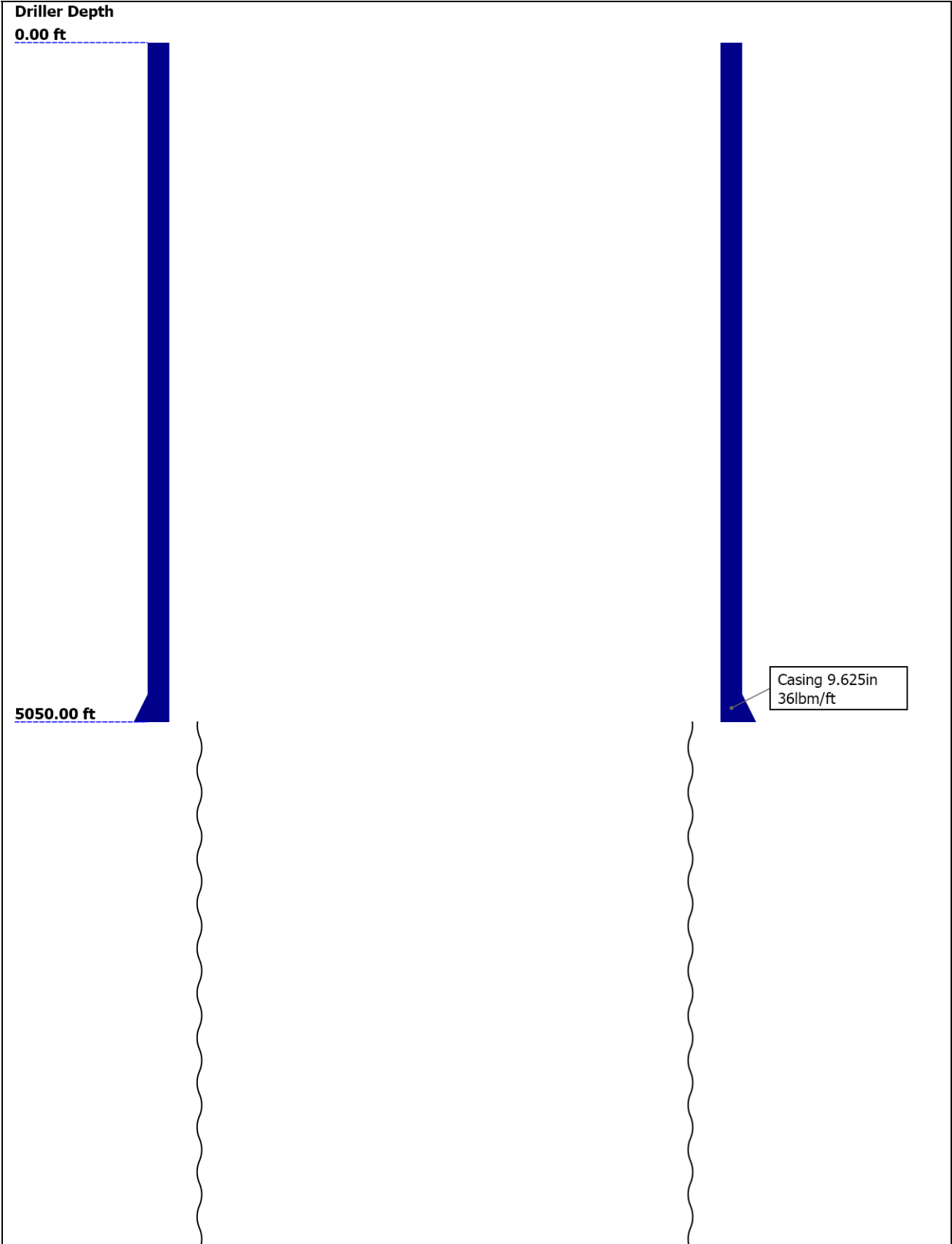
11.3 Composite Summary

11.4 Log (KM 5in Density)

11.5 Parameter Listing

12. Tail

Well Sketch



10985.00 ft

Open Hole 7.875in

Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	7.875					
Top Driller (ft)	5050					
Top Logger (ft)	5044					
Bottom Driller (ft)	10985					
Bottom Logger (ft)	10954					
Casing						
Size (in)	9.625					
Weight (lbm/ft)	36					
Inner Diameter (in)	8.921					
Grade	J55					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	5050					
Bottom Logger (ft)	5044					

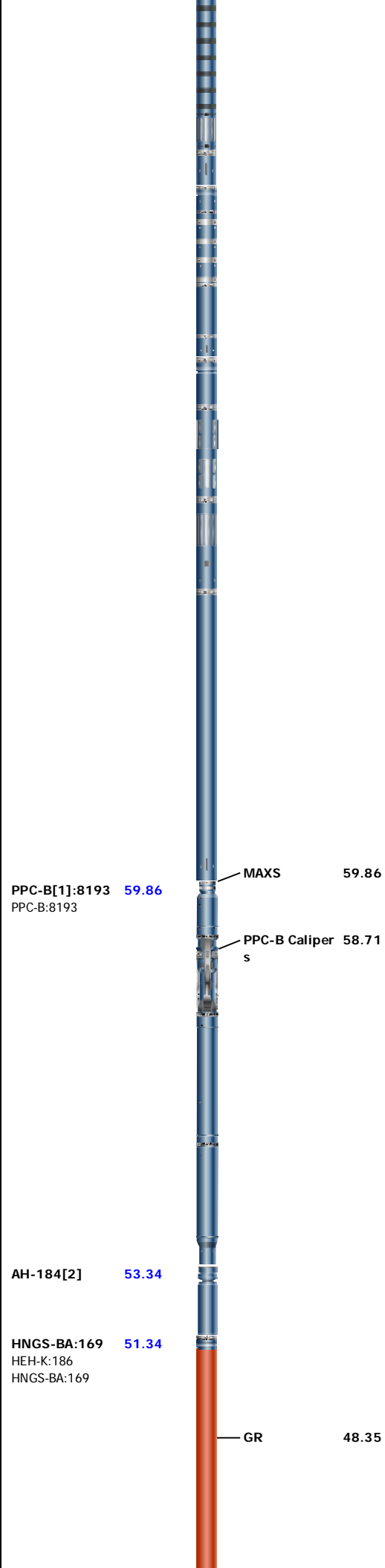
Borehole Fluids

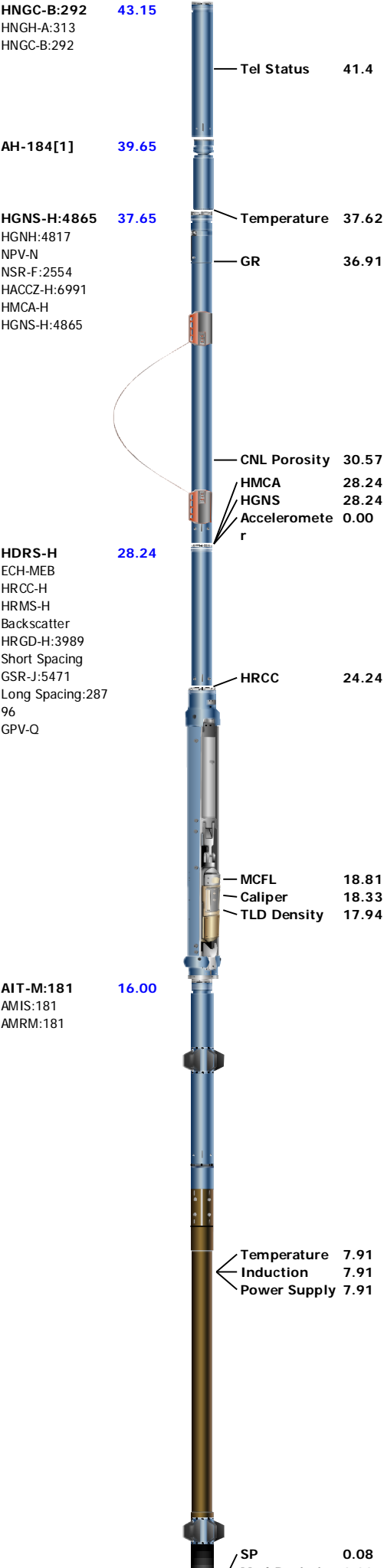
Parameter(unit)	Run 1					
Fluid Type	Water					
Fluid Name	Chemical Gel					
Max Recorded Temperatures (degF)	220					
Source of Sample	Active Tank					
Salinity (ppm)	0					
Density (lbm/gal)	9.3					
Funnel Viscosity (s)	60					
Fluid Loss (cm3)	4.4					
PH	7.8					
Date/Time Circulation Stopped	06-Feb-2014 18:00:00					
Date Logger on Bottom	07-Feb-2014					
Time Logger on Bottom	05:25:20					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	1.3 @ 90					
RMF @ Meas Temp (ohm.m@degF)	0.99 @ 90					

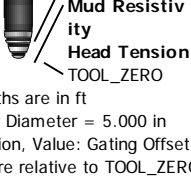
RMC @ Meas Temp (ohm.m@degF)	1.66 @ 90					
RM @ BHT (ohm.m@degF)	0.55 @ 220					
RMF @ BHT (ohm.m@degF)	0.42 @ 220					
RMC @ BHT (ohm.m@degF)	0.71 @ 220					
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary

Run 1: Toolstring				Run 1: Remarks
Equip name LEH-QT LEH-QT	Length 117.08	MP name	Offset	All Schlumberger depth control procedures followed
				IDW used as primary depth reference
				Z chart used as secondary depth reference
EDTC-B EDTH-B EDTG-A EDTC-B	114.16			Limestone matrix (2.71 g/cm3) run as per client request
				Measurements effected by borehole rugosity
		CTEM ACCZ HV Gamma Ray TelStatus	110.66 0.00 0.00 108.79 107.66	This is the first run in hole
PPC-B[2]:8195 PPC-B:8195	107.66			Winch shut off at 6165 due to tight pull (500 pounds below MSP)
		PPC-B Caliper s	106.52	Logs spliced at 8500. Client requested change in sonic scanner mode to increase logging speed
MAST-B:8524 ECH-SF:8023 MAPC-BA:8023 MAMS-BA:8524 MASS-BA:8202 MAXS-BA:8078	101.14			
		MAMS	85.7	





<div></div>									
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									
Type		7-46NT-XS							
Serial Number									
Length		24000.00 ft							
Conveyance Type		Wireline							
Rig Type		Land							
Run 1:Depth Control Parameters					Depth Control Remarks				
Log Sequence		First Log In the Well							
Rig Up Length At Surface									
Rig Up Length At Bottom									
Rig Up Length Correction									
Stretch Correction									
Tool Zero Check At Surface									
Composite 1									
5" Porosity									
Software Version									
Acquisition System						Version			
MaxWell						4.0.9163.3000			
Application Patch						Patch-SP-10767_13393-4.0.9163.3001			
Computation		Description					Version		
HENVIR		Computation Ensemble for the HGNS Neutron environmental corrections					4.0.9033.3000		
DepthCorrection		DepthCorrection					4.0.9213.3000		
Tool Elements		Description			Software Version		Firmware Version		
HRCC-H		HILT High-Resolution Control Cartridge, 150 degC			4.0.9231.3000		2.0		
HGNS-H		HILT Gamma-Ray and Neutron Sonde, 150 degC			4.0.9231.3000		2.0		
HRGD-H		HILT Resistivity Gamma-Ray Density Device, 150 degC			4.0.9231.3000		3.0		
Composite Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Main[31:1] In	1 In	8492.45 ft	10972.52 ft	07-Feb-2014	07-Feb-2014	ON	0.00 ft	No

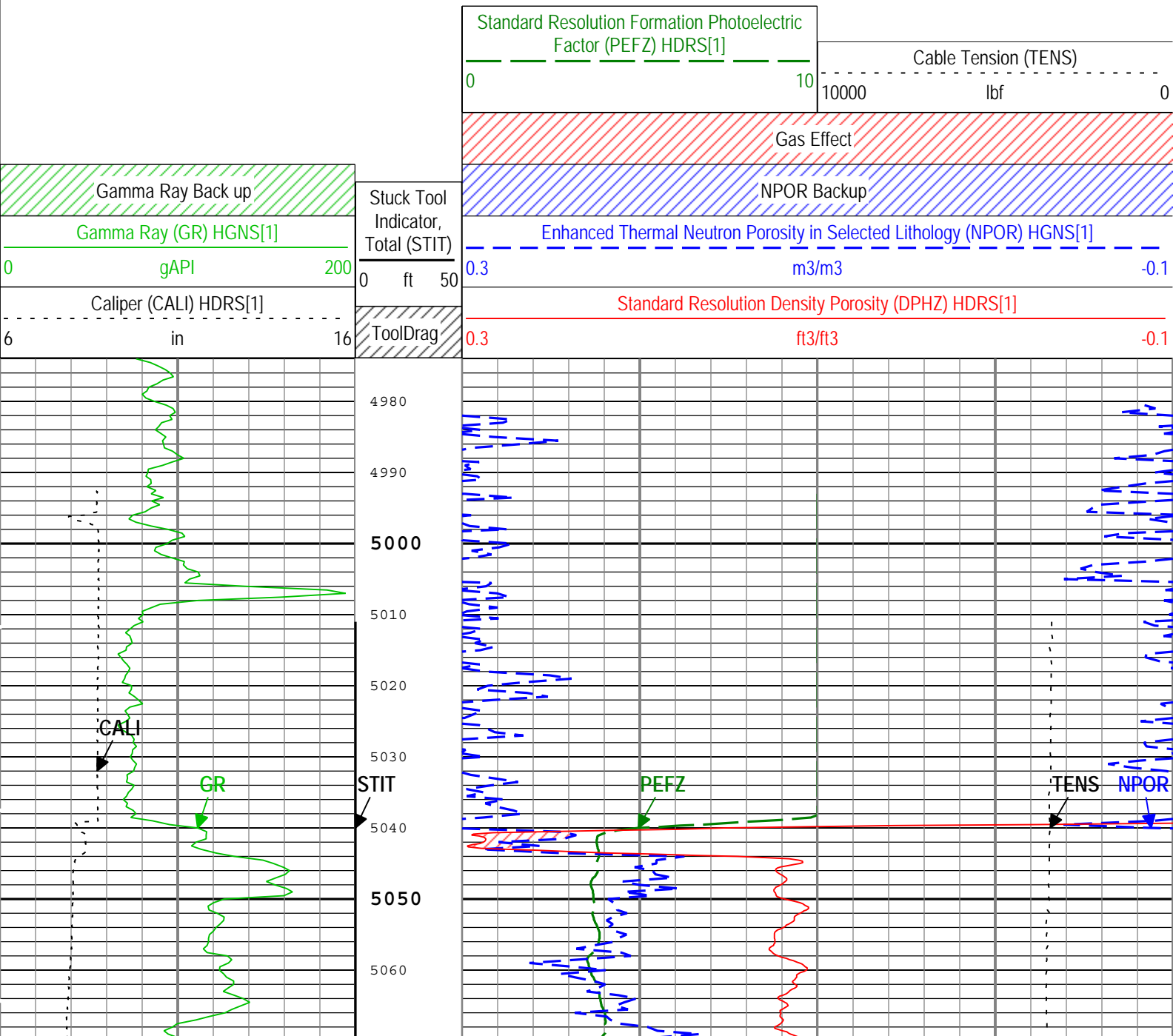
Run 1	Log[4]:Up	Up	5010.65 ft	8717.17 ft	07-Feb-2014 8:48:45 AM	07-Feb-2014 11:14:02 AM	ON	0.00 ft	No
-------	-----------	----	------------	------------	------------------------	-------------------------	----	---------	----

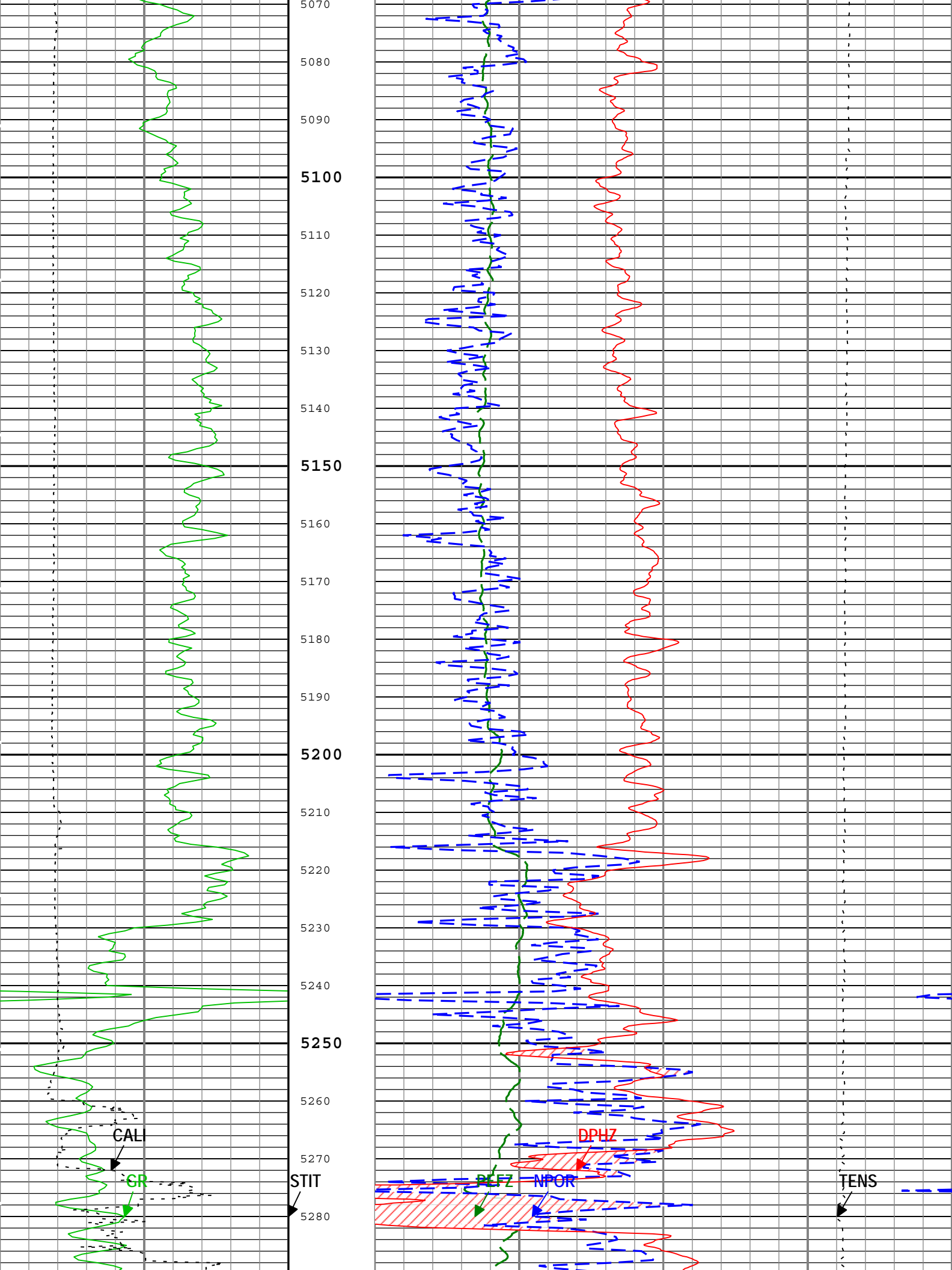
All depths are referenced to toolstring zero	
Log	<div>Company:Mustang Creek Operating LLC</div> <div>Well:Graham 1 13</div> <div>Composite 1:S008</div>

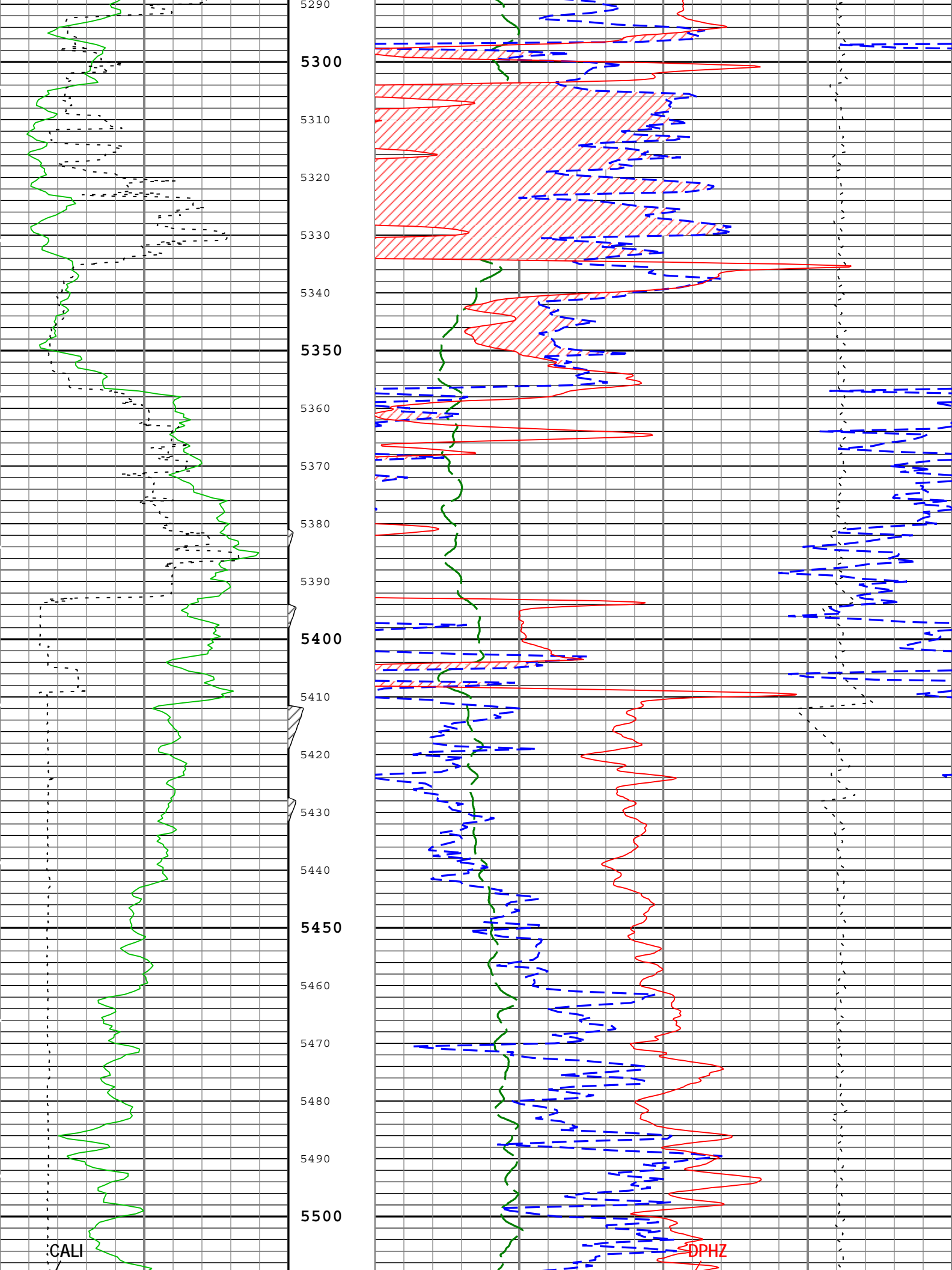
Description: HGNS standard resolution porosities for Platform Express Format: Log (KM 5in Porosity) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 07-Feb-2014 11:59:30

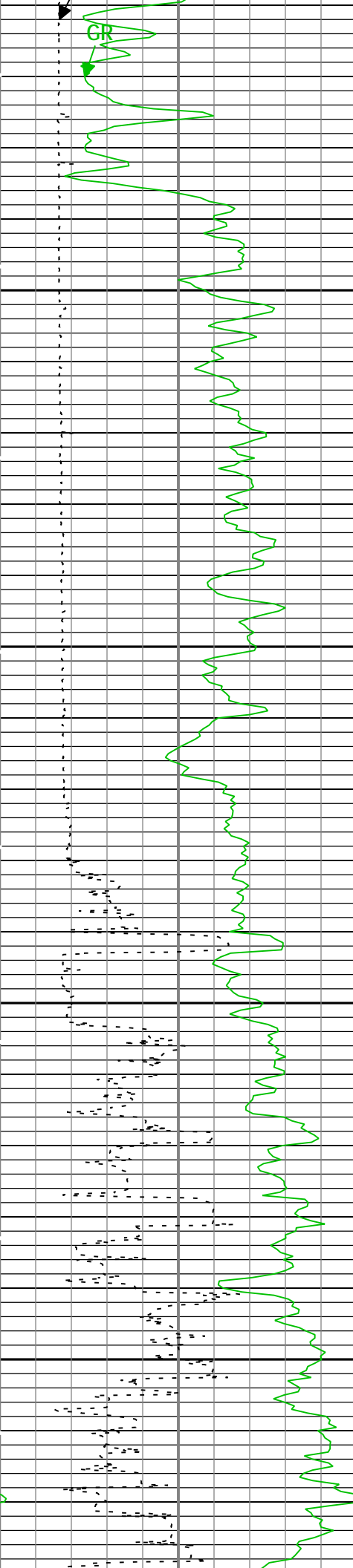
Channel	Source	Sampling
CALI	HDRS[1]:HRCC-H[1]:HRCC-H[1]	1in
DPHZ	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
GR	HGNS[1]:HGNS-H[1]:HGNS-H[1]	6in
NPOR	HGNS[1]:HGNS-H[1]:HGNS-H[1]	6in
PEFZ	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

TIME_1900 - Time Marked every 60.00 (s)

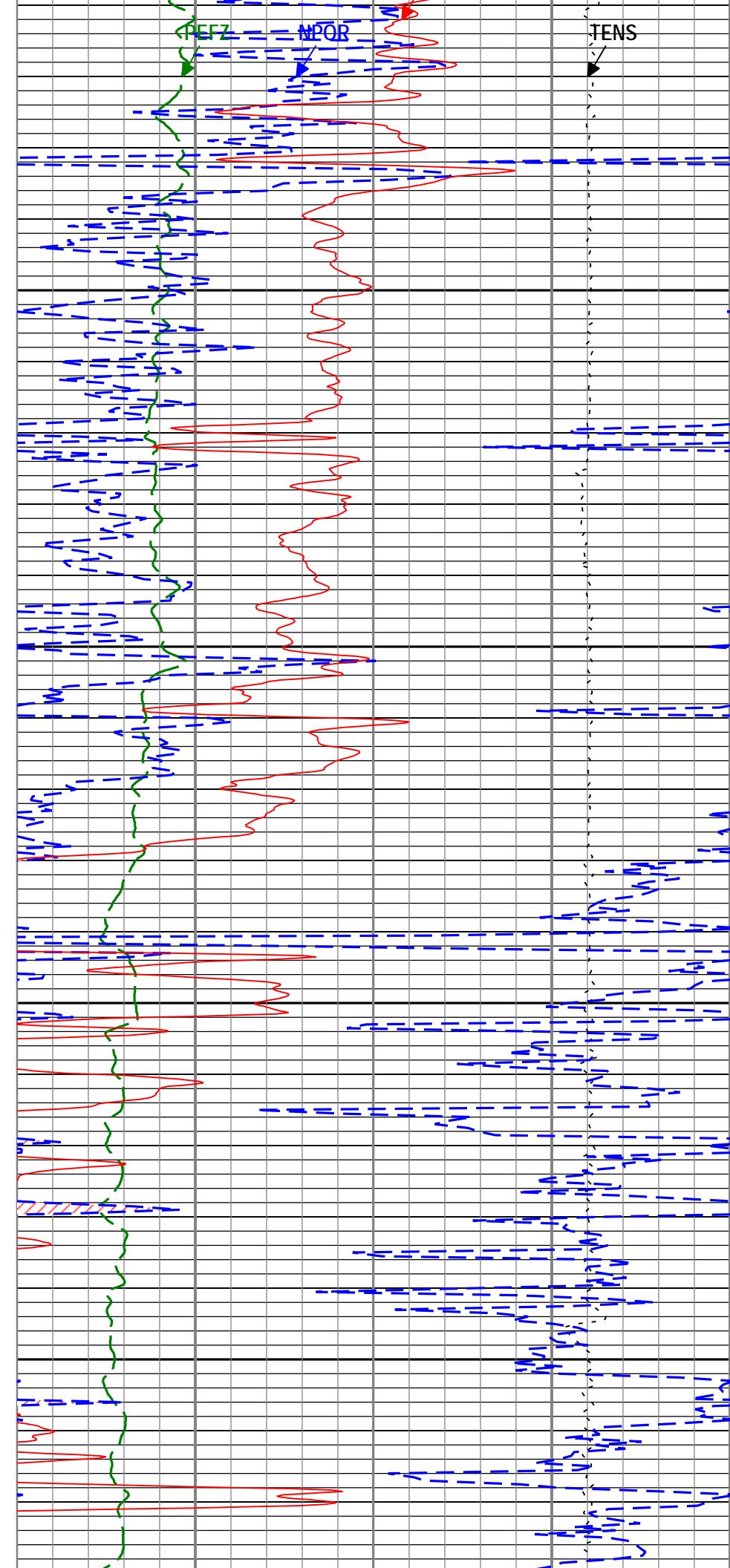


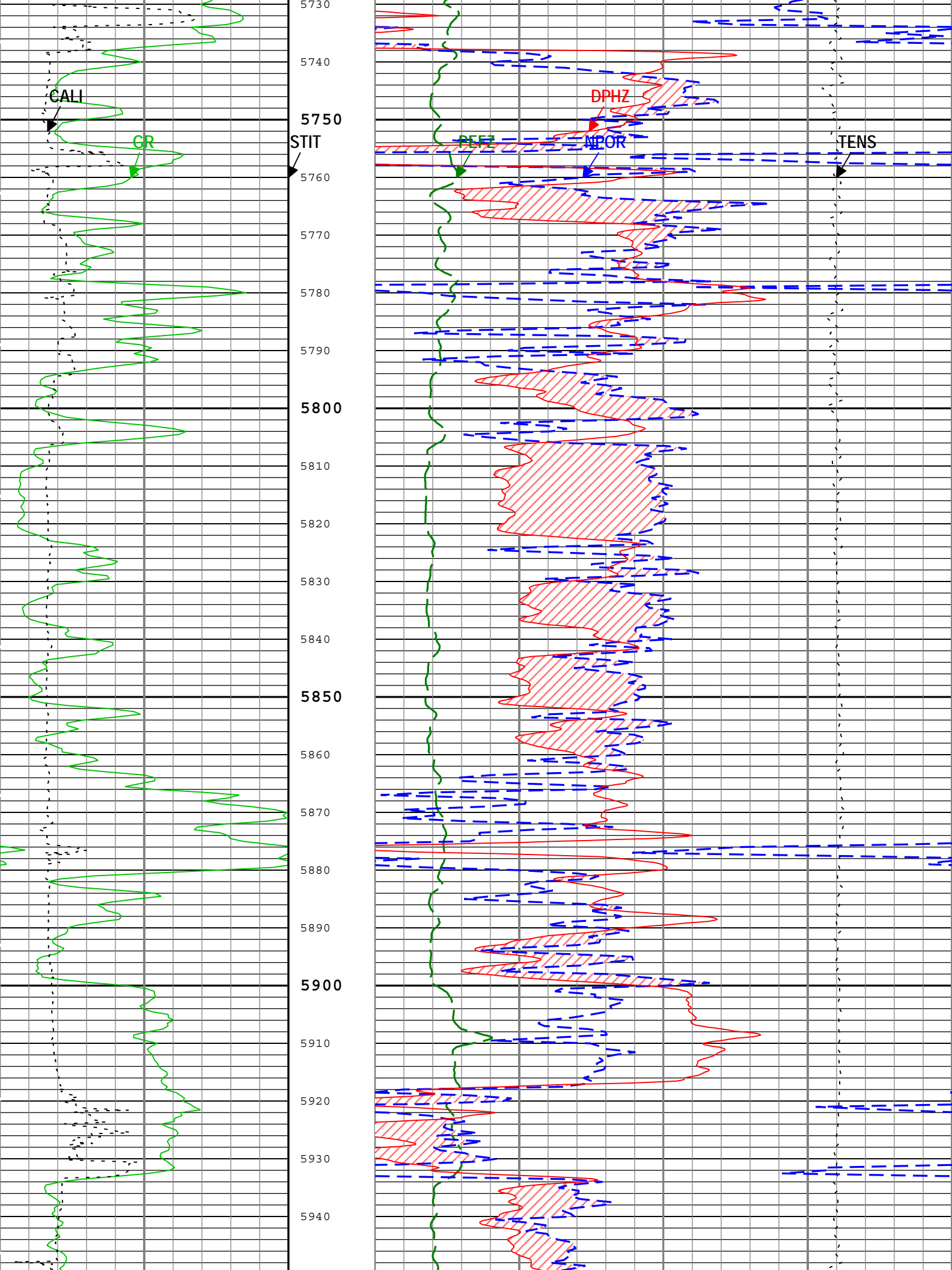


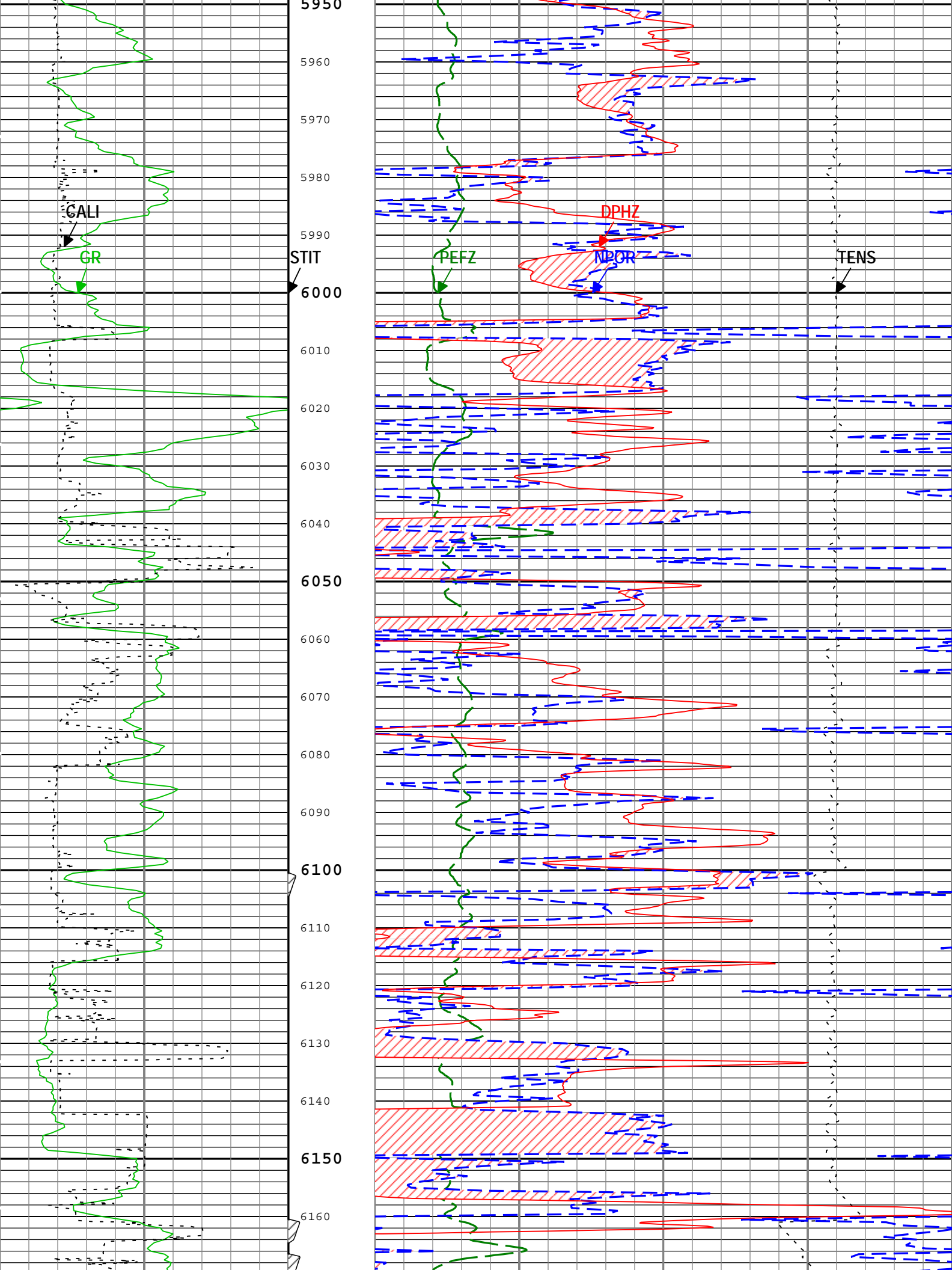


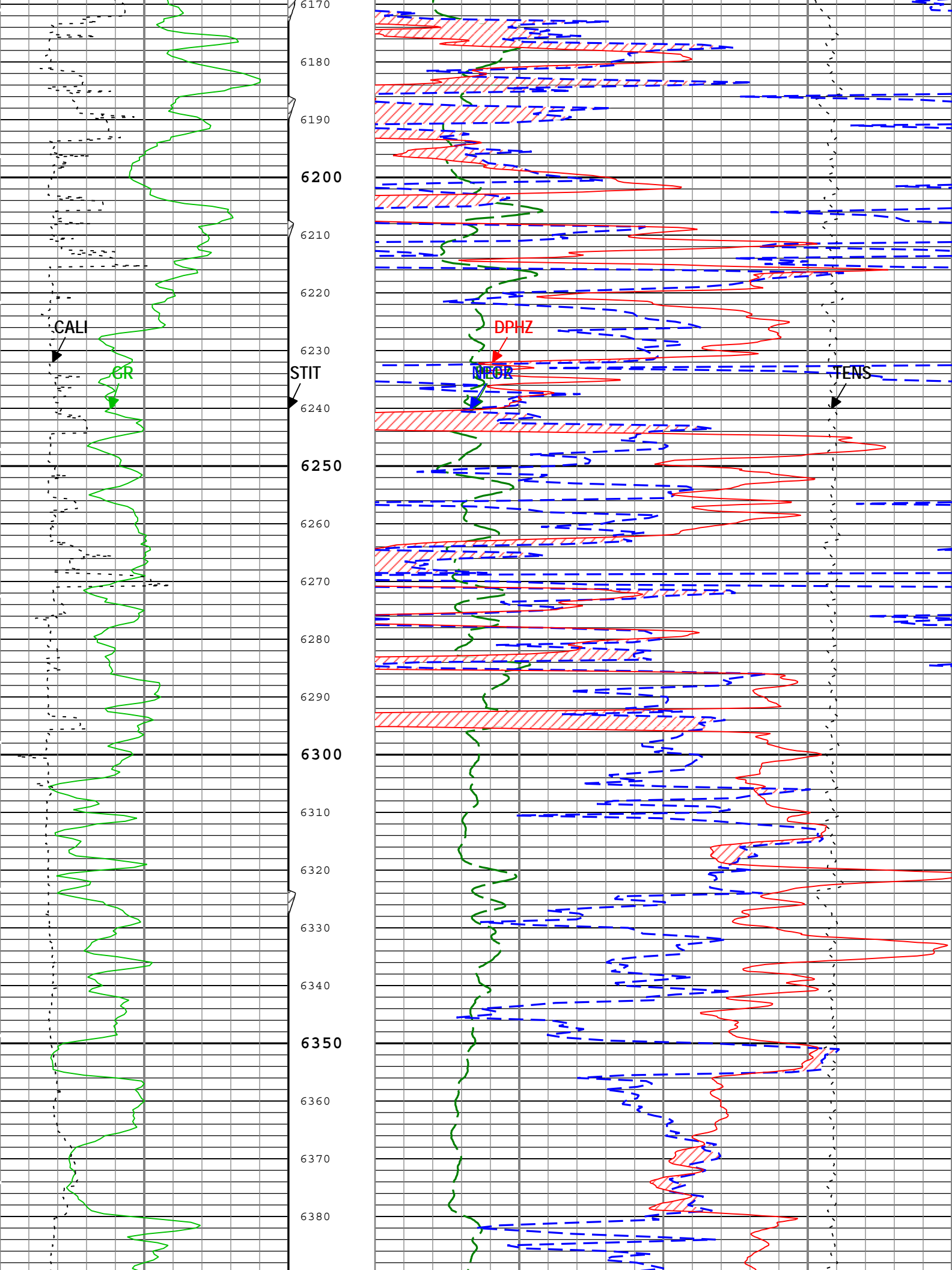


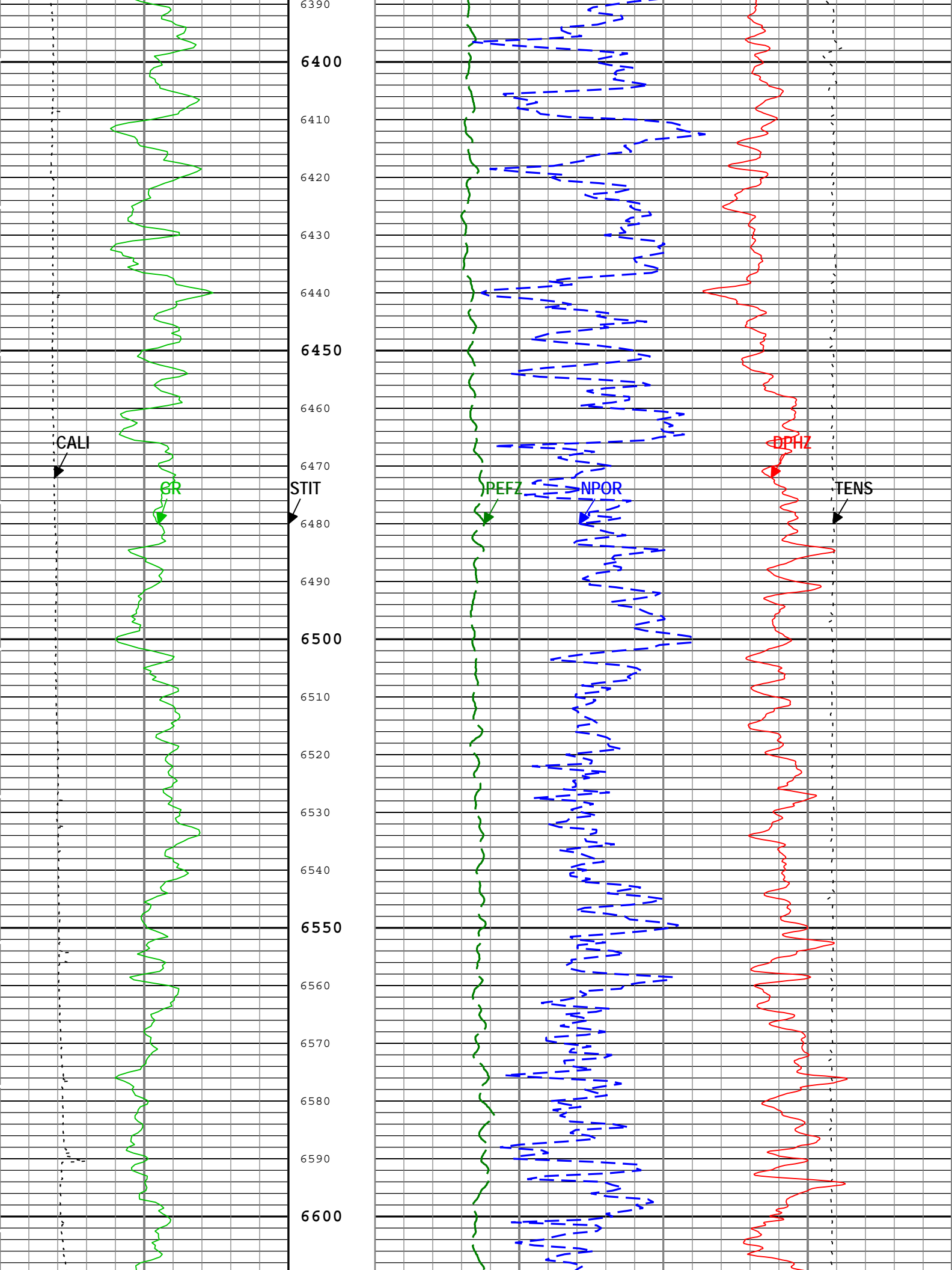
5510
5520
5530
5540
5550
5560
5570
5580
5590
5600
5610
5620
5630
5640
5650
5660
5670
5680
5690
5700
5710
5720

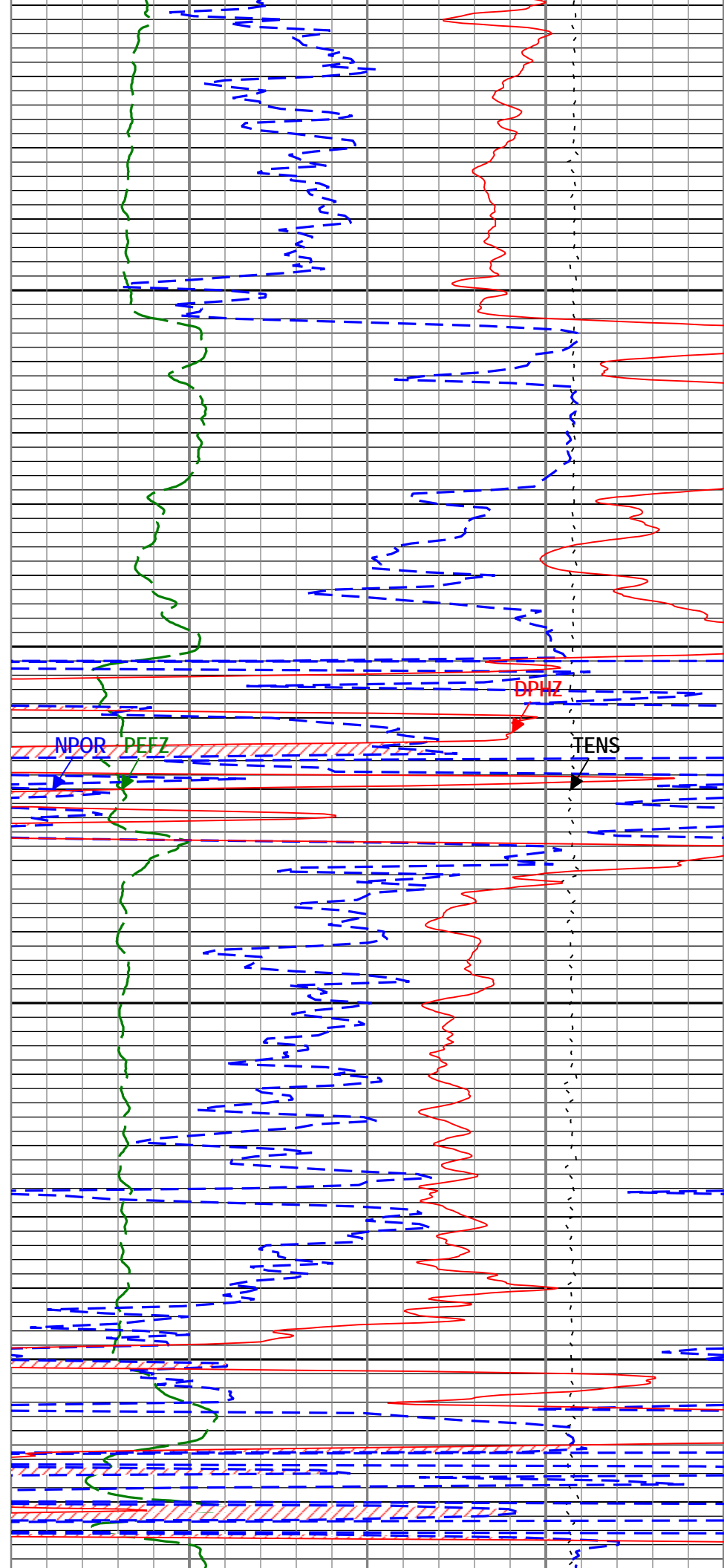
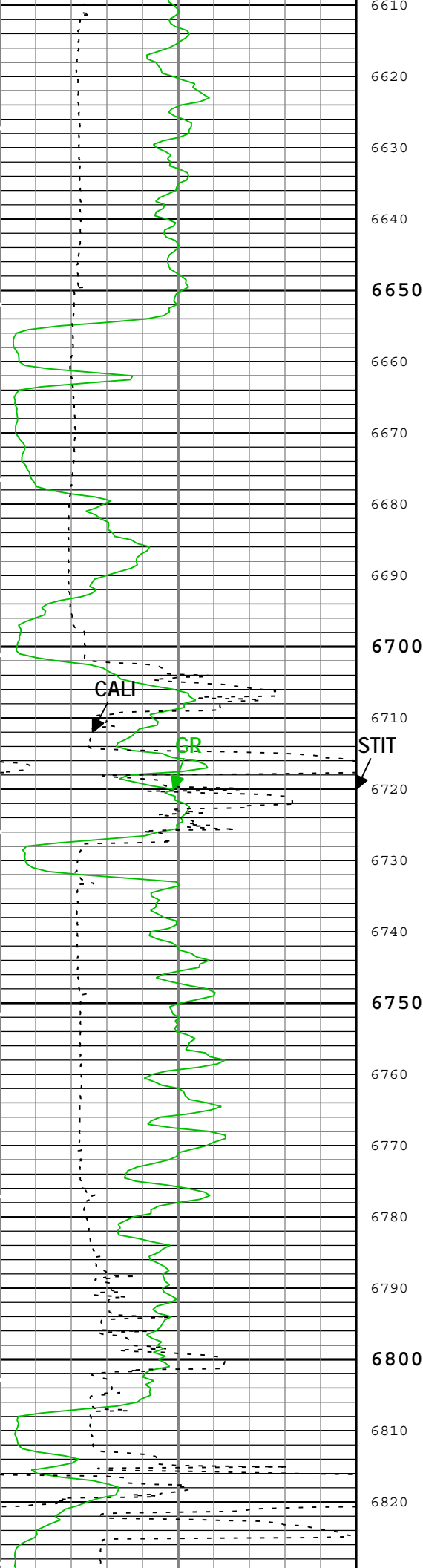


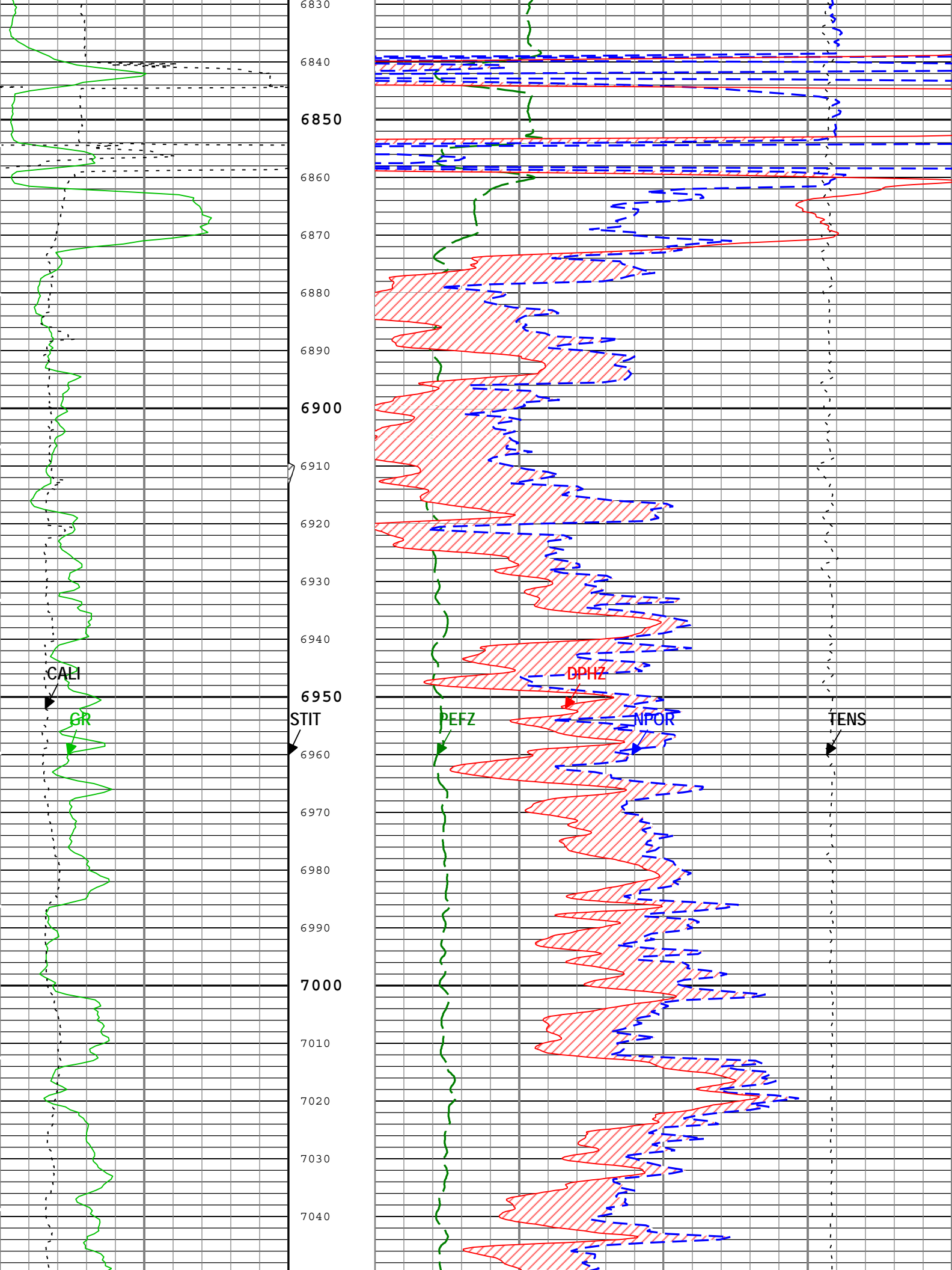


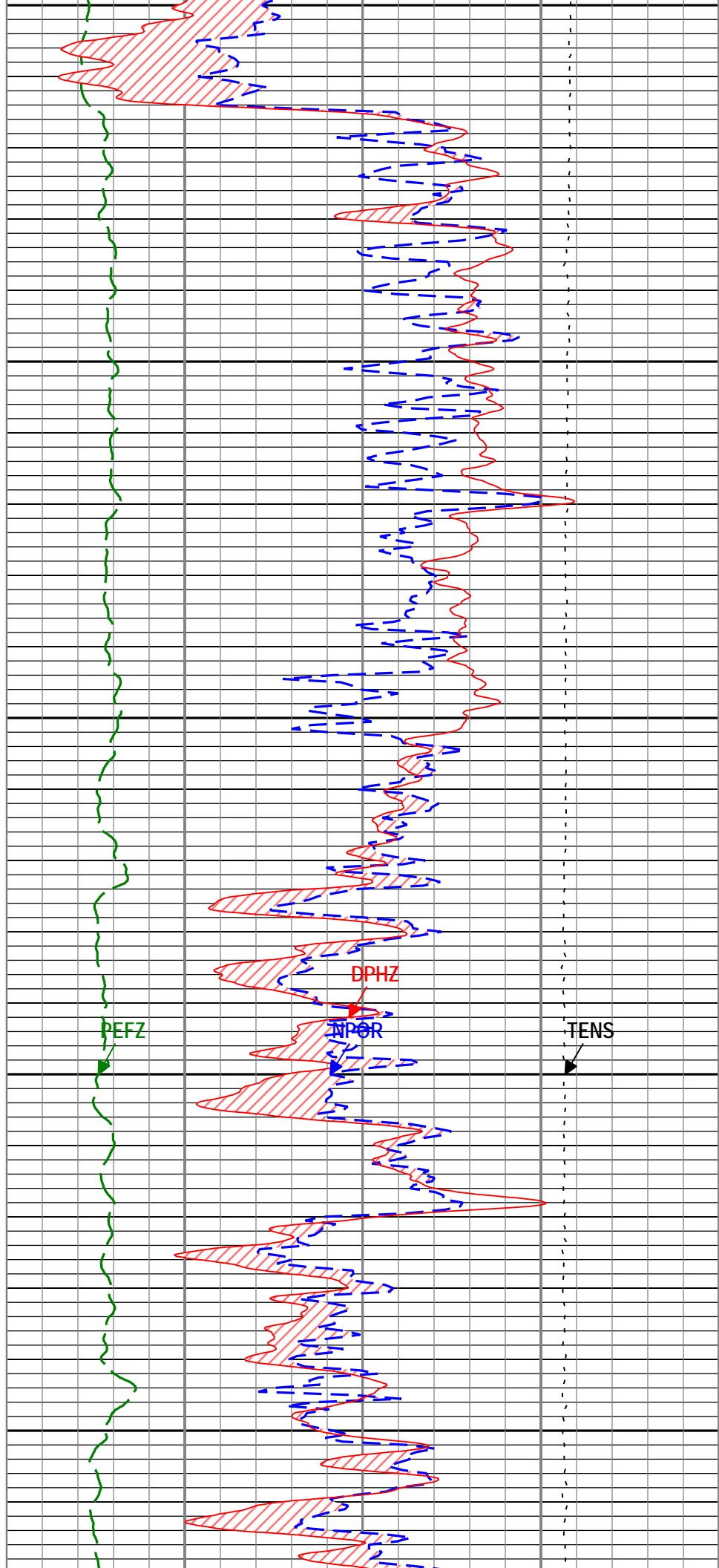
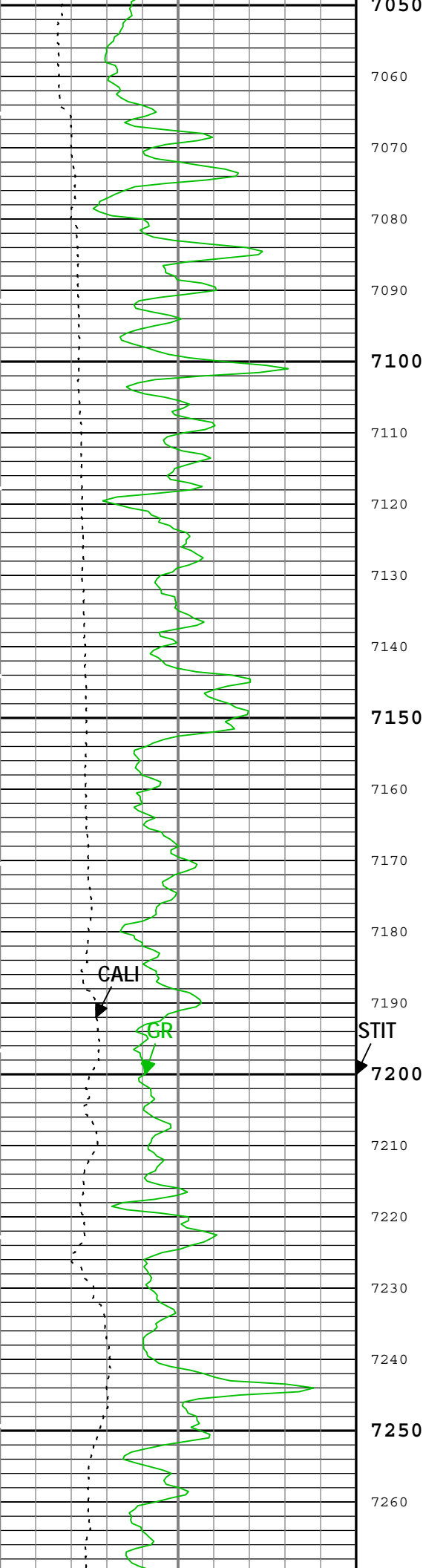


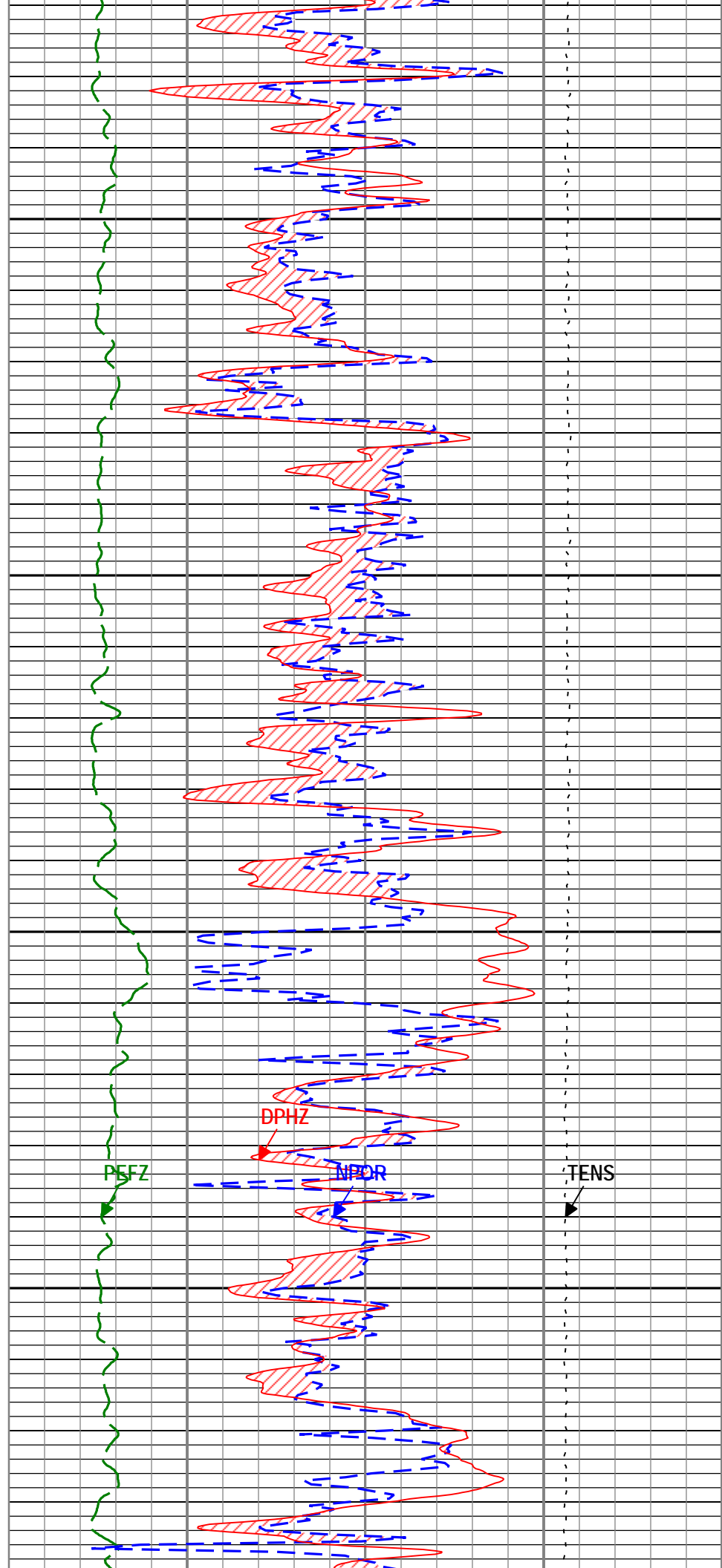
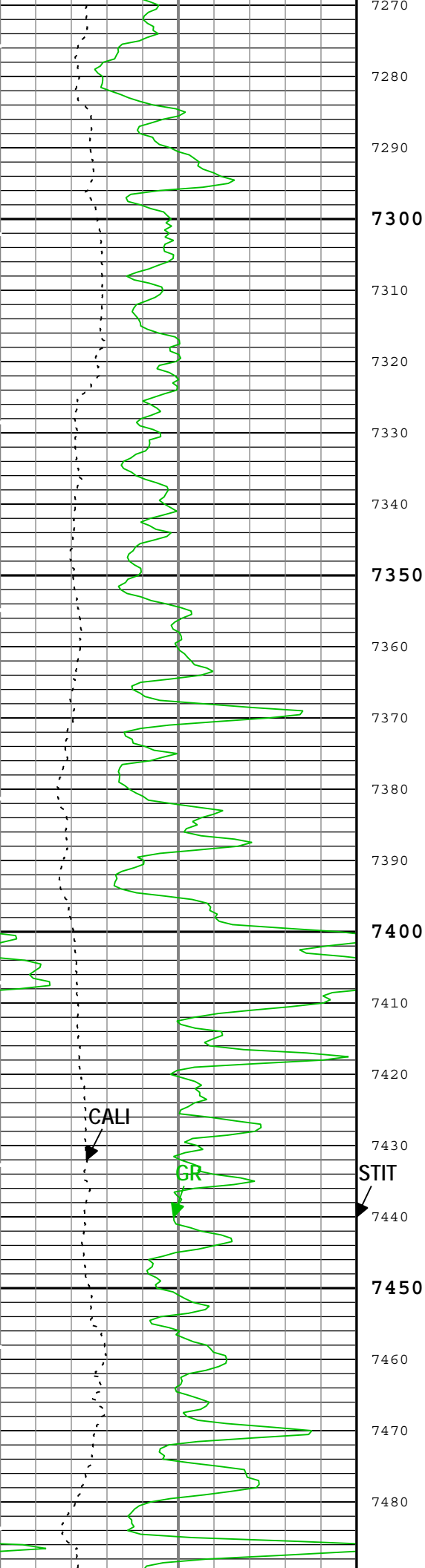


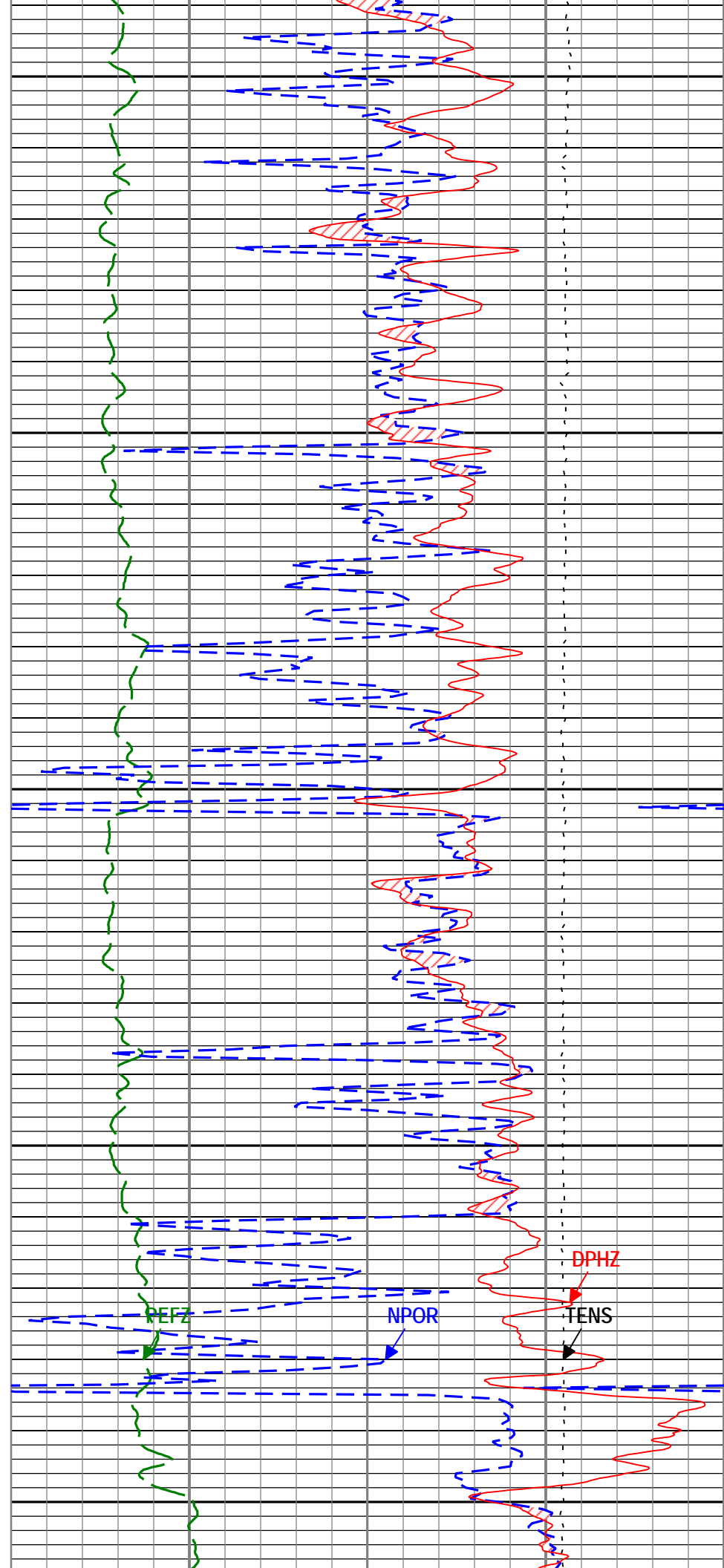
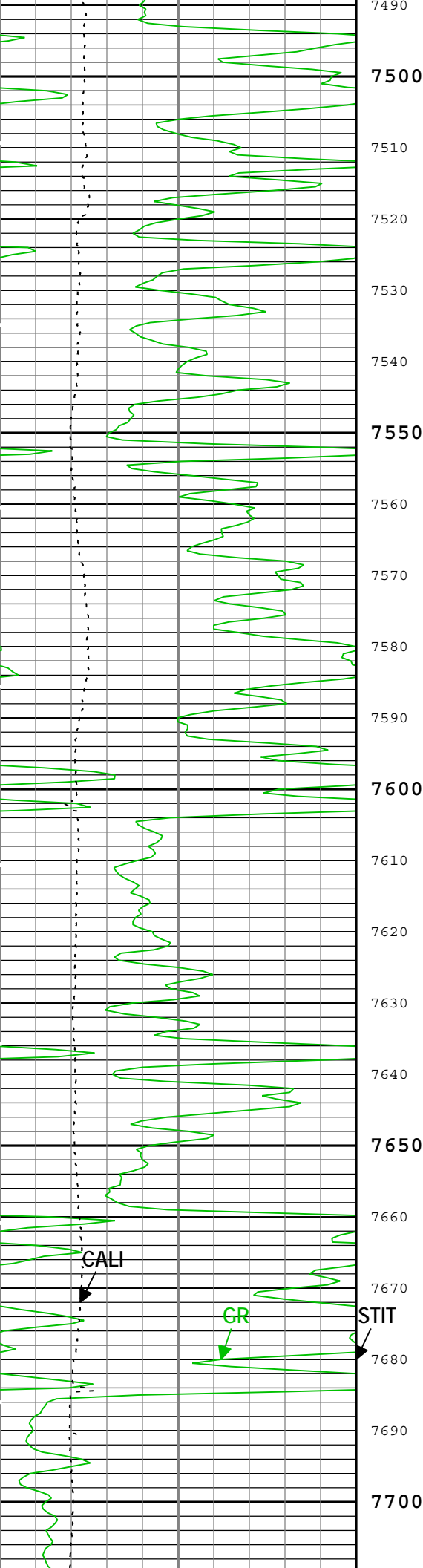


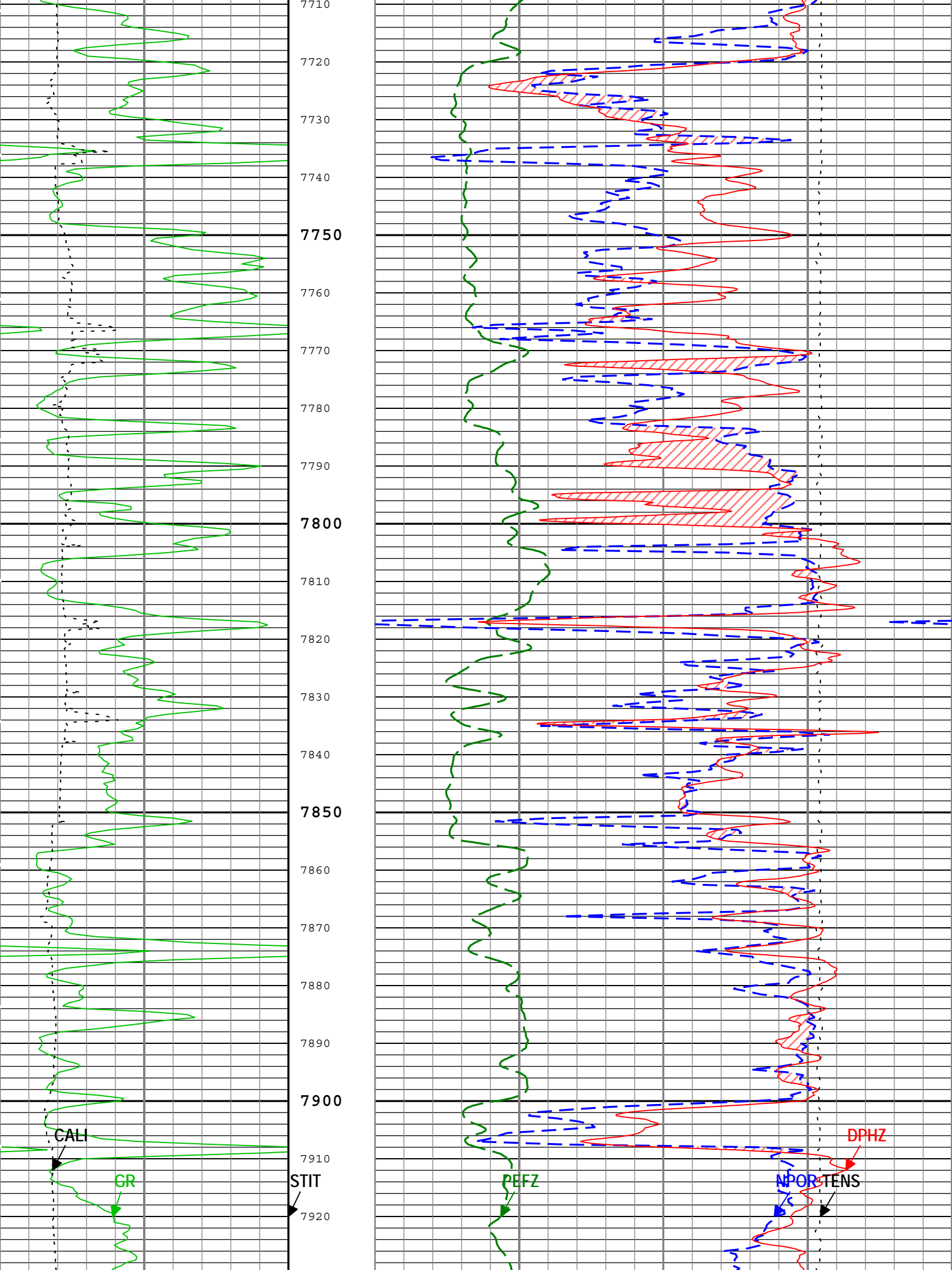


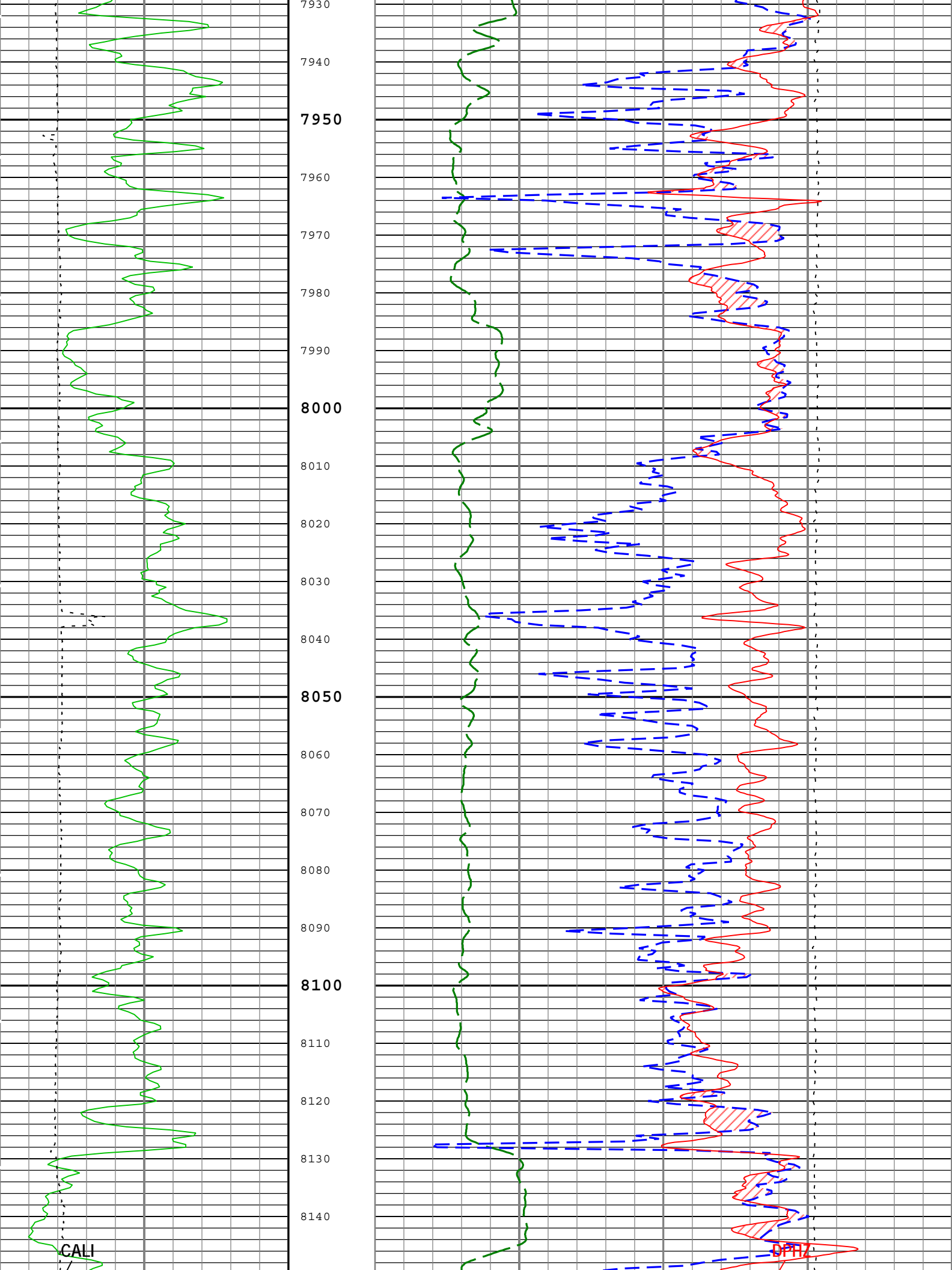


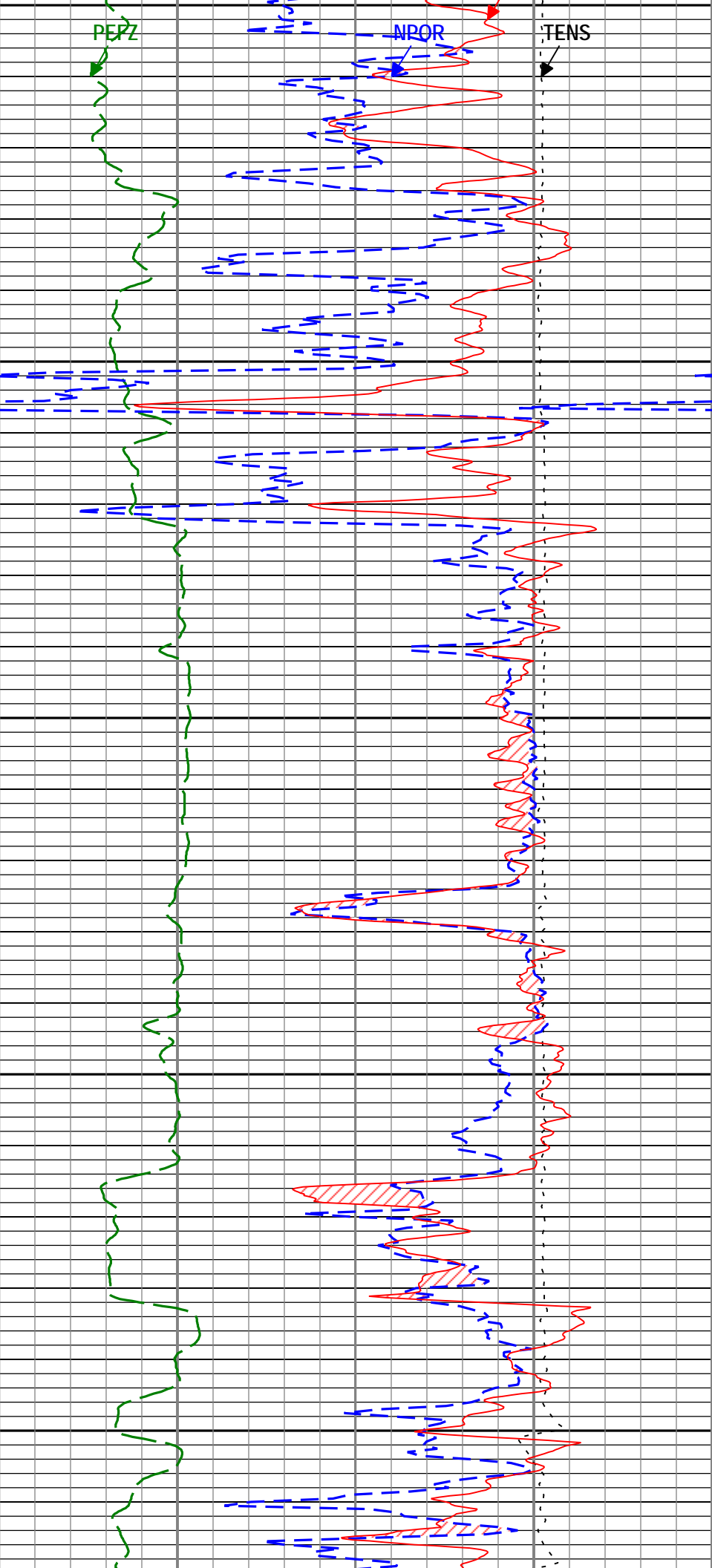
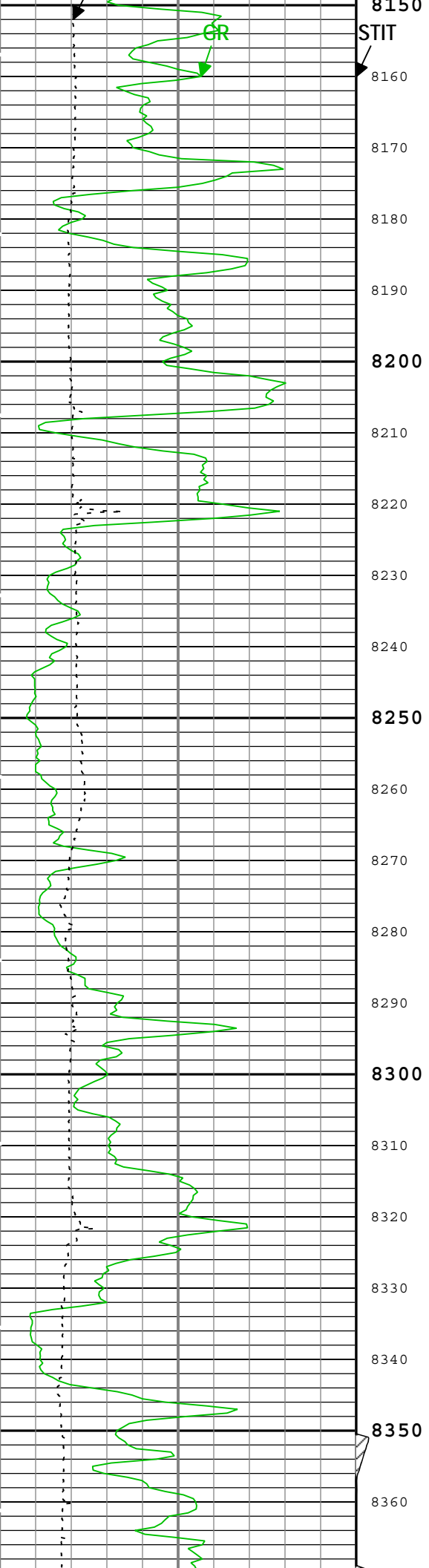


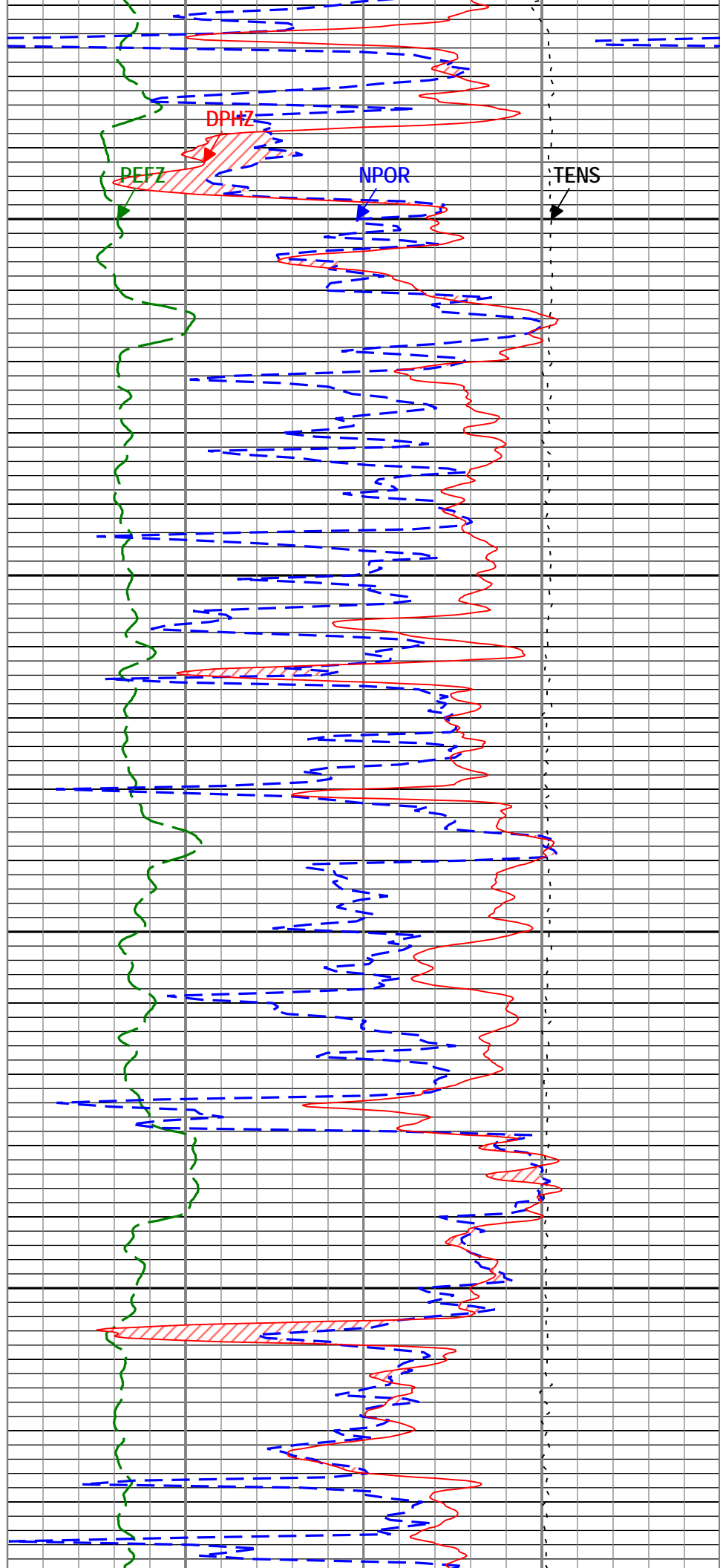
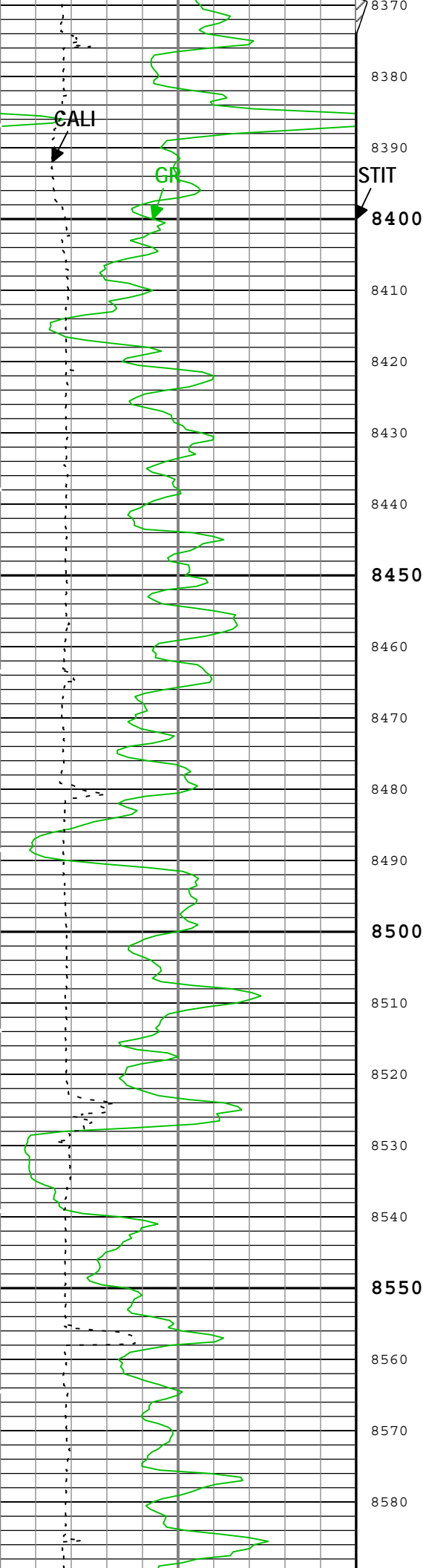


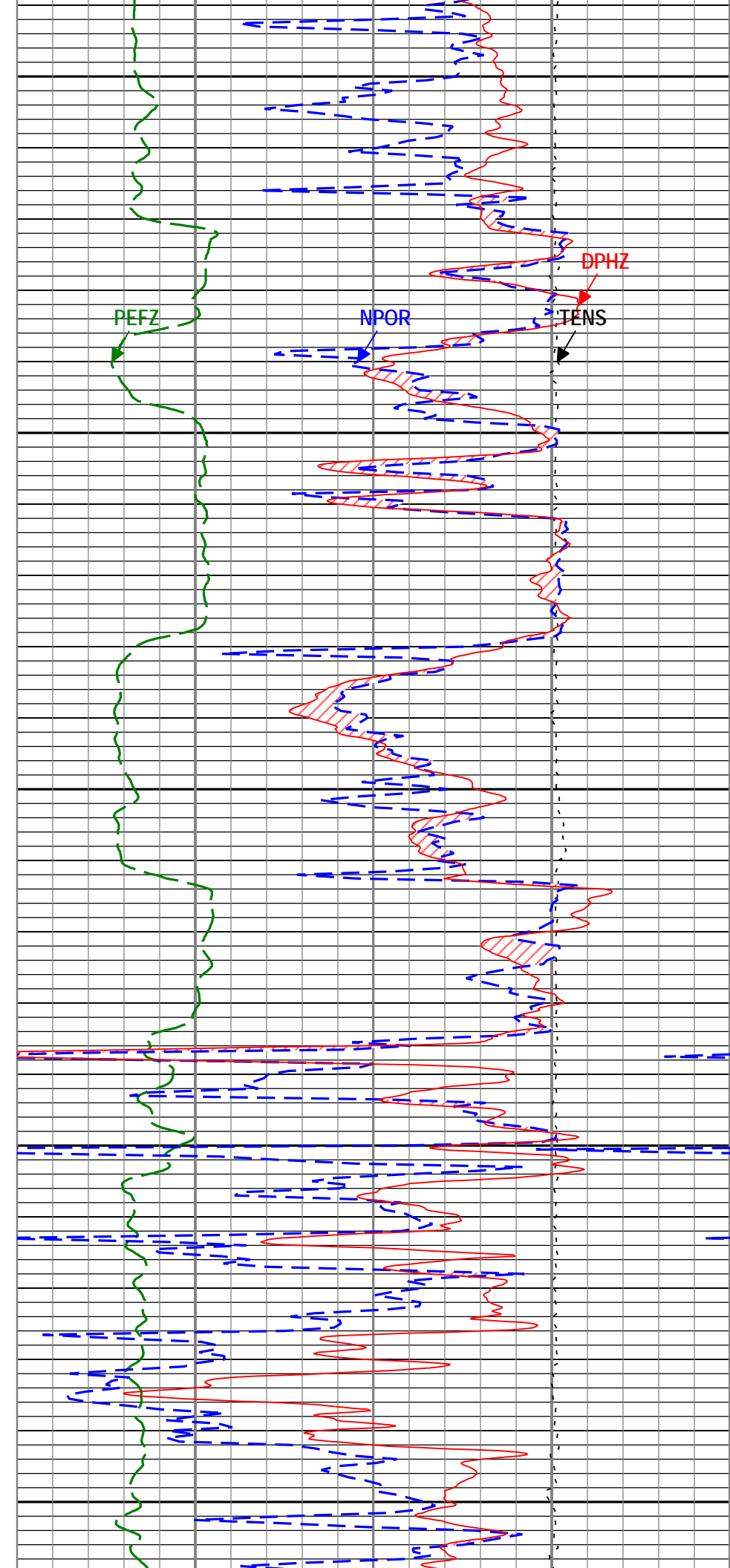
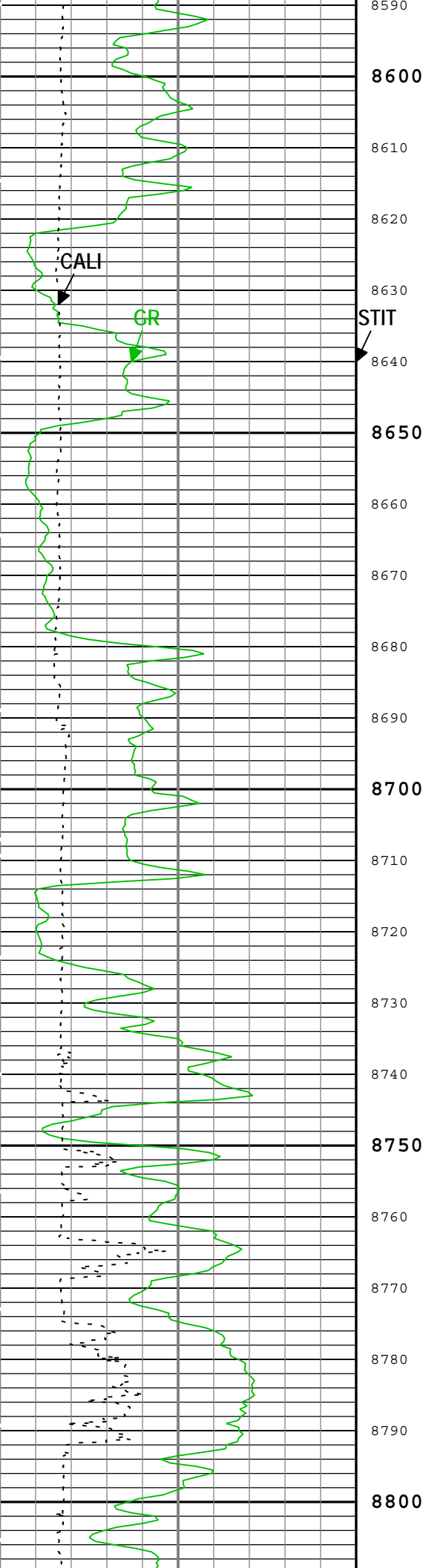


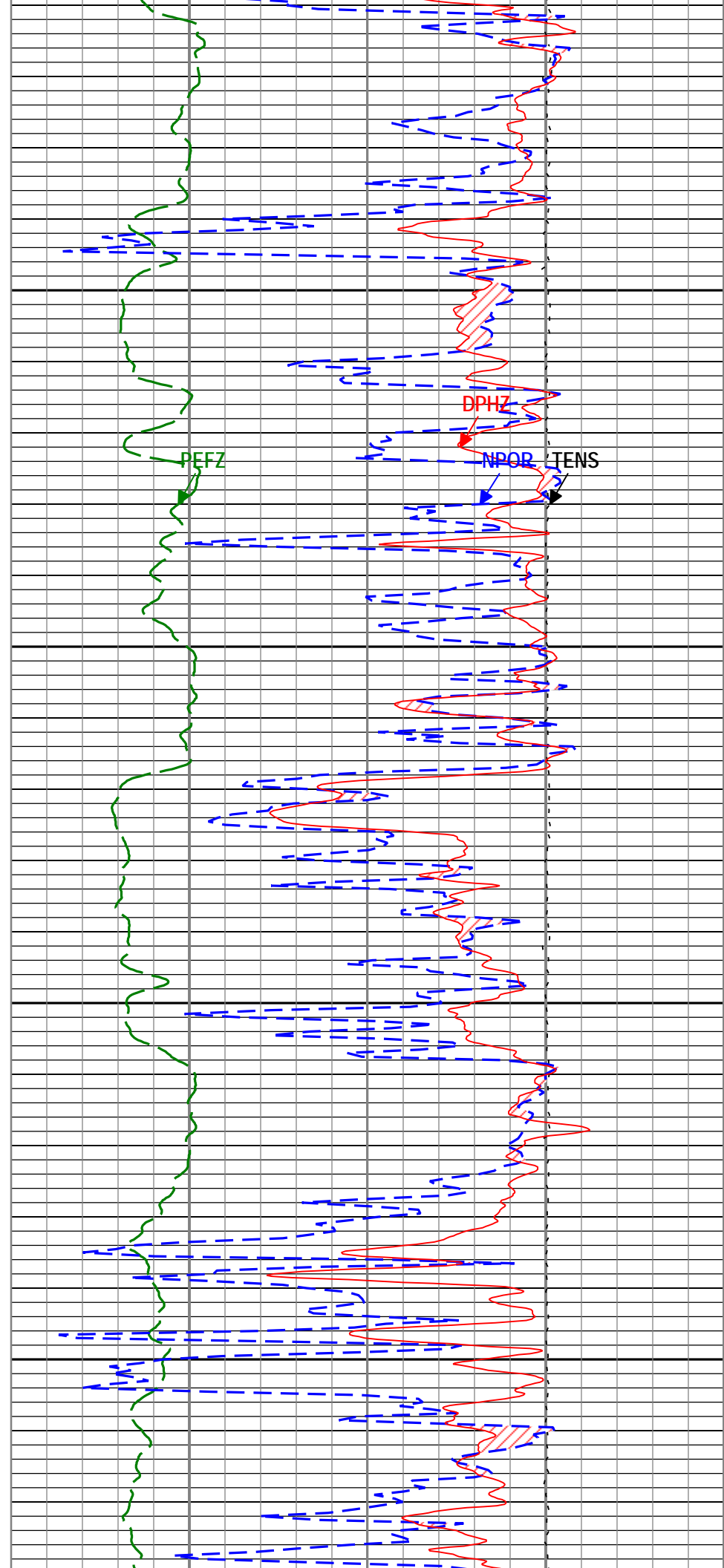
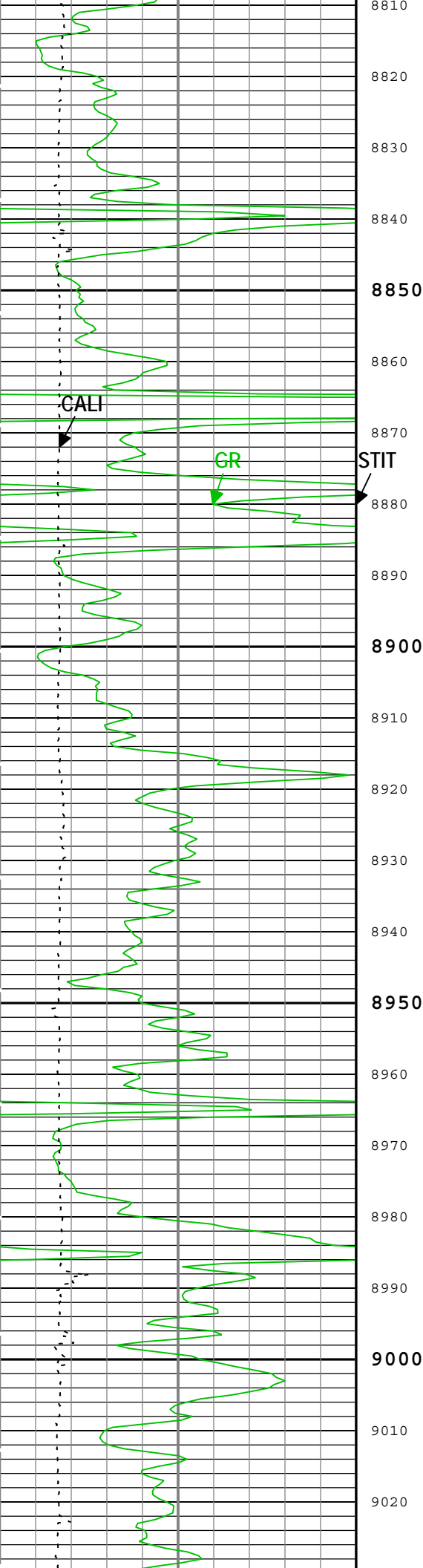


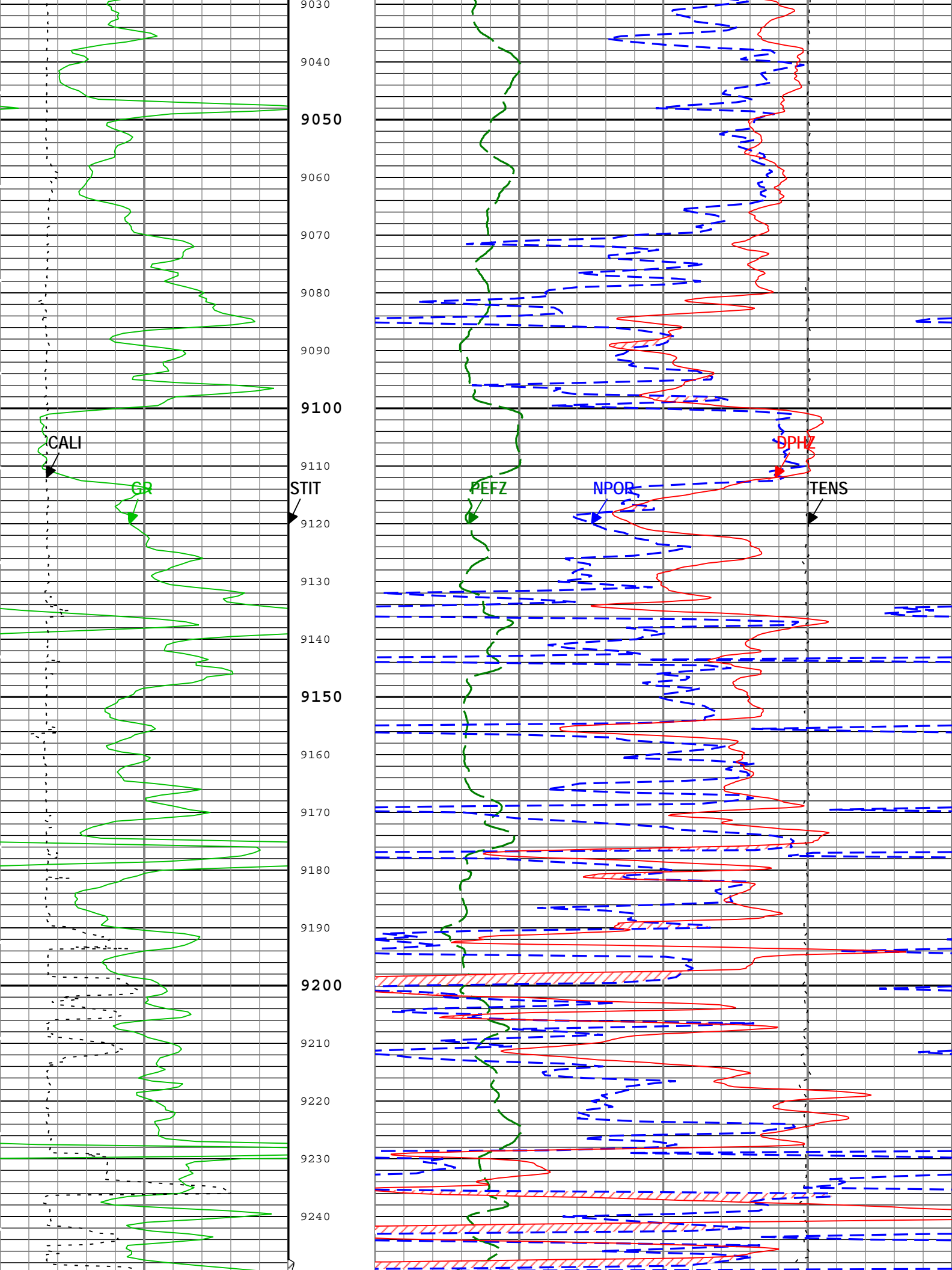


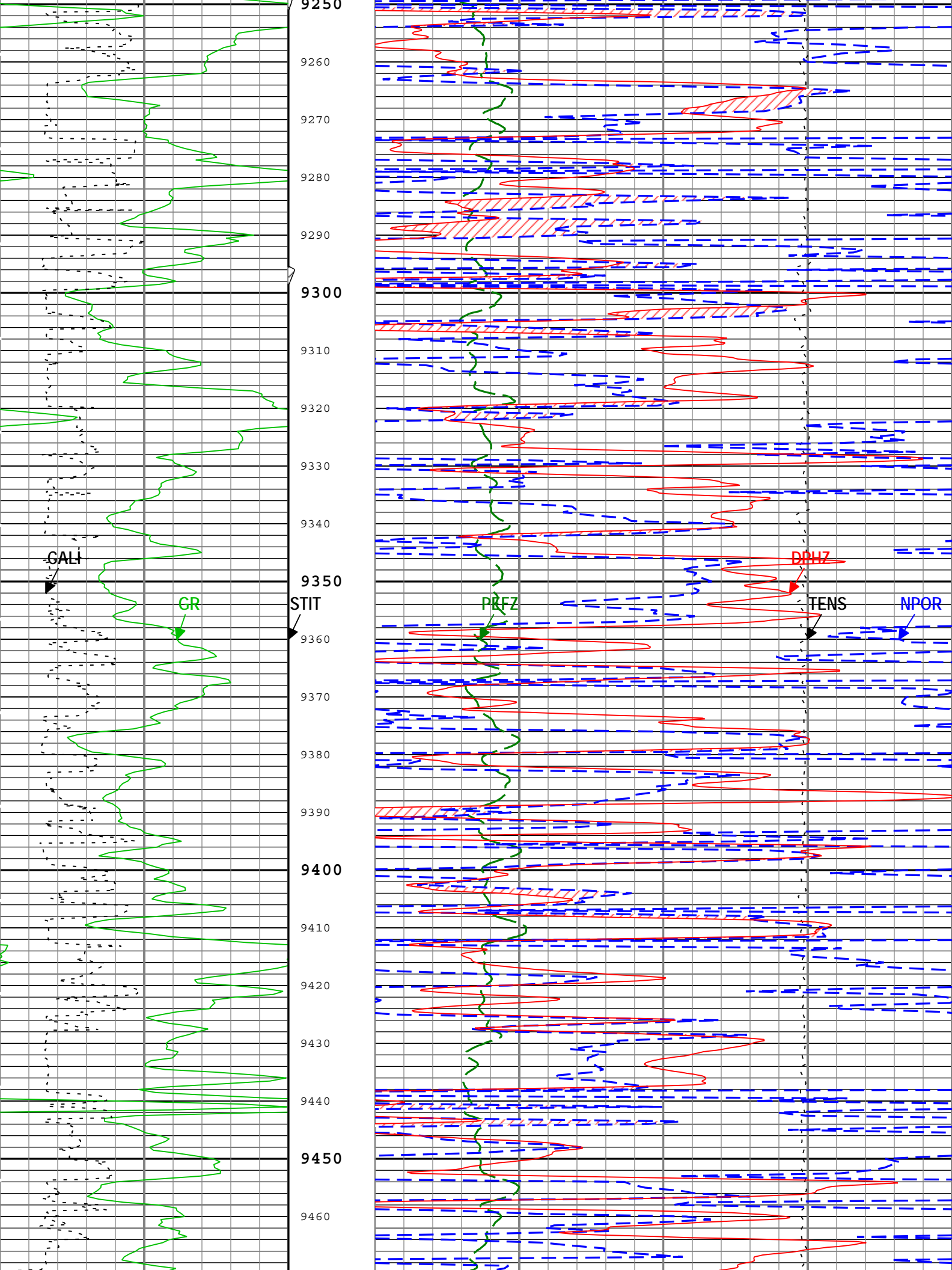


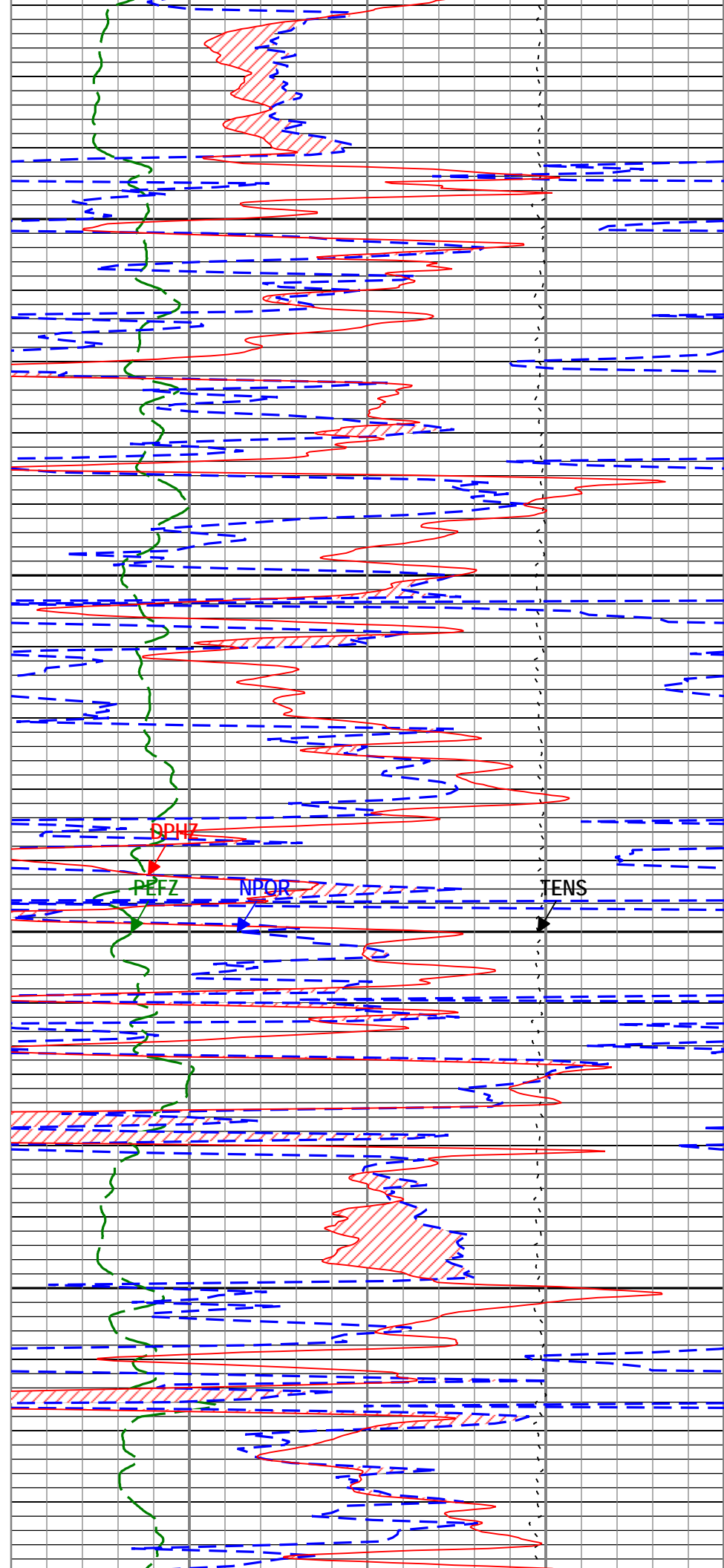
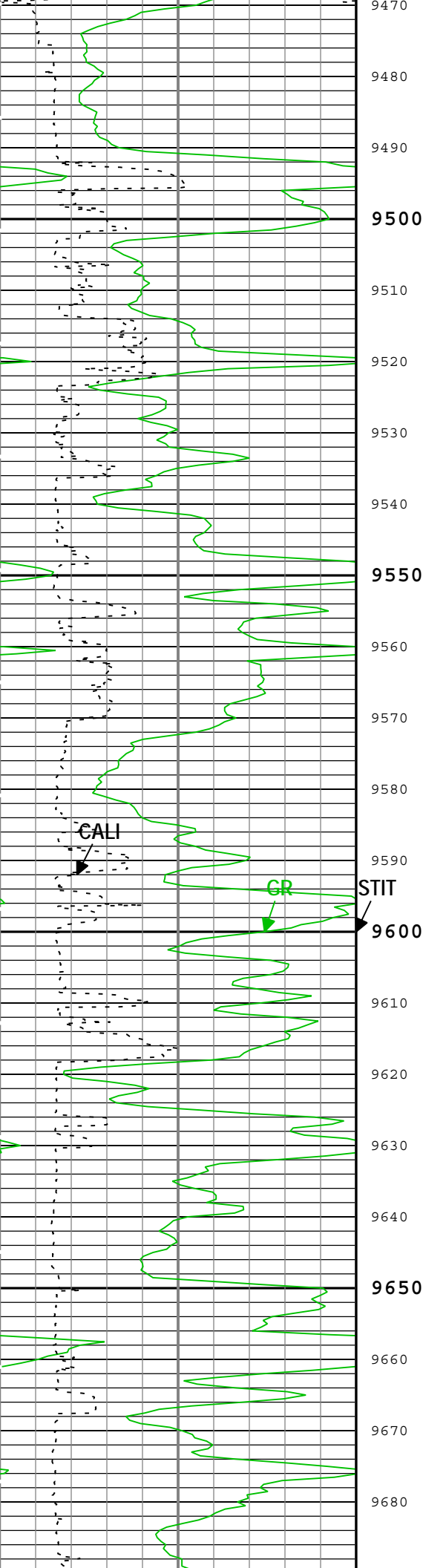


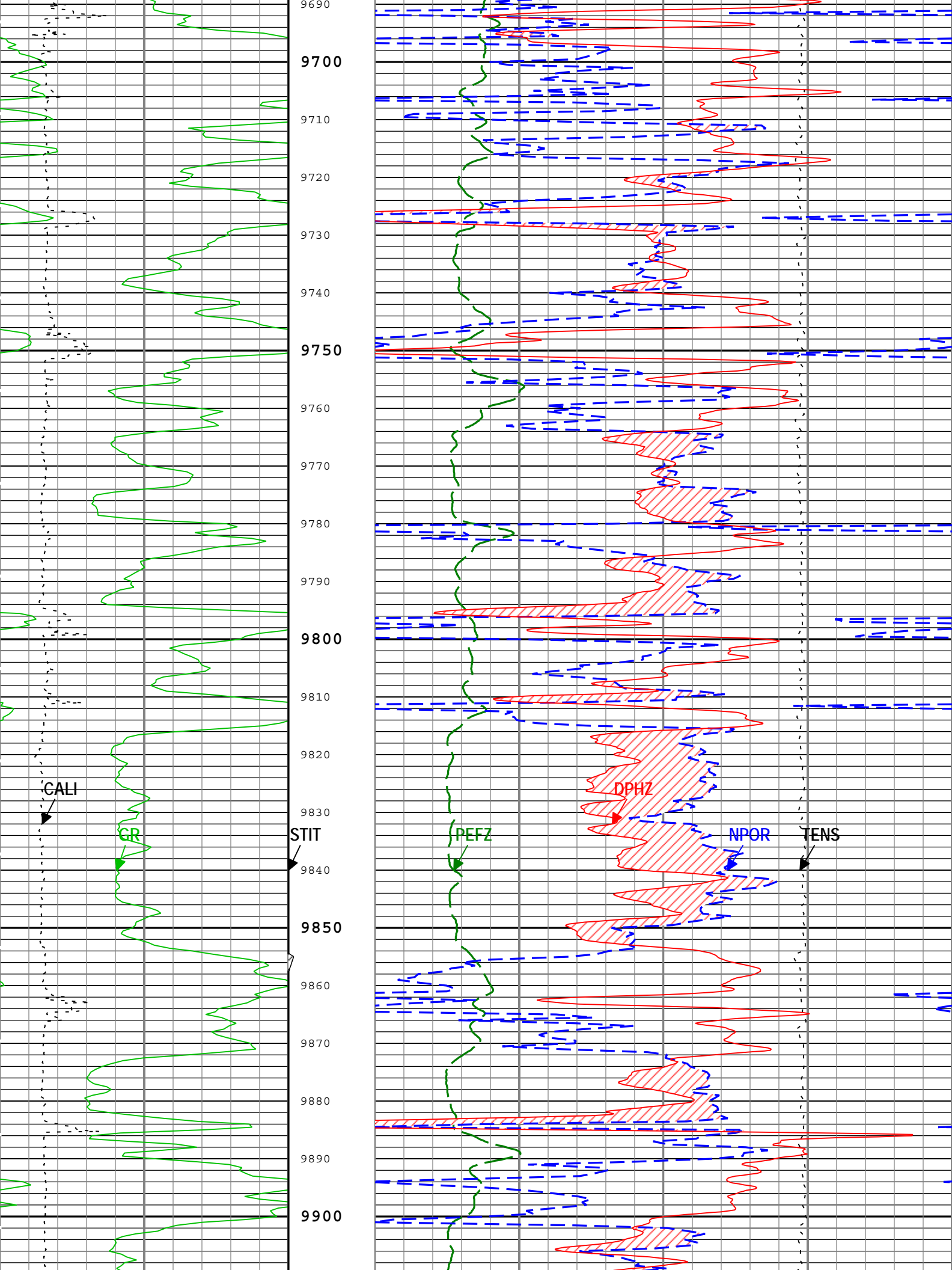


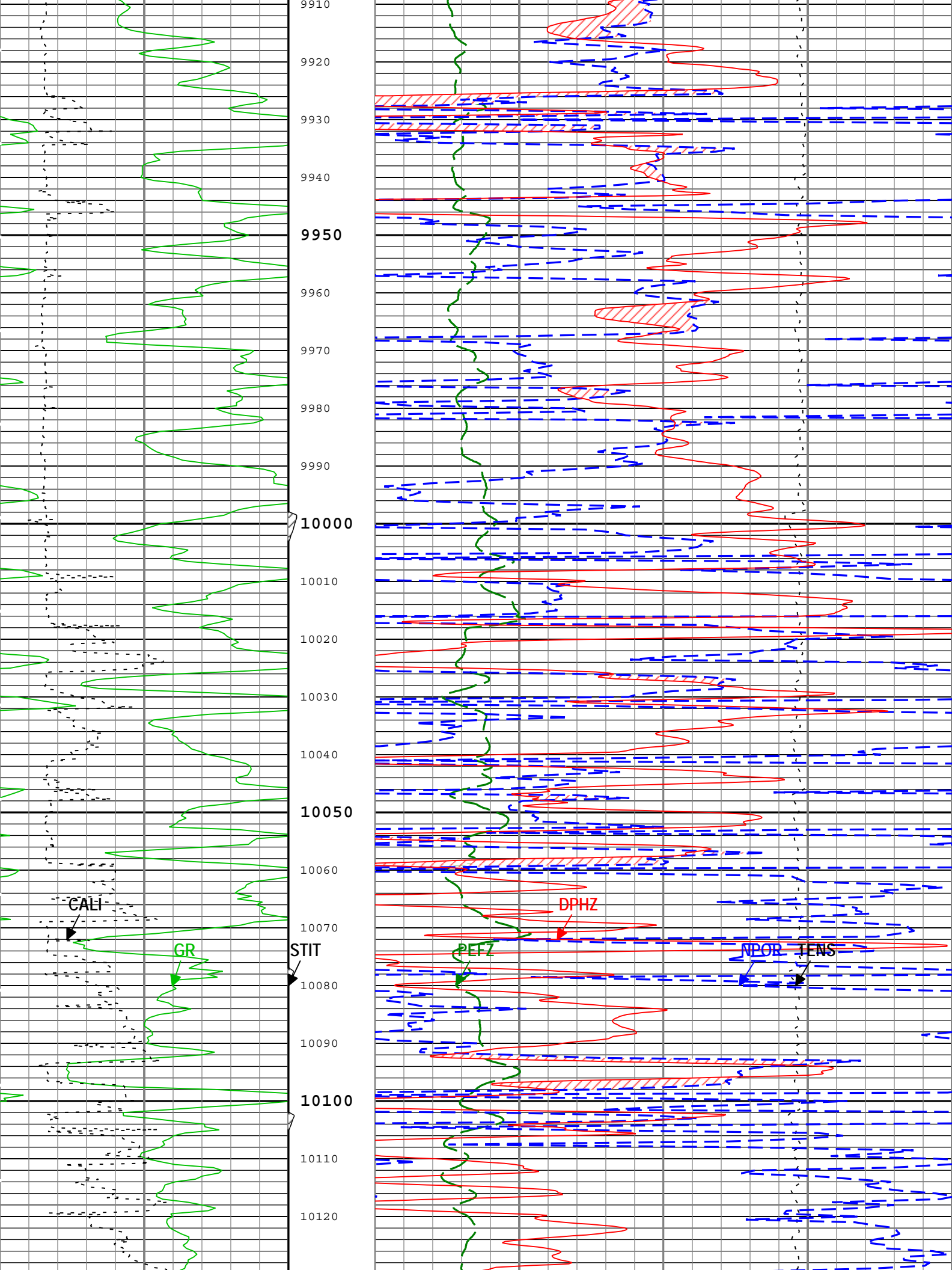


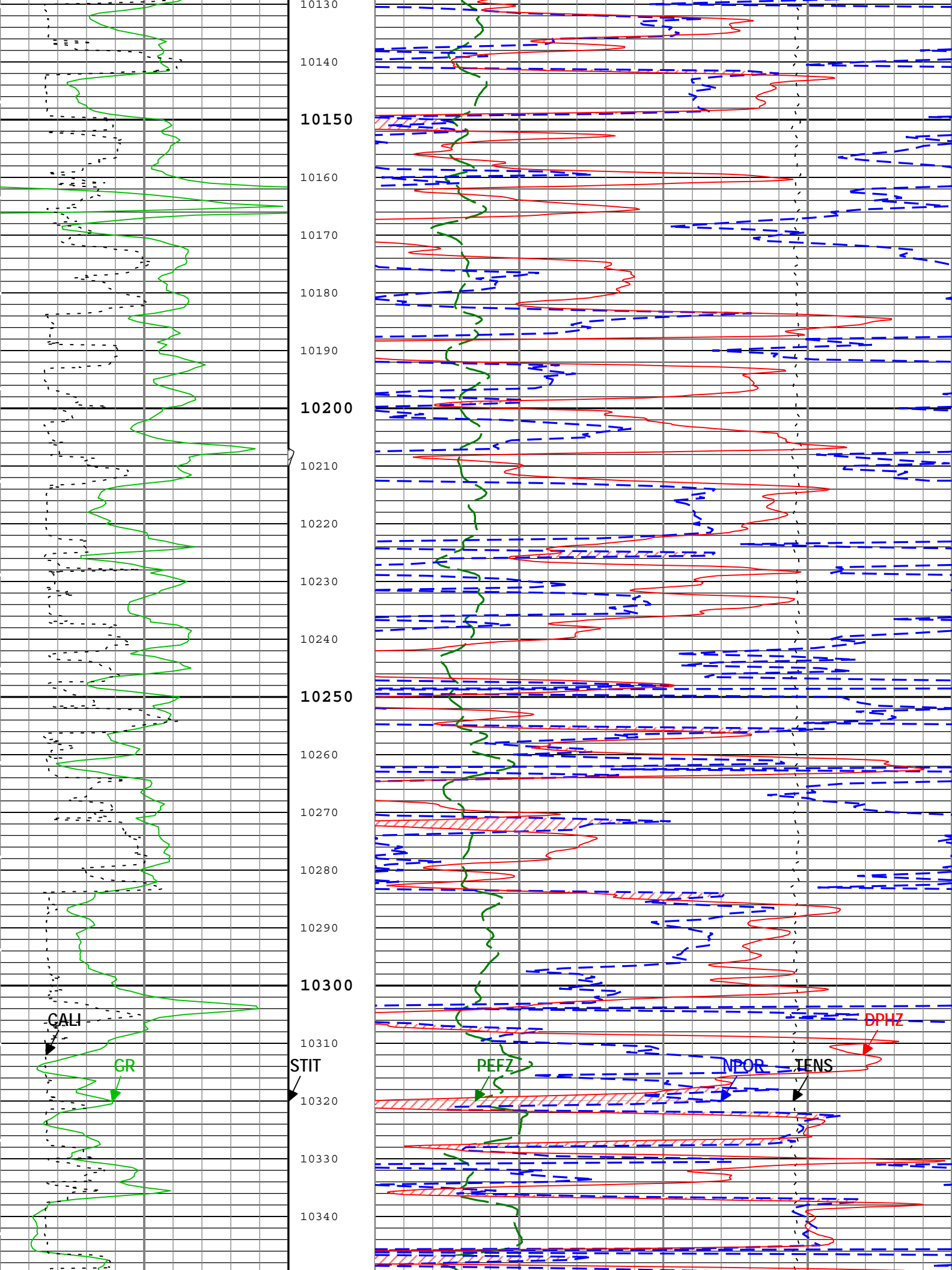


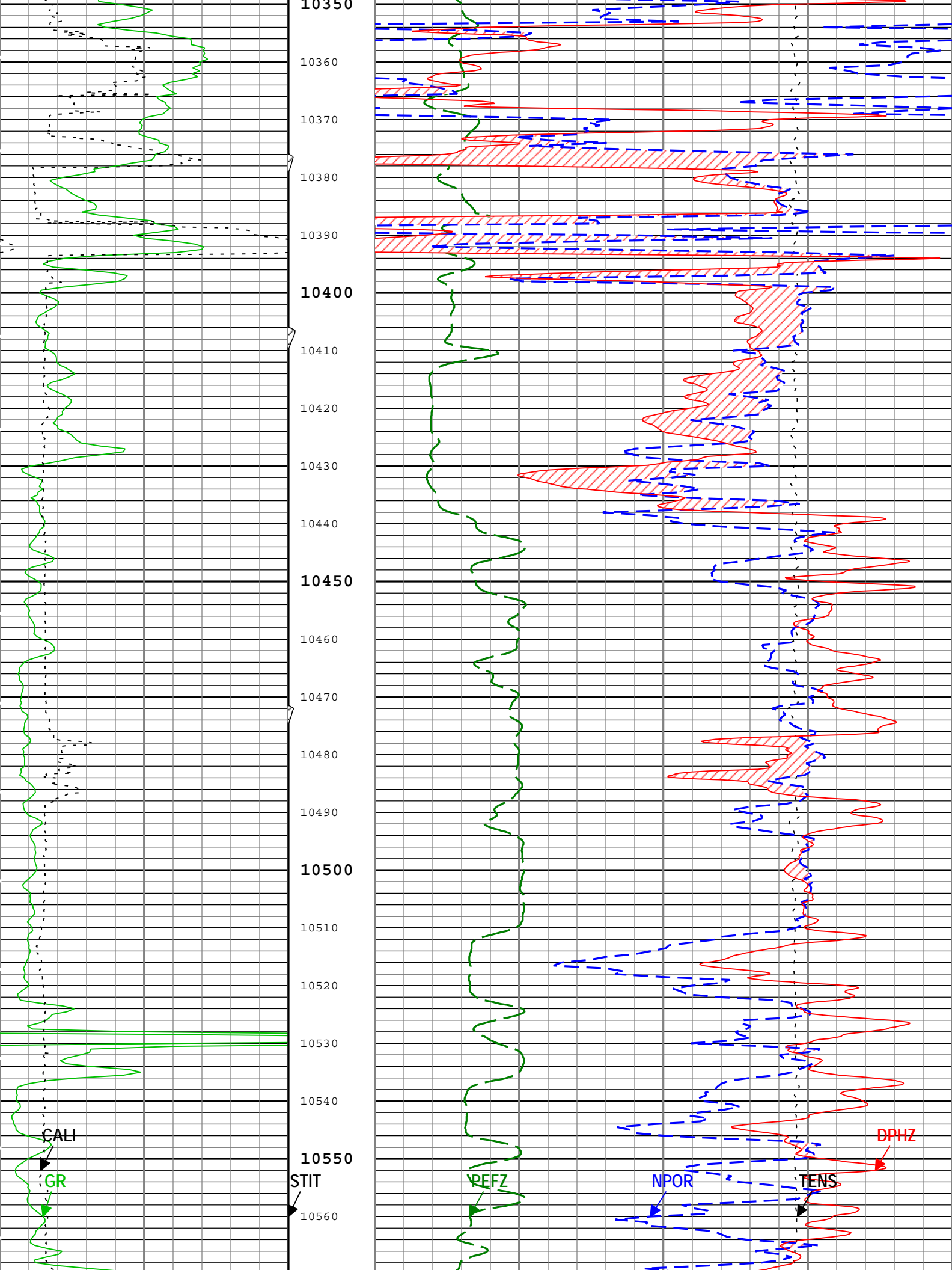


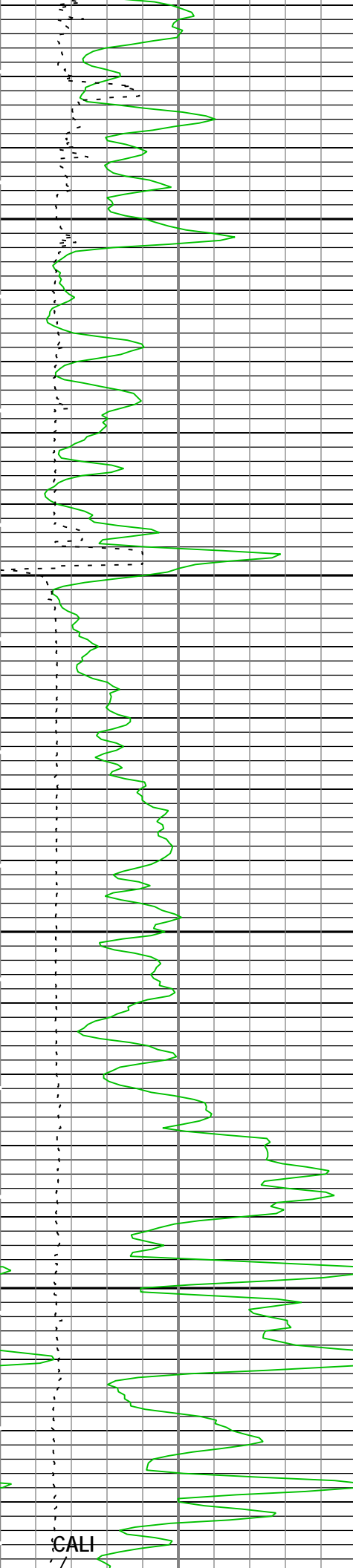




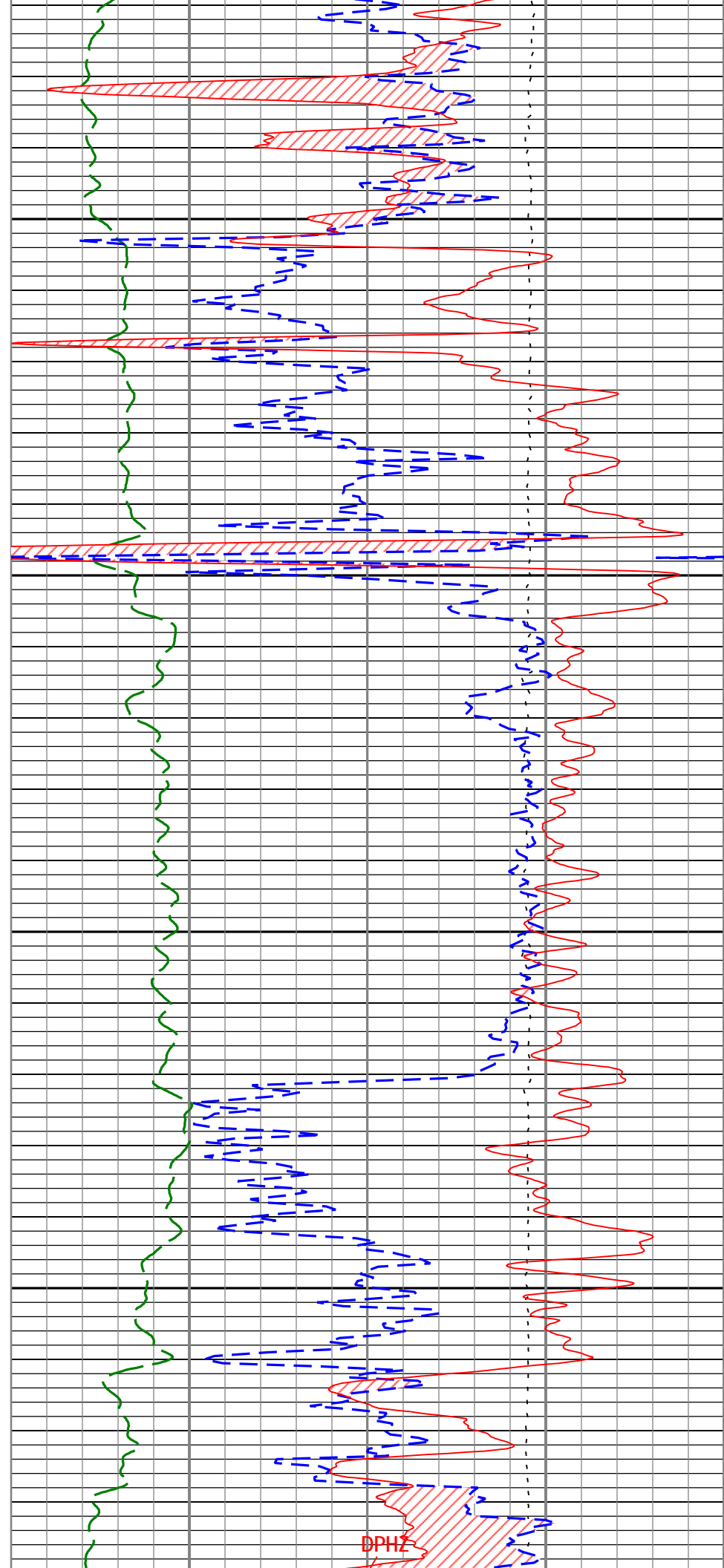








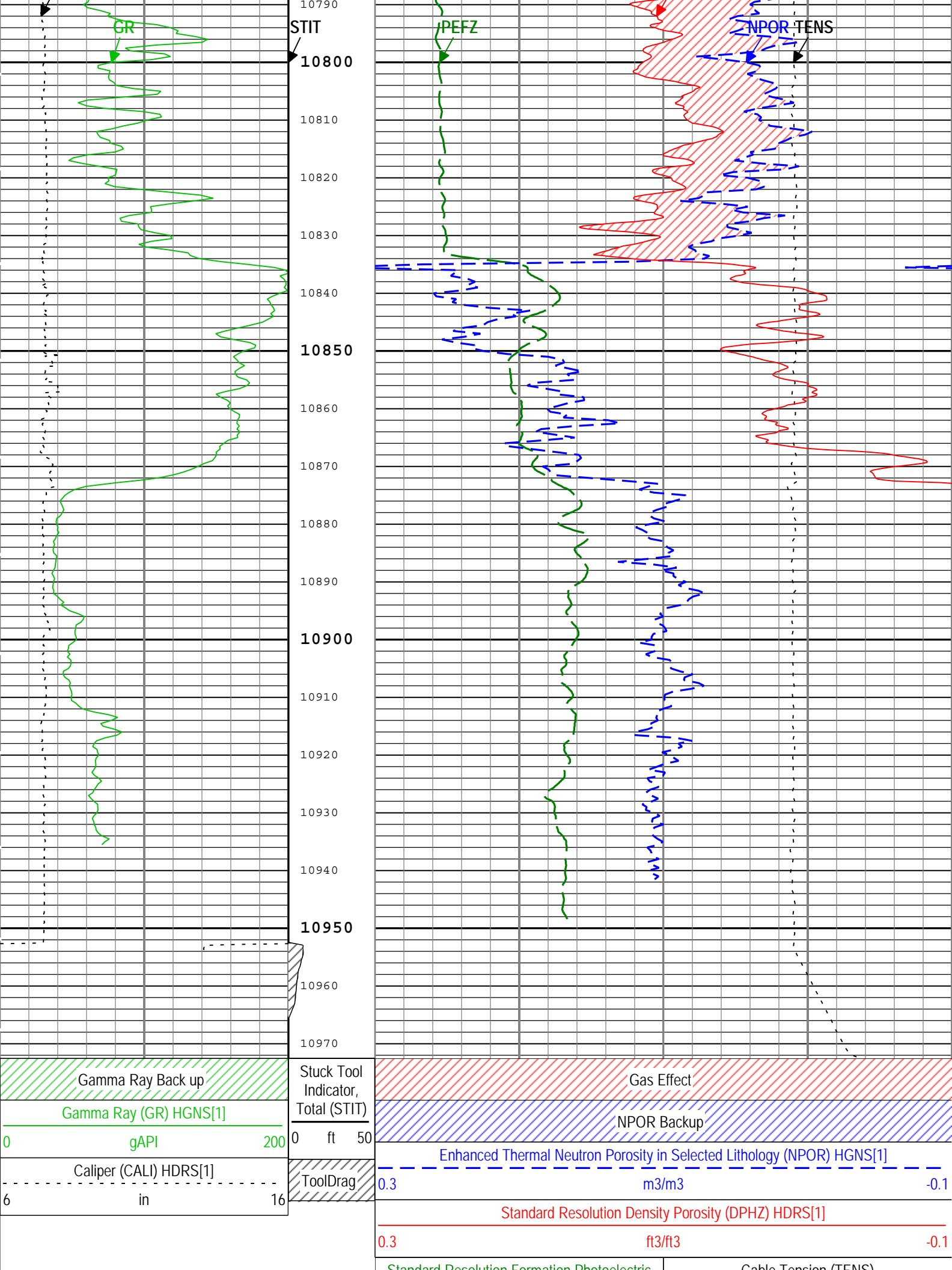
10570
10580
10590
10600
10610
10620
10630
10640
10650
10660
10670
10680
10690
10700
10710
10720
10730
10740
10750
10760
10770
10780



10570
10580
10590
10600
10610
10620
10630
10640
10650
10660
10670
10680
10690
10700
10710
10720
10730
10740
10750
10760
10770
10780

CALI

DPH2



		Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS[1]		Cable Tension (TENS)	
		0		10000	lbf
		10			0
TIME_1900 - Time Marked every 60.00 (s)					
Description: HGNS standard resolution porosities for Platform Express Format: Log (KM 5in Porosity) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 07-Feb-2014 11:59:30					

Channel Processing Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Depth Zoned	
BHT	Bottom Hole Temperature	Borehole	220	degF
BS	Bit Size	WLSESSION	7.875	in
BSAL	Borehole Salinity	Borehole	0	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	5044	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Chemical Gel	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FD	Fluid Density	Borehole	1	g/cm3
FSAL	Formation Salinity	Borehole	0	ppm
GCSE_DOWN_PASS	Generalized Caliper Selection for WL Log Down Passes	Borehole	BS	
GCSE_UP_PASS	Generalized Caliper Selection for WL Log Up Passes	Borehole	CALI	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	AMF	
GTSE	Generalized Temperature Selection, from Measured or Computed Temperature	Borehole	CTEM	
HSCO	Hole Size Correction Option	HGNS-H	Yes	
MATR	Rock Matrix for Neutron Porosity Corrections	Borehole	LIMESTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.71	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	90	degF
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.99	ohm.m
SOCO	Standoff Correction Option	HGNS-H	Yes	

Run 1Depth Zoned Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BHS	Cased	4974	5050
BHS	Open	5050	10972.5
All depth are actual.			

Tool Control Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	Time Zoned	ft/h

Run 1Time Zoned Parameters					
Pass Main[3]:Up					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)

MAX_LOG_SPEED	985	07-Feb-2014 05:54:55	07-Feb-2014 05:58:36	10972.41	10926.05
MAX_LOG_SPEED	1040	07-Feb-2014 05:58:36	07-Feb-2014 06:06:55	10926.05	10787.15
MAX_LOG_SPEED	968	07-Feb-2014 06:06:55	07-Feb-2014 06:28:44	10787.15	10443.54
MAX_LOG_SPEED	1026	07-Feb-2014 06:28:44	07-Feb-2014 06:30:48	10443.54	10410.55
MAX_LOG_SPEED	970	07-Feb-2014 06:30:48	07-Feb-2014 06:34:57	10410.55	10343.68
MAX_LOG_SPEED	1030	07-Feb-2014 06:34:57	07-Feb-2014 07:05:03	10343.68	9852.37
MAX_LOG_SPEED	967	07-Feb-2014 07:05:03	07-Feb-2014 07:18:35	9852.37	9635.37
MAX_LOG_SPEED	1024	07-Feb-2014 07:18:35	07-Feb-2014 07:49:50	9635.37	9129.37
MAX_LOG_SPEED	960	07-Feb-2014 07:49:50	07-Feb-2014 08:12:43	9129.37	8760.99
MAX_LOG_SPEED	1042	07-Feb-2014 08:12:43	07-Feb-2014 08:13:45	8760.99	8744.07
MAX_LOG_SPEED	959	07-Feb-2014 08:13:45	07-Feb-2014 08:20:00	8744.07	8641.7
MAX_LOG_SPEED	1020	07-Feb-2014 08:20:00	07-Feb-2014 08:22:06	8641.7	8607.87
MAX_LOG_SPEED	958	07-Feb-2014 08:22:06	07-Feb-2014 08:29:15	8607.87	8503.07

Pass Log[4]:Up					
MAX_LOG_SPEED	1538	07-Feb-2014 08:48:45	07-Feb-2014 08:50:29	8709.32	8700.86
MAX_LOG_SPEED	1436	07-Feb-2014 08:50:29	07-Feb-2014 08:51:31	8700.86	8676.32
MAX_LOG_SPEED	1516	07-Feb-2014 08:51:31	07-Feb-2014 08:59:44	8676.32	8469.87
MAX_LOG_SPEED	1601	07-Feb-2014 08:59:44	07-Feb-2014 09:03:50	8469.87	8365.1
MAX_LOG_SPEED	1503	07-Feb-2014 09:03:50	07-Feb-2014 09:14:06	8365.1	8103.53
MAX_LOG_SPEED	1590	07-Feb-2014 09:14:06	07-Feb-2014 09:16:09	8103.53	8051.73
MAX_LOG_SPEED	1509	07-Feb-2014 09:16:09	07-Feb-2014 09:17:11	8051.73	8026.14
MAX_LOG_SPEED	1591	07-Feb-2014 09:17:11	07-Feb-2014 09:19:14	8026.14	7974.91
MAX_LOG_SPEED	1471	07-Feb-2014 09:19:14	07-Feb-2014 09:22:19	7974.91	7900.12
MAX_LOG_SPEED	1549	07-Feb-2014 09:22:19	07-Feb-2014 09:24:22	7900.12	7849.8
MAX_LOG_SPEED	1465	07-Feb-2014 09:24:22	07-Feb-2014 09:25:24	7849.8	7824.46
MAX_LOG_SPEED	1552	07-Feb-2014 09:25:24	07-Feb-2014 09:27:27	7824.46	7774.27
MAX_LOG_SPEED	1472	07-Feb-2014 09:27:27	07-Feb-2014 09:29:31	7774.27	7723.07
MAX_LOG_SPEED	1556	07-Feb-2014 09:29:31	07-Feb-2014 09:43:53	7723.07	7357.64
MAX_LOG_SPEED	1643	07-Feb-2014 09:43:53	07-Feb-2014 09:50:03	7357.64	7195.28
MAX_LOG_SPEED	1559	07-Feb-2014 09:50:03	07-Feb-2014 09:58:13	7195.28	6980.25
MAX_LOG_SPEED	1676	07-Feb-2014 09:58:13	07-Feb-2014 10:00:15	6980.25	6926.35
MAX_LOG_SPEED	1587	07-Feb-2014 10:00:15	07-Feb-2014 10:01:17	6926.35	6899.08
MAX_LOG_SPEED	1506	07-Feb-2014 10:01:17	07-Feb-2014 10:02:18	6899.08	6872.28
MAX_LOG_SPEED	1603	07-Feb-2014 10:02:18	07-Feb-2014 10:07:27	6872.28	6740.12
MAX_LOG_SPEED	1449	07-Feb-2014 10:07:27	07-Feb-2014 10:09:29	6740.12	6689.02
MAX_LOG_SPEED	1571	07-Feb-2014 10:09:29	07-Feb-2014 10:23:48	6689.02	6328.04
MAX_LOG_SPEED	1660	07-Feb-2014 10:23:48	07-Feb-2014 10:40:12	6328.04	5914.22
MAX_LOG_SPEED	1564	07-Feb-2014 10:40:12	07-Feb-2014 10:45:19	5914.22	5780.35
MAX_LOG_SPEED	1718	07-Feb-2014 10:45:19	07-Feb-2014 10:53:32	5780.35	5559.07
MAX_LOG_SPEED	1620	07-Feb-2014 10:53:32	07-Feb-2014 10:55:35	5559.07	5504.02
MAX_LOG_SPEED	1735	07-Feb-2014 10:55:35	07-Feb-2014 10:59:40	5504.02	5392.69
MAX_LOG_SPEED	1561	07-Feb-2014 10:59:40	07-Feb-2014 11:00:42	5392.69	5365.48
MAX_LOG_SPEED	1661	07-Feb-2014 11:00:42	07-Feb-2014 11:10:55	5365.48	5092.87
MAX_LOG_SPEED	1527	07-Feb-2014 11:10:55	07-Feb-2014 11:14:02	5092.87	5010.91

All depth are at tool zero.

Run 1

5" Porosity Repeat

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Repeat[2]:Up	Up	10620.13 ft	10968.87 ft	07-Feb-2014 5:24:50 AM	07-Feb-2014 5:46:39 AM	ON	10.00 ft	No
Run 1	Main[3]:Up	Up	8492.45 ft	10972.52 ft	07-Feb-2014 5:54:55 AM	07-Feb-2014 8:29:15 AM	ON	0.00 ft	No

All depths are referenced to toolstring zero

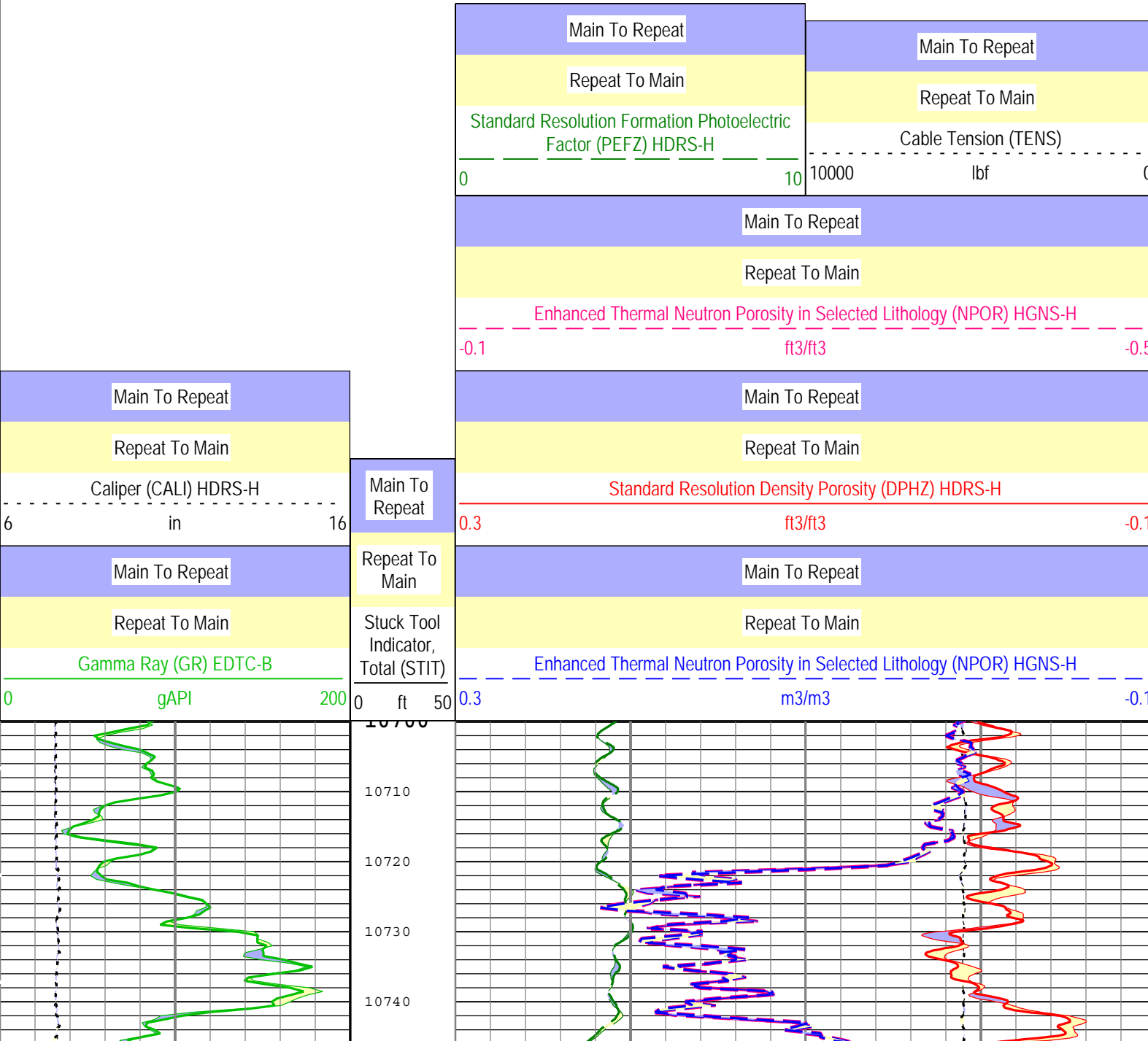
Log

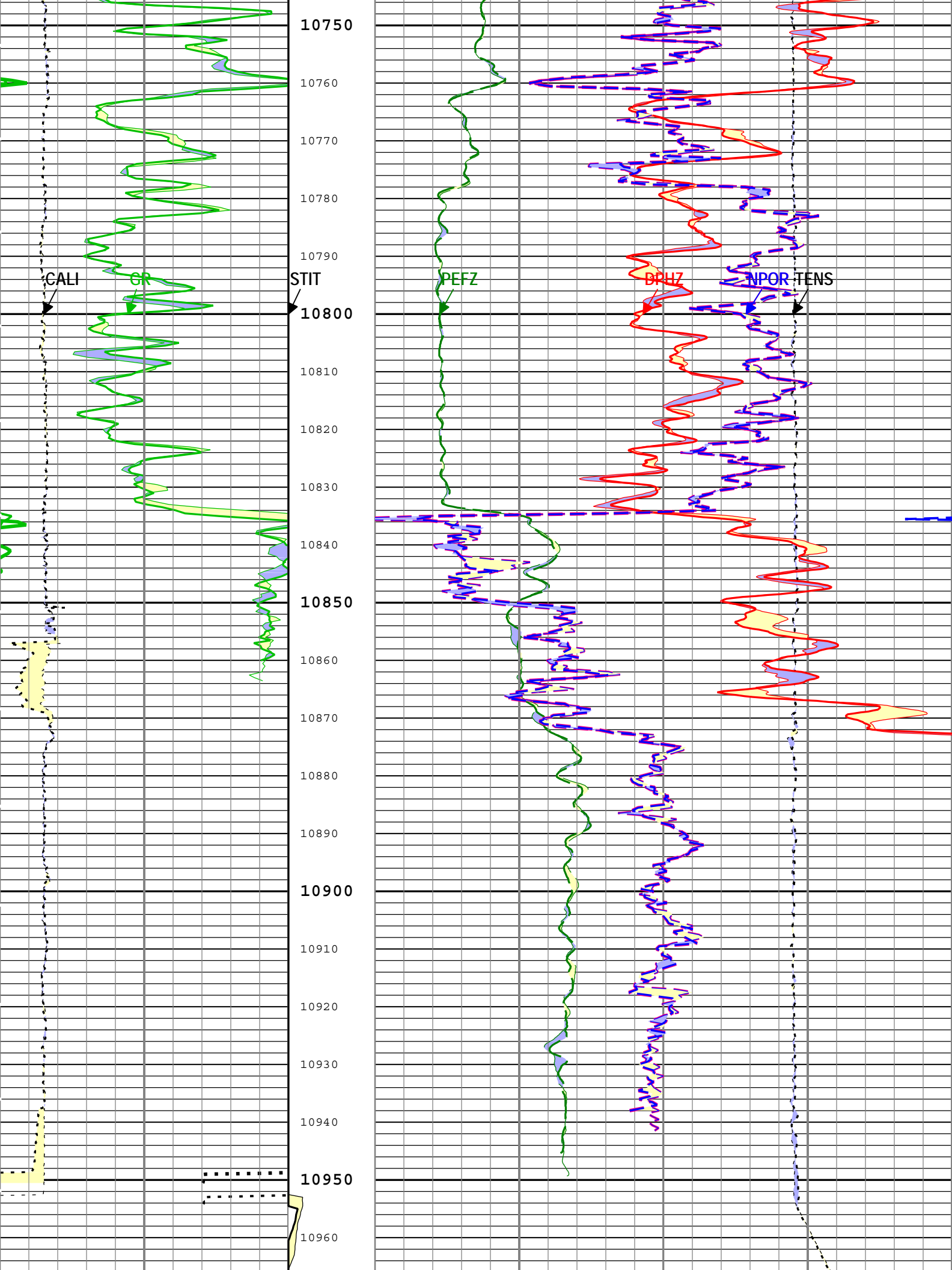
Company:Mustang Creek Operating LLC Well:Graham 1 13

Run 1: Main[3]:Up:S008

Description: HGNS standard resolution porosities for Platform Express Format: Log (KM 5in Porosity RA) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 07-Feb-2014 11:59:33

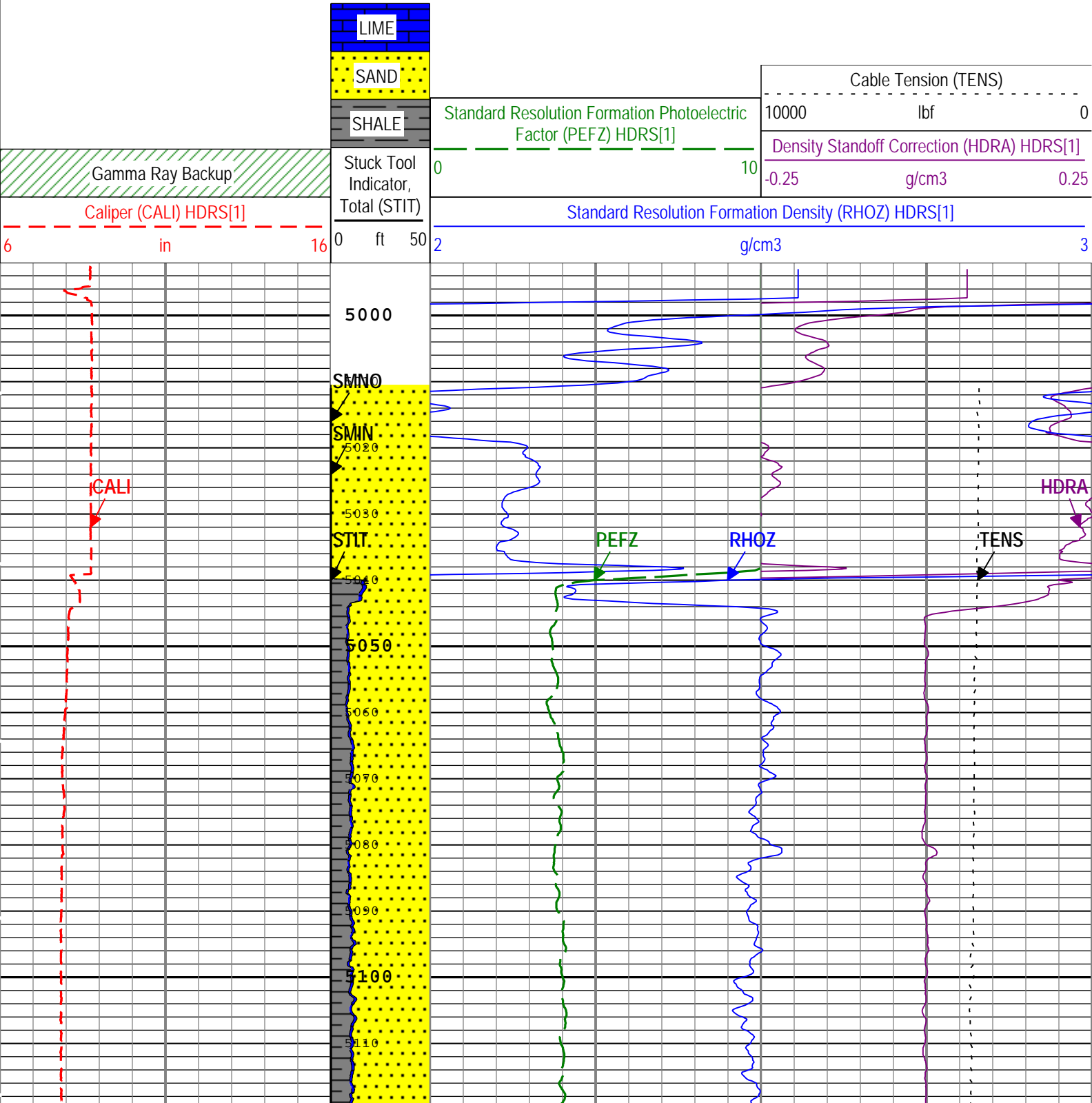
TIME_1900 - Time Marked every 60.00 (s)

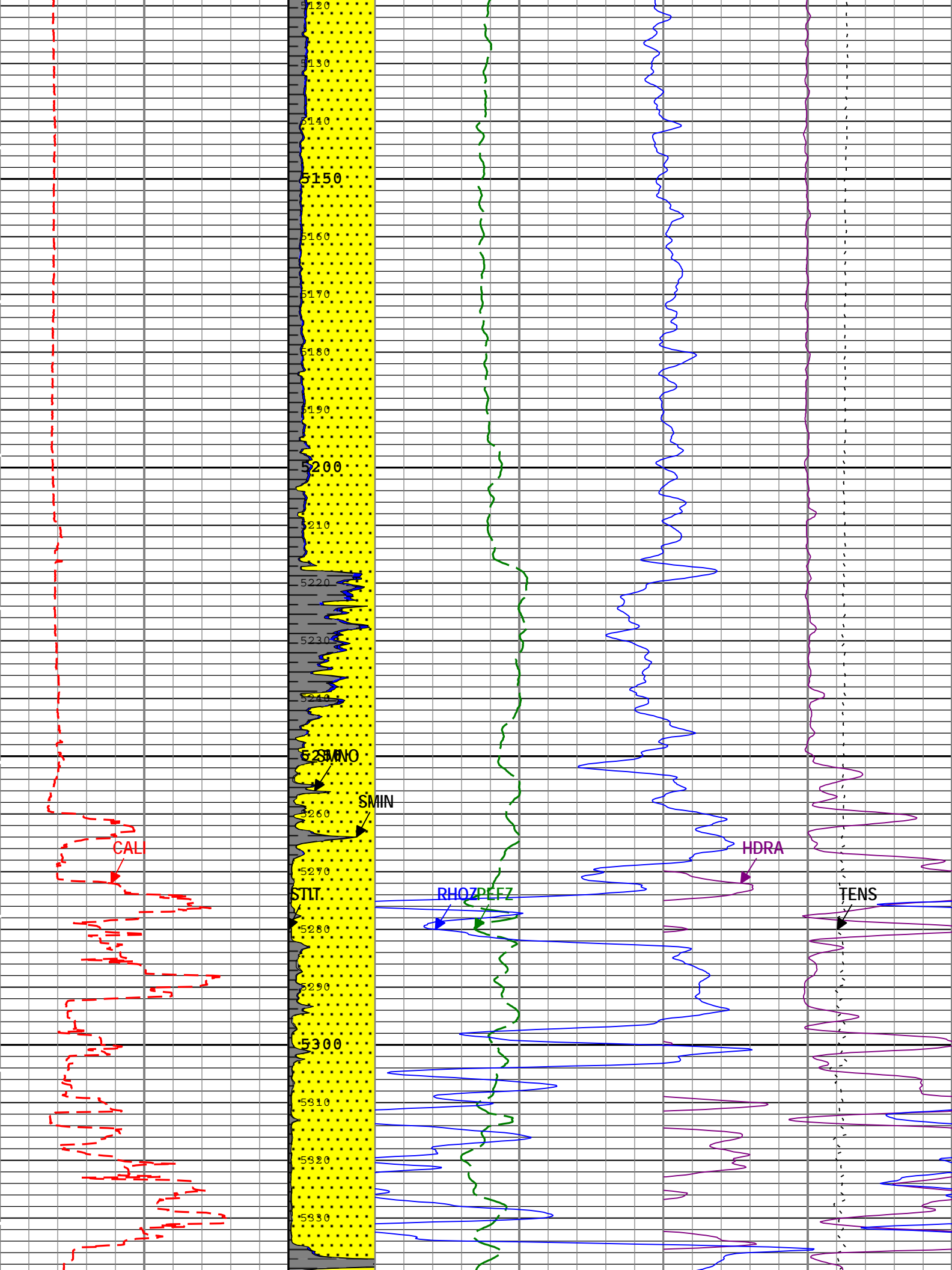


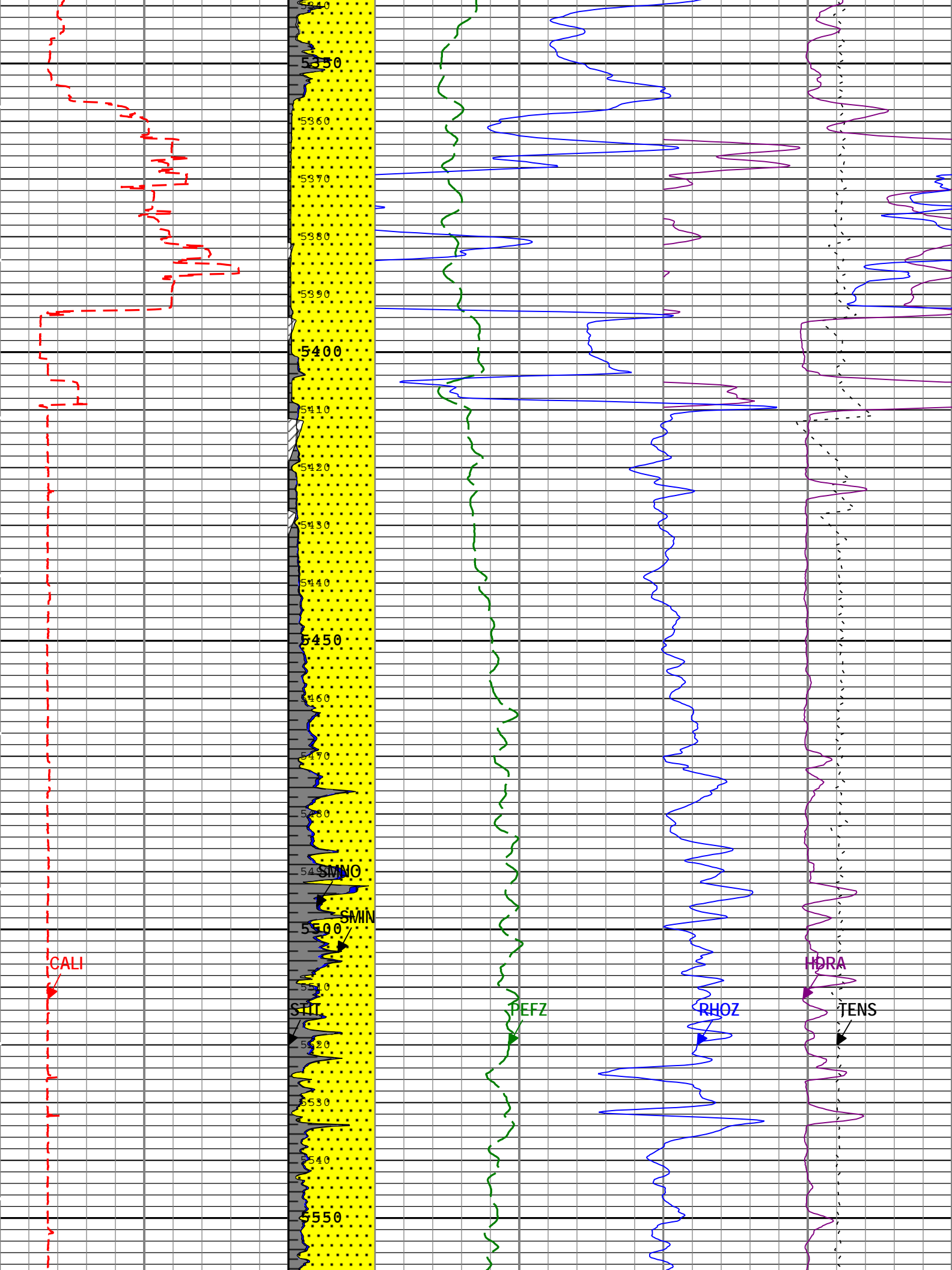


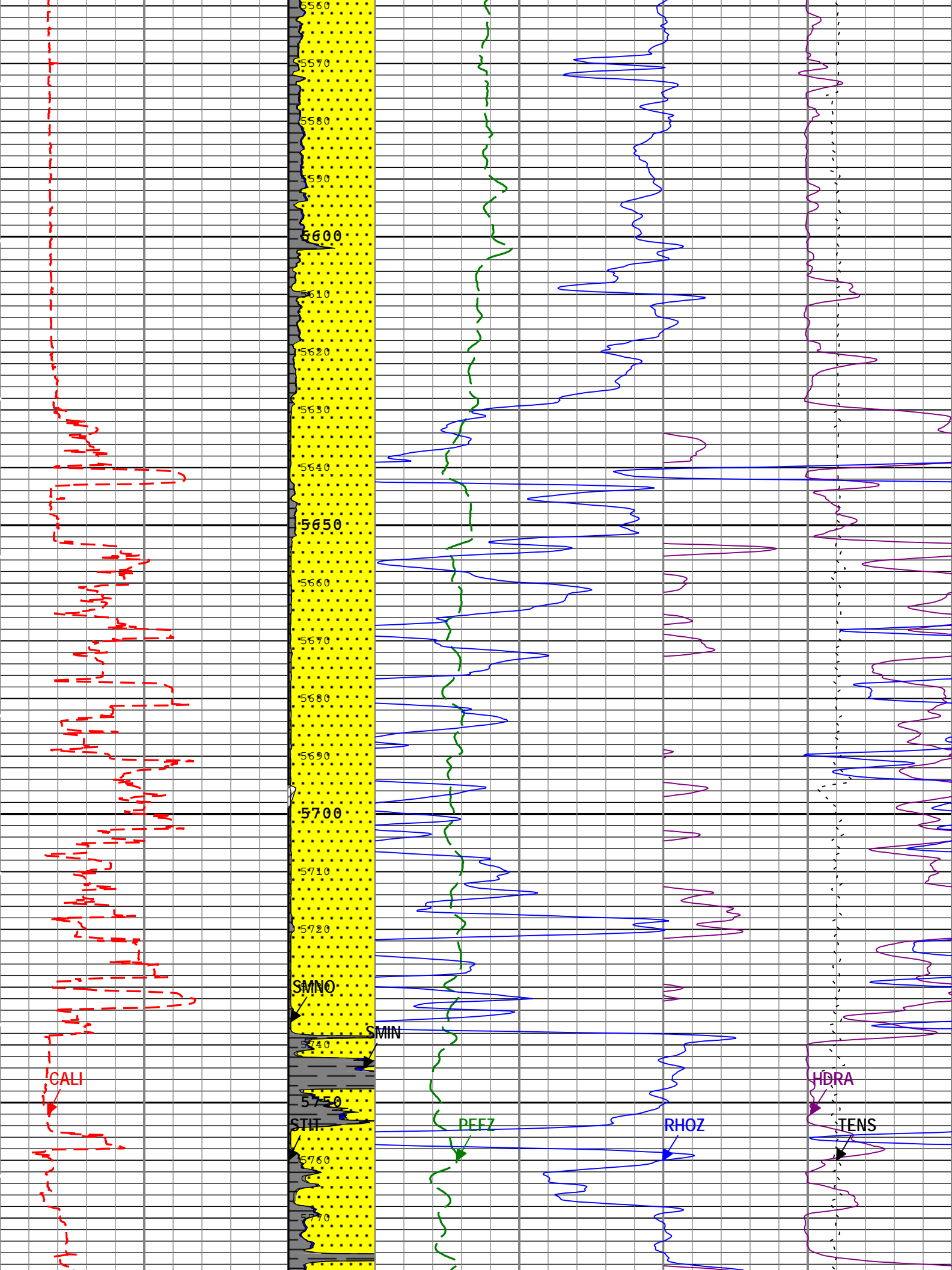
Description: HGVS standard resolution porosities for Platform Express Format: Log (Kivi 3in Density) Index Scale: 5 in per 100 ft Index Unit: ft Index		
Type: Measured Depth	Creation Date: 07-Feb-2014 11:59:36	
Channel	Source	Sampling
CALI	HDRS[1]:HRCC-H[1]:HRCC-H[1]	1in
HDRA	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
PEFZ	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
RHOZ	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
SMIN	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
SMNO	HDRS[1]:HRMS-H[1]:HRGD-H[1]	2in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

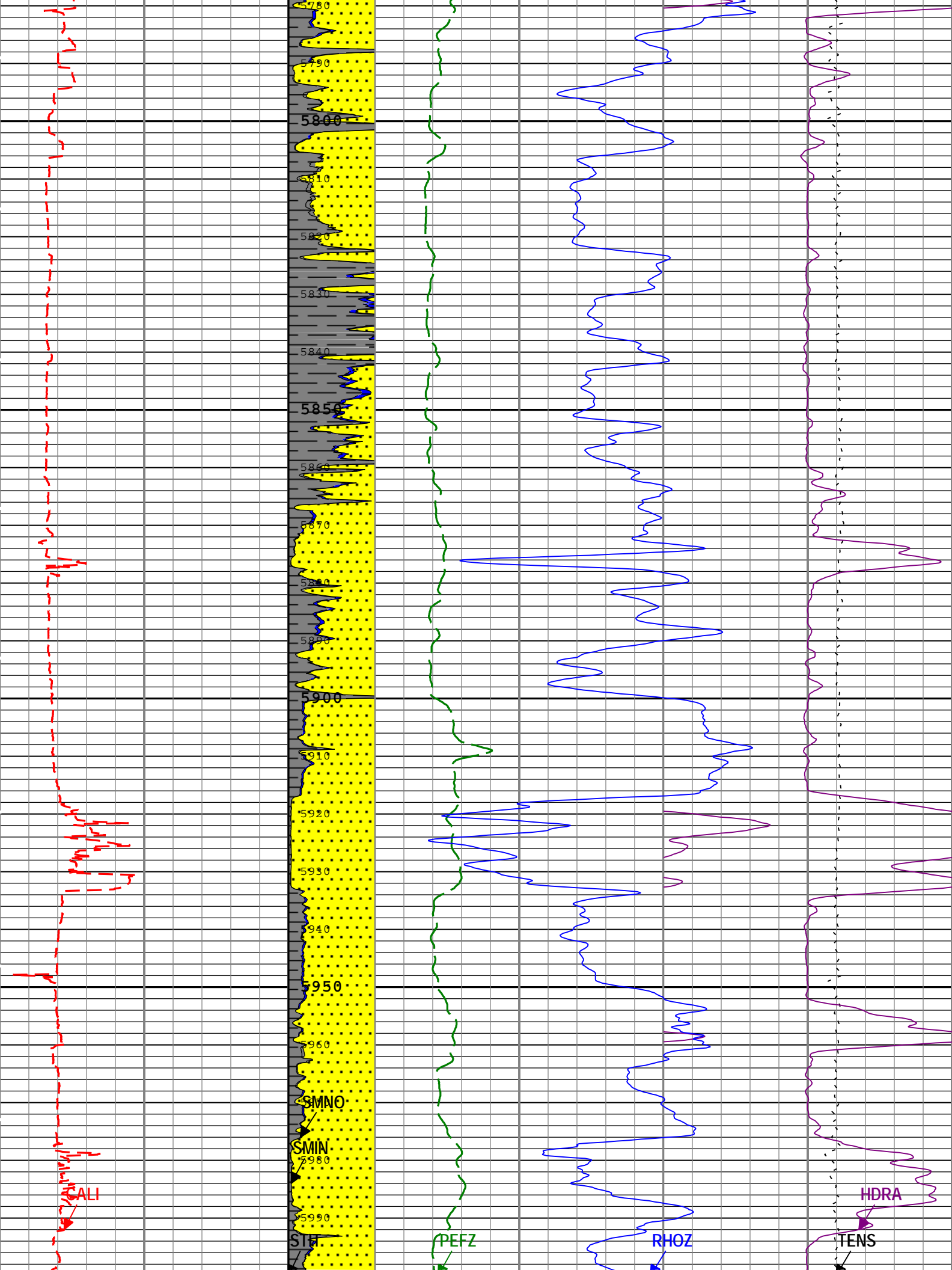
TIME_1900 - Time Marked every 60.00 (s)

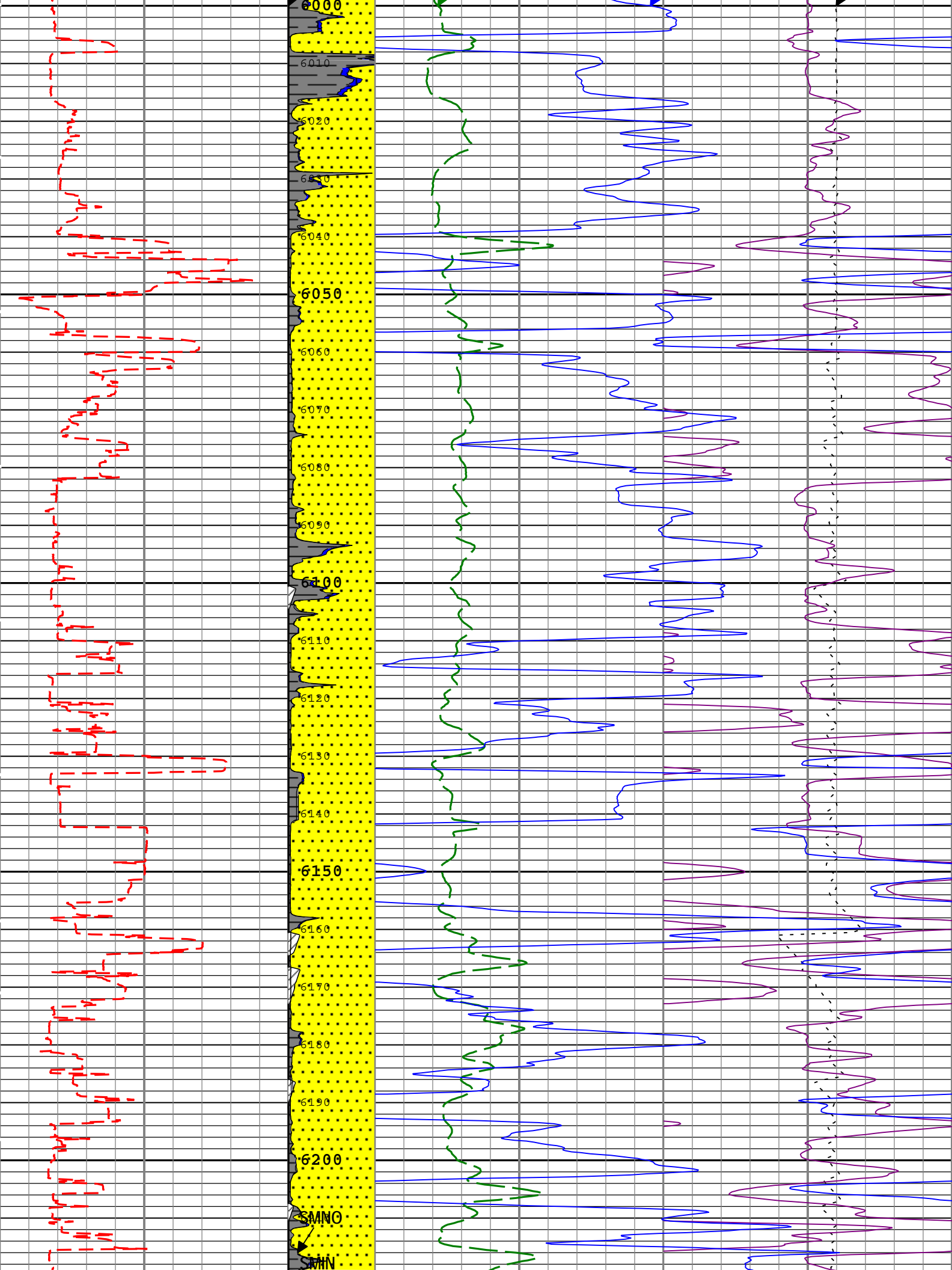


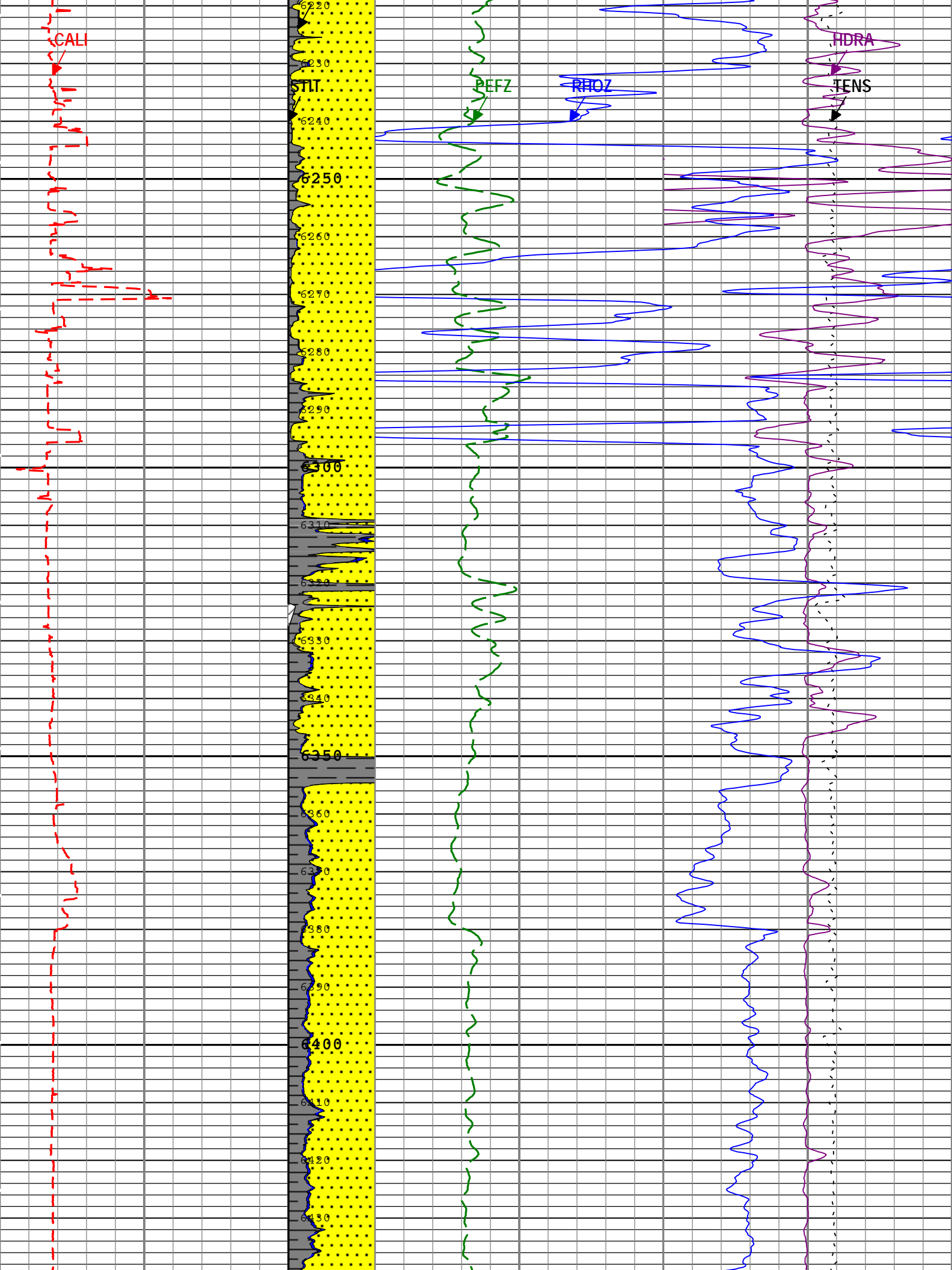


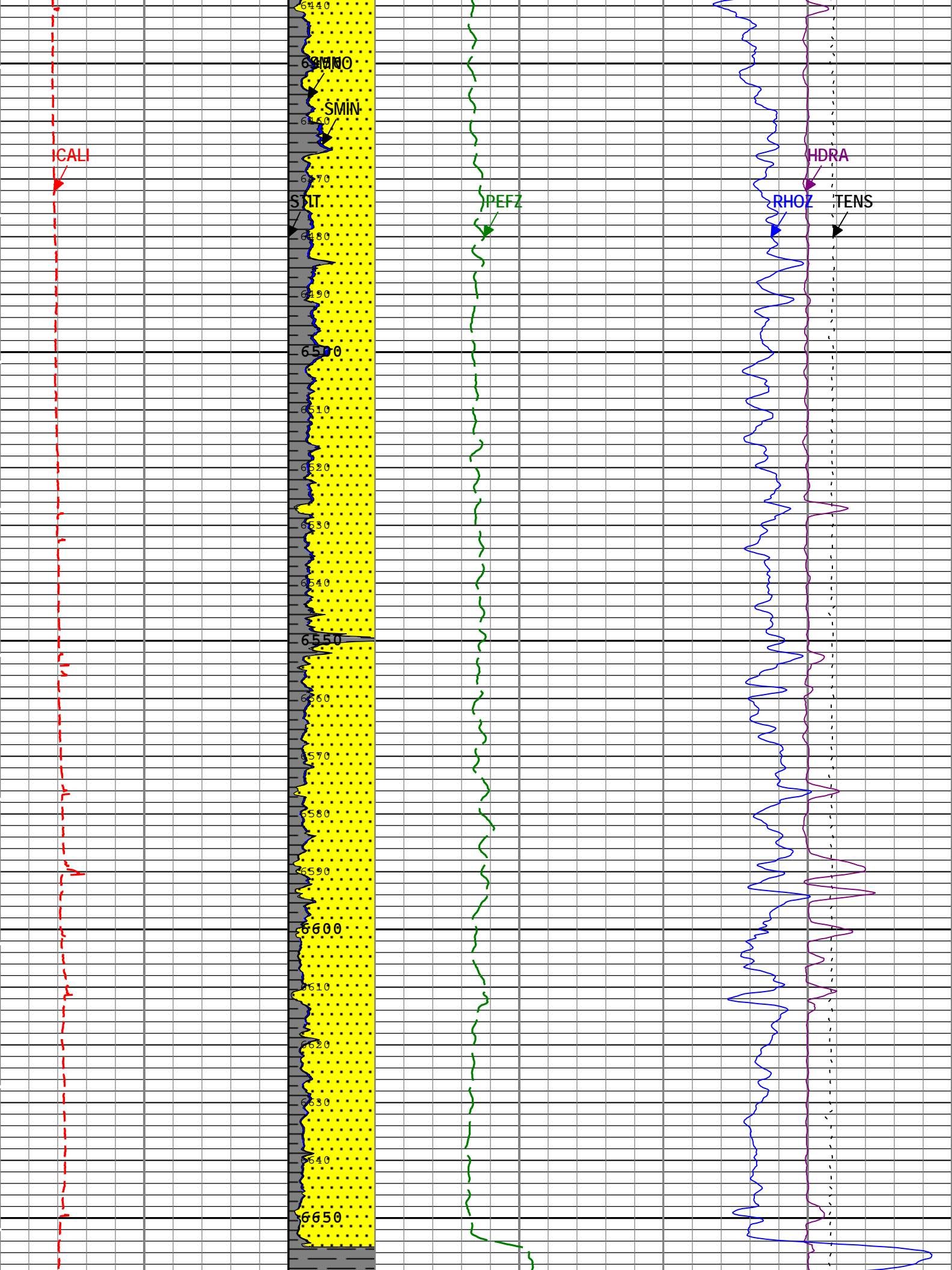


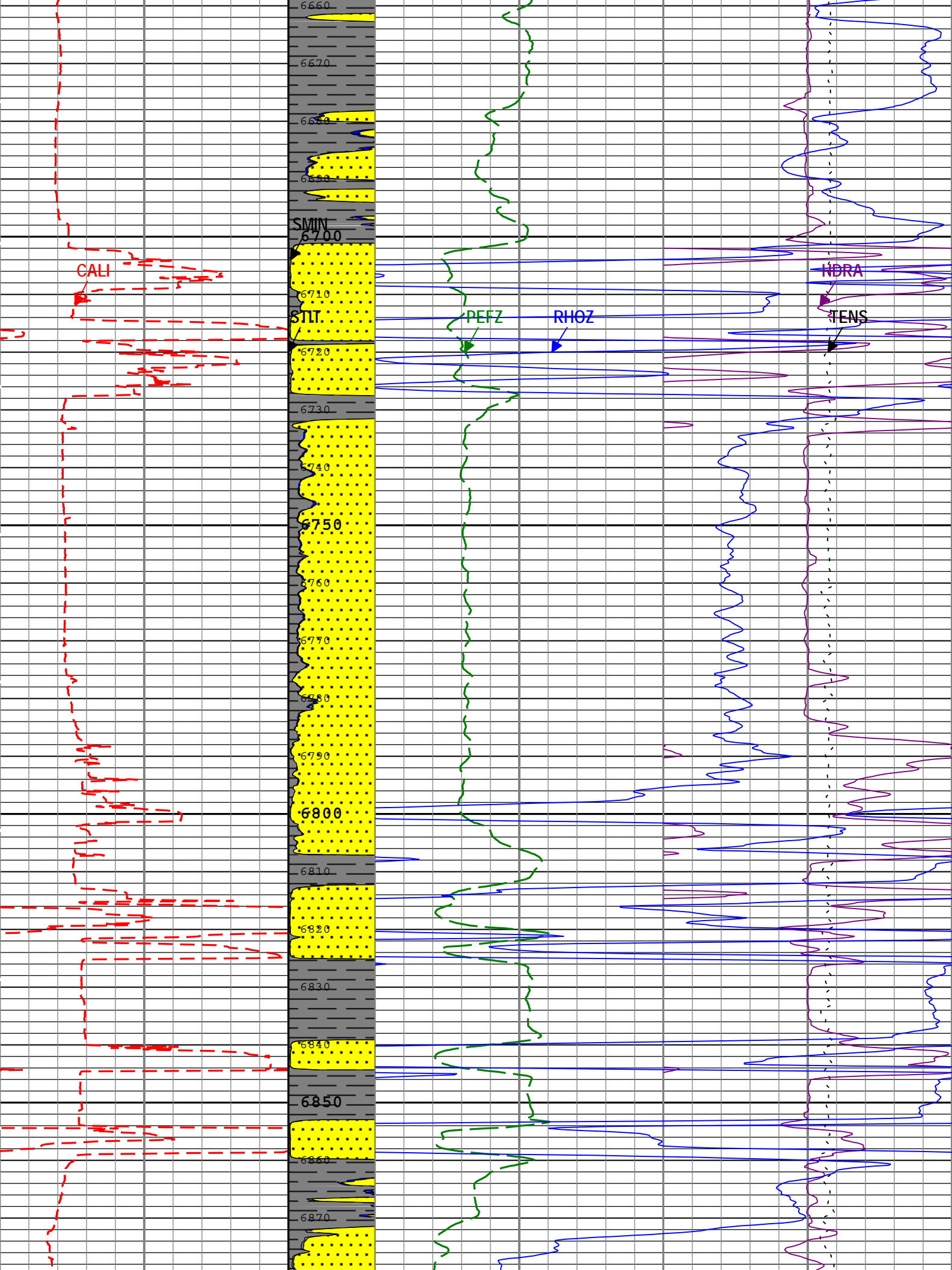


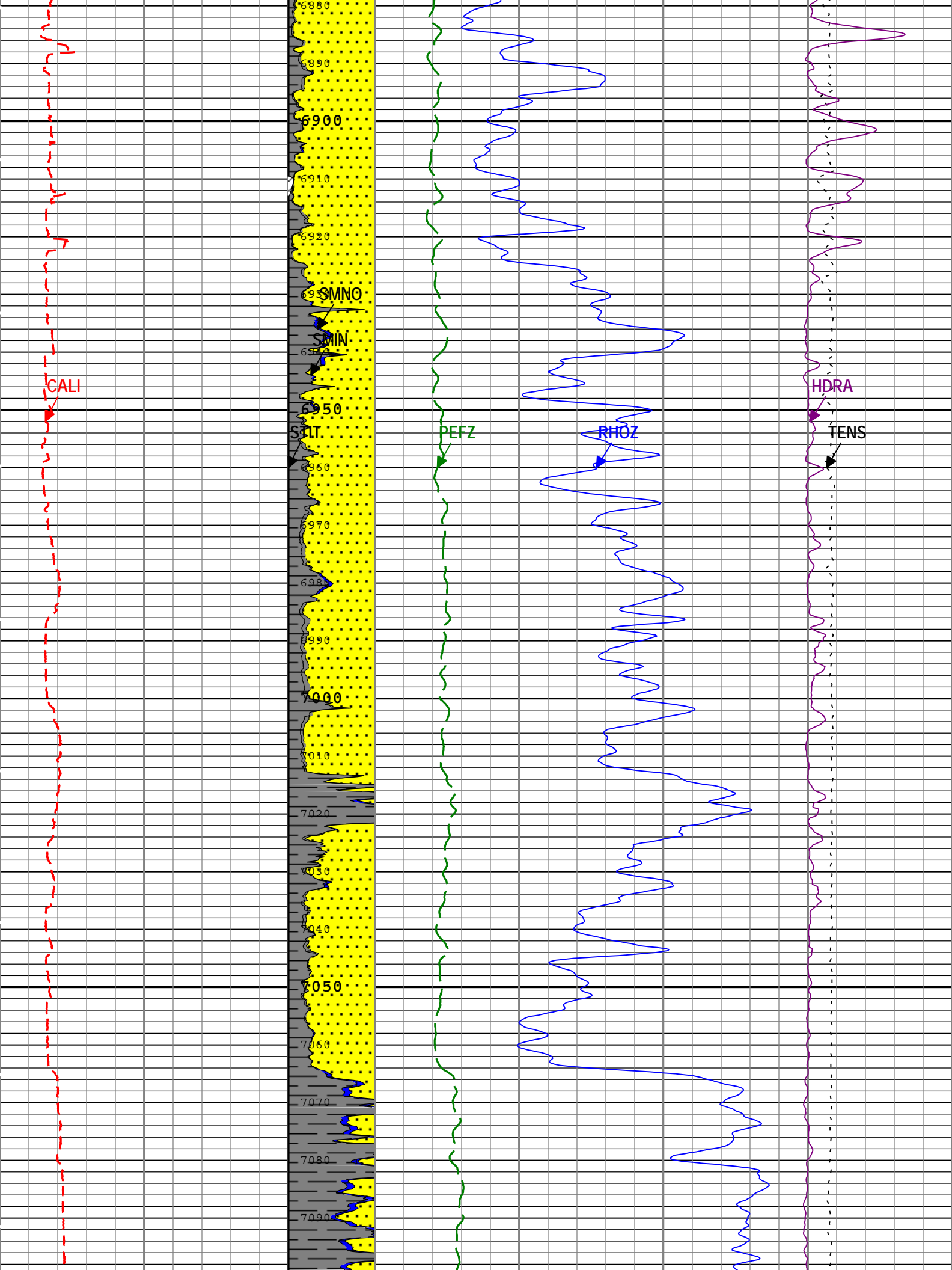


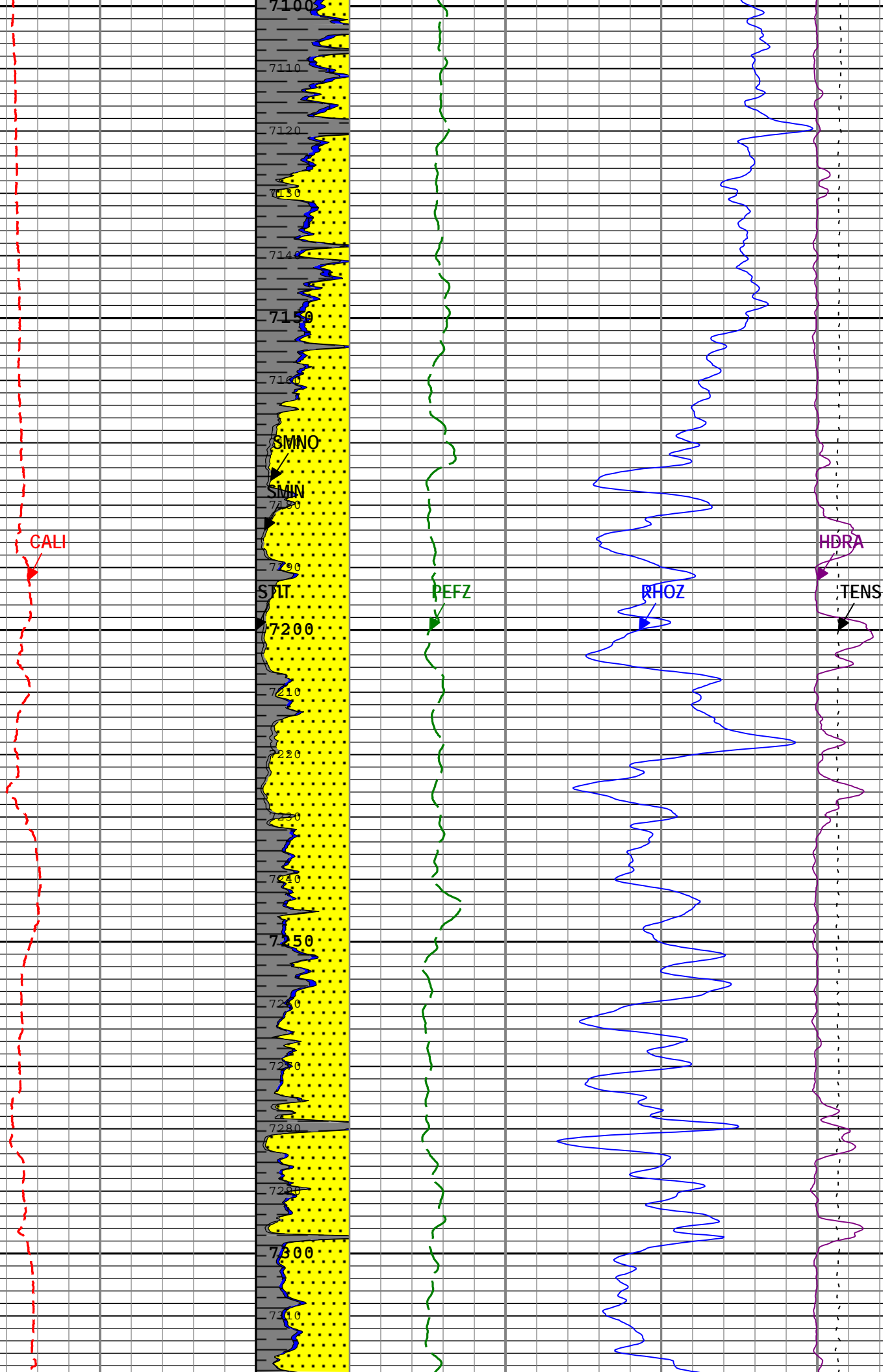


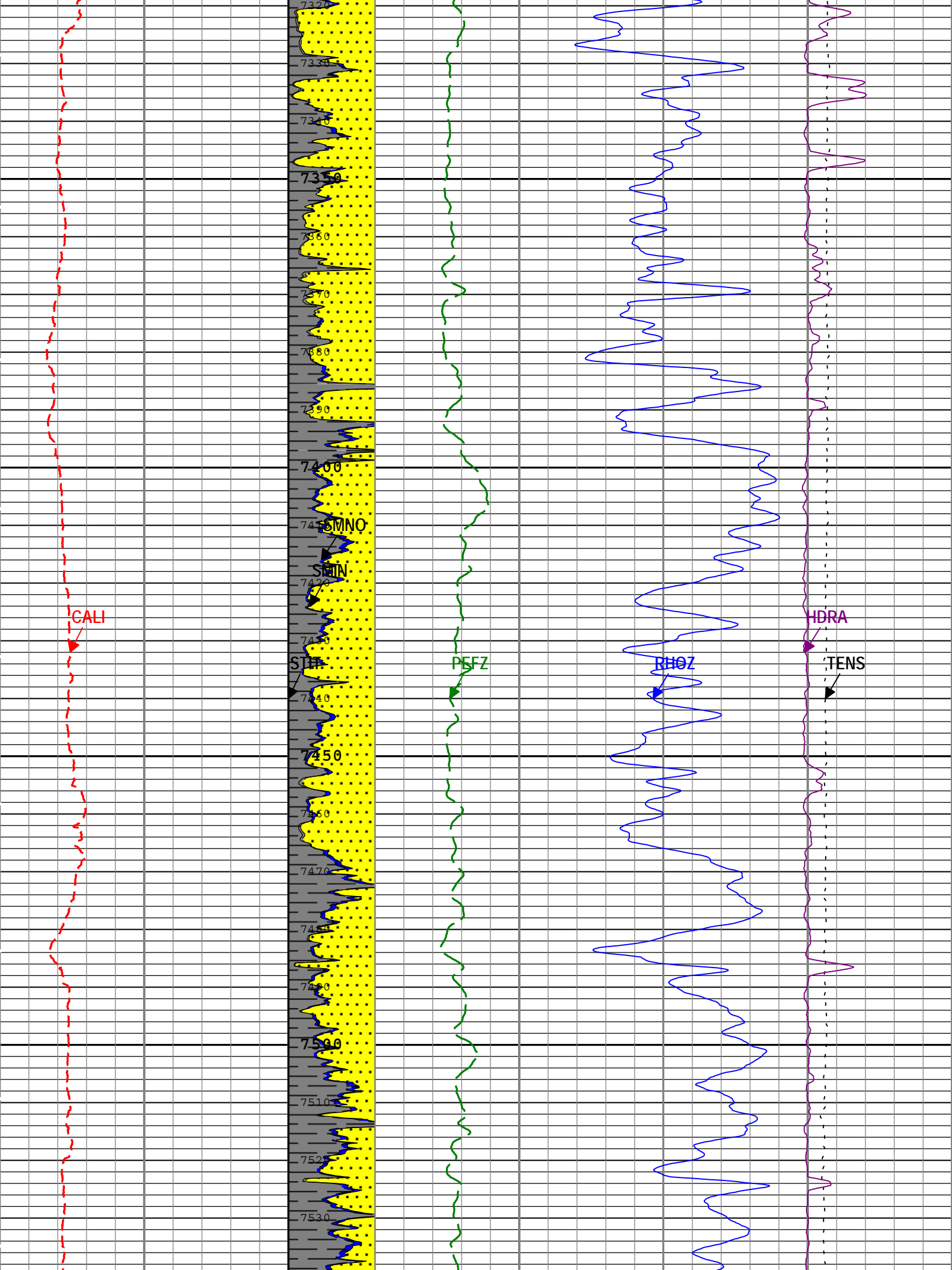


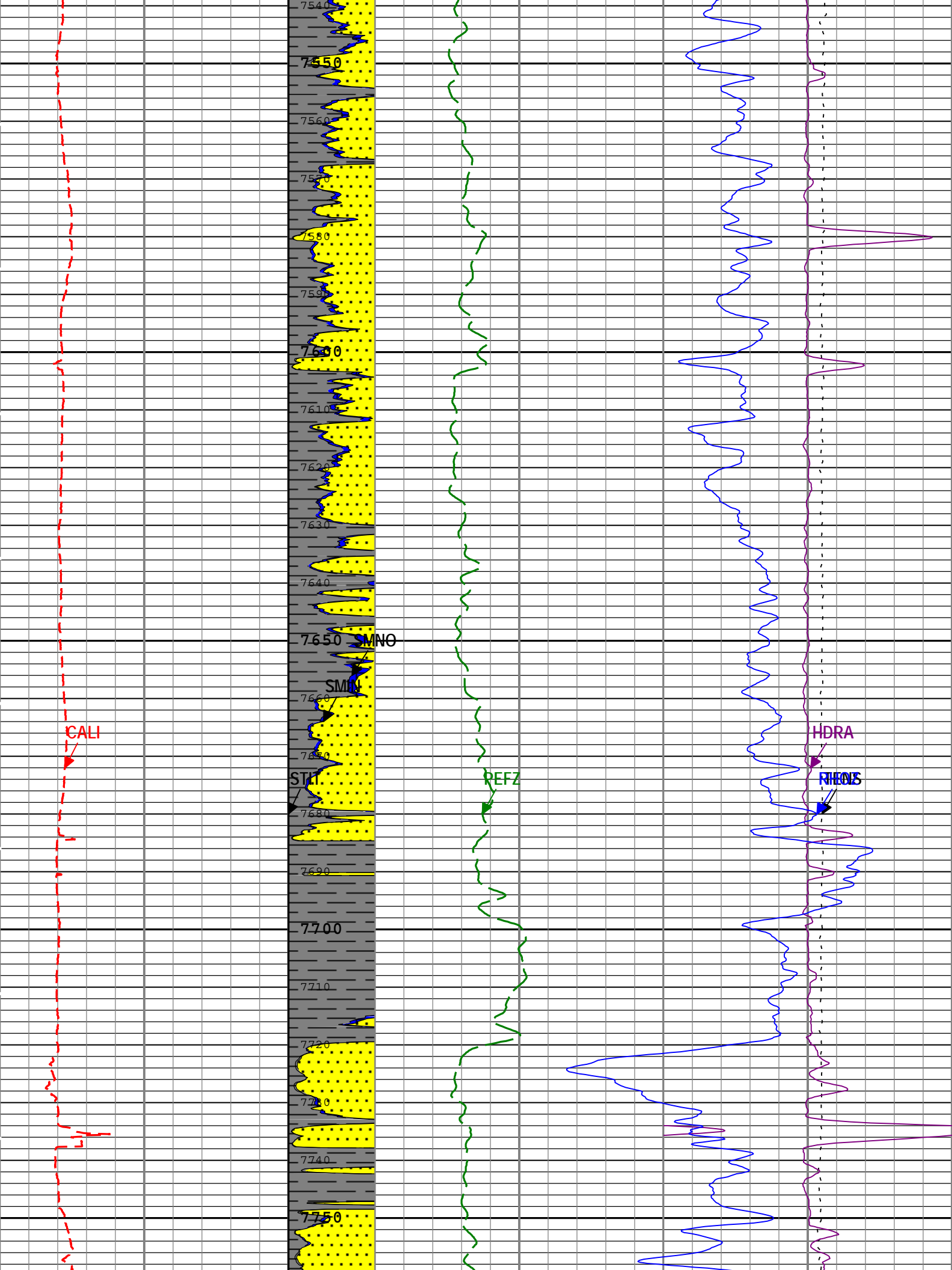


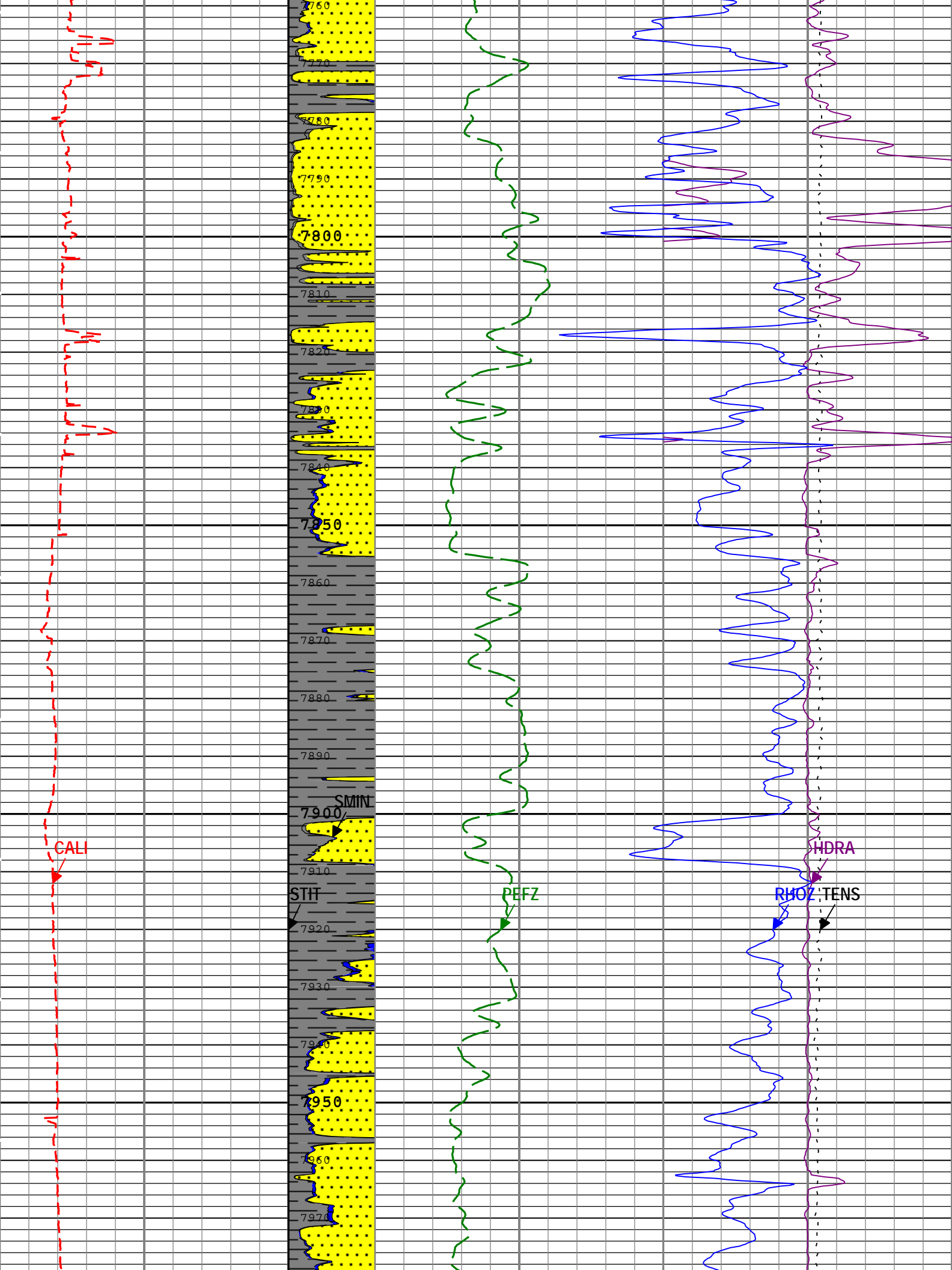


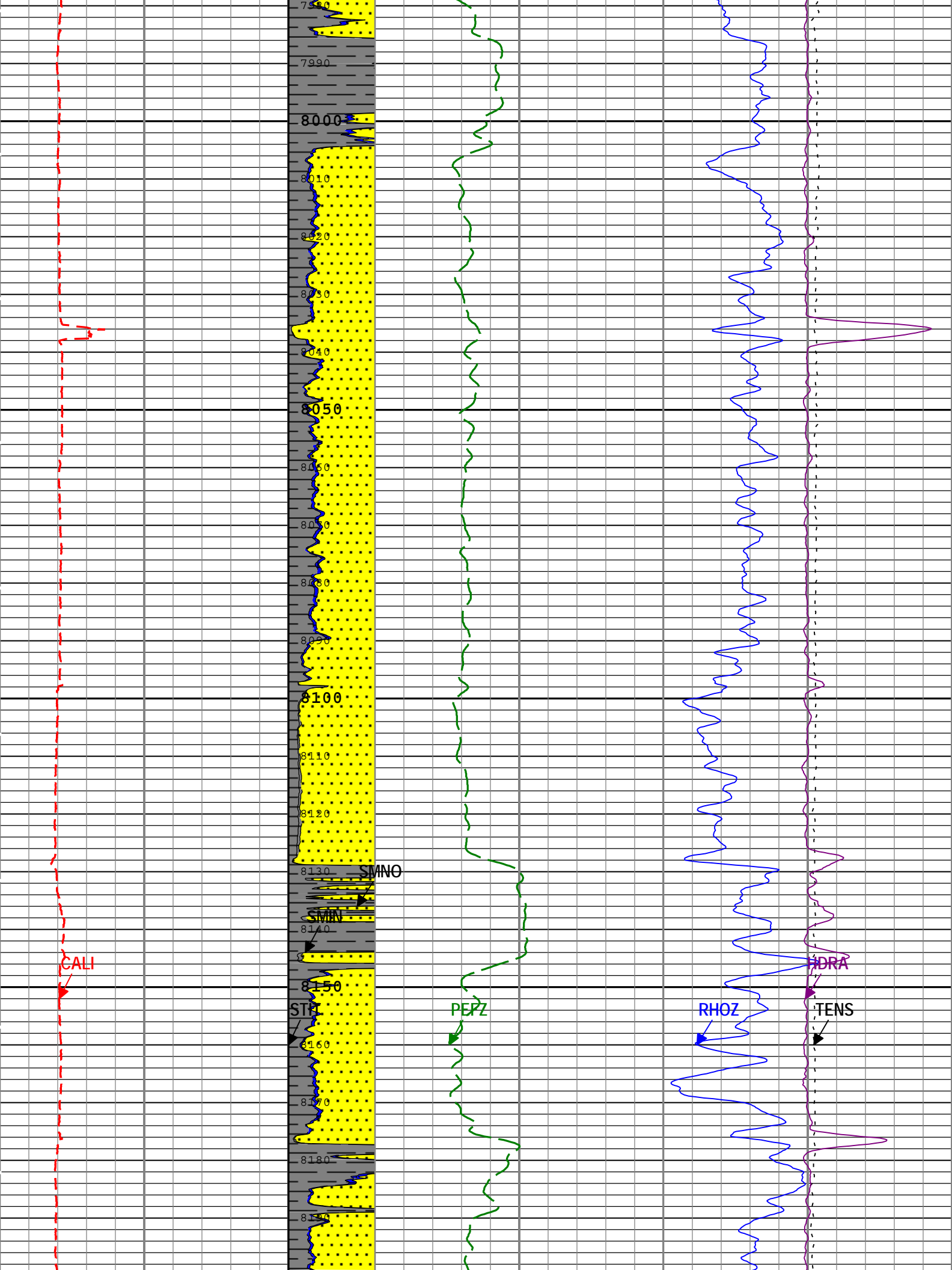


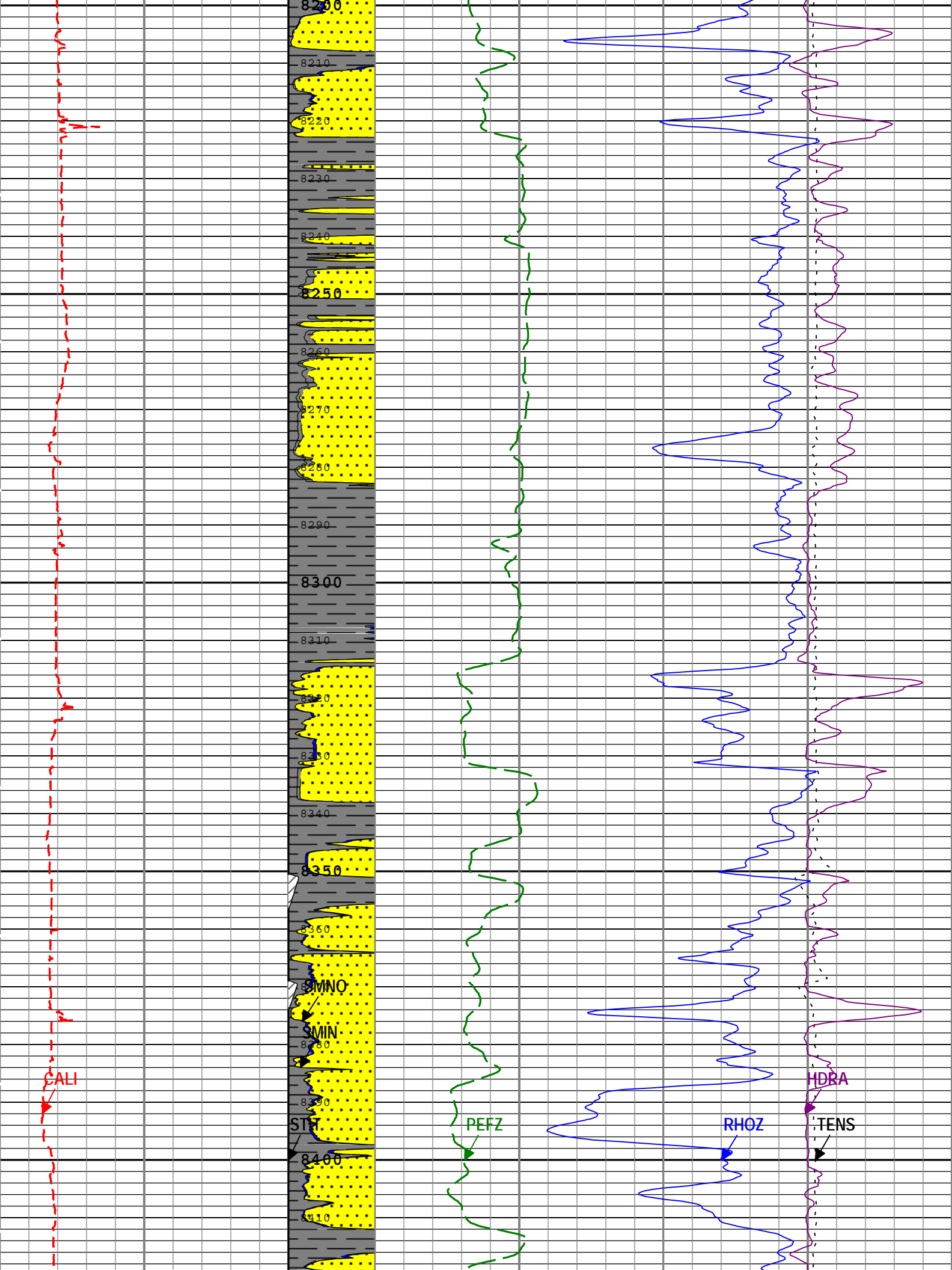


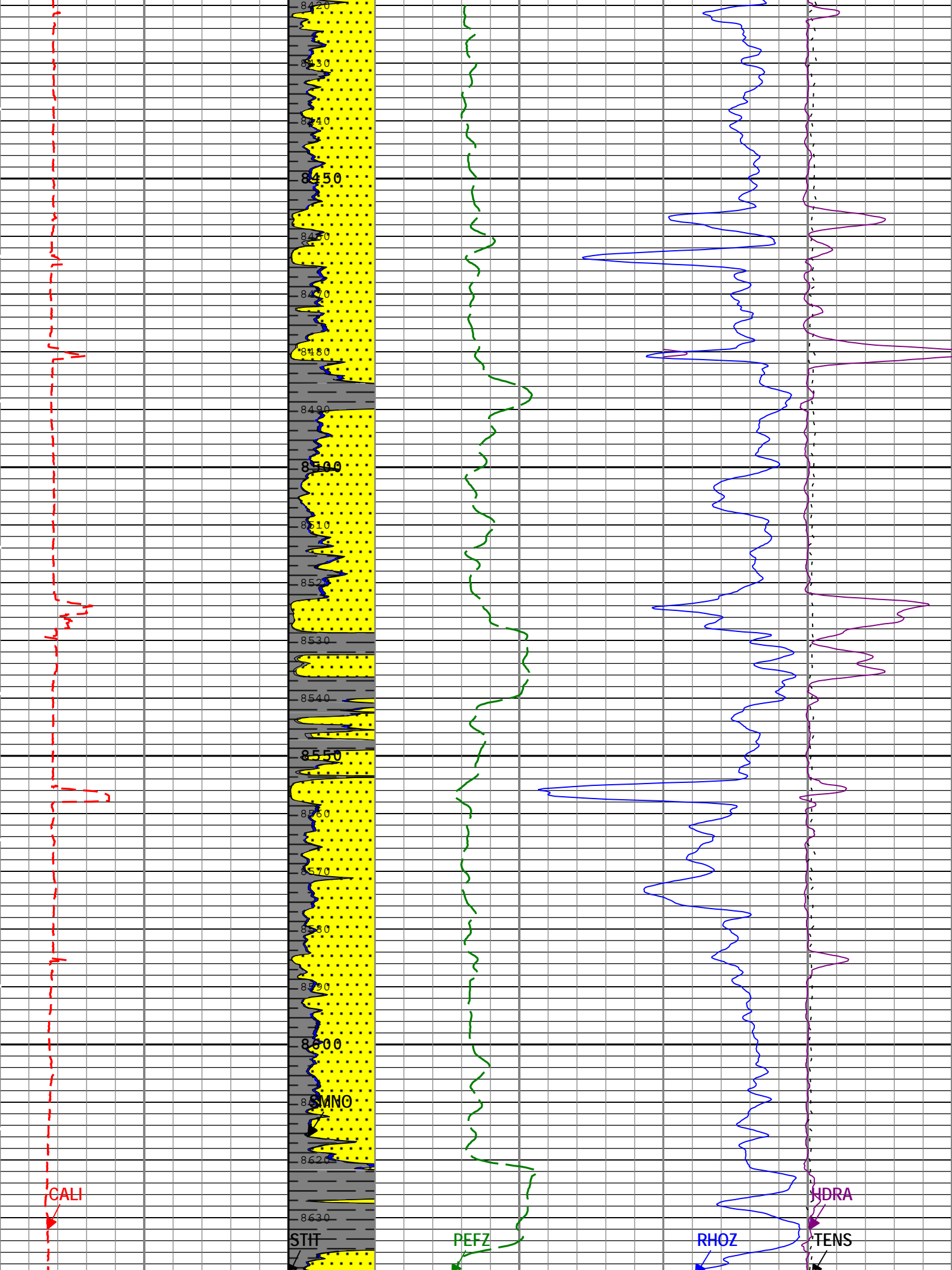


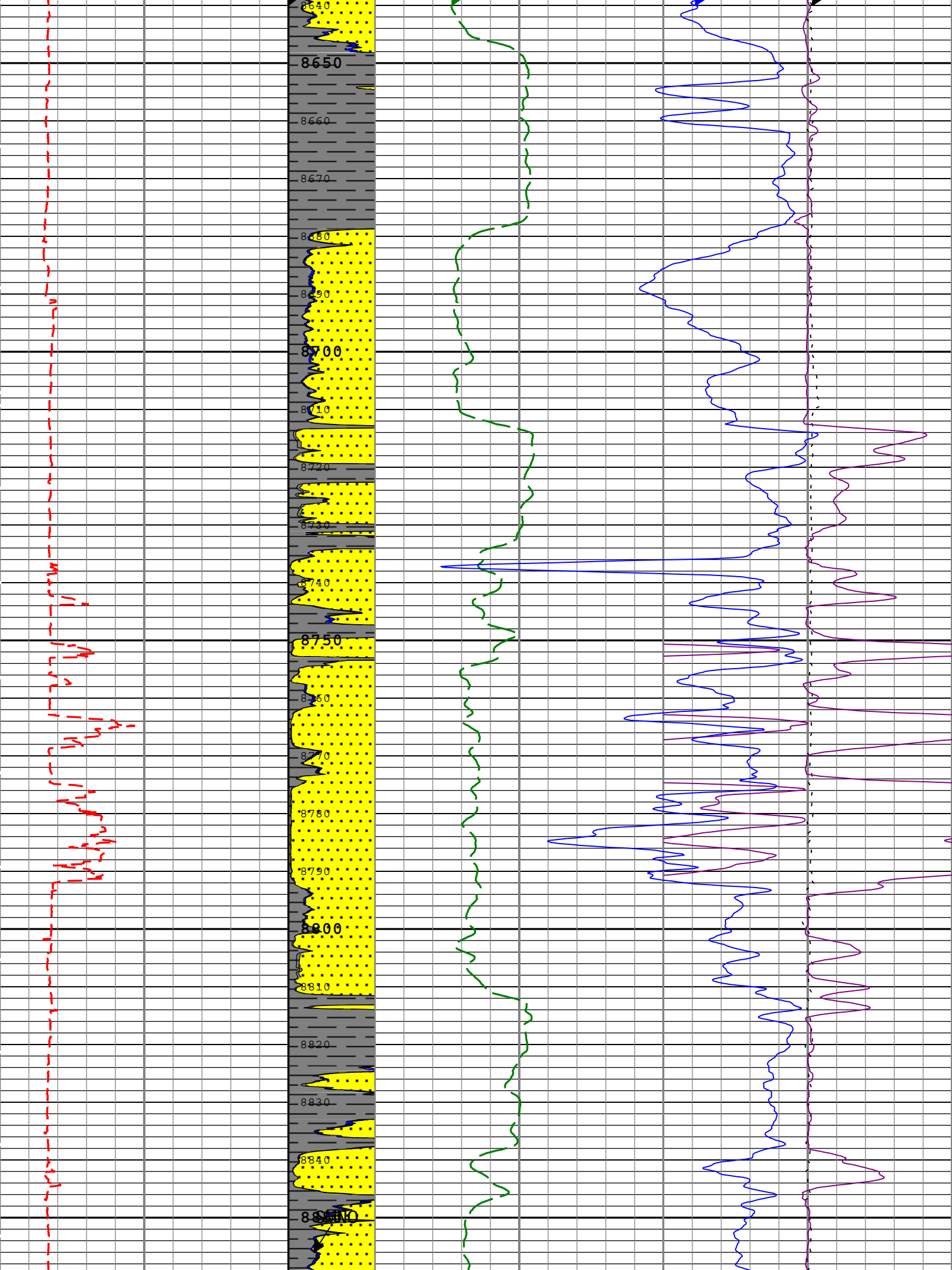


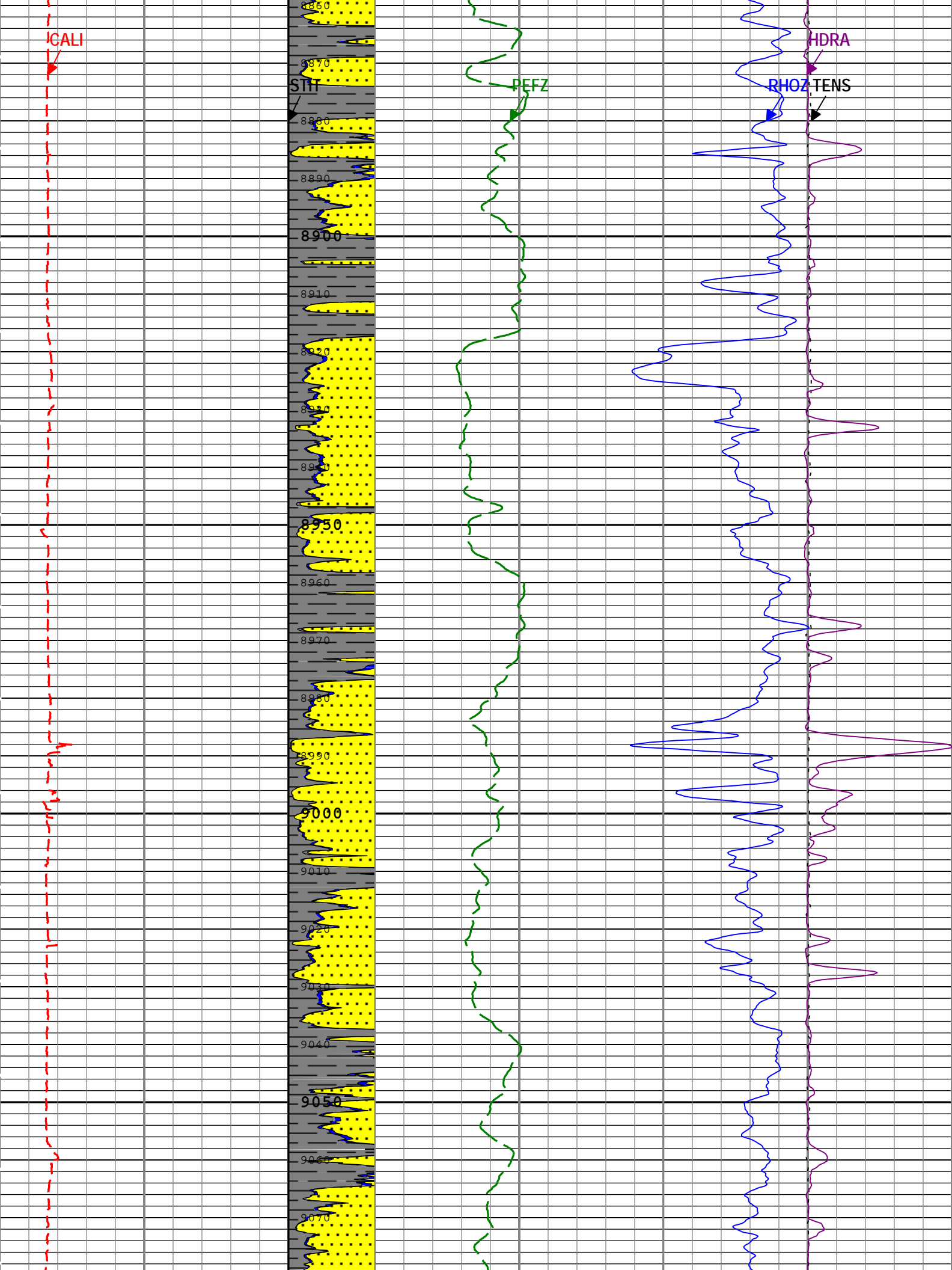


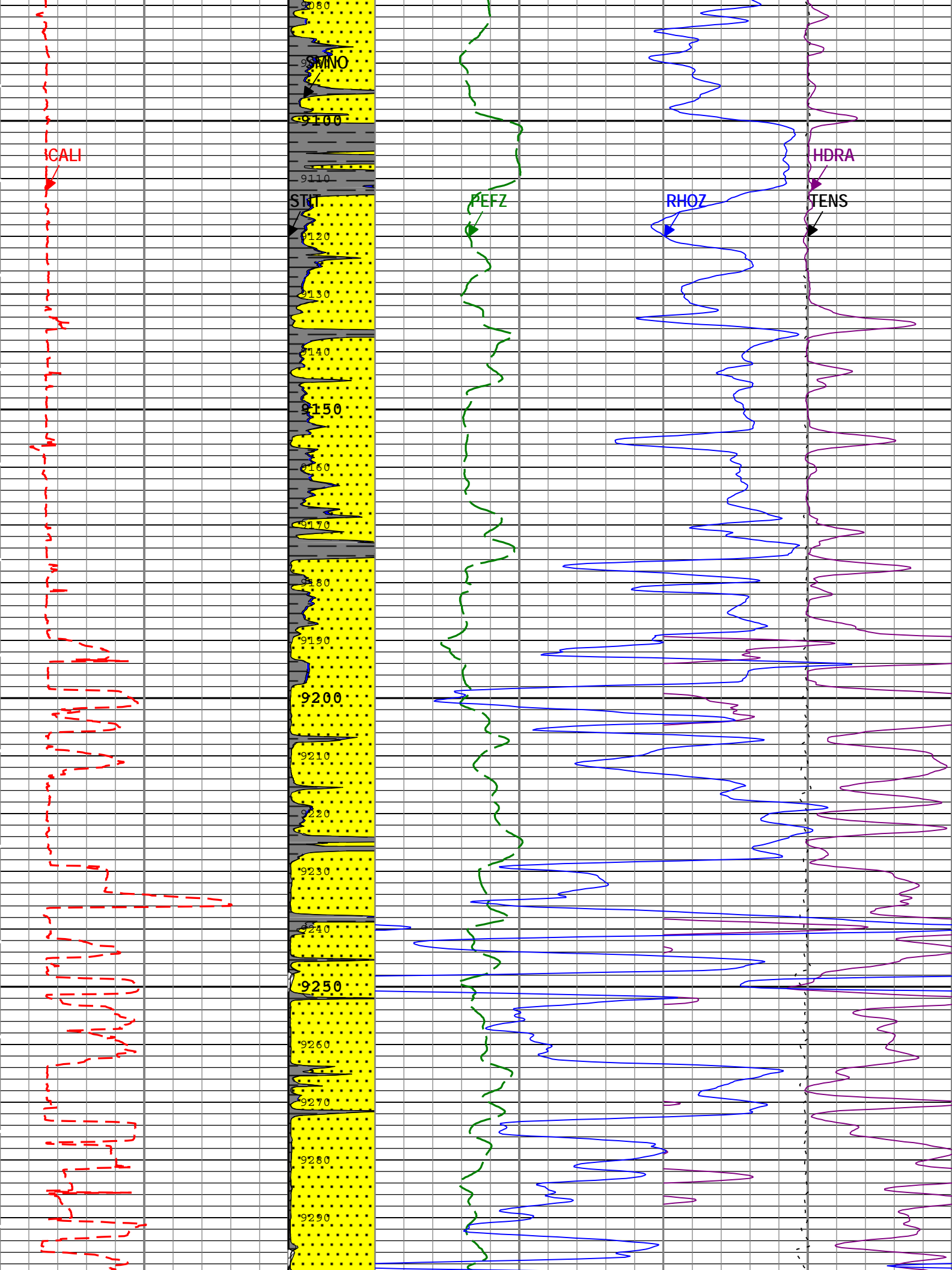


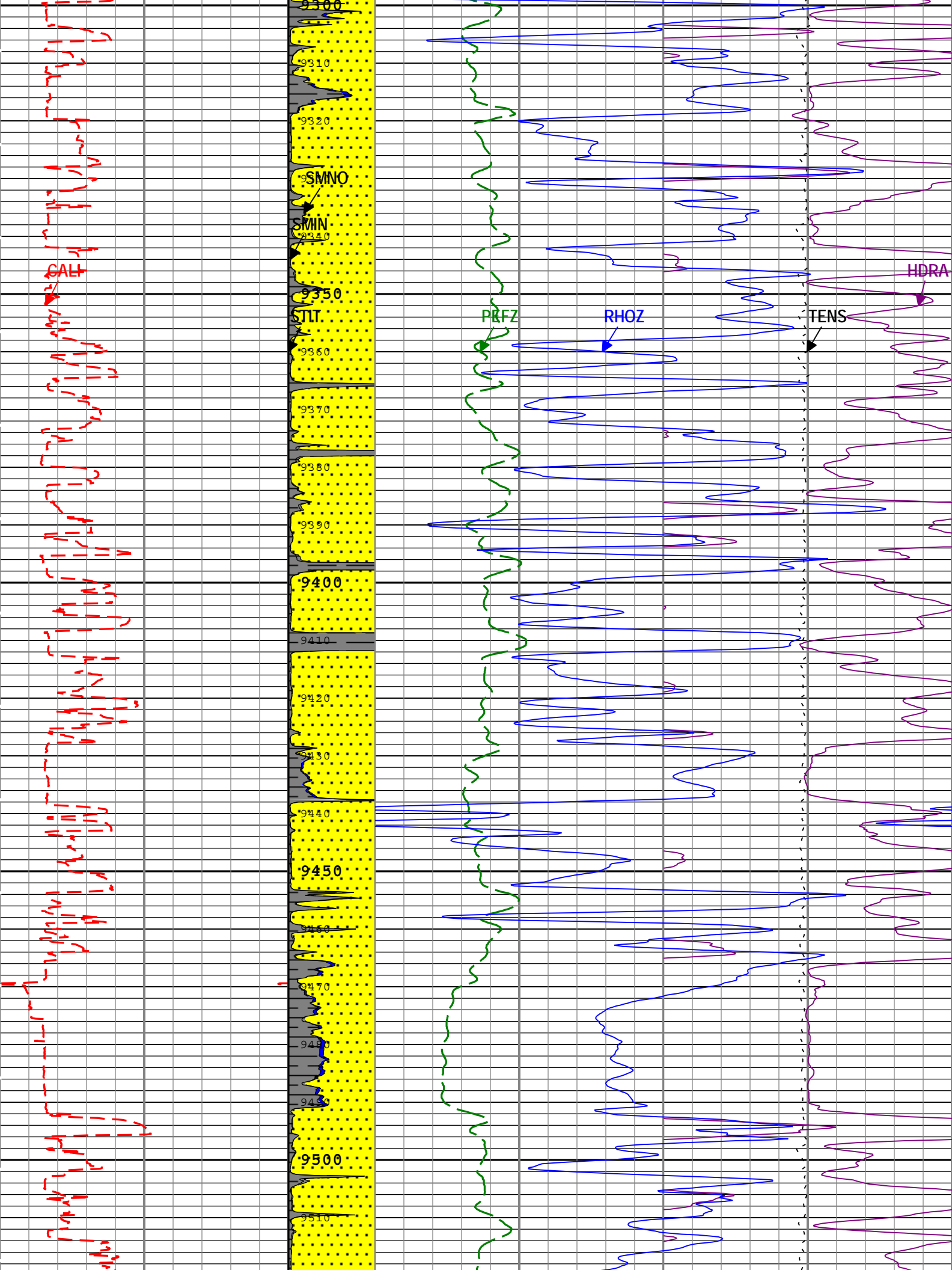


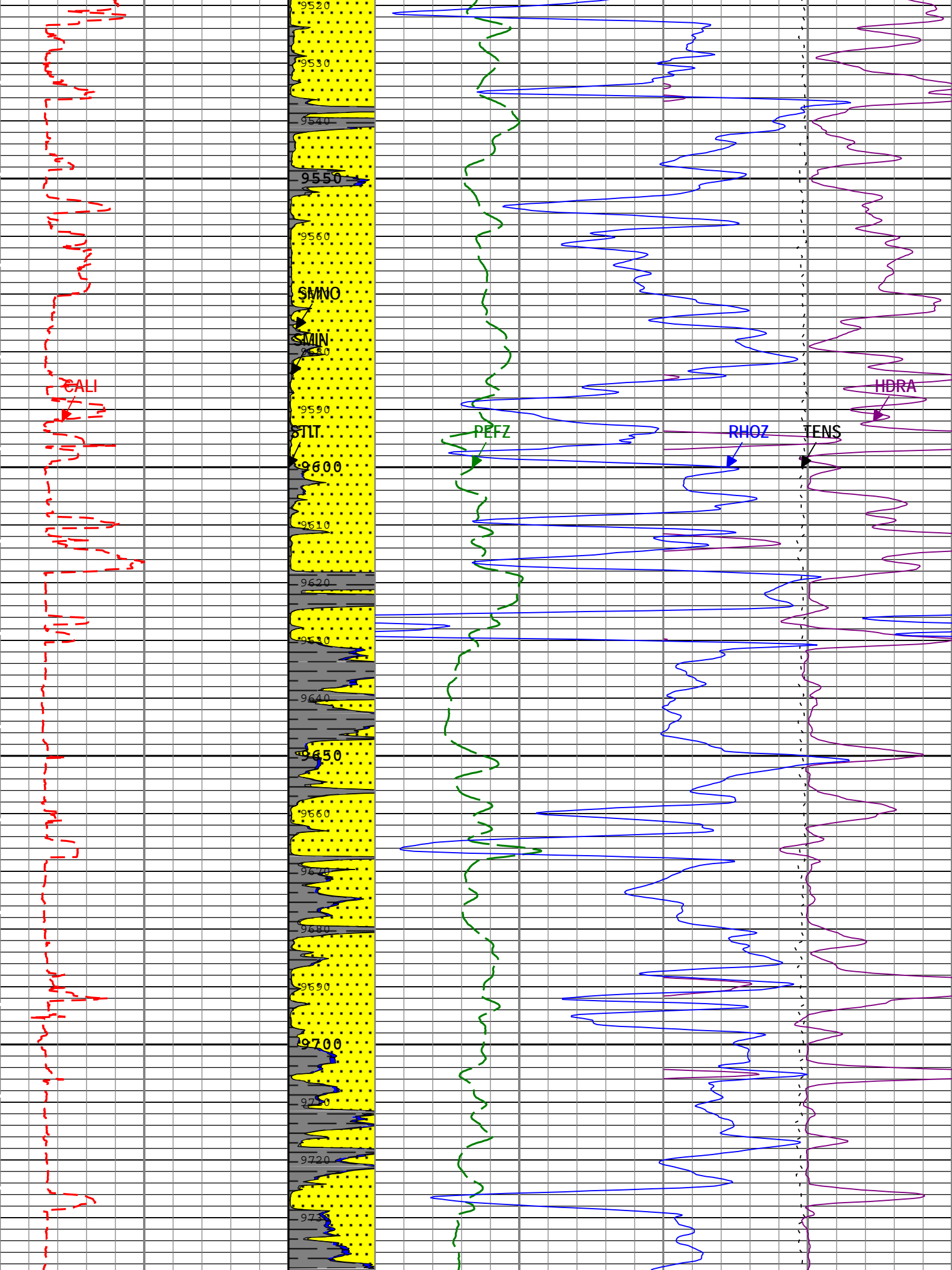


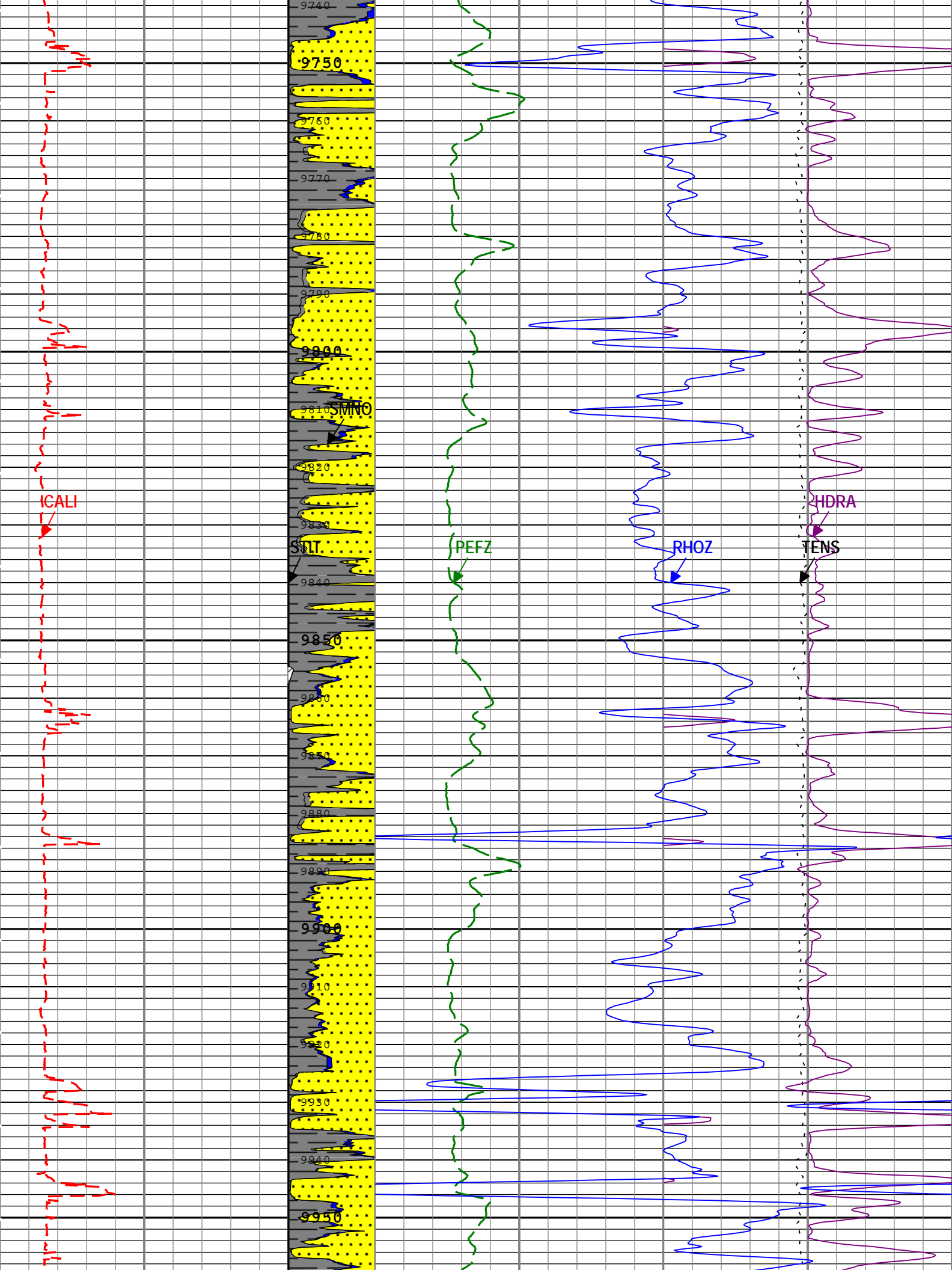


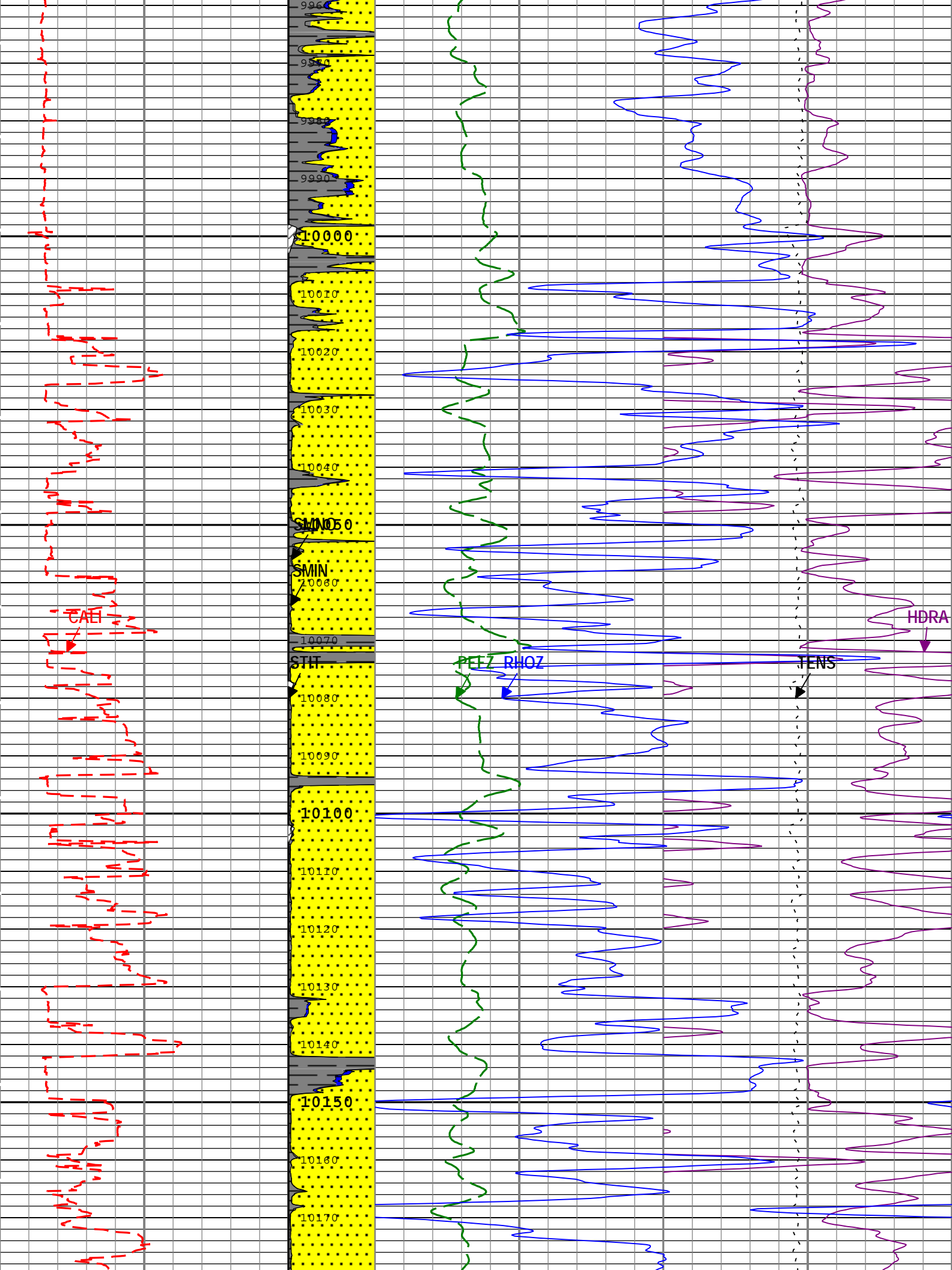


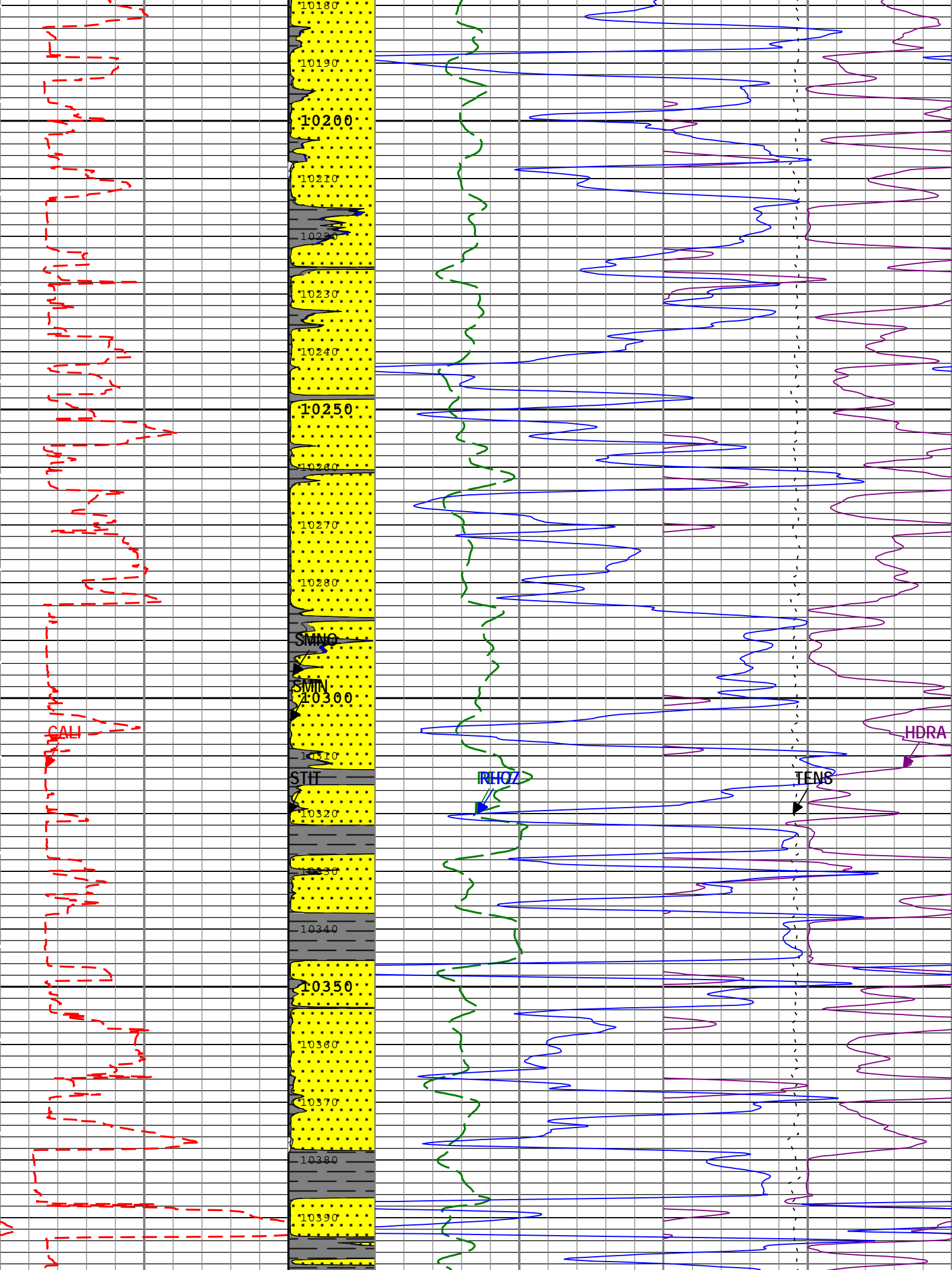


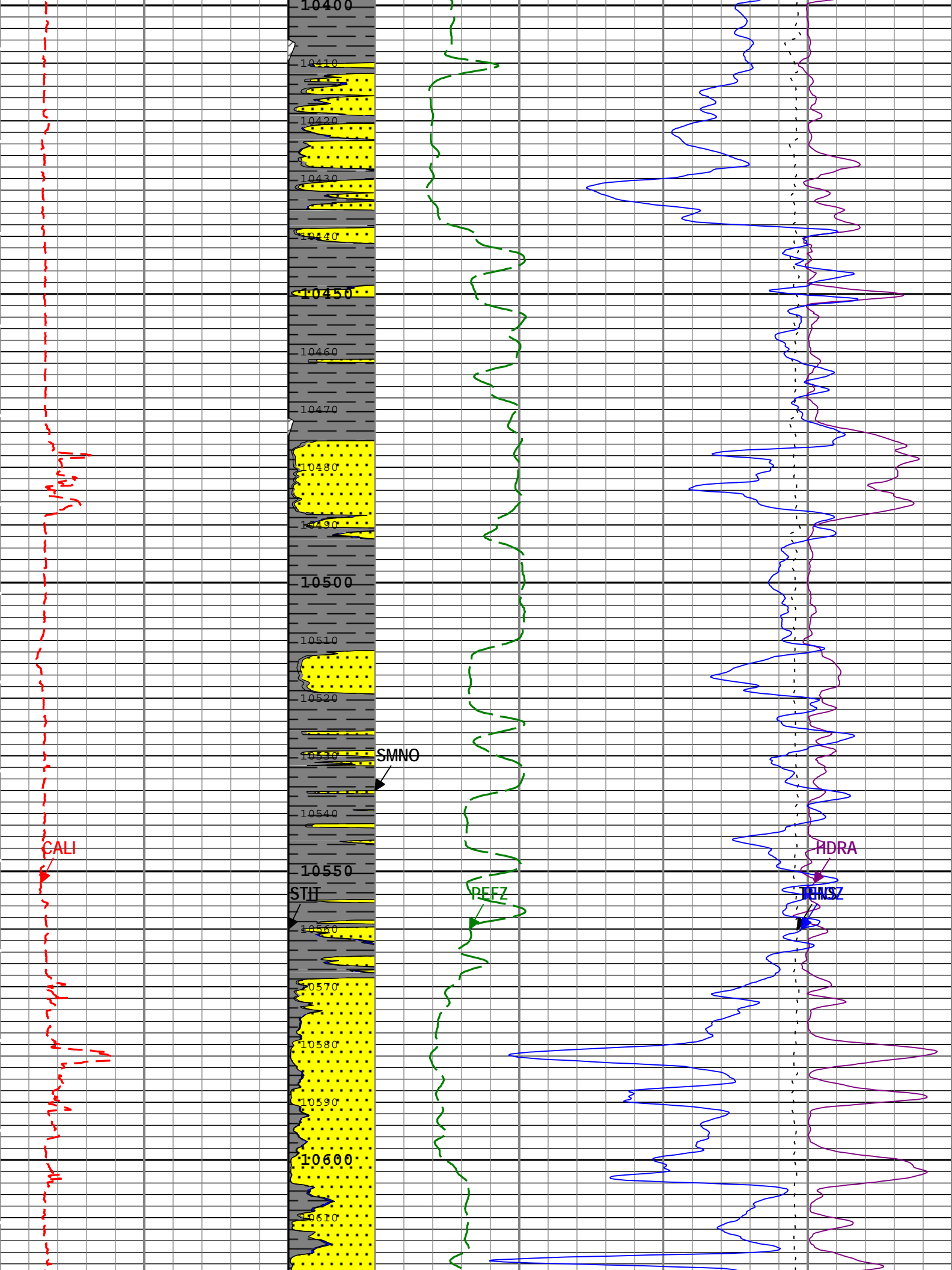


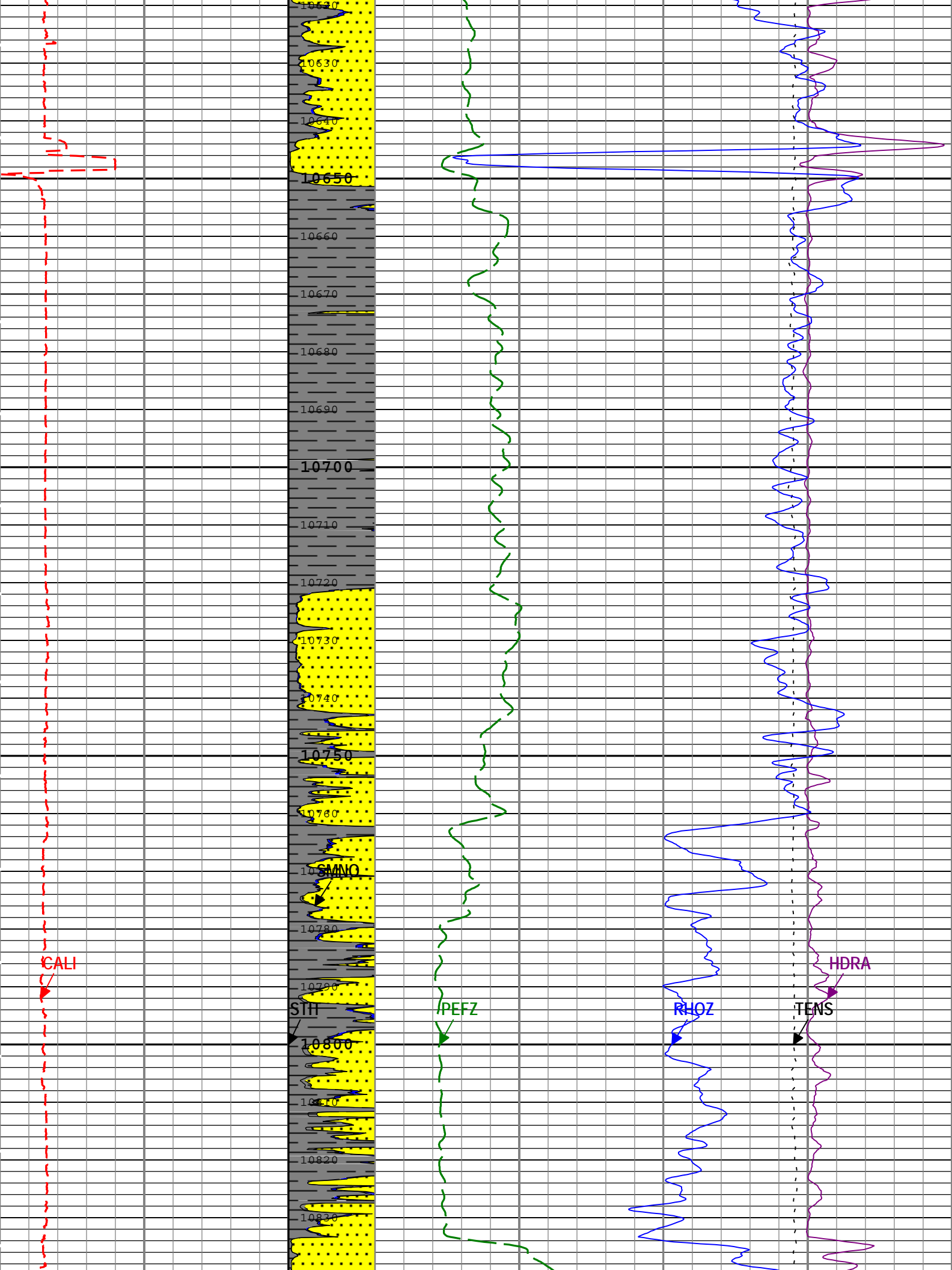


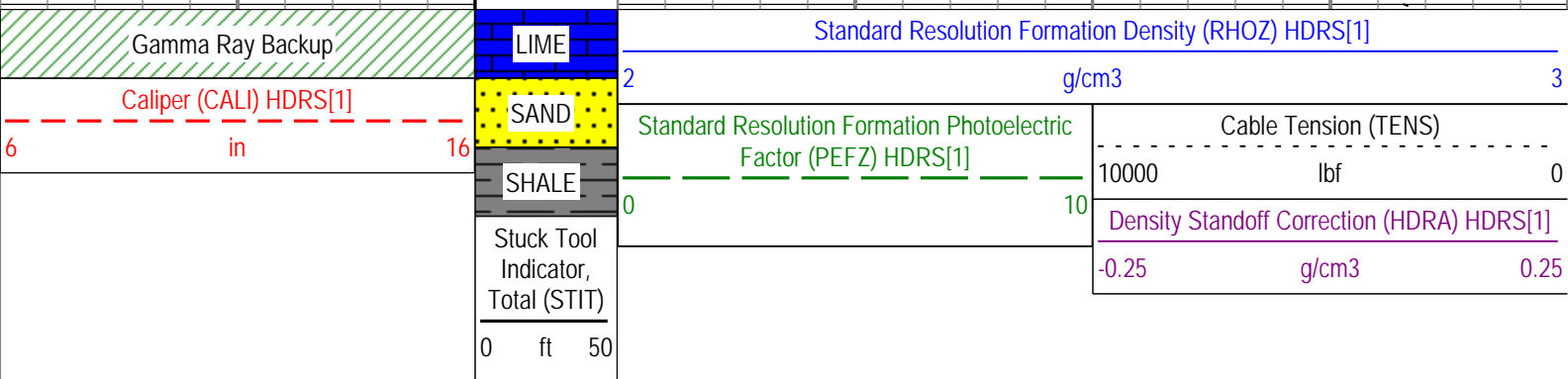












Description: HGNS standard resolution porosities for Platform Express					Format: Log (KM 5in Density)	Index Scale: 5 in per 100 ft	Index Unit: ft	Index
Type: Measured Depth					Creation Date: 07-Feb-2014 11:59:36			

Channel Processing Parameters

Run 1: Parameters

Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BS	Bit Size	WLSESSION	7.875	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	5044	ft

DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
GRSE	Generalized Mud Resistivity Selection, from Measured or Computed Mud Resistivity	Borehole	AMF	

Tool Control Parameters				
Run 1: Parameters				
Parameter	Description	Tool	Value	Unit
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	Time Zoned	ft/h

Run 1Time Zoned Parameters

Pass Main[3]:Up					
Parameter	Value	Start Time	Stop Time	Start Depth (ft)	Stop Depth (ft)
MAX_LOG_SPEED	985	07-Feb-2014 05:54:55	07-Feb-2014 05:58:36	10972.41	10926.05
MAX_LOG_SPEED	1040	07-Feb-2014 05:58:36	07-Feb-2014 06:06:55	10926.05	10787.15
MAX_LOG_SPEED	968	07-Feb-2014 06:06:55	07-Feb-2014 06:28:44	10787.15	10443.54
MAX_LOG_SPEED	1026	07-Feb-2014 06:28:44	07-Feb-2014 06:30:48	10443.54	10410.55
MAX_LOG_SPEED	970	07-Feb-2014 06:30:48	07-Feb-2014 06:34:57	10410.55	10343.68
MAX_LOG_SPEED	1030	07-Feb-2014 06:34:57	07-Feb-2014 07:05:03	10343.68	9852.37
MAX_LOG_SPEED	967	07-Feb-2014 07:05:03	07-Feb-2014 07:18:35	9852.37	9635.37
MAX_LOG_SPEED	1024	07-Feb-2014 07:18:35	07-Feb-2014 07:49:50	9635.37	9129.37
MAX_LOG_SPEED	960	07-Feb-2014 07:49:50	07-Feb-2014 08:12:43	9129.37	8760.99
MAX_LOG_SPEED	1042	07-Feb-2014 08:12:43	07-Feb-2014 08:13:45	8760.99	8744.07
MAX_LOG_SPEED	959	07-Feb-2014 08:13:45	07-Feb-2014 08:20:00	8744.07	8641.7
MAX_LOG_SPEED	1020	07-Feb-2014 08:20:00	07-Feb-2014 08:22:06	8641.7	8607.87
MAX_LOG_SPEED	958	07-Feb-2014 08:22:06	07-Feb-2014 08:29:15	8607.87	8503.07

Pass Log[4]:Up					
MAX_LOG_SPEED	1538	07-Feb-2014 08:48:45	07-Feb-2014 08:50:29	8709.32	8700.86
MAX_LOG_SPEED	1436	07-Feb-2014 08:50:29	07-Feb-2014 08:51:31	8700.86	8676.32
MAX_LOG_SPEED	1516	07-Feb-2014 08:51:31	07-Feb-2014 08:59:44	8676.32	8469.87
MAX_LOG_SPEED	1601	07-Feb-2014 08:59:44	07-Feb-2014 09:03:50	8469.87	8365.1
MAX_LOG_SPEED	1503	07-Feb-2014 09:03:50	07-Feb-2014 09:14:06	8365.1	8103.53
MAX_LOG_SPEED	1590	07-Feb-2014 09:14:06	07-Feb-2014 09:16:09	8103.53	8051.73
MAX_LOG_SPEED	1509	07-Feb-2014 09:16:09	07-Feb-2014 09:17:11	8051.73	8026.14
MAX_LOG_SPEED	1591	07-Feb-2014 09:17:11	07-Feb-2014 09:19:14	8026.14	7974.91
MAX_LOG_SPEED	1471	07-Feb-2014 09:19:14	07-Feb-2014 09:22:19	7974.91	7900.12
MAX_LOG_SPEED	1549	07-Feb-2014 09:22:19	07-Feb-2014 09:24:22	7900.12	7849.8
MAX_LOG_SPEED	1465	07-Feb-2014 09:24:22	07-Feb-2014 09:25:24	7849.8	7824.46
MAX_LOG_SPEED	1552	07-Feb-2014 09:25:24	07-Feb-2014 09:27:27	7824.46	7774.27
MAX_LOG_SPEED	1472	07-Feb-2014 09:27:27	07-Feb-2014 09:29:31	7774.27	7723.07
MAX_LOG_SPEED	1556	07-Feb-2014 09:29:31	07-Feb-2014 09:43:53	7723.07	7357.64
MAX_LOG_SPEED	1643	07-Feb-2014 09:43:53	07-Feb-2014 09:50:03	7357.64	7195.28
MAX_LOG_SPEED	1559	07-Feb-2014 09:50:03	07-Feb-2014 09:58:13	7195.28	6980.25
MAX_LOG_SPEED	1676	07-Feb-2014 09:58:13	07-Feb-2014 10:00:15	6980.25	6926.35
MAX_LOG_SPEED	1587	07-Feb-2014 10:00:15	07-Feb-2014 10:01:17	6926.35	6899.08

MAX_LOG_SPEED	1506	07-Feb-2014 10:01:17	07-Feb-2014 10:02:18	6899.08	6872.28
MAX_LOG_SPEED	1603	07-Feb-2014 10:02:18	07-Feb-2014 10:07:27	6872.28	6740.12
MAX_LOG_SPEED	1449	07-Feb-2014 10:07:27	07-Feb-2014 10:09:29	6740.12	6689.02
MAX_LOG_SPEED	1571	07-Feb-2014 10:09:29	07-Feb-2014 10:23:48	6689.02	6328.04
MAX_LOG_SPEED	1660	07-Feb-2014 10:23:48	07-Feb-2014 10:40:12	6328.04	5914.22
MAX_LOG_SPEED	1564	07-Feb-2014 10:40:12	07-Feb-2014 10:45:19	5914.22	5780.35
MAX_LOG_SPEED	1718	07-Feb-2014 10:45:19	07-Feb-2014 10:53:32	5780.35	5559.07
MAX_LOG_SPEED	1620	07-Feb-2014 10:53:32	07-Feb-2014 10:55:35	5559.07	5504.02
MAX_LOG_SPEED	1735	07-Feb-2014 10:55:35	07-Feb-2014 10:59:40	5504.02	5392.69
MAX_LOG_SPEED	1561	07-Feb-2014 10:59:40	07-Feb-2014 11:00:42	5392.69	5365.48
MAX_LOG_SPEED	1661	07-Feb-2014 11:00:42	07-Feb-2014 11:10:55	5365.48	5092.87
MAX_LOG_SPEED	1527	07-Feb-2014 11:10:55	07-Feb-2014 11:14:02	5092.87	5010.91
All depth are at tool zero.					

Company:	Mustang Creek Operating LLC	Schlumberger
Well:	Graham 1 13	
Field:	Wildcat	
County:	El Paso	
State:	Colorado	
Platform Express		
Compensated Neutron Log		
LithoDensity		