

Company: DEJOUR ENERGY

Well: FEDERAL 6-7-16-21

Field: KOKEPELLI

County: GARFIELD Country: USA

PLATFORM EXPRESS

COMPENSATED NEUTRON, LITHO

INDUCTION RESISTIVITY, GR, SP

County: GARFIELD
Field: KOKEPELLI
Location: 1774' FEL, 777' FSL
Well: FEDERAL 6-7-16-21
Company: DEJOUR ENERGY

Location:		Elev. K.B.	
1774' FEL, 777' FSL		7008.00 ft	
Permanent Datum:		Mean Sea Level	
Log Measured From:		Drill Floor	
Drilling Measured From:		Drill Floor	
API Serial No.	Max. Hole Deviation	Longitude:	Latitude:
05-045-21183-00	0 deg	-107.55580 degrees	39.580100 degrees

Logging Date 23-Sep-2012

Run Number 1

Depth Driller 8436.00 ft

Schlumberger Depth 8445.00 ft

Bottom Log Interval 8445.00 ft

Top Log Interval 200.00 ft

Casing Driller Size @ Depth 9.625 in @ 1231.00 ft

Casing Schlumberger 1231 ft

Bit Size 8.75 in

Type Fluid In Hole Water

Density 9.25 lbm/gal

Viscosity 64 s

PH 8.4

MUD

Source of Sample Active Tank

RM @ Meas Temp 1.61 ohm.m @ 88.5 degF

RMF @ Meas Temp 1.41 ohm.m @ 75 degF

RMC @ Meas Temp 2.35 ohm.m @ 75 degF

Source RMF RMC Calculated

RM @ BHT 0.7 @ 212 0.53 @ 212

Max Recorded Temperatures 189.27 degF

Circulation Stopped 22-Sep-2012 06:23:12

Logger on Bottom 23-Sep-2012 02:34:26

Unit Number 2275

Location: VERNAL

Recorded By Gareth Stamp

Witnessed By John Morris

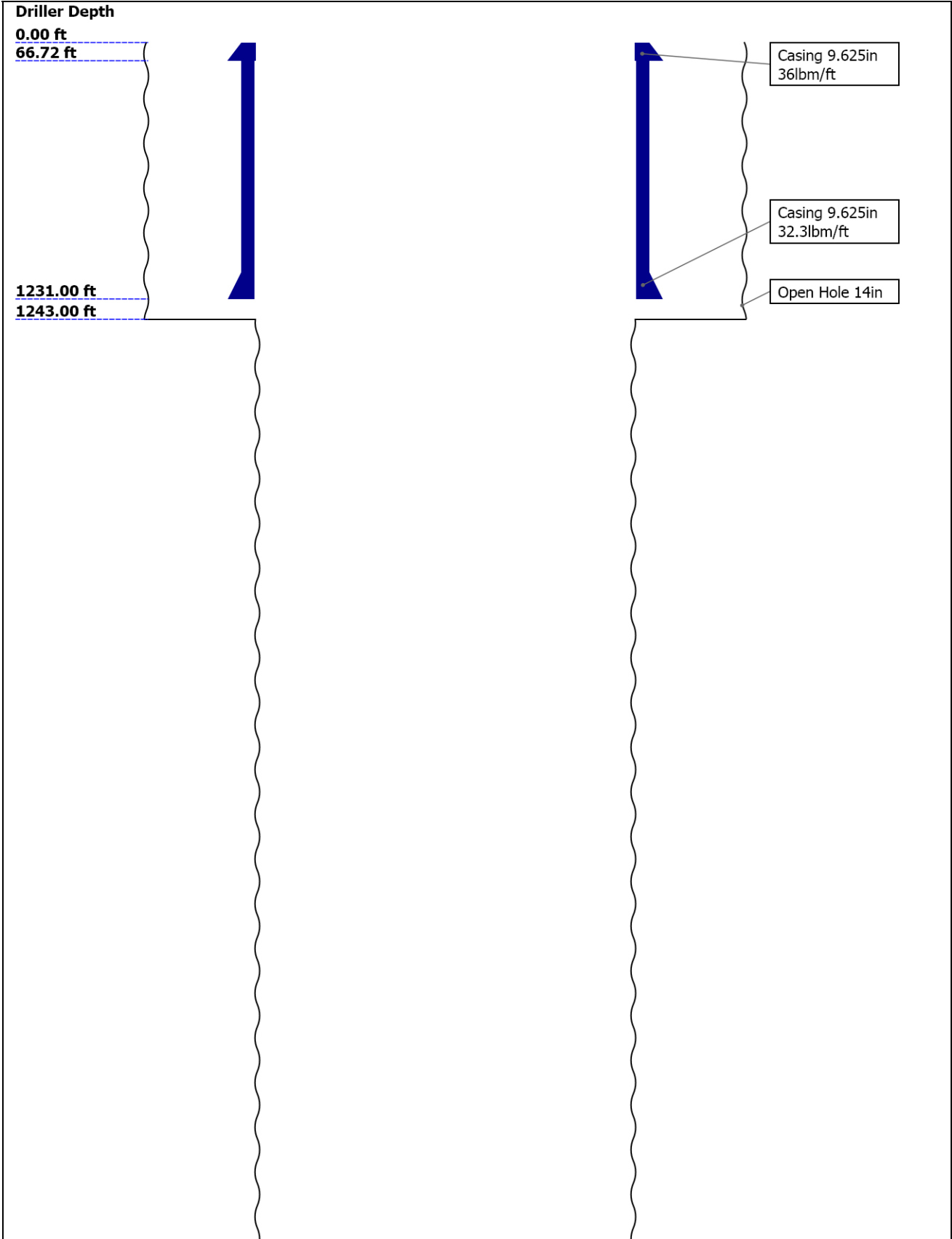
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Well Sketch



8436.00 ft

Open Hole 8.75in

Borehole Size/Casing/Tubing Record

Bit						
Bit Size (in)	14	8.75				
Top Driller (ft)	0	1243				
Top Logger (ft)	0	1243				
Bottom Driller (ft)	1243	8436				
Bottom Logger (ft)	1243	8436				
Casing						
Size (in)	9.625	9.625				
Weight (lbm/ft)	36	32.3				
Inner Diameter (in)	8.914	8.99				
Grade	J55	H40				
Top Driller (ft)	0	66.72				
Top Logger (ft)	0	66.72				
Bottom Driller (ft)	66.72	1231				
Bottom Logger (ft)	66.72	1231				

Borehole Fluids

Parameter(unit)	Run 3					
Fluid Type	Water					
Max Recorded Temperatures (degF)	189.27					
Source of Sample	Active Tank					
Salinity (ppm)	2857.51					
Density (lbm/gal)	9.25					
Funnel Viscosity (s)	64					
Fluid Loss (cm3)						
PH	8.4					
Date/Time Circulation Stopped	22-Sep-2012 06:23:12					
Date Logger on Bottom	23-Sep-2012					
Time Logger on Bottom	02:34:26					
Source RMF						
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	1.61 @ 88.5					
RMF @ Meas Temp (ohm.m@degF)	1.41 @ 75					
RMC @ Meas Temp (ohm.m@degF)	2.35 @ 75					

RM @ BHT (ohm.m@degF)	0.7 @ 212					
RMF @ BHT (ohm.m@degF)	0.53 @ 212					
RMC @ BHT (ohm.m@degF)	0.88 @ 212					
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary

Run 3: Toolstring				Run 3: Remarks
Equip name	Length	MP name	Offset	TOOLS RAN AS PER TOOL SKETCH
LEH-QT:2968	43.57			DENSITY AND RESISTIVITY TOOLS AFFECTED BY WASHOUTS
LEH-QT:2968				TOOLSTRING RAN AS PER TOOLSKETCH
DTC-H:9354	40.65			STANDOFFS AND BOWSPRING NOT USED AS PER CLIENT REQUEST
ECH-KC:10440		CTEM	39.75	MAXIMUM DEVIATION FROM HGNS 29.2 DEGREES
DTC-H:9354		HV	0.00	
HGNS-H:3985	37.65	TelStatus	37.65	
HGNH:3785		ToolStatus	37.65	
NSR-F:2649		Temperatur	37.62	
NPV-N				
HGNS-H:3985		GR	36.91	
HACCZ-H:4269				
HMCA-H				
		CNL Porosity	30.57	
		HMCA	28.24	
		HGNS	28.24	
		Accelerometer	0.00	
HDRS-H:3970	28.24			
ECH-MEB				
HRCC-H:3853		HRCC	24.24	
HRMS-H:3970				
Backscatter:26714				
Short Spacing:27987				
Long Spacing:28927				
GPV-Q				
HRGD-H:4744		MCFL	18.81	
GSR-J:5175		Caliper	18.33	
		TLD Density	17.94	
AIT-M:266	16.00			
AMIS:266				
AMRM:266				
		Induction	7.91	
		Power Supply	7.91	
		Temperature	7.91	



Run 3

PLATFORM EXPRESS 1:240

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
IHV	Integrated Hole Volume	GCSE_UP_PASS	3275.72	ft3
ICV	Integrated Cement Volume	GCSE_UP_PASS, FCD	2478.48	ft3

Software Version

Acquisition System	Version
MaxWell	3.1.9755.0
Application Patch	SP-20120723-3.1.9755.1112
	EXP_APL-MASTAXIS-3.1.9755.1221

Computation	Description	Version
Borehole	Borehole Ensemble provides common Borehole Parameters and Channels	3.1.9755.0
HENVIR	Computation Ensemble for the HGNS Neutron environmental corrections	3.1.9755.0

Tool Elements	Description	Software Version	Firmware Version
HRCC-H	HILT High-Resolution Control Cartridge, 150 degC	3.1.9755.0	2.0
HGNS-H	HILT Gamma-Ray and Neutron Sonde, 150 degC	3.1.9755.0	2.0
HRGD-H	HILT Resistivity Gamma-Ray Density Device, 150 degC	3.1.9755.0	3.0
AMIS	Array Induction Sonde - M	3.1.9755.1112	1

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Depth Shift	Include Parallel Data
Run 3	Log[4]:Up	Up	237.57 ft	8471.81 ft	23-Sep-2012 2:21:26 AM	23-Sep-2012 4:42:56 AM	37.75 ft	

All depths are referenced to toolstring zero

LogRun 3: Log[4]:Up

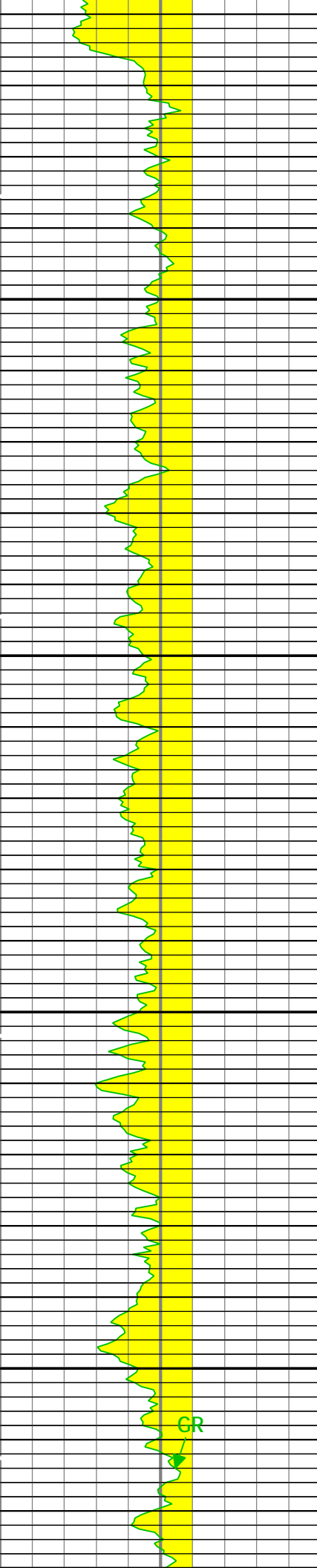
Description: Triple Combo standard resolution template for Platform Express Format: Log (PEX Triple Combo StdRes) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 23-Sep-2012 06:38:23

Channel	Source	Sampling
AT10	AIT-M:AMIS:AMIS	3in
AT20	AIT-M:AMIS:AMIS	3in
AT30	AIT-M:AMIS:AMIS	3in
AT60	AIT-M:AMIS:AMIS	3in
AT90	AIT-M:AMIS:AMIS	3in
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DEPT	HDRS-H:HRMS-H:HRSD-H	3in

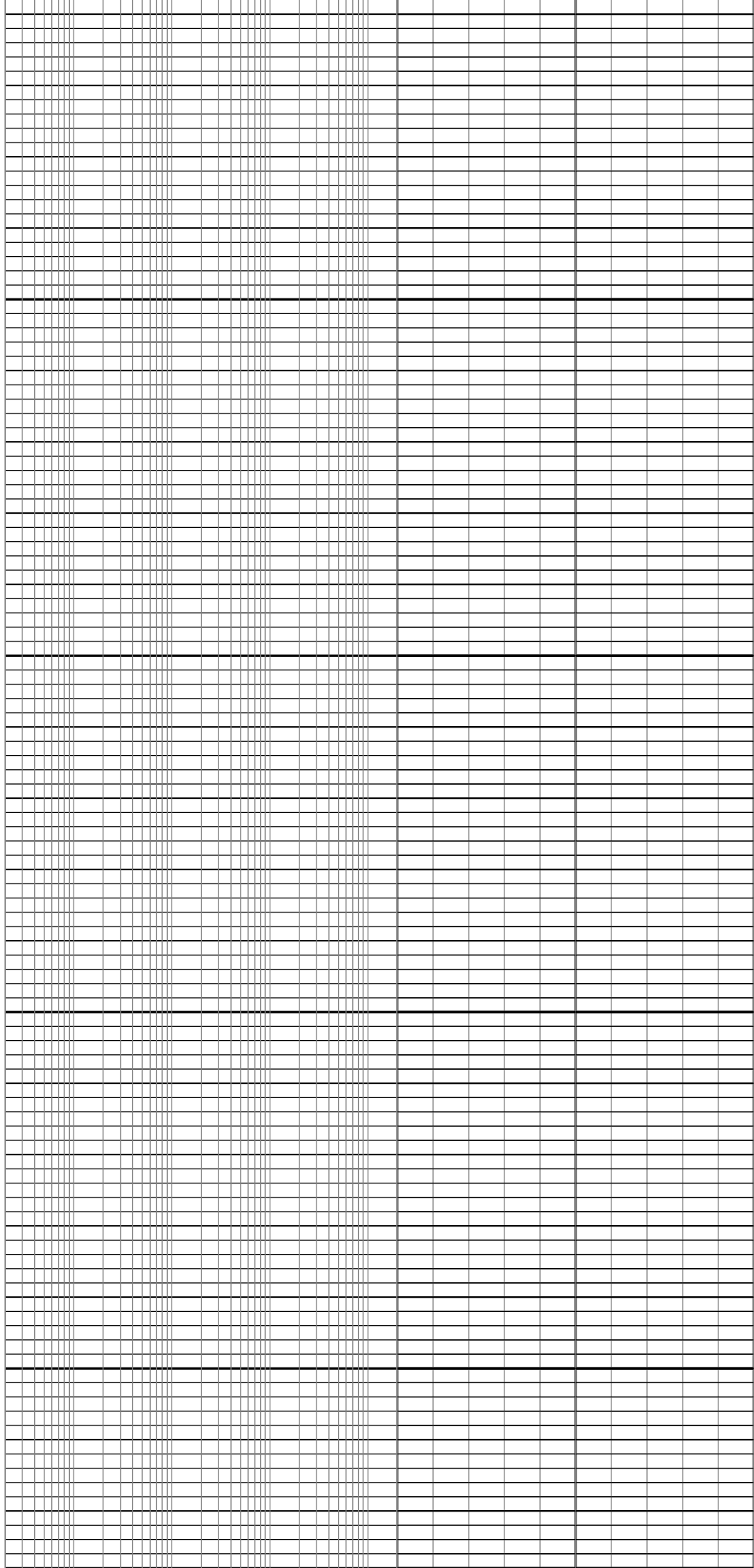
TIME_1900 - Time Marked every 60.00 (s)

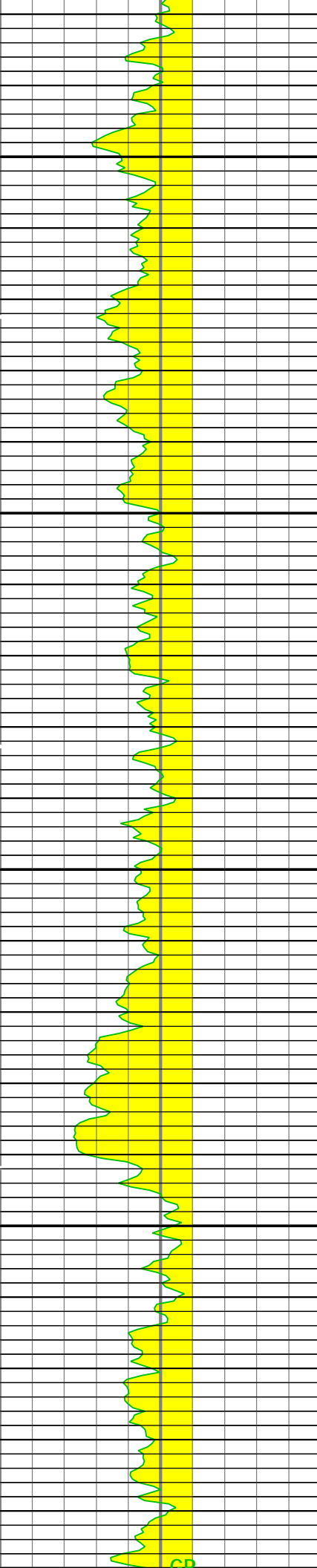
Array Induction Two Foot Resistivity A10 (AT10) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A20 (AT20) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A60 (AT60) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A90 (AT90) AIT-M		
0.2	ohm.m	2000
Invaded Formation Resistivity filtered at 18 inches (RXOZ) HDRS-H		
0.2	ohm.m	2000

Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H	Density Standoff Correction (HDRA) HDRS-H
0 ————— 10	-0.2 — g/cm ³ — 0.5
Gas Effect from DPHZ to NPOR	
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H	
0.3 ————— ft3/ft3 ————— -0.1	
Standard Resolution Density Porosity (DPHZ) HDRS-H	
0.3 ————— ft3/ft3 ————— -0.1	

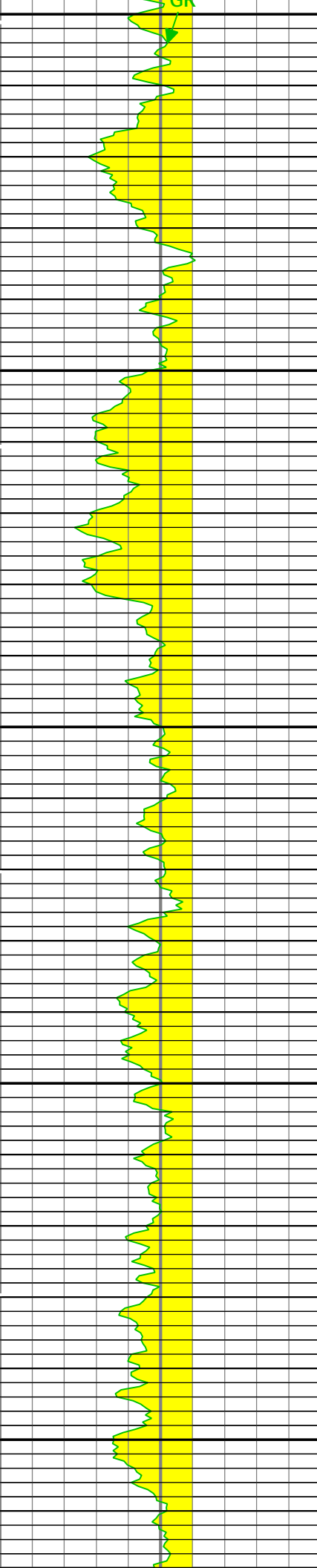


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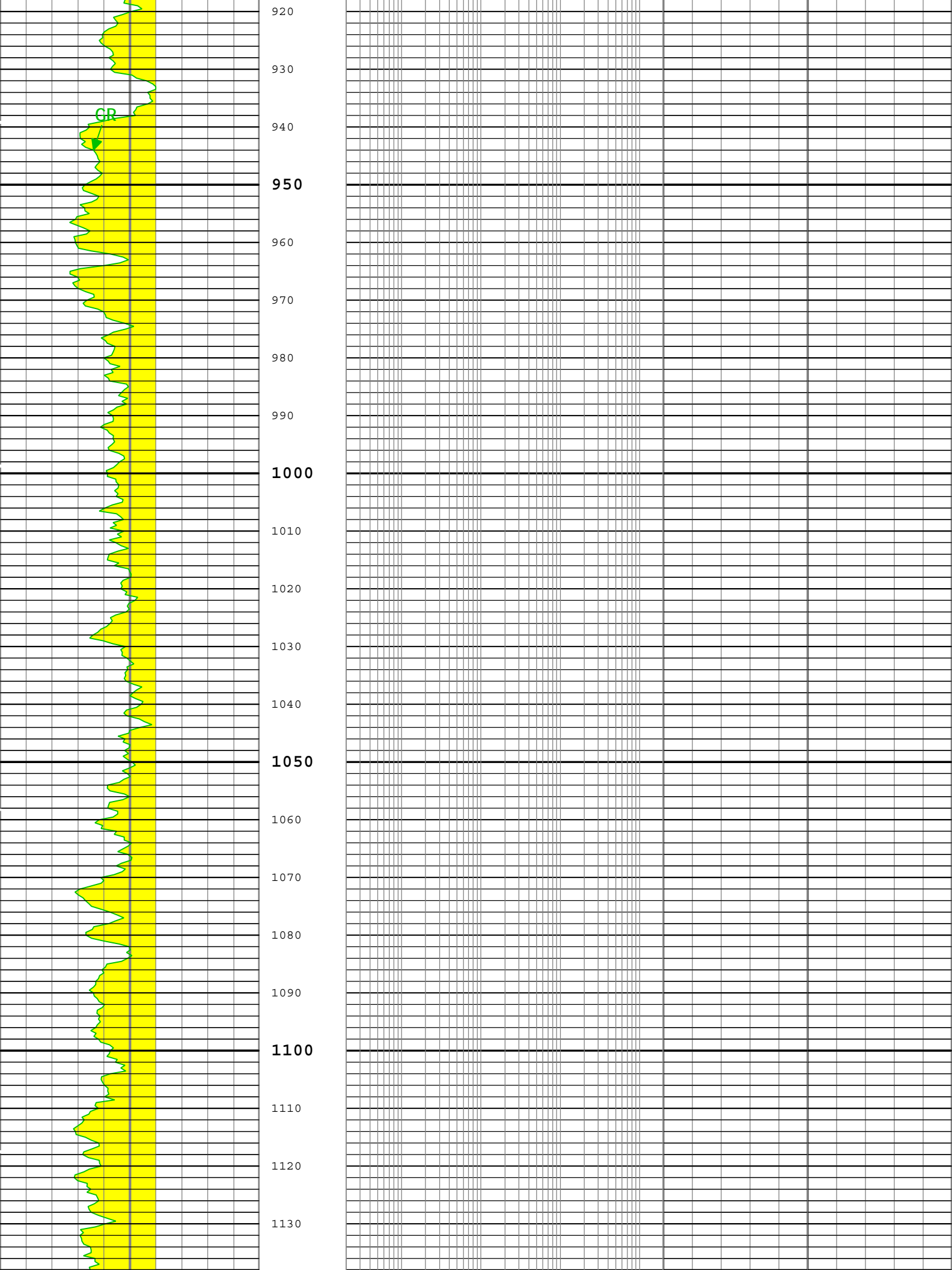
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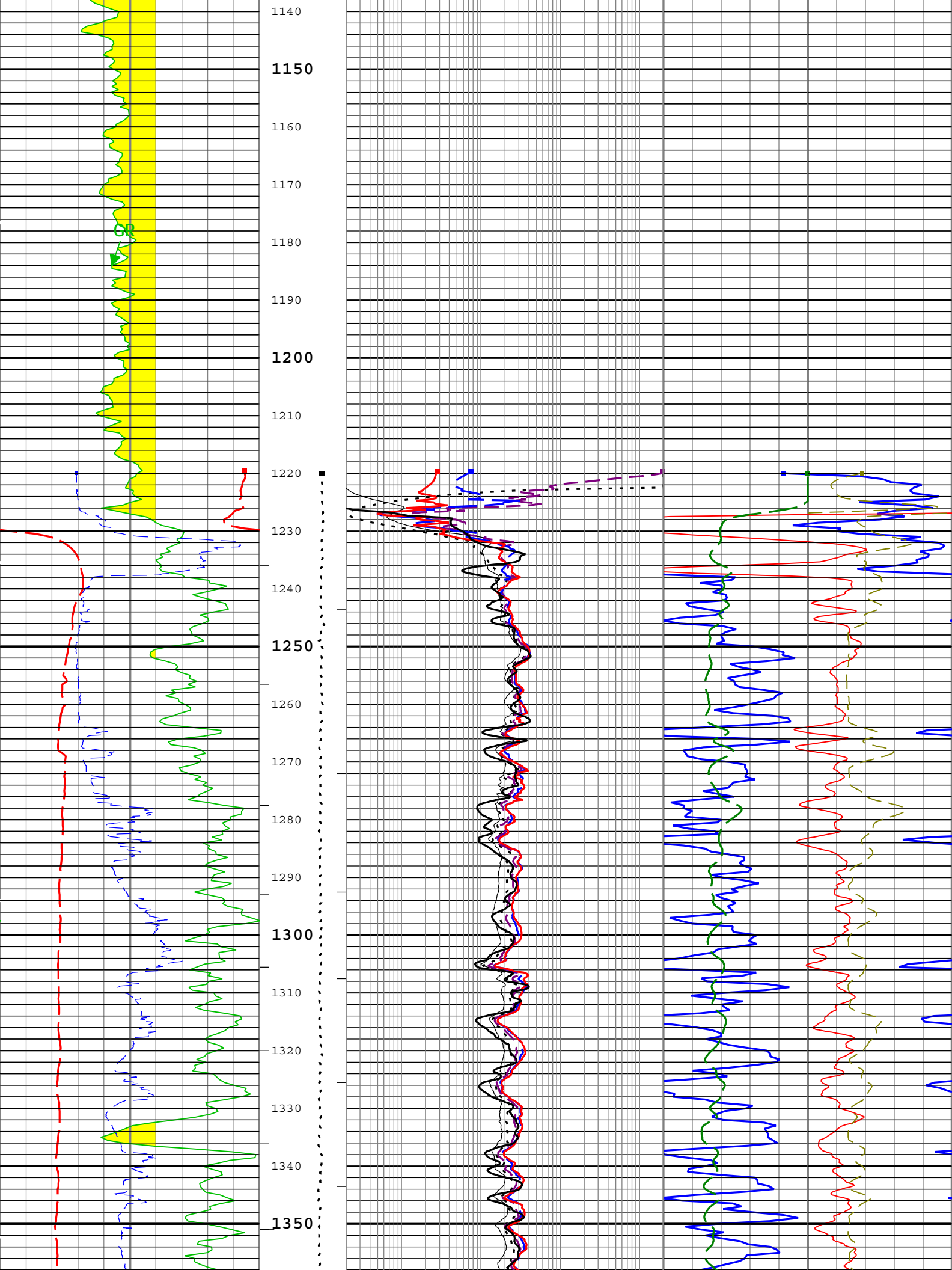
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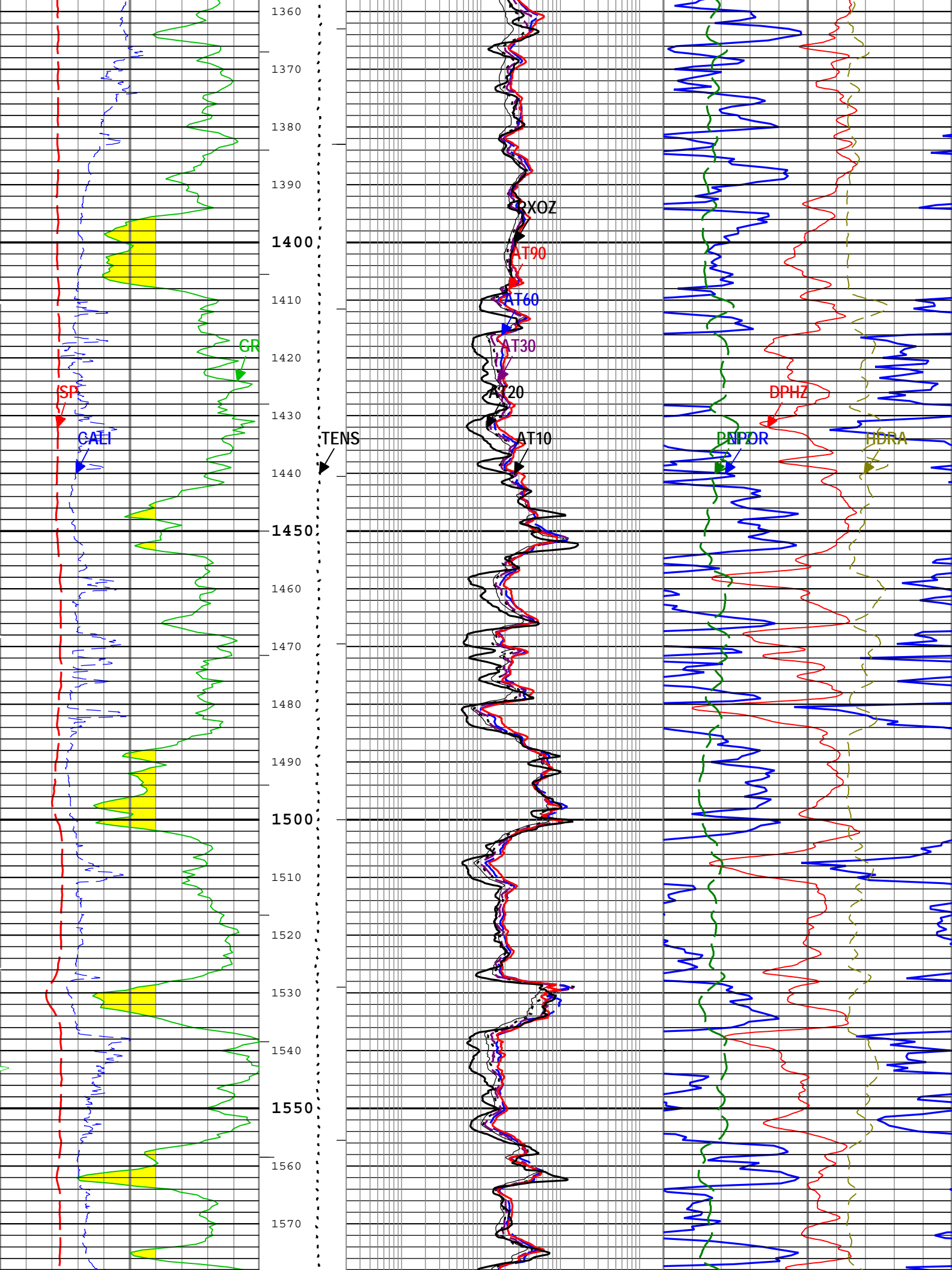
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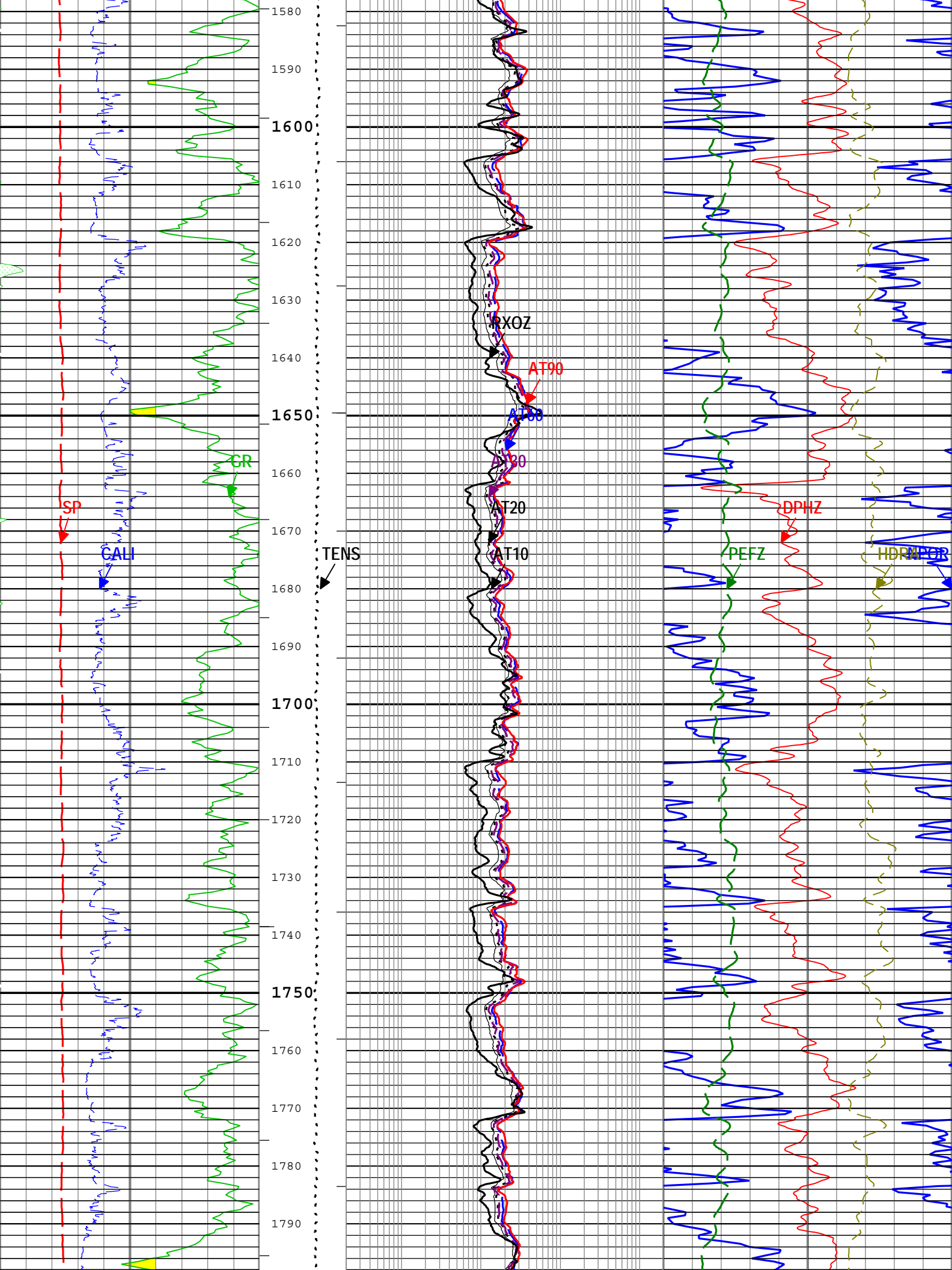
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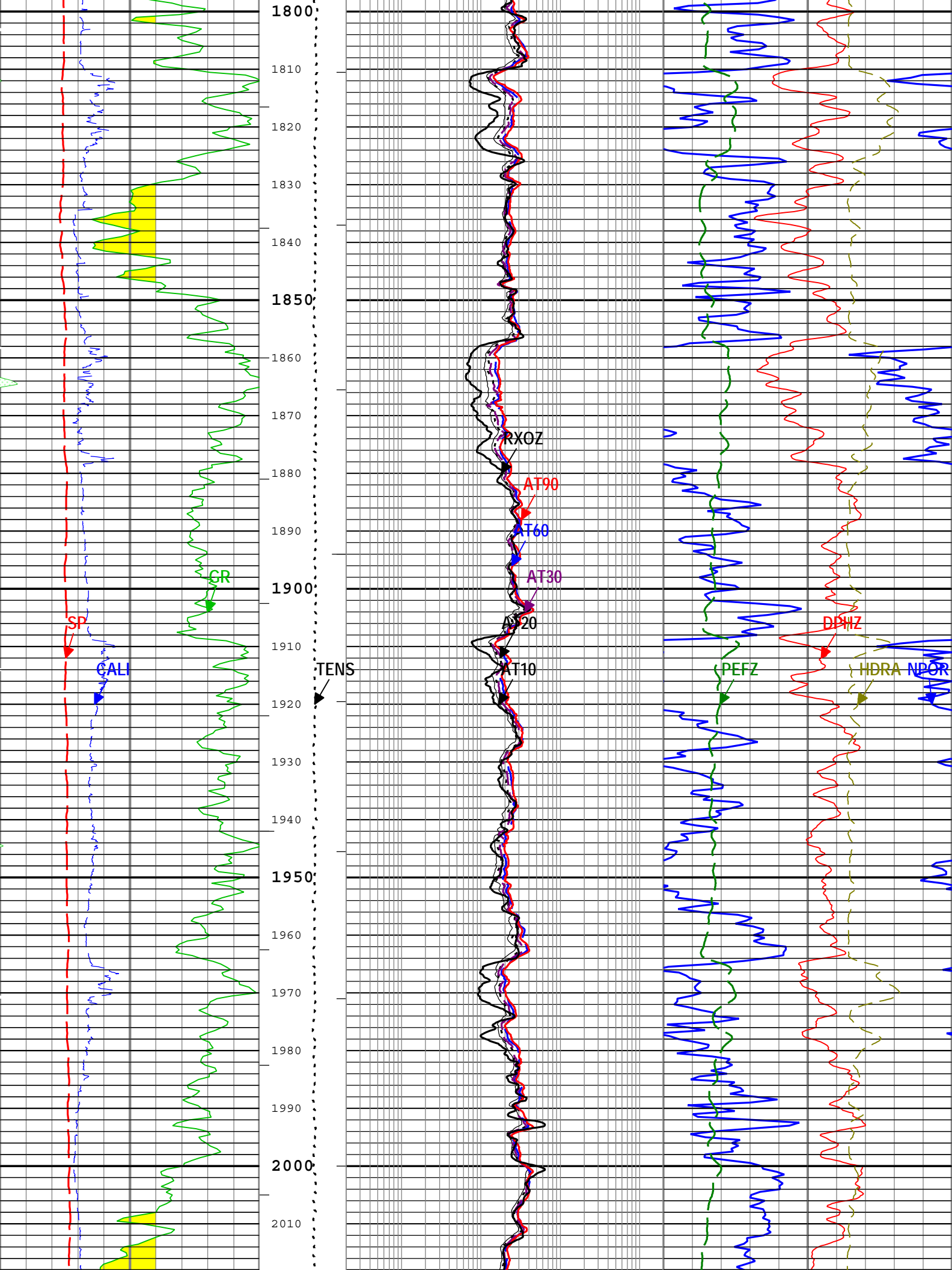
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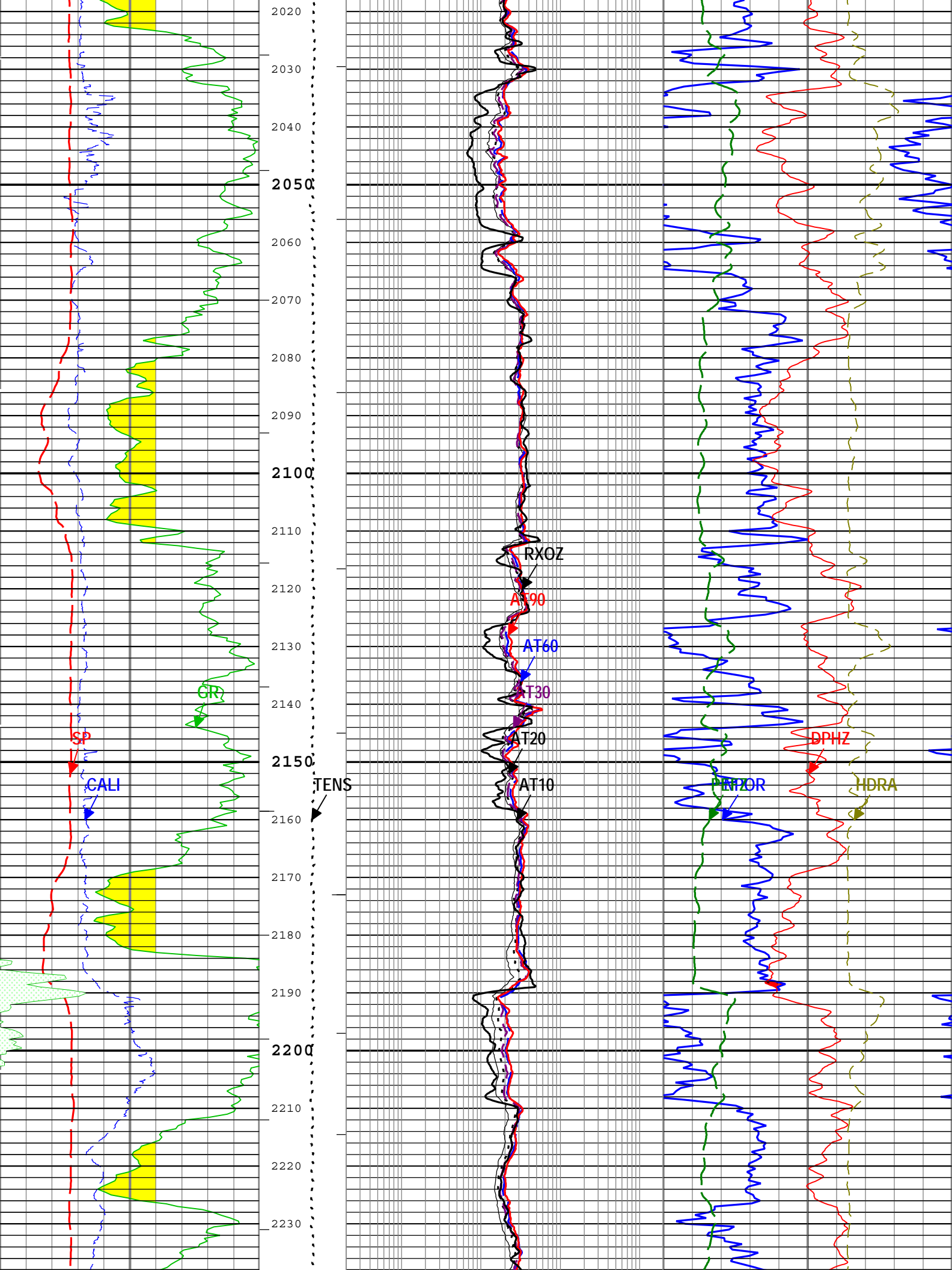


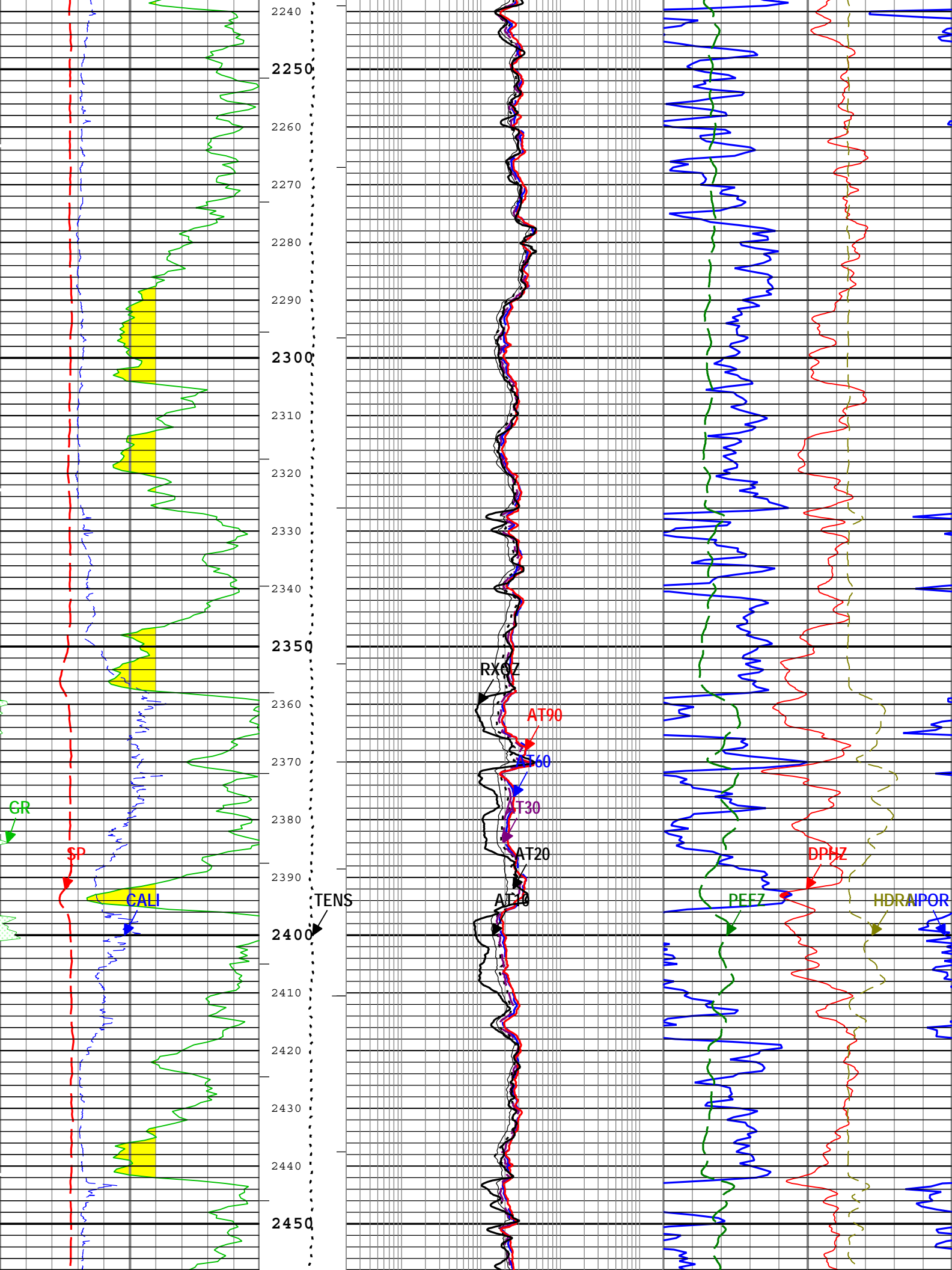


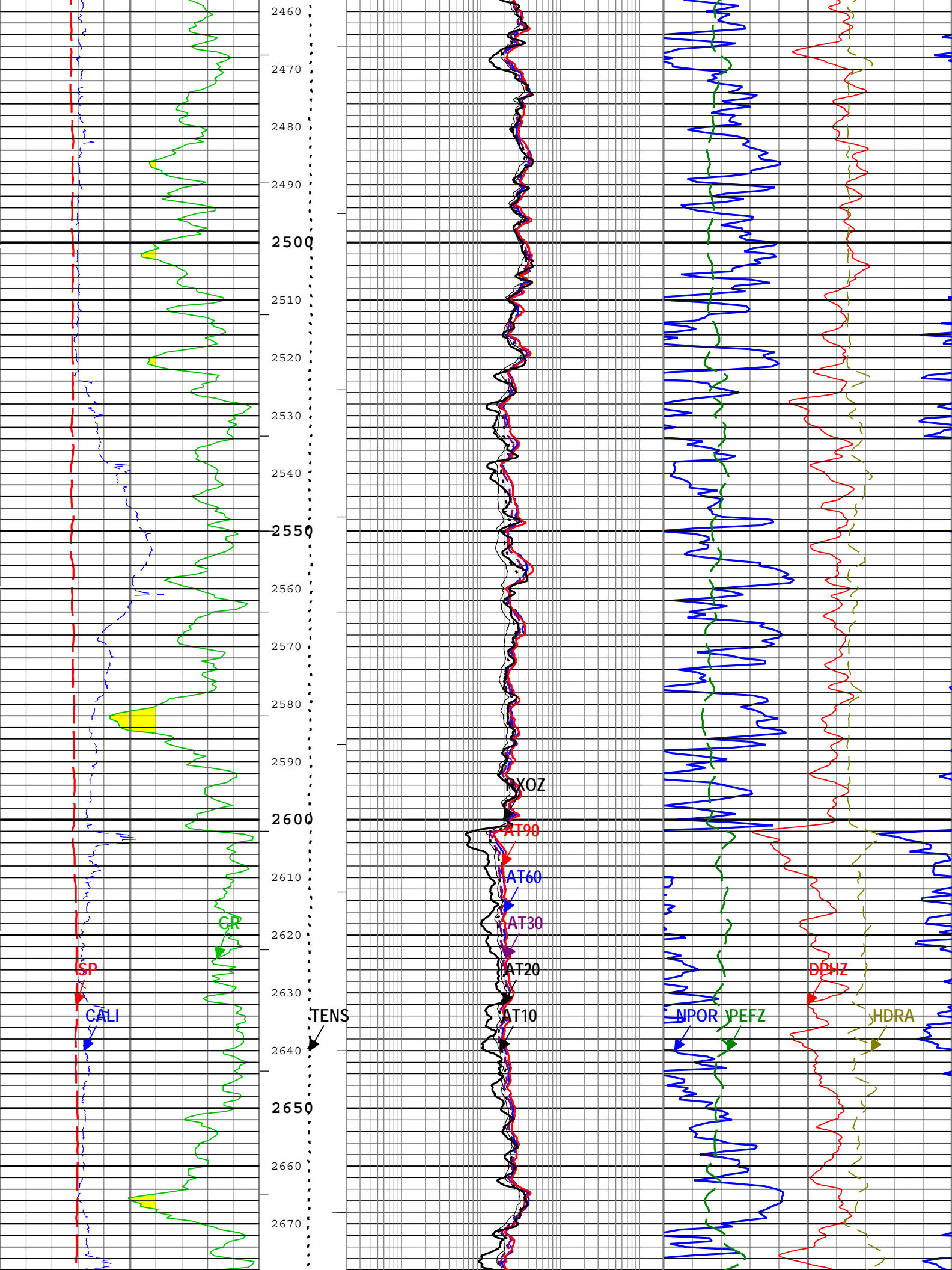


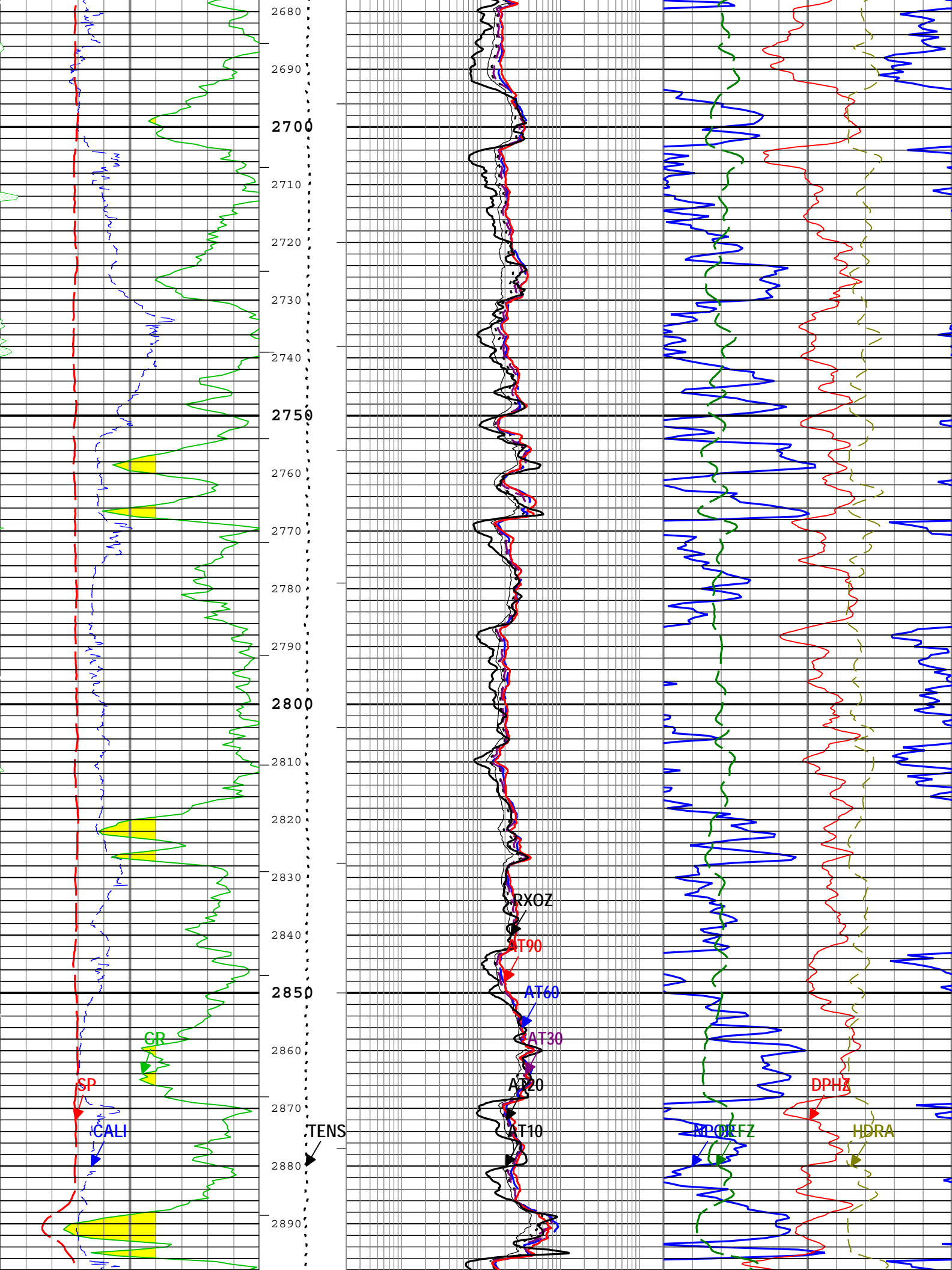


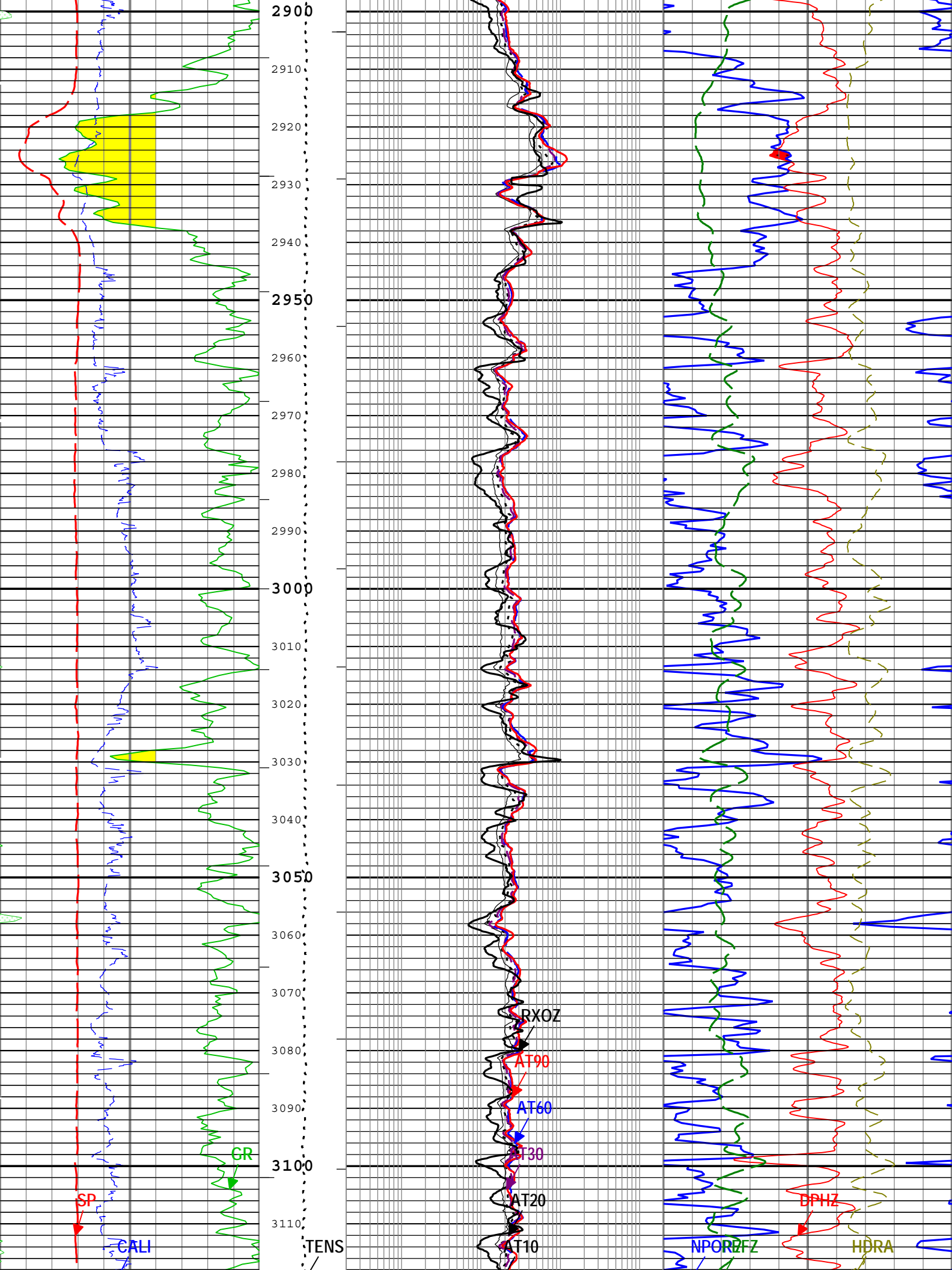


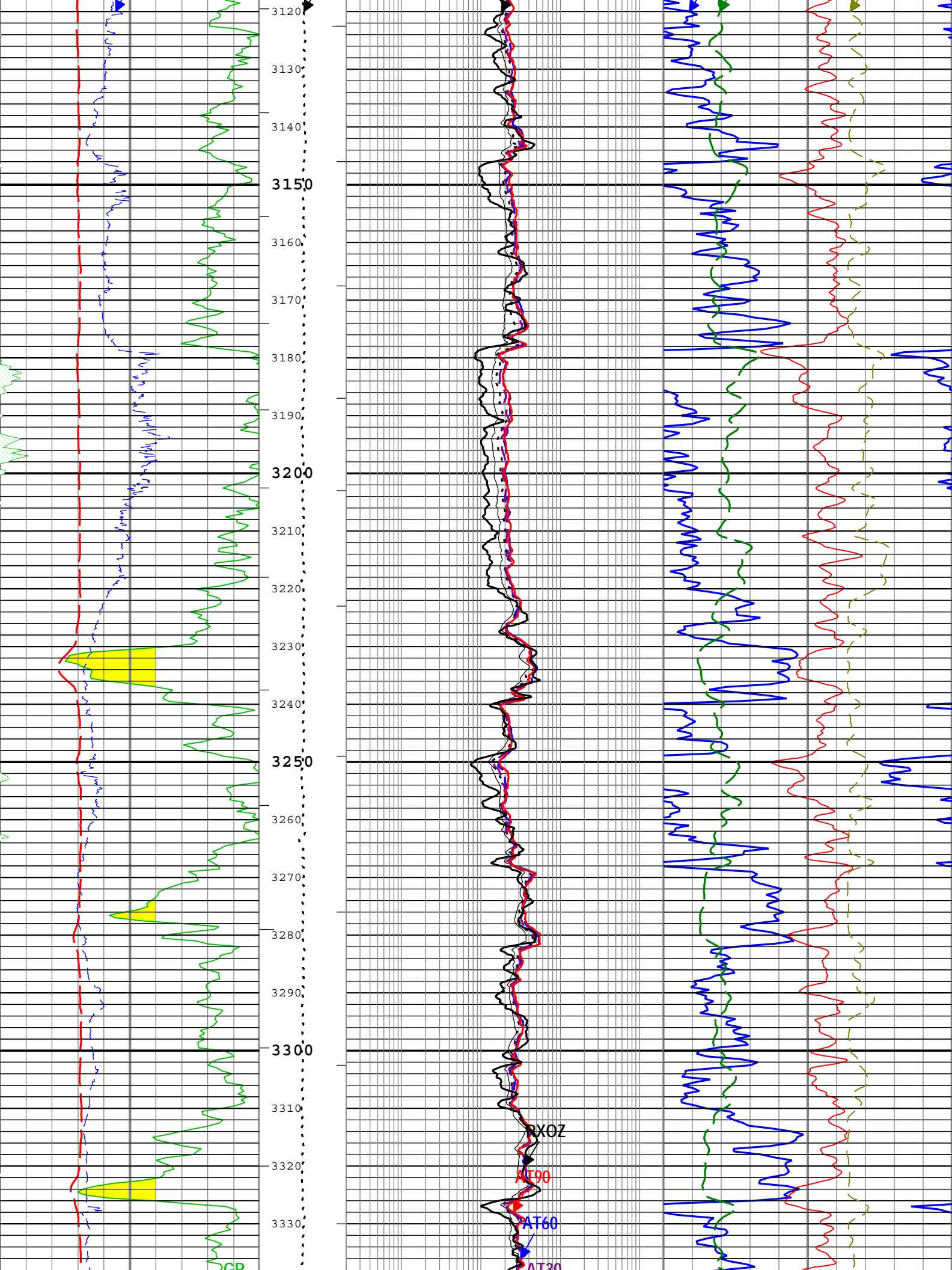


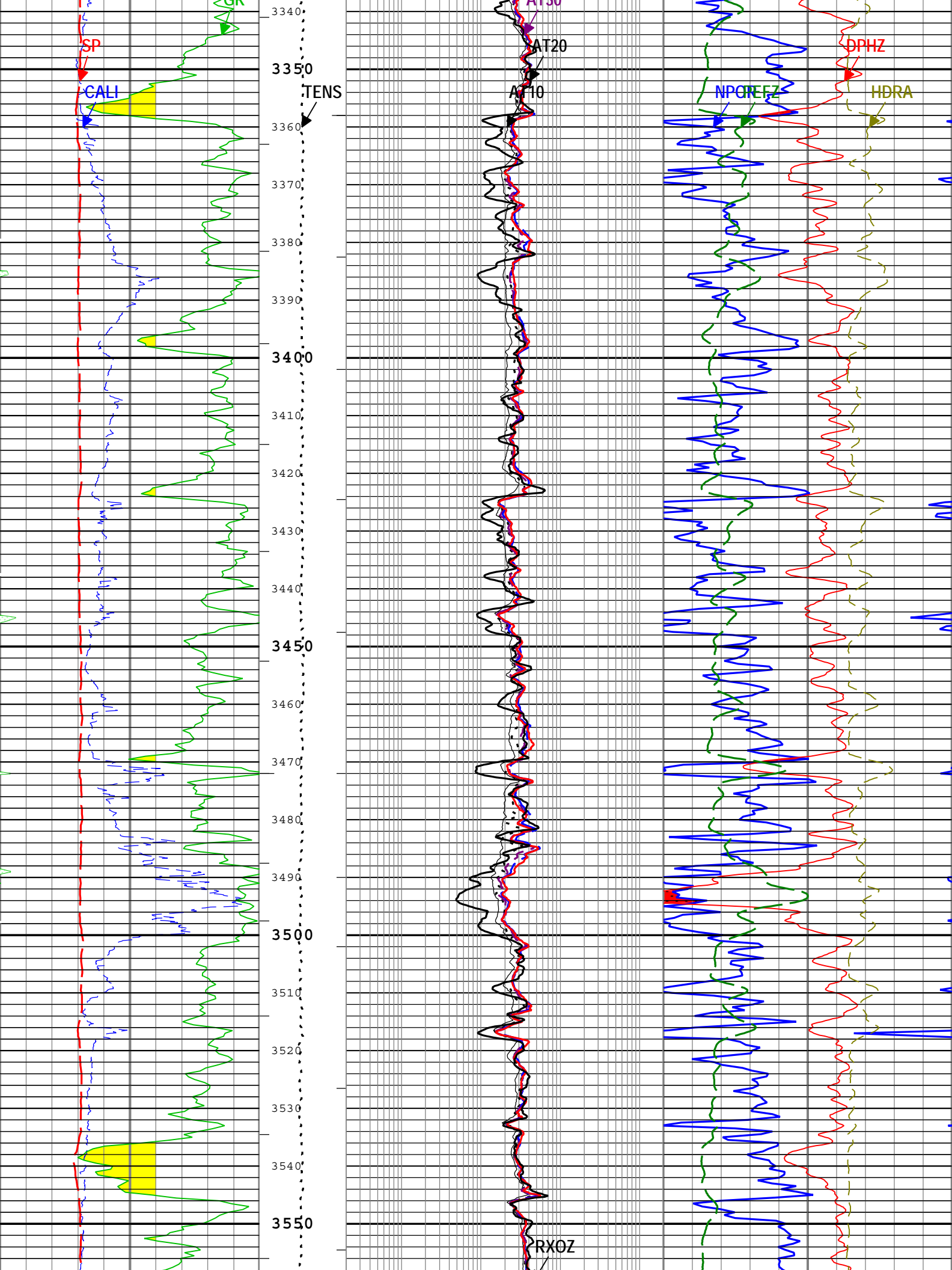


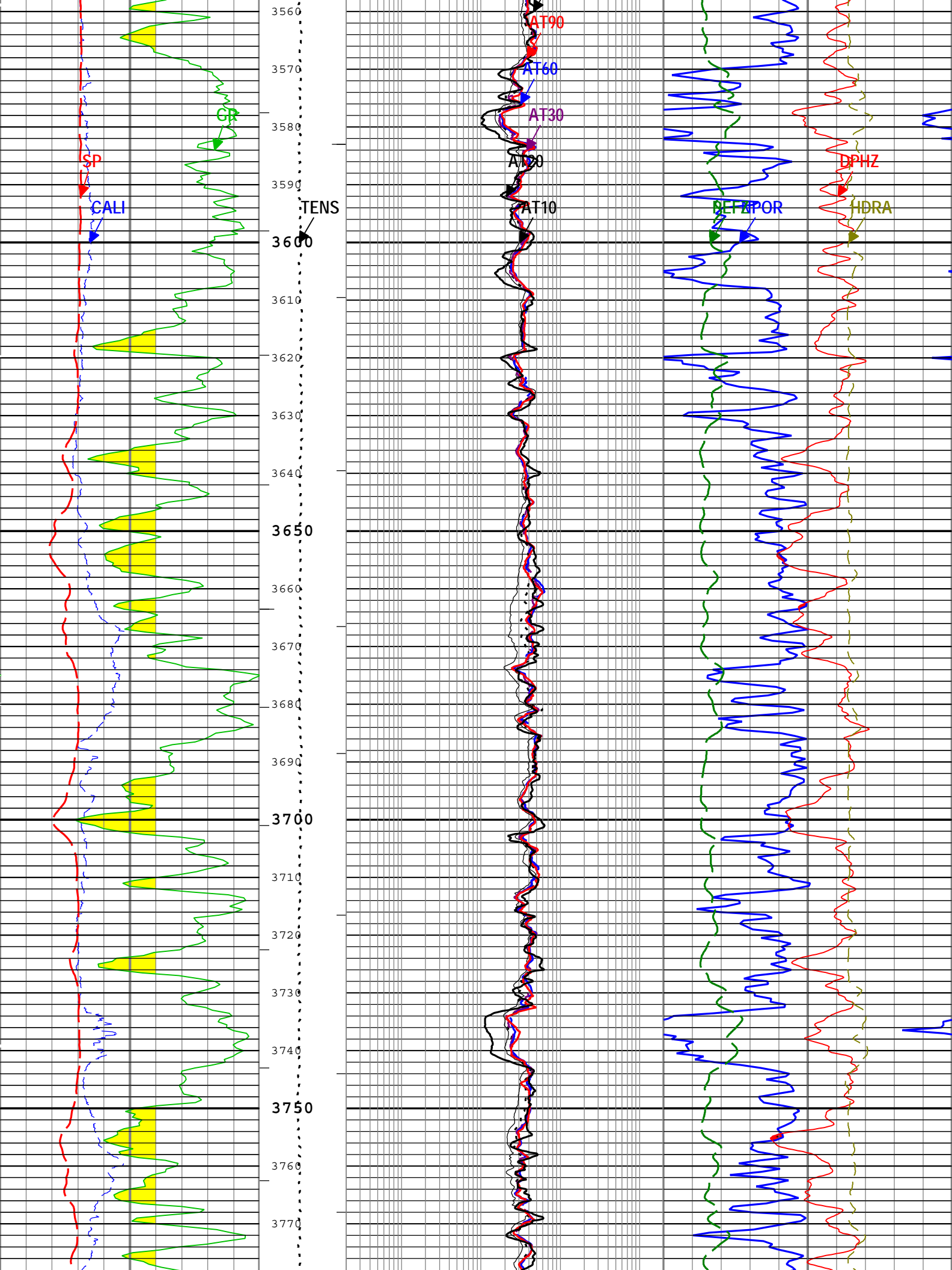


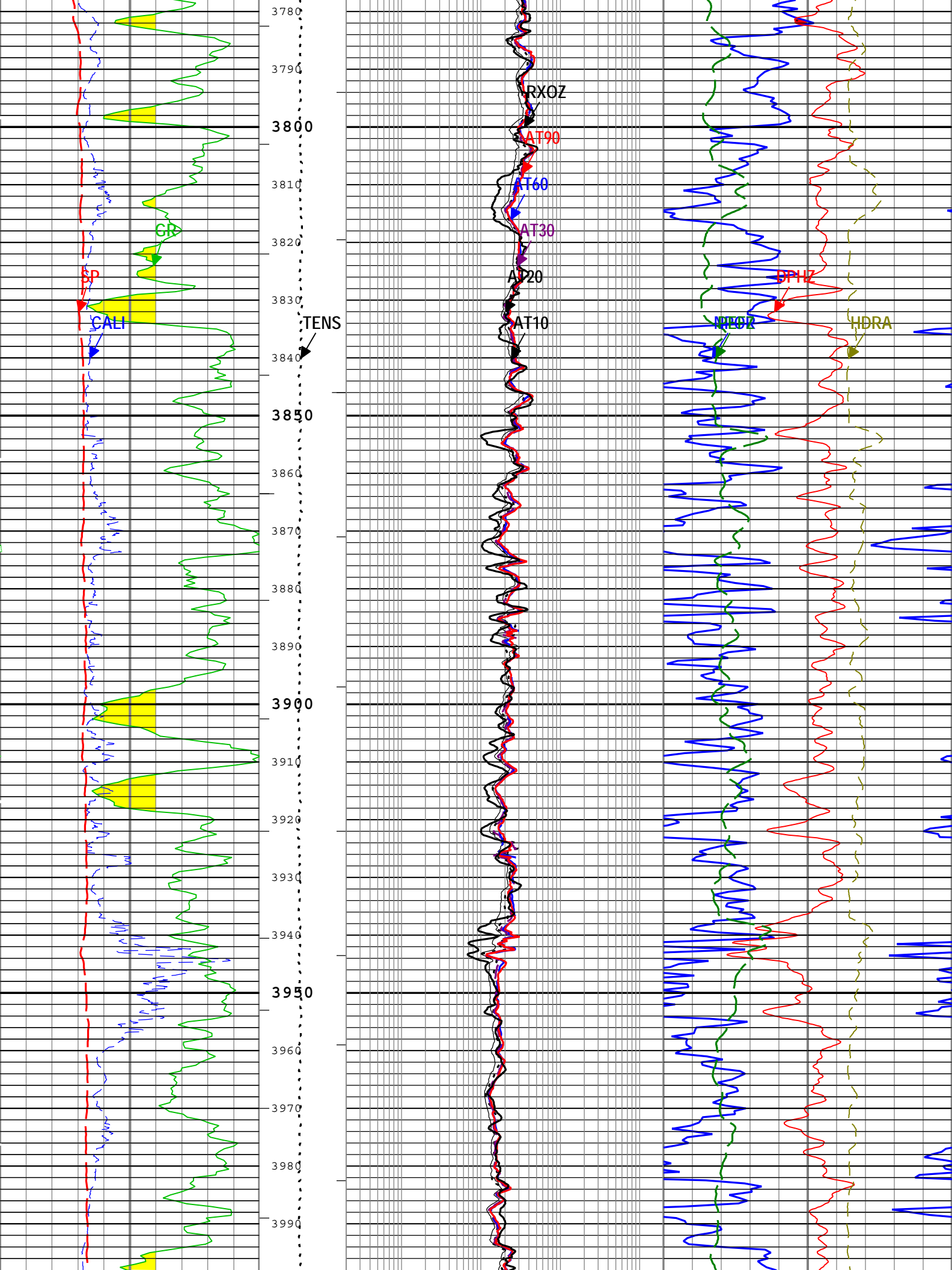


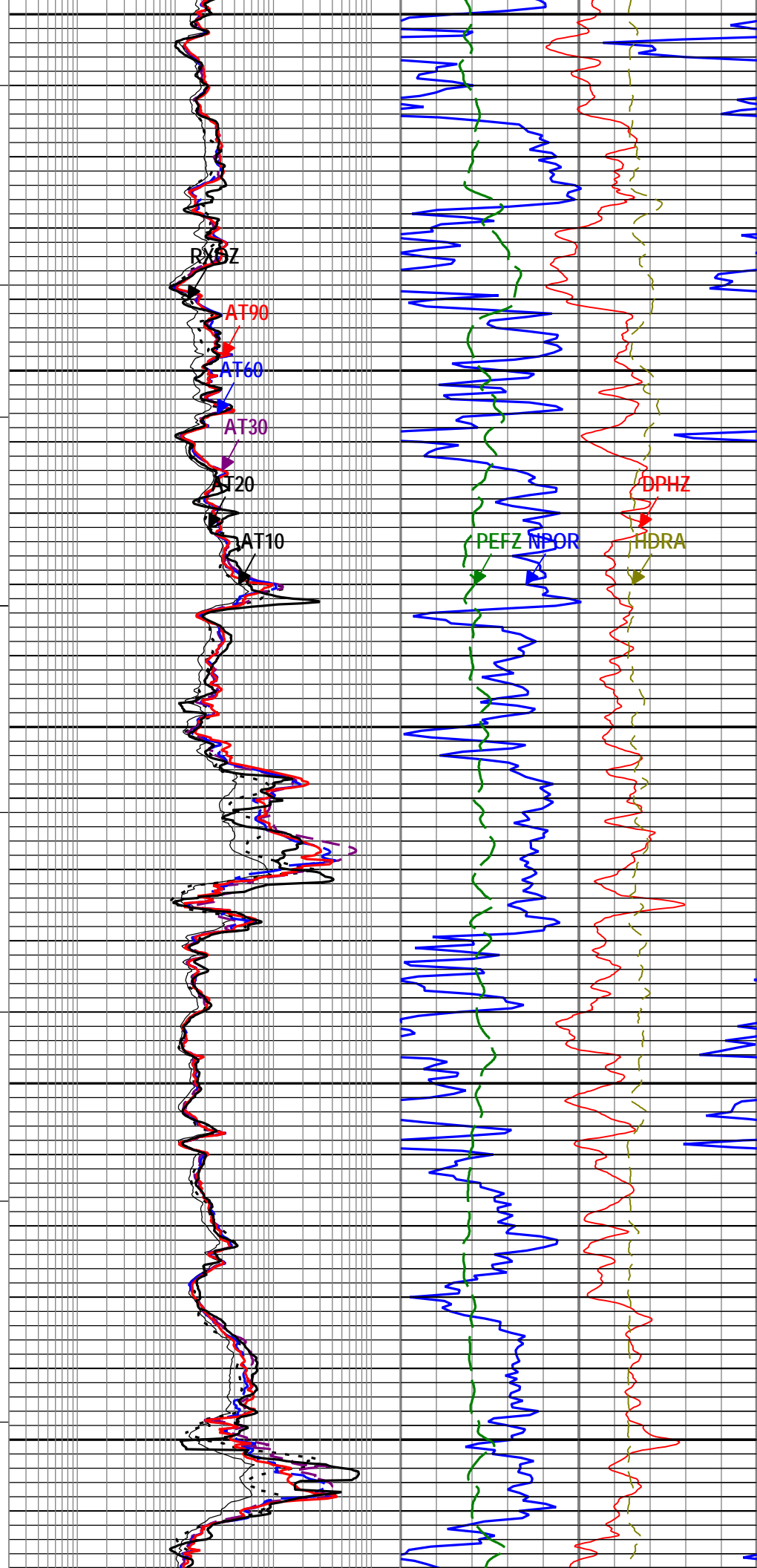
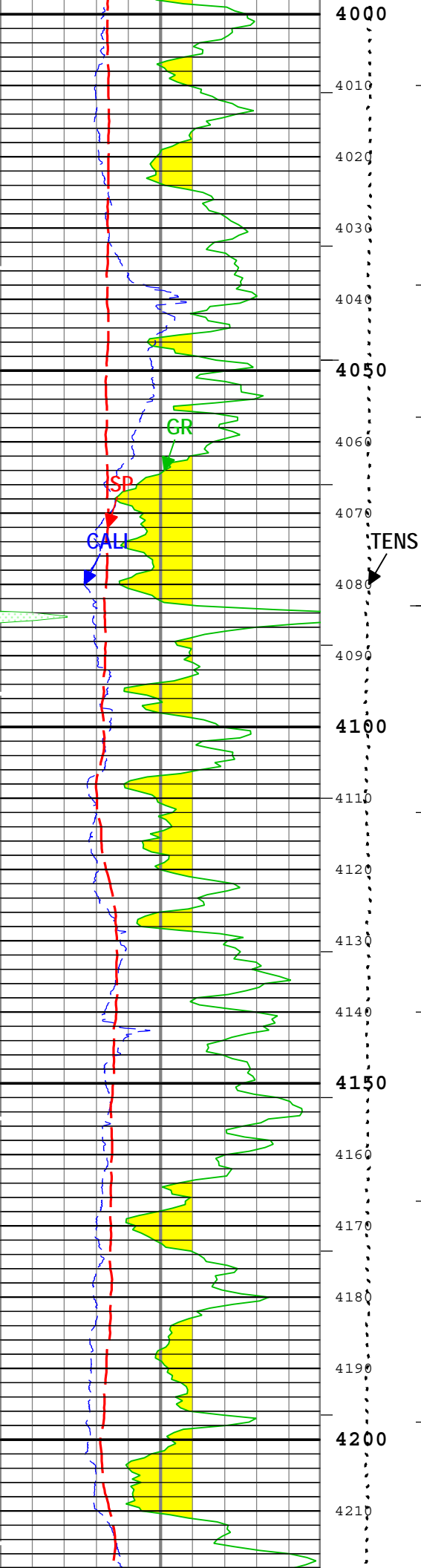


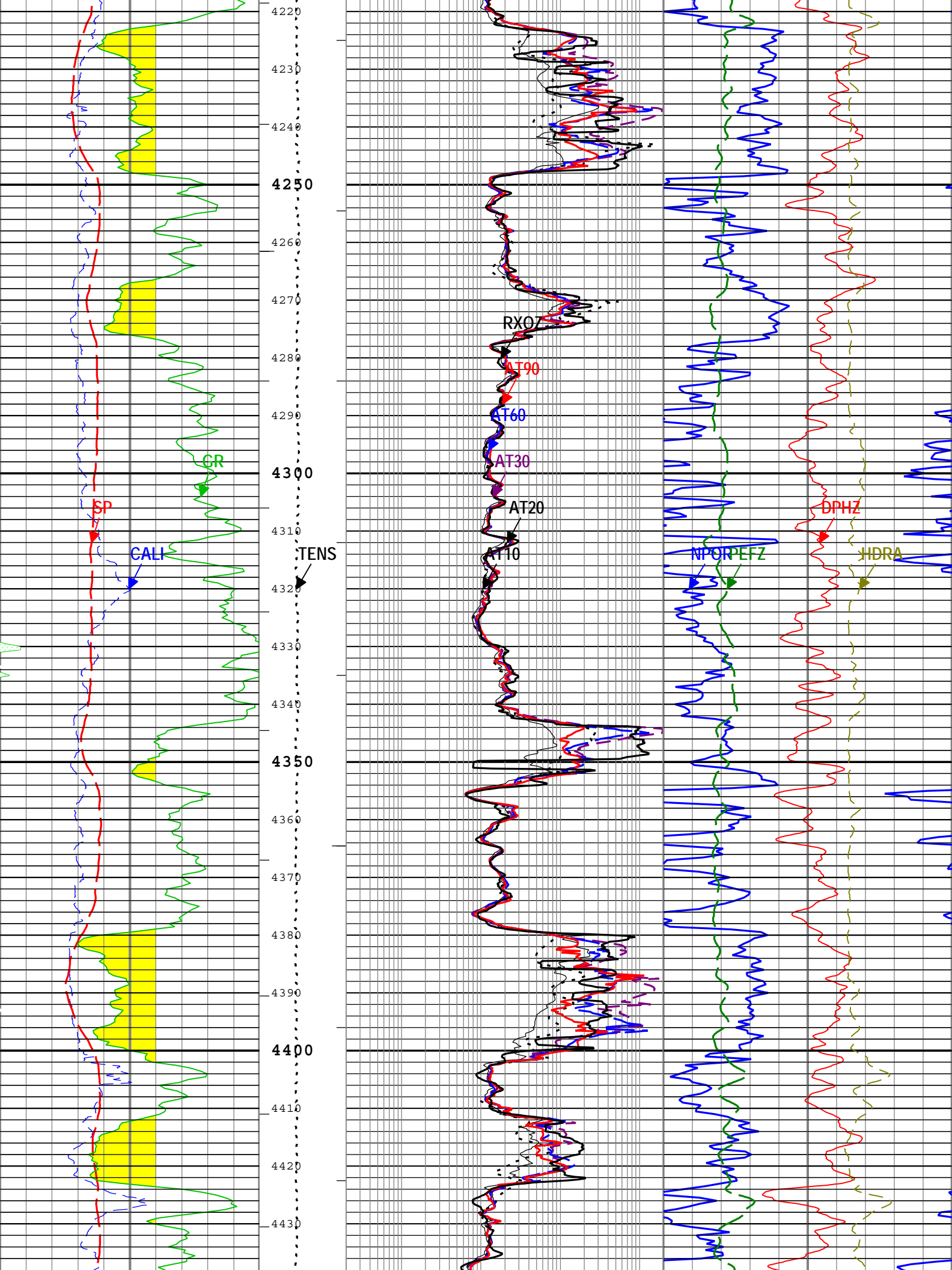


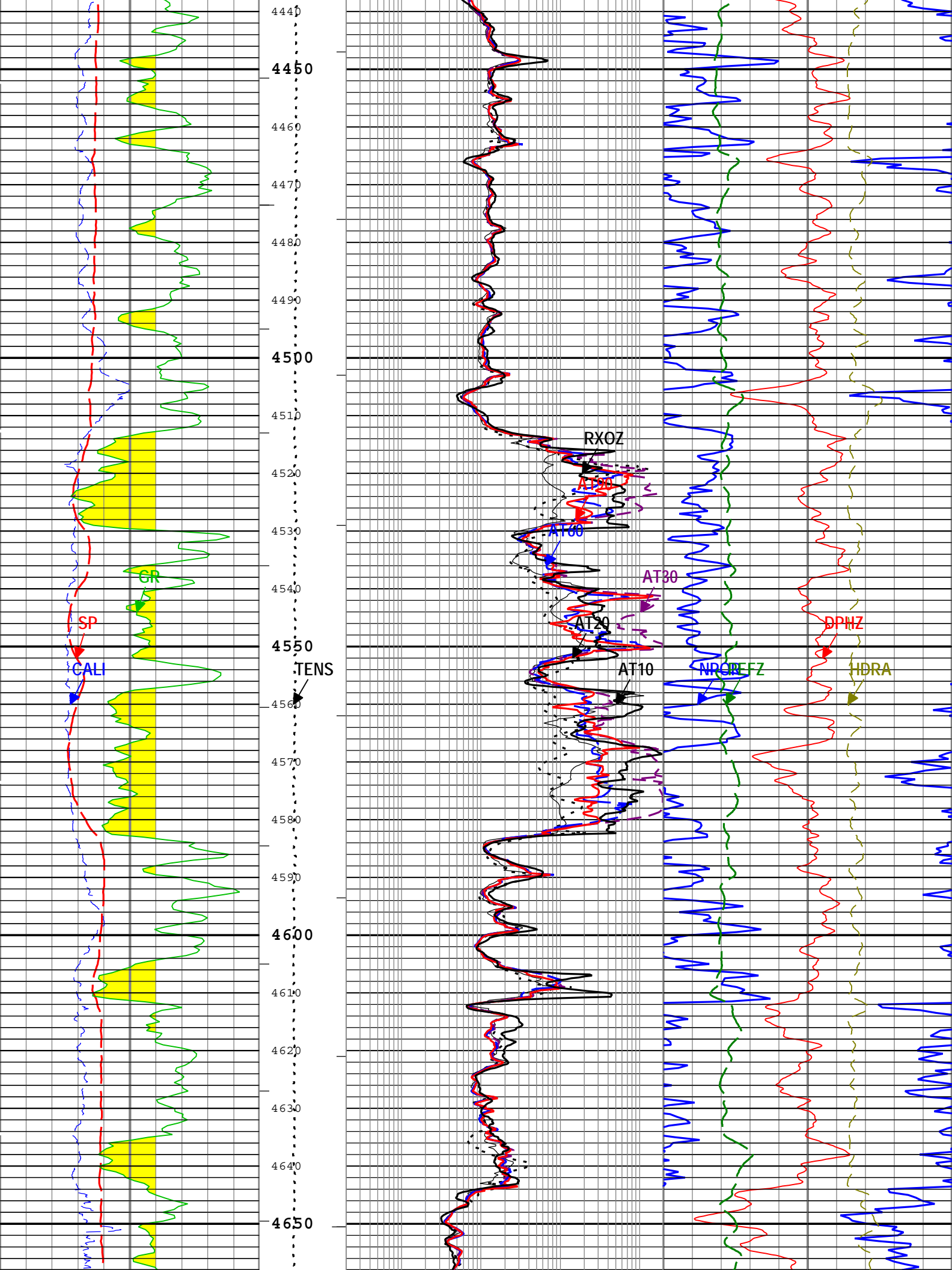


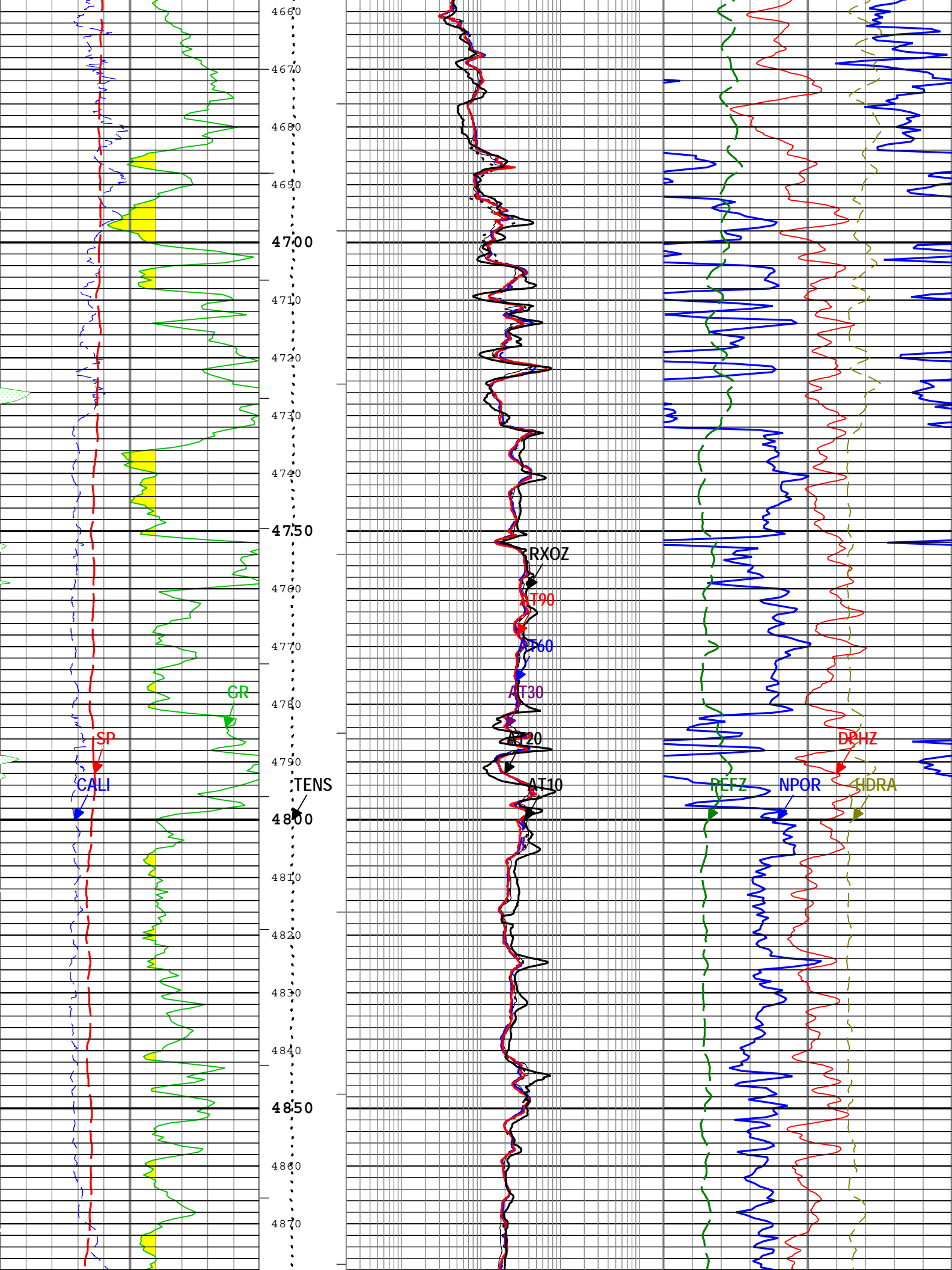


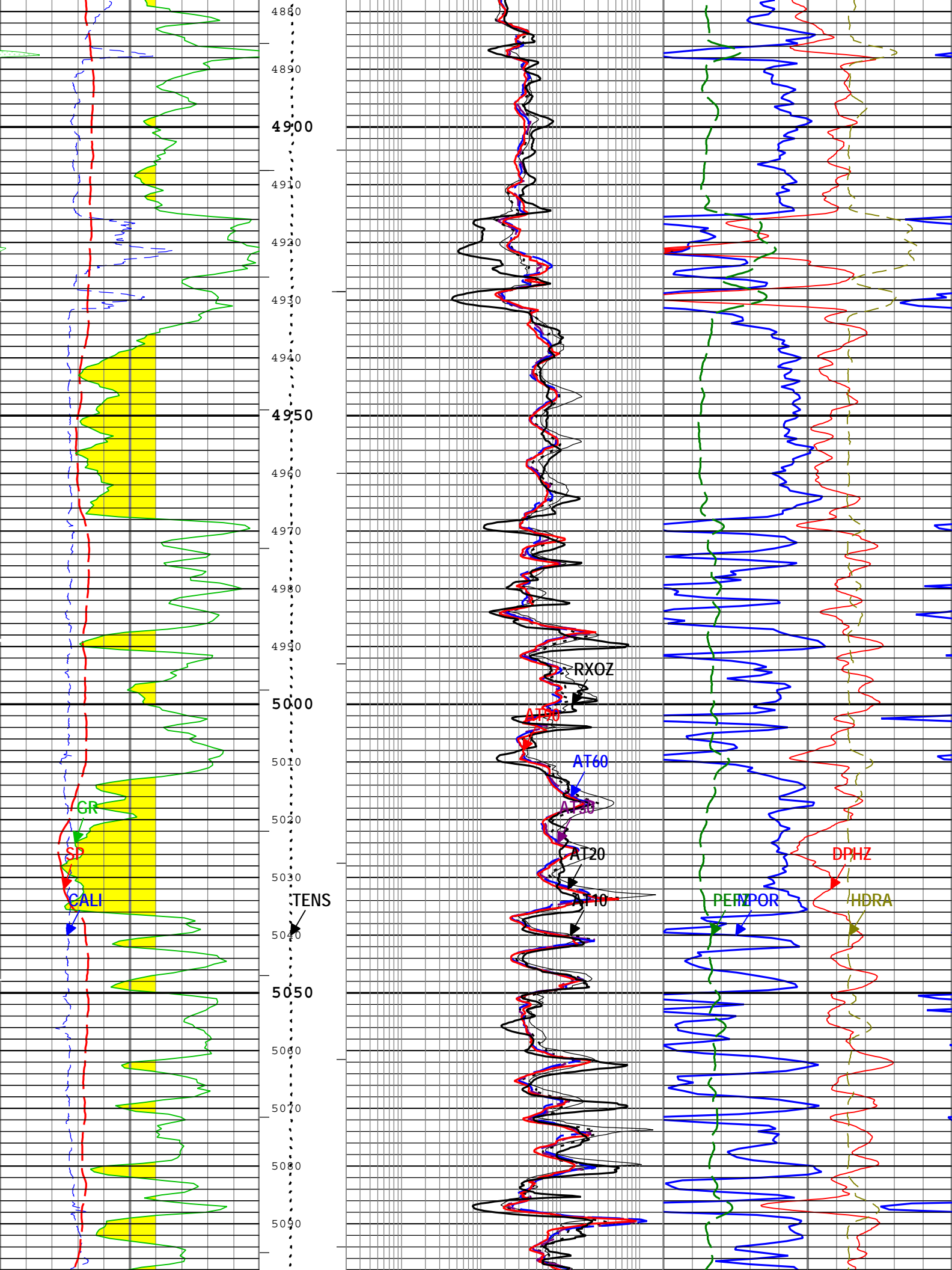


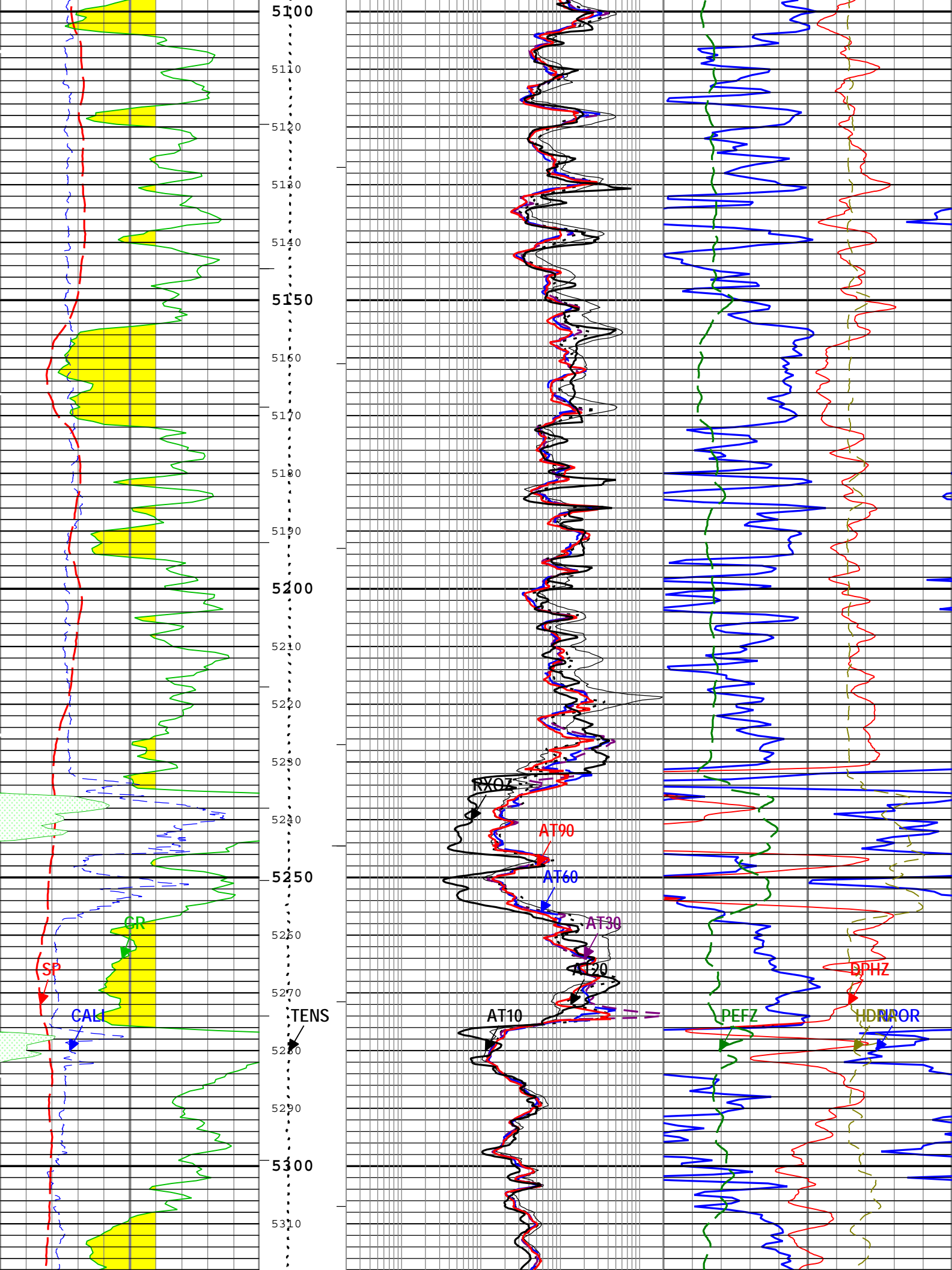


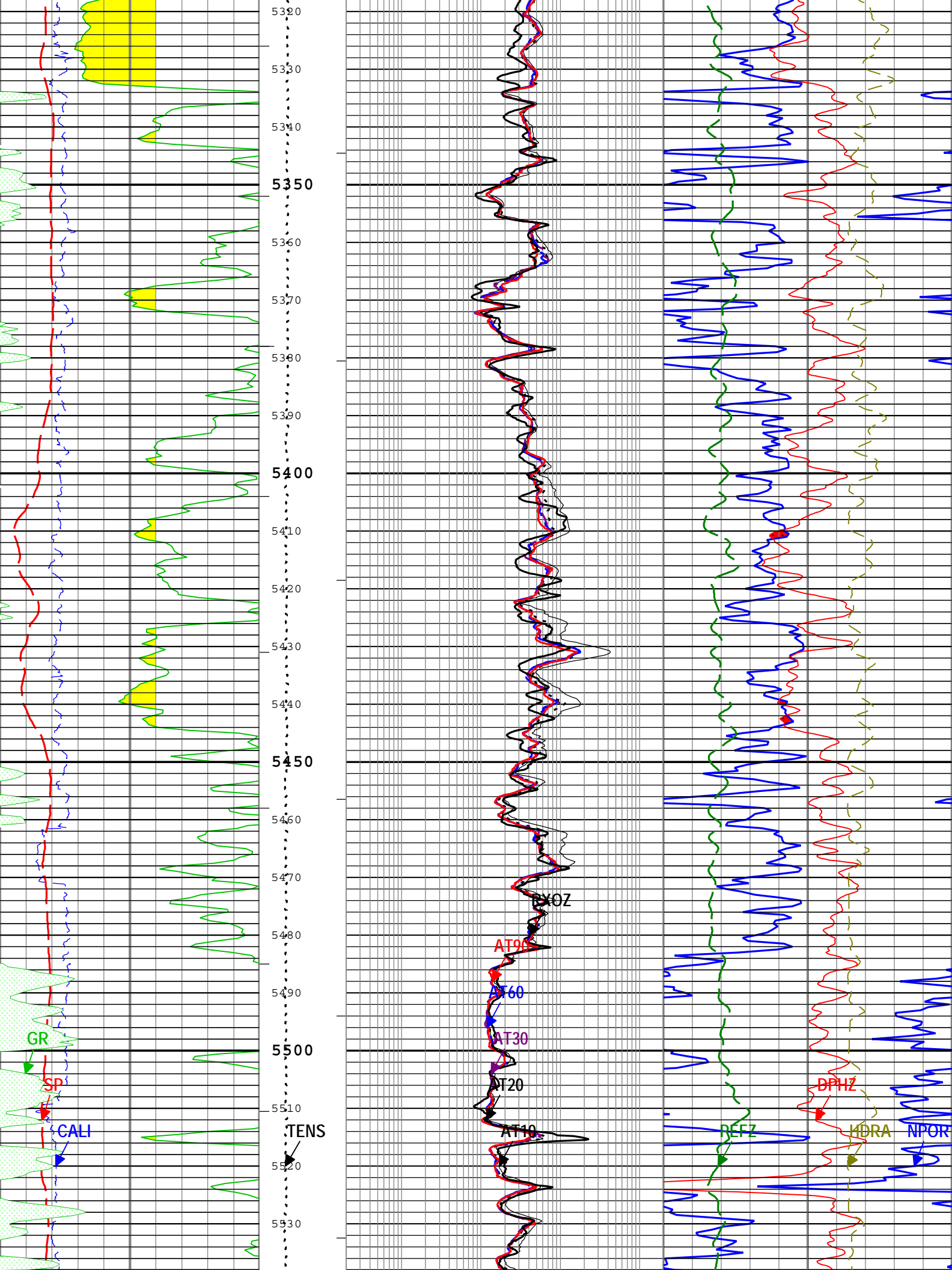


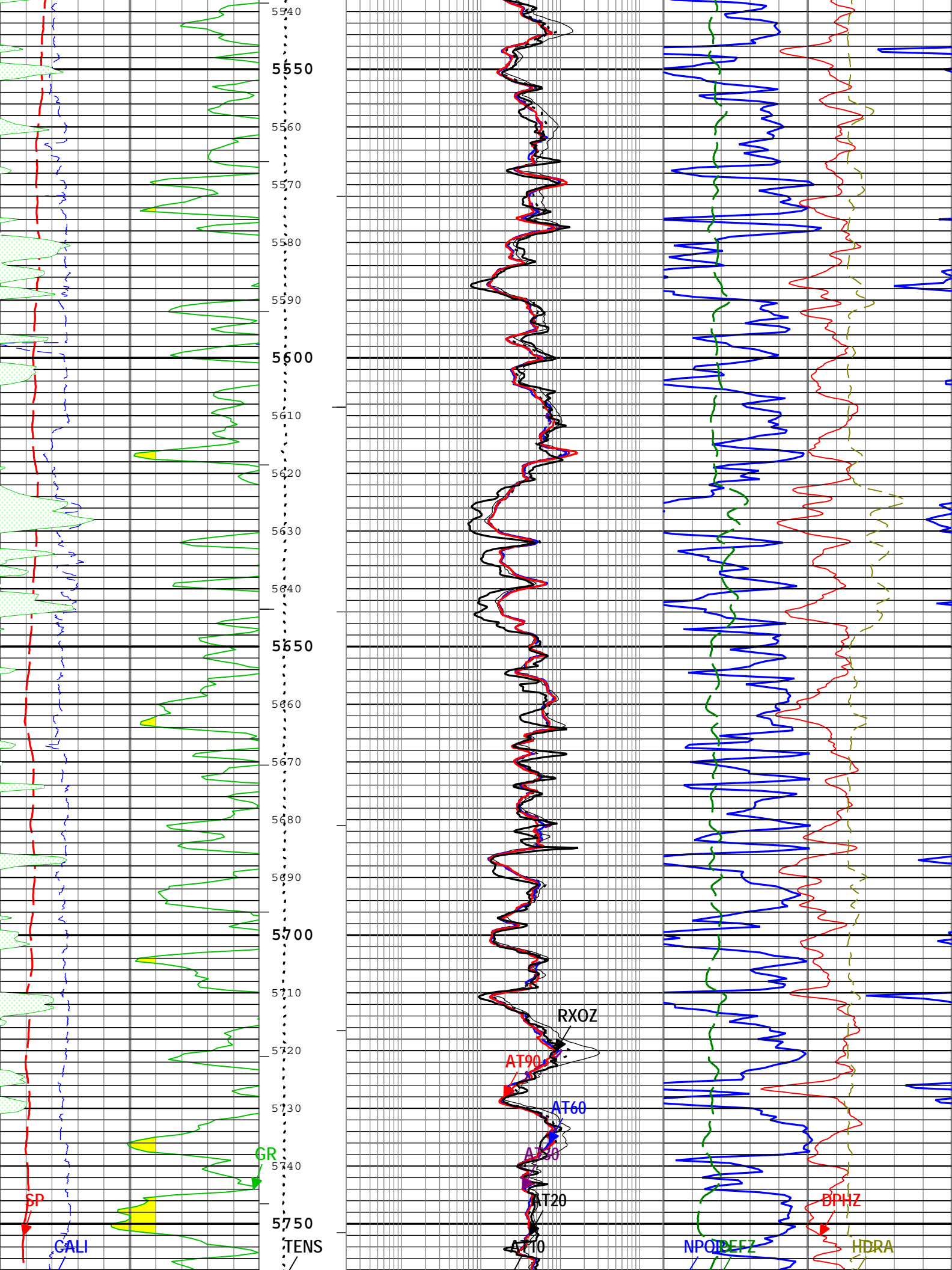


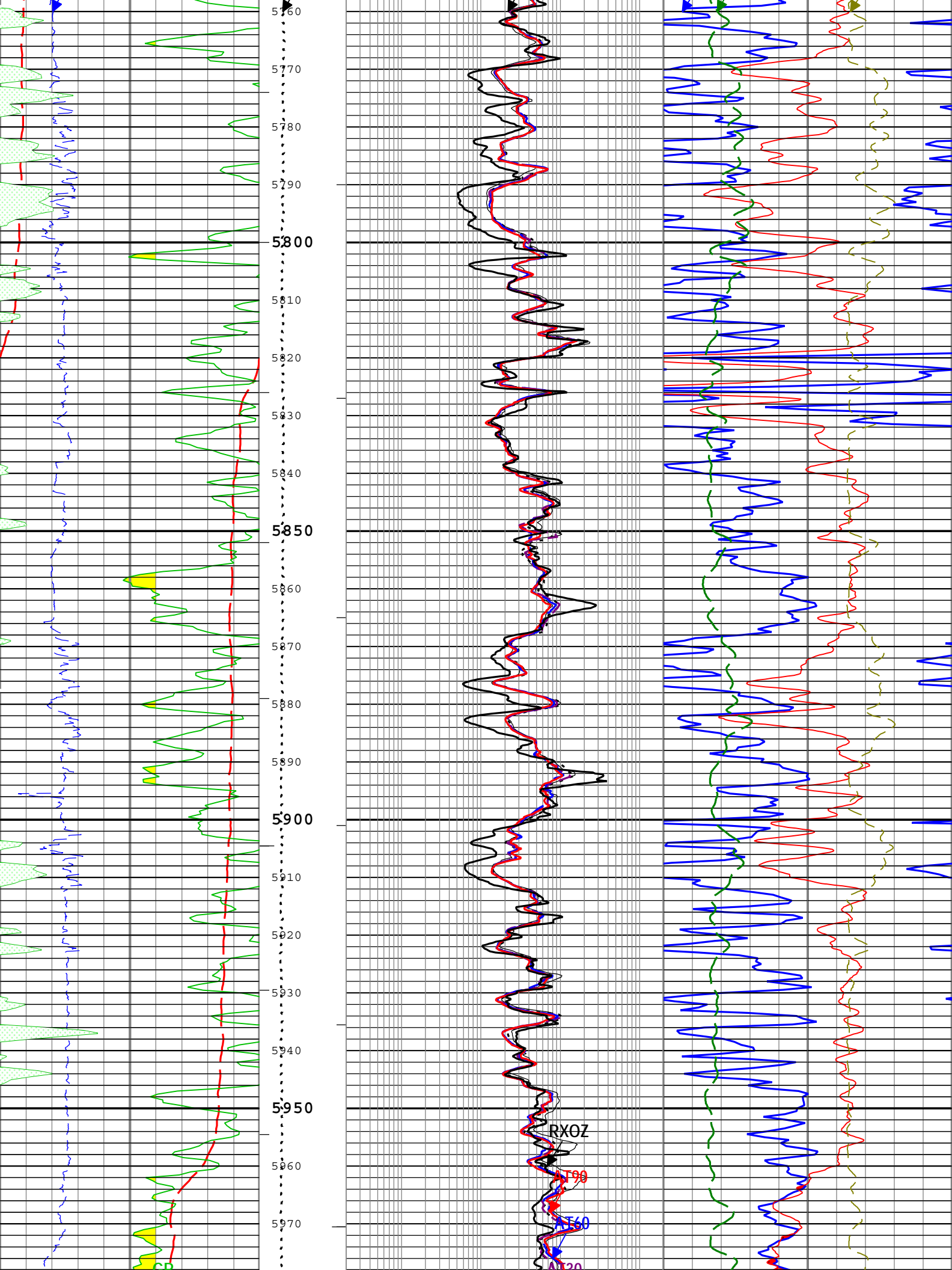


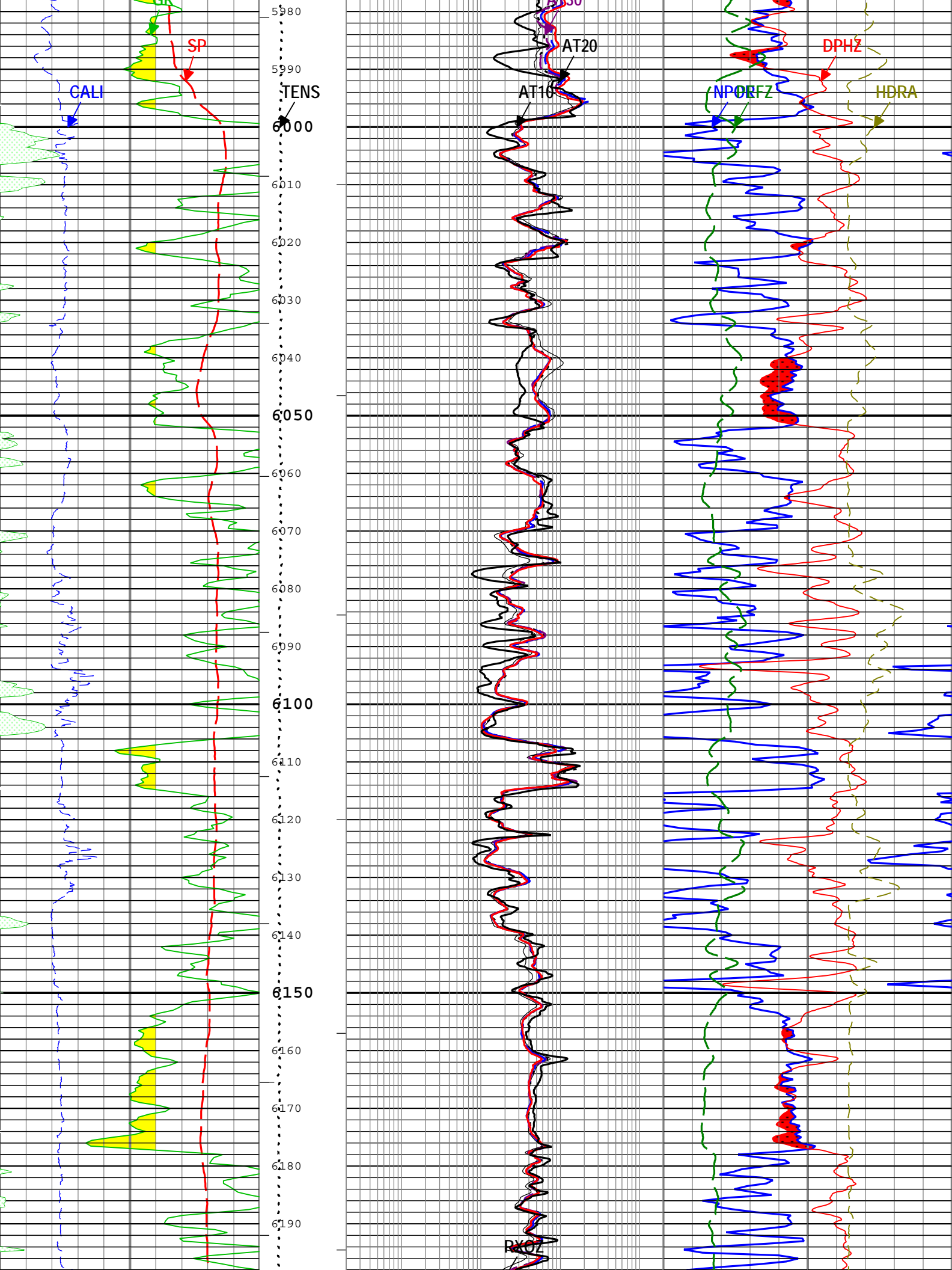


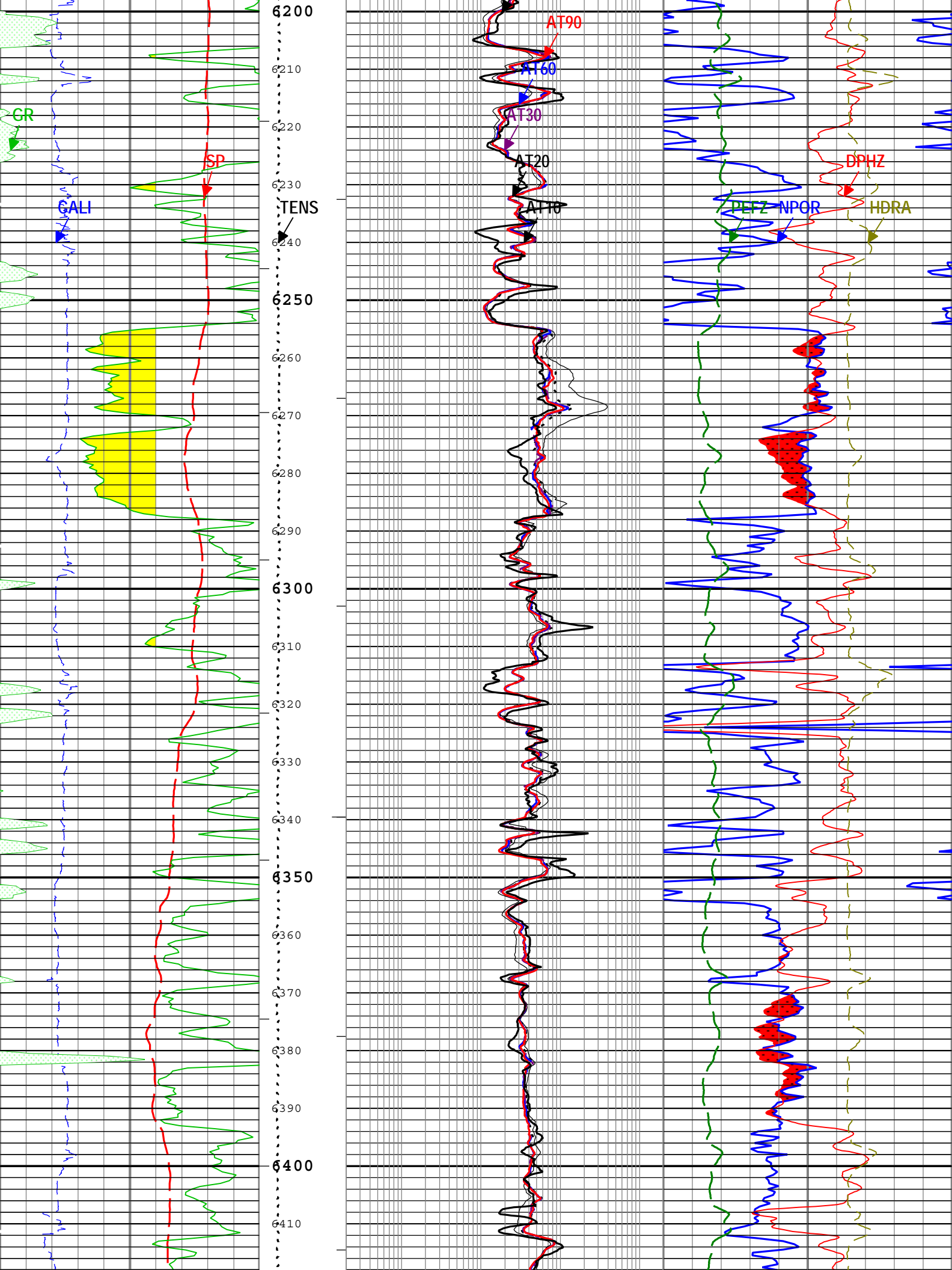


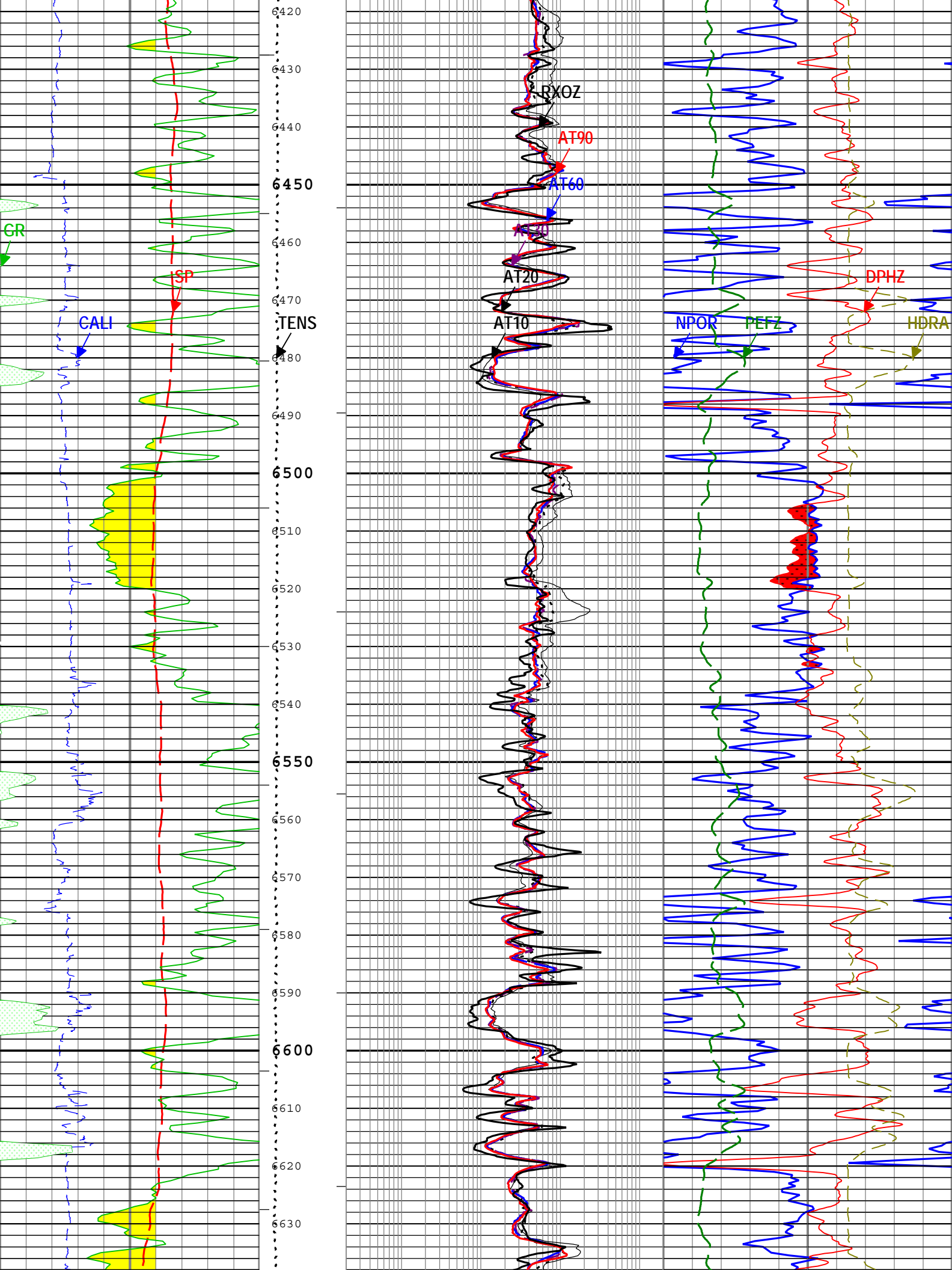


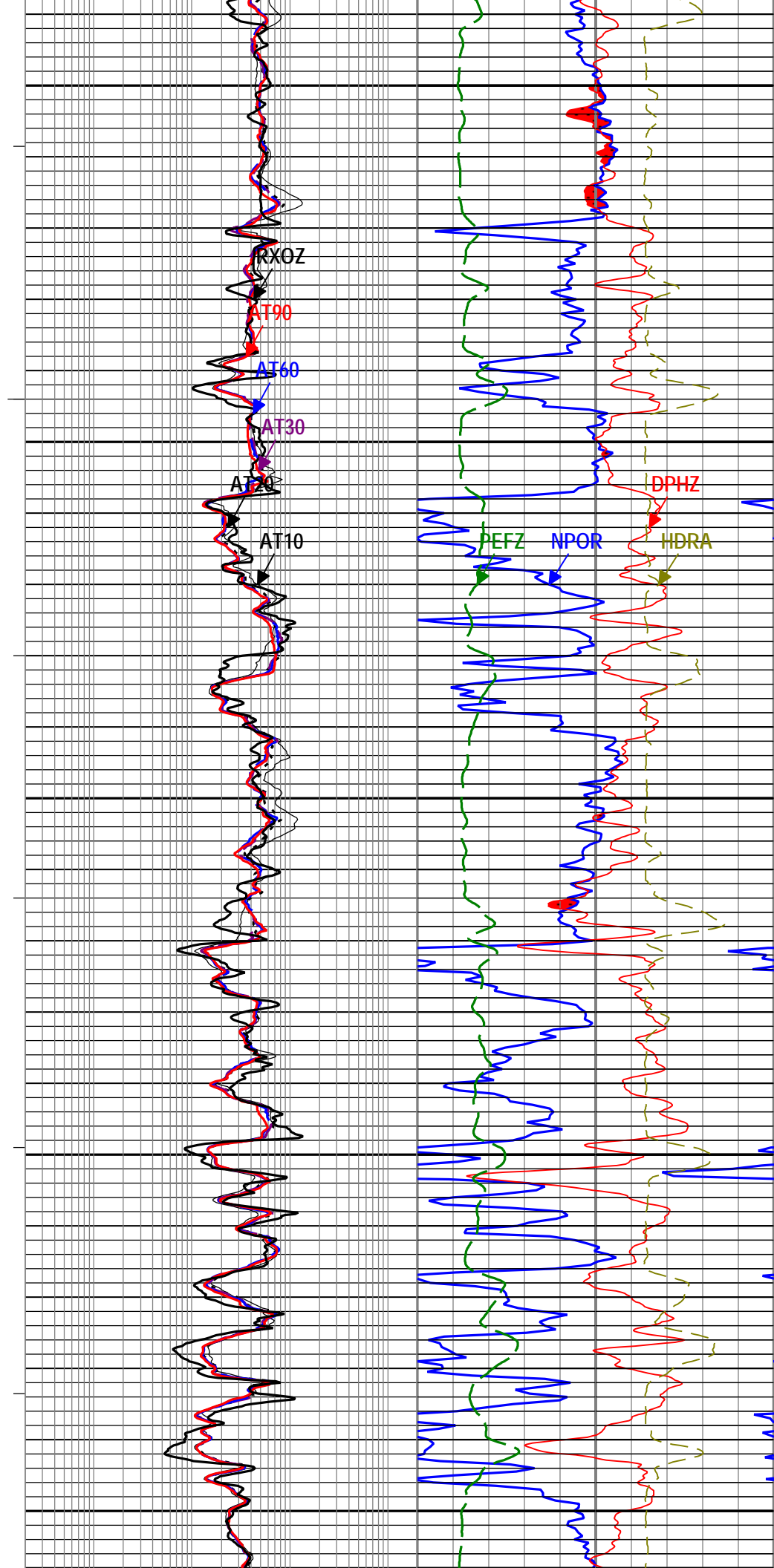
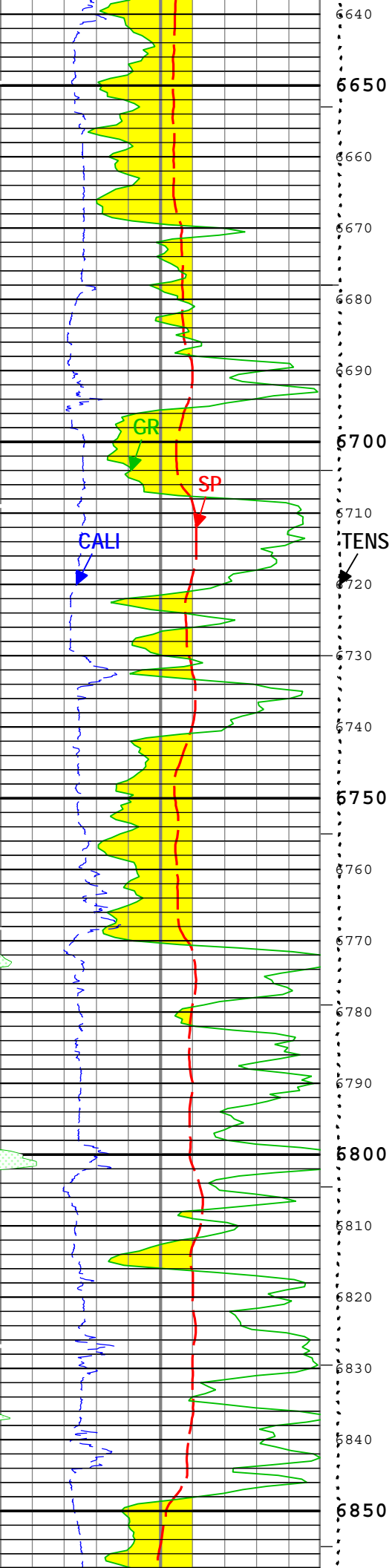


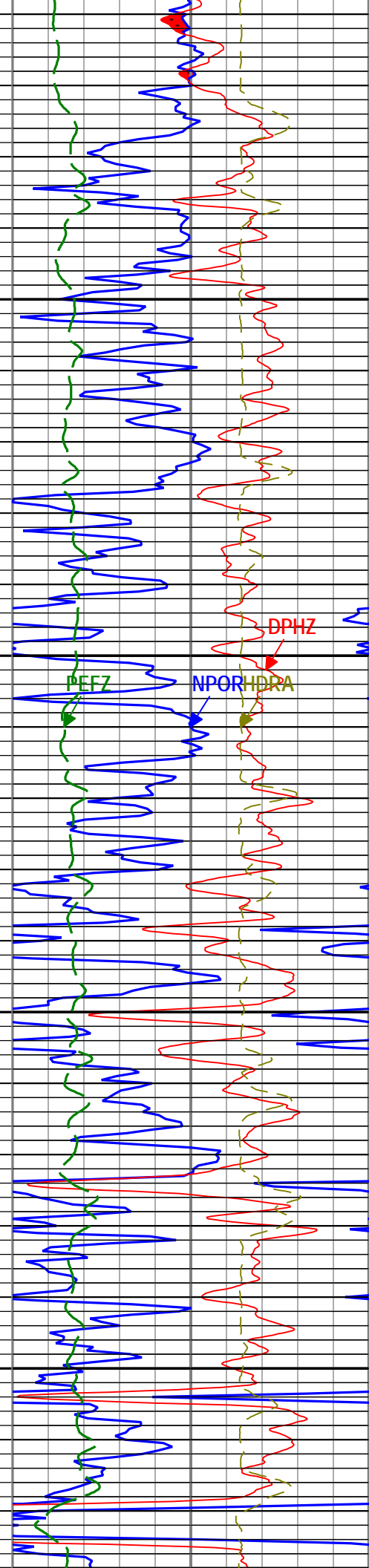
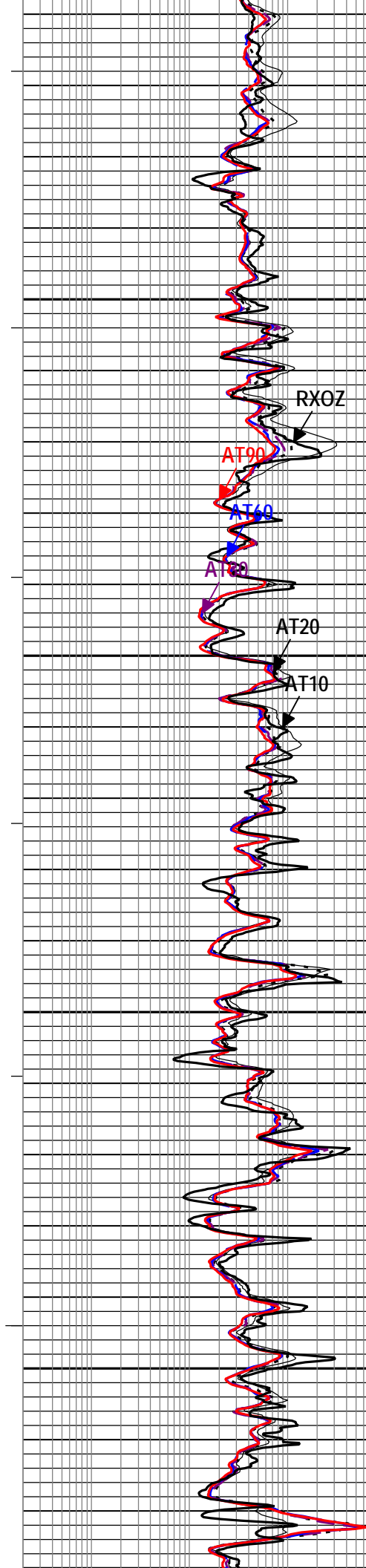
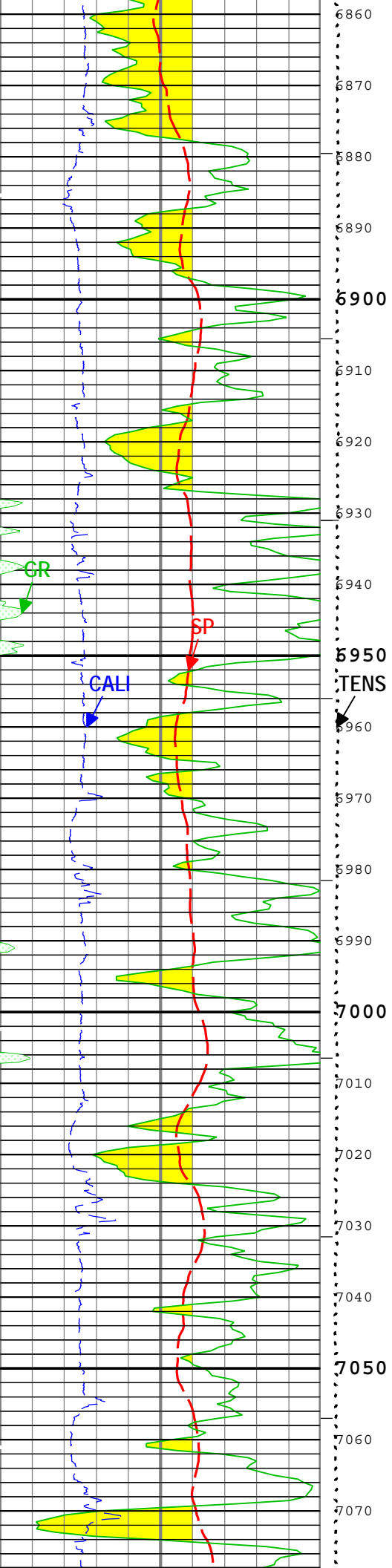


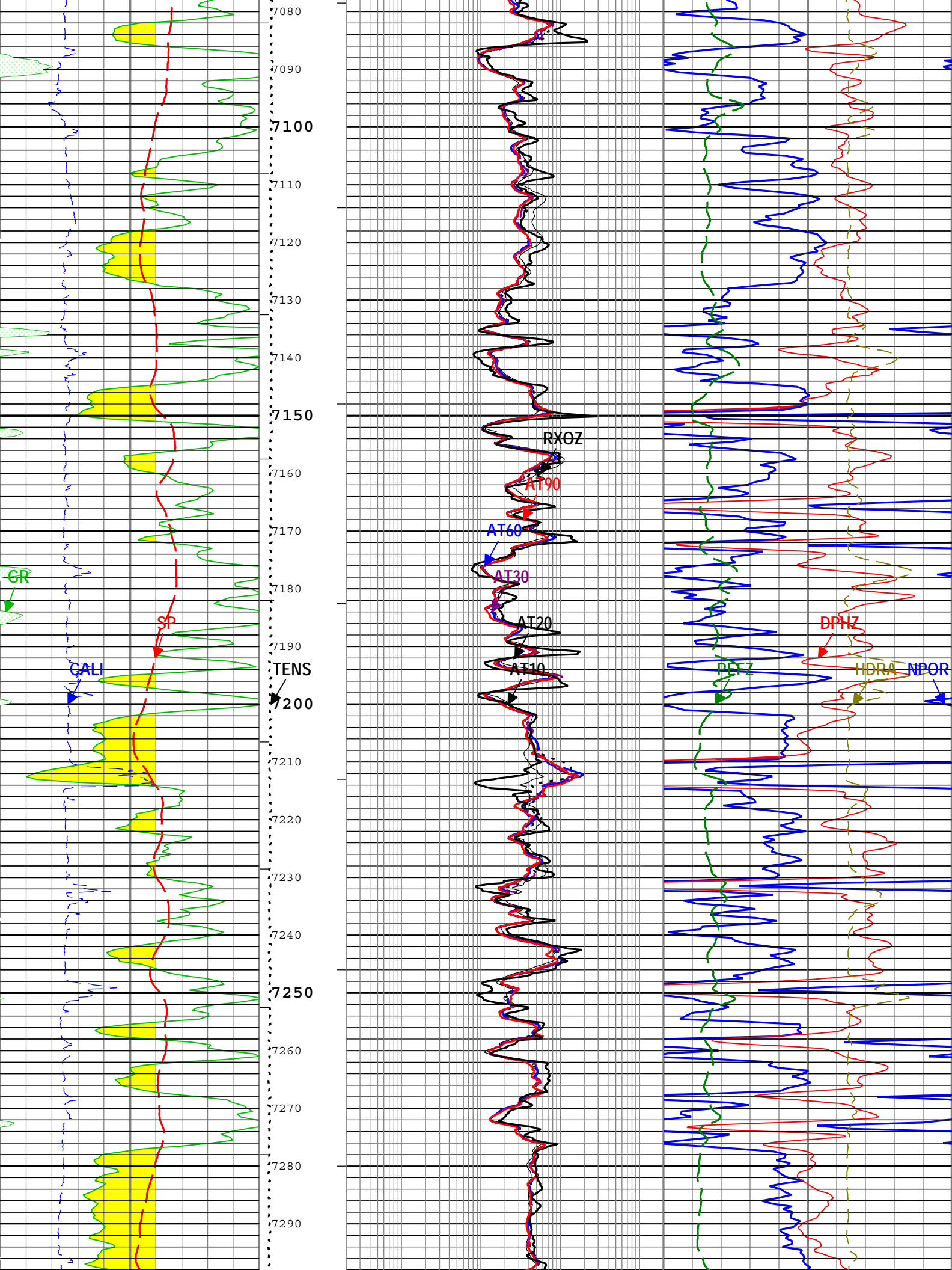


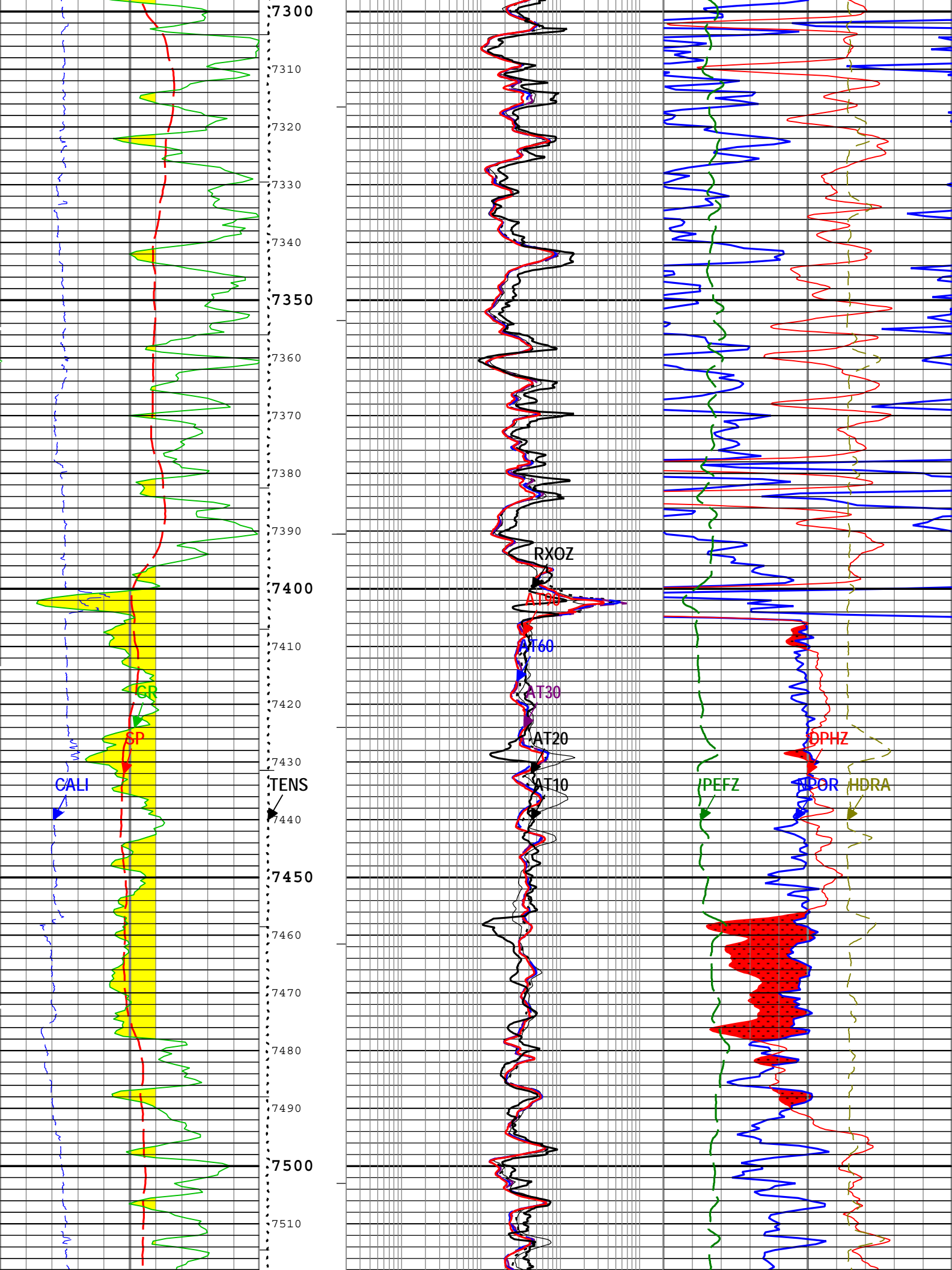


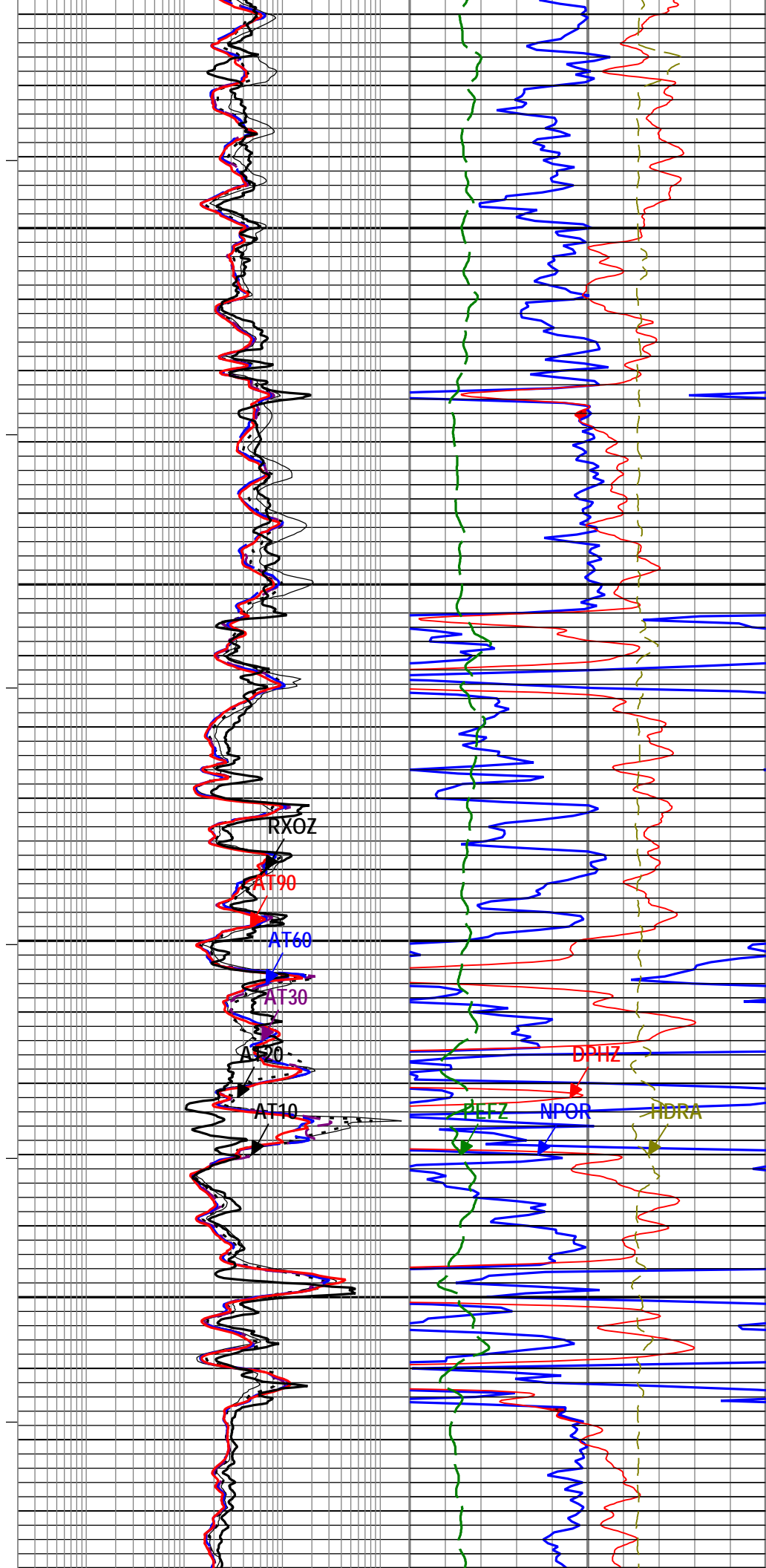
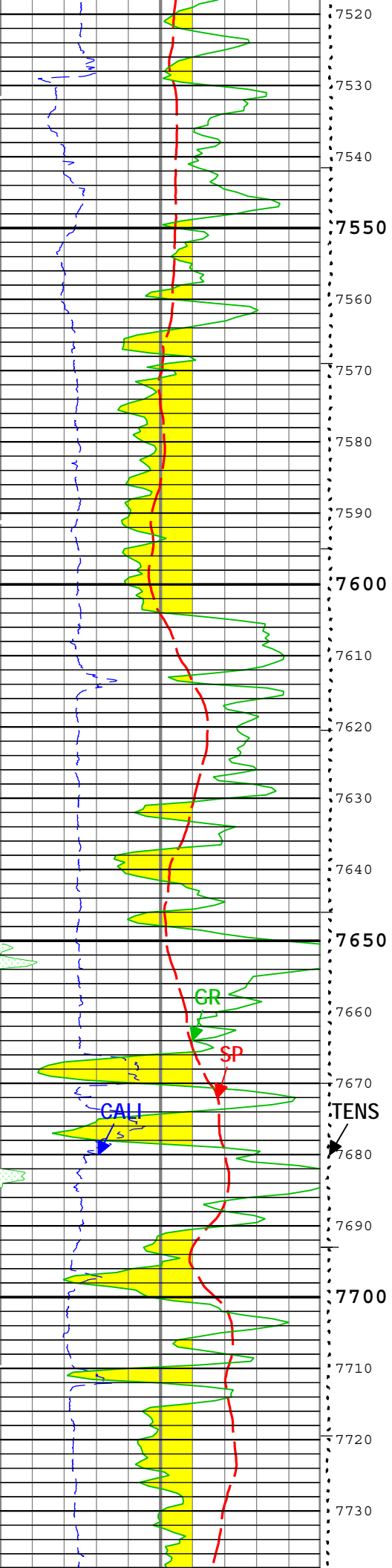


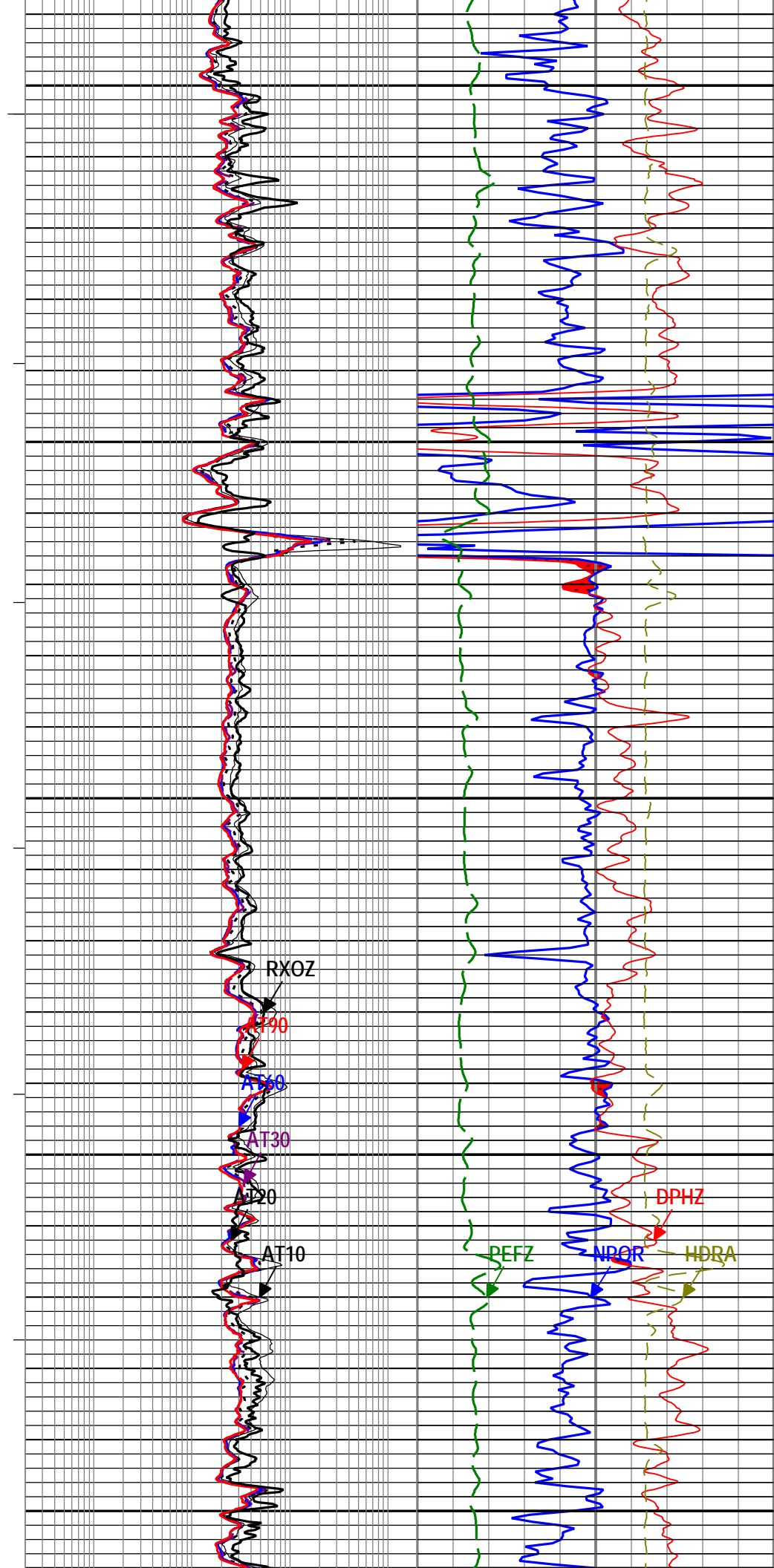
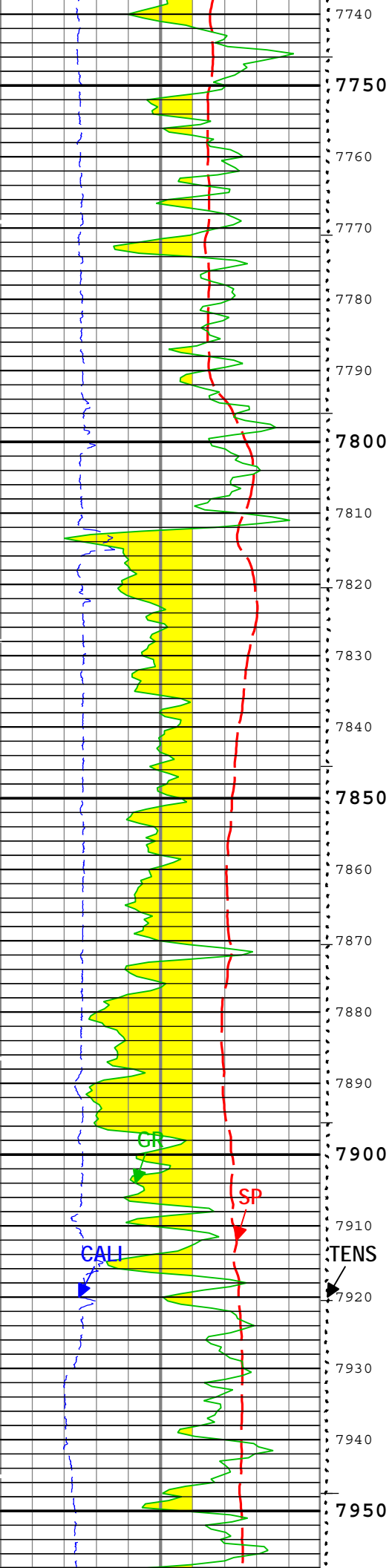


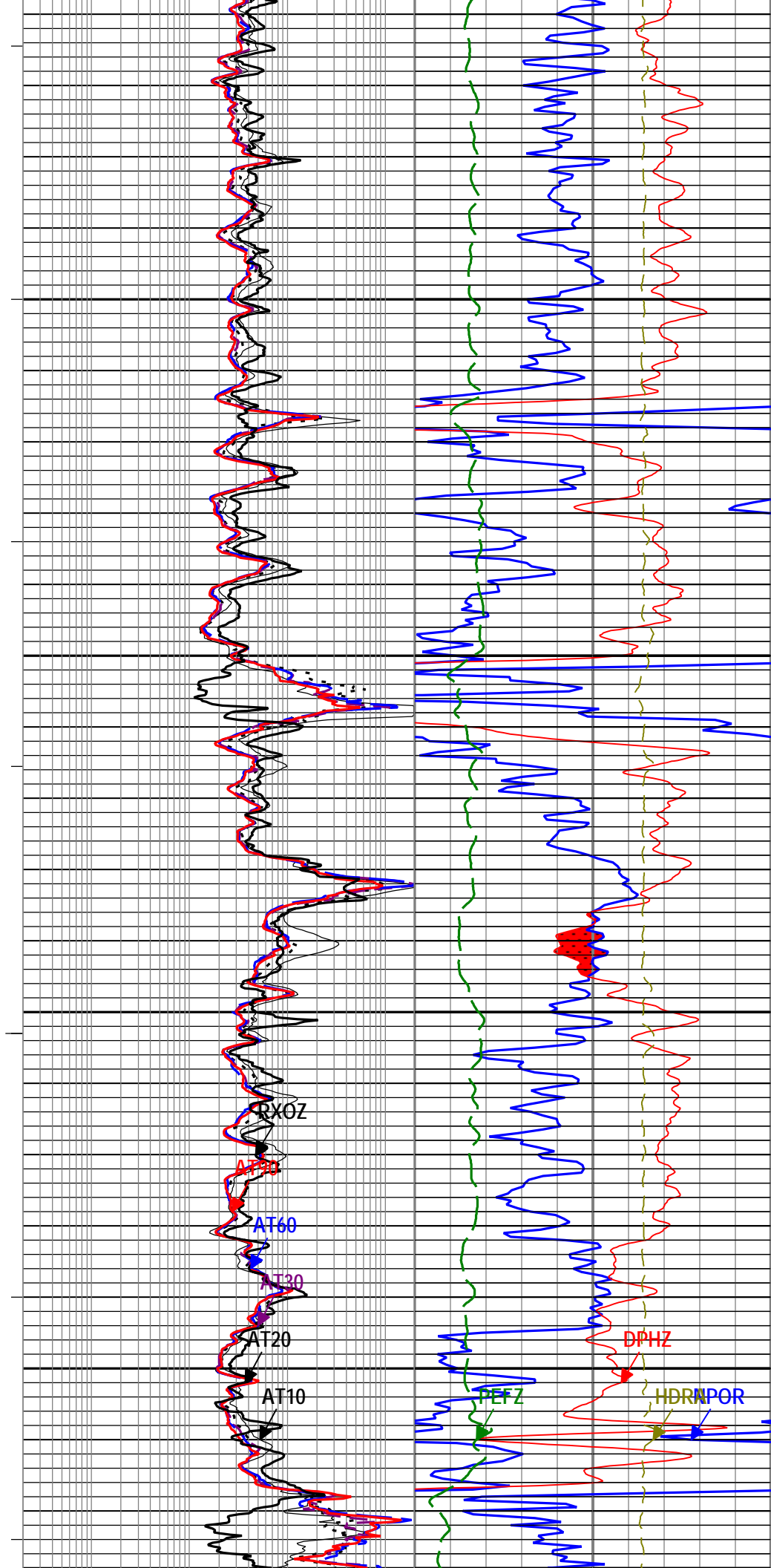
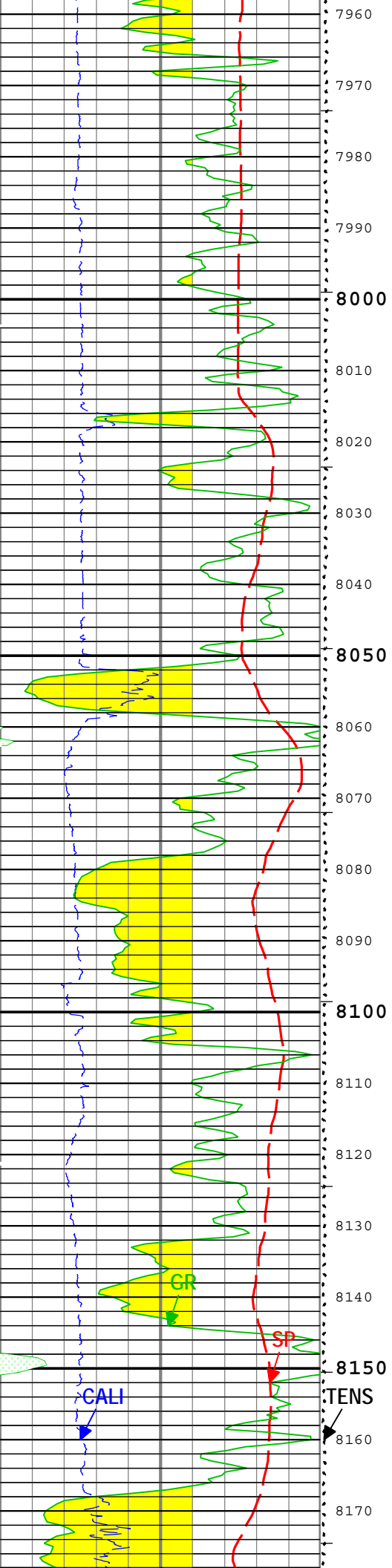


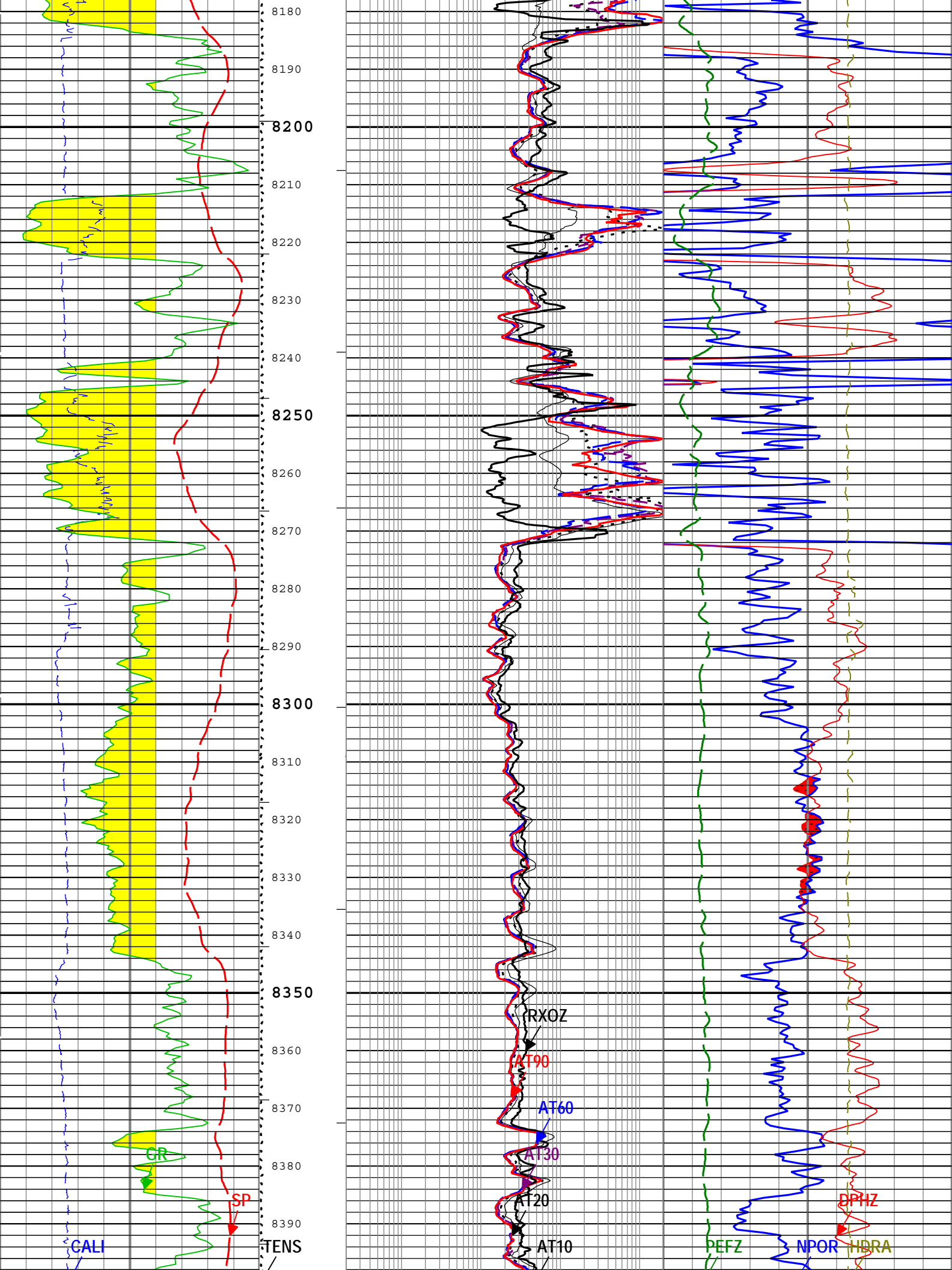


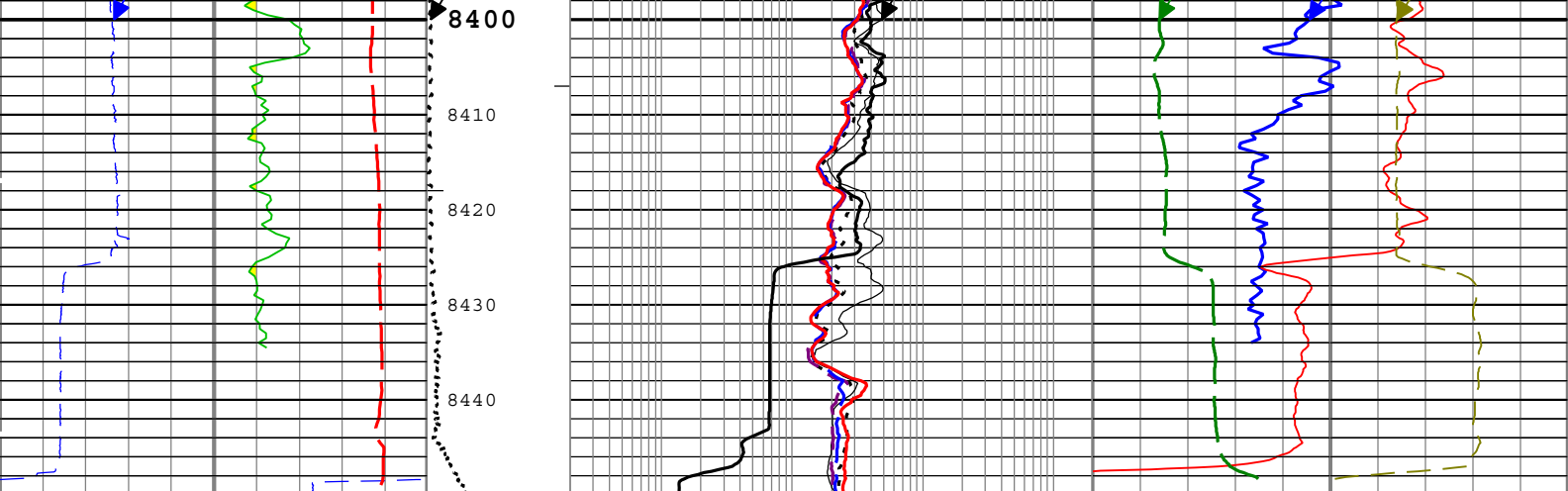












Gamma Ray Below 90 GAPI		
Caliper (CALI) HDRS-H		
6	in	16
Spontaneous Potential (SP) AIT-M		
-120	mV	30
Gamma Ray (GR) HGNS-H		
0	gAPI	150
GAMMA RAY OVER 150		

Cable
Tension
(TENS)

5000 lbf 0

Array Induction Two Foot Resistivity A10 (AT10) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A20 (AT20) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A30 (AT30) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A60 (AT60) AIT-M		
0.2	ohm.m	2000
Array Induction Two Foot Resistivity A90 (AT90) AIT-M		
0.2	ohm.m	2000
Invaded Formation Resistivity filtered at 18 inches (RXOZ) HDRS-H		
0.2	ohm.m	2000

Gas Effect from DPHZ to NPOR		
Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H		
0.3	ft3/ft3	-0.1
Standard Resolution Density Porosity (DPHZ) HDRS-H		
0.3	ft3/ft3	-0.1
Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H		
0	10	
Density Standoff Correction (HDRA) HDRS-H		
-0.2	g/cm3	0.5

TIME_1900 - Time Marked every 60.00 (s)

— IHV - Integrated Hole Volume every 100.00 (ft3)

— IHV - Integrated Hole Volume every 10.00 (ft3)

— ICV - Integrated Cement Volume every 100.00 (ft3)

— ICV - Integrated Cement Volume every 10.00 (ft3)

Description: Triple Combo standard resolution template for Platform Express Format: Log (PEX Triple Combo StdRes) Index Scale: 5 in per 100 ft Index
Unit: ft Index Type: Measured Depth Creation Date: 23-Sep-2012 06:38:23

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
ABHM	Array Induction Borehole Correction Mode	AIT-M	Compute Standoff	
ABLM	Array Induction Basic Logs Mode	AIT-M	Normal	
ACDE	Array Induction Casing Detection Enable	AIT-M	No	
ASTA	Array Induction Tool Standoff	AIT-M	0.125	in
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	2857.51	ppm

CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	1231	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
CSODDRL	Casing Outer Diameter - Zoned along driller depths	WLSESSION	9.625	in
DFD	Drilling Fluid Density	Borehole	9.25	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
FCD	Future Casing (Outer) Diameter	WLSESSION	4.5	in
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	SANDSTONE	
MDEN	Matrix Density for Density Porosity	Borehole	2.68	g/cm3
MFST	Mud Filtrate Sample Temperature	Borehole	75	degF
RMFS	Resistivity of Mud Filtrate Sample	Borehole	1.41	ohm.m
SPDR	SP Drift Per Foot	AIT-M	0	mV/ft

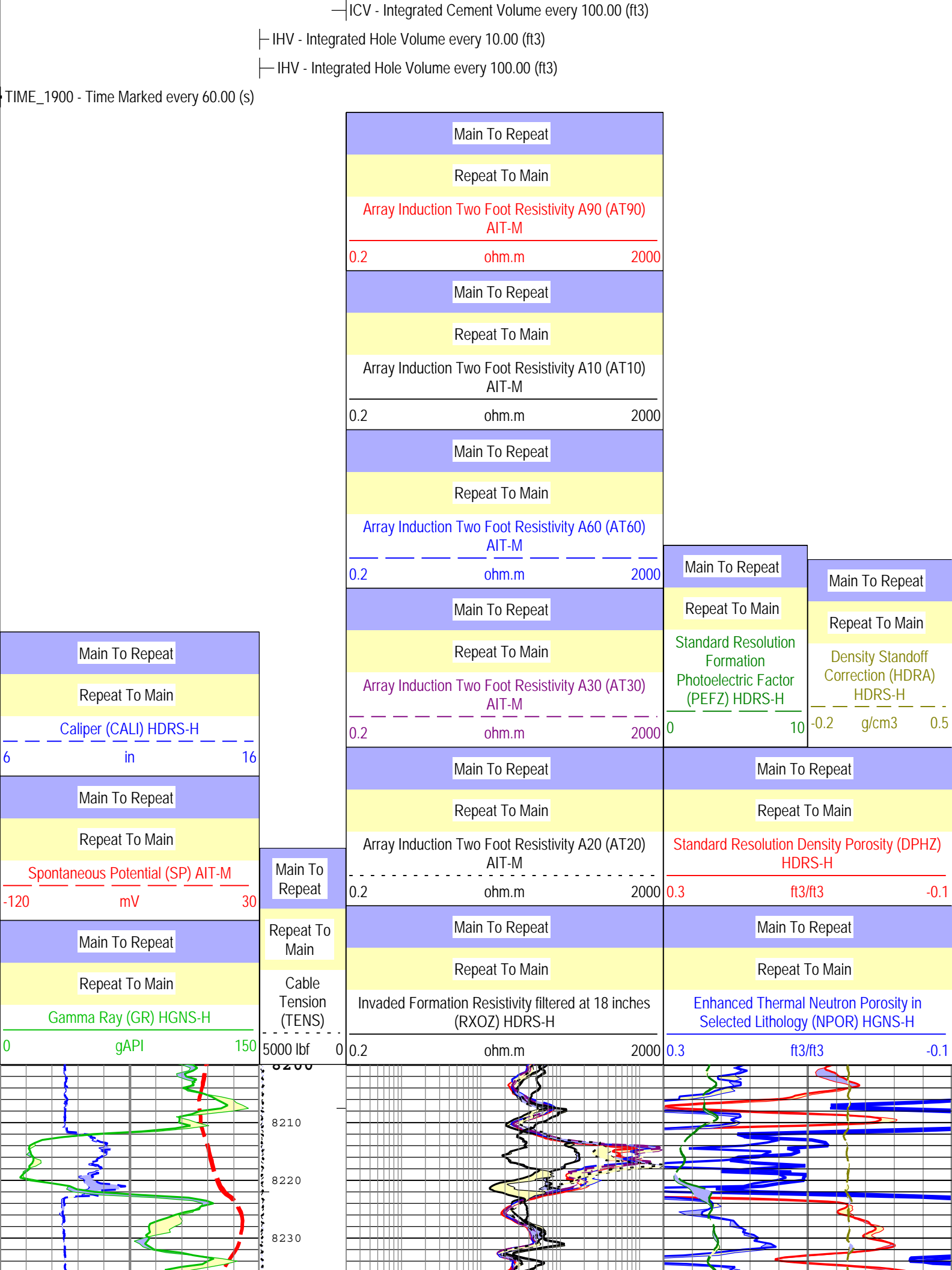
All depth are actual.

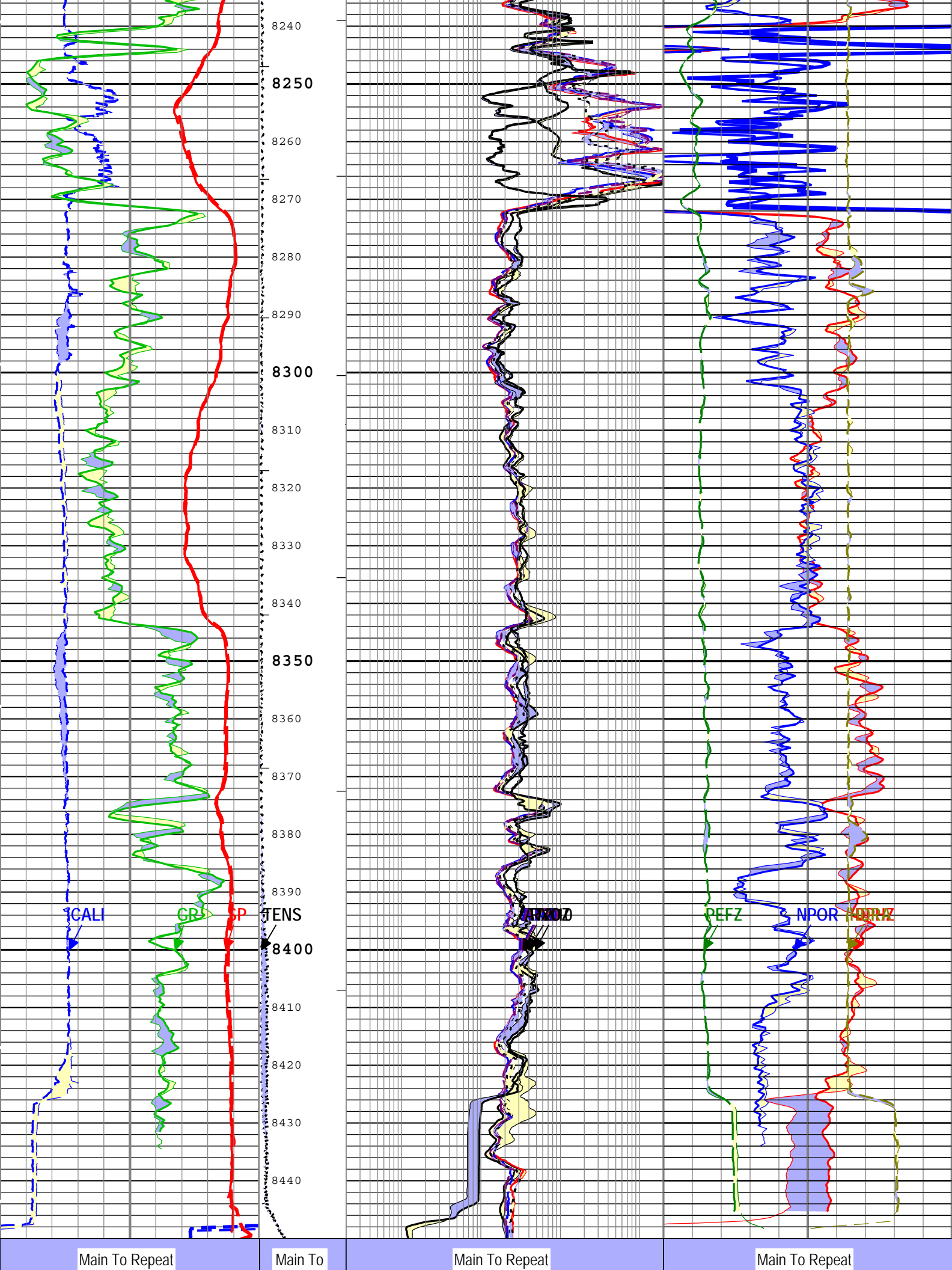
Parameter	Description	Tool	Value	Unit
HMCA_BRD_TYPE	HMCA Board Type	HGNS-H	1	
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

Pass Summary

All depths are referenced to toolstring zero

Description: Triple Combo standard resolution template for Platform Express Format: Log (PEX Triple Combo StdRes RA) Index Scale: 5 in per 100 ft		
Index Unit: ft	Index Type: Measured Depth	Creation Date: 23-Sep-2012 06:38:49
Channel	Source	Sampling
ICV	Borehole	6in
IHV	Borehole	6in
TIME_1900	WLWorkflow	0.1in





Repeat To Main	Repeat	Repeat To Main	Repeat To Main
Caliper (CALI) HDRS-H	Repeat To Main	Array Induction Two Foot Resistivity A90 (AT90) AIT-M	Standard Resolution Density Porosity (DPHZ) HDRS-H
6 in 16	Cable Tension (TENS)	0.2 ohm.m 2000	0.3 ft3/ft3 -0.1
Main To Repeat	5000 lbf 0	Main To Repeat	Main To Repeat
Repeat To Main		Repeat To Main	Repeat To Main
Spontaneous Potential (SP) AIT-M		Array Induction Two Foot Resistivity A10 (AT10) AIT-M	Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H
-120 mV 30		0.2 ohm.m 2000	0.3 ft3/ft3 -0.1
Main To Repeat		Main To Repeat	Main To Repeat
Repeat To Main		Repeat To Main	Repeat To Main
Gamma Ray (GR) HGNS-H		Array Induction Two Foot Resistivity A60 (AT60) AIT-M	Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H
0 gAPI 150		0.2 ohm.m 2000	0 10
		Main To Repeat	Density Standoff Correction (HDRA) HDRS-H
		Repeat To Main	-0.2 g/cm3 0.5
		Array Induction Two Foot Resistivity A30 (AT30) AIT-M	
		0.2 ohm.m 2000	
		Main To Repeat	
		Repeat To Main	
		Array Induction Two Foot Resistivity A20 (AT20) AIT-M	
		0.2 ohm.m 2000	
		Main To Repeat	
		Repeat To Main	
		Invaded Formation Resistivity filtered at 18 inches (RXOZ) HDRS-H	
		0.2 ohm.m 2000	

TIME_1900 - Time Marked every 60.00 (s)

- IHV - Integrated Hole Volume every 100.00 (ft3)
- IHV - Integrated Hole Volume every 10.00 (ft3)
- ICV - Integrated Cement Volume every 100.00 (ft3)
- ICV - Integrated Cement Volume every 10.00 (ft3)

Description: Triple Combo standard resolution template for Platform Express Format: Log (PEX Triple Combo StdRes RA) Index Scale: 5 in per 100 ft
Index Unit: ft Index Type: Measured Depth Creation Date: 23-Sep-2012 06:38:49

Calibration Report		
AIT-M (Array Induction Tool - M) Calibration - Run 3		
Primary Equipment :		
Array Induction Sonde - M	AMIS	266
Auxiliary Equipment :		
AITM Rm/SP Bottom Nose	AMRM	266

AIT Sonde Calibration - Test Loop Gain

Master (EEPROM):		00:49:09 15-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.015	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	0.601	3.000	
Test Loop Gain - 1		Master	1.000	0.950	1.016	1.050	
Test Loop Phase - 1	deg	Master	0	-3.000	0.663	3.000	
Test Loop Gain - 2		Master	1.000	0.950	1.019	1.050	
Test Loop Phase - 2	deg	Master	0	-3.000	0.054	3.000	
Test Loop Gain - 3		Master	1.000	0.950	1.012	1.050	
Test Loop Phase - 3	deg	Master	0	-3.000	0.099	3.000	
Test Loop Gain - 4		Master	1.000	0.950	0.995	1.050	
Test Loop Phase - 4	deg	Master	0	-3.000	0.102	3.000	
Test Loop Gain - 5		Master	1.000	0.950	0.991	1.050	
Test Loop Phase - 5	deg	Master	0	-3.000	-0.041	3.000	
Test Loop Gain - 6		Master	1.000	0.950	1.003	1.050	
Test Loop Phase - 6	deg	Master	0	-3.000	0.267	3.000	
Test Loop Gain - 7		Master	1.000	0.950	1.013	1.050	
Test Loop Phase - 7	deg	Master	0	-3.000	-0.056	3.000	

AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM):		00:49:09 15-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-131.907	119.000	
Sonde Error Correction Quad - 0		Master	-----	-2250.000	41.022	2250.000	
Sonde Error Correction Real - 1	mS/m	Master	-----	114.000	160.740	204.000	
Sonde Error Correction Quad - 1		Master	-----	-625.000	-223.571	625.000	
Sonde Error Correction Real - 2	mS/m	Master	-----	66.000	101.612	156.000	
Sonde Error Correction Quad - 2		Master	-----	-350.000	-205.484	350.000	
Sonde Error Correction Real - 3	mS/m	Master	-----	39.000	60.824	89.000	
Sonde Error Correction Quad - 3		Master	-----	-250.000	-26.364	250.000	
Sonde Error Correction Real - 4	mS/m	Master	-----	15.000	24.805	35.000	
Sonde Error Correction Quad - 4		Master	-----	-63.000	-19.867	63.000	
Sonde Error Correction Real - 5	mS/m	Master	-----	4.000	13.850	24.000	
Sonde Error Correction Quad - 5		Master	-----	-50.000	9.793	50.000	
Sonde Error Correction Real - 6	mS/m	Master	-----	5.000	9.514	15.000	
Sonde Error Correction Quad - 6		Master	-----	-30.000	5.397	30.000	
Sonde Error Correction Real - 7	mS/m	Master	-----	-5.000	-2.013	5.000	
Sonde Error Correction Quad - 7		Master	-----	-30.000	6.078	30.000	

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM):		00:49:09 15-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Coarse Gain		Master	1.000	0.800	1.010	1.200	
Fine Gain		Master	1.000	0.800	1.010	1.200	

AIT Electronics Check - Thru Calibration Check

Master (EEPROM):		00:49:09 15-Sep-2012	Before (Measured):	02:52:55 21-Nov-2012	After:		
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Thru Cal Mag - 0	V	Master	-----	0.366	0.619	0.854	
		Before	-----	0.366	0.619	0.854	
		After	-----	-----	-----	-----	
		Before-Master	-----	-----	0.000	-----	
		After-Before	-----	-----	-----	-----	
Thru Cal Phase - 0	deg	Master	-----	137.000	176.418	-103.000	
		Before	-----	137.000	176.520	-103.000	
		After	-----	-----	-----	-----	
		Before-Master	-----	-----	0.102	-----	
		After-Before	-----	-----	-----	-----	
Thru Cal Mag - 1	V	Master	-----	0.762	1.269	1.778	
		Before	-----	0.762	1.269	1.778	
		After	-----	-----	-----	-----	
		Before-Master	-----	-----	0.000	-----	
		After-Before	-----	-----	-----	-----	
Thru Cal Phase - 1	deg	Master	-----	136.000	175.343	-104.000	
		Before	-----	136.000	175.443	-104.000	
		After	-----	-----	-----	-----	

[illegible]

SPA Plus	mv	Master Before After Before-Master After-Before		941.000 941.000 ----- ----- -----	991.167 991.177 ----- 0.010 -----	1040.000 1040.000 ----- ----- -----	
Temperature Zero	V	Master Before After Before-Master After-Before		-0.050 -0.050 ----- ----- -----	0.000 0.000 ----- 0.000 -----	0.050 0.050 ----- ----- -----	
Temperature Plus	V	Master Before After Before-Master After-Before		0.870 0.870 ----- ----- -----	0.918 0.918 ----- 0.000 -----	0.960 0.960 ----- ----- -----	

HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run 3

Primary Equipment :					
	HILT High-Resolution Control Cartridge, 150 degC	HRCC-H		3853	
	HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H		4744	
Auxiliary Equipment :					
	HRDD Backscatter Detector	Backscatter		26714	
	HRDD Long Spacing Detector	Long Spacing		28927	
	HRDD Short Spacing Detector	Short Spacing		27987	
	Cesium 137 Gamma-Ray Logging Source	GSR-J		5175	
	HILT High-Resolution Control Cartridge, 150 degC	HRCC-H		3853	
	HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H		3970	
Calibration Parameter :					
	Small Ring Size (Caliper Calibration Small Ring)	8.00			
	Large Ring Size (Caliper Calibration Large Ring)	12.00			

HDRS Caliper Calibration - Caliper Accumulations

Before (Measured):		17:46:14 21-Sep-2012 Expired by 1 days					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	7.56	10.00	
Large Ring	in	Before	12.00	9.00	11.85	15.00	

HDRS Density Calibration - Inversion Results

Master (EEPROM):		20:07:24 14-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.597	2.606	
Rho Magnesium	g/cm3	Master	1.686	1.676	1.687	1.696	
Pe Aluminum		Master	2.570	2.470	2.587	2.670	
Pe Magnesium		Master	2.650	2.550	2.612	2.750	

HDRS Density Calibration - Deviation Summary

Master (EEPROM):		20:07:24 14-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.2283	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.5593	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.3636	1.0000	
SS Max Deviation	%	Master	0	-2.5000	1.2764	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.5922	1.5000	
LS Max Deviation	%	Master	0	-3.5000	1.5057	3.5000	

HDRS Density Calibration - Background Summary

Master (EEPROM):		20:07:24 14-Sep-2012		Before (Measured):		20:34:06 22-Sep-2012	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7347		
		Before	0.7347	0.6979	0.7345	0.7714	
		Before-Master	-----	-----	-0.0002	-----	
BS Window Sum	1/s	Master	1		28429		
		Before	28429	27007	28415	29850	

SS Window Ratio		Before-Master	-----	-----	-14	-----	
		Master	1.0000		0.4741		
		Before	0.4741	0.4504	0.4729	0.4978	
SS Window Sum	1/s	Before-Master	-----	-----	-0.0012	-----	
		Master	1		11398		
		Before	11398	10828	11383	11968	
LS Window Ratio		Before-Master	-----	-----	-15	-----	
		Master	1.0000		0.2975		
		Before	0.2975	0.2827	0.2978	0.3124	
LS Window Sum	1/s	Before-Master	-----	-----	0.0003	-----	
		Master	1		1359		
		Before	1359	1291	1356	1427	
		Before-Master	-----	-----	-3	-----	

HDRS Density Calibration - Photo-multiplier High Voltages

Master (EEPROM):		20:07:24 14-Sep-2012		Before (Measured):		20:34:06 22-Sep-2012	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1608	2400	
		Before		1000	1602	2400	
		Before-Master	-----	-100	-6	100	
SS PM High Voltage	V	Master		1000	1414	2400	
		Before		1000	1421	2400	
		Before-Master	-----	-100	7	100	
LS PM High Voltage	V	Master		1000	1430	2400	
		Before		1000	1416	2400	
		Before-Master	-----	-100	-14	100	

HDRS Density Calibration - Crystal Quality Resolutions

Master (EEPROM):		20:07:24 14-Sep-2012		Before (Measured):		20:34:06 22-Sep-2012	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	11.62	25.00	
		Before		5.00	11.63	25.00	
		Before-Master	-----	-1.00	0.01	1.00	
SS Crystal Resolution	%	Master		5.00	9.18	20.00	
		Before		5.00	8.97	20.00	
		Before-Master	-----	-1.00	-0.21	1.00	
LS Crystal Resolution	%	Master		5.00	9.35	20.00	
		Before		5.00	9.12	20.00	
		Before-Master	-----	-1.00	-0.23	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured):		20:34:22 22-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3902	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3834	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3834	4136	

HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run 3

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 150 degC		HGNS-H	3985
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	4269
AmBe Neutron Logging Source		NSR-F	2649
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before (Measured):		20:28:18 22-Sep-2012					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement	ft/s2	Before	32.2	31.5	32.1	32.8	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (EEPROM):		00:00:00 15-Aug-2005					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Accelerometer Manufacturer		Master			QAT_160		
Accelerometer Reference Temperature	degF	Master		30.2	77.0	122.0	
Accelerometer Coefficients - 0		Master	----	----	336.900	----	
Accelerometer Coefficients - 1		Master	----	----	37.580	----	
Accelerometer Coefficients - 2		Master	----	----	-0.019	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.730	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	299.000	----	
Accelerometer Coefficients - 9		Master	----	----	1.007	----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (EEPROM):		19:42:16 10-Aug-2012		Before (Measured):		09:03:38 22-Sep-2012		After:	
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	<div></div>	
Near Zero Measurement	1/s	Master	0	5.0		26.2	40.0	<div></div>	
		Before	0	5.0		27.0	40.0	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	-3.9		0.8	3.9	<div></div>	
		After-Before	----	----		----	----	<div></div>	
Far Zero Measurement	1/s	Master	0	5.0		26.7	40.0	<div></div>	
		Before	0	5.0		26.0	40.0	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	-4.0		-0.7	4.0	<div></div>	
		After-Before	----	----		----	----	<div></div>	
Near Plus Measurement - 0	1/s	Master	6031.0	4700.0		5090.0	6900.0	<div></div>	
		Before	----	----		----	----	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	----		----	----	<div></div>	
		After-Before	----	----		----	----	<div></div>	
Far Plus Measurement - 0	1/s	Master	2793.0	1900.0		2130.0	2900.0	<div></div>	
		Before	----	----		----	----	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	----		----	----	<div></div>	
		After-Before	----	----		----	----	<div></div>	
Near Corrected Plus Measurement - 0	1/s	Master		4700.0		5085.0	6900.0	<div></div>	
		Before	----	----		----	----	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	----		----	----	<div></div>	
		After-Before	----	----		----	----	<div></div>	
Far Corrected Plus Measurement - 0	1/s	Master		1900.0		2117.0	2900.0	<div></div>	
		Before	----	----		----	----	<div></div>	
		After	----	----		----	----	<div></div>	
		Before-Master	----	----		----	----	<div></div>	
		After-Before	----	----		----	----	<div></div>	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations

Before (Measured):								09:06:09 22-Sep-2012		After:							
Measurement			Unit	Phase	Nominal	Low Limit	Actual	High Limit									
RGR Zero Measurement			gAPI	Before	30.0	0	43.4	120.0									
				After	----	----	----	----									
				After-Before	----	----	----	----									
RGR Plus Measurement			gAPI	Before	185.4	157.1	169.7	206.3									
				After	----	----	NOT DONE	----									
				After-Before	----	----	----	----									
GR Calibration Gain				Before	0.89	0.80	0.97	1.05									
				After	----	----	----	----									
				After-Before	----	----	----	----									

LEH-QT (Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor) Calibration - Run 3

Primary Equipment :							
Logging Equipment Head - QT, 3-3/8 inch 31 pin HPHT with Tension Sensor				LEH-QT		2968	

HTEN Master Calibration - HTEN Master Calibration

Master:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
HTEN Shop Gain		Master	1.000	0.800	NOT DONE	4.500	
HTEN Shop Offset	lbf	Master	0	-1000.000	NOT DONE	1000.000	

HTEN Before Calibration - HTEN Before Calibration

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RHTE Zero Measurement - 0	lbf	Before	----	----	----	----	
RHTE Plus Measurement - 0	lbf	Before	----	----	----	----	
HTEN Gain - 0		Before	----	----	----	----	
HTEN Offset - 0	lbf	Before	----	----	----	----	

Company: DEJOUR ENERGY

Schlumberger

Well: FEDERAL 6-7-16-21

Field: KOKEPELLI

County: GARFIELD

Country: USA

****PLATFORM EXPRESS****

COMPENSATED NEUTRON, LITHO

INDUCTION RESISTIVITY, GR, SP