

Company: Omimex Petroleum Inc

Well: Kennedy State 1 1 36 7 45

Field: Holyoke South

County: Phillip Country: USA

Platform Express

Compensated Neutron Log

LithoDensity

County: Phillip
Field: Holyoke South
Location: 2226 FSL 2470 FWL
Well: Kennedy State 11 36 7 45
Company: Omimex Petroleum Inc

Location:		2226 FSL 2470 FWL	Elev.:	K.B.	3775.00 ft
Permanent Datum:	Ground Level			G.L.	3769.00 ft
Log Measured From:	Kelly Bushing		6.00 ft	D.F.	3775.00 ft
Drilling Measured From:	Kelly Bushing				above Perm.Datum

API Serial No.	Max.Hole Deviation	Longitude:	Latitude:
05-0095-06467	0 deg	-102.33151 degrees	40.533450 degrees

Logging Date 19-Nov-2014

Run Number Run 1

Depth Driller 2792.00 ft

Schlumberger Depth 2792.00 ft

Bottom Log Interval 2792.00 ft

Top Log Interval 475.60 ft

Casing Driller Size @ Depth 7 in @ 477.10 ft

Casing Schlumberger 475.6 ft

Bit Size 6.25 in

Type Fluid In Hole Water

Density	Viscosity	33 s
Fluid Loss	PH	8

Source of Sample Active Tank

RM @ Meas Temp 0.62 ohm.m @ 75 degF

RMF @ Meas Temp 0.47 ohm.m @ 75 degF

RMC @ Meas Temp 0.78 ohm.m @ 75 degF

Source RMF RMC Calculated

RM @ BHT RMF @ BHT 0.23 @ 212 0.18 @ 212

Max Recorded Temperatures 114 degF

Circulation Stopped 18-Nov-2014 19:00:00

Logger on Bottom 19-Nov-2014 01:00:00

Unit Number 3022 Location: Fort Morgan

Recorded By Tezla Hayduk

Witnessed By Paul Dekaye

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. Operational Run Summary

7. Borehole Fluids

8. Remarks and Equipment Summary

9. Depth Summary

10. Run 1

10.1 Integration Summary

10.2 Software Version

10.3 Composite Summary

10.4 Log (EMD 5in Porosity)

10.5 Parameter Listing

11. Run 1

11.1 Composite Summary
13. Calibration Report

14. Tail

11.2 EMD 5in Porosity RA

12. Run 1 5" Density

12.1 Integration Summary

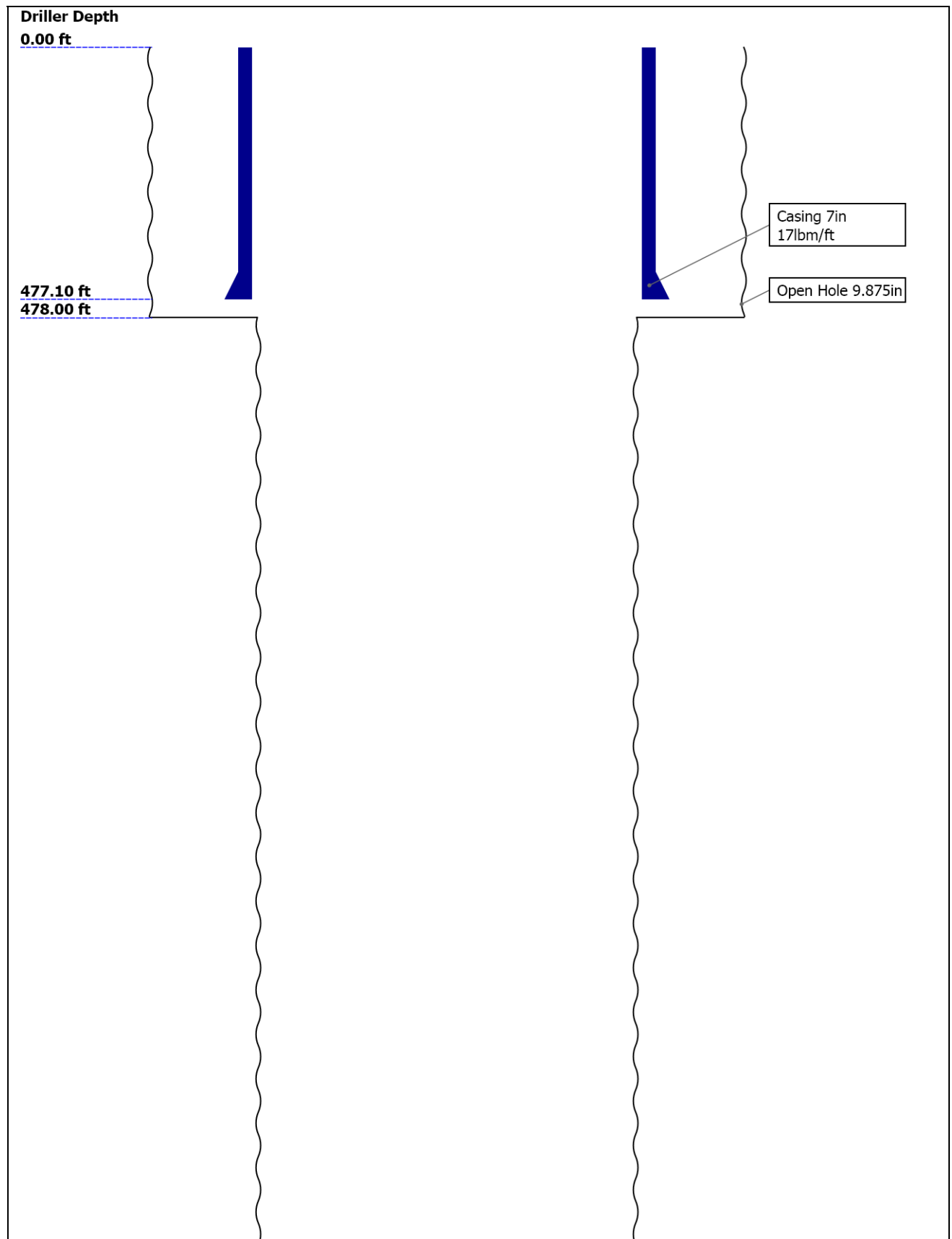
12.2 Software Version

12.3 Composite Summary

12.4 Log (EMD 5in Density)

12.5 Parameter Listing

Well Sketch





Borehole Size/Casing/Tubing Record

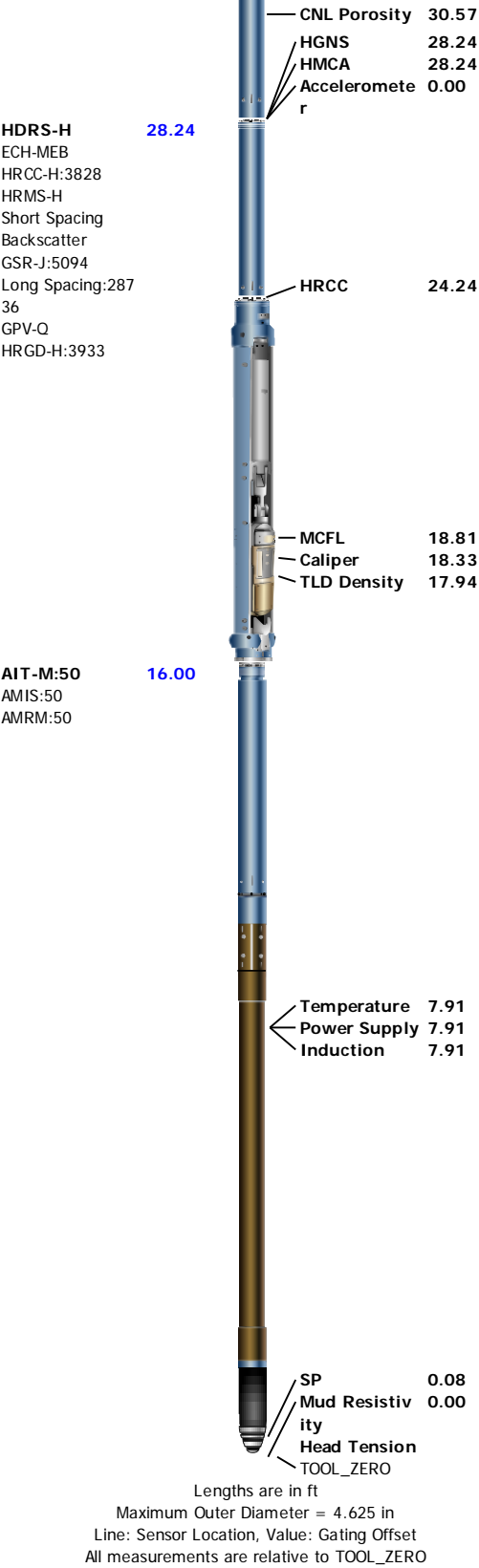
Bit						
Bit Size (in)	9.875	6.25				
Top Driller (ft)	0	478				
Top Logger (ft)	0	478				
Bottom Driller (ft)	478	2792				
Bottom Logger (ft)	478	2792				
Casing						
Size (in)	7					
Weight (lbm/ft)	17					
Inner Diameter (in)	6.538					
Grade	N/A					
Top Driller (ft)	0					
Top Logger (ft)	0					
Bottom Driller (ft)	477.1					
Bottom Logger (ft)	475.6					

Operational Run Summary

Parameter (unit)	Run 1					
Date Log Started	19-Nov-2014					
Time Log Started	00:30:42					
Date Log Finished	19-Nov-2014					
Time Log Finished	01:54:29					
Top Log Interval (ft)	475.60					
Bottom Log Interval (ft)	2792.00					
Total Depth (ft)	2789.00					
Max Hole Deviation (deg)	0.00					
Azimuth of Max Deviation (deg)	0.00					
Bit Size (in)	6.250					
Logging Unit Number	3022					
Logging Unit Location	Fort Morgan					
Recorded By	Tezla Hayduk					
Witnessed By	Paul Dekaye					
Service Order Number	CYPH-00033					

Service Order Number	EXP 11-00033					
Borehole Fluids						
Parameter(unit)	Run 1					
Fluid Type	Water					
Fluid Name	Water					
Max Recorded Temperatures (degF)	114					
Source of Sample	Active Tank					
Salinity (ppm)	14800					
Density (lbm/gal)	9.3					
Funnel Viscosity (s)	33					
Fluid Loss (cm3)						
PH	8					
Date/Time Circulation Stopped	18-Nov-2014 19:00:00					
Date Logger on Bottom	19-Nov-2014					
Time Logger on Bottom	01:00:00					
Source RMF	Calculated					
RMC	Calculated					
RM @ Meas Temp (ohm.m@degF)	0.62 @ 75					
RMF @ Meas Temp (ohm.m@degF)	0.47 @ 75					
RMC @ Meas Temp (ohm.m@degF)	0.78 @ 75					
RM @ BHT (ohm.m@degF)	0.23 @ 212					
RMF @ BHT (ohm.m@degF)	0.18 @ 212					
RMC @ BHT (ohm.m@degF)	0.29 @ 212					
Total Solid (%)	7.3					
High Gravity Solids (%)						
Remarks and Equipment Summary						
Run 1: Toolstring				Run 1: Remarks		
Equip name	Length	MP name	Offset	Crew: Jacob Jump, Ian Derry		
LEH-QT	51.57			Toolstring ran as per tool sketch		
LEH-QT						
DTC-H	48.65					
ECH-KC		CTEM	47.75			
DTC-H		HV	0.00			
		ToolStatus	45.65			
		TelStatus	45.65			
AH-184[2]	45.65					
AH-184[1]	43.65					
GPIT-F:770	41.65					
GPIH-B		GPIT-F Incl	40.23			
DHRU-F		ometer				
GPIC-F:770						
HGNS-H	37.65					
HGNH		GPIT	0.00			
NPV-N		Temperature	37.62			
NSR-F:5068		GR	36.91			
UWCA-11						

HMCA-H
HGNS-H
HACCZ-H:3616

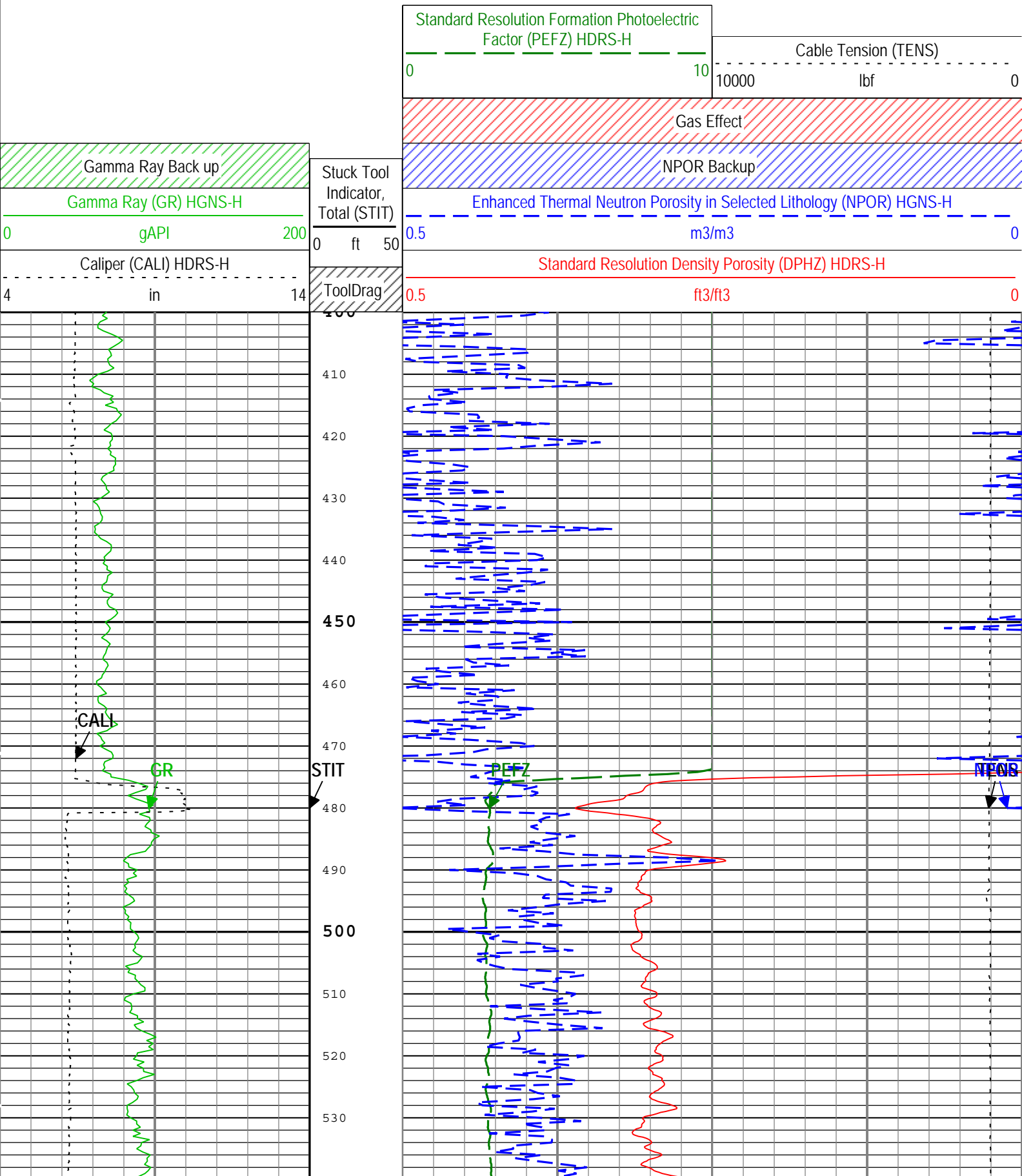


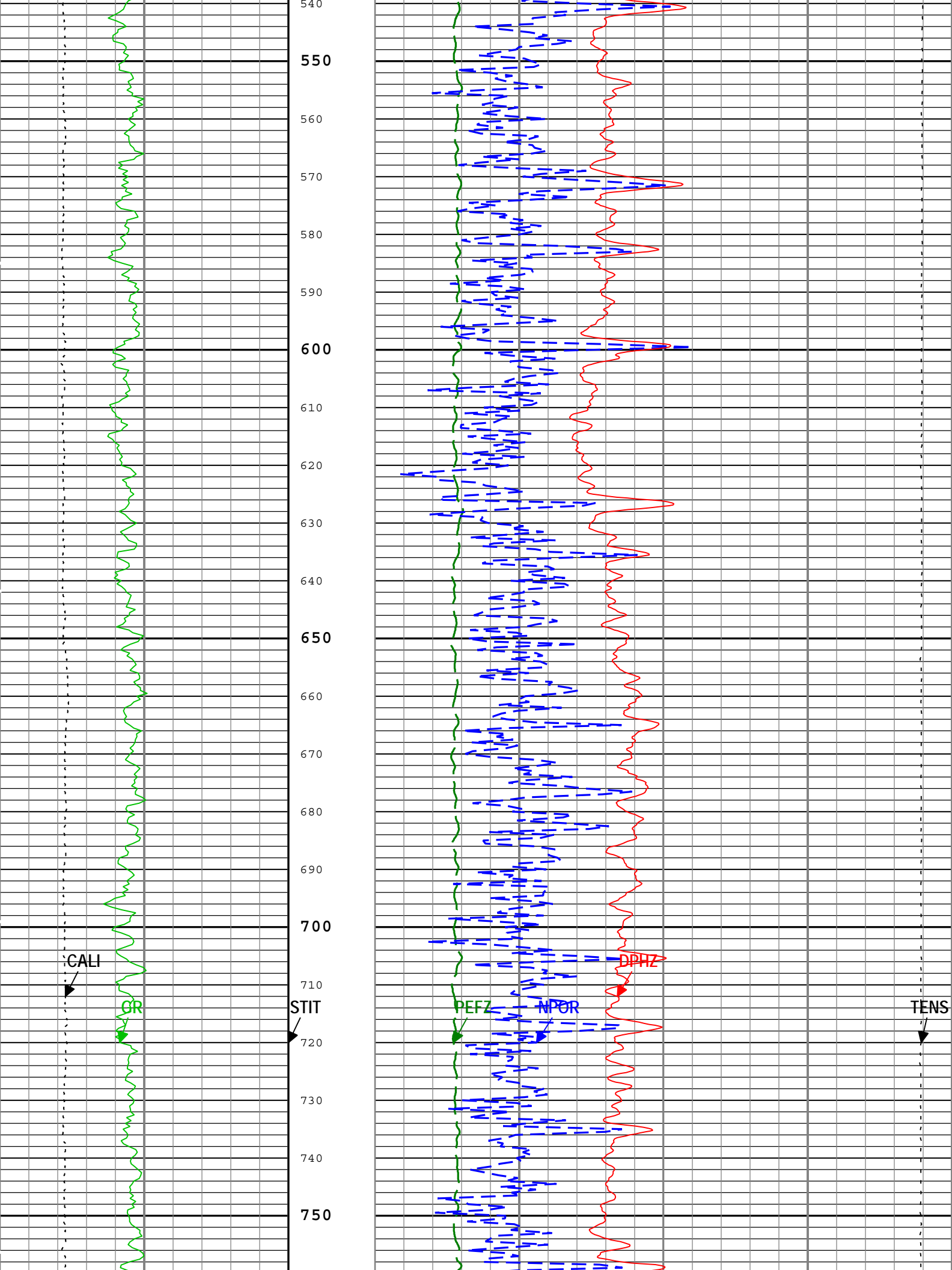
Depth Summary			
Run 1			
Depth Measuring Device			
Type	IDW-JA		
Serial Number	5896		
Calibration Date	13-Aug-2014		

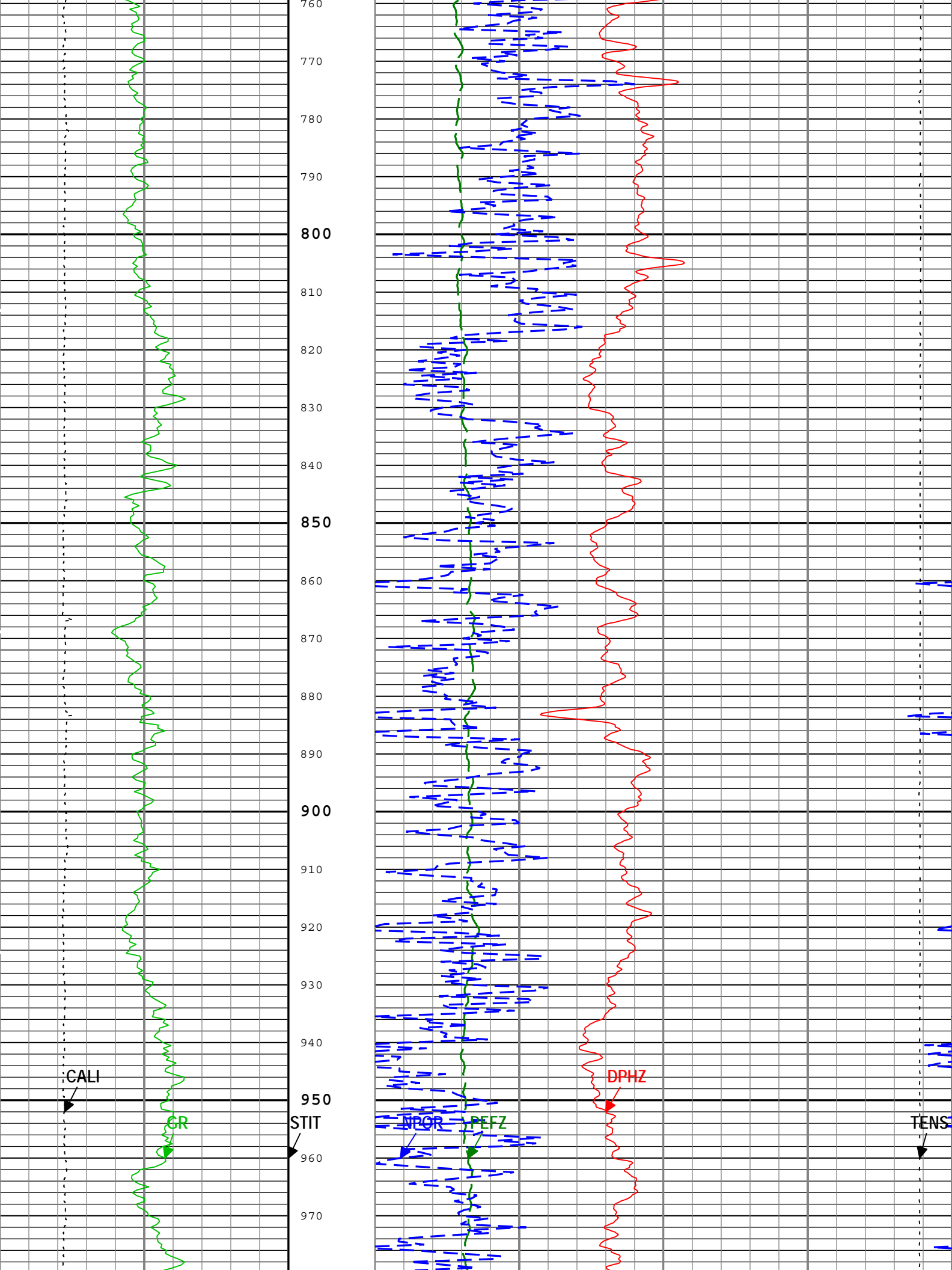
Channel	Source	Sampling
CALI	HDRS-H:HRCC-H:HRCC-H	1in
DPHZ	HDRS-H:HRMS-H:HRGD-H	2in

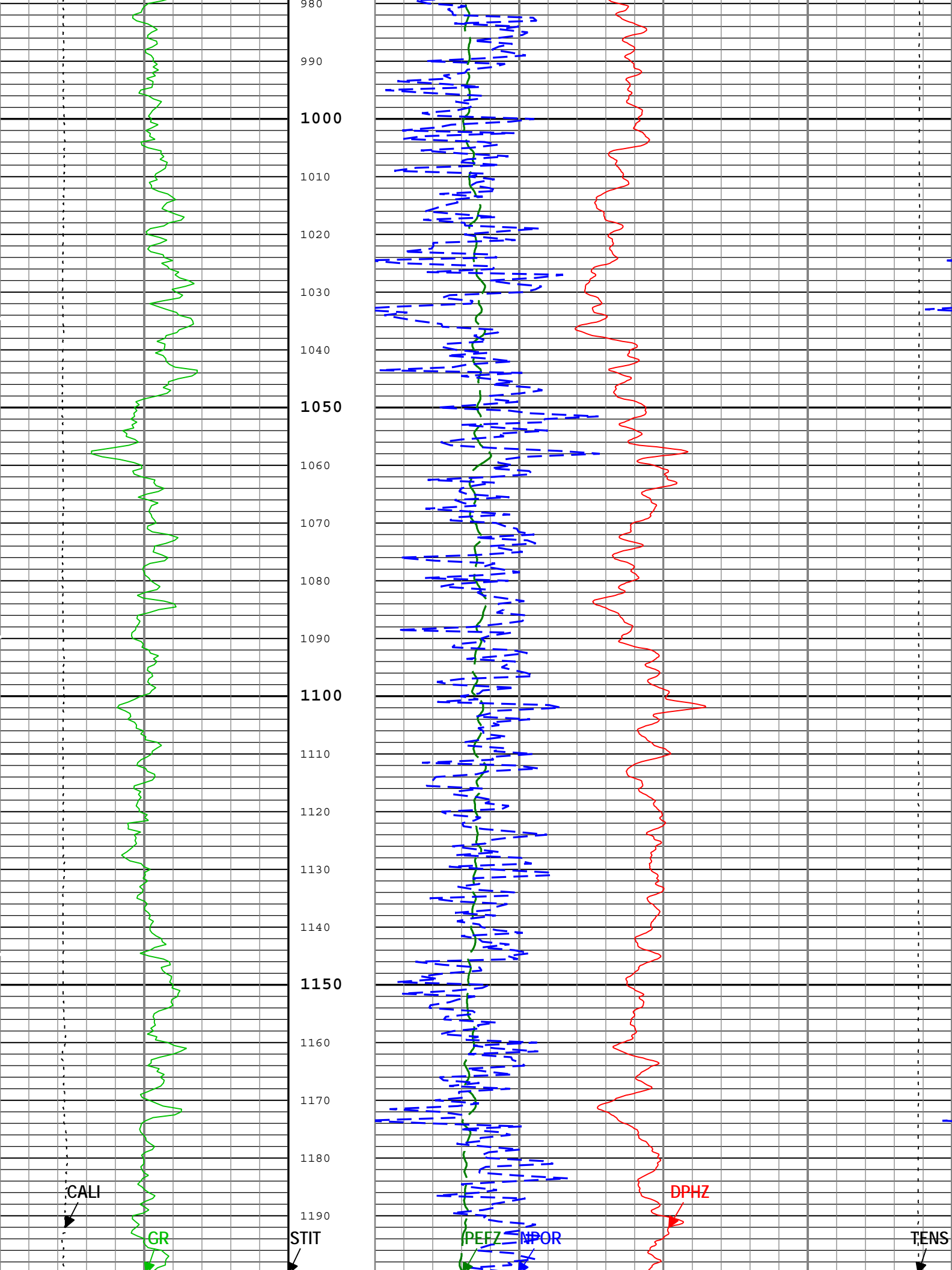
GR	HGNS-H:HGNS-H:HGNS-H	6in
NPOR	HGNS-H:HGNS-H:HGNS-H	6in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
STIT	DepthCorrection	6in
TENS	WLWorkflow	6in
TIME_1900	WLWorkflow	0.1in

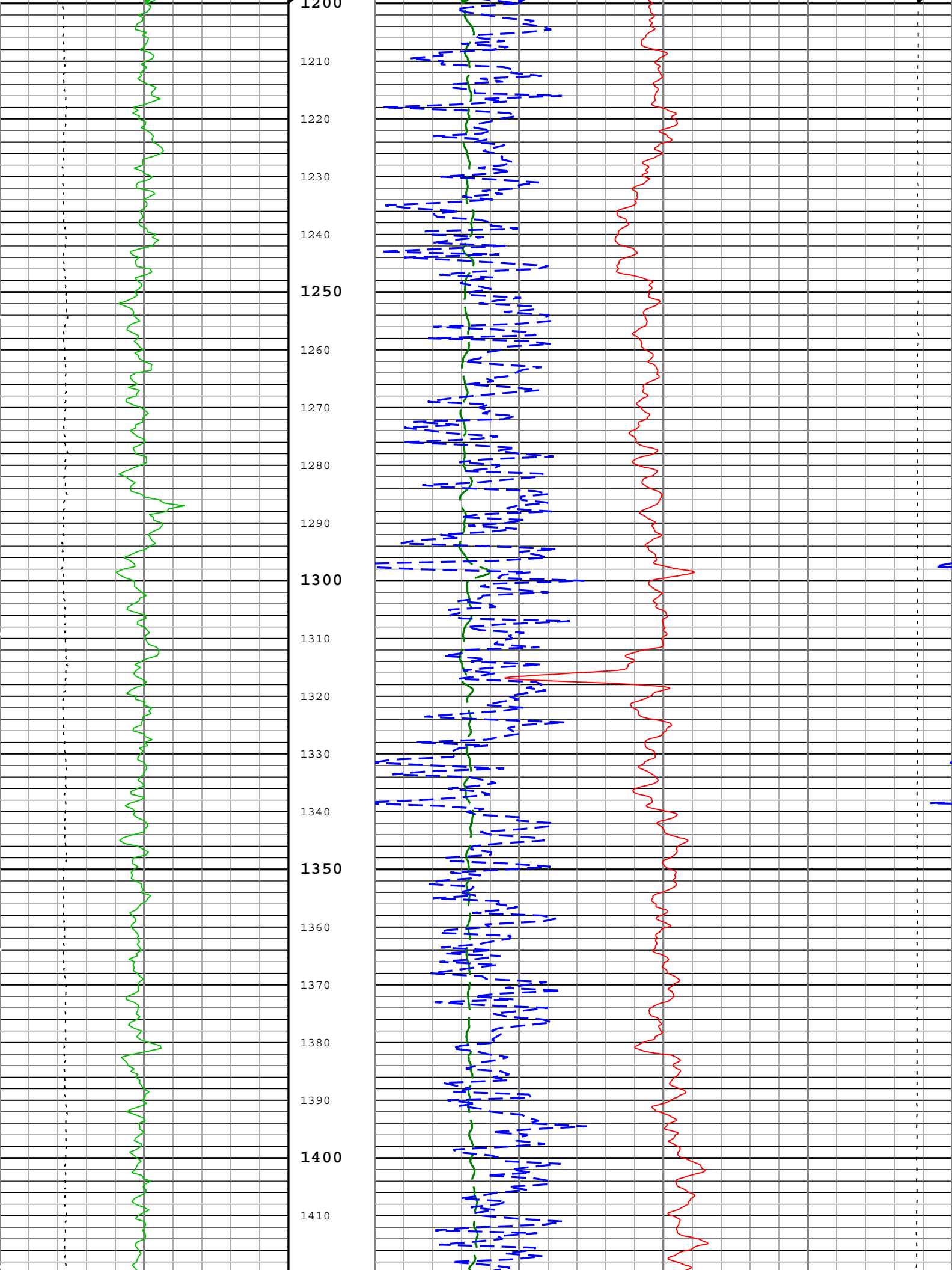
TIME_1900 - Time Marked every 60.00 (s)

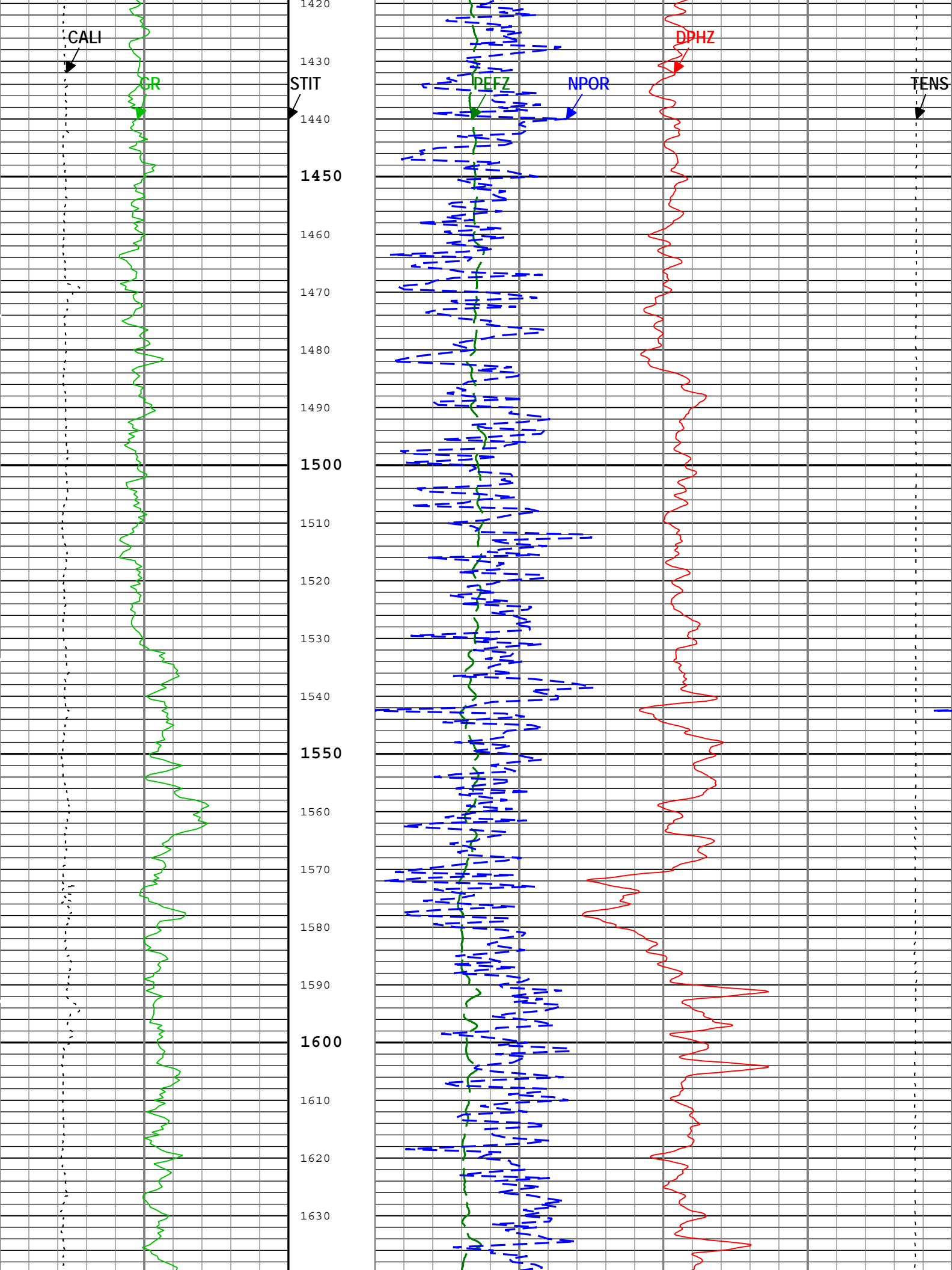


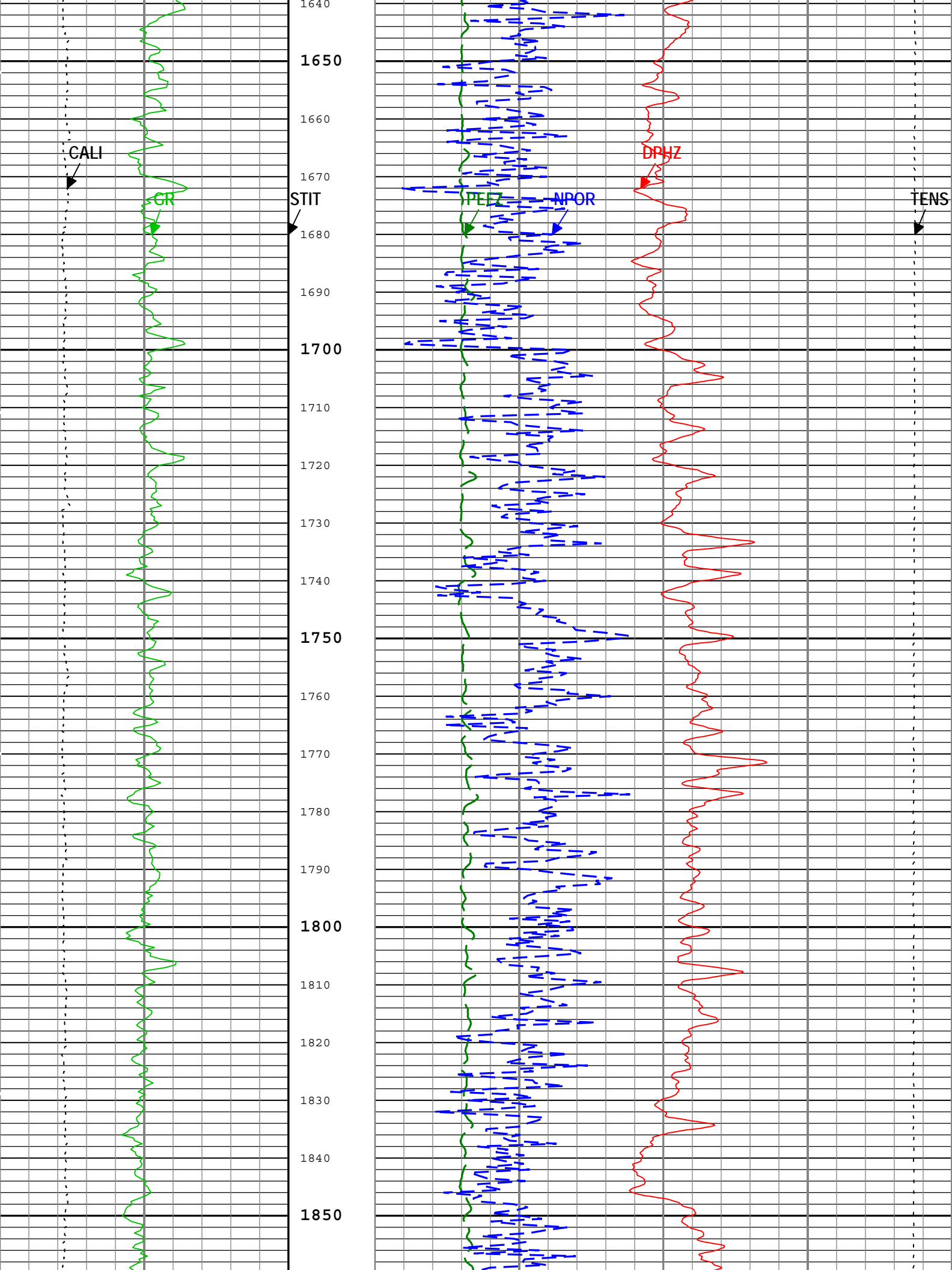


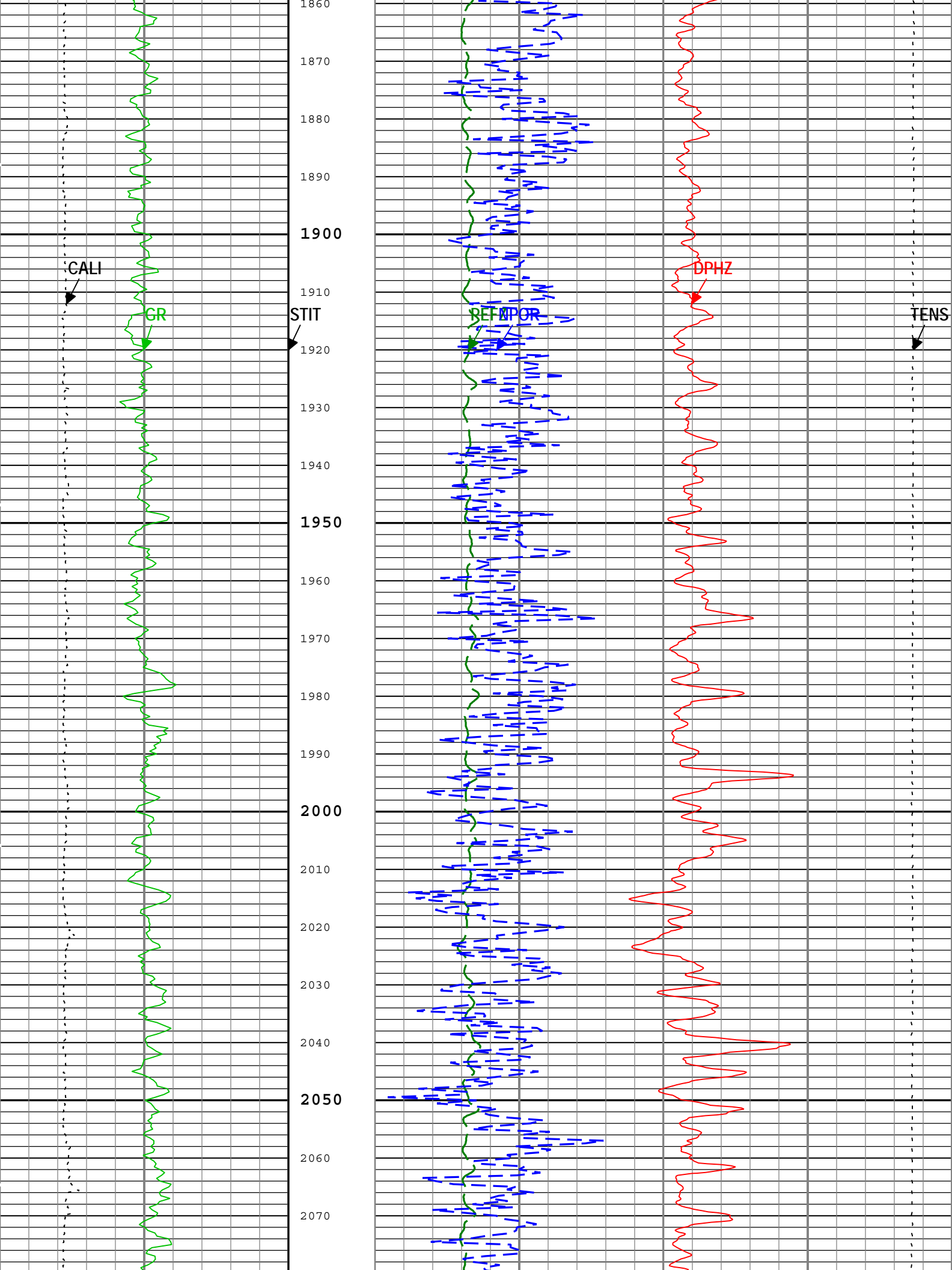


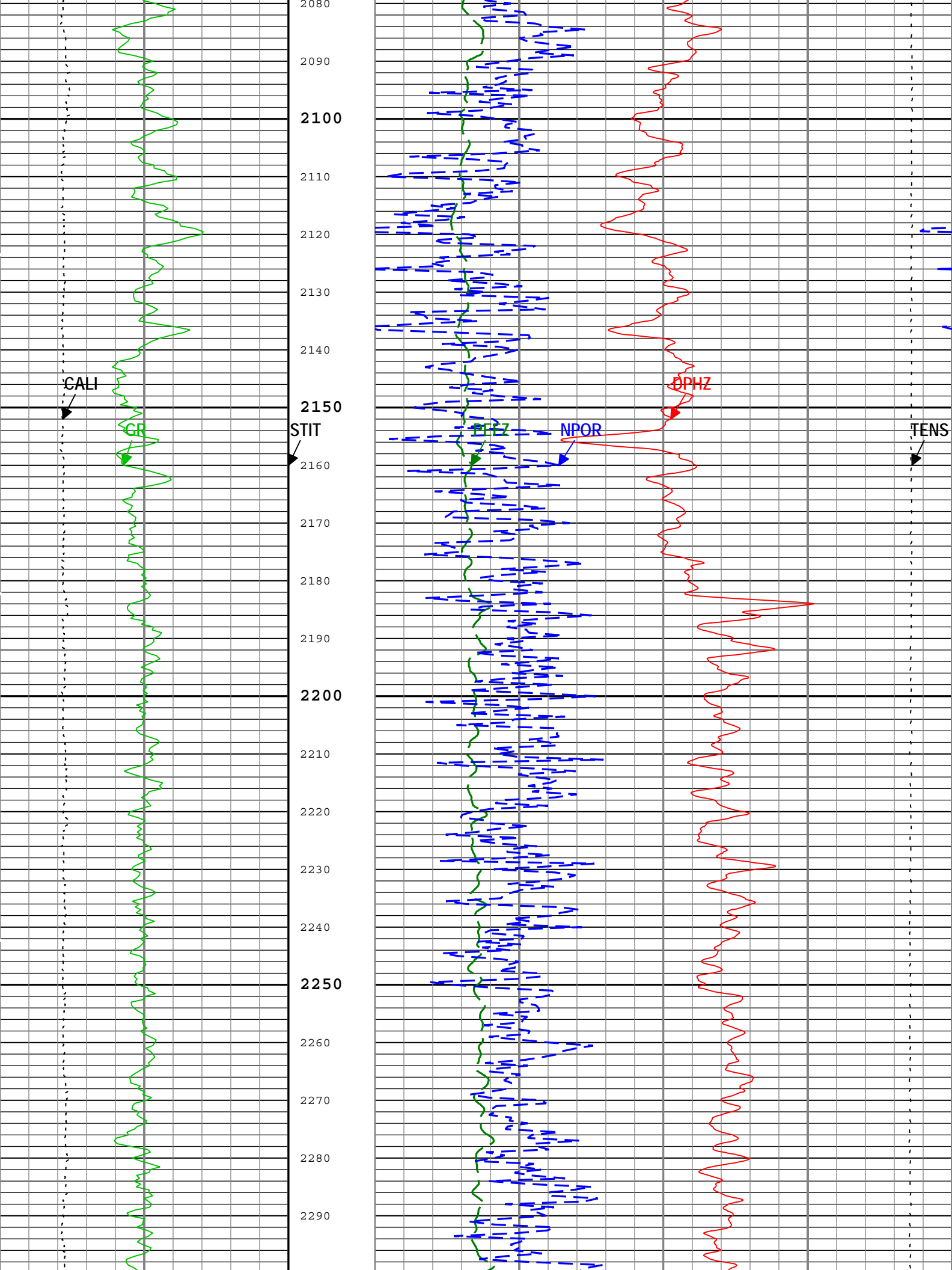


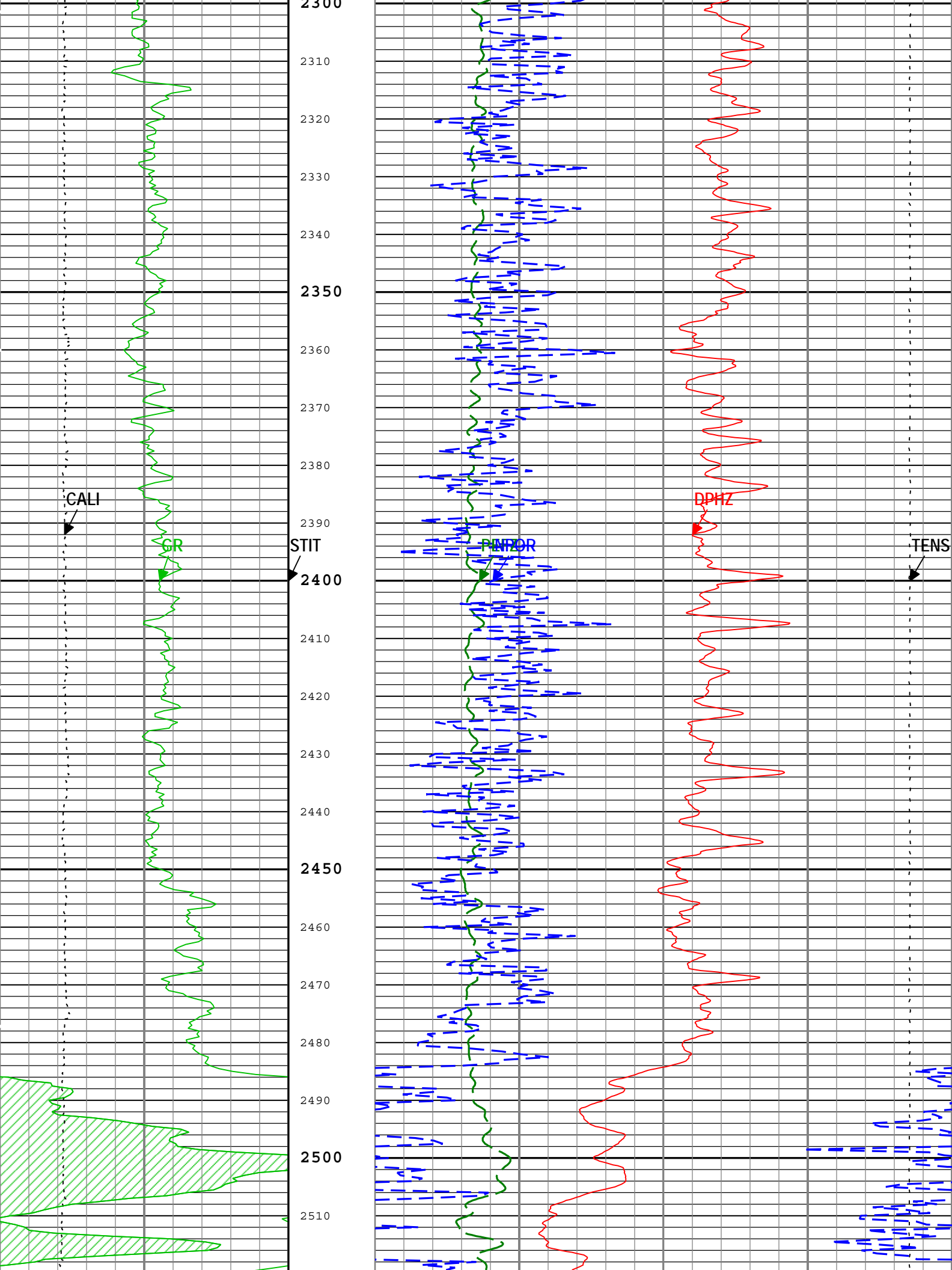


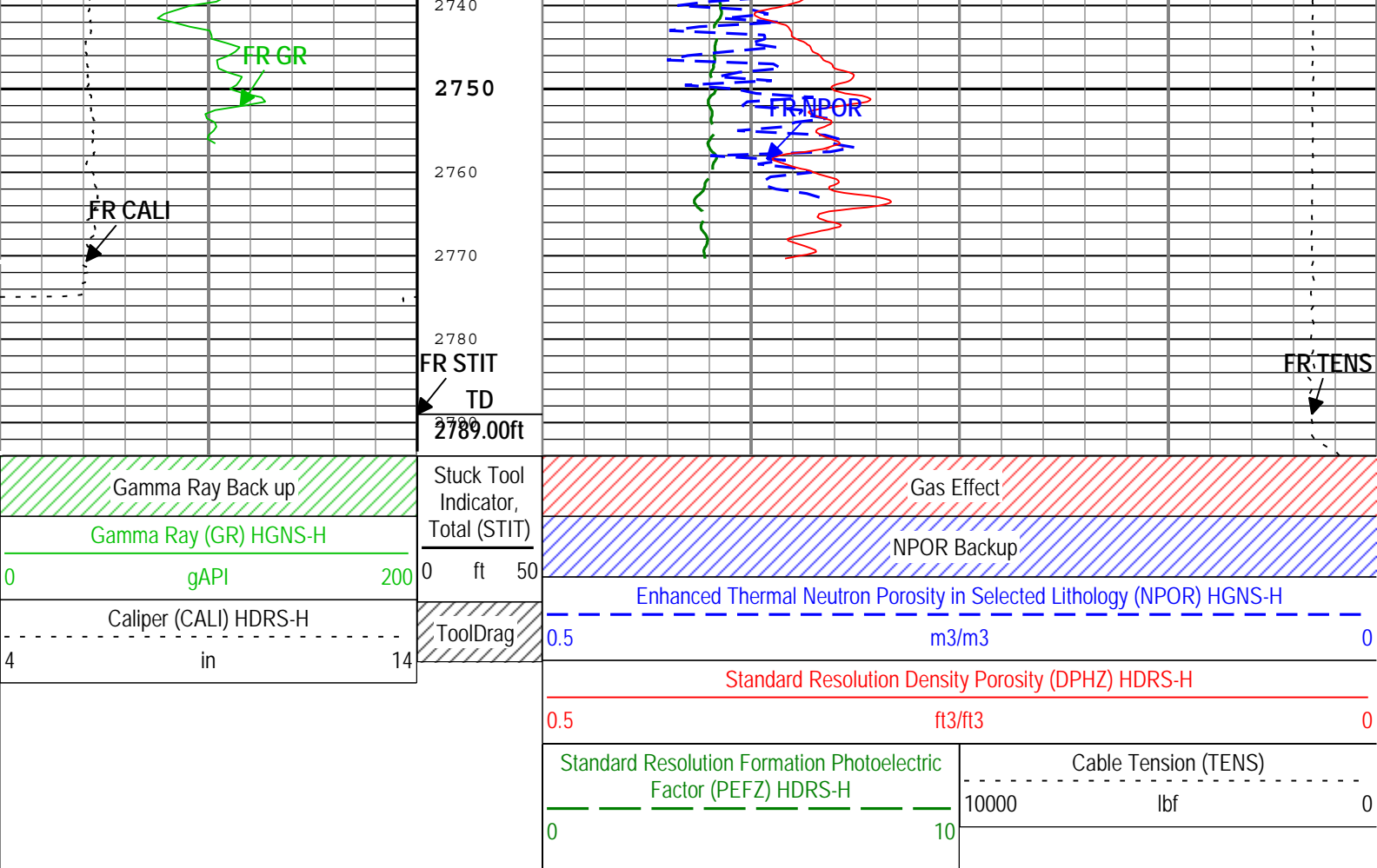












TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Porosity) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:14:52

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BHT	Bottom Hole Temperature	Borehole	212	degF
BS	Bit Size	WLSESSION	Depth Zoned	in
BSAL	Borehole Salinity	Borehole	14800	ppm
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	475.6	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DFT_WATER	Drilling Fluid Water Type	Borehole	Water	
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	75	degF
RMFS	Resistivity of Mud Filtrate Sample	Borehole	0.47	ohm.m
TD	Total Measured Depth	Borehole	2789	ft

Depth Zone Parameters				
Parameter	Value	Start (ft)	Stop (ft)	
BS	9.875	400	478	
BS	6.25	478	2792	

All depth are actual.

Tool Control 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	3600	ft/h

Run 1									

Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[2]:Up	Up	2382.91 ft	2793.62 ft	19-Nov-2014 12:51:13 AM	19-Nov-2014 1:00:47 AM	ON	0.48 ft	No
Run 1	Log[3]:Up	Up	49.15 ft	2793.83 ft	19-Nov-2014 1:04:56 AM	19-Nov-2014 1:54:13 AM	ON	0.48 ft	No

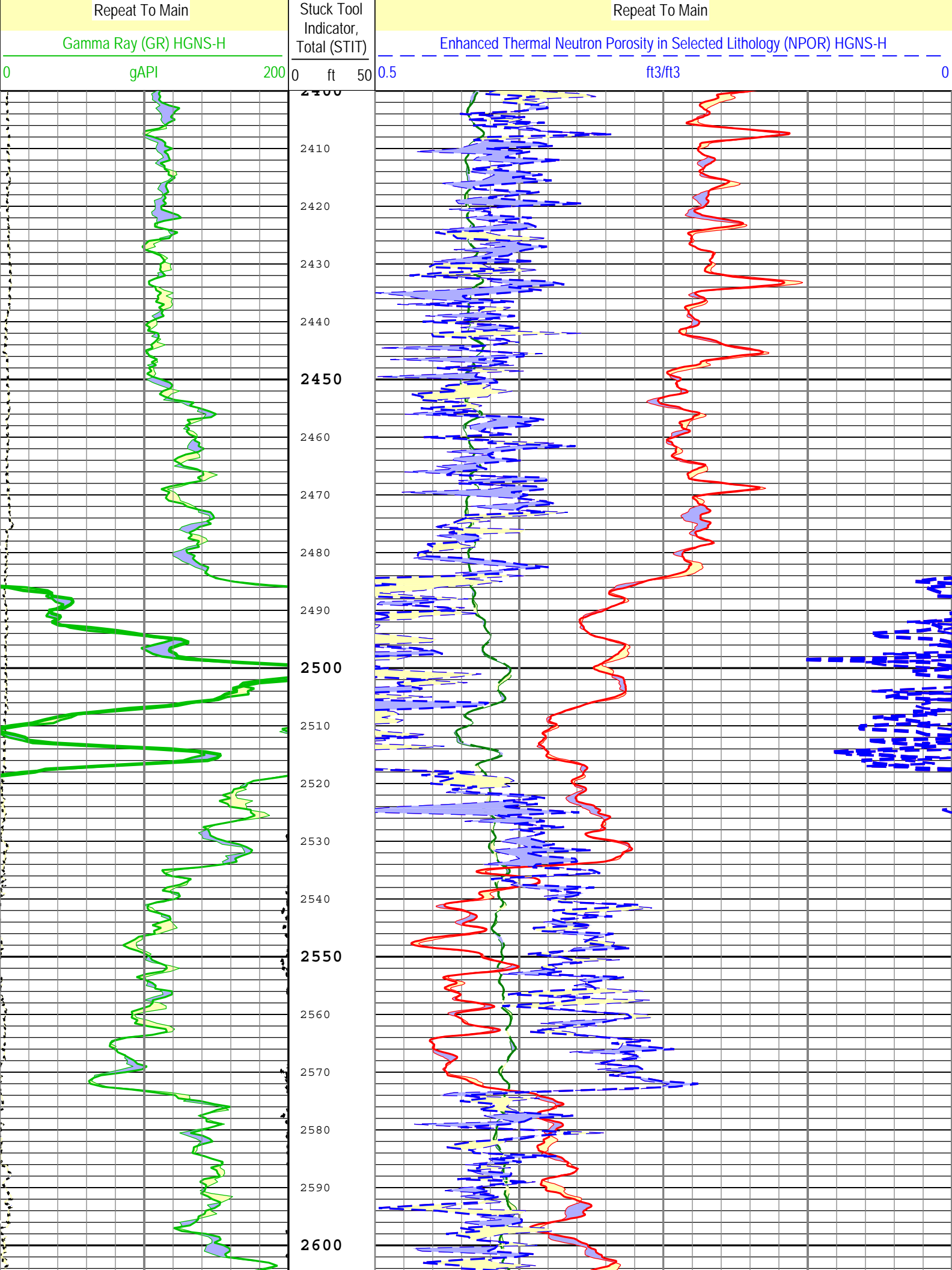
All depths are referenced to toolstring zero

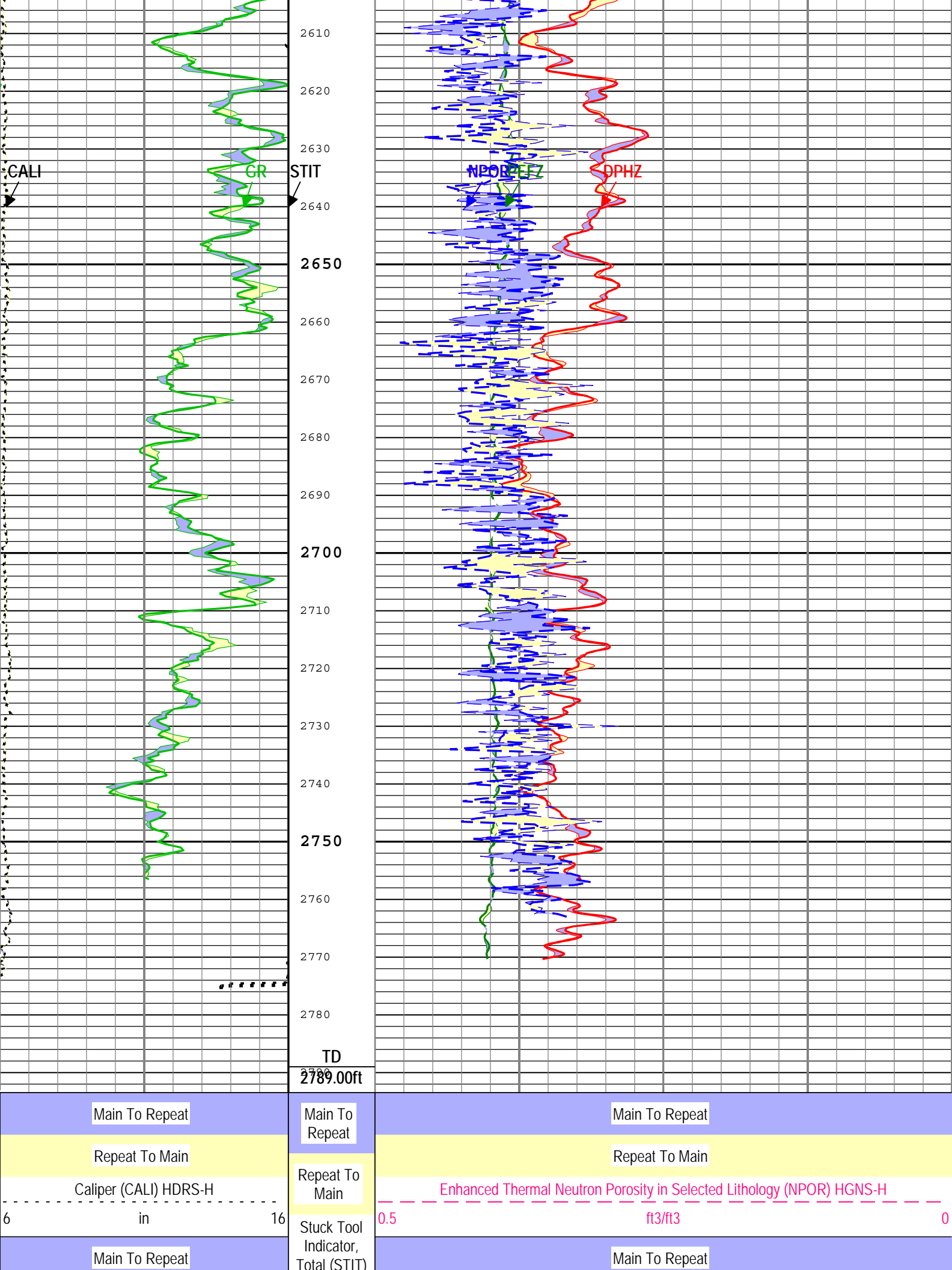
Log	Company:Omimex Petroleum Inc Well:Kennedy State 11 36 7 45 Run 1: Log[2]:Up:S002
-----	--

Description: HGNS standard resolution porosities for Platform Express Format: EMD 5in Porosity RA Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:14:53

TIME_1900 - Time Marked every 60.00 (s)

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--





Repeat To Main	0	ft	50	Repeat To Main
Gamma Ray (GR) HGNS-H				Standard Resolution Density Porosity (DPHZ) HDRS-H
200	gAPI	400	0.5	ft3/ft3
Main To Repeat				Main To Repeat
Repeat To Main				Repeat To Main
Gamma Ray (GR) HGNS-H				Enhanced Thermal Neutron Porosity in Selected Lithology (NPOR) HGNS-H
0	gAPI	200	0.5	ft3/ft3
				Main To Repeat
				Repeat To Main
				Standard Resolution Formation Photoelectric Factor (PEFZ) HDRS-H
				0
				10

TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: EMD 5in Porosity RA Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:14:53

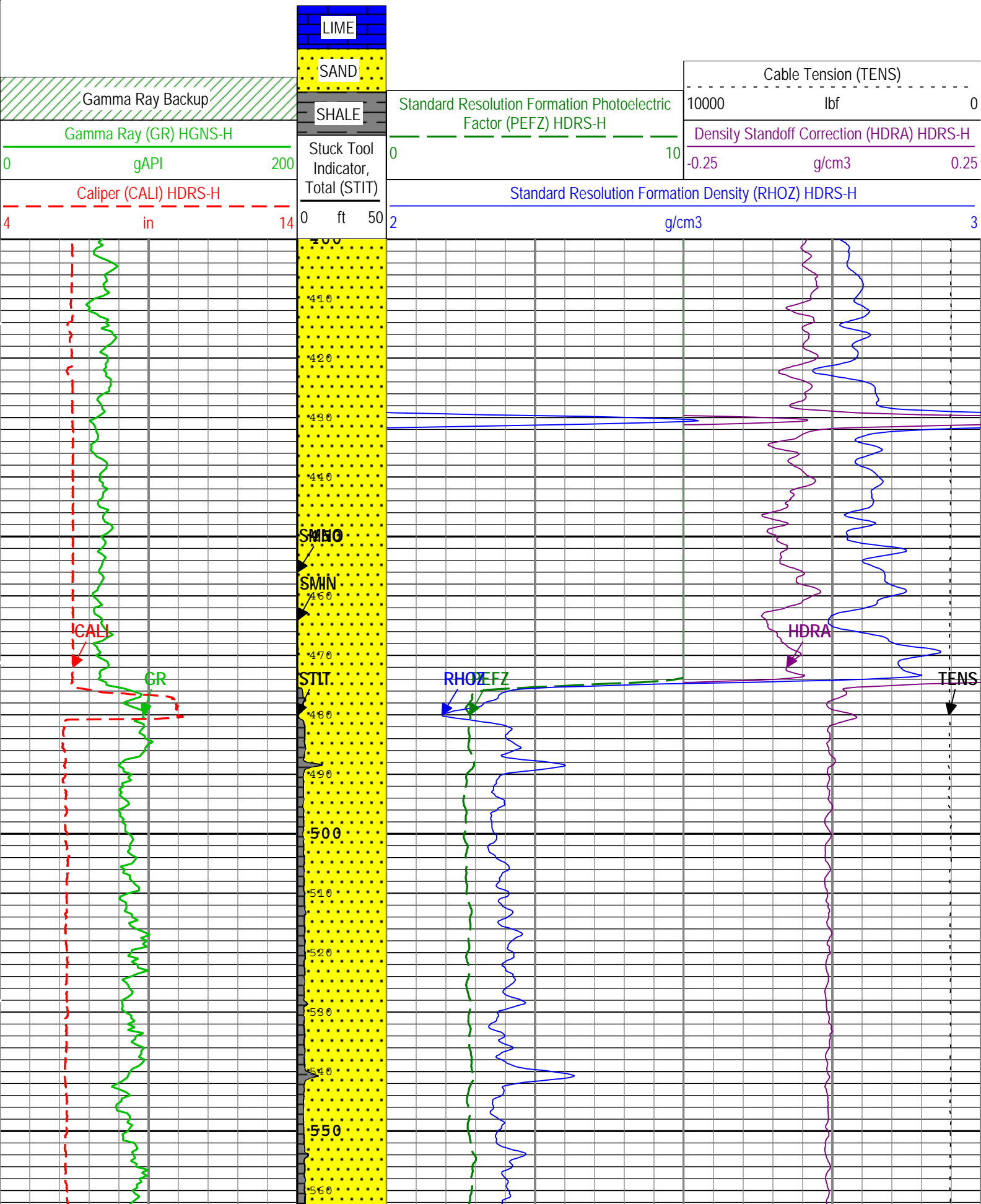
Run 1									
5" Density									
Software Version									
Acquisition System						Version			
MaxWell						4.0.9163.3000			
Application Patch						Patch-SP-10767_26570-4.0.9163.3001			
Computation		Description					Version		
DepthCorrection		DepthCorrection					4.0.9469.3000		
Tool Elements		Description				Software Version		Firmware Version	
HRCC-H		HILT High-Resolution Control Cartridge, 150 degC				4.0.9575.3000		2.0	
HGNS-H		HILT Gamma-Ray and Neutron Sonde, 150 degC				4.0.9575.3000		2.0	
HRGD-H		HILT Resistivity Gamma-Ray Density Device, 150 degC				4.0.9575.3000		3.0	
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	DSC Mode	Depth Shift	Include Parallel Data
Run 1	Log[3]:Up	Up	49.15 ft	2793.83 ft	19-Nov-2014 1:04:56 AM	19-Nov-2014 1:54:13 AM	ON	0.48 ft	No
All depths are referenced to toolstring zero									
Log					Company:Omimex Petroleum Inc		Well:Kennedy State 11 36 7 45		
Run 1: Log[3]:Up:S002									

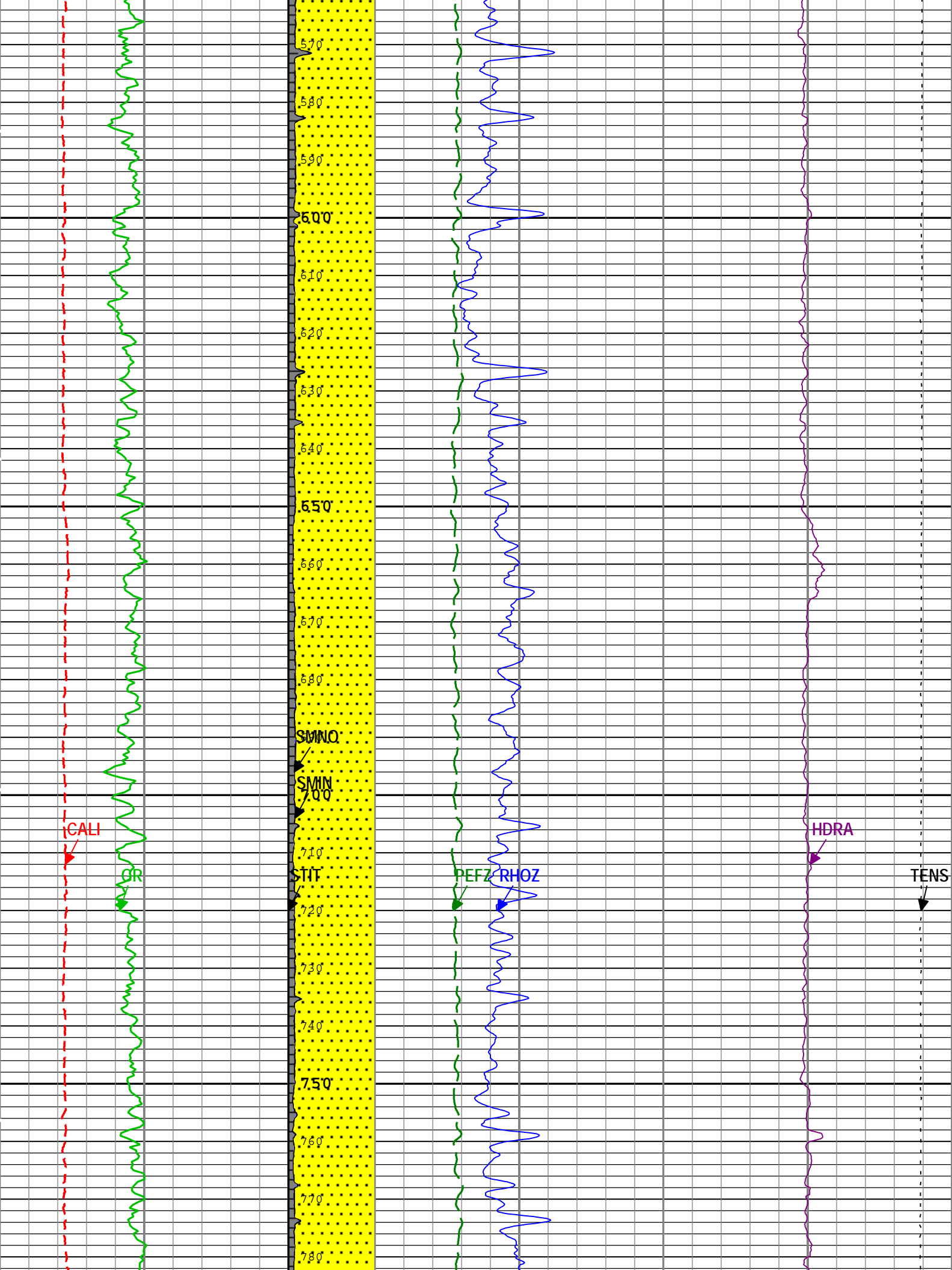
Log	Company:Omimex Petroleum Inc Well:Kennedy State 11 36 7 45
	Run 1: Log[3]:Up:S002

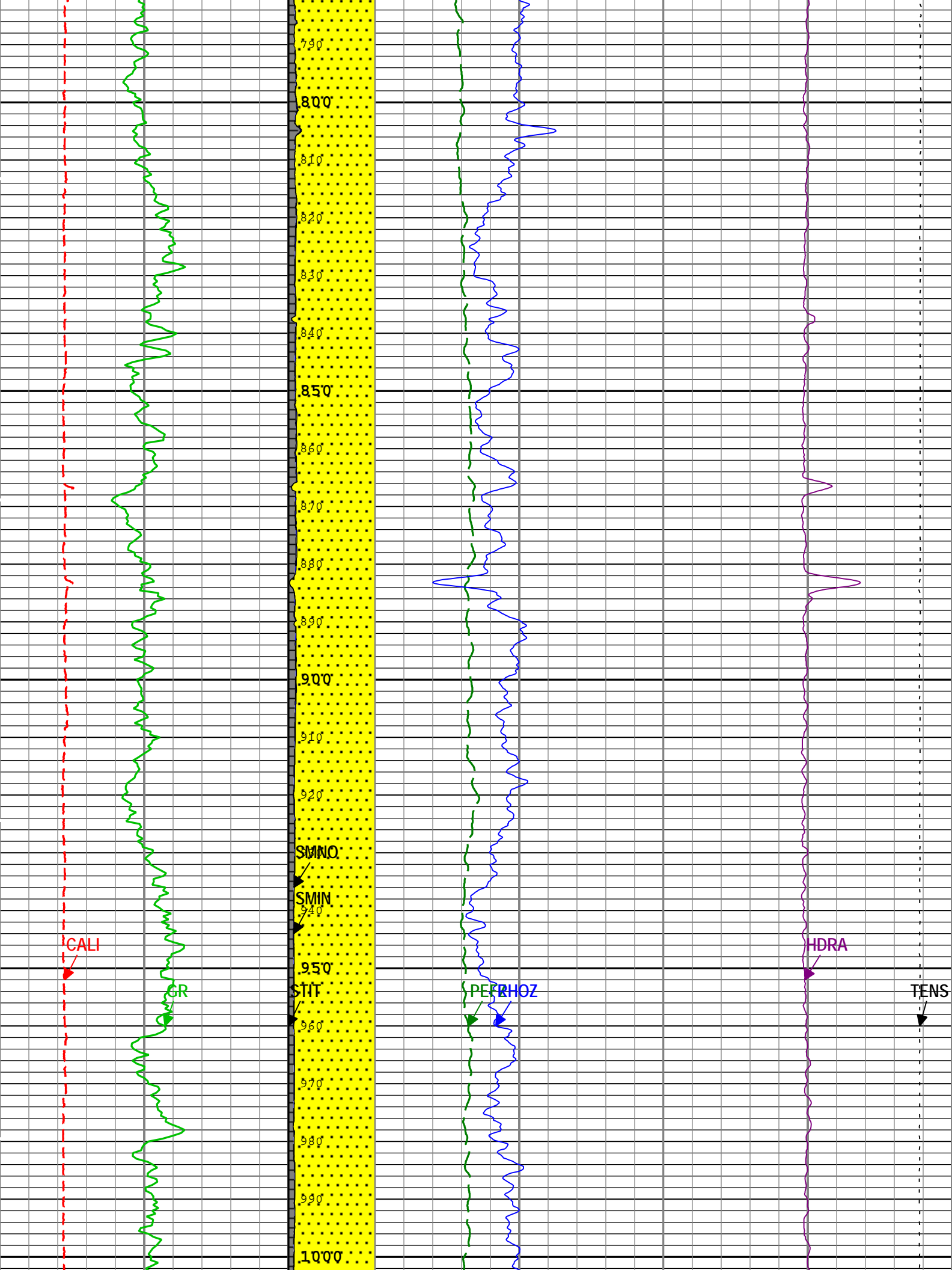
Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Density) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:14:54

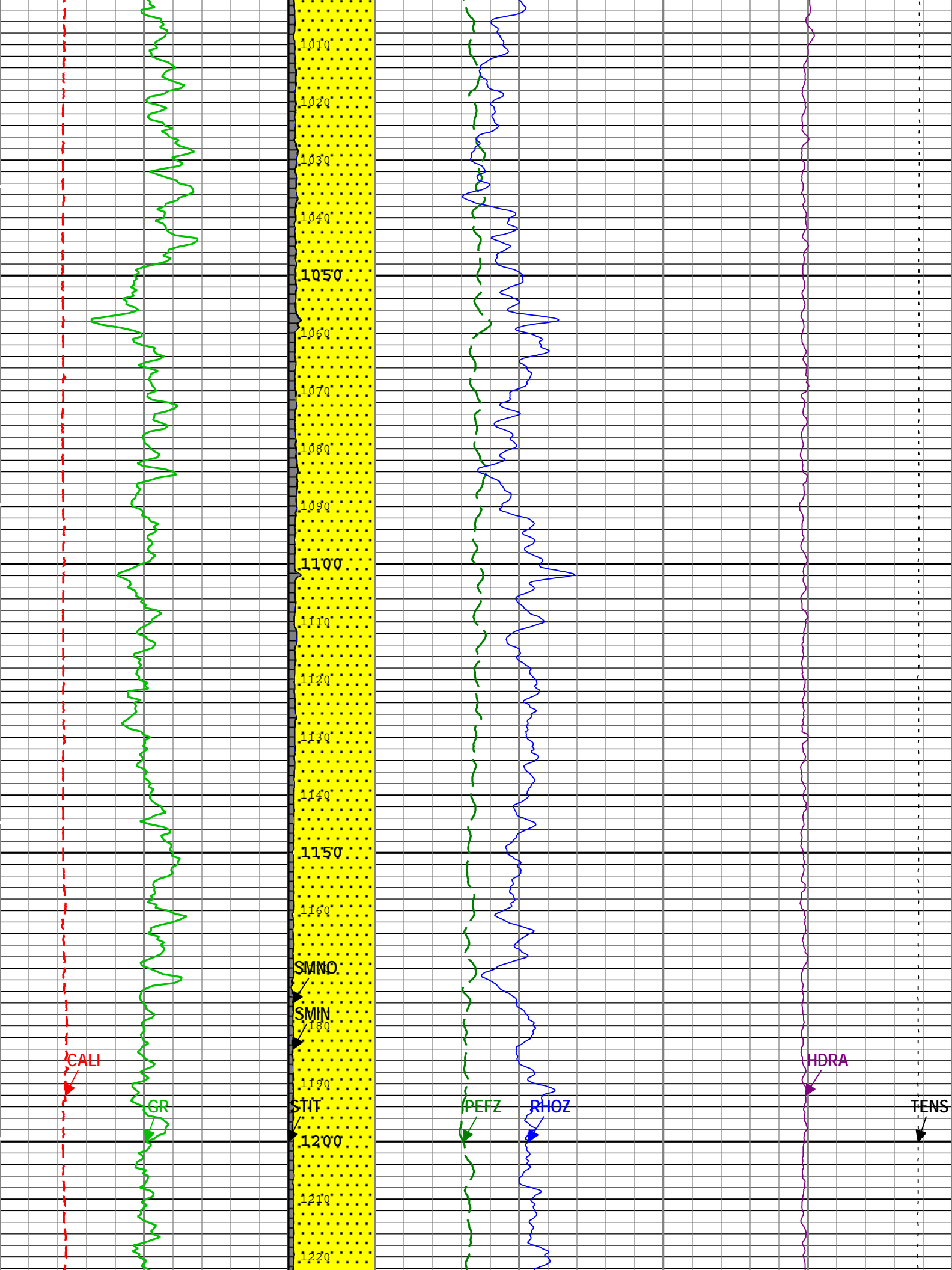
Channel	Source	Sampling
CALI	HDRS-H:HRCC-H:HRCC-H	1in
GR	HGNS-H:HGNS-H:HGNS-H	6in
HDRA	HDRS-H:HRMS-H:HRGD-H	2in
PEFZ	HDRS-H:HRMS-H:HRGD-H	2in
RHOZ	HDRS-H:HRMS-H:HRGD-H	2in
SMIN	HDRS-H:HRMS-H:HRGD-H	2in
SMNO	HDRS-H:HRMS-H:HRGD-H	2in

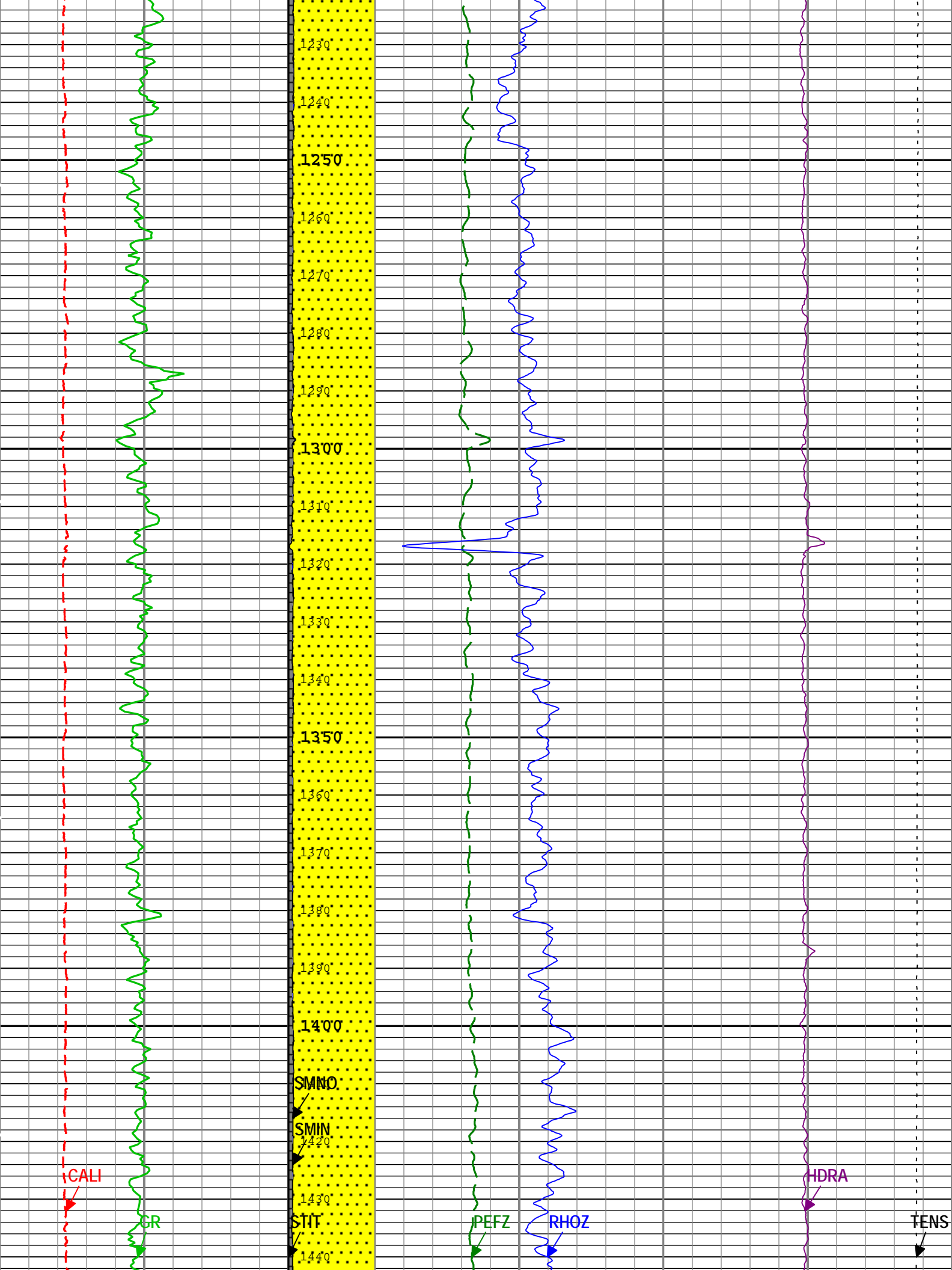
STIT DepthCorrection 6in
TENS WLWorkflow 6in
TIME_1900 WLWorkflow 0.1in
TIME_1900 - Time Marked every 60.00 (s)

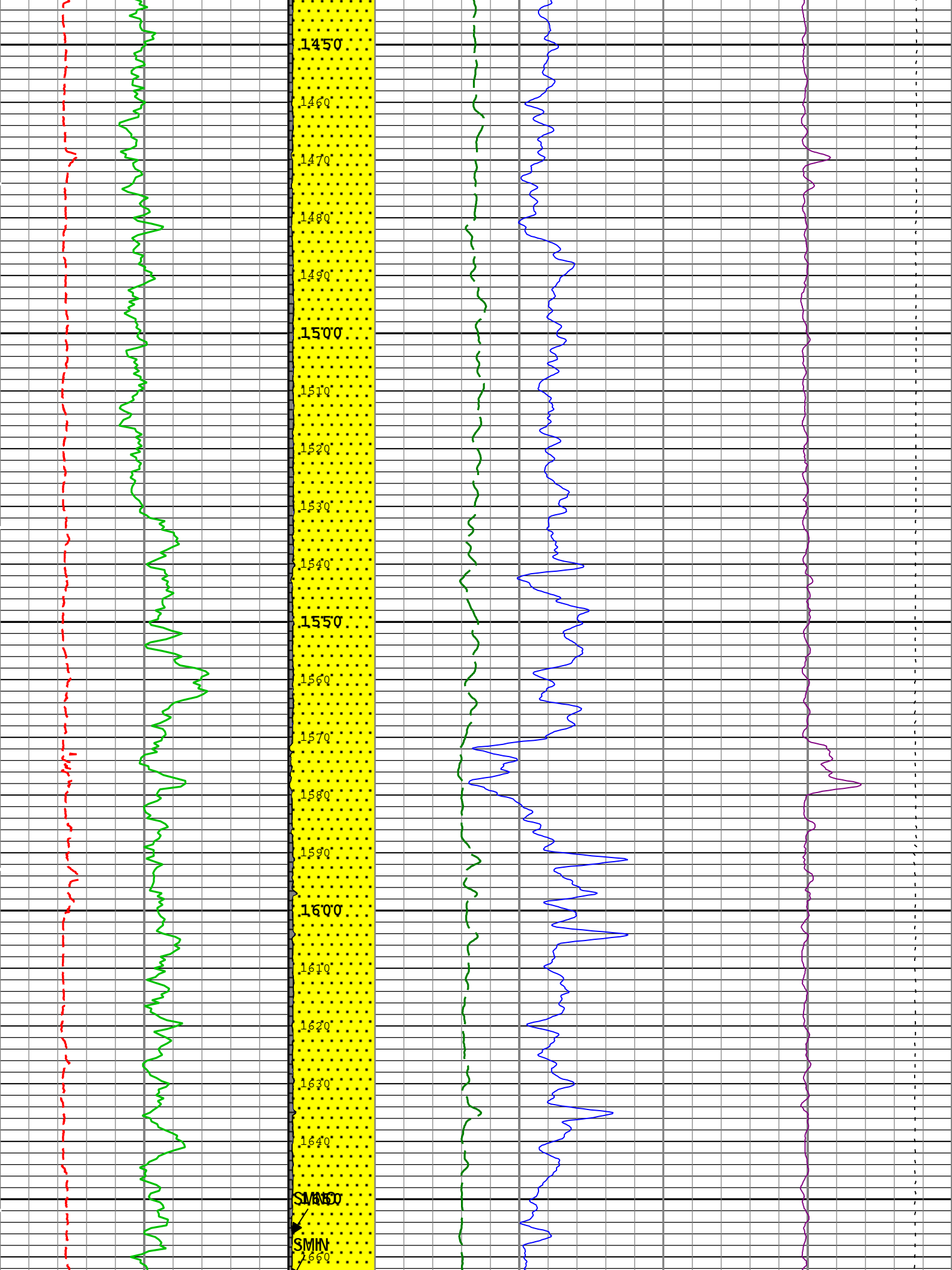


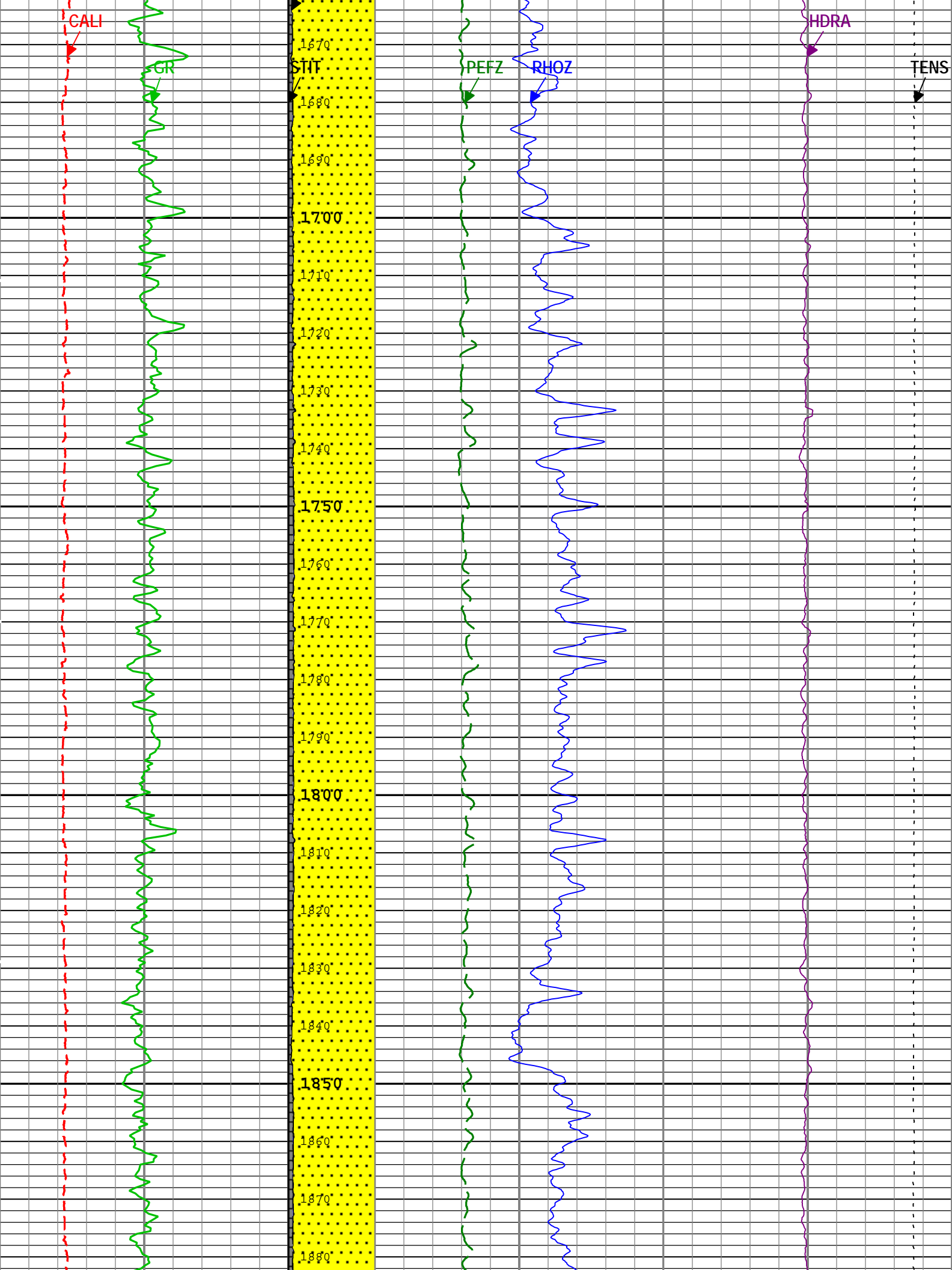


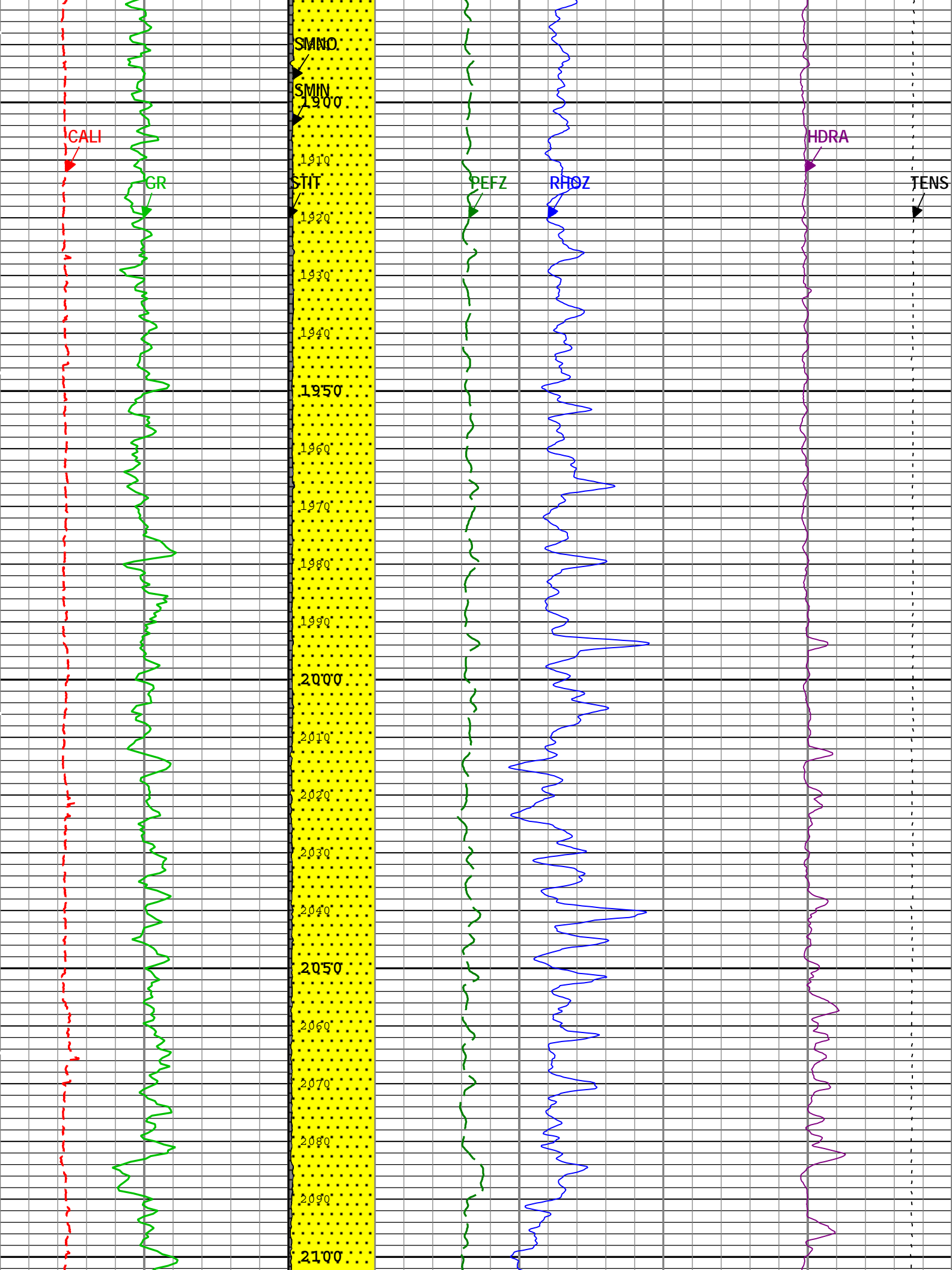


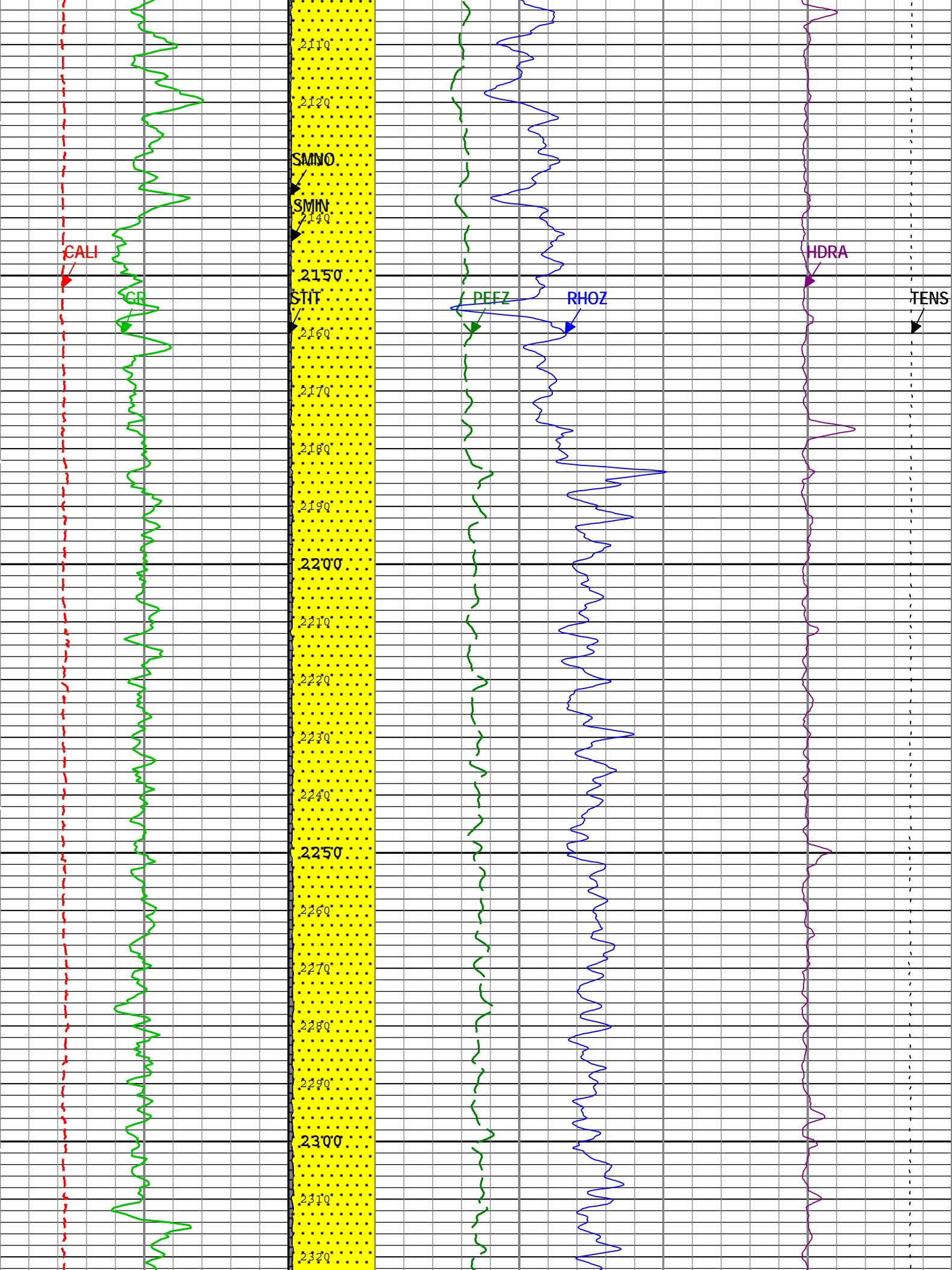


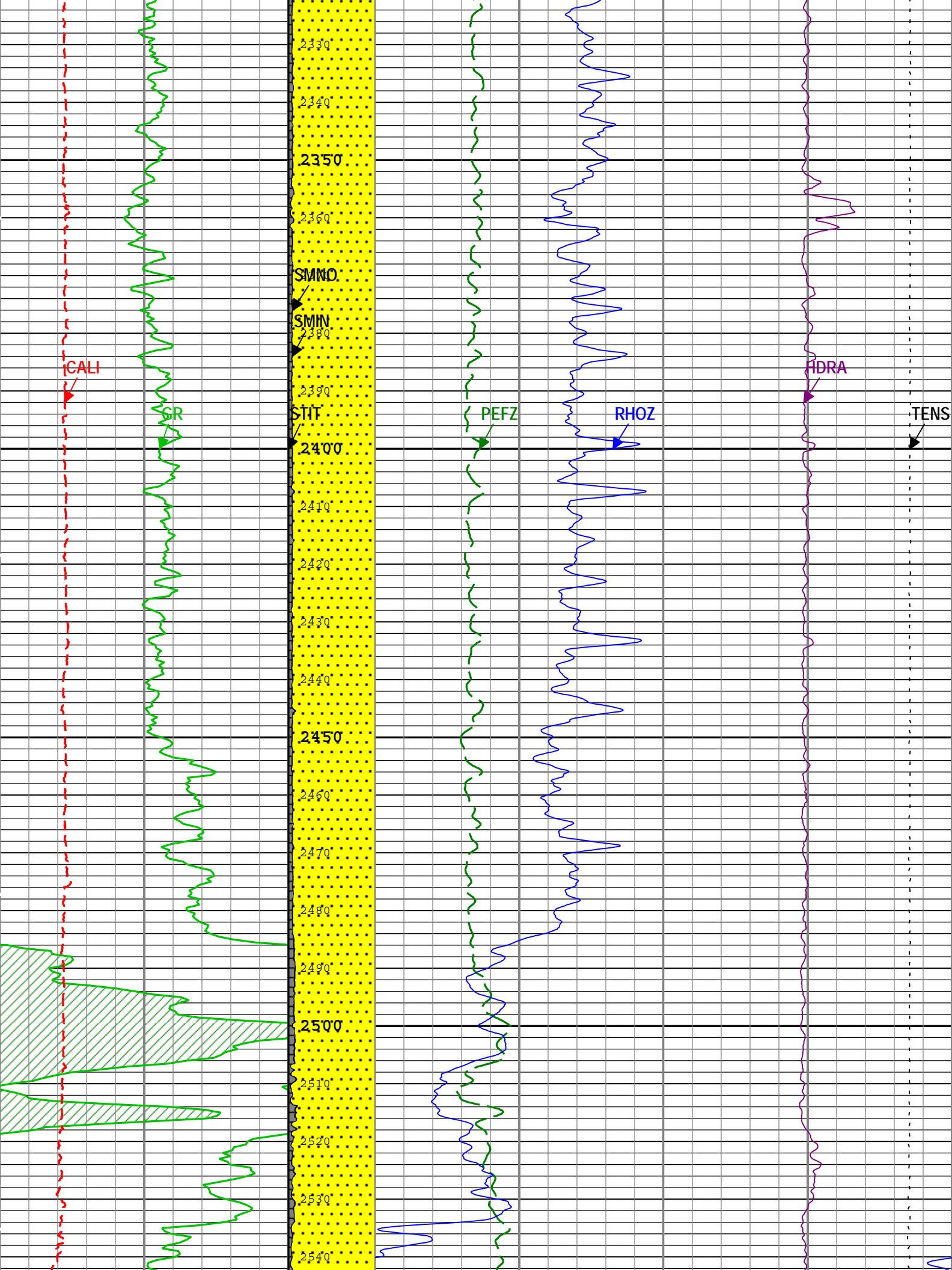


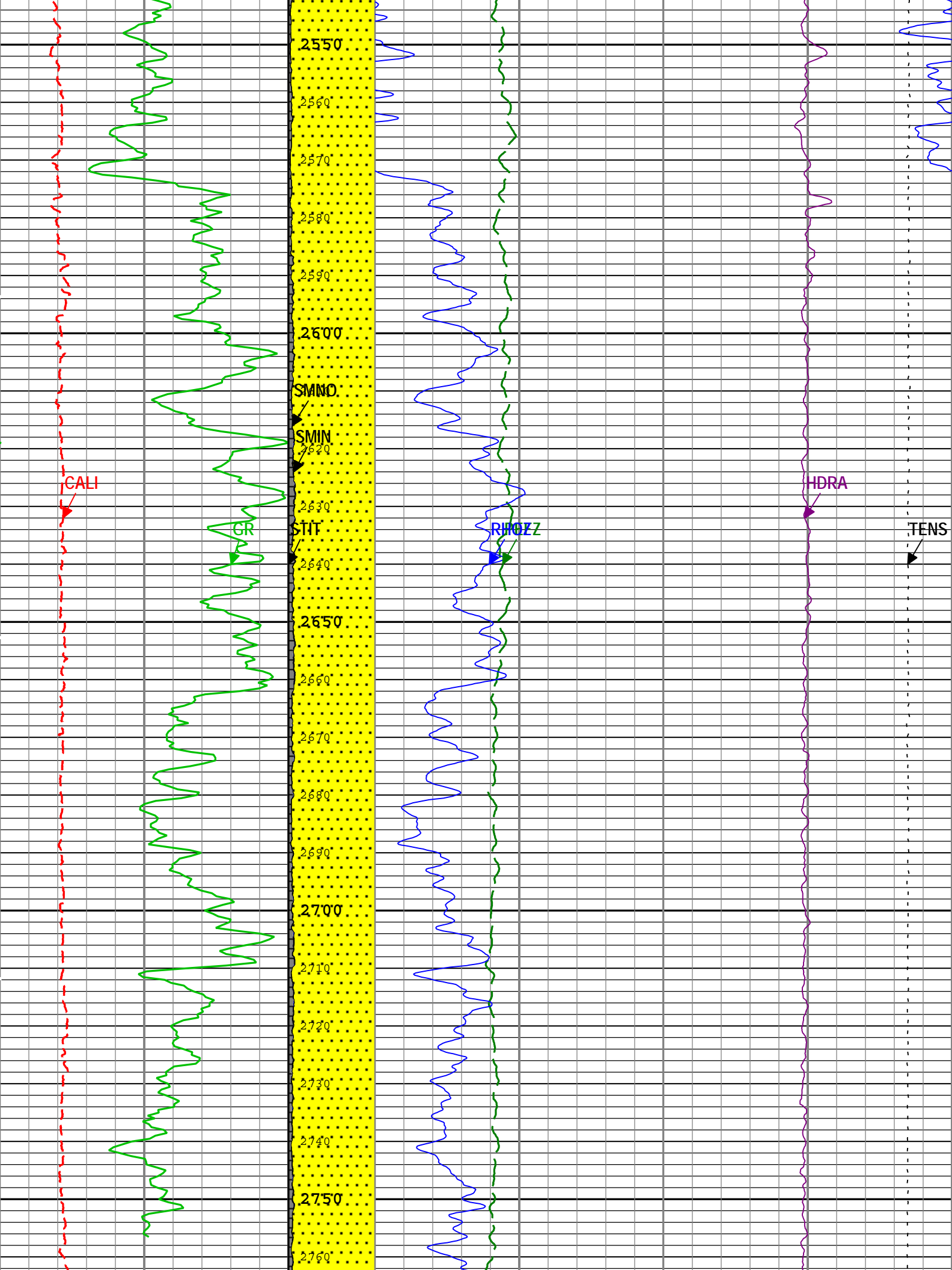


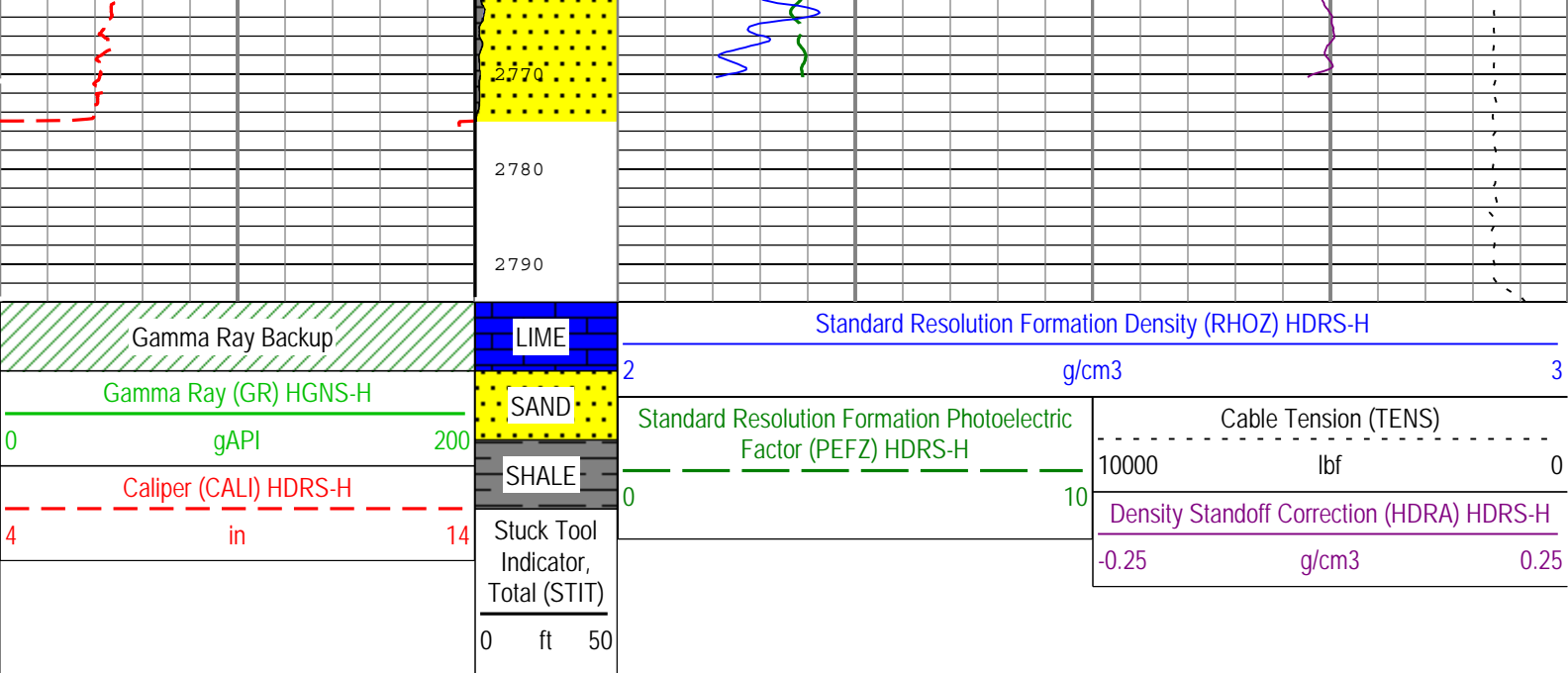












TIME_1900 - Time Marked every 60.00 (s)

Description: HGNS standard resolution porosities for Platform Express Format: Log (EMD 5in Density) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured Depth Creation Date: 19-Nov-2014 02:14:54

Channel Processing Parameters				
Parameter	Description	Tool	Value	Unit
BARI	Barite Mud Presence Flag	Borehole	No	
BHS	Borehole Status (Open or Cased Hole)	Borehole	Open	
BS	Bit Size	WLSESSION	Depth Zoned	in
CALI_SHIFT	CALI Supplementary Offset	HDRS-H	0	in
CBLO	Casing Bottom (Logger)	WLSESSION	475.6	ft
CDEN	Cement Density	HGNS-H	2	g/cm3
DC_MODE	Depth Correction Mode	DepthCorrection	Real-time	
DFD	Drilling Fluid Density	Borehole	9.3	lbm/gal
DFT	Drilling Fluid Type	Borehole	Water	
DHC	Density Hole Correction	HDRS-H	Bit Size	
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	
TD	Total Measured Depth	Borehole	2789	ft

Depth Zone Parameters			
Parameter	Value	Start (ft)	Stop (ft)
BS	9.875	400	478
BS	6.25	478	2792

All depth are actual.

Tool Control Parameters				
Parameter	Description	Tool	Value	Unit
HRGD_BRD_TYPE	HRGD Board Type	HDRS-H	WITH_HET	
MAX_LOG_SPEED	Toolstring Maximum Logging Speed	WLSESSION	3600	ft/h

Calibration Report

AIT-M (Array Induction Tool - M) Calibration - Run 1

Primary Equipment : File code for AIT-MA Sonde Tool Element AMIS 50

AIT Sonde Calibration - Test Loop Gain

Master (EEPROM): 12:18:07 04-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Test Loop Gain - 0		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 0	deg	Master	0	-3.000	0.539	3.000	
Test Loop Gain - 1		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 1	deg	Master	0	-3.000	0.663	3.000	
Test Loop Gain - 2		Master	1.000	0.950	1.022	1.050	
Test Loop Phase - 2	deg	Master	0	-3.000	0.148	3.000	
Test Loop Gain - 3		Master	1.000	0.950	1.014	1.050	
Test Loop Phase - 3	deg	Master	0	-3.000	0.172	3.000	
Test Loop Gain - 4		Master	1.000	0.950	0.996	1.050	
Test Loop Phase - 4	deg	Master	0	-3.000	0.160	3.000	
Test Loop Gain - 5		Master	1.000	0.950	0.987	1.050	
Test Loop Phase - 5	deg	Master	0	-3.000	-0.133	3.000	
Test Loop Gain - 6		Master	1.000	0.950	0.998	1.050	
Test Loop Phase - 6	deg	Master	0	-3.000	0.192	3.000	
Test Loop Gain - 7		Master	1.000	0.950	1.007	1.050	
Test Loop Phase - 7	deg	Master	0	-3.000	-0.097	3.000	

AIT Sonde Calibration - Sonde Error Correction

Master (EEPROM): 12:18:07 04-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Sonde Error Correction Real - 0	mS/m	Master	-----	-231.000	-109.513	119.000	
Sonde Error Correction Quad - 0		Master	-----	-2250.000	-462.503	2250.000	
Sonde Error Correction Real - 1	mS/m	Master	-----	114.000	159.810	204.000	
Sonde Error Correction Quad - 1		Master	-----	-625.000	-127.134	625.000	
Sonde Error Correction Real - 2	mS/m	Master	-----	66.000	114.073	156.000	
Sonde Error Correction Quad - 2		Master	-----	-350.000	102.792	350.000	
Sonde Error Correction Real - 3	mS/m	Master	-----	39.000	68.619	89.000	
Sonde Error Correction Quad - 3		Master	-----	-250.000	-156.455	250.000	
Sonde Error Correction Real - 4	mS/m	Master	-----	15.000	24.694	35.000	
Sonde Error Correction Quad - 4		Master	-----	-63.000	3.677	63.000	
Sonde Error Correction Real - 5	mS/m	Master	-----	4.000	15.085	24.000	
Sonde Error Correction Quad - 5		Master	-----	-50.000	-26.597	50.000	
Sonde Error Correction Real - 6	mS/m	Master	-----	5.000	10.310	15.000	
Sonde Error Correction Quad - 6		Master	-----	-30.000	-5.646	30.000	
Sonde Error Correction Real - 7	mS/m	Master	-----	-5.000	-1.623	5.000	
Sonde Error Correction Quad - 7		Master	-----	-30.000	-4.661	30.000	

AIT Mud Calibration - Mud Calibration Gain

Master (EEPROM): 12:18:07 04-Sep-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Coarse Gain		Master	1.000	0.800	0.831	1.200	
Fine Gain		Master	1.000	0.800	0.833	1.200	
















AIT Electronics Check - Thru Calibration Check

Master (EEPROM): 12:18:07 04-Sep-2014

Before (Measured):

13:29:13 18-Nov-2014

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Thru Cal Mag - 0	V	Master	-----	0.366	0.603	0.854	
		Before	-----	0.366	0.603	0.854	
		Before-Master	-----	-----	0.000	-----	
Thru Cal Phase - 0	deg	Master	-----	137.000	-165.073	-103.000	
		Before	-----	137.000	-164.117	-103.000	
		Before-Master	-----	-----	0.956	-----	
Thru Cal Mag - 1	V	Master	-----	0.762	1.237	1.778	
		Before	-----	0.762	1.236	1.778	
		Before-Master	-----	-----	-0.001	-----	
Thru Cal Phase - 1	deg	Master	-----	136.000	-166.020	-104.000	
		Before	-----	136.000	-165.062	-104.000	
		Before-Master	-----	-----	0.958	-----	
Thru Cal Mag - 2	V	Master	-----	0.372	0.613	0.868	
		Before	-----	0.372	0.613	0.868	
		Before-Master	-----	-----	0.000	-----	

Thru Cal Phase - 2	deg	Master Before Before-Master	----- ----- -----	132.000 132.000 -----	-169.506 -168.553 0.953	-108.000 -108.000 -----	
Thru Cal Mag - 3	V	Master Before Before-Master	----- ----- -----	0.420 0.420 -----	0.691 0.691 0.000	0.980 0.980 -----	
Thru Cal Phase - 3	deg	Master Before Before-Master	----- ----- -----	131.000 131.000 -----	-170.241 -169.288 0.953	-109.000 -109.000 -----	
Thru Cal Mag - 4	V	Master Before Before-Master	----- ----- -----	0.804 0.804 -----	1.297 1.296 -0.001	1.876 1.876 -----	
Thru Cal Phase - 4	deg	Master Before Before-Master	----- ----- -----	125.000 125.000 -----	-176.203 -175.244 0.959	-115.000 -115.000 -----	
Thru Cal Mag - 5	V	Master Before Before-Master	----- ----- -----	1.176 1.176 -----	1.887 1.886 -0.001	2.744 2.744 -----	
Thru Cal Phase - 5	deg	Master Before Before-Master	----- ----- -----	122.000 122.000 -----	-177.732 -176.767 0.965	-118.000 -118.000 -----	
Thru Cal Mag - 6	V	Master Before Before-Master	----- ----- -----	1.176 1.176 -----	1.886 1.885 -0.001	2.744 2.744 -----	
Thru Cal Phase - 6	deg	Master Before Before-Master	----- ----- -----	121.000 121.000 -----	-177.711 -176.745 0.966	-119.000 -119.000 -----	
Thru Cal Mag - 7	V	Master Before Before-Master	----- ----- -----	0.846 0.846 -----	1.357 1.357 0.000	1.974 1.974 -----	
Thru Cal Phase - 7	deg	Master Before Before-Master	----- ----- -----	115.000 115.000 -----	-178.471 -177.485 0.986	-125.000 -125.000 -----	
SPA Zero	mV	Master Before Before-Master	 -----	-50.000 -50.000 -----	0.156 0.132 -0.024	50.000 50.000 -----	
SPA Plus	mV	Master Before Before-Master	 -----	941.000 941.000 -----	987.998 987.881 -0.117	1040.000 1040.000 -----	
Temperature Zero	V	Master Before Before-Master	 -----	-0.050 -0.050 -----	0.000 0.000 0.000	0.050 0.050 -----	
Temperature Plus	V	Master Before Before-Master	 -----	0.870 0.870 -----	0.915 0.915 0.000	0.960 0.960 -----	

HDRS-H (HILT Density and Rxo Sonde, 150 degC) Calibration - Run 1

Primary Equipment :

HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	3828
HILT Resistivity Gamma-Ray Density Device, 150 degC	HRGD-H	3933

Auxiliary Equipment :

HRDD Backscatter Detector	Backscatter	
HRDD Long Spacing Detector	Long Spacing	28736
HRDD Short Spacing Detector	Short Spacing	
Cesium 137 Gamma-Ray Logging Source	GSR-J	5094
HILT High-Resolution Control Cartridge, 150 degC	HRCC-H	3828
HILT High-Resolution Mechanical Sonde, 150 degC	HRMS-H	

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):		13:36:07 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Small Ring	in	Before	8.00	6.00	7.61	10.00	
Large Ring	in	Before	12.00	9.00	11.81	15.00	
HDRS Density Calibration - Inversion Results							
Master (EEPROM):		15:21:00 21-Oct-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Rho Aluminum	g/cm3	Master	2.596	2.586	2.594	2.606	
Rho Magnesium	g/cm3	Master	1.686	1.676	1.689	1.696	
Pe Aluminum		Master	2.570	2.470	2.582	2.670	
Pe Magnesium		Master	2.650	2.550	2.589	2.750	
HDRS Density Calibration - Deviation Summary							
Master (EEPROM):		15:21:00 21-Oct-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Average Deviation	%	Master	0	-0.6000	0.3325	0.6000	
BS Max Deviation	%	Master	0	-1.6000	0.9257	1.6000	
SS Average Deviation	%	Master	0	-1.0000	0.3008	1.0000	
SS Max Deviation	%	Master	0	-2.5000	0.9629	2.5000	
LS Average Deviation	%	Master	0	-1.5000	0.9542	1.5000	
LS Max Deviation	%	Master	0	-3.5000	2.5936	3.5000	
HDRS Density Calibration - Background Summary							
Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Window Ratio		Master	1.0000		0.7486		
		Before	0.7486	0.7111	0.7511	0.7860	
		Before-Master	----	----	0.0025	----	
BS Window Sum	1/s	Master	1		23350		
		Before	23350	22183	23329	24518	
		Before-Master	-----	-----	-21	-----	
SS Window Ratio		Master	1.0000		0.4883		
		Before	0.4883	0.4639	0.4881	0.5127	
		Before-Master	----	----	-0.0002	----	
SS Window Sum	1/s	Master	1		10931		
		Before	10931	10384	10905	11477	
		Before-Master	-----	-----	-26	-----	
LS Window Ratio		Master	1.0000		0.3000		
		Before	0.3000	0.2850	0.3019	0.3150	
		Before-Master	-----	-----	0.0019	-----	
LS Window Sum	1/s	Master	1		1194		
		Before	1194	1134	1190	1253	
		Before-Master	-----	-----	-4	-----	
HDRS Density Calibration - Photo-multiplier High Voltages							
Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS PM High Voltage	V	Master		1000	1613	2400	
		Before		1000	1612	2400	
		Before-Master	----	-100	-1	100	
SS PM High Voltage	V	Master		1000	1489	2400	
		Before		1000	1512	2400	
		Before-Master	-----	-100	23	100	
LS PM High Voltage	V	Master		1000	1276	2400	
		Before		1000	1290	2400	
		Before-Master	----	-100	14	100	
HDRS Density Calibration - Crystal Quality Resolutions							
Master (EEPROM):		15:21:00 21-Oct-2014		Before (Measured):		13:33:10 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
BS Crystal Resolution	%	Master		5.00	10.77	25.00	
		Before		5.00	10.77	25.00	
		Before-Master	----	-1.00	0.00	1.00	
SS Crystal Resolution	%	Master		5.00	9.68	20.00	
		Before		5.00	10.01	20.00	
		Before-Master	-----	-1.00	0.33	1.00	
LS Crystal Resolution	%	Master		5.00	8.06	20.00	
		Before		5.00	8.06	20.00	
		Before-Master	-----	-1.00	0.00	1.00	

		Before		5.00	8.09	20.00	
		Before-Master	----	-1.00	0.03	1.00	

HDRS MCFL Calibration - MCFL Accumulations

Before (Measured):		13:34:56 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Main Resistivity	ohm.m	Before	3875	3565	3874	4185	
Deep Resistivity	ohm.m	Before	3830	3524	3813	4136	
Shallow Resistivity	ohm.m	Before	3830	3524	3820	4136	

HGNS-H (HILT Gamma-Ray and Neutron Sonde, 150 degC) Calibration - Run 1

Primary Equipment :			
HILT Gamma-Ray and Neutron Sonde, 150 degC		HGNS-H	
Auxiliary Equipment :			
HGNS Accelerometer, 150 degC		HACCZ-H	3616
AmBe Neutron Logging Source		NSR-F	5068
Calibration Parameter :			
Water Temperature			
Housing Size			
JIG-BKG (Jig minus background reference)		165	

HGNS Accelerometer Calibration - Accelerometer Accumulations

Before:							
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
AZ Vertical Measurement - 0	ft/s2	Before	----	----	----	----	

HGNS Accelerometer EEPROM - Accelerometer EEPROM Read

Master (Manual Entry):		00:00:00 15-Feb-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	----	----	-2323.000	----	
Accelerometer Coefficients - 1		Master	----	----	2.895	----	
Accelerometer Coefficients - 2		Master	----	----	0.001	----	
Accelerometer Coefficients - 3		Master	----	----	0.000	----	
Accelerometer Coefficients - 4		Master	----	----	2.764	----	
Accelerometer Coefficients - 5		Master	----	----	0.000	----	
Accelerometer Coefficients - 6		Master	----	----	0.000	----	
Accelerometer Coefficients - 7		Master	----	----	0.000	----	
Accelerometer Coefficients - 8		Master	----	----	298.500	----	
Accelerometer Coefficients - 9		Master	----	----	1.009	----	

HGNS Neutron Calibration - HGNS Neutron Accumulations

Master (Manual Entry):		11:12:08 15-Sep-2014		Before (Measured):		13:29:08 18-Nov-2014	
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Near Zero Measurement - 0	1/s	Master	----	----	----	----	
		Before	0	5.0	28.1	40.0	
		Before-Master	----	----	----	----	
Far Zero Measurement - 0	1/s	Master	----	----	----	----	
		Before	0	5.0	27.3	40.0	
		Before-Master	----	----	----	----	
Near Plus Measurement - 0	1/s	Master	----	----	----	----	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Far Plus Measurement - 0	1/s	Master	----	----	----	----	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Near Corrected Plus Measurement	1/s	Master		4700.0	5351.0	6900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	
Far Corrected Plus Measurement	1/s	Master		1900.0	2289.0	2900.0	
		Before	----	----	----	----	
		Before-Master	----	----	----	----	

HGNS Gamma-Ray Calibration - Gamma-Ray Accumulations							
Before (Measured):		13:41:46 18-Nov-2014					
Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
RGR Zero Measurement	gAPI	Before	30.0	0	81.0	120.0	
RGR Plus Measurement	gAPI	Before	185.4	157.1	177.2	206.3	
GR Calibration Gain		Before	0.89	0.80	0.93	1.05	

Company:	Omimex Petroleum Inc	Schlumberger
Well:	Kennedy State 11 36 7 45	
Field:	Holyoke South	
County:	Phillip	
Country:	USA	
Platform Express		
Compensated Neutron Log		
LithoDensity		