

Company: Lamont Doherty

Well: ODP Leg 202, Site 1239A

Field: Carnegie Ridge

Country: Ecuador

Ocean: Pacific Ocean

HLDS/APS Porosity Log

Country: Ecuador
Field: Carnegie Ridge
Location: Rig- Joides Resolution
Well: ODP Leg 202, Site 1239A
Company: Lamont Doherty

LOCATION		Elev.:	K.B.	11.3 m
Rig- Joides Resolution		G.L.		-1426.1 m
Permanent Datum:		GROUND LEVEL		
Log Measured From: <u>DES</u>		Elev.:		0 m
Drilling Measured From: <u>DES</u>		above Perm. Datum		
API Serial No.	Max. Hole Devi.	Longitude	Latitude	
		82 04.8512 W	.40.395 S	

Logging Date				
Run Number	1			
Depth Driller	1941.5 m			
Schlumberger Depth	1941 m			
Bottom Log Interval	1939 m			
Top Log Interval	1418.7 m			
Casing Driller Size @ Depth	0.000 in @ 1506.1 m			
Casing Schlumberger	1505 m			
Bit Size	11.437 in			
Type Fluid In Hole	Sepiolite			
Density	Viscosity	1.066 g/cm3		
Fluid Loss	PH			
Source Of Sample				
RM @ Measured Temperature	@	23 degC	@	@
RMF @ Measured Temperature	@		@	@
RMC @ Measured Temperature	@		@	@
Source RMF	RMC		@	@
RM @ MRT	RMF @ MRT	@	@	@
Maximum Recorded Temperatures				
Circulation Stopped	Time	5/12/02	1400	
Logger On Bottom	Time	5/12/02	See Log	
Unit Number	Location	99	Houston	
Recorded By		Steve Kittredge		
Witnessed By		Ule Ninmemann		

	Run 1	Run 2	Run
Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth	@		
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample			
RM @ Measured Temperature	@	@	@
RMF @ Measured Temperature	@	@	@
RMC @ Measured Temperature	@	@	@
Source RMF	RMC		@
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

DISCLAIMER



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

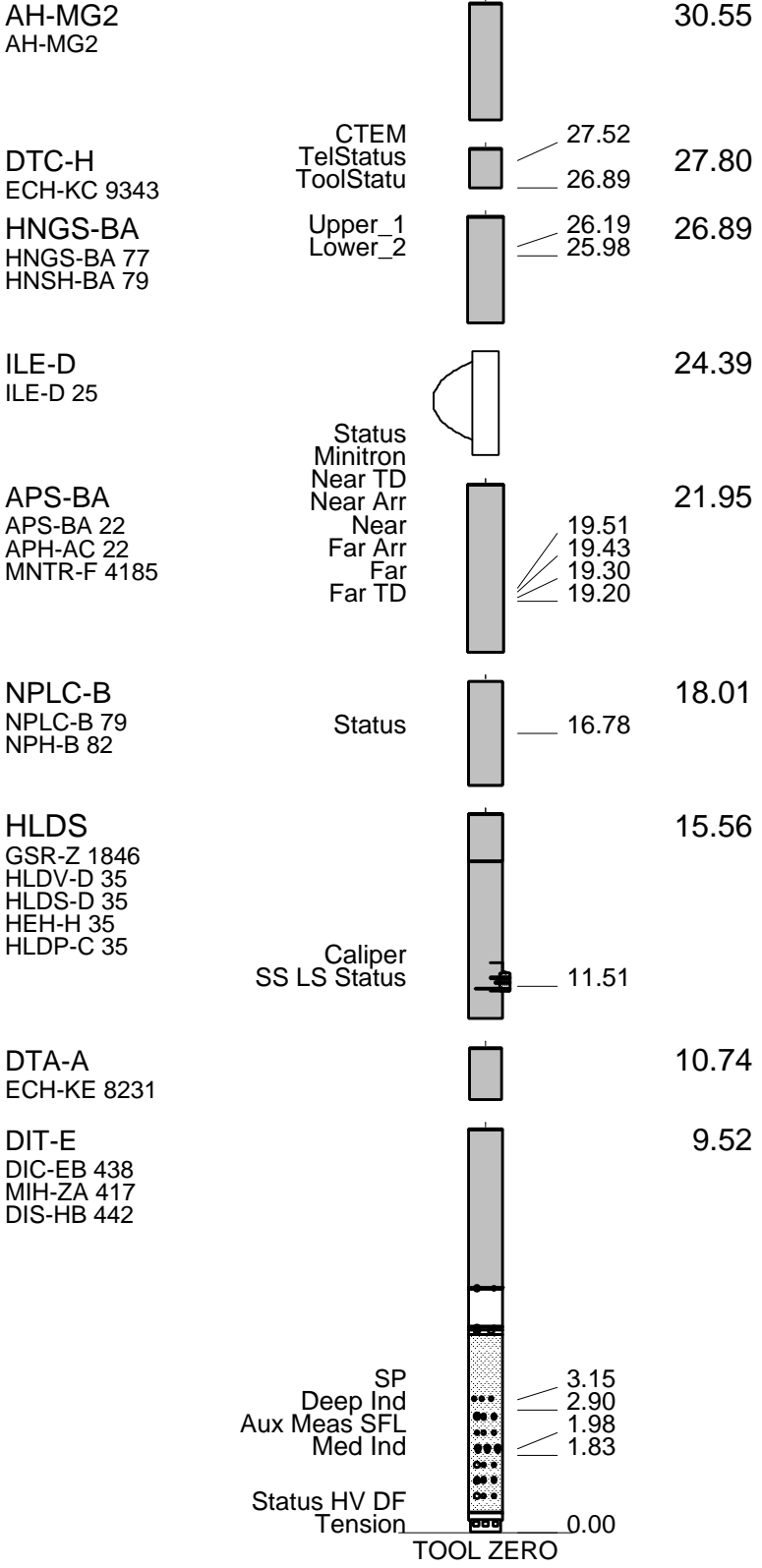
OTHER SERVICES1 OS1: MESTB/DSI OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
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REMARKS: RUN NUMBER 1 Hole Cored with APC/XCB. All depths in Meters Below Rig Floor (MBRF). Lamont Temperature tool was run WHC was run. Sea Floor Driller- 1426.1 MBRF> Total Depth Driller- 1941.5 MBRF. Total Depth Logger- 1941 MBRF. Drill Pipe Driller- 1506.1 MBRF. Drill Pipe Logger- 1505 MBRF. Lamont MGT tool was run.	REMARKS: RUN NUMBER 2
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RUN 1			RUN 2		
SERVICE ORDER #: PROGRAM VERSION: 10C0-306 FLUID LEVEL:			SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 24 SFT-178 4722 GSR-U 135 DTM-B			
DOWNHOLE EQUIPMENT			
LEH-QT		34.33	
LEH-QT			
AH-MGT2		33.44	
AH-MGT2			



MAXIMUM STRING DIAMETER 3.88 IN
 MEASUREMENTS RELATIVE TO TOOL ZERO
 ALL LENGTHS IN METERS

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_007LUP	FN:8	PRODUCER	12-May-2002 17:59	1940.8 M	1418.7 M
TCOMBO_CSUT	PI_LDL_APS_NGS_007LUP	FN:9	PRODUCER	12-May-2002 17:59	1940.8 M	1418.7 M

OP System Version: 10C0-306

MCM

MAIN UP LOG

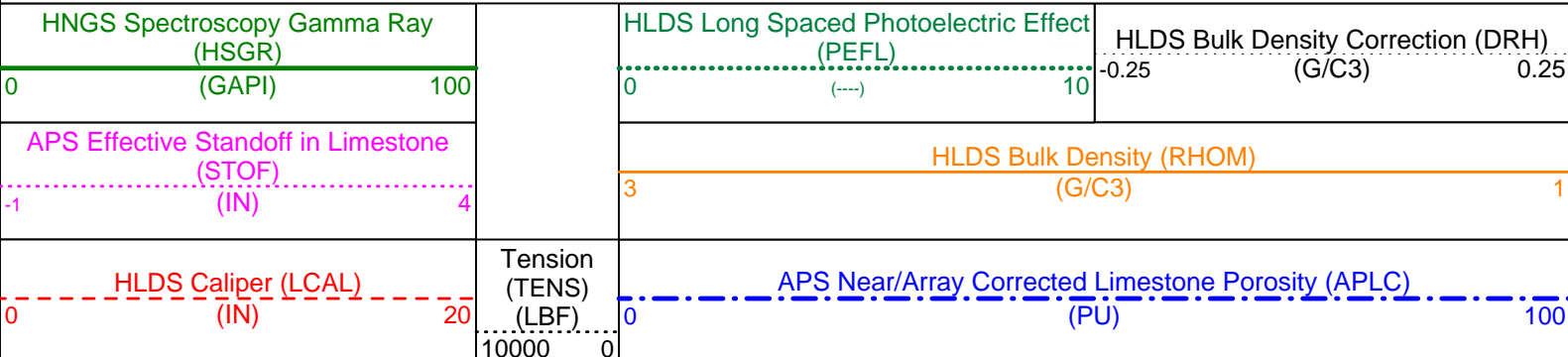
DIT-E	10C0-306	DTA-A	10C0-306
HLDS	10C0-306	NPLC-B	10C0-306
APS-BA	10C0-306	HNGS-BA	10C0-306
DTC-H	10C0-306		

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	LCAL	1513.6 19:39:11

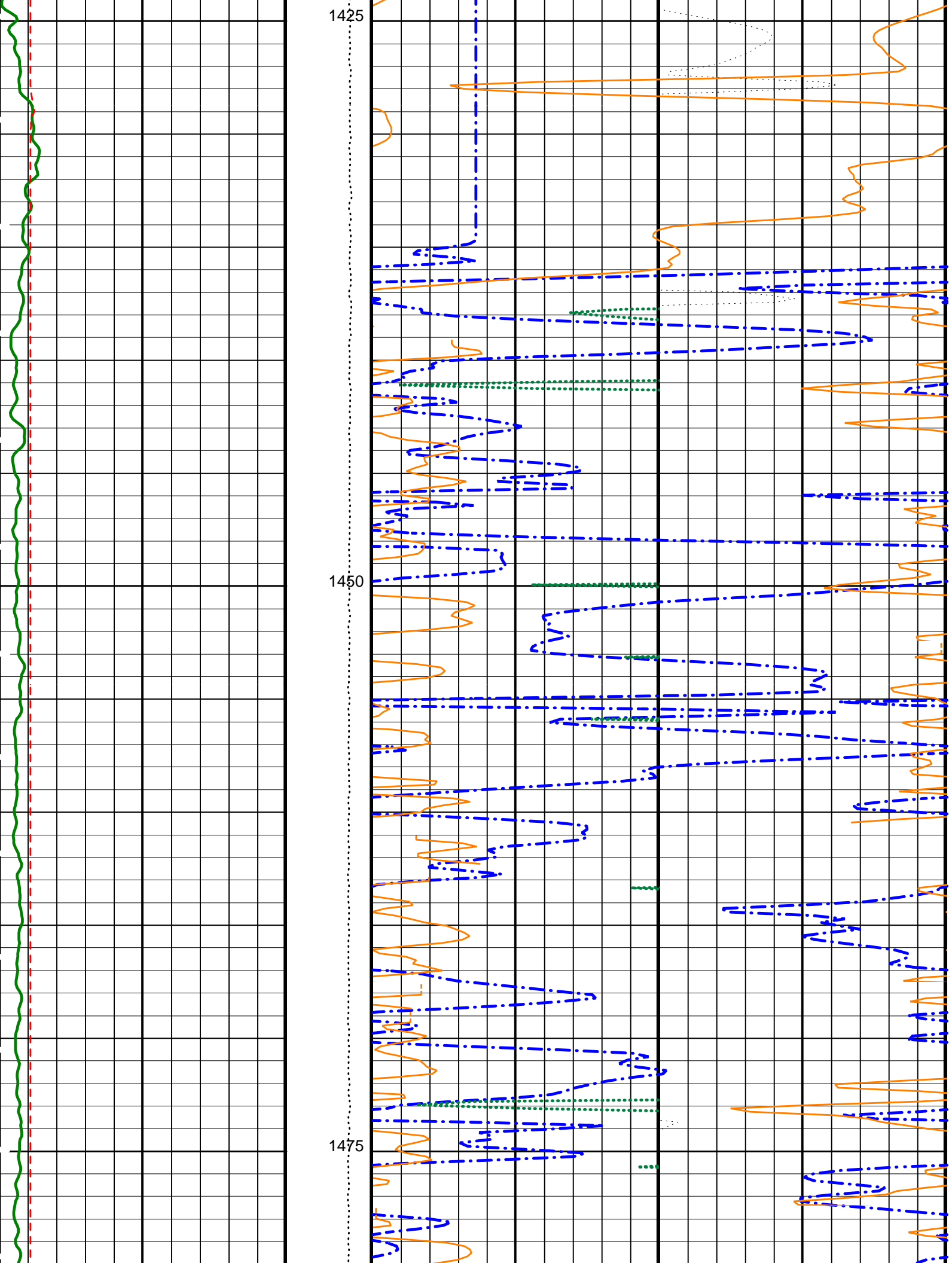
PIP SUMMARY

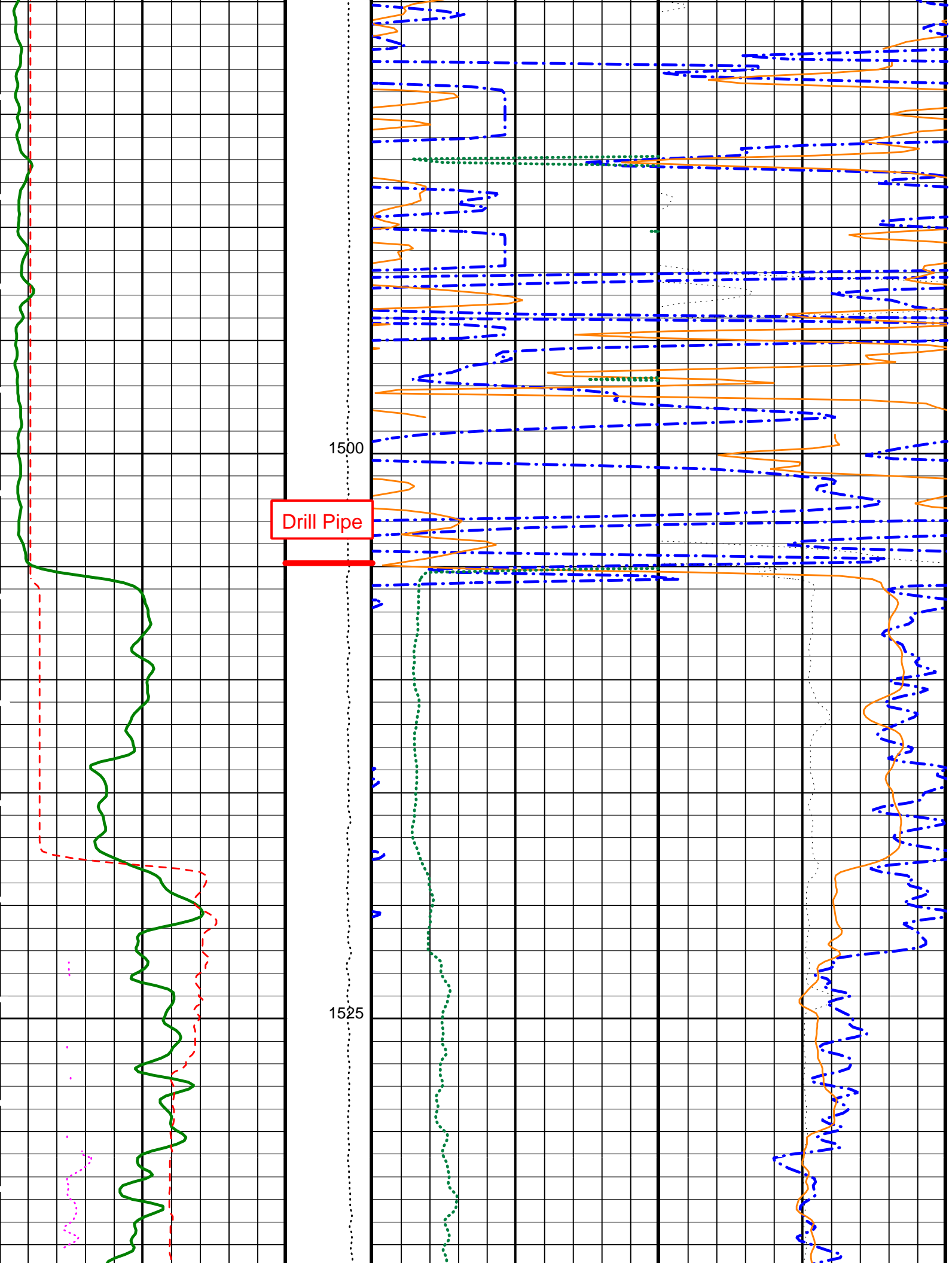
Time Mark Every 60 S

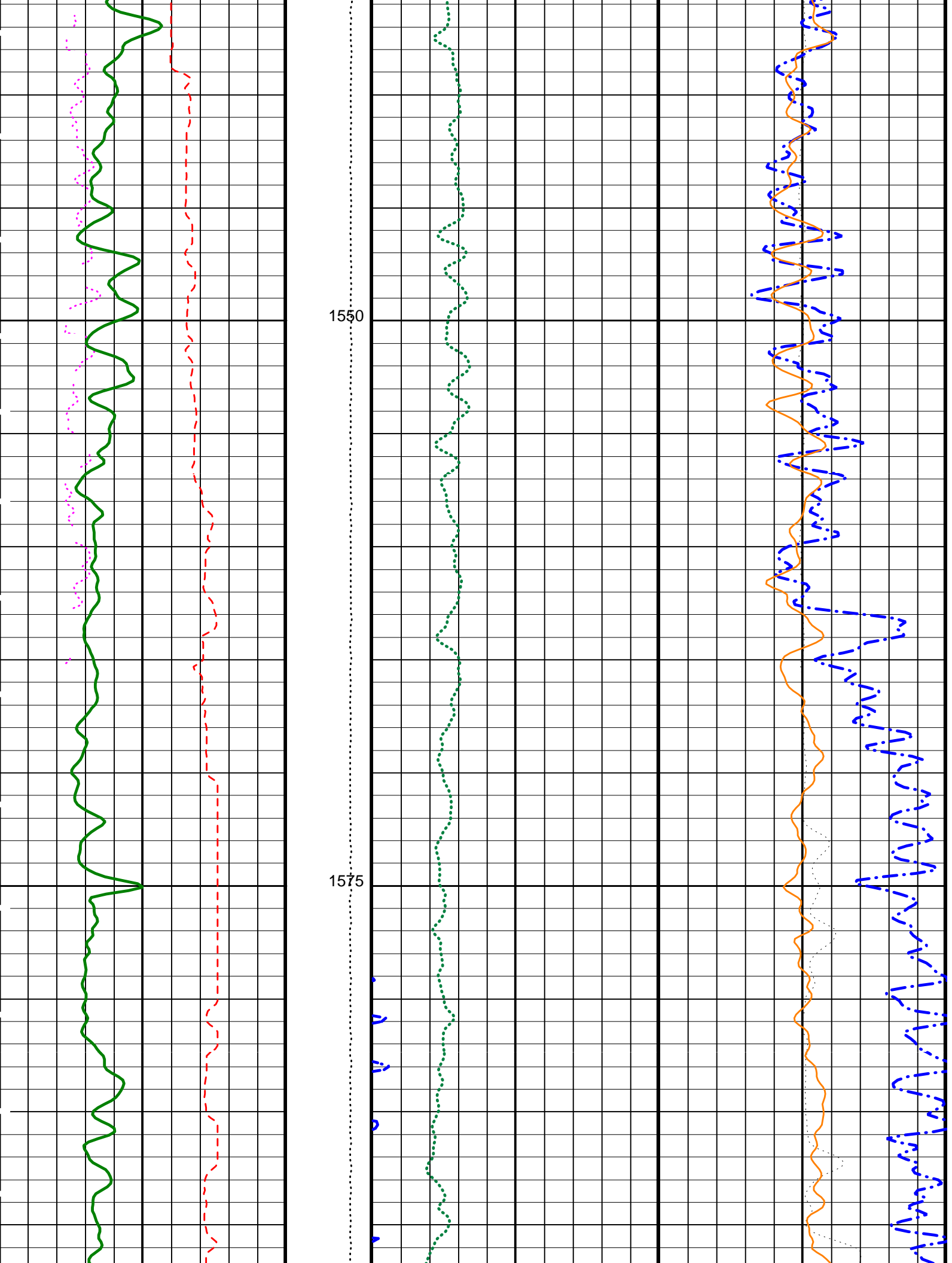


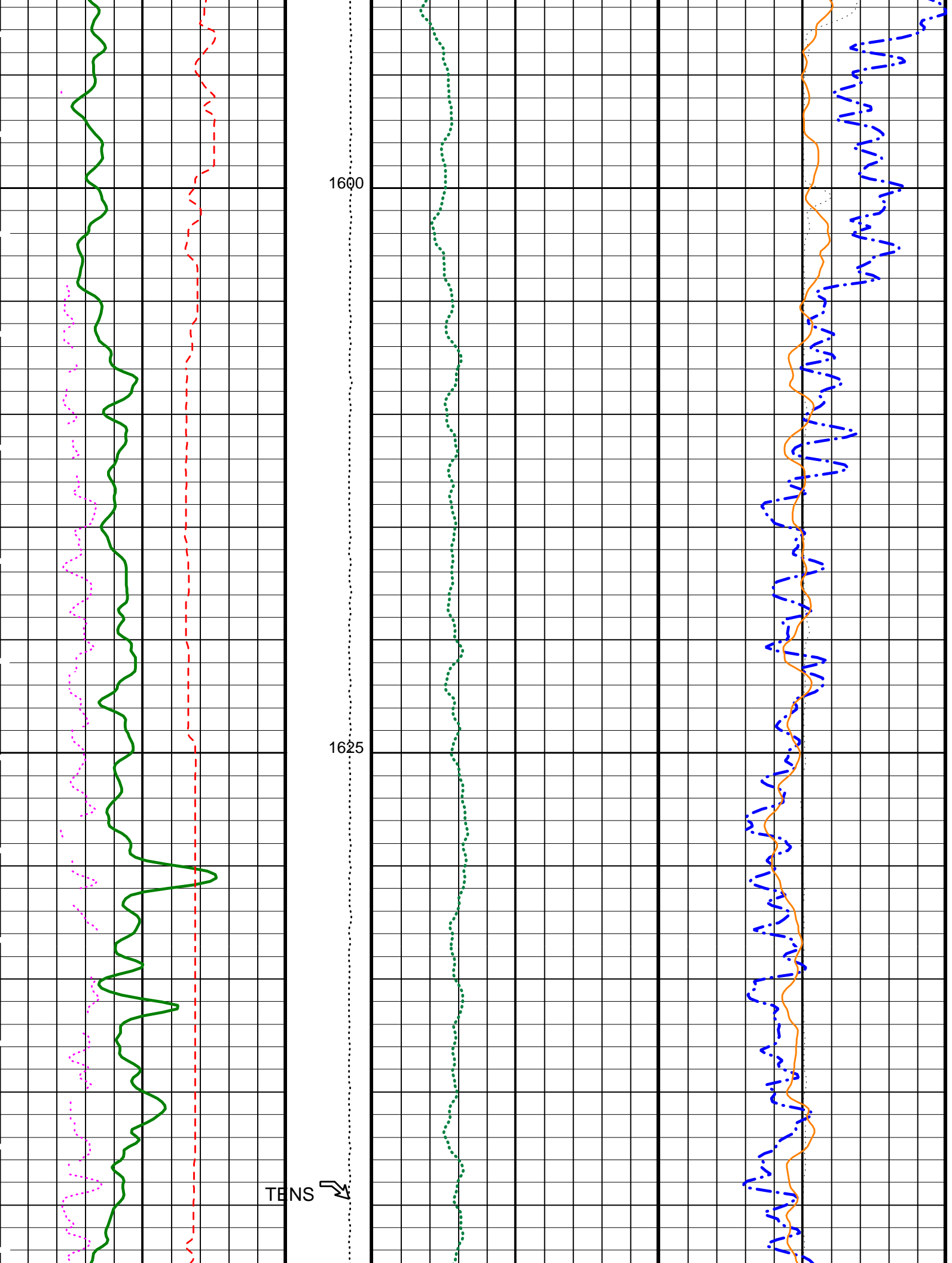
Last Reading

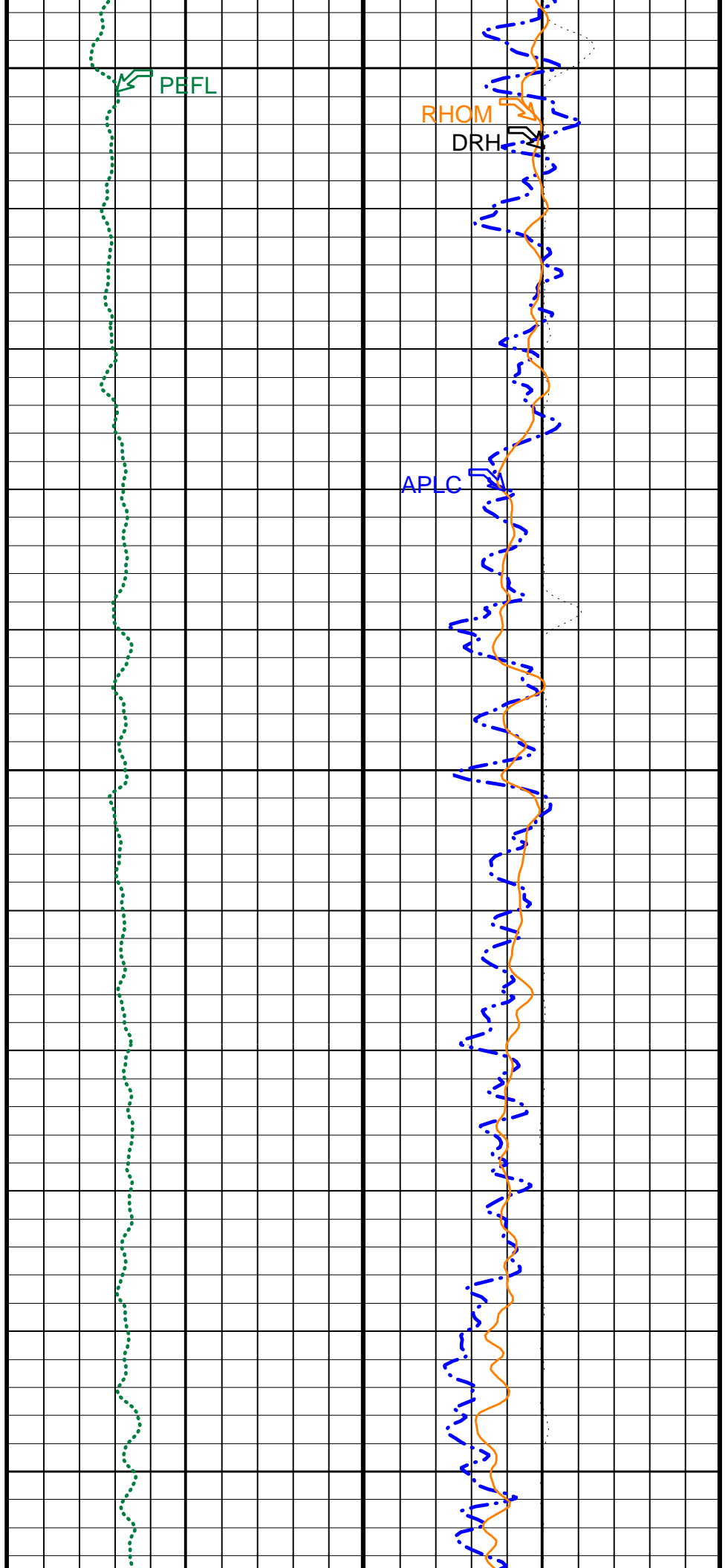
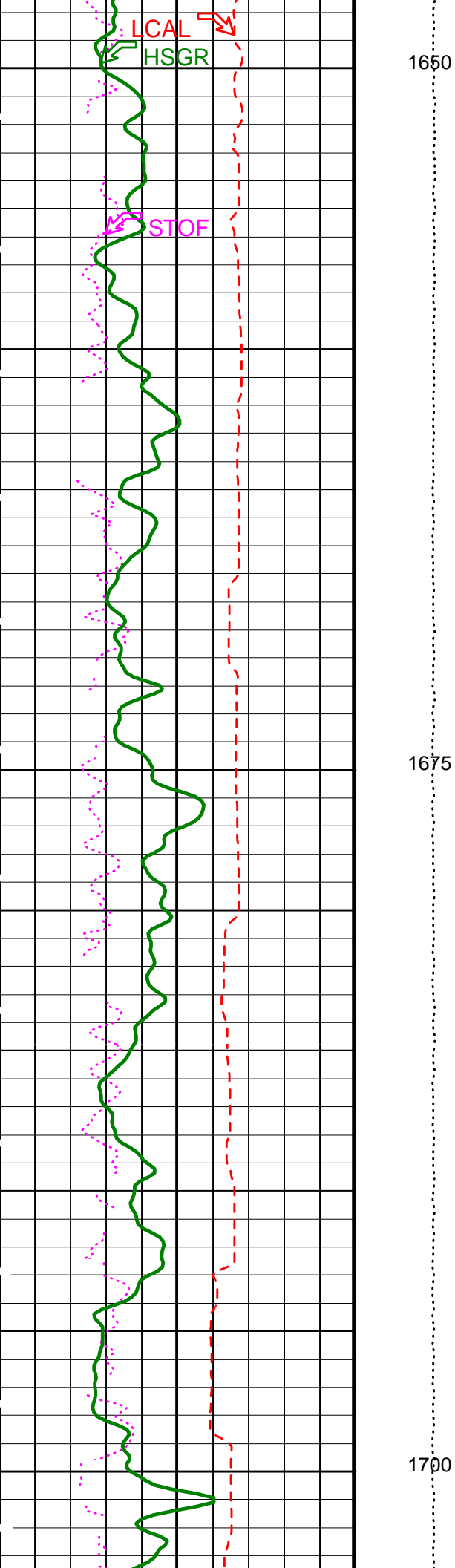
Sea Floor

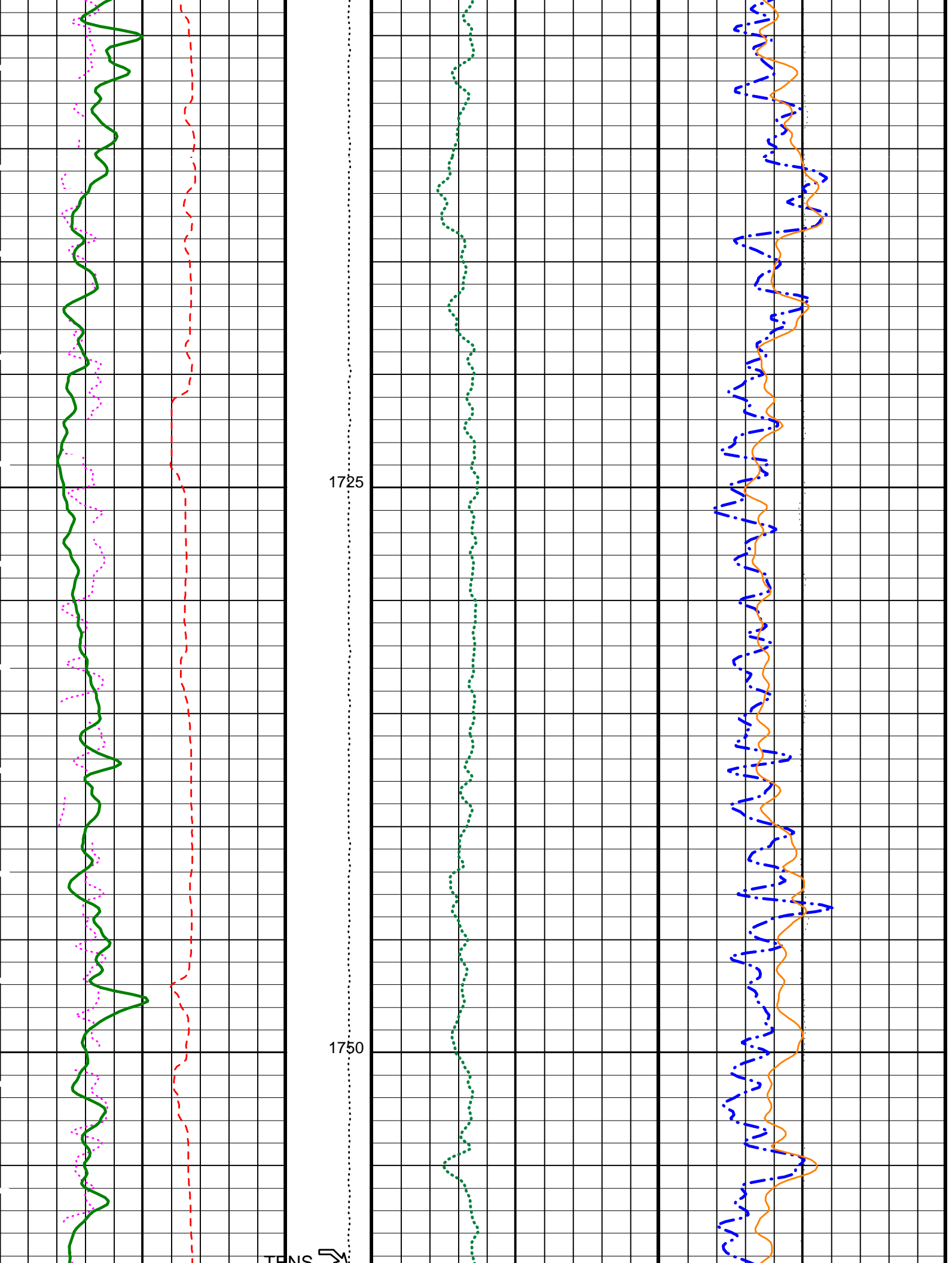


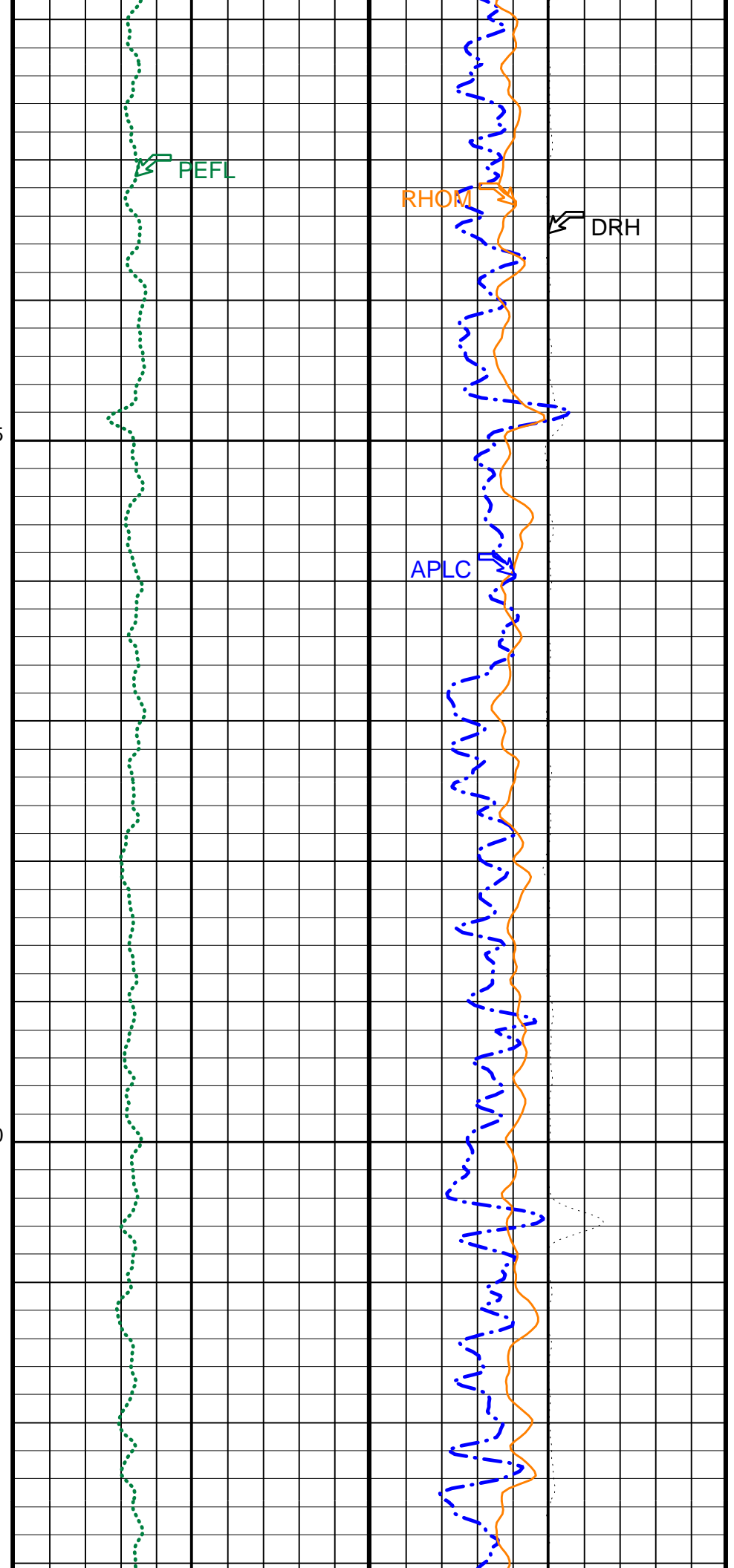
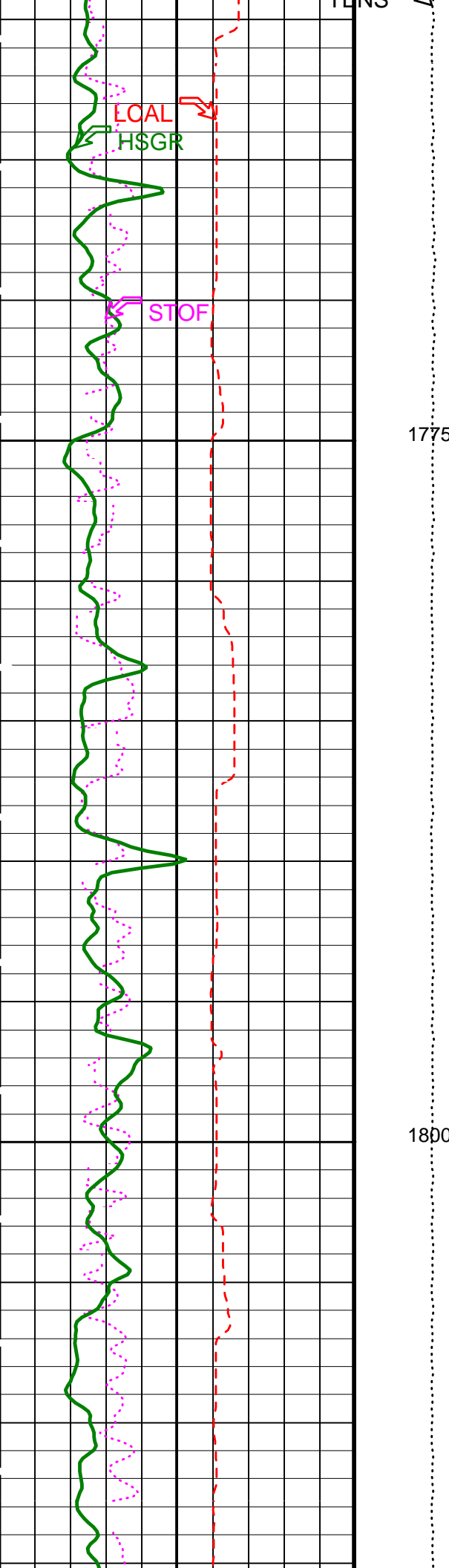


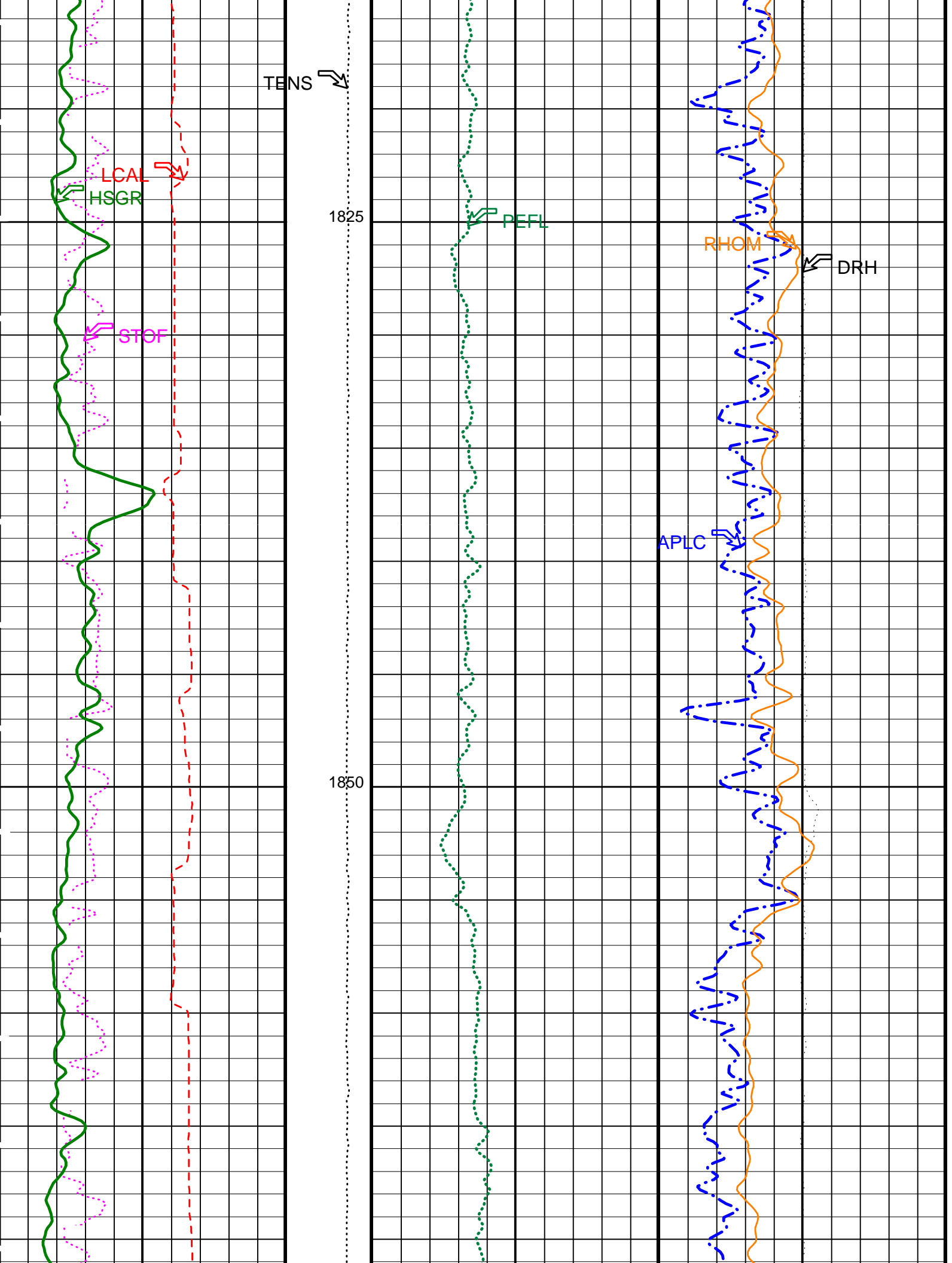


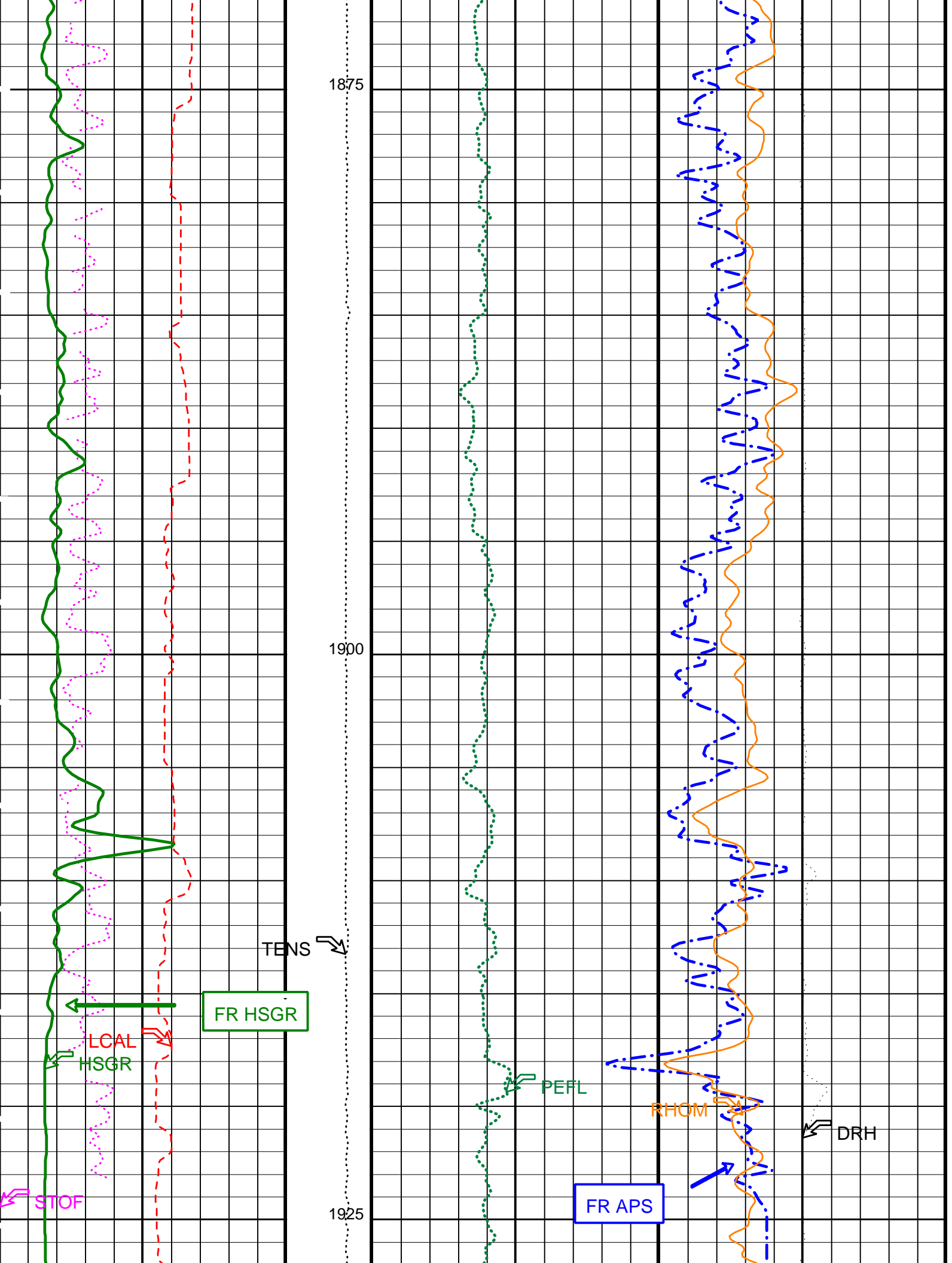












1875

1900

1925

TENS ↗

FR HSGR

LCAL HSGR ↗

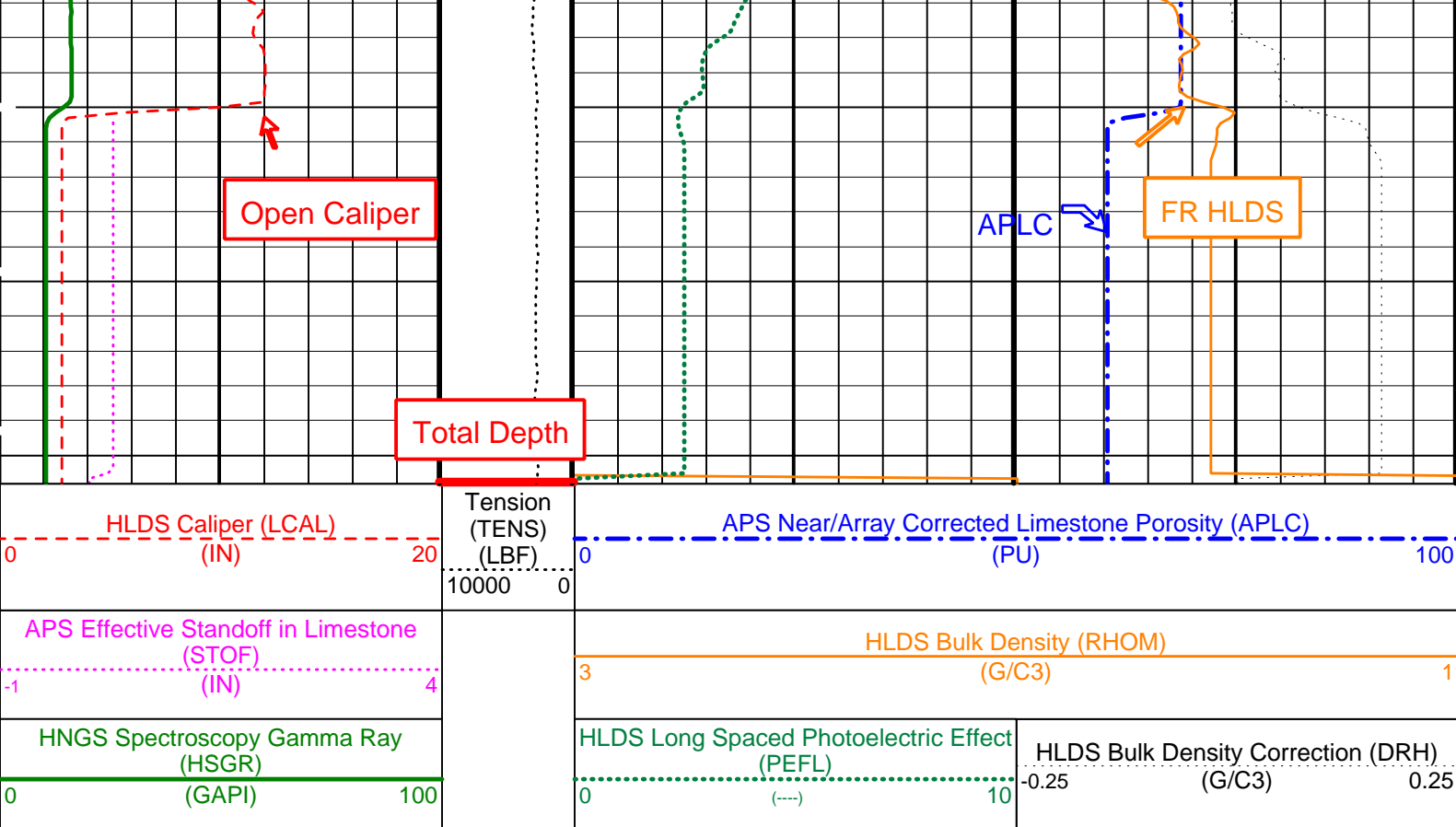
STOP ↗

PEFL ↗

RHOM ↗

DRH ↗

FR APS



PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DIT-E: Dual Induction - E		
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	40 DEGC
GCSE	Generalized Caliper Selection	LCAL
GDEV	Average Angular Deviation of Borehole from Normal	0 DEG
GGRD	Geothermal Gradient	0.018227 DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE
SHT	Surface Hole Temperature	20 DEGC
HLDS: Hostile Litho-Density Sonde		
DHC	Density Hole Correction	BS
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1 G/C3
LATC	HLDS Activation Correction	ON
MDEN	Matrix Density	2.71 G/C3
APS-BA: Accelerator-Porosity Tool		
APS Software Version		
AASD	APS Thermal and Array Detectors High Voltage Setting	5
ABOS	APS Neutron Burst-Off Background Subtraction Switch	1968.98 V
ADSO	APS Array Detectors Data Source Switch	ON
AFSD	APS Far Detector High Voltage Setting	Both
AHCS	APS Holedsize Correction Source	2052.03 V
AHSS	APS Holedsize Correction Switch	GCSE
AMTY	APS Environmental Corrections Mud Type	ON
ANSD	APS Near Detector High Voltage Setting	WaterBaseBarite
ASOS	APS Standoff Correction Switch	1748.3 V
ATSS	APS Temperature-Pressure-Salinity Correction Switch	ON
BHS	Borehole Status	OFF
BHT	Bottom Hole Temperature (used in calculations)	OPEN
DPPM	Density Porosity Processing Mode	40 DEGC
FSAL	Formation Salinity	HIRS
GCSE	Generalized Caliper Selection	35000 PPM
GDEV	Average Angular Deviation of Borehole from Normal	LCAL
GGRD	Geothermal Gradient	0 DEG
GTSE	Generalized Temperature Selection	0.018227 DC/M
NARC	APS Near/Array Calibration Ratio	LINEAR_ESTIMATE
NFRC	APS Near/Far Calibration Ratio	1.06419
SHT	Surface Hole Temperature	0.898948
HNGS-BA: Hostile Natural Gamma Ray Sonde		
BAR1	HNGS Detector 1 Barite Constant	20 DEGC
BAR2	HNGS Detector 2 Barite Constant	1
		1

BHK	HNGS Borehole Potassium Concentration	0	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	40	DEGC
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
DBCC	HNGS Barite Constant Correction Flag	NONE	
GCSE	Generalized Caliper Selection	LCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
H1P	HNGS Detector 1 Allow/Disallow In Processing	ALLOW	
H2P	HNGS Detector 2 Allow/Disallow In Processing	ALLOW	
HABK	HNGS Borehole Potassium Running Average	-0.00298869	
HALF	HNGS Alpha Filter Length	60	IN
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0.981098	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	1.0123	
System and Miscellaneous			
BS	Bit Size	11.437	IN
BSAL	Borehole Salinity	35000.00	PPM
CSIZ	Current Casing Size	0.000	IN
CWEI	Casing Weight	0.00	LB/F
DFD	Drilling Fluid Density	1.07	G/C3
TD	Total Depth	1953	M

Format: APSLiquidPorosity_1 Vertical Scale: 1:200 Graphics File Created: 12-May-2002 17:59

OP System Version: 10C0-306

MCM

DIT-E	10C0-306	DTA-A	10C0-306
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Company: Lamont Doherty

Schlumberger

Well: ODP Leg 202, Site 1239A

Field: Carnegie Ridge

Country: Ecuador

Ocean: Pacific Ocean

HLDS/APS Porosity Log