

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1195B

FIELD: Marion Plateau

Country: Australia Ocean: Pacific Ocean

Schlumberger APS/HLDS Porosity Log

Country: Australia
Field: Marion Plateau
Location: Rig- Joides Resolution
Well: ODP Leg 194, Site 1195B
Company: Lamont Doherty

Table with columns: LOCATION, RIG- JOIDES RESOLUTION, ELEV., G.L., D.F., PERMANENT DATUM, GROUND LEVEL, LOG MEASURED FROM, DRILLING MEASURED FROM, ELEV., ABOVE PERM. DATUM, API SERIAL NO., SECTION, TOWNSHIP, RANGE.

Main data table with columns: 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, Fluid Loss, Source Of Sample, RM @ Measured Temperature, RMF @ Measured Temperature, RMC @ Measured Temperature, Source RMF, RM @ MRT, RMF @ MRT, Maximum Recorded Temperatures, Circulation Stopped, Logger On Bottom, Unit Number, Recorded By, Witnessed By. Includes Run 1, Run 2, Run 3 headers.

**DISCLAIMER**  
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**OTHER SERVICES1**  
 OS1:  
 OS2: WSTA  
 OS3:  
 OS4:  
 OS5:

**OTHER SERVICES2**  
 OS1:  
 OS2:  
 OS3:  
 OS4:  
 OS5:

**REMARKS: RUN NUMBER 1**  
 Hole Cored With RCB.  
 WHC used on all runs.  
 Seas calm.  
 Log Measured in Meters Below Rig Floor (MBRF).  
 Sea Floor Driller- 430.8 MBRF.  
 Sea Floor Logger- 429 MBRF.  
 Drill Pipe Driller- 513 MBRF.  
 Drill Pipe Logger- 509 MBRF.  
 TD Driller- 951.24 MBRF.  
 TD Logger- 949.5 MBRF.  
 Did not run Lamont GR due to hole conditions.  
 Lamont Temp tool was run.

**REMARKS: RUN NUMBER 2**

**RUN 1**  
 SERVICE ORDER #:  
 PROGRAM VERSION: 9C1-303  
 FLUID LEVEL:

**RUN 2**  
 SERVICE ORDER #:  
 PROGRAM VERSION:  
 FLUID LEVEL:

LOGGED INTERVAL	START	STOP



LOGGED INTERVAL	START	STOP

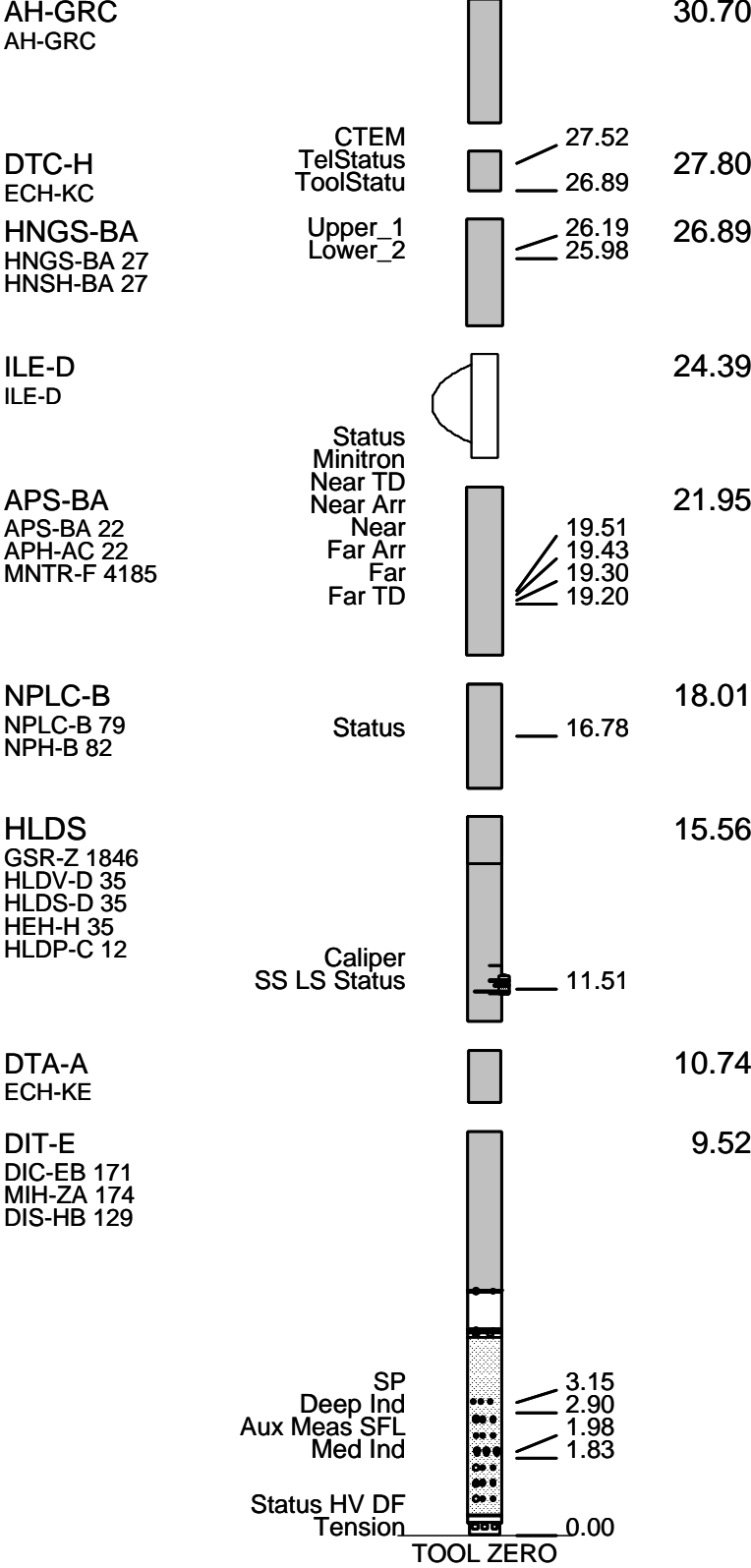
**EQUIPMENT DESCRIPTION**

**RUN 1**  
**SURFACE EQUIPMENT**  
 SFT-281 24  
 SFT-178 4722  
 GSR-U 135  
 WITM (DTS)-A

**RUN 2**

**DOWNHOLE EQUIPMENT**

LEH-QT		34.33
LEH-QT		
AH-GRS		33.44
AH-GRS		



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

### Output DLIS Files

DEFAULT	DITE .028	FN:15 PRODUCER	29-Jan-2001 06:35	948.7 M	418.5 M
TCOMBO_CUST	DITE .028	FN:16 PRODUCER	29-Jan-2001 06:35	948.7 M	418.5 M

OP System Version: 9C1-303  
MCM

**MAIN UP LOG**

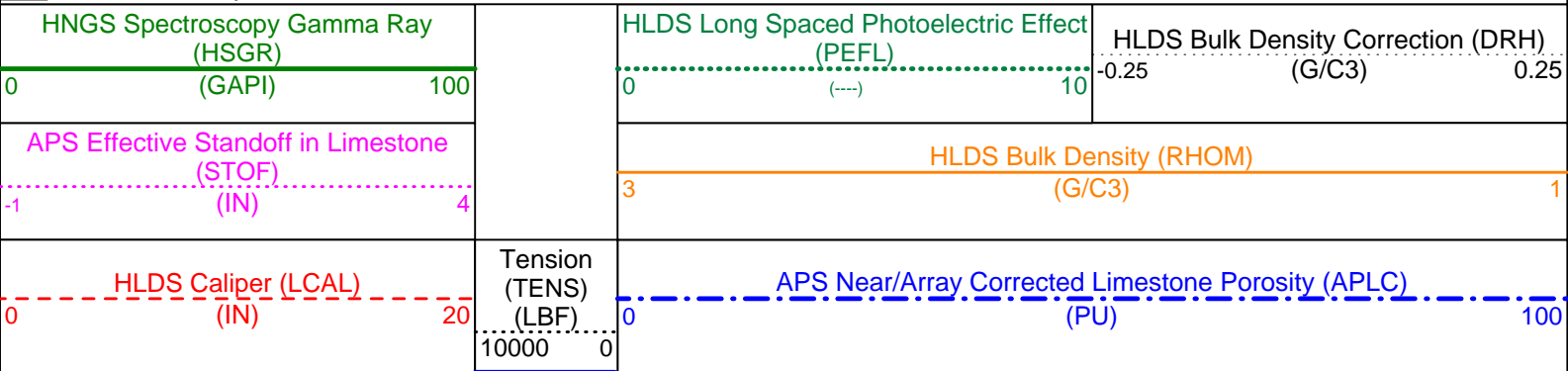
DIT-E	OP91-kp2	DTA-A	OP91-kp2
HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
DTC-H	OP91-kp2		

### Changed Parameter Summary

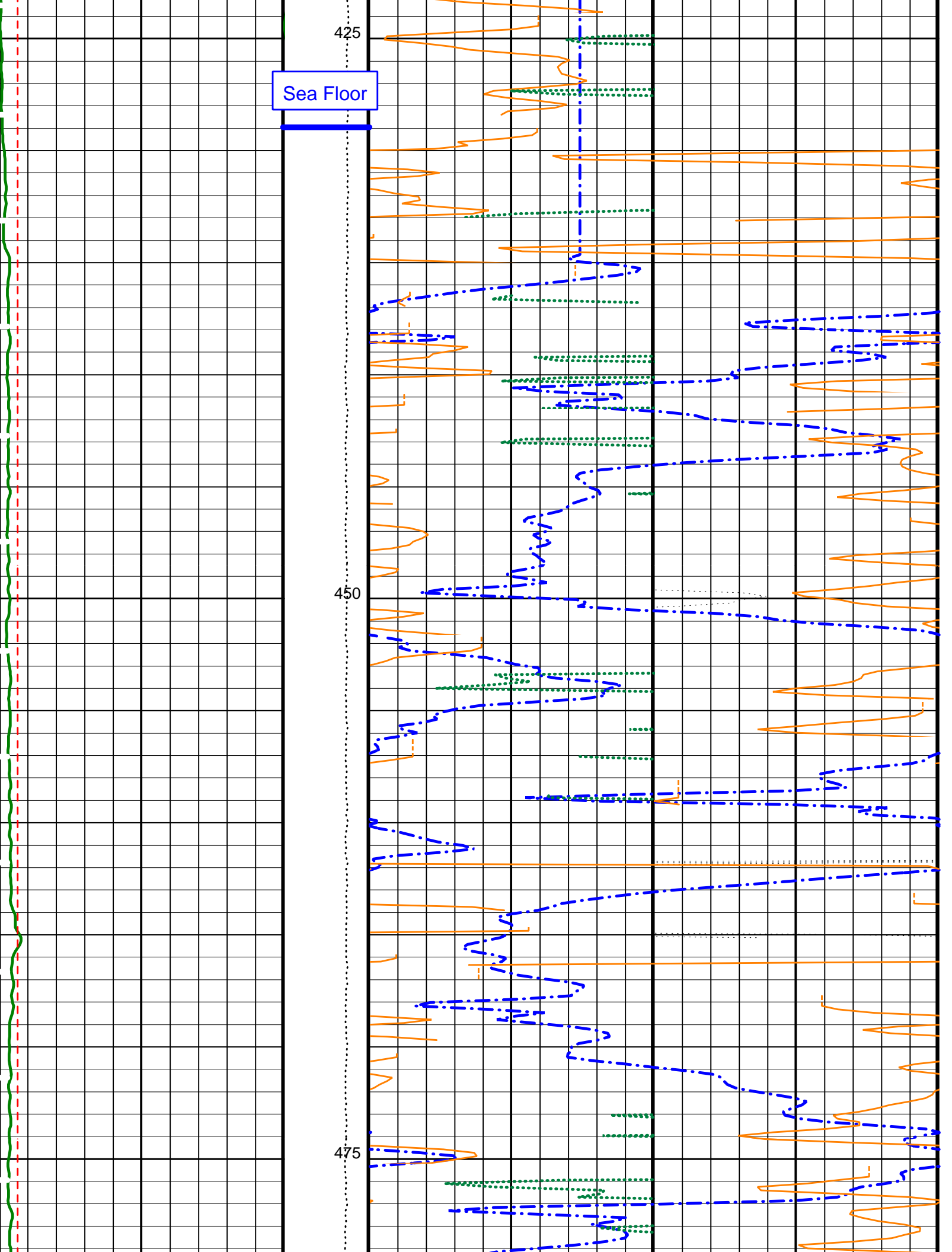
DLIS Name	New Value	Previous Value	Depth & Time
BS	10.250 IN	9.875 IN	686.4 07:35:16
GCSE	BS	LCAL	548.0 08:05:49

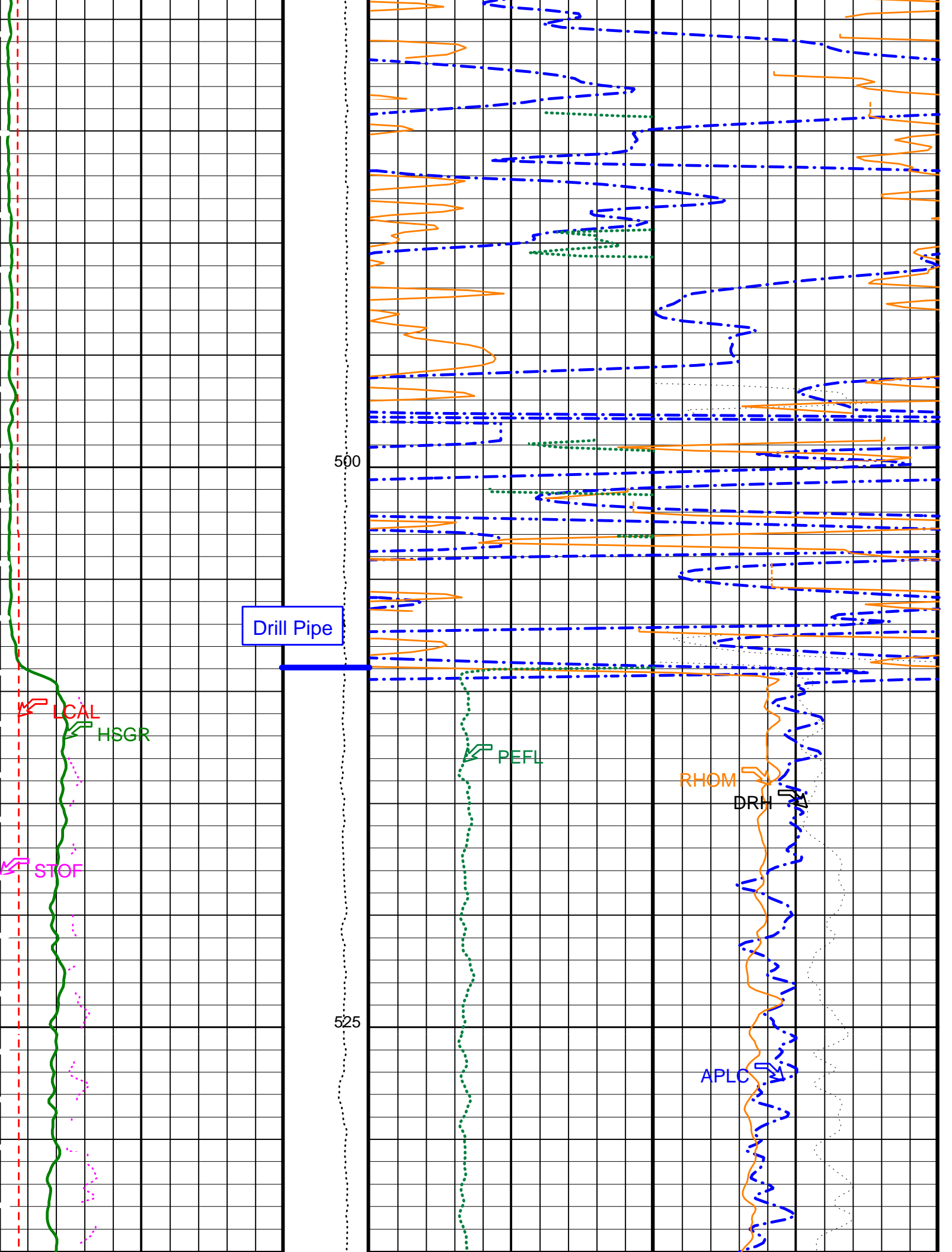
### PIP SUMMARY

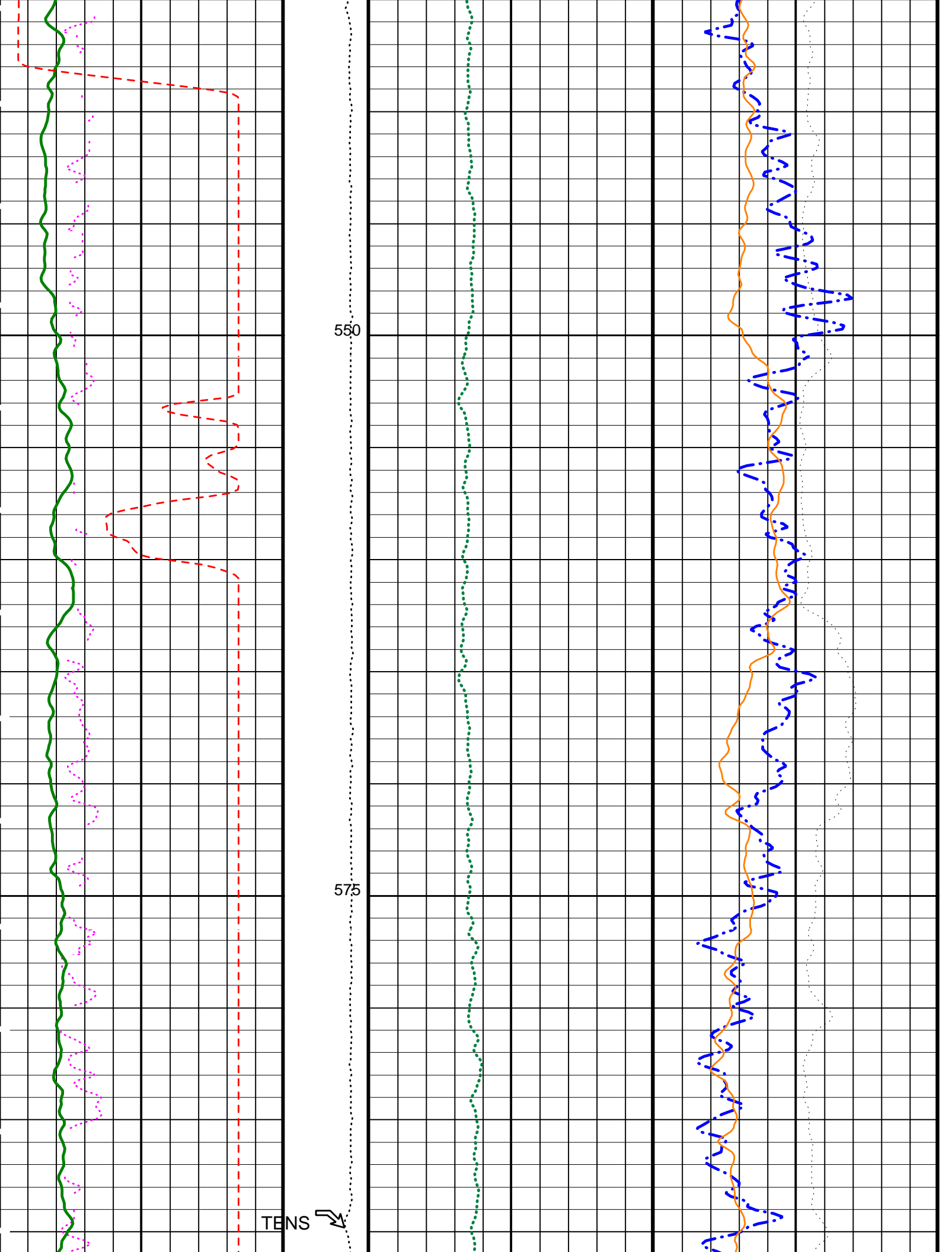
Time Mark Every 60 S

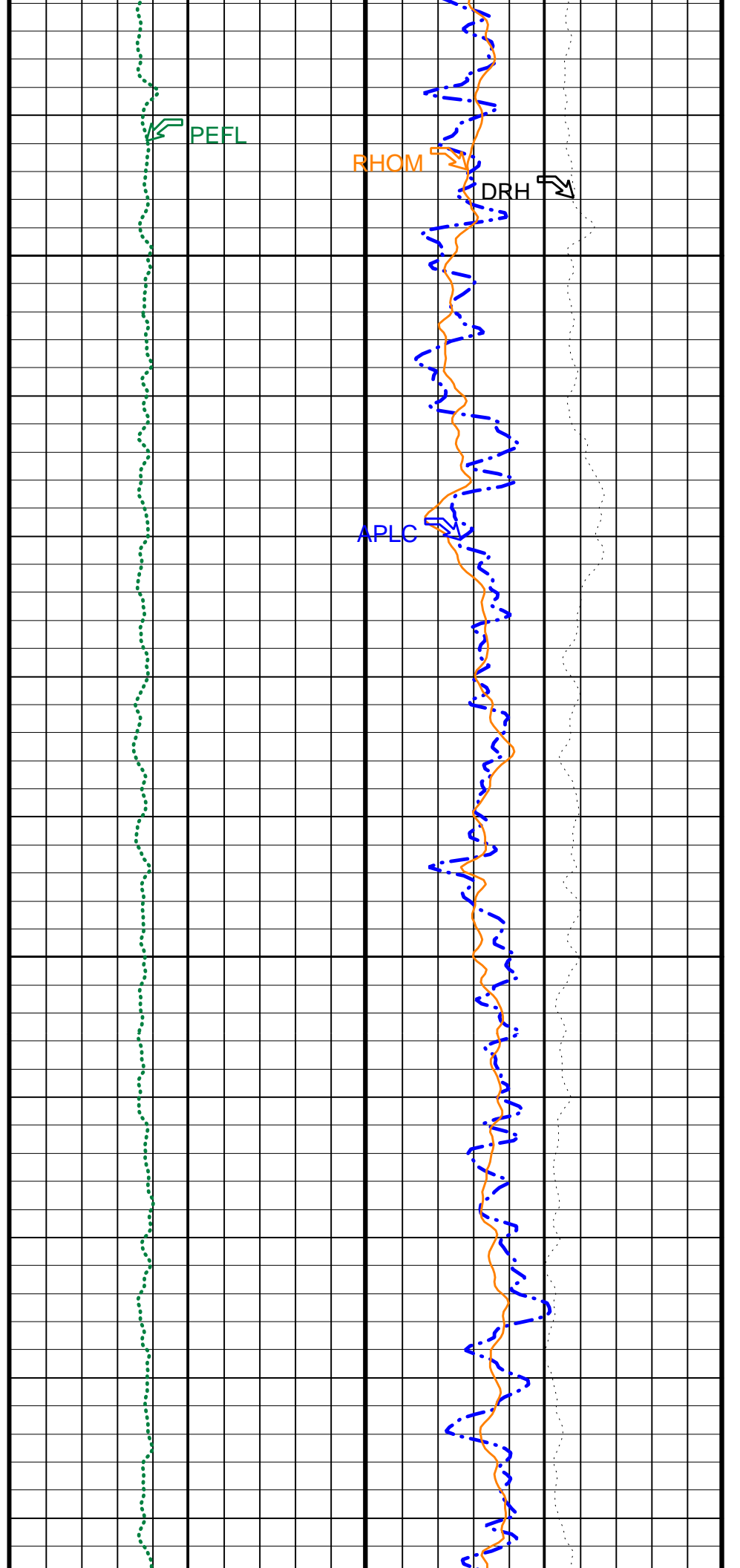
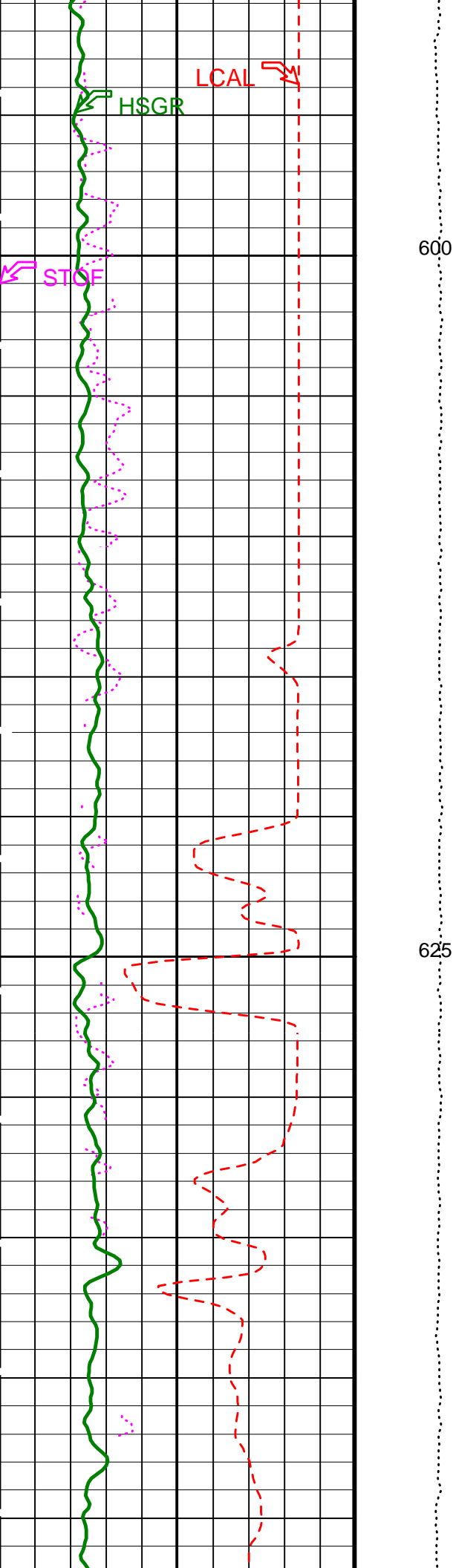


Last Reading

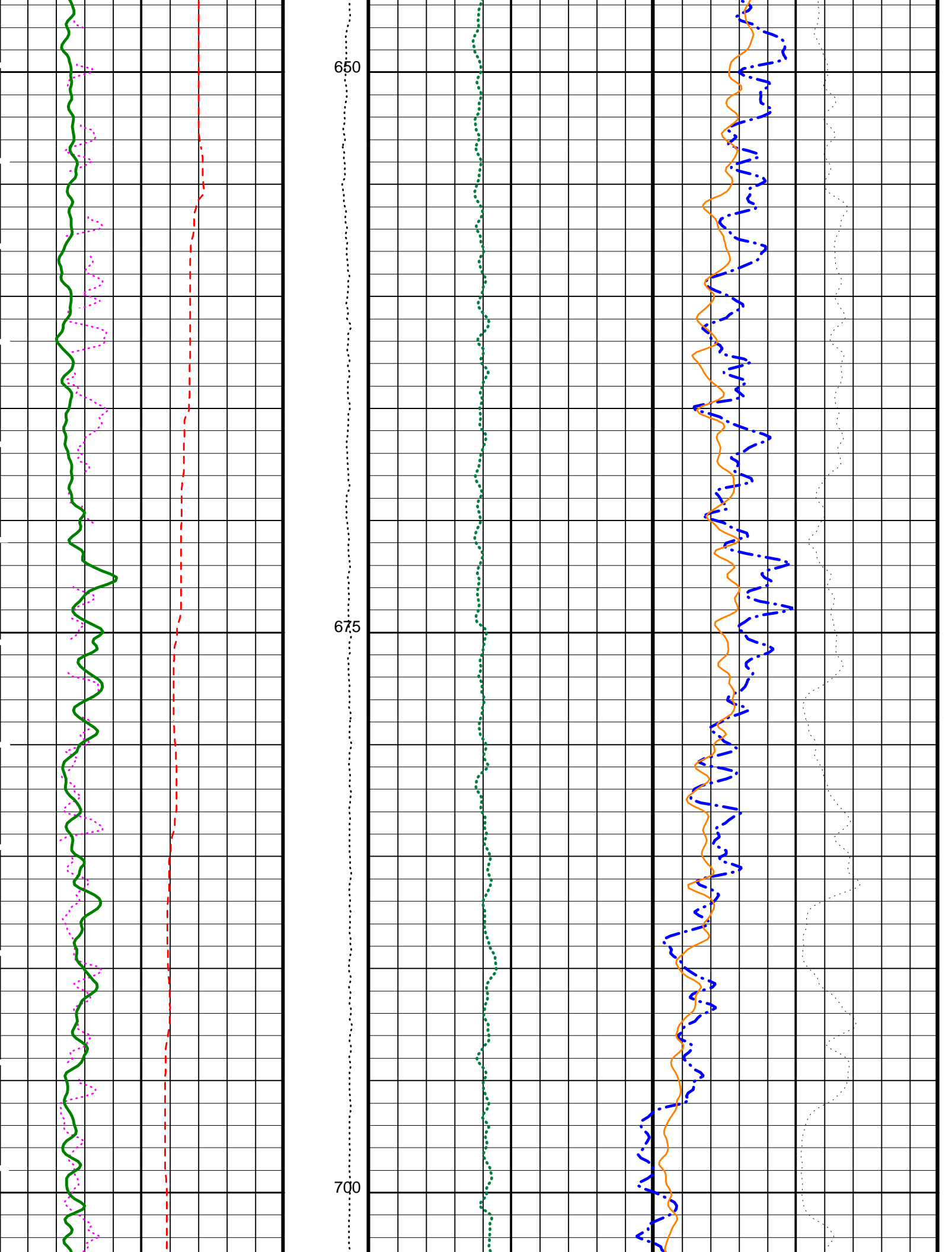


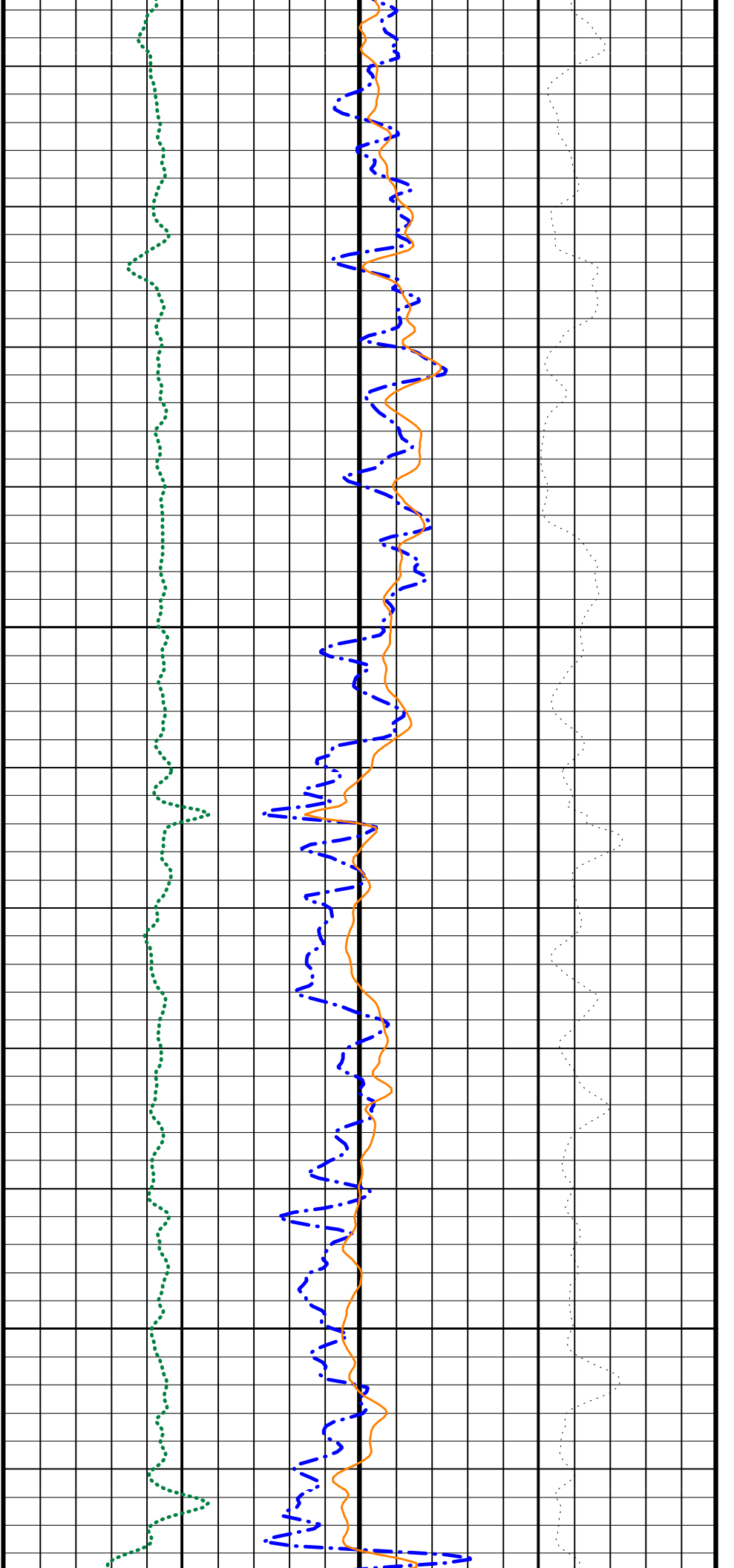
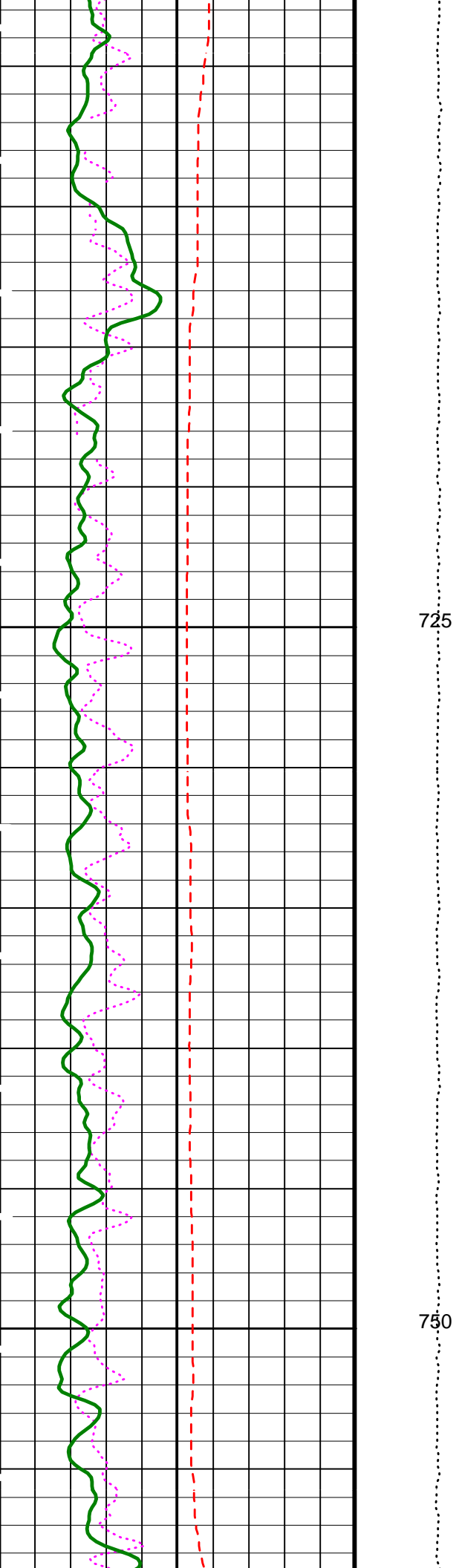


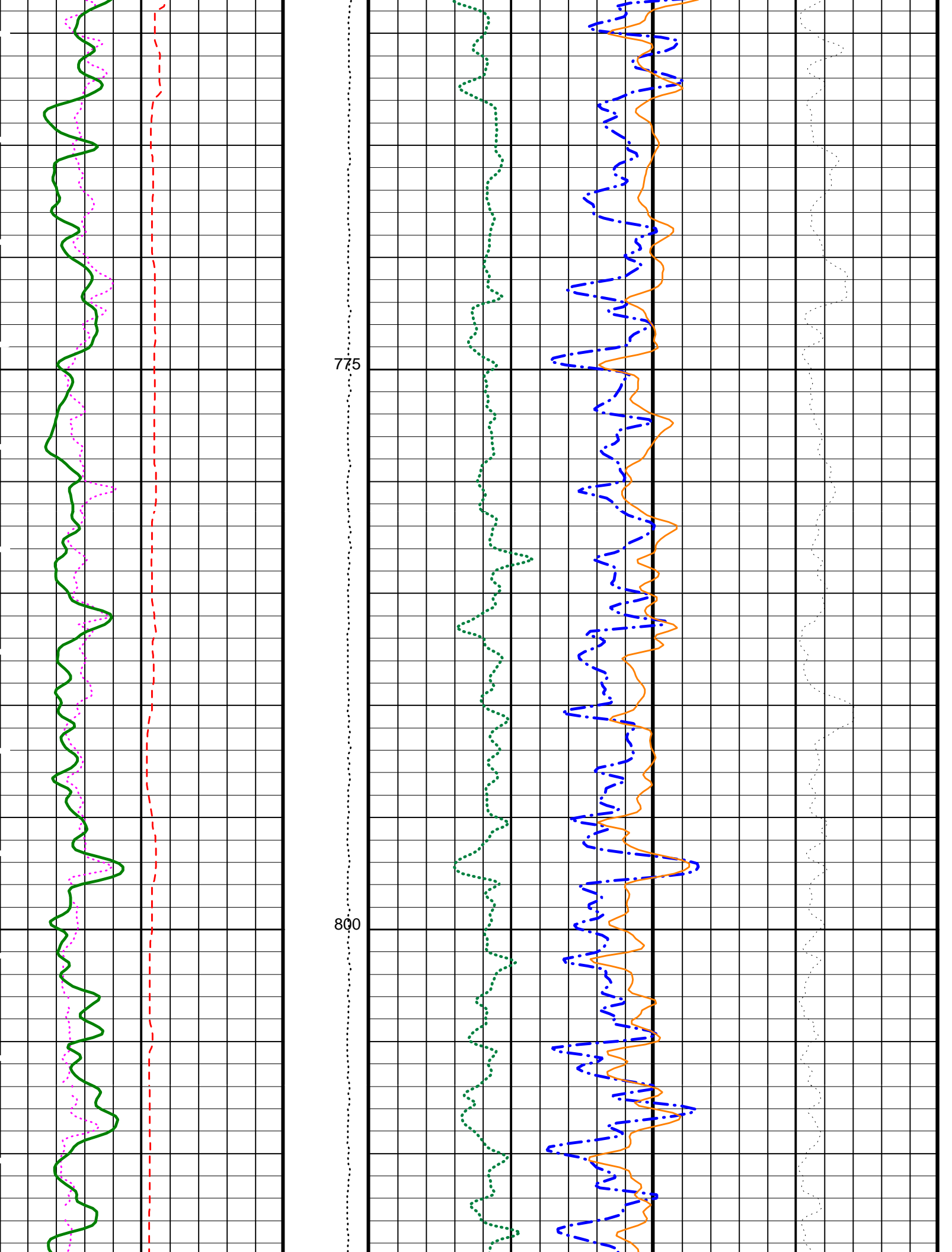


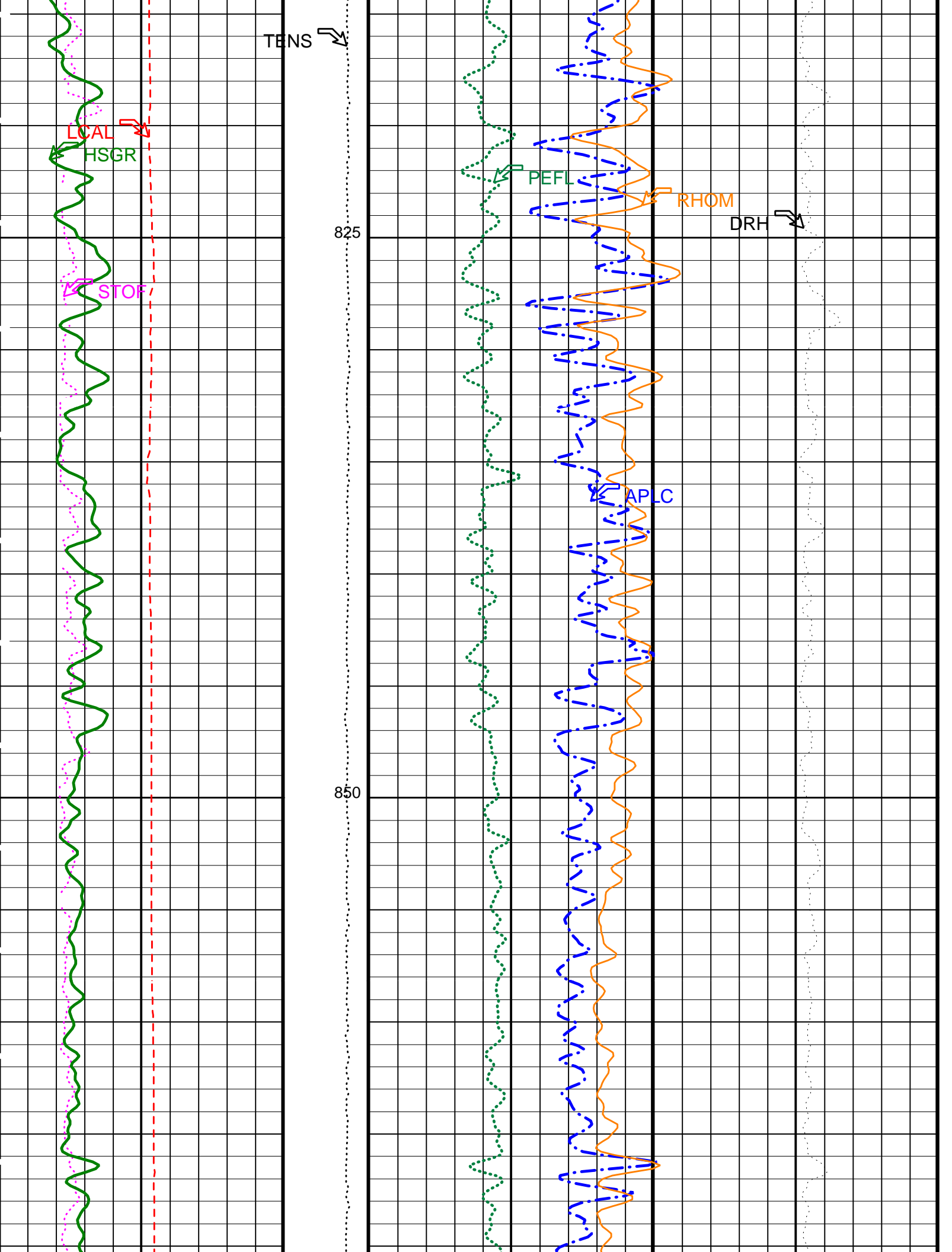


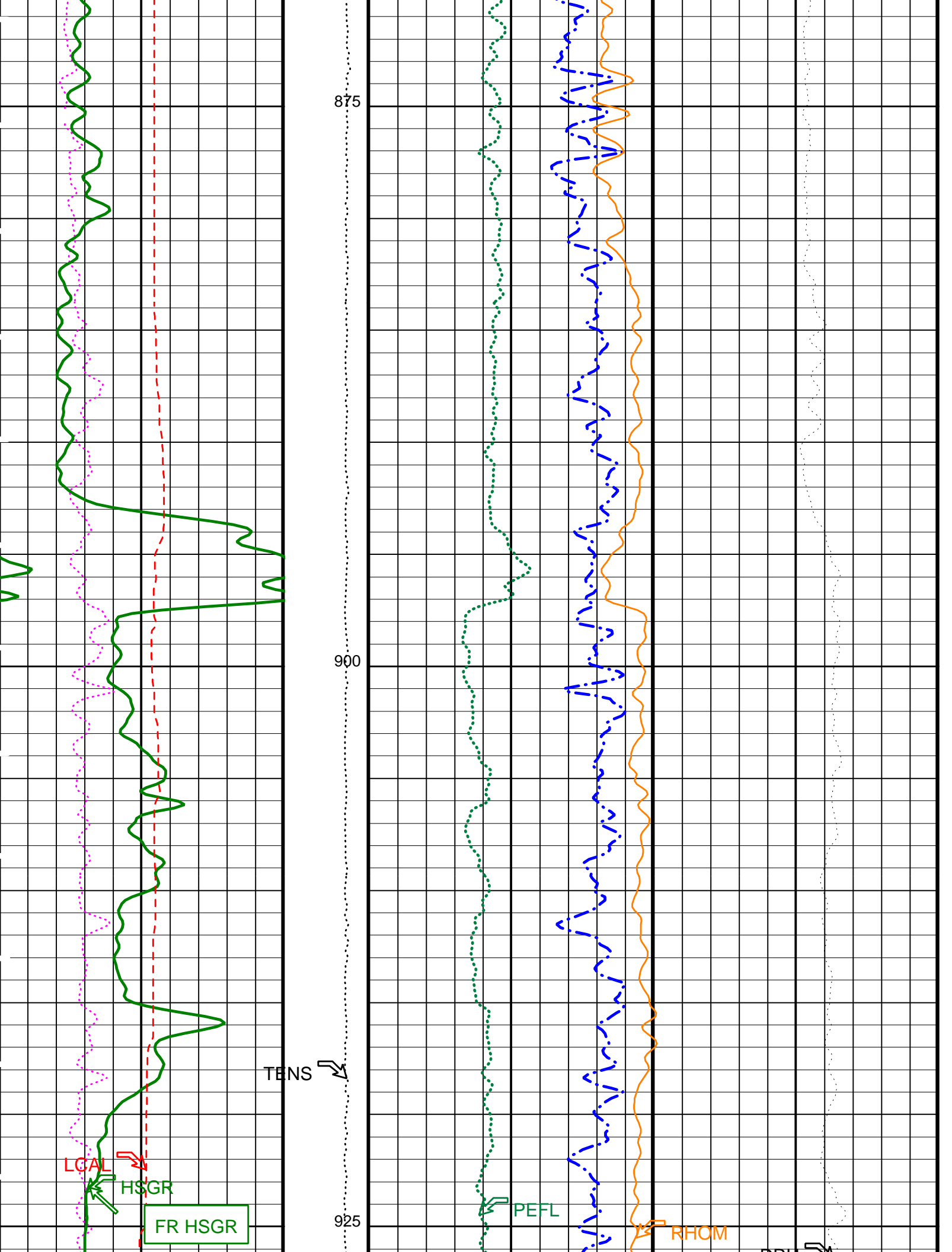


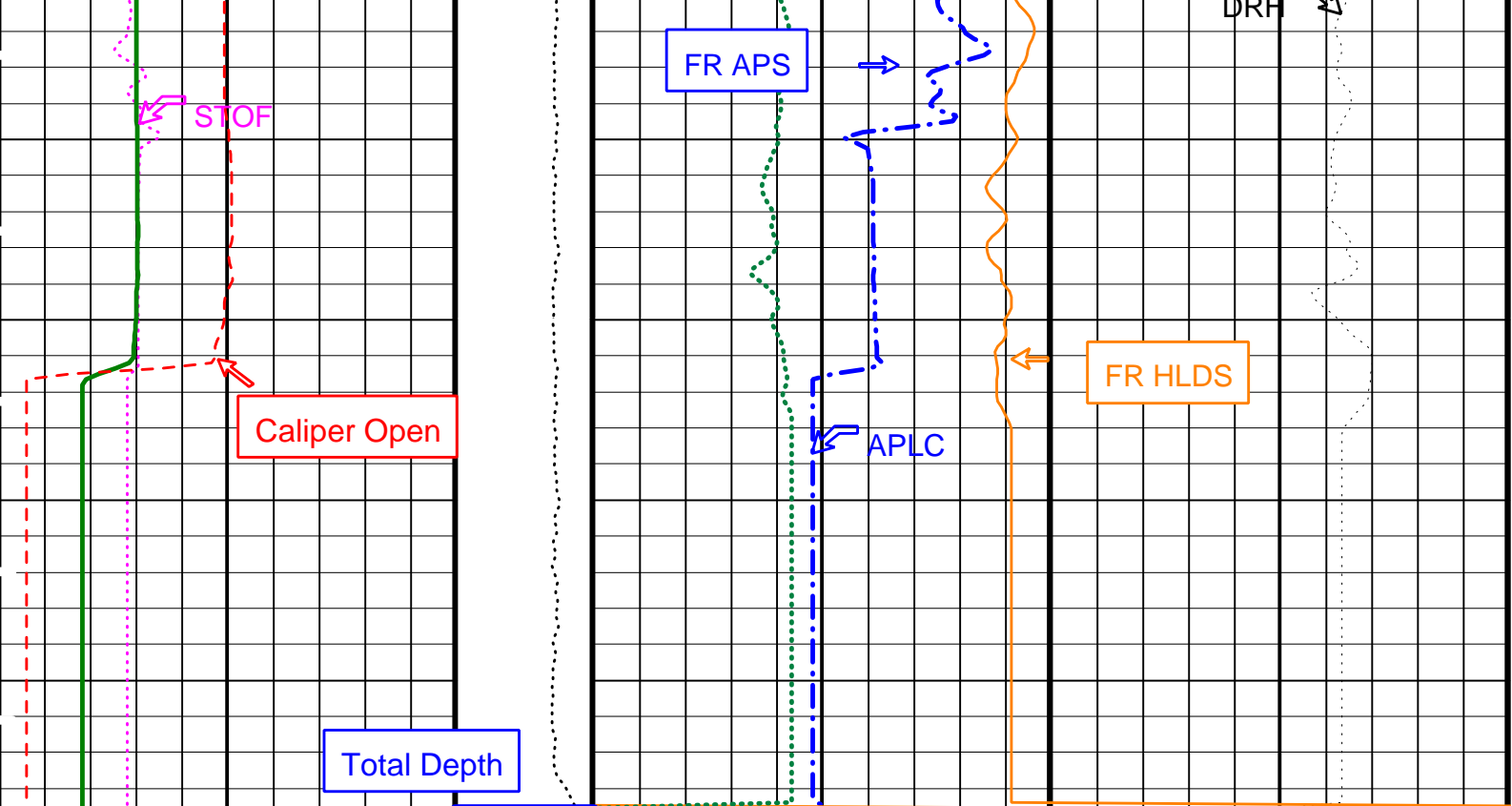












HLDS Caliper (LCAL) (IN)	0	20	Tension (TENS) (LBF)	0	10000	0	100	APS Near/Array Corrected Limestone Porosity (APLC) (PU)
APS Effective Standoff in Limestone (STOF) (IN)	1	4						HLDS Bulk Density (RHOM) (G/C3)
HNGS Spectroscopy Gamma Ray (HSGR) (GAPI)	0	100						HLDS Long Spaced Photoelectric Effect (PEFL)
								HLDS Bulk Density Correction (DRH) (G/C3)

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
	HLDS Data Control	AcquiredData
	HLDS SS NCB Mode	Density
	HLDS LS Digital Integrator State	Normal
	HLDS LS Tri-Ported Memory State	Enable
	APS Cement Thickness Source	COMPUTED
	HLDS SS Tri-Ported Memory State	Enable
	HLDS LS NCB Mode	Density
	HLDS Spec Message Rate	1
	Apparent Thickness of Cement	0
	APS Software Version	5
	HLDS SS Digital Integrator State	Normal
	HLDS Diag Message Rate	20
AASD	APS Thermal and Array Detectors High Voltage Setting	1968.98
ABOS	APS Neutron Burst-Off Background Subtraction Switch	ON
ADSO	APS Array Detectors Data Source Switch	Both
AFSD	APS Far Detector High Voltage Setting	2052.03
AHCS	APS Holesize Correction Source	GCSE
AHSS	APS Holesize Correction Switch	ON
AMTY	APS Environmental Corrections Mud Type	WaterBaseBarite
ANSD	APS Near Detector High Voltage Setting	1748.3
ASOS	APS Standoff Correction Switch	ON
ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF
BAR1	HNGS Detector 1 Barite Constant	1
BAR2	HNGS Detector 2 Barite Constant	1
BHK	HNGS Borehole Potassium Correction Concentration	0
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	12

INTF	Bottom Hole Temperature (used in calculations)	12	DEGC
BKSF	HNGS Borehole Fluid Excluder Sleeve Algorithm Factor	1	
BKSH	HNGS Borehole Fluid Excluder Sleeve Algorithm High Channel	245	
BKSL	HNGS Borehole Fluid Excluder Sleeve Algorithm Low Channel	17	
BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	35000.00	PPM
CSD1	Inner Casing Outer Diameter	0	IN
CSD2	Outer Casing Outer Diameter	0	IN
CSIZ	Current Casing Size	0.000	IN
CSW1	Inner Casing Weight	0	LB/F
CSW2	Outer Casing Weight	0	LB/F
CWEI	Casing Weight	0.00	LB/F
D1PR	HNGS Detector 1 Calibration Thorium Peak Resolution	7.79616	%
D1TC	HNGS Detector 1 Calibration Temperature	30.594	DEGC
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.429	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.70686	%
D2TC	HNGS Detector 2 Calibration Temperature	29.6607	DEGC
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	210.041	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	1.10	G/C3
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1.01	G/C3
FSAL	Formation Salinity	35500	PPM
GCF1_START	HNGS Detector 1 GCF Constant	1	
GCF2_START	HNGS Detector 2 GCF Constant	1	
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	-0.0008613	
HALF	HNGS Alpha Filter Length	60	IN
HATIM	HNGS Marquardt Accumulation Time	600	S
HCRB	HNGS Apply Borehole Potassium Correction	NONE	
HMWM	Mud Weighting Material	NATU	
HNPE	HNGS Processing Enable	YES	
HSLV	HNGS Borehole Fluid Excluder Sleeve Status	NO	
HSVN	HNGS Spectral Standards Version Number	3.51694e-035	
LATC	HLDS Activation Correction	ON	
MARQ_START	HNGS Marquardt Start-up Mode	INTERNAL	
MDEN	Matrix Density	2.71	G/C3
NARC	APS Near/Array Calibration Ratio	1.0597	
NFRC	APS Near/Far Calibration Ratio	0.897595	
RDF1_START	HNGS Detector 1 RDF Constant	0	
RDF2_START	HNGS Detector 2 RDF Constant	0	
S1BI	HNGS Detector 1 Calibration Bismuth Count Rate	1.3	CPS
S1NA	HNGS Detector 1 Calibration Sodium Count Rate	22.4203	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992953	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	22.621	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.985234	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000143516	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TD	Total Depth	951	M
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.00429	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.957499	

Format: APSLiquidPorosity\_1 Vertical Scale: 1:200 Graphics File Created: 29-Jan-2001 06:35

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MCM

DIT-E	OP91-kp2	DTA-A	OP91-kp2
HLDS	OP91-kp2	NPLC-B	OP91-kp2
APS-BA	OP91-kp2	HNGS-BA	OP91-kp2
DTC-H	OP91-kp2		

**Output DLIS Files**

DEFAULT	DITE .028	FN:15 PRODUCER	29-Jan-2001 06:35
TCOMBO_CUST	DITE .028	FN:16 PRODUCER	29-Jan-2001 06:35

<b>COMPANY:</b>	<b>Lamont Doherty</b>	BOTTOM LOG INTERVAL	947.5 m
<b>WELL:</b>	<b>ODP Leg 194 Site 1195B</b>	SCHLUMBERGER DEPTH	949.5 m
		DEPTH DRILLER	951.24 m

WELL:

APS Log 101, Ore 1000

FIELD: Marion Plateau

Country: Australia

Ocean: Pacific Ocean

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KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-430.8 m



# APS/HLDS Porosity Log