COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1196A

FIELD: Marion Plateau

Country: Australia Ocean: Pacific Ocean

Country: Australia
Field: Marion Plateau
Location: Rig- Joides Resolution
Well: ODP Leg 194, Site 1196A
Company: Lamont Doherty

Schlumberger

APS/HLDS Porosity

LOCATION

Rig- Joides Resolution

Elev.: K.B. 11.3 m
G.L. -315.2 m
D.F. 11 m

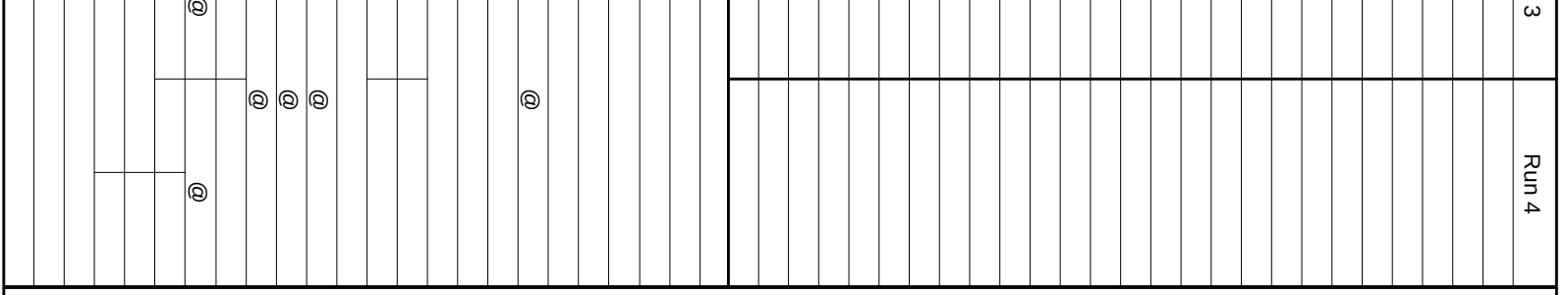
Permanent Datum: GROUND LEVEL
Log Measured From: DES
Drilling Measured From: DES

Elev.: _____ above Perm. Datum

API Serial No.	SECTION	TOWNSHIP	RANGE

Logging Date			2/3/01					
Run Number			1					
Depth Driller			987.4 m					
Schlumberger Depth			821 m					
Bottom Log Interval			819 m					
Top Log Interval			307 m					
Casing Driller Size @ Depth			0.000 in	@	387 m		@	
Casing Schlumberger			386 m					
Bit Size			9.875 in					
Type Fluid In Hole			SEPIOLITE					
MUD	Density	Viscosity	1.1 g/cm3					
	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		2/3/01		0700			
Logger On Bottom	Time		2/3/01		See Log			
Unit Number	Location		99	Houston				
Recorded By			Steve Kittredge					
Witnessed By			Heike Delius, Gregor Eberli					

	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			
MUD Density / Viscosity			
MUD Fluid Loss / PH			
MUD 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			



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OTHER SERVICES1	OTHER SERVICES2
OS1: MESTB/LSS	OS1:
OS2: WSTA	OS2:
OS3:	OS3:
OS4:	OS4:
OS5:	OS5:

REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2
Hole Cored With RCB.	
WHC used on all runs.	
Sepiolite mud.	
Log Measured in Meters Below Rig Floor (MBRF).	
Sea Floor Driller- 315.2 MBRF	
Sea Floor Logger- 314 MBRF.	
Total Depth Driller- 987.4 MBRF.	
Total Depth Logger- 821 MBRF.	
Lamont MGT tool was not run.	
Drill Pipe Driller- 387 MBRF.	
Drill Pipe Logger- 386 MBRF.	
High vibrations in drill pipe due to currents.	

RUN 1

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

LOGGED INTERVAL	START	STOP

RUN 2

SERVICE ORDER #:
PROGRAM VERSION:
FLUID LEVEL:

LOGGED INTERVAL	START	STOP

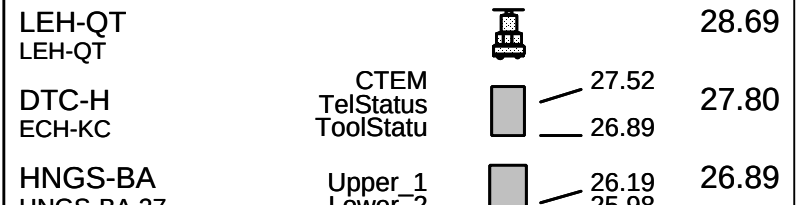
EQUIPMENT DESCRIPTION

RUN 1

SURFACE EQUIPMENT

SFT-281 24
SFT-178 4722
GSR-U 135
WITM (DTS)-A

DOWNHOLE EQUIPMENT



RUN 2

HNGS-BA 27
HNSH-BA 27

Lower_2 25.98

ILE-D 24.39
ILE-D

Status
Minitron
Near TD 19.51
Near Arr 19.43
Near 19.30
Far Arr 19.20
Far
Far TD

APS-BA 21.95
APS-BA 22
APH-AC 22
MNTR-F 4185

NPLC-B 18.01
NPLC-B 79
NPH-B 82

Status 16.78

HLDS 15.56
GSR-Z 1846
HLDV-D 35
HLDS-D 35
HEH-H 35
HLDP-C 12

Caliper
SS LS Status 11.51

DTA-A 10.74
ECH-KE
DTA-A

DIT-E 9.52
DIC-EB 171
MIH-ZA 174
DIS-HB 129

SP 3.15
Deep Ind 2.90
Aux Meas SFL 1.98
Med Ind 1.83
Status HV DF
Tension 0.00

TOOL ZERO

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

Output DLIS Files

DEFAULT	DITE .005	FN:6	PRODUCER	03-Feb-2001 12:48	818.4 M	307.4 M
TCOMBO_CUST	DITE .005	FN:7	PRODUCER	03-Feb-2001 12:48	818.4 M	307.4 M
DEFAULTC	DITE .005	FN:8	PRODUCER	03-Feb-2001 12:48	818.4 M	307.4 M

OP System Version: 9C1-303

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		

MAIN UP LOG

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	LCAL	419.7 14:42:33

PIP SUMMARY

Time Mark Every 60 S

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 100

HLDS Long Spaced Photoelectric Effect (PEFL)
0 (----) 10

HLDS Bulk Density Correction (DRH)
-0.25 (G/C3) 0.25

APS Effective Standoff in Limestone (STOF)
-1 (IN) 4

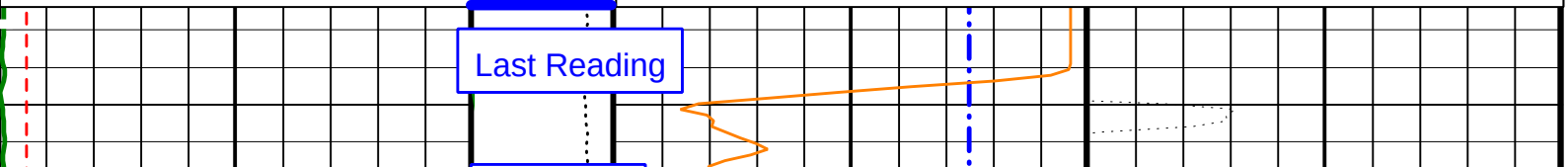
HLDS Bulk Density (RHOM)
3 (G/C3) 1

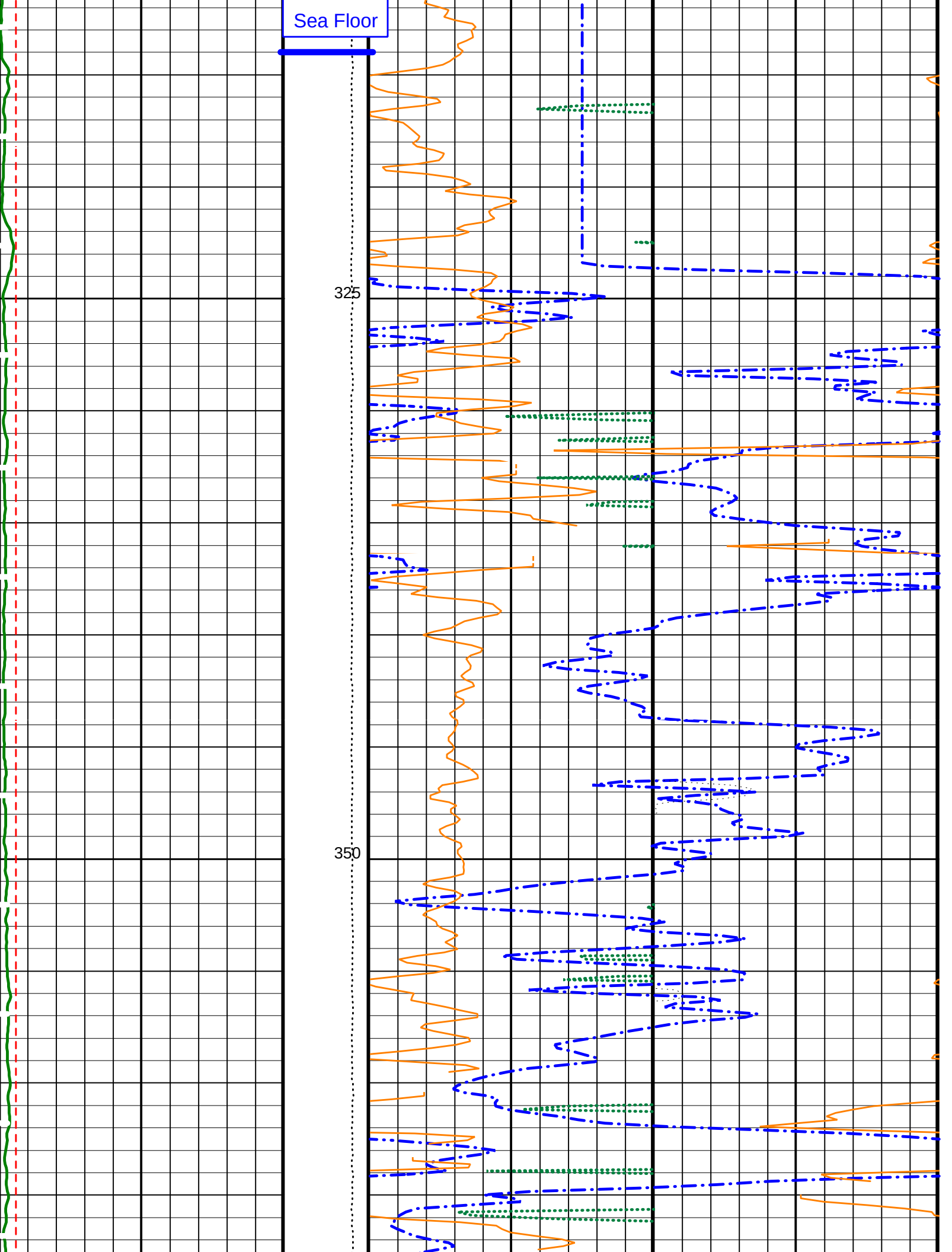
HLDS Caliper (LCAL)
0 (IN) 20

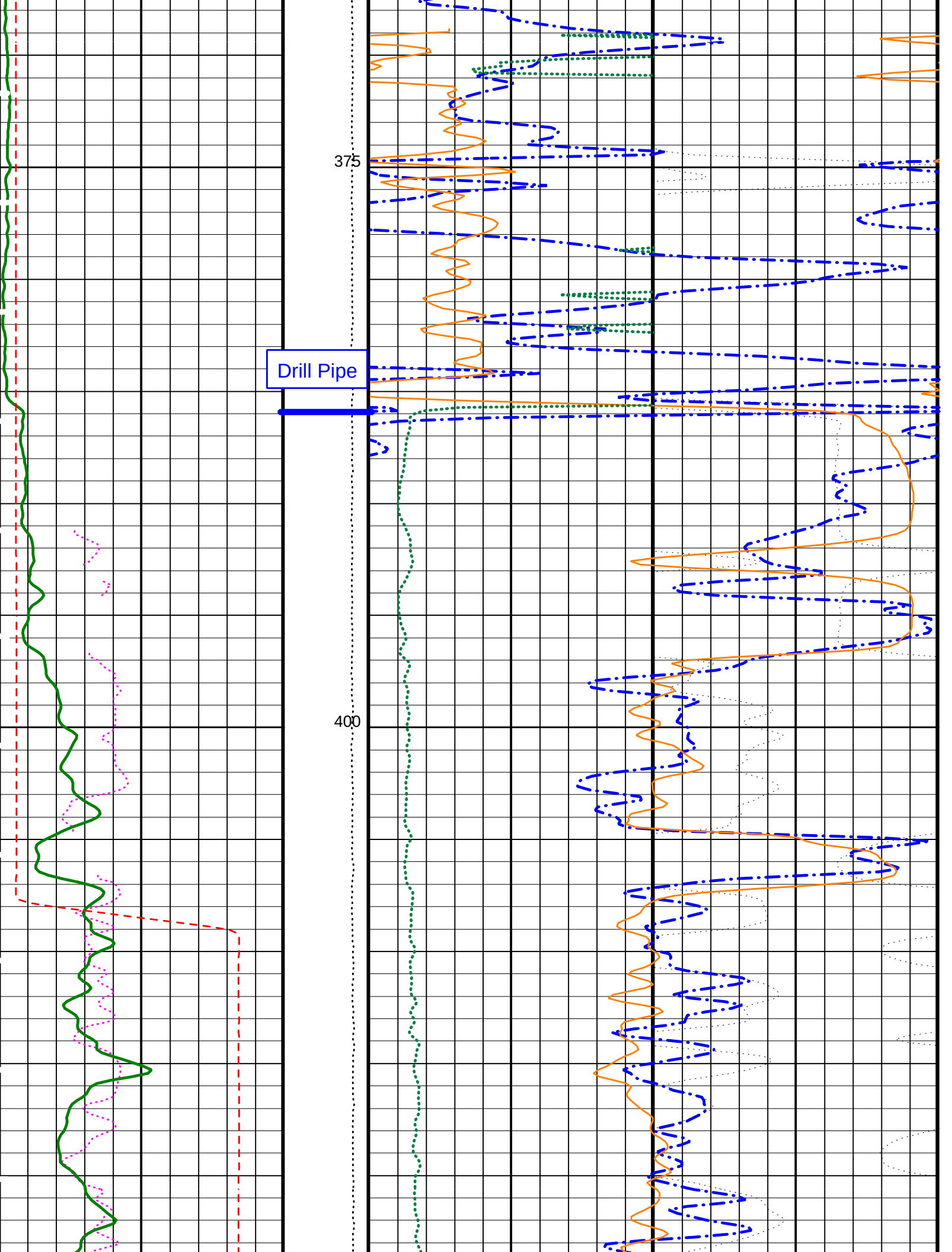
Tension (TENS) (LBF)
10000 0

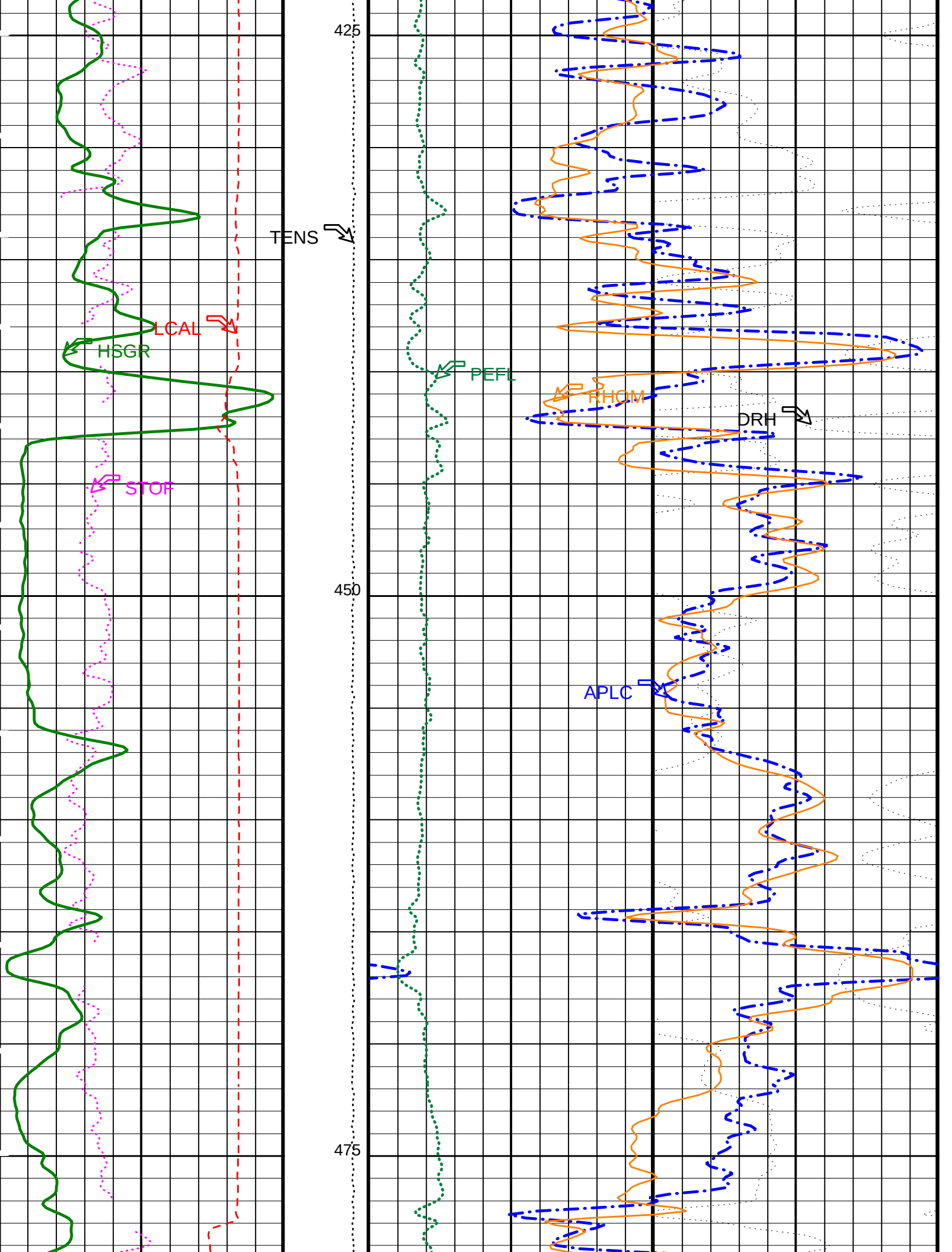
APS Near/Array Corrected Limestone Porosity (APLC)
0 (PU) 100

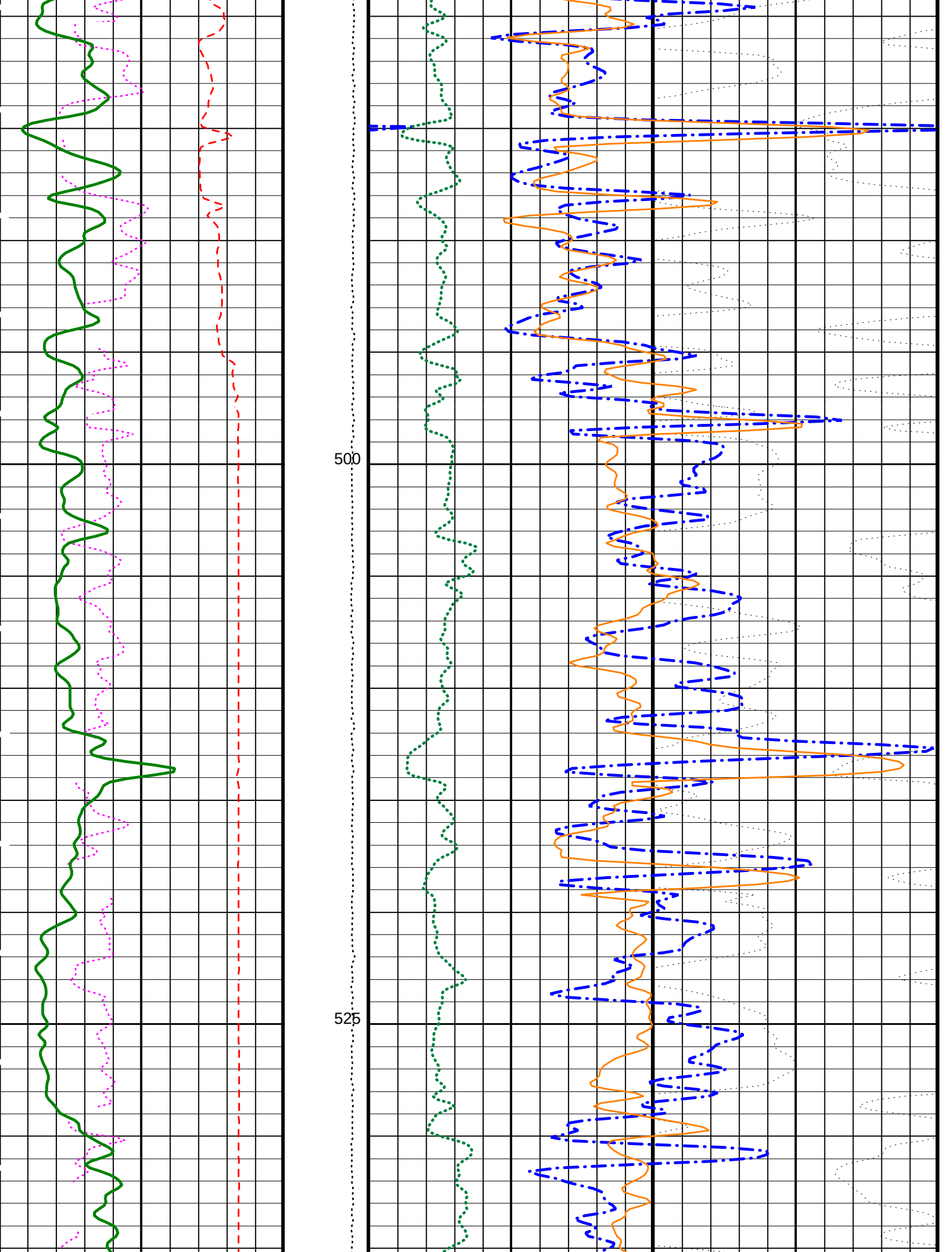
Last Reading

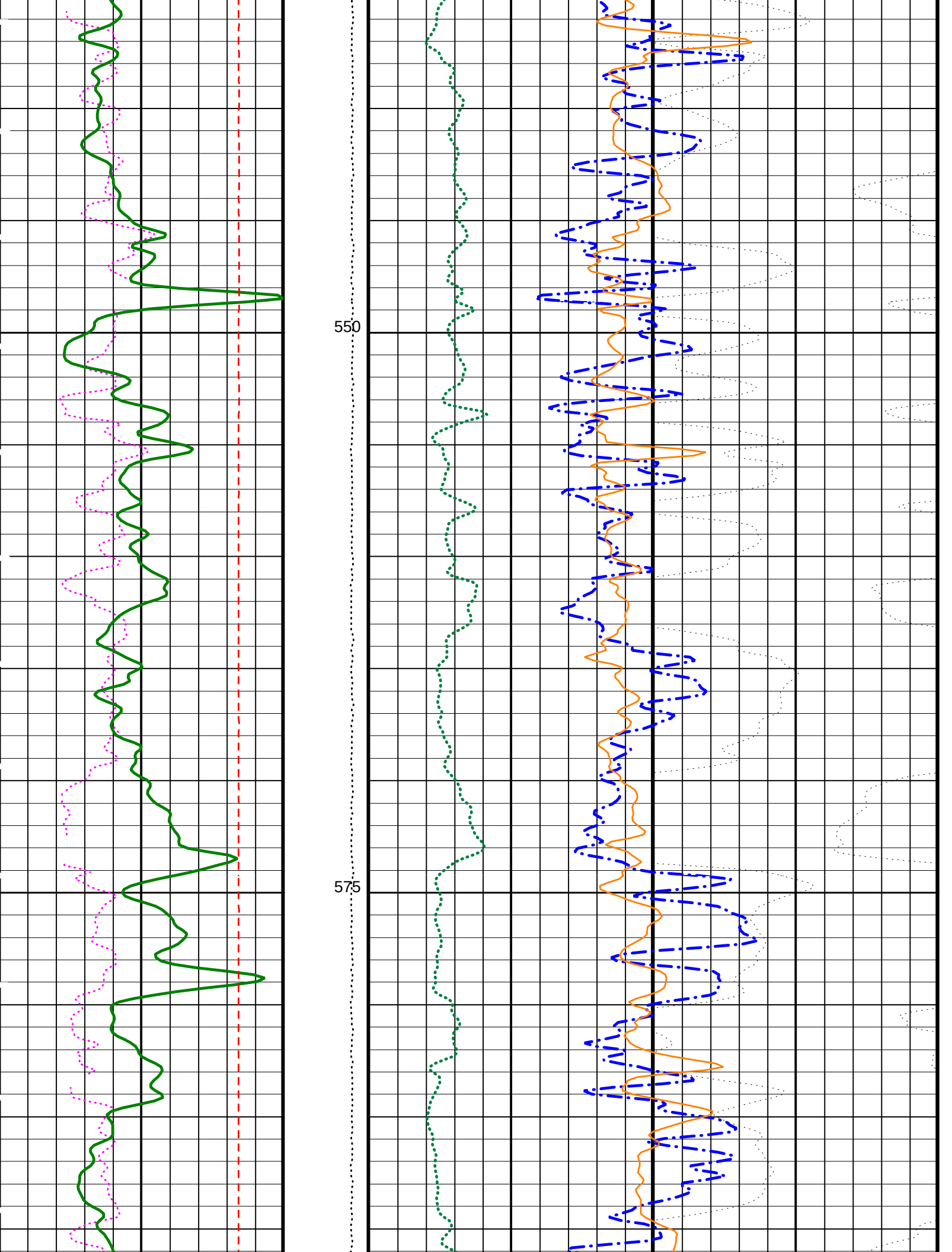


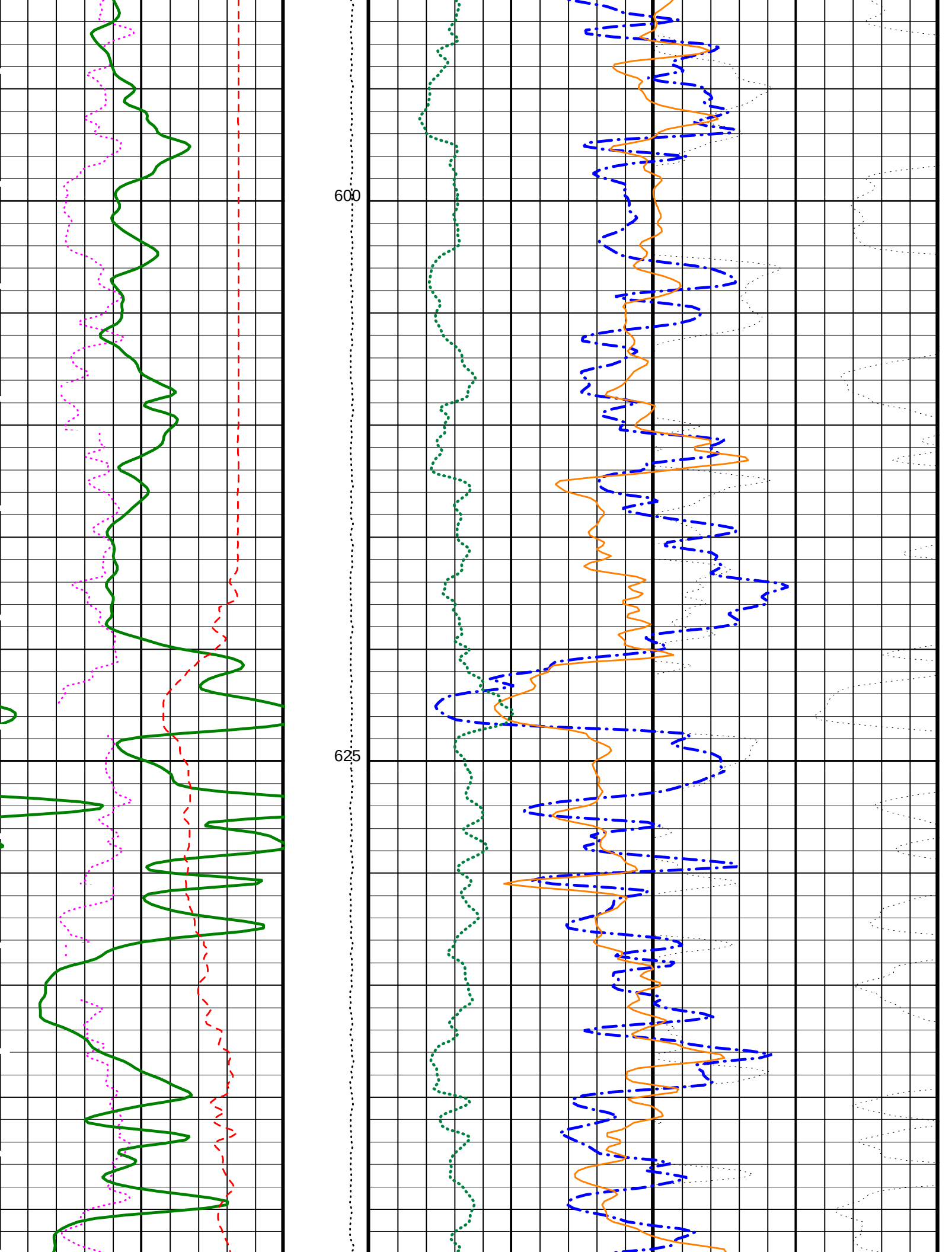

Sea Floor
325
350

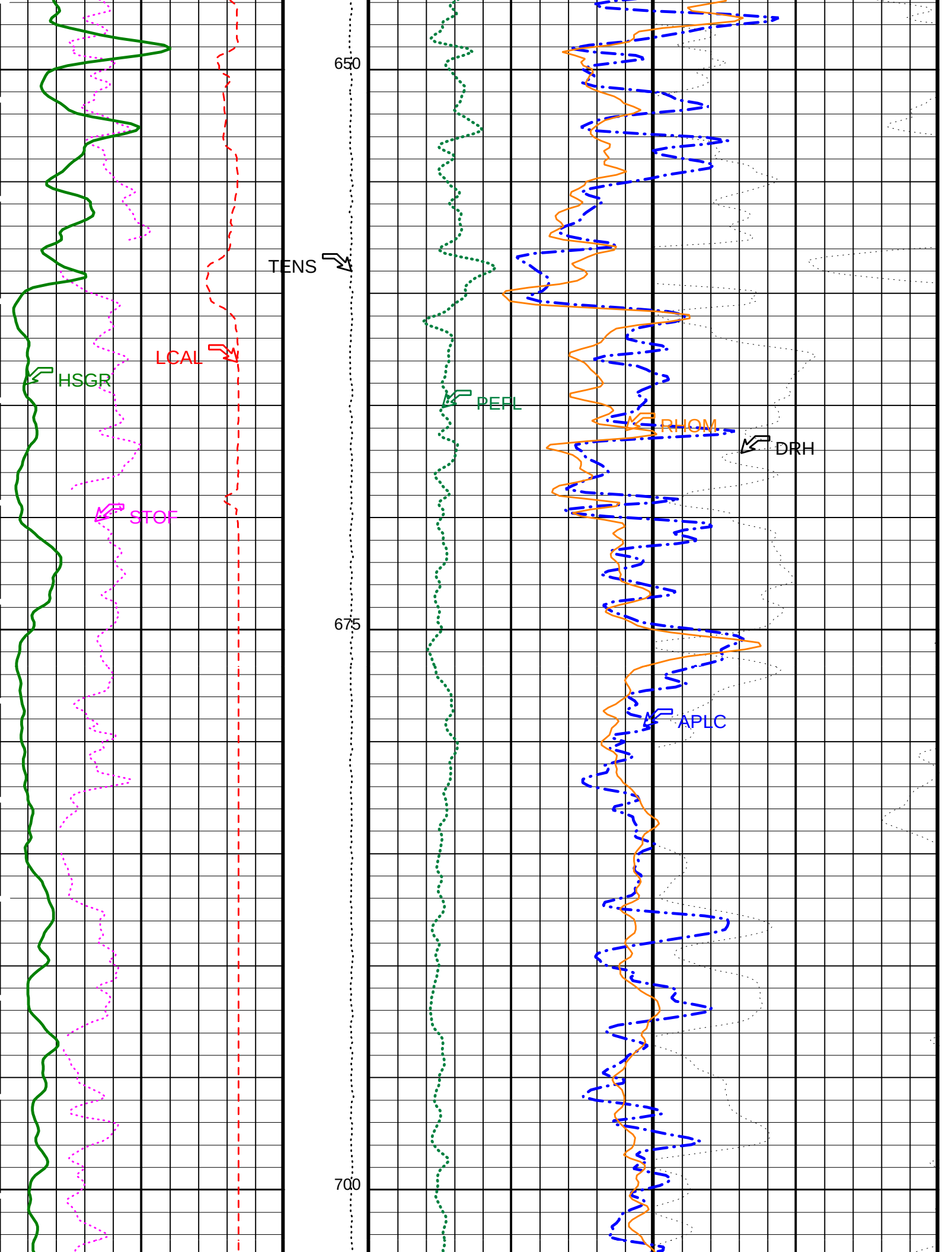

375
Drill Pipe
400

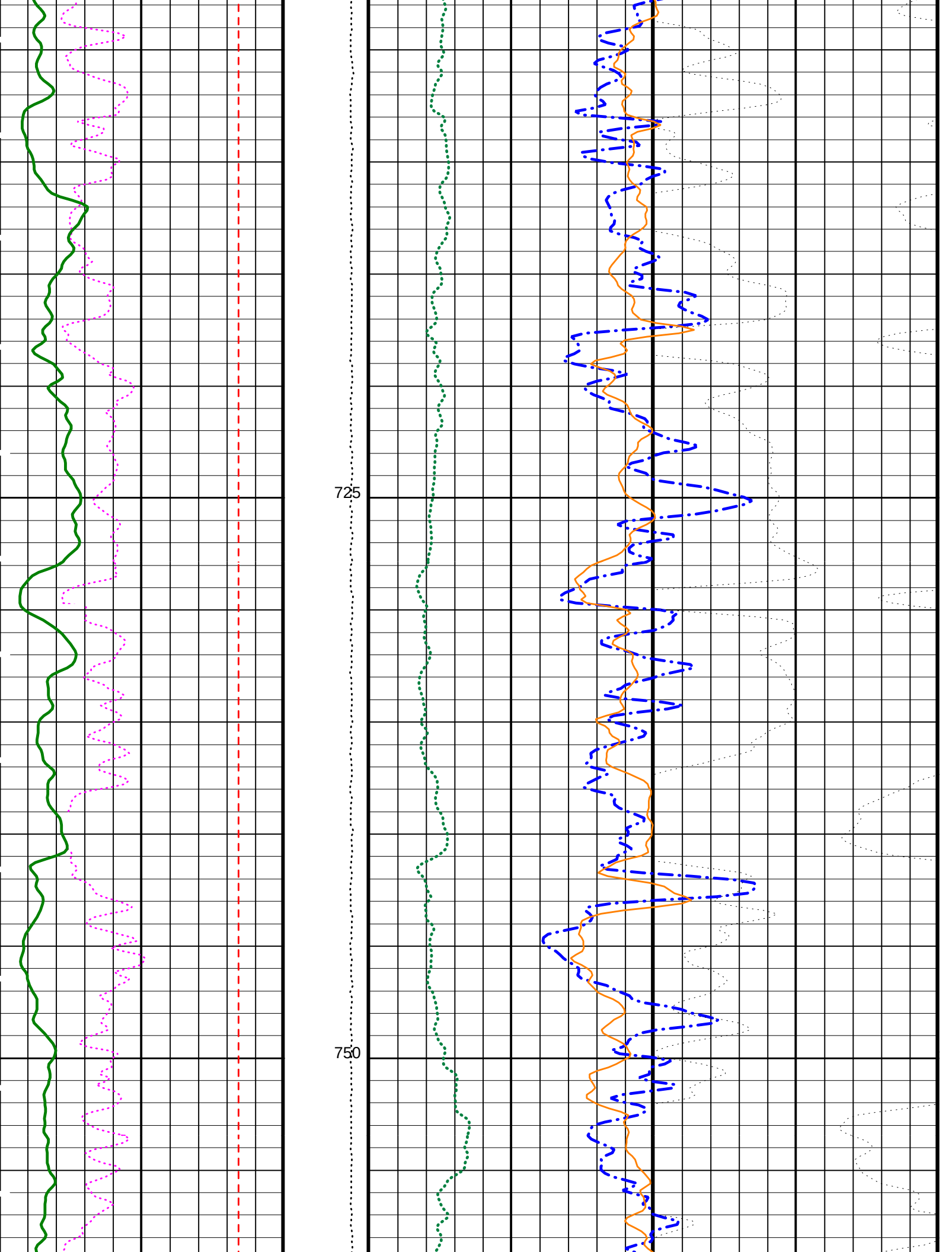

425
TENS
LCAL
HSGR
PEFL
RHOM
DRH
STOF
450
APLC
475

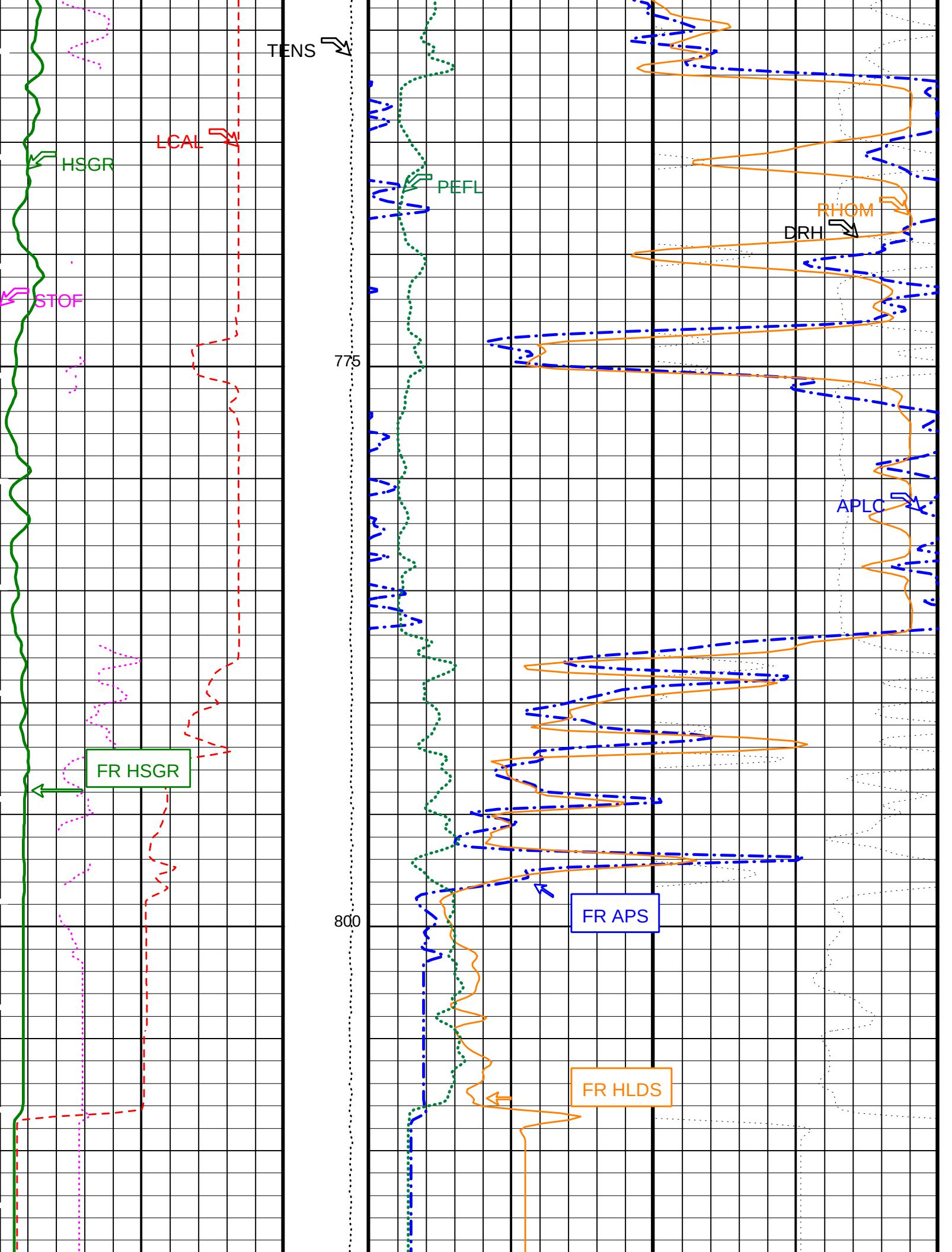

500
525

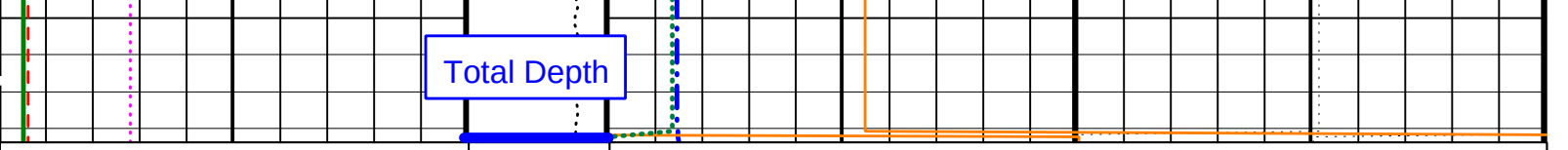

550
575


600
625


650
675
700
TENS
HSGR
LCAL
STOF
PEFL
RHOM
DRH
APLC


725
750


TENS
LCAL
HSGR
PEFL
RHOM
DRH
STOF
APLC
775
FR HSGR
FR APS
800
FR HLDS



HLDS Caliper (LCAL)
0 (IN) 20

Tension (TENS) (LBF)
10000 0

APS Near/Array Corrected Limestone Porosity (APLC)
0 (PU) 100

APS Effective Standoff in Limestone (STOF)
-1 (IN) 4

HLDS Bulk Density (RHOM)
3 (G/C3) 1

HNGS Spectroscopy Gamma Ray (HSGR)
0 (GAPI) 100

HLDS Long Spaced Photoelectric Effect (PEFL)
0 (----) 10

HLDS Bulk Density Correction (DRH)
-0.25 (G/C3) 0.25

PIP SUMMARY

Time Mark Every 60 S

Parameters

DLIS Name	Description	Value	
	APS Software Version	5	
	HLDS Spec Message Rate	1	
	HLDS Diag Message Rate	20	
	HLDS Data Control	AcquiredData	
	HLDS SS NCB Mode	Density	
	HLDS LS NCB Mode	Density	
	HLDS SS Tri-Ported Memory State	Enable	
	HLDS LS Tri-Ported Memory State	Enable	
	APS Cement Thickness Source	COMPUTED	
	Apparent Thickness of Cement	0	IN
	HLDS SS Digital Integrator State	Normal	
	HLDS LS Digital Integrator State	Normal	
AASD	APS Thermal and Array Detectors High Voltage Setting	1968.98	V
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	V
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	V
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	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	-0.000746505	
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	2.80404e-031	
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	0.000135419	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	20	DEGC
TD	Total Depth	987	M
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.01354	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.951953	

Format: APSLiquidPorosity_1 Vertical Scale: 1:200 Graphics File Created: 03-Feb-2001 12:48

OP System Version: 9C1-303

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	.005	FN:6	PRODUCER	03-Feb-2001 12:48
TCOMBO_CUST	DITE	.005	FN:7	PRODUCER	03-Feb-2001 12:48
DEFAULTC	DITE	.005	FN:8	PRODUCER	03-Feb-2001 12:48

COMPANY: Lamont Doherty

WELL: ODP Leg 194, Site 1196A

FIELD: Marion Plateau

Country: Australia

Ocean: Pacific Ocean

BOTTOM LOG INTERVAL	819 m
SCHLUMBERGER DEPTH	821 m
DEPTH DRILLER	987.4 m
KELLY BUSHING	11.3 m
DRILL FLOOR	11 m
GROUND LEVEL	-315.2 m

Schlumberger

APS/HLDS Porosity