

Schlumberger

Company: Lamont Doherty

Well: IODP EXP 308 Site 1320A

Field: Brazos Trinity Basin

Country: USA Ocean: Gulf Of Mexico

APS/HLDS Porosity

Country: USA
 Field: Brazos Trinity Basin
 Location: Rig- Joides Resolution
 Well: IODP EXP 308 Site 1320A
 Company: Lamont Doherty

LOCATION		Elev.:	K.B.	11.3 m
Rig- Joides Resolution			G.L.	-1480.4 m
			D.F.	0 m
Permanent Datum:	GROUND LEVEL	Elev.:	0 m	
Log Measured From:	DES		11.3 m	above Perm. Datum
Drilling Measured From:	DES			
API Serial No.	Max. Hole Devi.	Longitude	Latitude	
		W 94 23.2524	N 27 18.0816	

Logging Date	Run 1	Run 2	Run
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			
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			

Logging Date	
Run Number	1
Depth Driller	1780 m
Schlumberger Depth	1776 m
Bottom Log Interval	1774 m
Top Log Interval	1461 m
Casing Driller Size @ Depth	0.000 in @ 1541.9 m
Casing Schlumberger	1540 m
Bit Size	9.875 in
Type Fluid In Hole	Sepiolite
Density	1.066 g/cm3
Fluid Loss	0 cm3
PH	
Source Of Sample	
RM @ Measured Temperature	0.177 ohm.m @ 23 degC
RMF @ Measured Temperature	0.158 ohm.m @
RMC @ Measured Temperature	0.149 ohm.m @
Source RMF	RMC
RM @ MRT	0.199 @ 18 @ 18
Maximum Recorded Temperatures	18 degC
Circulation Stopped	Time 6/9/05 1800
Logger On Bottom	Time 6/10/05 See Log
Unit Number	99 Houston
Recorded By	Steve Kittredge
Witnessed By	Gerry Iturnino

Logging Date	Run 1	Run 2	Run
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			
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/SGTN OS2: WSTA OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:
---	---

REMARKS: RUN NUMBER 1 Hole Cored With APC. All depths in Meters Below Rig Floor (MBRF). Hole flushed with Sepiolite Sea Floor Driller- 1480.4 MBRF. Sea Floor Logger- 1478 MBRF. Total Depth Driller- 1780 MBRF. Total Depth Logger- 1776 MBRF. Casing Bottom Driller- 1541.9 MBRF. Casing Bottom Logger- 1540 MBRF. Had Problems getting past washout at 1654.5 MBRF. Had some overpull coming through the sealbore with Go-Devil on bottom. After entering pipe the WHC was accidentally turned off allowing the sheave wheel to stroke out. This put the tool off depth 3 meters making the DITE sea floor measurement too shallow.	REMARKS: RUN NUMBER 2
---	-----------------------

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION: 12C0-301			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1		RUN 2	
SURFACE EQUIPMENT			
SFT-281 6250 SFT-178 6250 GSR-U 135 WITM (DTS)-A			

DOWNHOLE EQUIPMENT			
LEH-QT			29.91
LEH-QT			
DTC-H	CTEM		28.74
ECH-KC 9841	TelStatus		29.02
	ToolStatu		28.11
HNGS-BA	Upper_1		27.41
HNGS-BA 27	Lower_2		27.19
			28.11

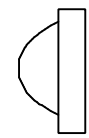
INGS-BA 27

HNSH-BA 27

Lower 2

27.15

ILE-D
ILE-D 25



25.61

APS-C
APH-AC 104
APS-C 202
MNTR-F 5124

Status
Minitron
Near TD
Near Arr
Near
Far Arr
Far
Far TD



23.17

20.73
20.65
20.52
20.42

NPLC-B
NPLC-B 79
NPH-B 82

Status

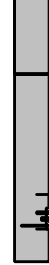


18.00

19.23

HLDS
GSR-Z 2326
HLDV-D 35
HLDS-D 35
HEH-H 35
HLDP-C 35

Caliper
SS LS Status



12.73

16.78

DTA-A
ECH-KE
DTA-A 8261



11.96

GPIT-A/B
GPIC-A 840
GPIH-A



10.74

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



9.52

SP
Deep Ind
Aux Meas SFL
Med Ind



3.15
2.90
1.98
1.83

HV DF
Status GPIT
Tension



0.00

TOOL ZERO

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

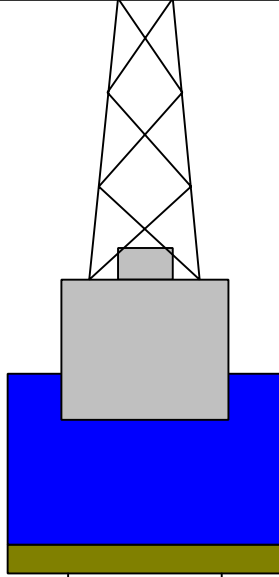
Production String	(in)	(m)	Well Schematic	(m)	(in)	Casing String
	OD	ID		MD	MD	

Kelly Bushing Elevation

11.3

Mean Sea Level

0.0



0.0 5.500 4.000

Casing String

1480.4 5.500 4.000
1480.4 9.875

Casing Shoe
Borehole Segment

1780.0 9.875

Borehole Segment Bottom



Schlumberger

MAIN PASS

MAXIS Field Log

Output DLIS Files

DEFAULT	PI_LDL_APS_NGS_029LUP	FN:10	PRODUCER	10-Jun-2005 00:18	1776.2 M	1461.1 M
---------	-----------------------	-------	----------	-------------------	----------	----------

OP System Version: 12C0-301
MCM

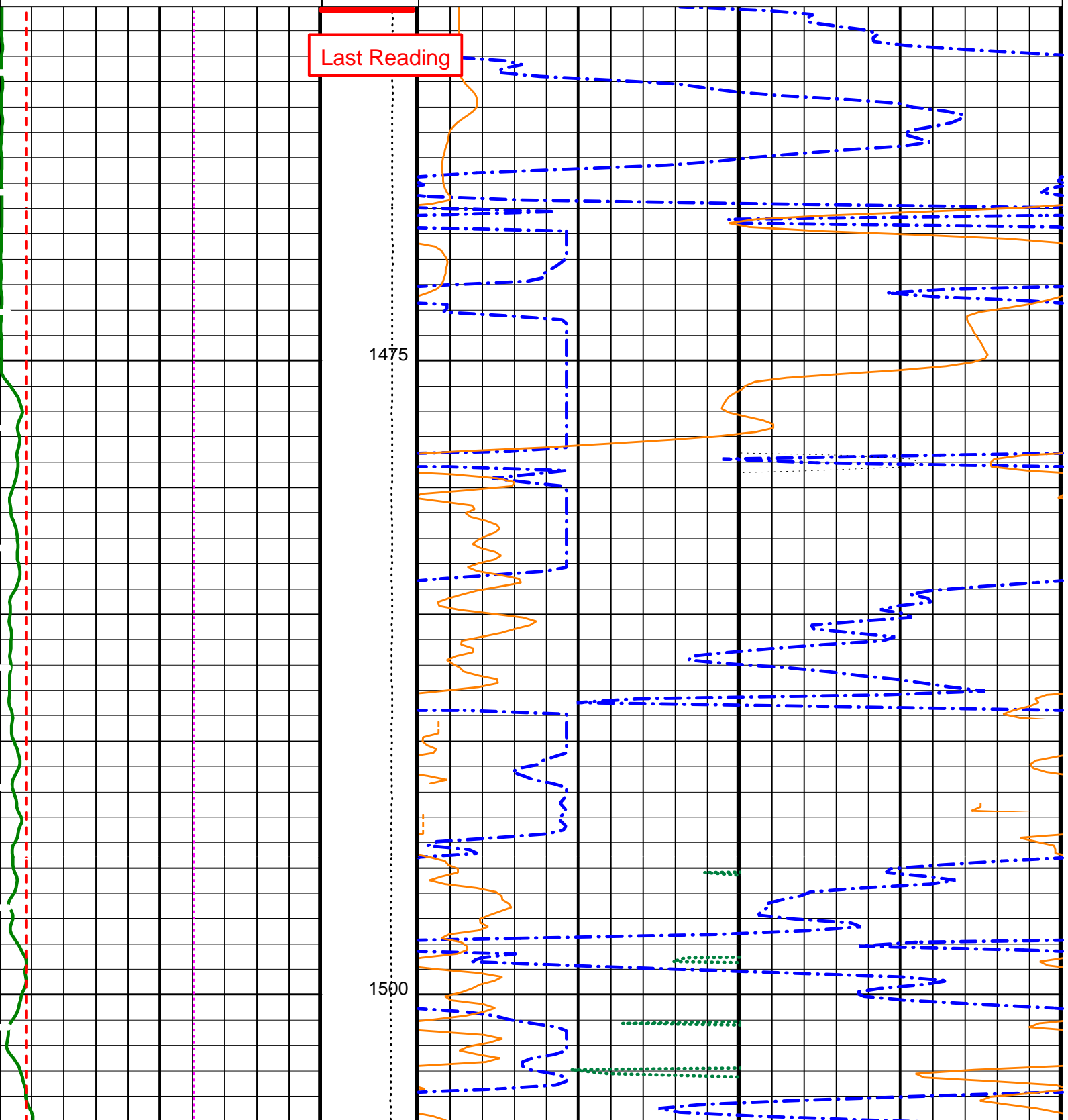
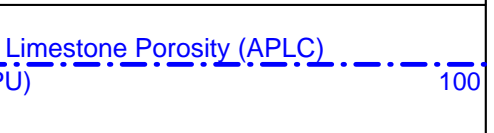
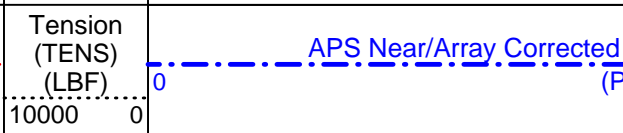
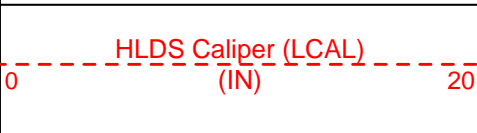
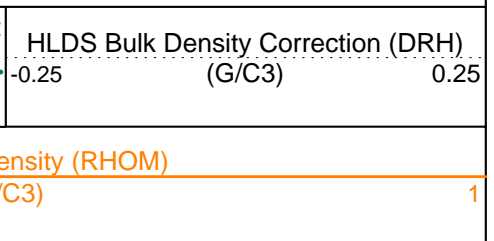
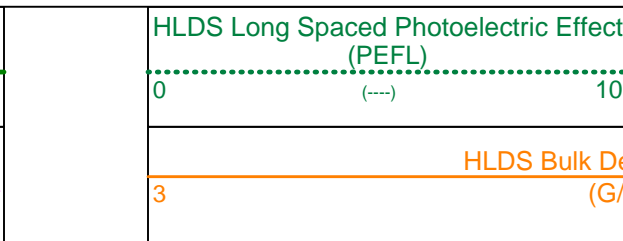
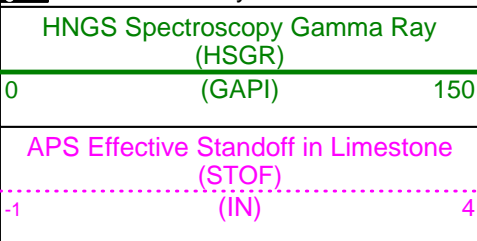
DIT-E	12C0-301	GPIT-A/B	12C0-301
DTA-A	12C0-301	HLDS	12C0-301
NPLC-B	12C0-301	APS-C	12C0-301
HNGS-BA	12C0-301	DTC-H	12C0-301

Changed Parameter Summary

DLIS Name	New Value	Previous Value	Depth & Time
GCSE	BS	LCAL	1577.1 01:06:44

PIP SUMMARY

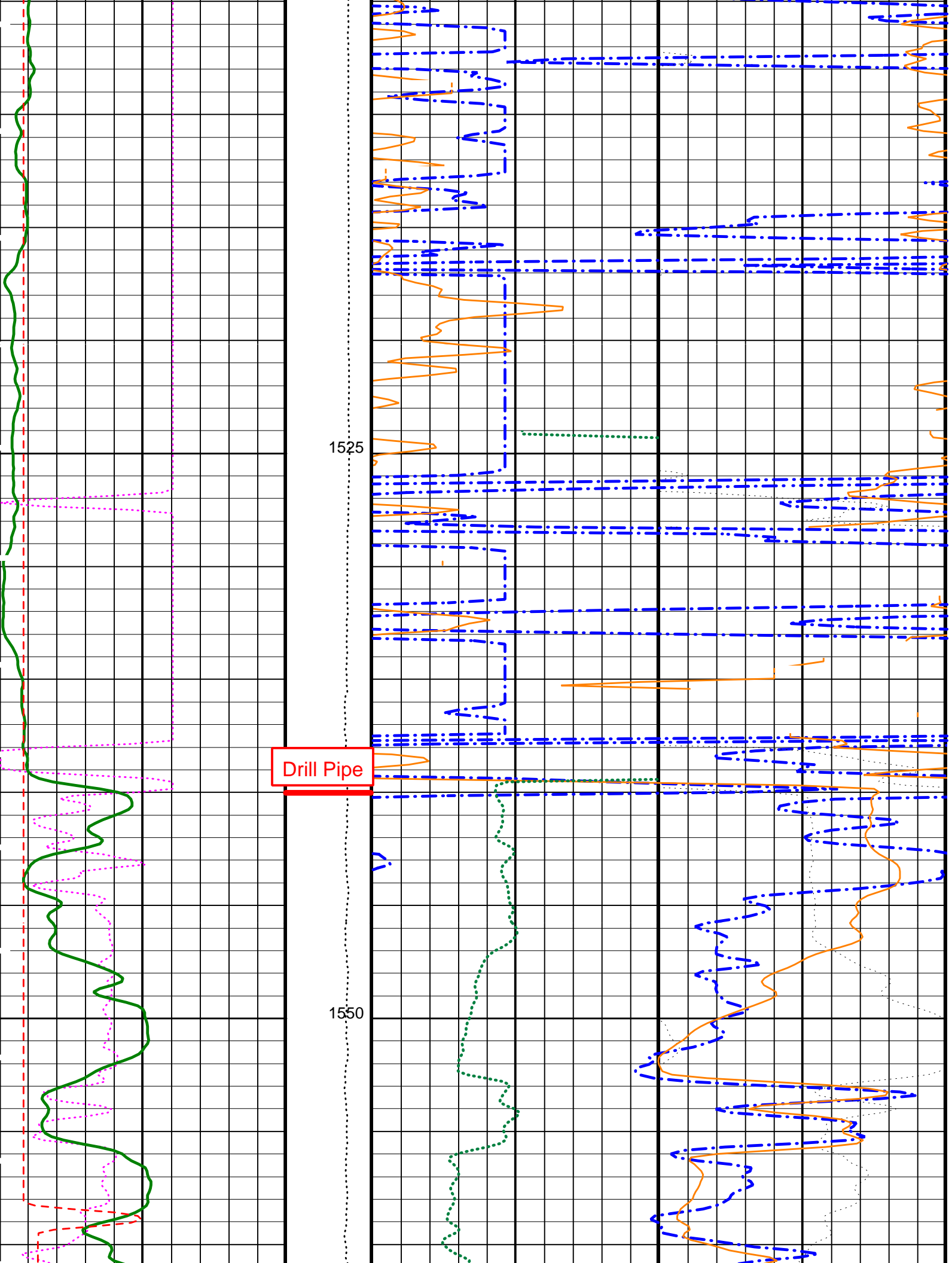
Time Mark Every 60 S

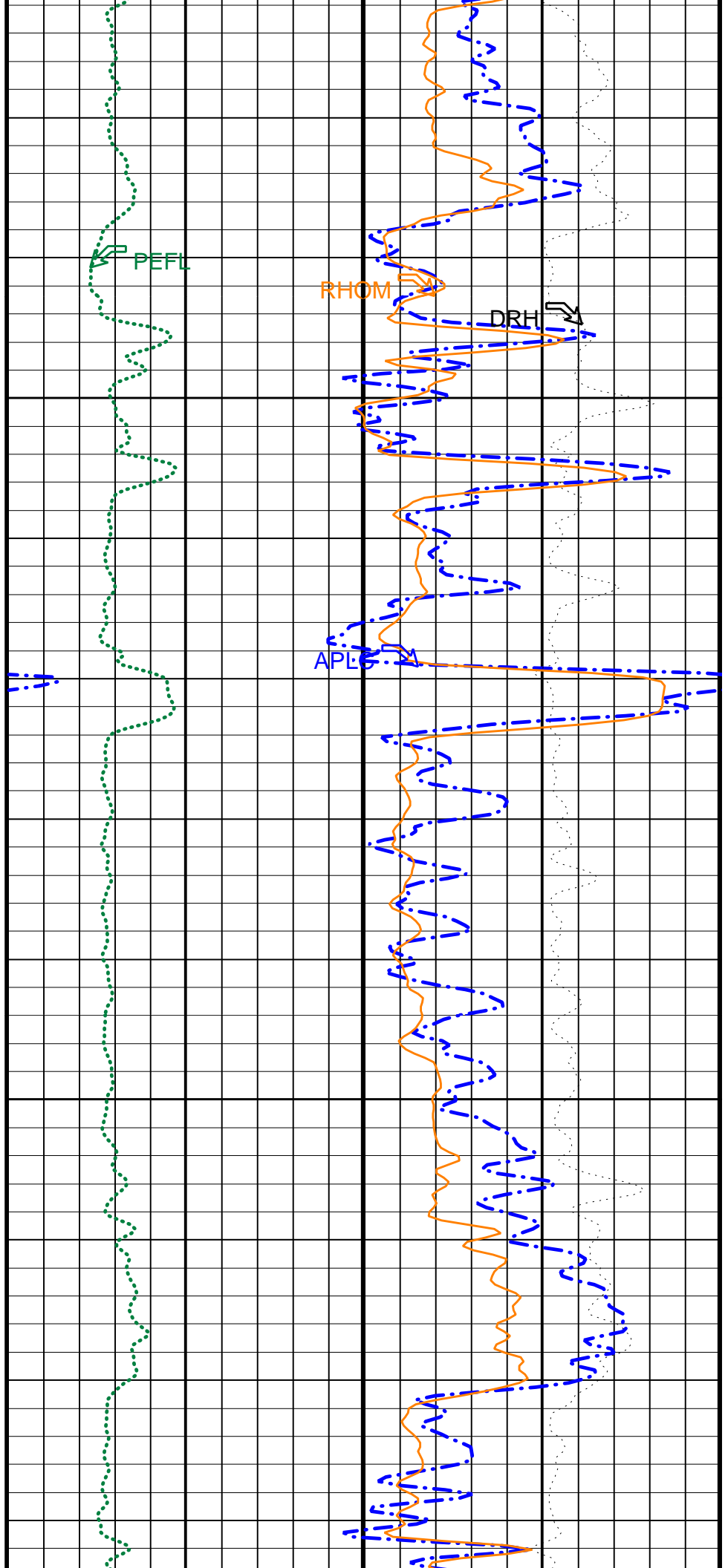
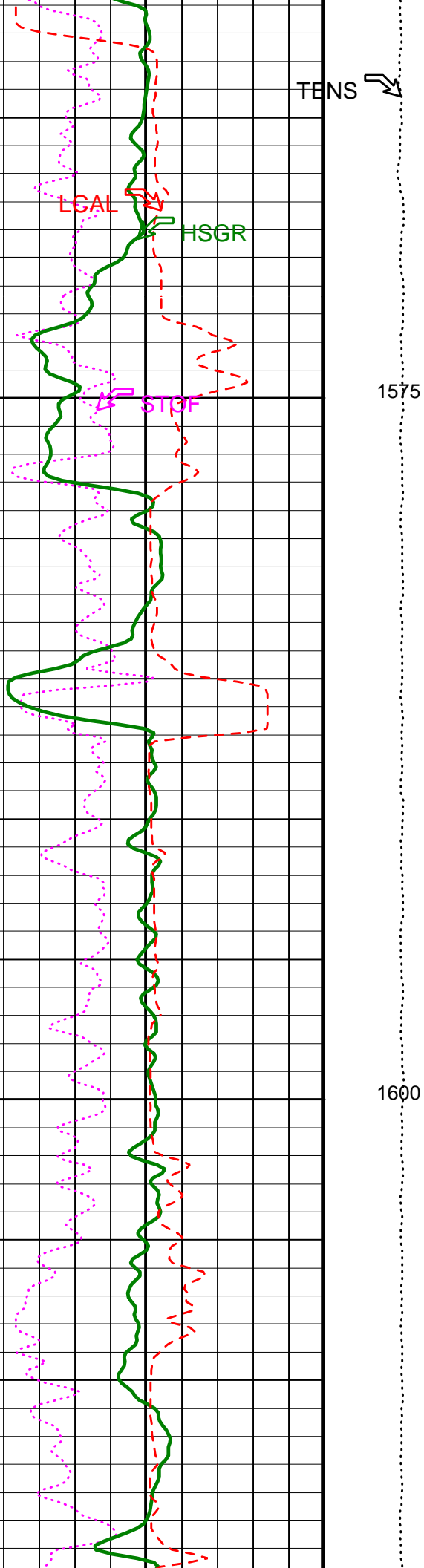


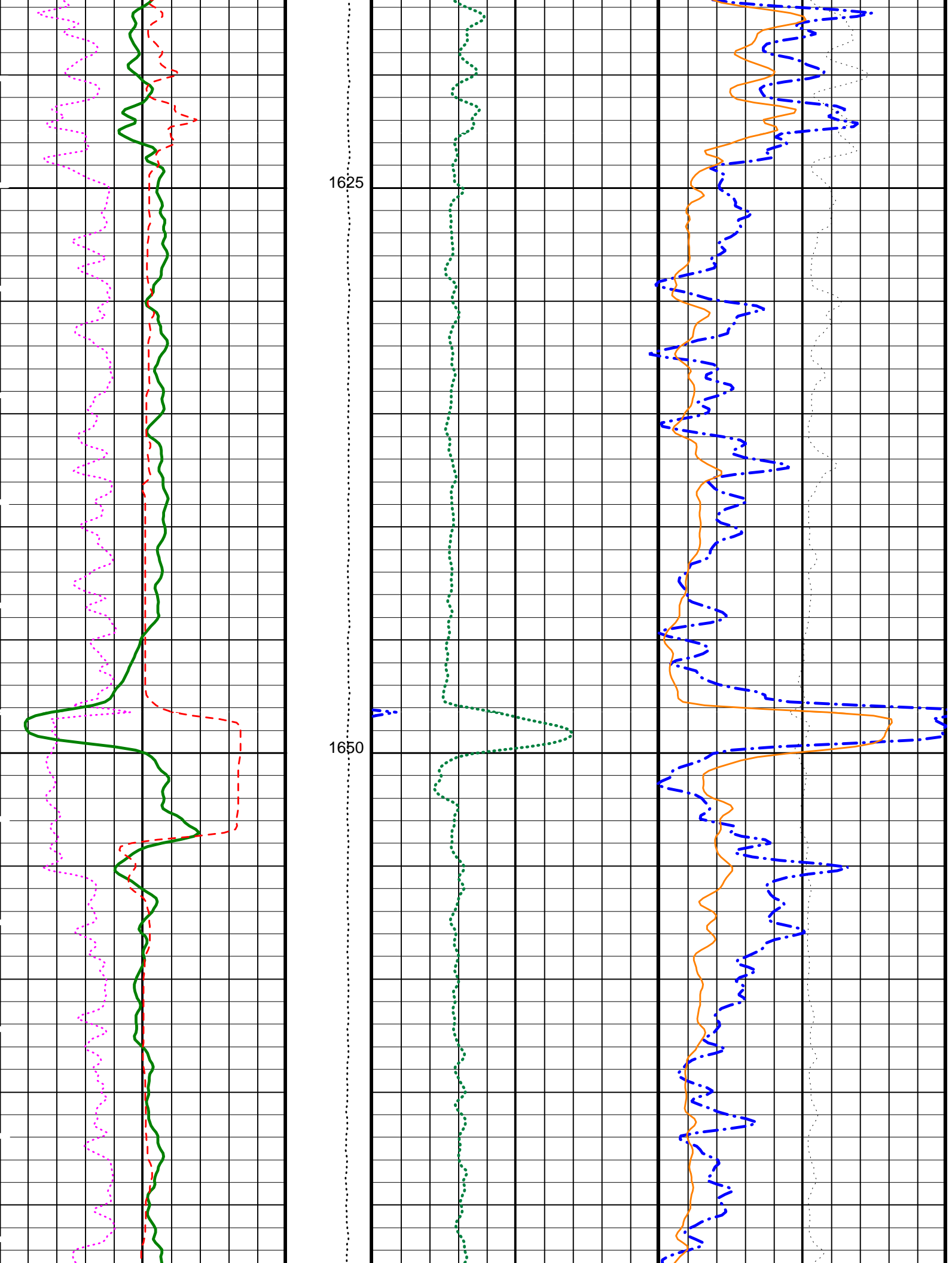
Last Reading

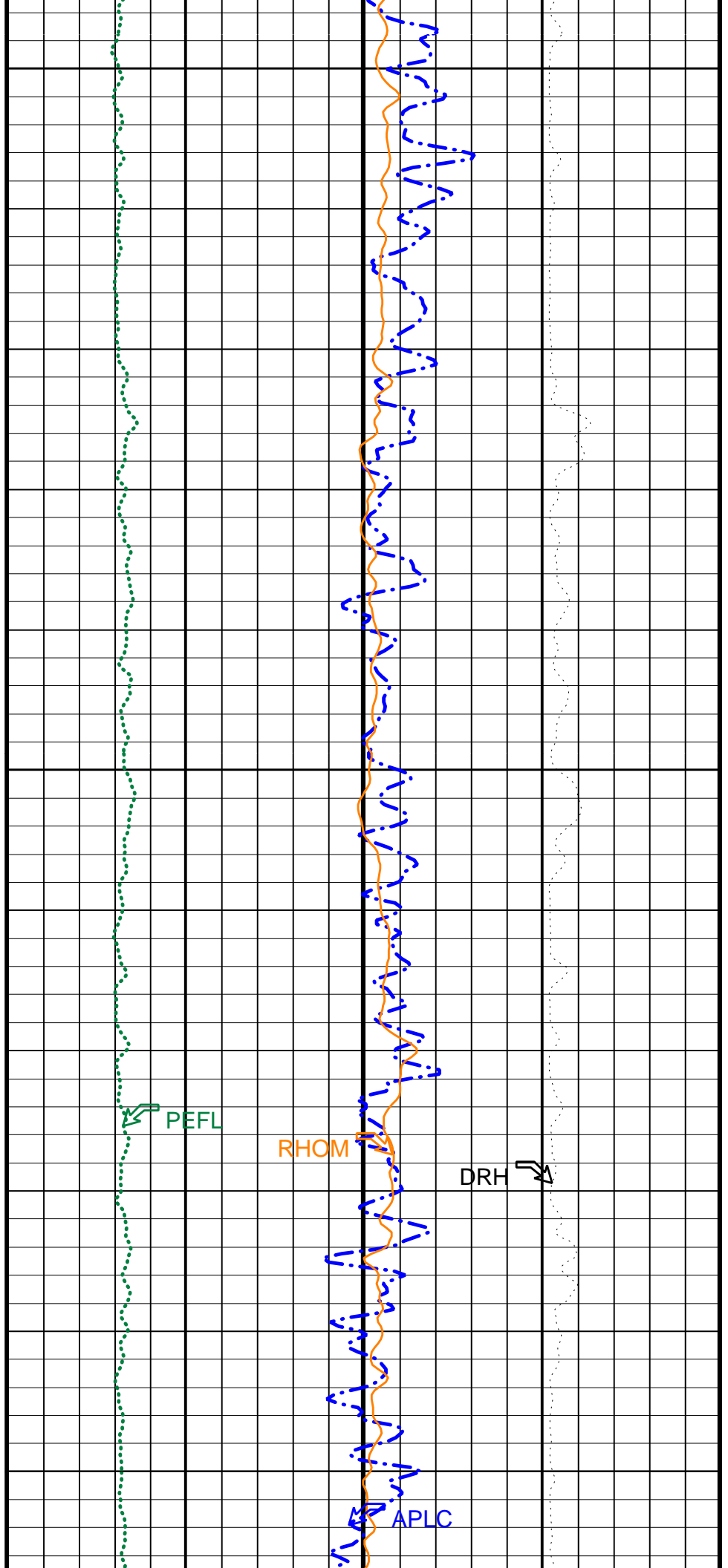
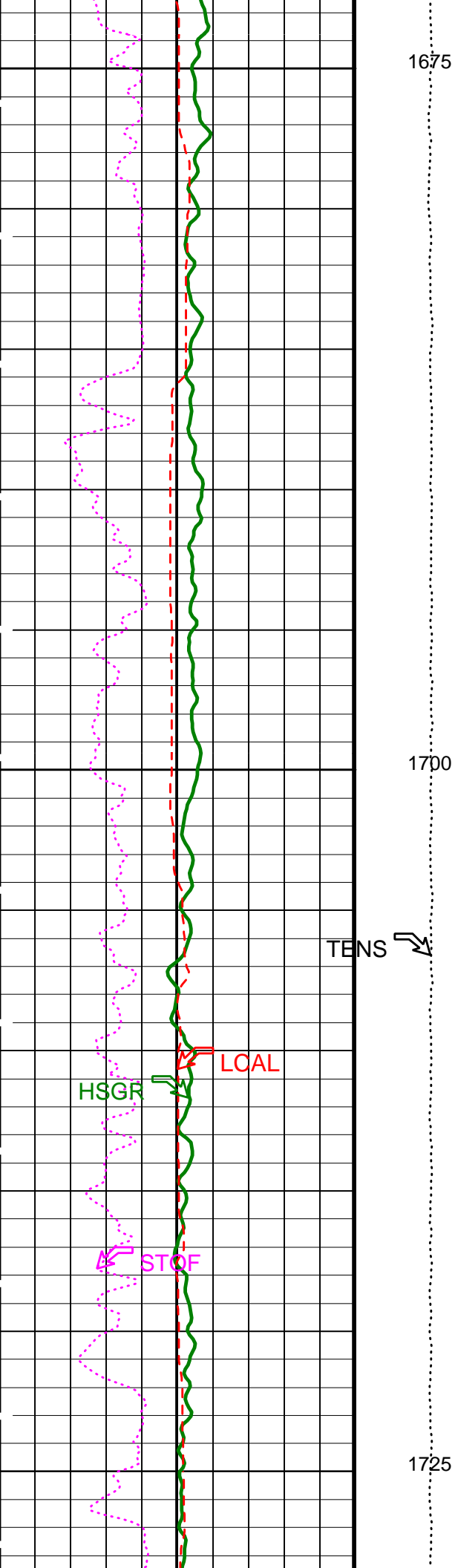
1475

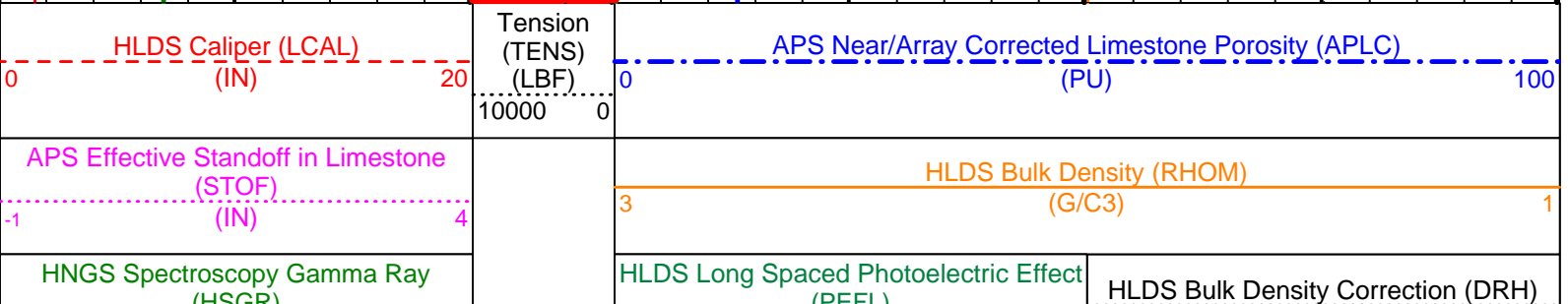
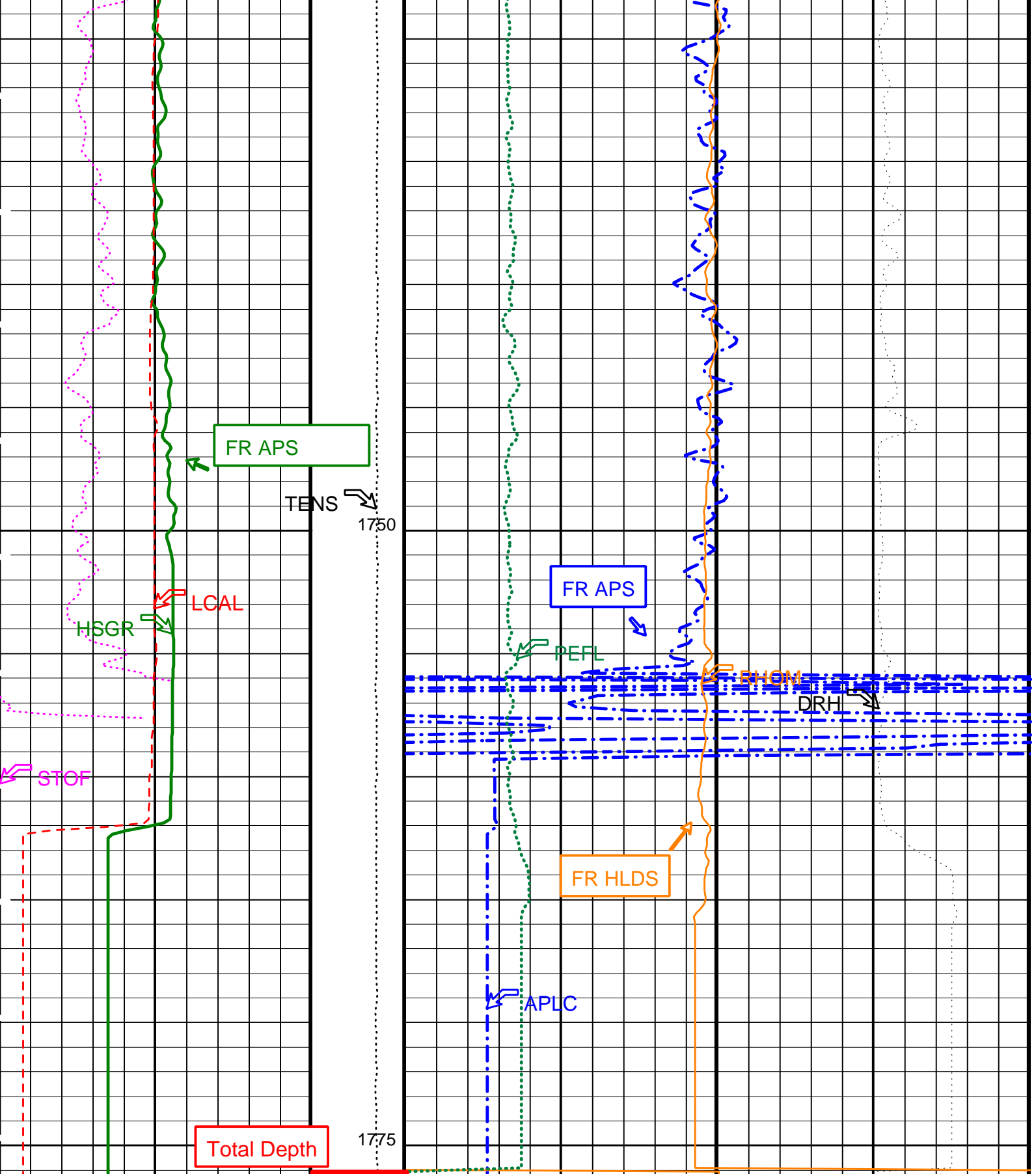
1500











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)	25	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-C: Accelerator-Porosity Tool			
	APS Software Version	5	
AASD	APS Thermal and Array Detectors High Voltage Setting	1972.6	V
ADSO	APS Array Detectors Data Source Switch	Both	
AFSD	APS Far Detector High Voltage Setting	2081.84	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	1741.14	V
ASOS	APS Standoff Correction Switch	ON	
ATSS	APS Temperature-Pressure-Salinity Correction Switch	OFF	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	25	DEGC
DPPM	Density Porosity Processing Mode	HIRS	
FSAL	Formation Salinity	22000	PPM
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	
NARC	APS Near/Array Calibration Ratio	0.987923	
NARC	APS Near/Far Calibration Ratio	0.9547	
SHT	Surface Hole Temperature	20	DEGC
HNGS-BA: Hostile Natural Gamma Ray Sonde			
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)	25	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	-0.000855322	
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	0.996435	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.979892	
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	25	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

System and Miscellaneous

BS	Bit Size	9.875	IN
BSAL	Borehole Salinity	22000.00	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	1780	M

Format: APSLiquidPorosity_1 Vertical Scale: 1:200 Graphics File Created: 10-Jun-2005 00:18

OP System Version: 12C0-301

MCM

DIT-E	12C0-301	GPIT-A/B	12C0-301
DTA-A	12C0-301	HLDS	12C0-301
NPLC-B	12C0-301	APS-C	12C0-301
HNGS-BA	12C0-301	DTC-H	12C0-301

Output DLIS Files

DEFAULT PI_LDL_APS_NGS_029LUP FN:10 PRODUCER 10-Jun-2005 00:18

Company: Lamont Doherty

Well: IODP EXP 308 Site 1320A

Field: Brazos Trinity Basin

Country: USA

Ocean: Gulf Of Mexico



APS/HLDS Porosity