

COMPANY: Lamont Doherty

WELL: ODP Leg 189, Site 1171D (STR-2A)

FIELD: Tasmanian Seaway, West Tasmania Site

COUNTRY: Offshore **STATE:** Indian Ocean



Density/APS Porosity
Gamma Ray

COUNTY: Offshore
Field: Tasmanian Seaway, West Tasm
Location:
Well: ODP Leg 189, Site 1171D (STR-2A)
Company: Lamont Doherty

LOCATION		Elev.:	K.B.	11.2 m
Permanent Datum:	MSL		G.L.	-2148 m
Log Measured From:	RKB		D.F.	10.9 m
Drilling Measured From:	RKB	Elev.: 0 m		
				11.2 m above Perm. Datum
API Serial No.	LATITUDE: 48° 29.9975' S	LONGITUDE: 149° 6.7222' E	RIG: JOIDES Resolution	

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			
RM @ MRT	@		
RMF @ MRT		@	
Maximum Recorded Temperatures			
Circulation Stopped			
Time			
Logger On Bottom			
Time			
Unit Number			
Location			
Recorded By			
Witnessed By			

Logging Date	21-APR-2000		
Run Number	One		
Depth Driller	3117.8 m		
Schlumberger Depth	3118 m		
Bottom Log Interval	3103 m		
Top Log Interval	2310 m		
Casing Driller Size @ Depth	0.000 in	@	2310 m
Casing Schlumberger	2310 m		
Bit Size	9.875 in		
Type Fluid In Hole	Salt Water Base		
Density	8.51234 lbm/gal		
Fluid Loss	PH		
Source Of Sample	Salt water		
RM @ Measured Temperature	0.232 ohm.m	@	58 degF
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	0.127 @ 111		
RMF @ MRT		@ 111	
Maximum Recorded Temperatures	44.1 degC		
Circulation Stopped	21-APR-2000		0:00
Time			
Logger On Bottom	21-APR-2000		3:30
Time			
Unit Number	99	Houston OS	
Location			
Recorded By	Kerry M. Swain		
Witnessed By	Patrick Fothergill, Ulysses S. Ninnemann		


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			
PH			
Source Of Sample			
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMC @ Measured Temperature		@	
Source RMF			
RM @ MRT		@	
RMF @ MRT			@
Maximum Recorded Temperatures			
Circulation Stopped			
Time			
Logger On Bottom			
Time			
Unit Number			
Location			
Recorded By			
Witnessed By			

© © © © ©	
	3
	Run 4

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OTHER SERVICES1 OS1: HLDS/APS/HNGS OS2: OS3: OS4: OS5:	OTHER SERVICES2 OS1: OS2: OS3: OS4: OS5:				
REMARKS: RUN NUMBER 1	REMARKS: RUN NUMBER 2				
Hole cored with APC/XCB.					
Sea Floor at 2159 mbrf but could not be verified on log response.					
Log presented in meters below rig floor (mbrf).					
Lamont Temperature Tool, (TAP) , run on DITE/HLDS/APS/HNGS.					
Toolstring- DITE/HLDS/APS/HGNS.					
Wireline Heave Compensator was used on all descents.					
Wireline Heave compensator was off between: 3093-3075, 3040-3009, 2999-2972 mbrf due to high heave and or compensator system problems on the main pass.					
Sepiolite mud was used to displace the hole.					
Drillers TD-3117.8 mbrf.					
Loggers TD-3118 mbrf.					
Drill Pipe Driller - 2310 mbrf.					
Logger Drill Pipe - 2310 mbrf.					
The caliper was closed early to prevent problems while entering pipe.					
Depth offsets from the repeat to the main are due to the compensator being off.					
HNGS calibration tolerances are tight and do not affect the log response.					
HLDS pad wear calibration flags are for wear measurement and not used in the master calibration.					
RUN 1	RUN 2				
SERVICE ORDER #: PROGRAM VERSION: 9C1-303 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 WITM (DTS)-A	
DOWNHOLE EQUIPMENT	
LEH-QT  32.03	
LEH-QT	
DTC-H CTEM 30.86	
ECH-KC 8253 TelStatus 31.14	
	30.23
HNGS-BA Upper_1 29.53	
HNGS-BA 27 Lower_2 29.32	
	30.23

HNSH-BA 27

ILE-D
ILE-D 25

27.73

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

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

25.29

22.85
22.77
22.64
22.54

NPLC-B
NPLC-B 82
NPH-B 82

Status

20.12

21.35

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

Caliper
SS LS Status

14.85

18.90

DTA-A
ECH-KE 8261

14.08

DIT-E RED
DIC-EB 171
MIH-ZA 174
DIS-HB 200

12.87

SP
Deep Ind
Aux Meas SFL
Med Ind

6.49
6.24
5.32
5.17

Status

3.34

AH-TAP
AH-TAP

3.34

DF
Tension HV

0.00

TOOL ZERO

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

Output DLIS Files

DEFAULT	DITE .008	FN:11 PRODUCER	21-Apr-2000 03:08	3120.4 M	2124.6 M
DITE_CUST	DITE .008	FN:12 PRODUCER	21-Apr-2000 03:08	3120.4 M	2124.6 M

OP System Version: 9C1-303

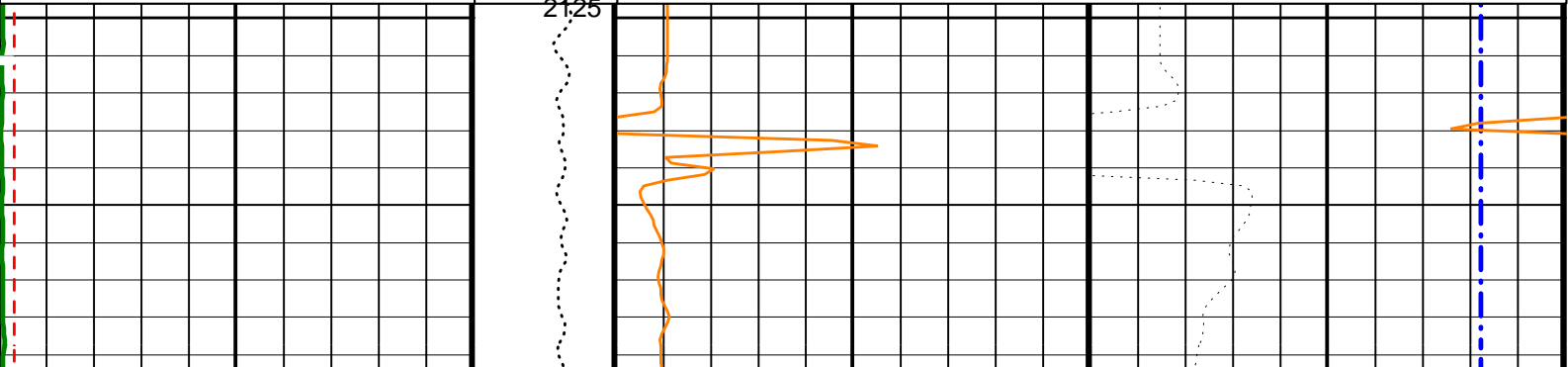
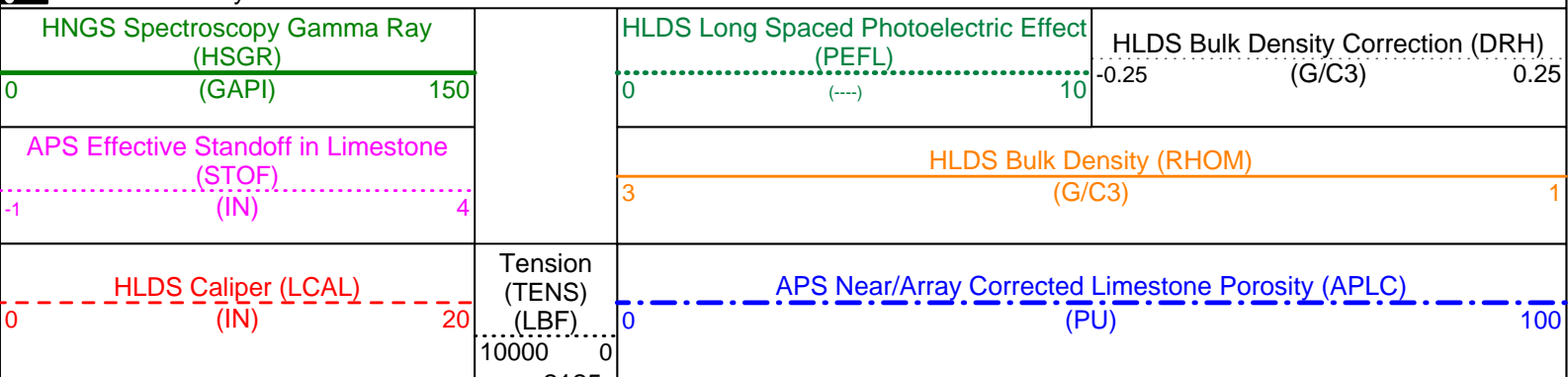
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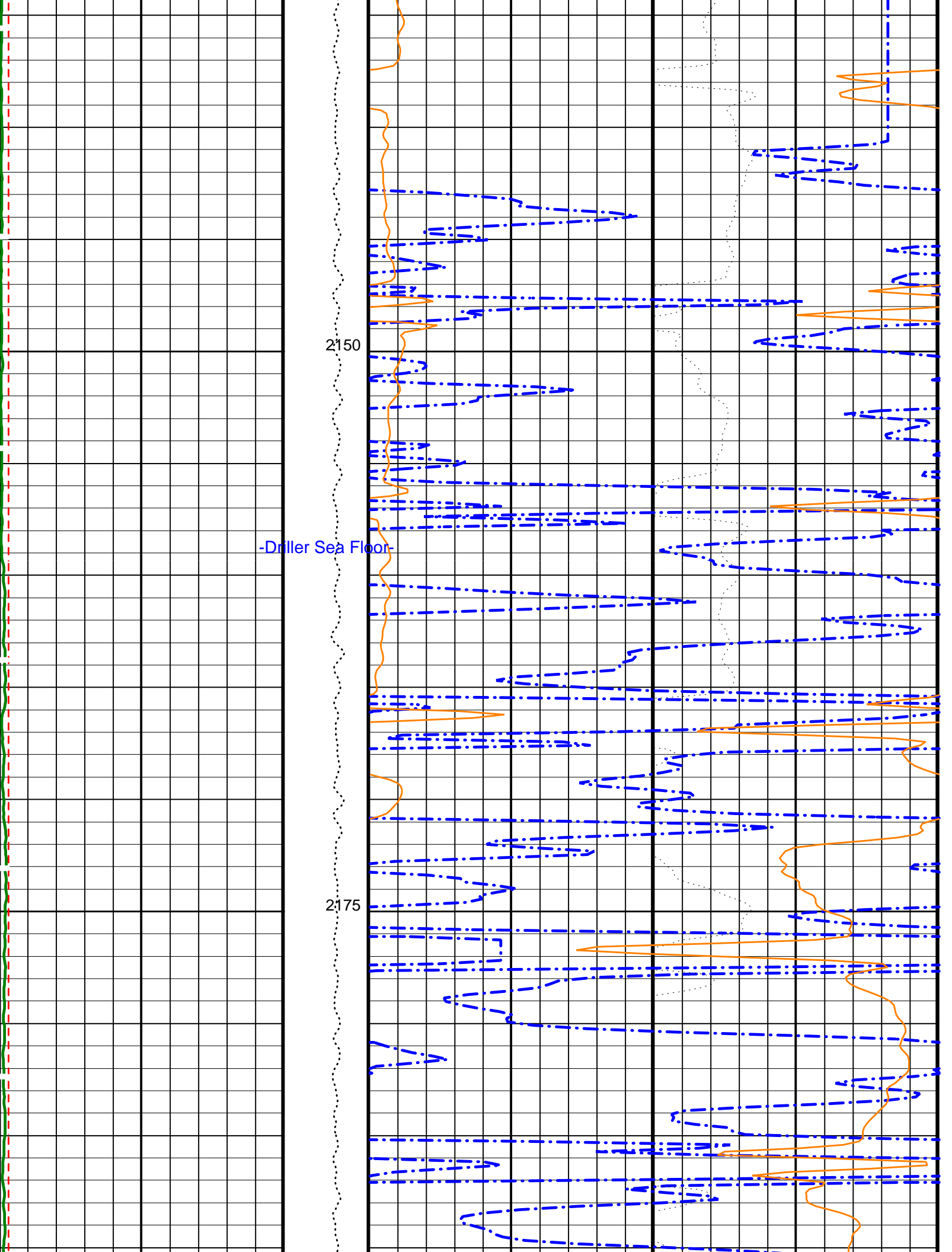
DIT-E	9C1-303	DTA-A	9C1-303
HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

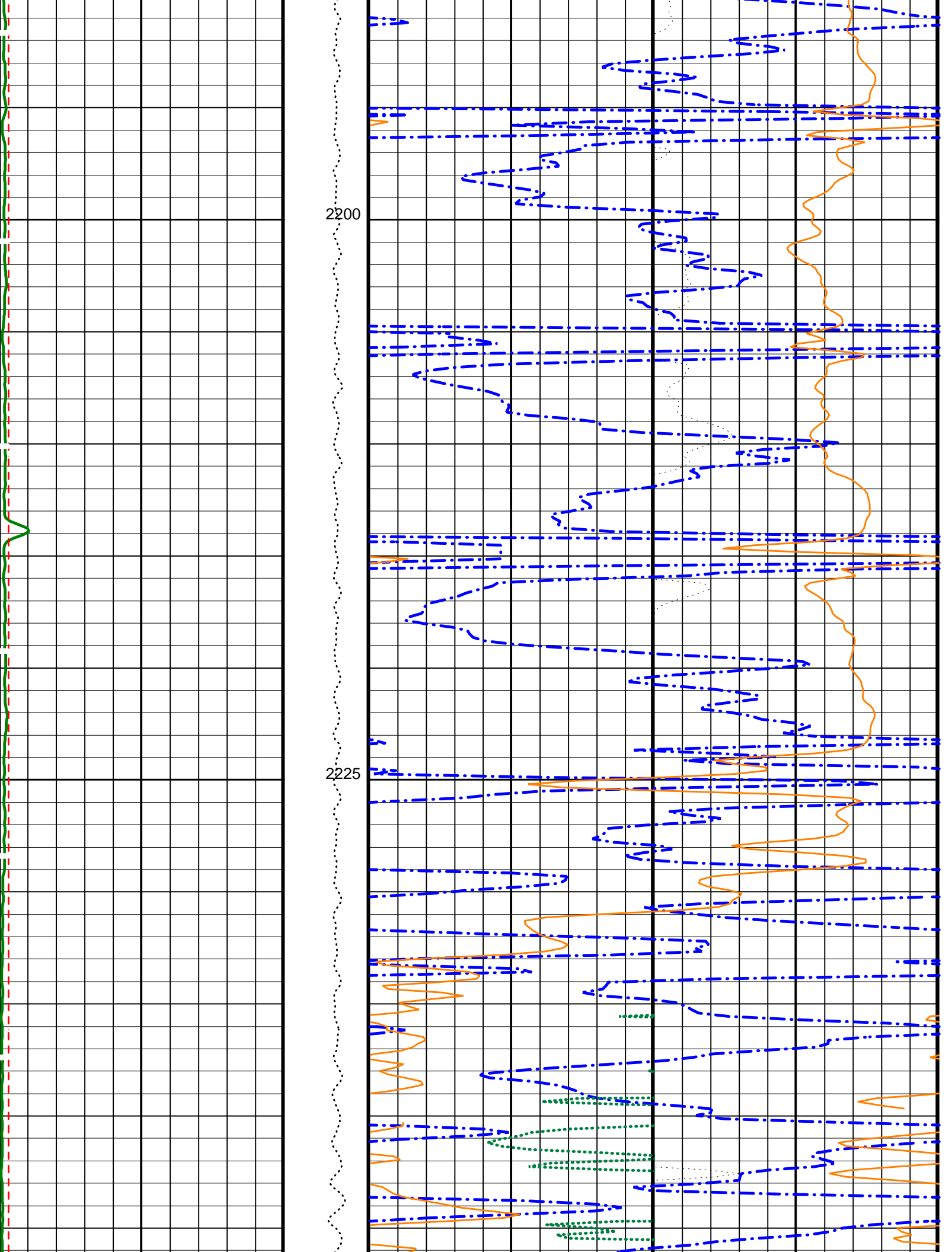
PIP SUMMARY

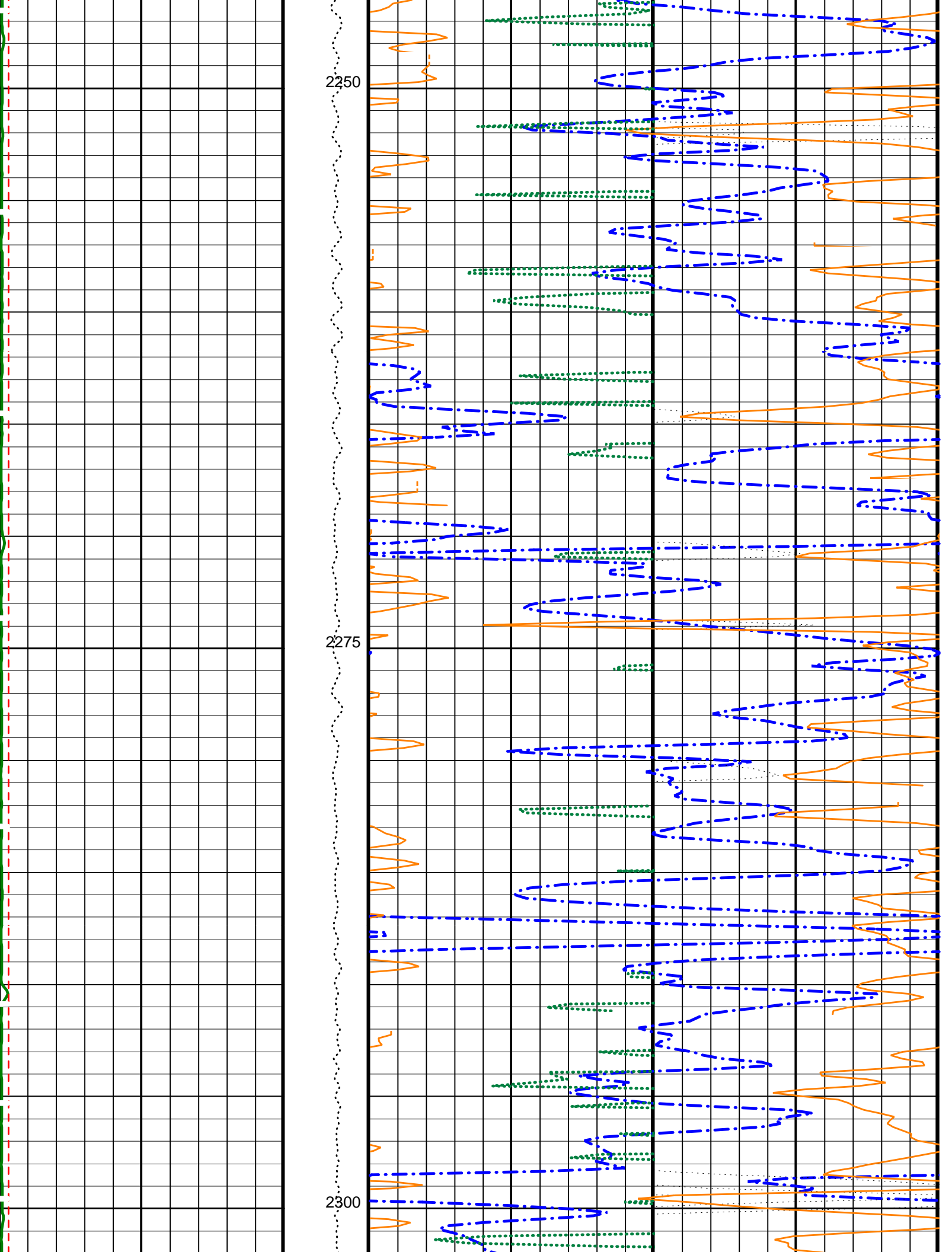
Main Log

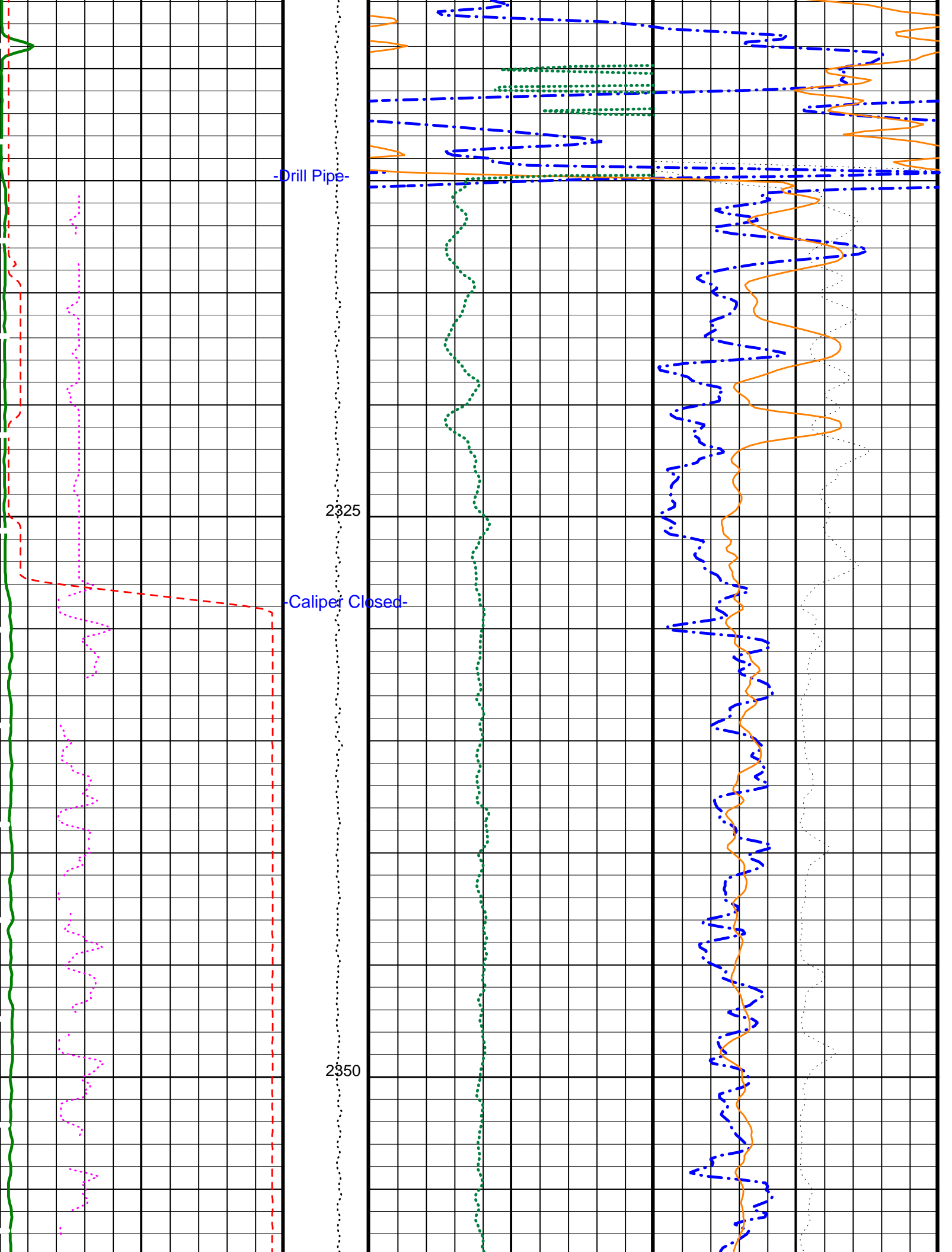
Time Mark Every 60 S

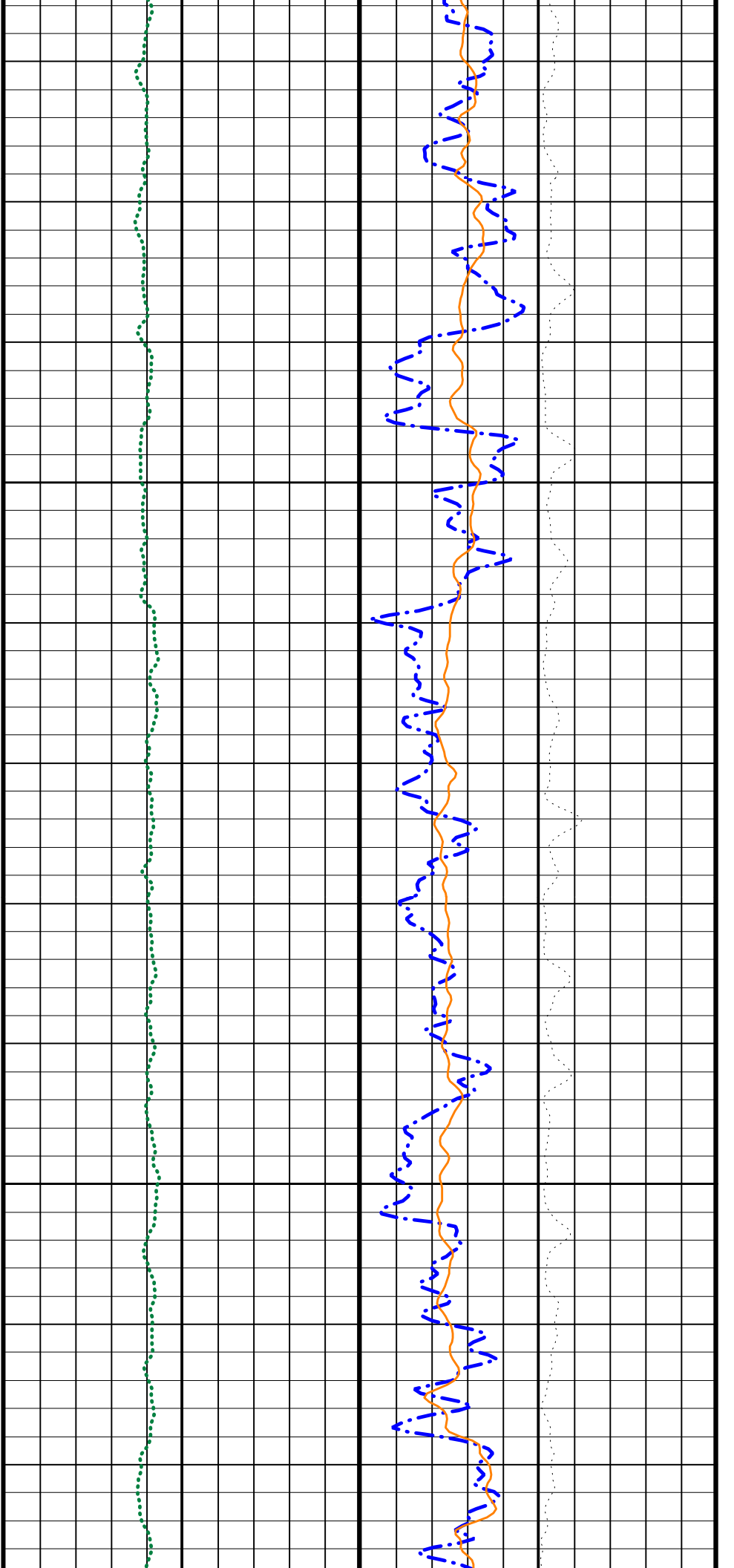
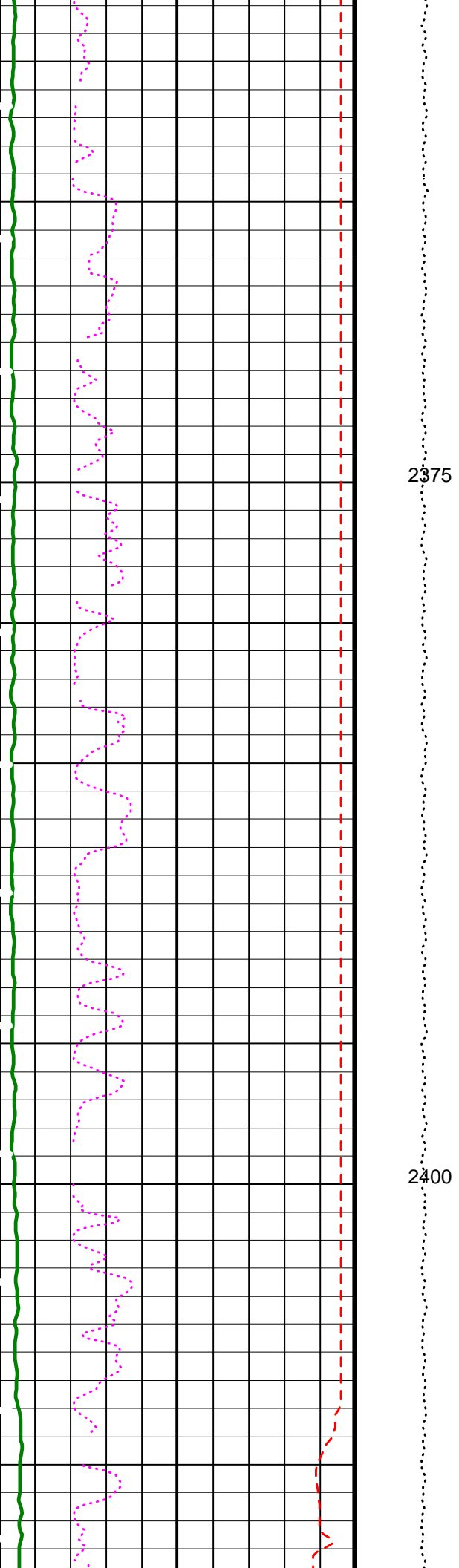


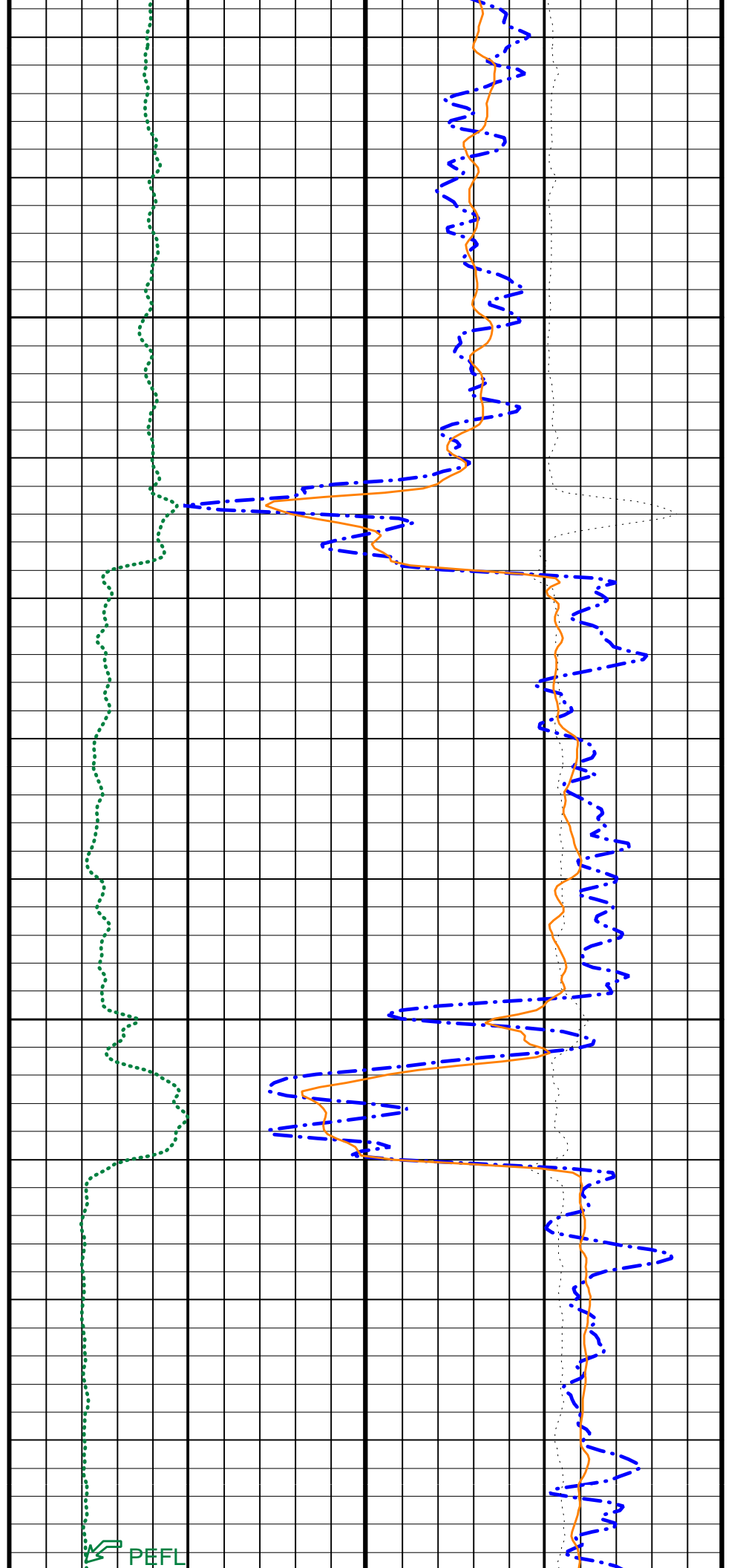
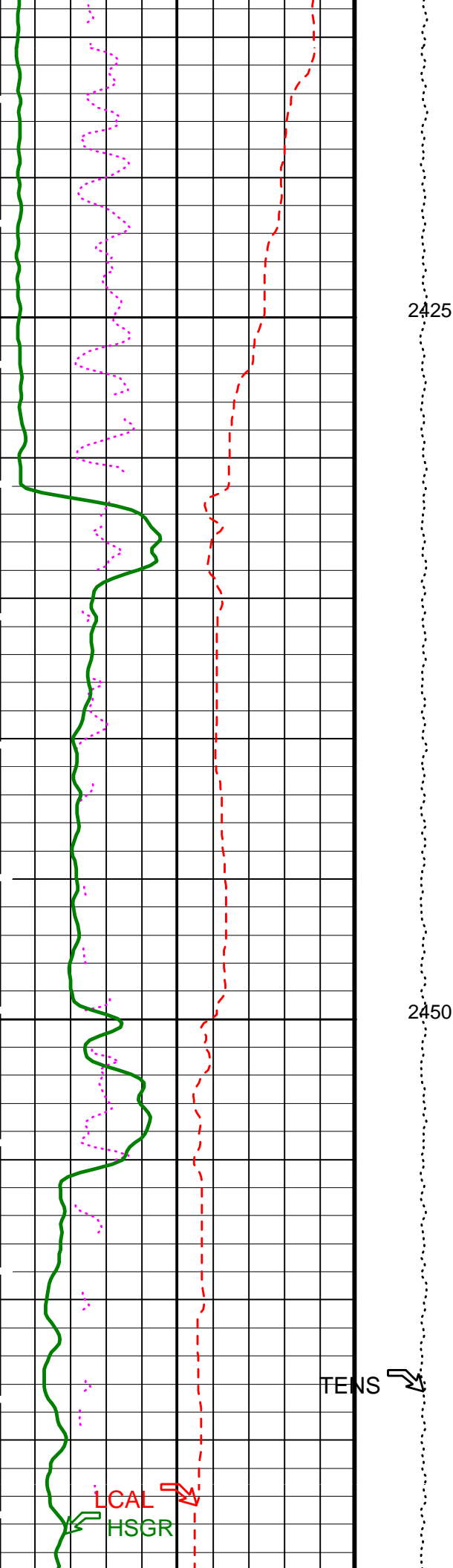


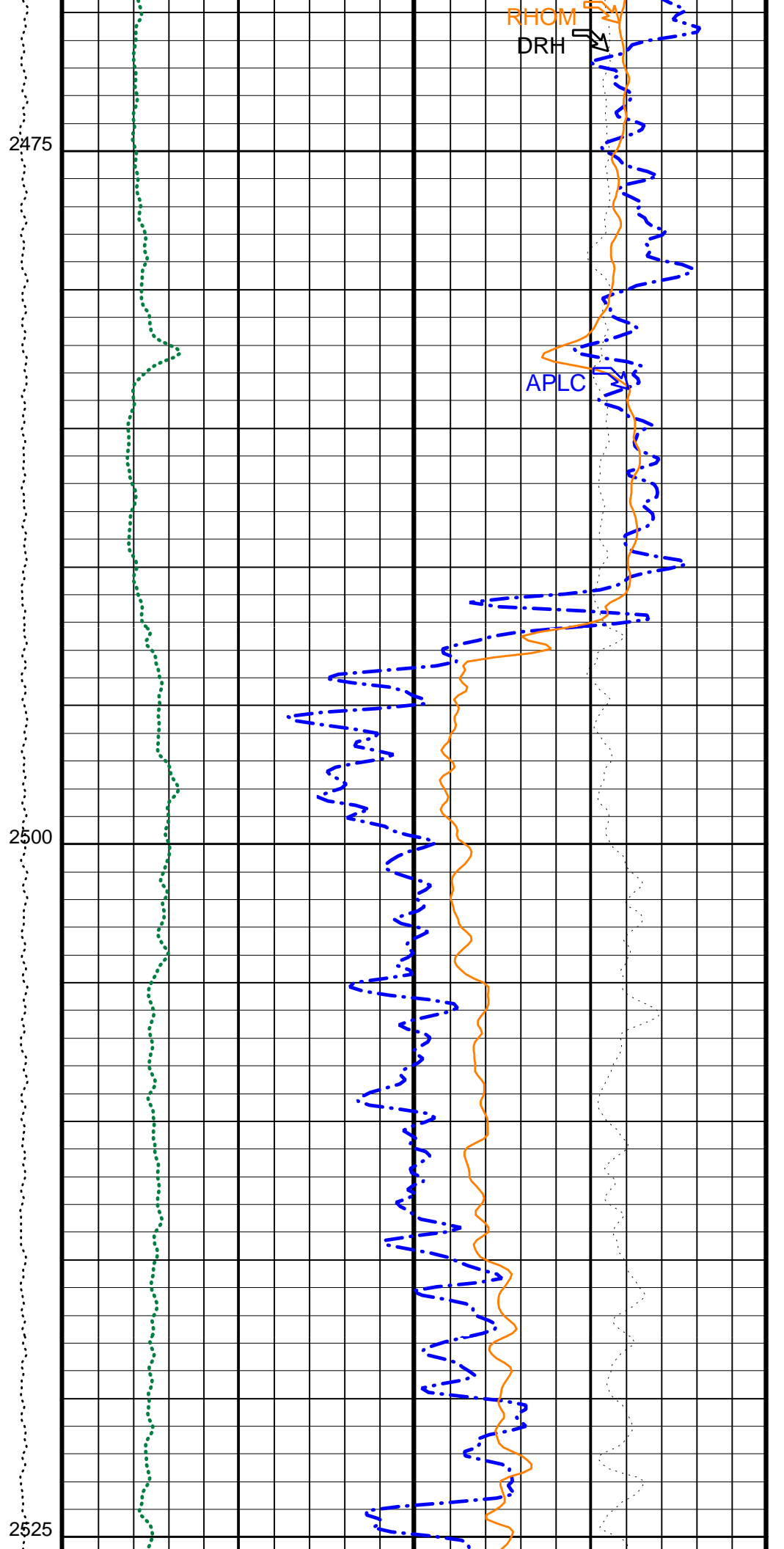
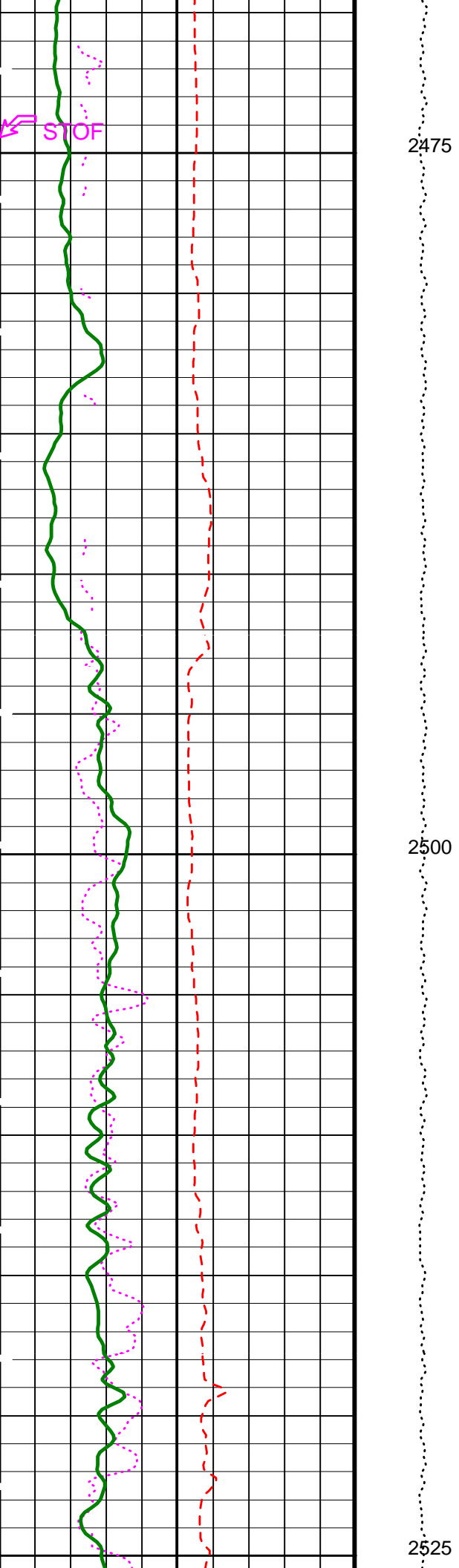


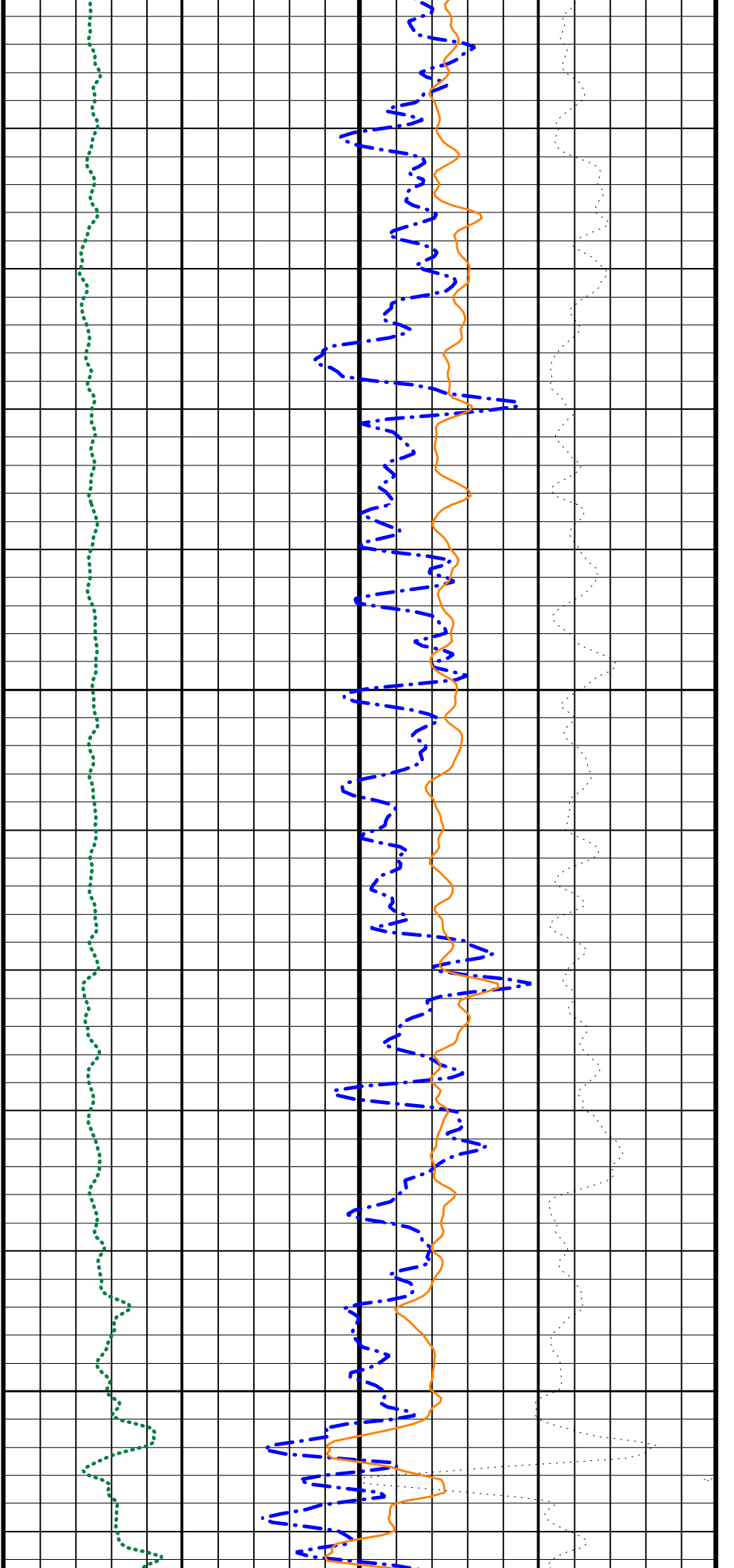
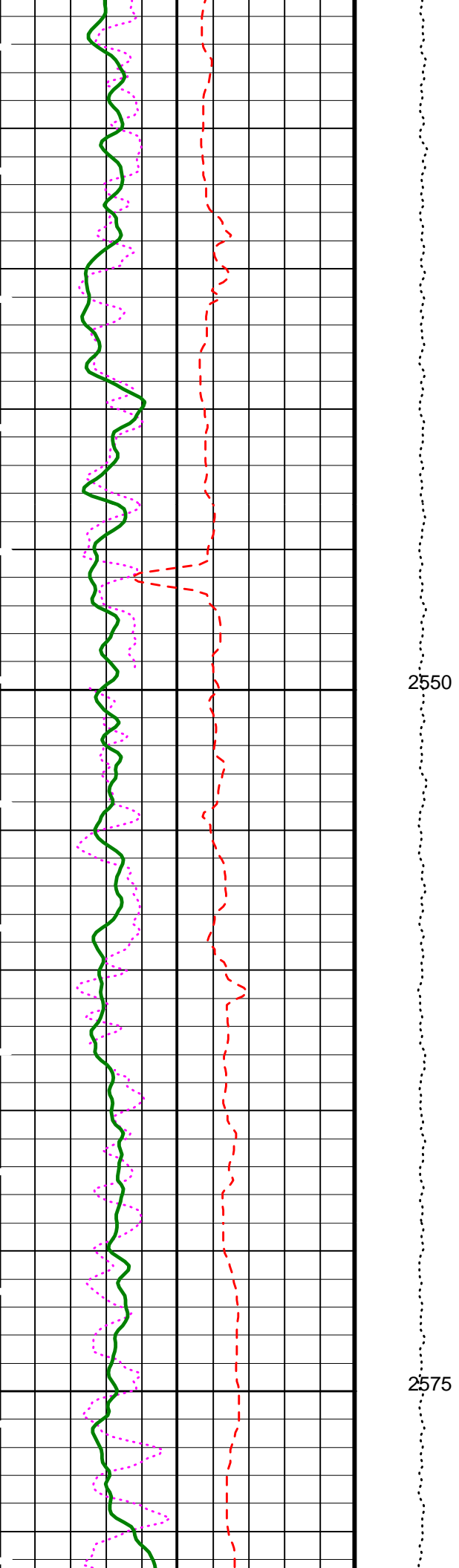


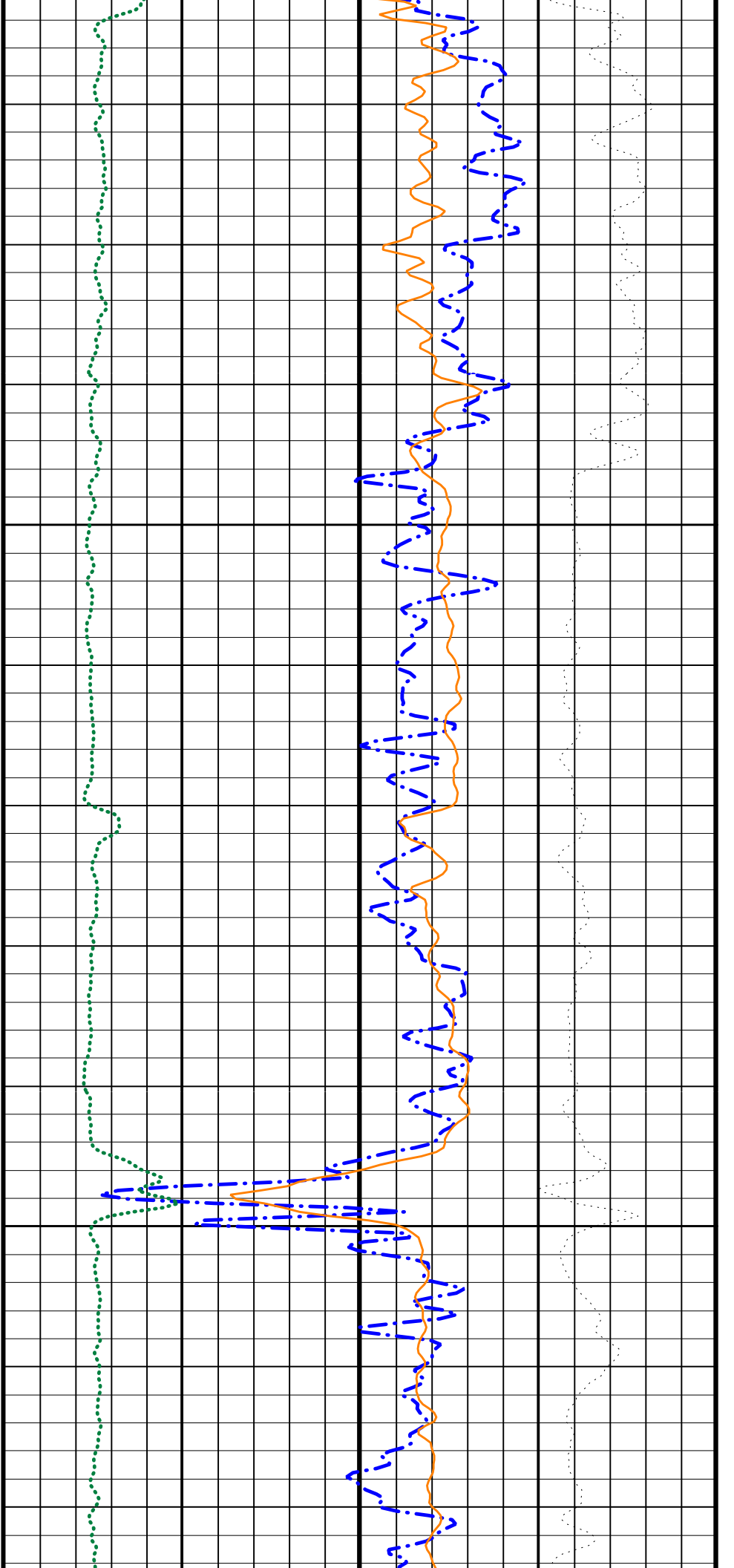
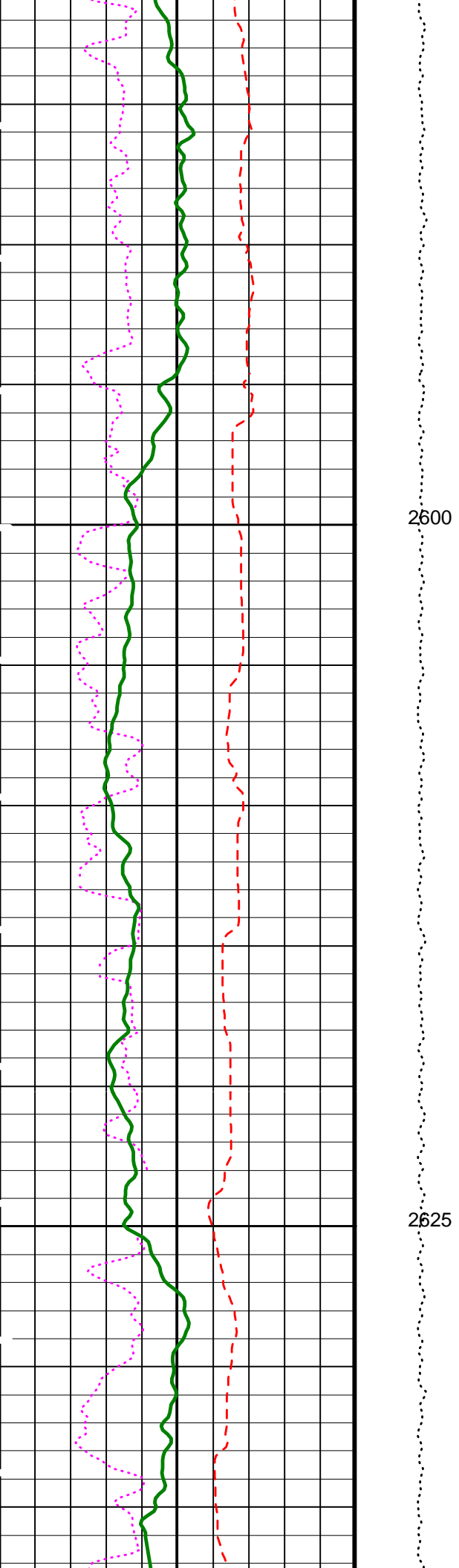


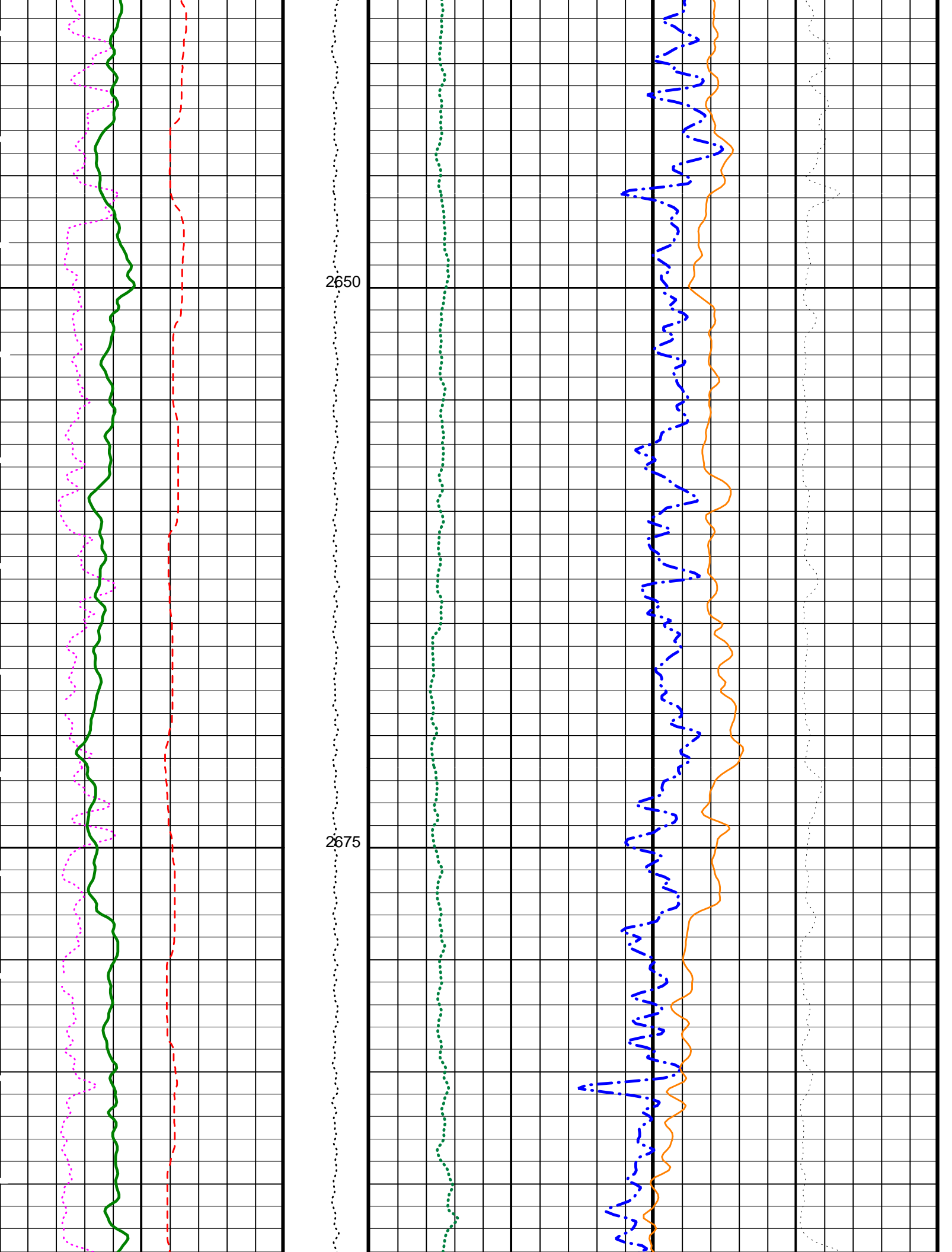


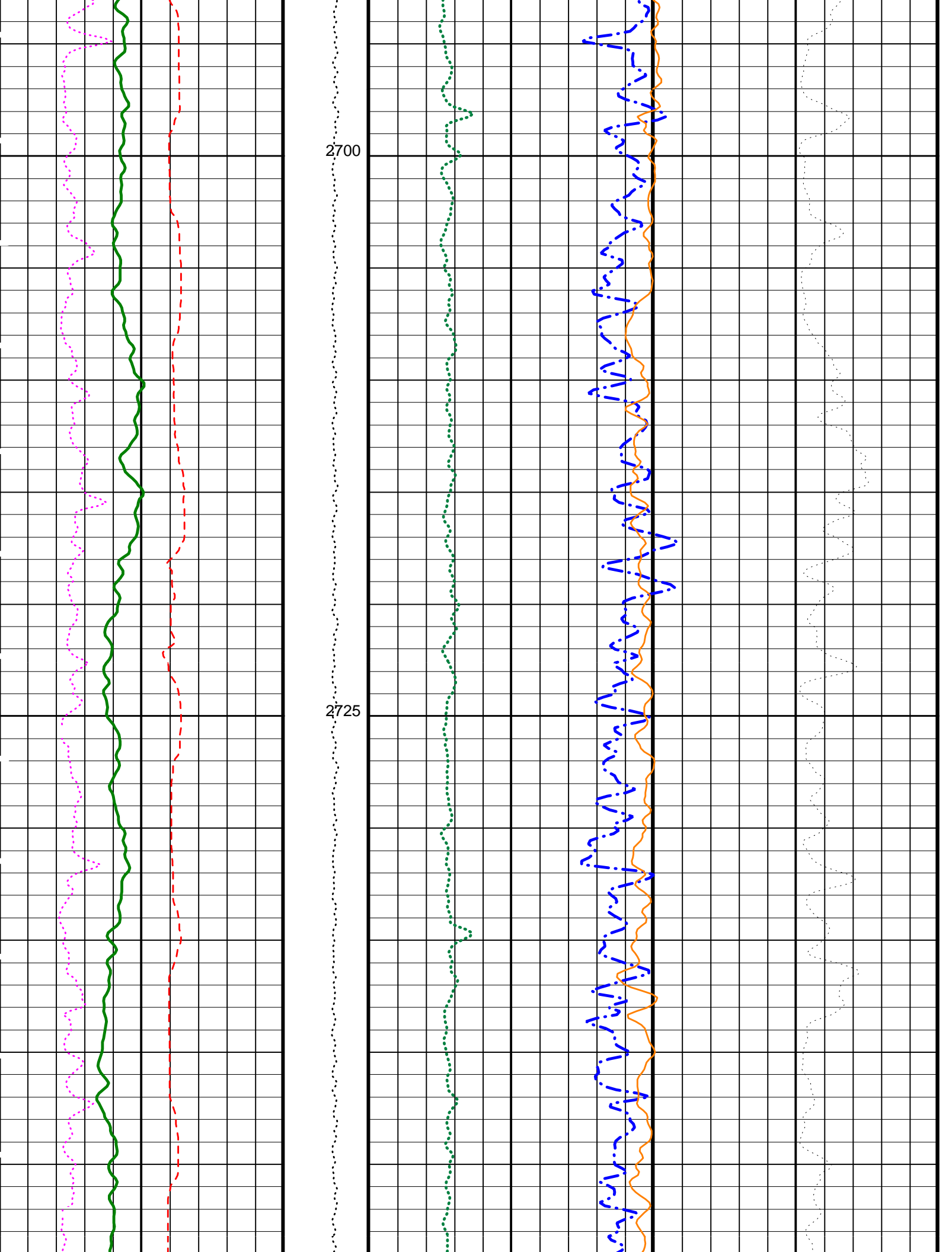


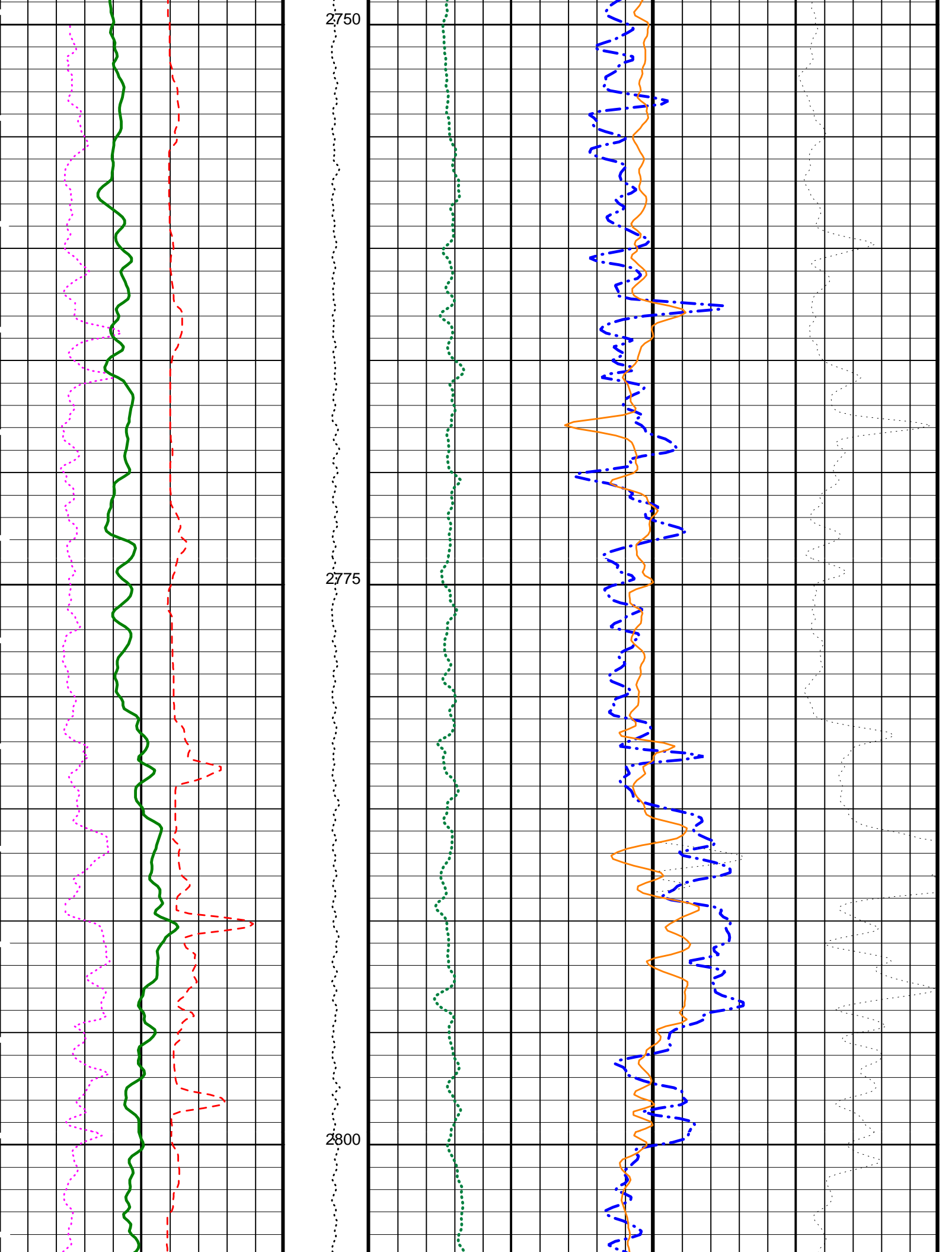


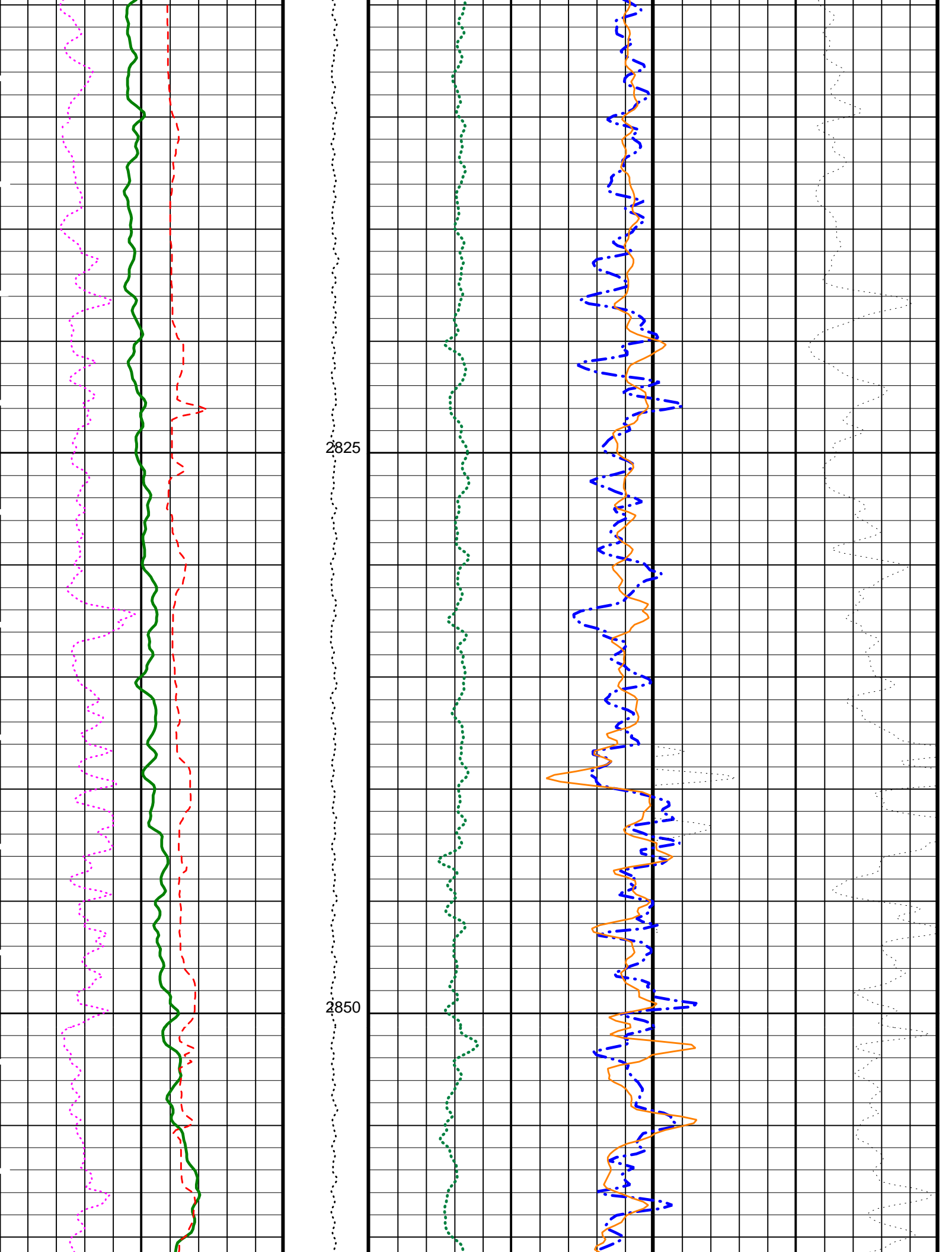


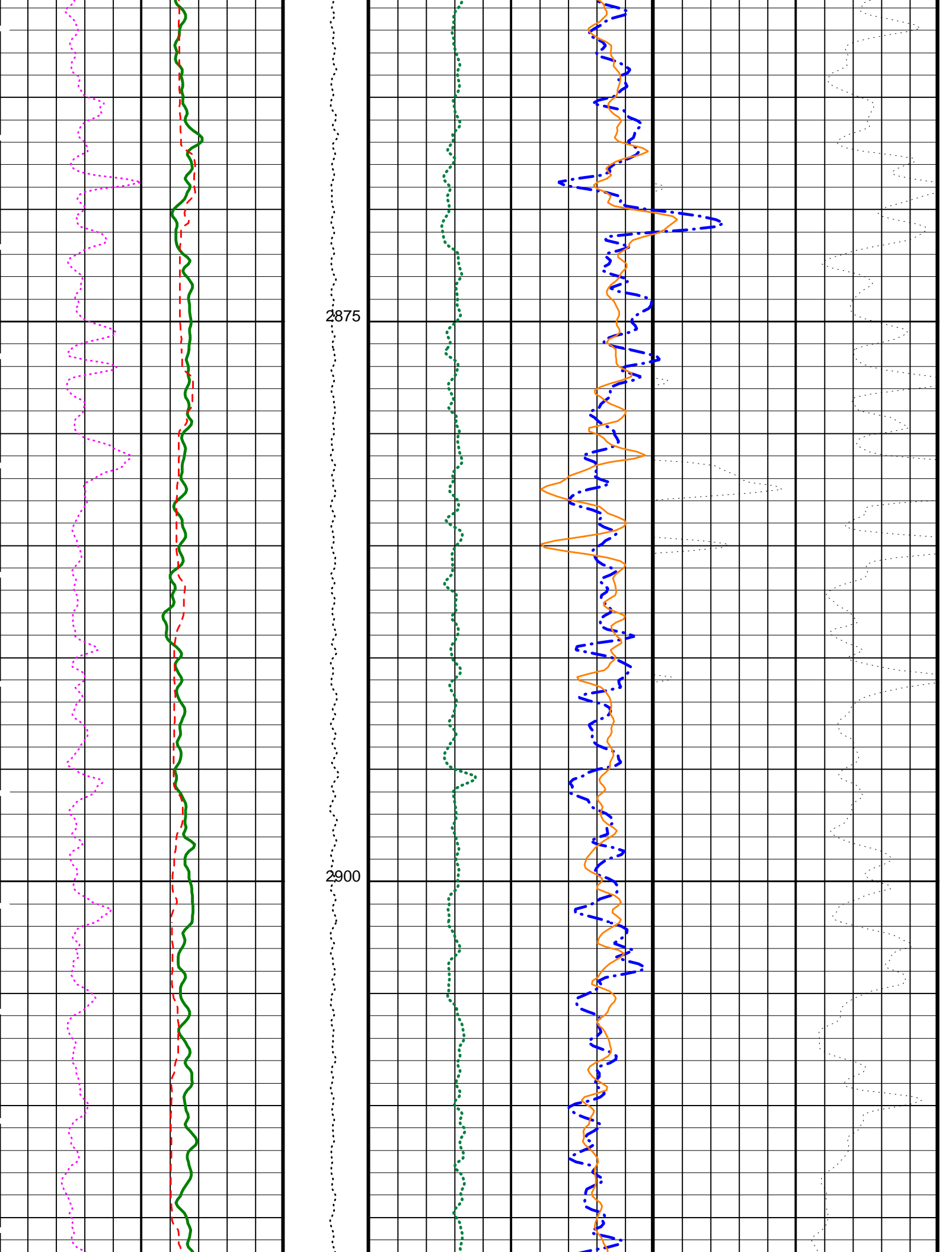


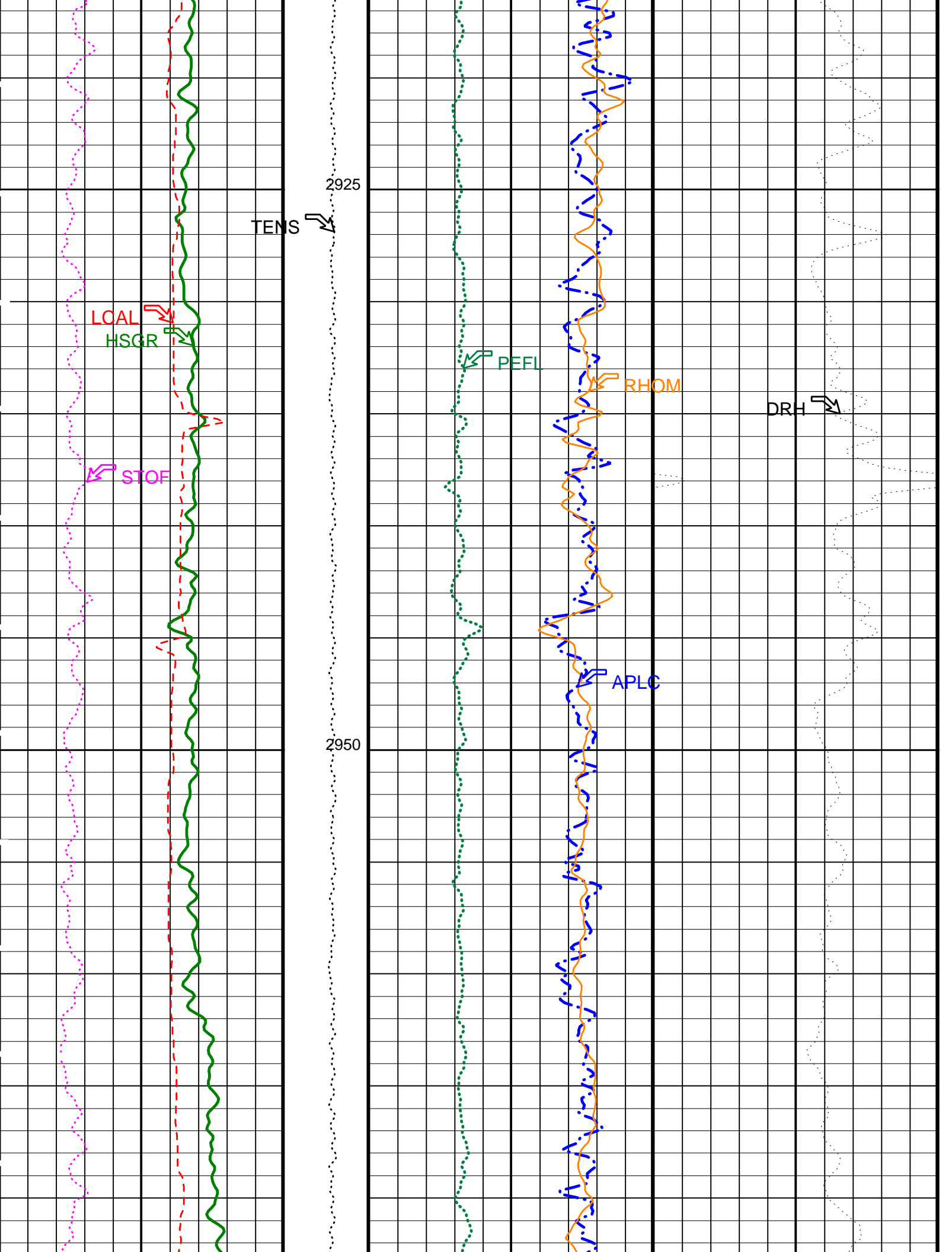


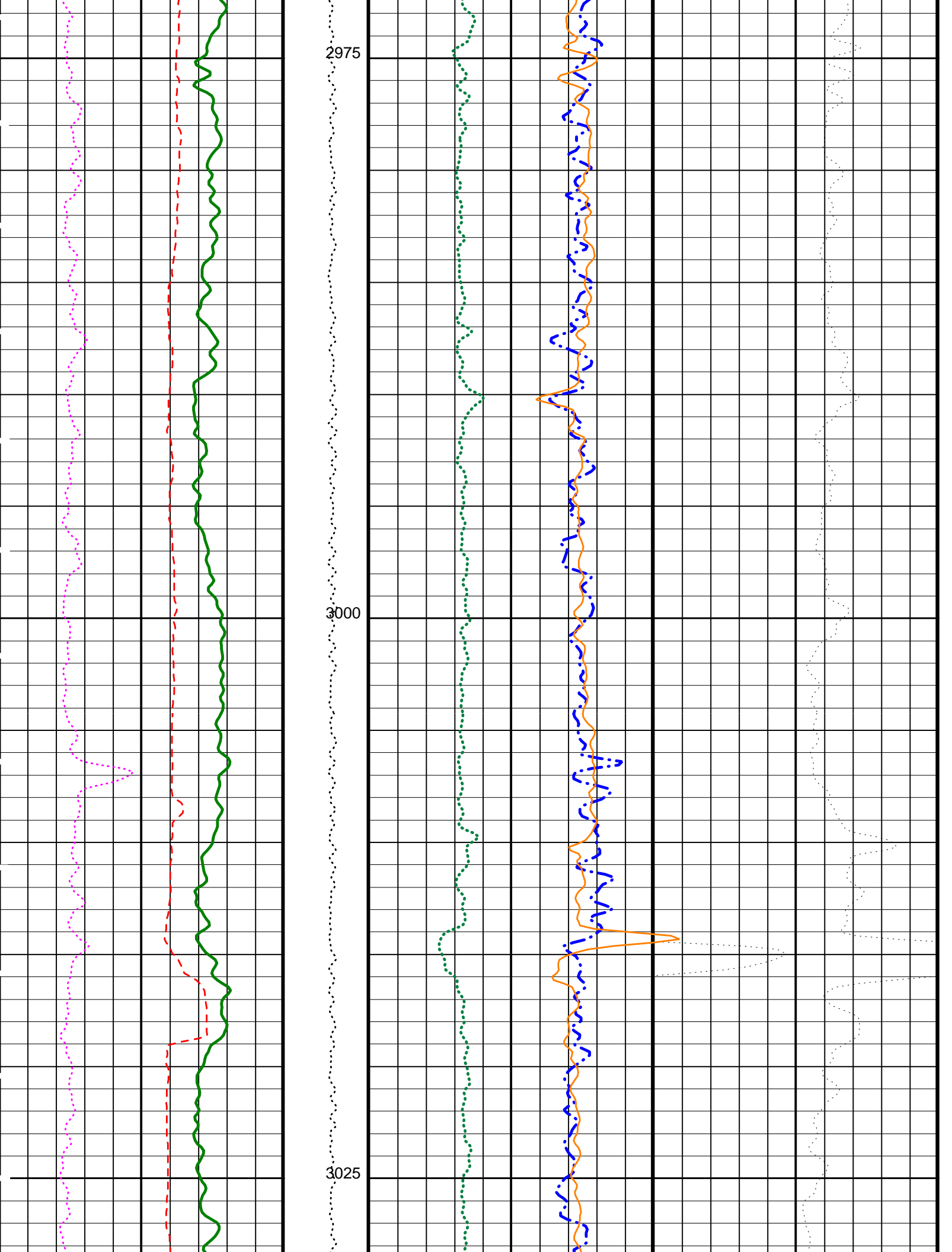


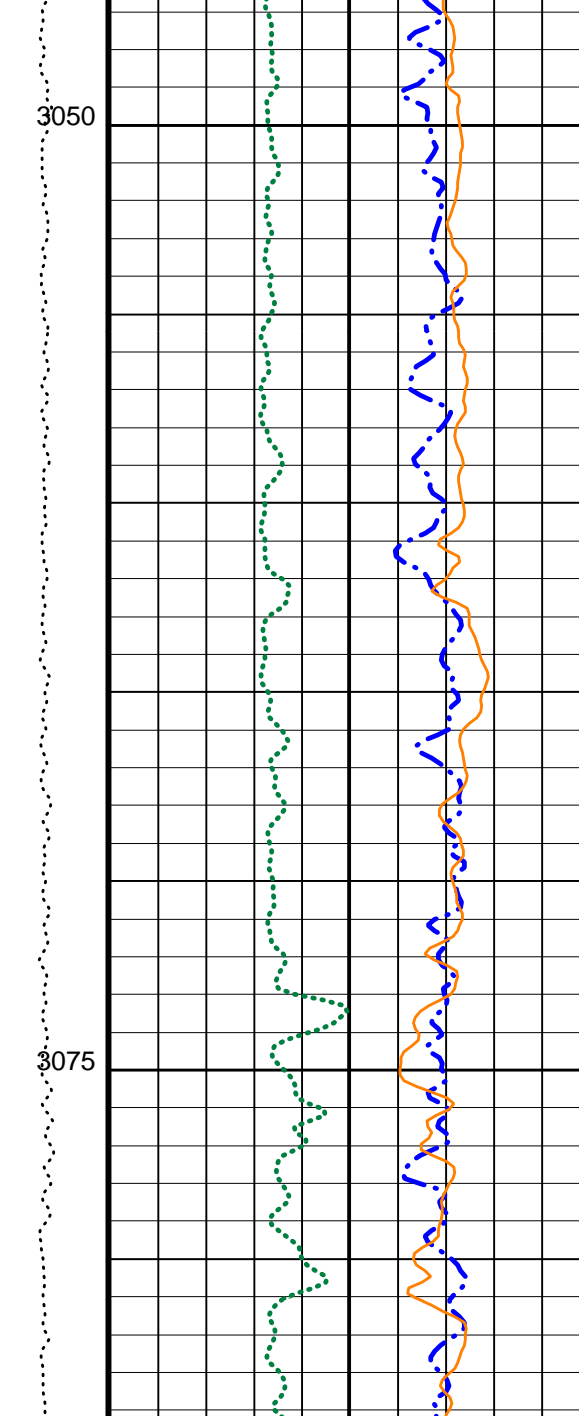
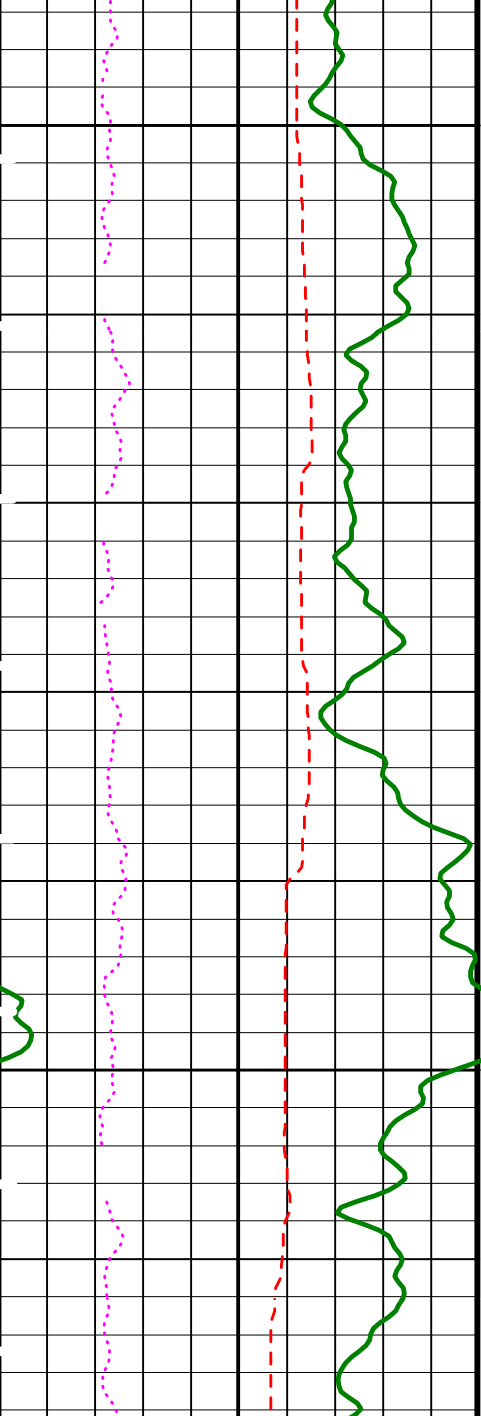
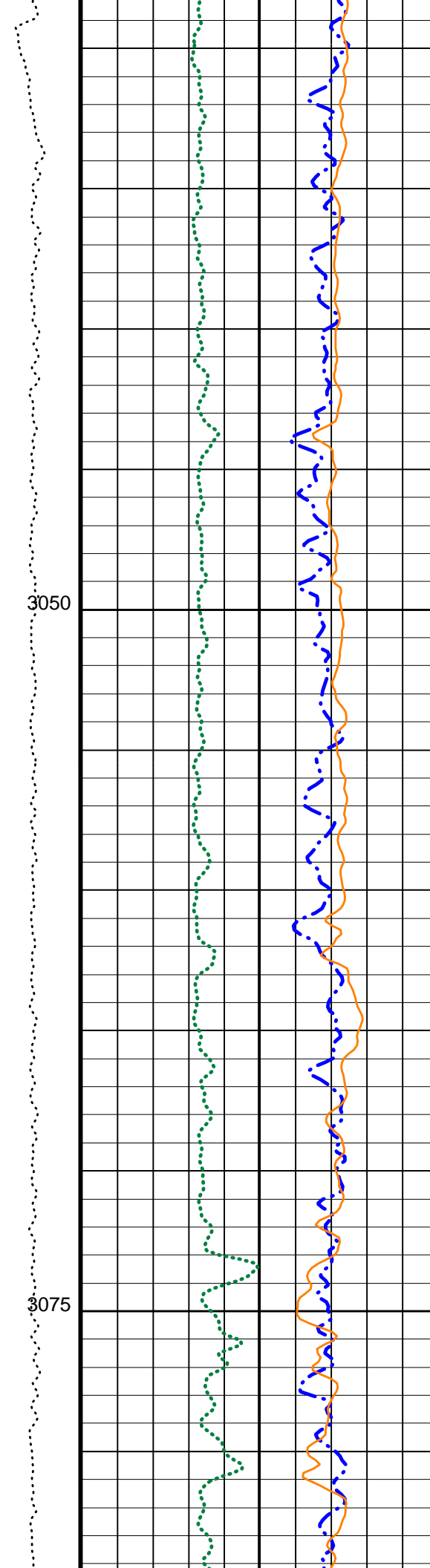
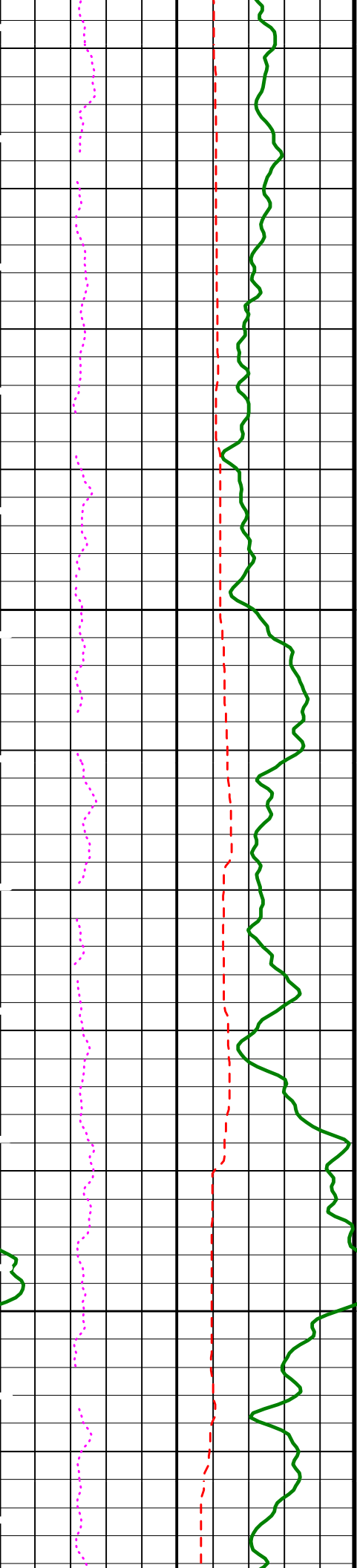






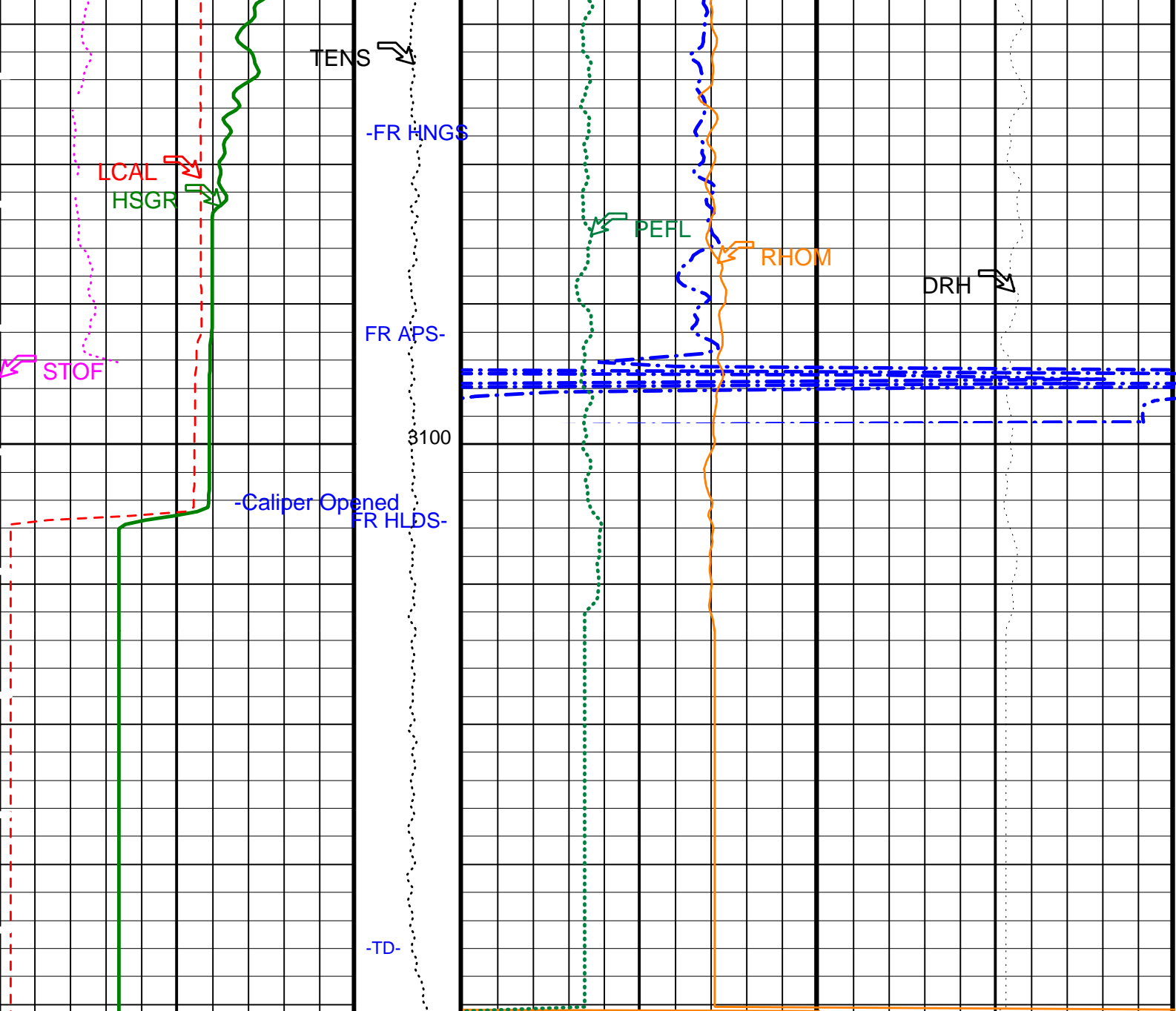






3050

3075



<p>HLDS Caliper (LCAL) (IN) 0 20</p>	<p>Tension (TENS) (LBF) 10000 0</p>	<p>APS Near/Array Corrected Limestone Porosity (APLC) (PU) 0 100</p>
<p>APS Effective Standoff in Limestone (STOF) (IN) -1 4</p>		<p>HLDS Bulk Density (RHOM) (G/C3) 3 1</p>
<p>HNGS Spectroscopy Gamma Ray (HSGR) (GAPI) 0 150</p>	<p>HLDS Long Spaced Photoelectric Effect (PEFL) (---) 0 10</p>	<p>HLDS Bulk Density Correction (DRH) (G/C3) -0.25 0.25</p>

Time Mark Every 60 S Main Log PIP SUMMARY

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	IN
	APS Software Version	5	
	HLDS SS Digital Integrator State	Normal	
	HLDS Diag Message Rate	20	
AASD	APS Thermal and Array Detectors High Voltage Setting	1987.2	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	2068.96	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	1761.66	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)	80	DEGF
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	-50000.00	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	7.46561	%
D1TC	HNGS Detector 1 Calibration Temperature	46.8749	DEGF
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.312	
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.19449	%
D2TC	HNGS Detector 2 Calibration Temperature	44.9572	DEGF
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.601	
DBCC	HNGS Barite Constant Correction Flag	NONE	
DFD	Drilling Fluid Density	8.51	LB/G
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
FD	Fluid Density	1.02	G/C3
FSAL	Formation Salinity	32000	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	0.01	DF/F
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	
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	1.03041e-029	
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	1.06801	
NFRC	APS Near/Far Calibration Ratio	0.903124	
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	28.899	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992258	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	29.4941	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.981545	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	-999.25	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TD	Total Depth	11469.8	FT
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	0	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0	

OP System Version: 9C1-303

MCM

DIT-E 9C1-303
 HLDS 9C1-303
 APS-BA 9C1-303
 DTC-H 9C1-303

DTA-A 9C1-303
 NPLC-B 9C1-303
 HNGS-BA 9C1-303

Output DLIS Files

DEFAULT DITE .008 FN:11 PRODUCER 21-Apr-2000 03:08
 DITE_CUST DITE .008 FN:12 PRODUCER 21-Apr-2000 03:08

Output DLIS Files

DEFAULT DITE .011 FN:17 PRODUCER 21-Apr-2000 07:24 3118.1 M 2920.1 M
 DITE_CUST DITE .011 FN:18 PRODUCER 21-Apr-2000 07:24 3118.1 M 2920.1 M

OP System Version: 9C1-303

MCM

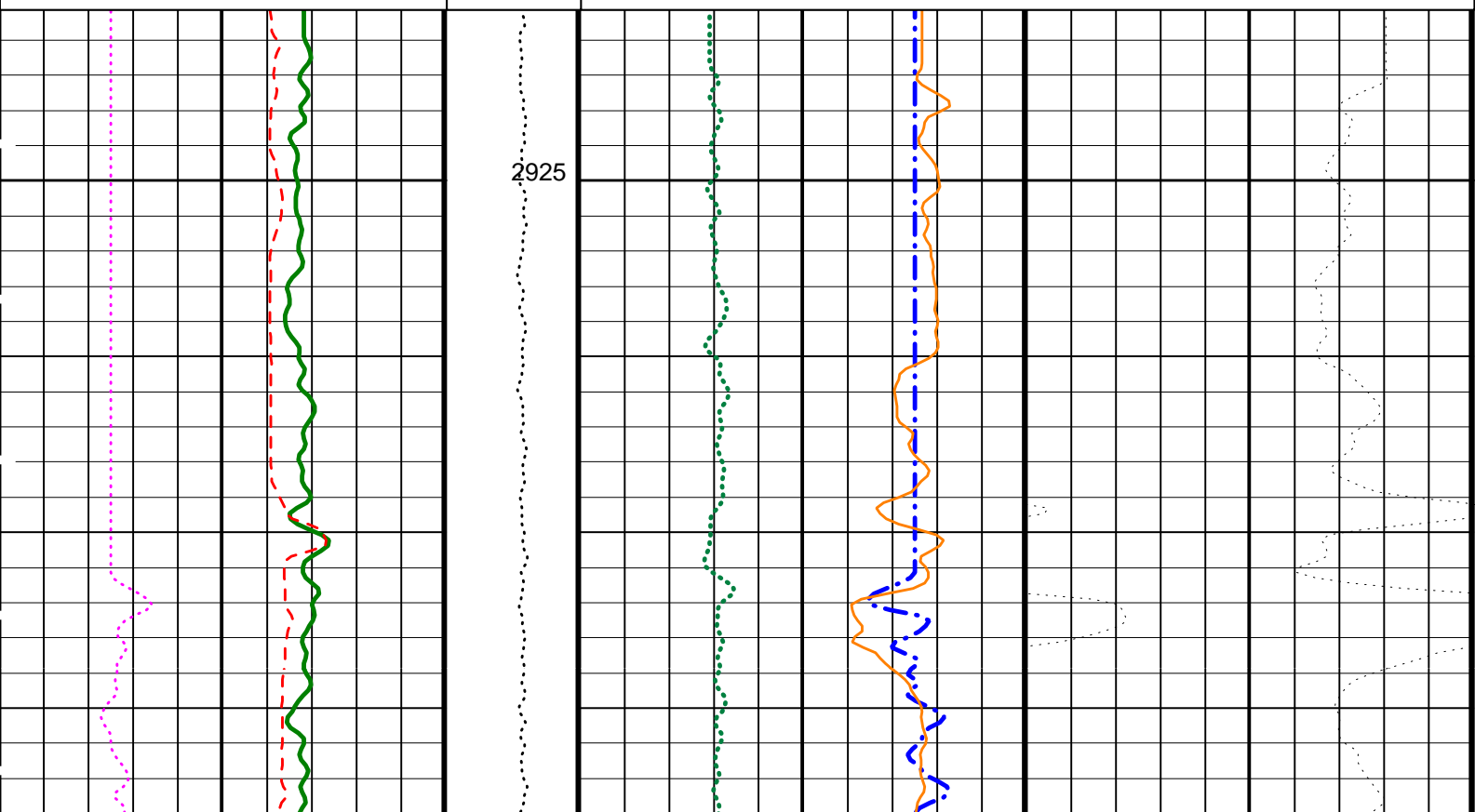
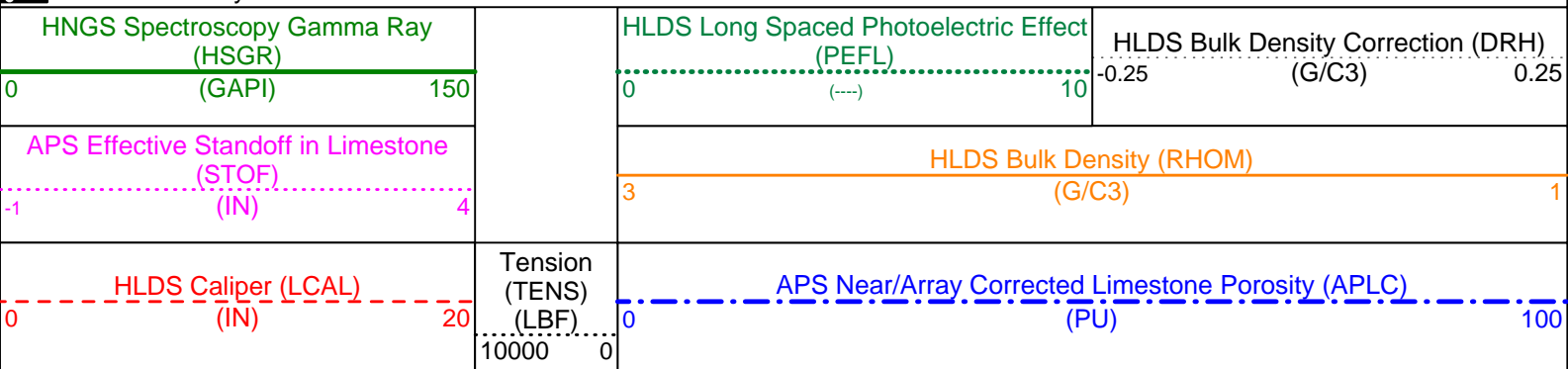
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 HLDS 9C1-303
 APS-BA 9C1-303
 DTC-H 9C1-303

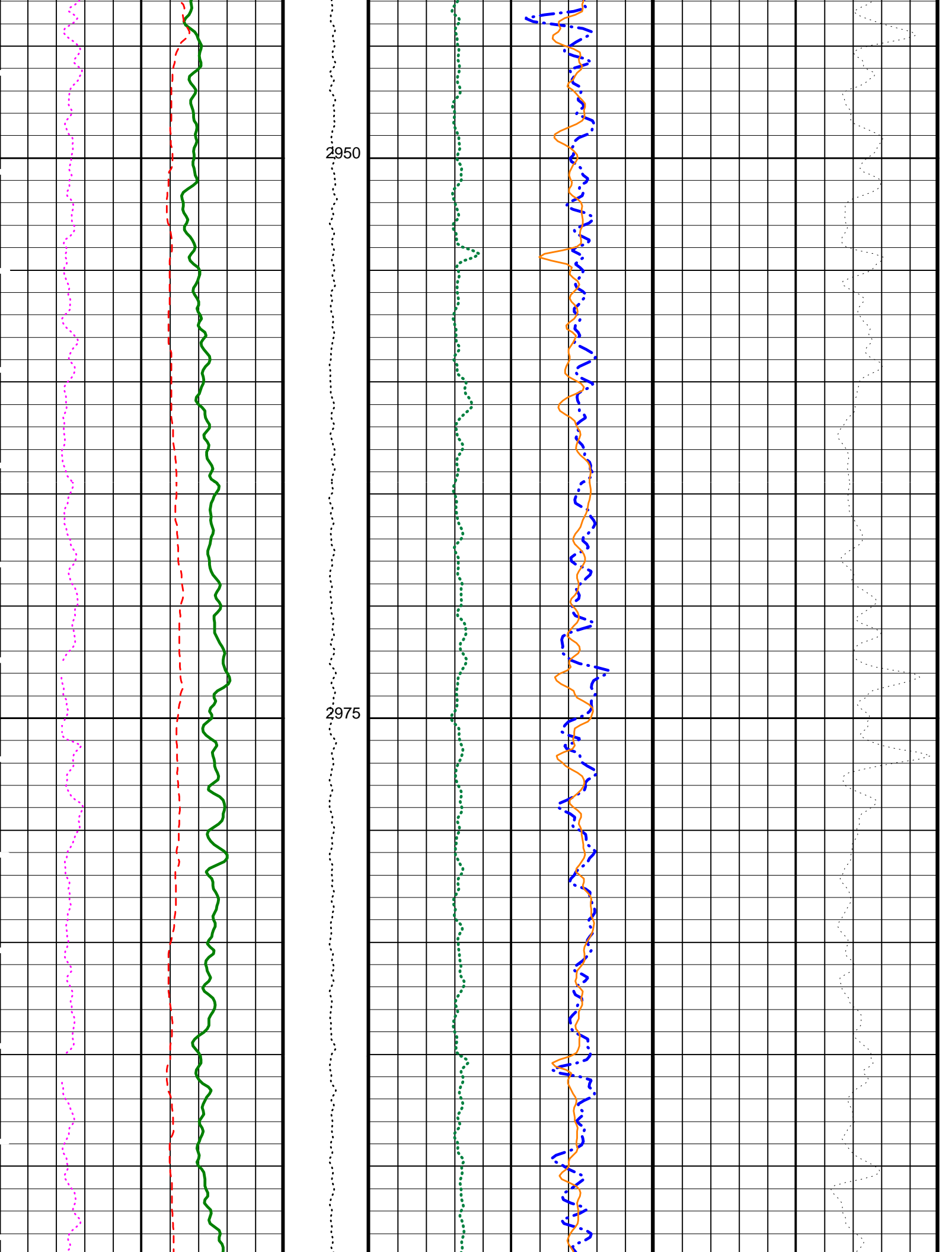
DTA-A 9C1-303
 NPLC-B 9C1-303
 HNGS-BA 9C1-303

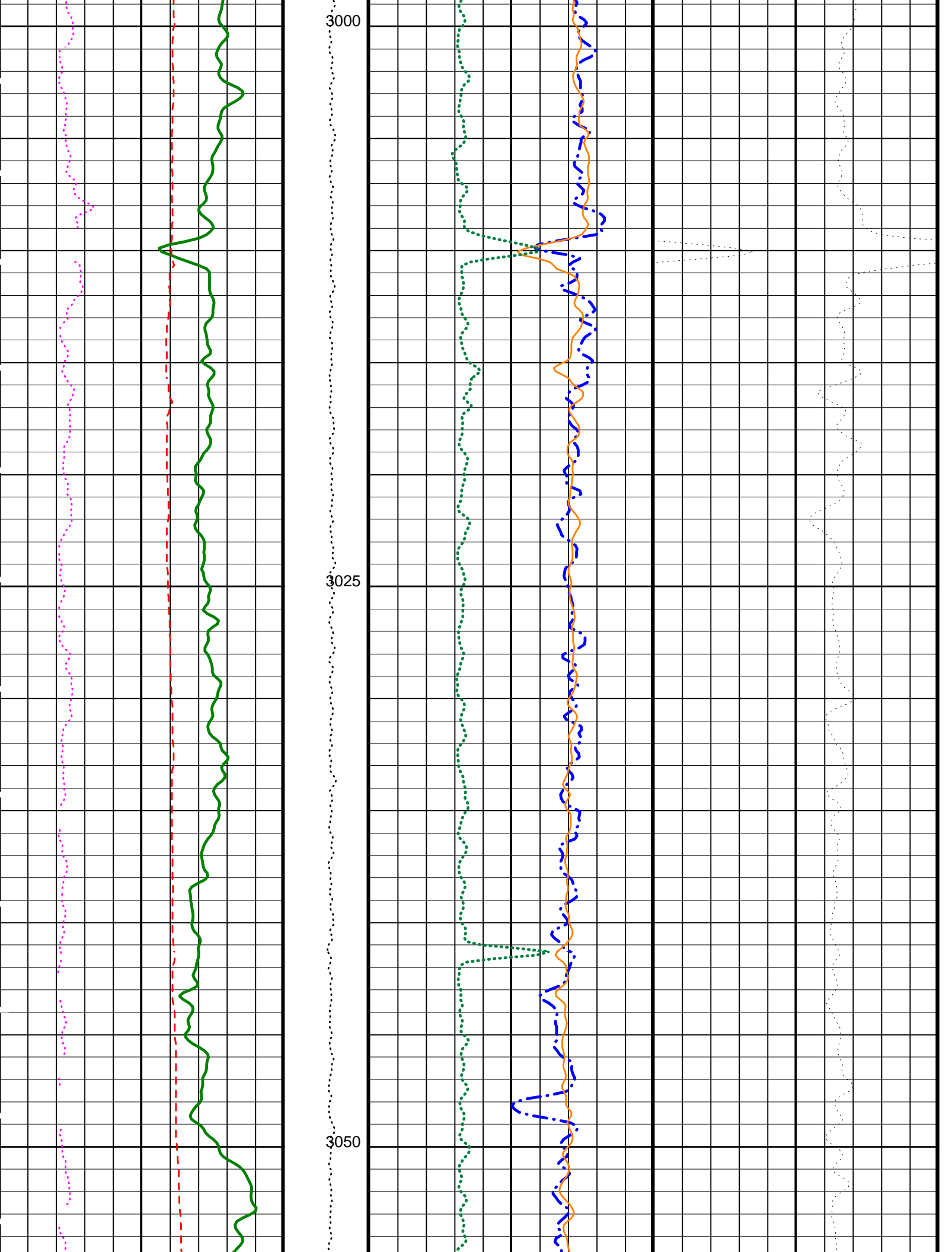
REPEAT SECTION

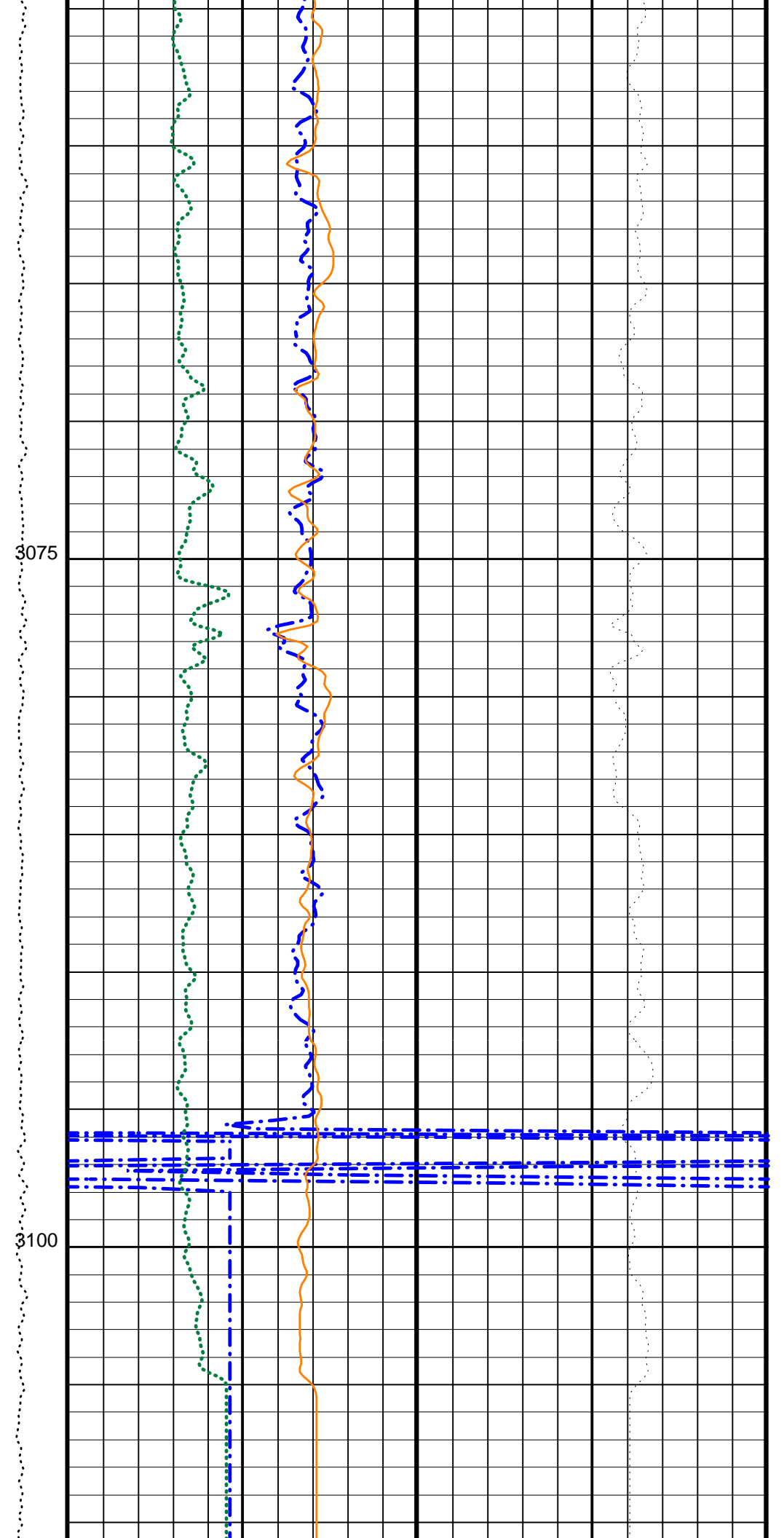
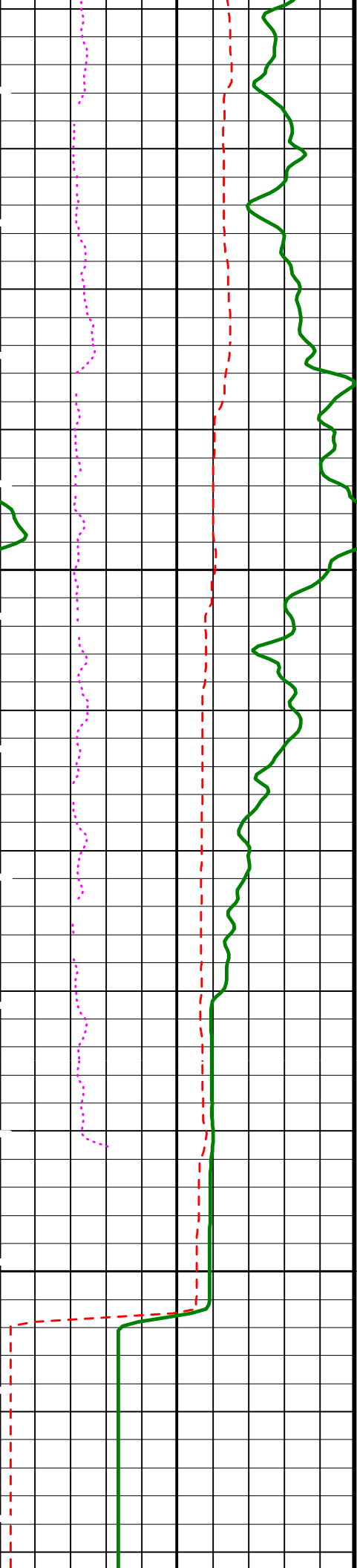
PIP SUMMARY

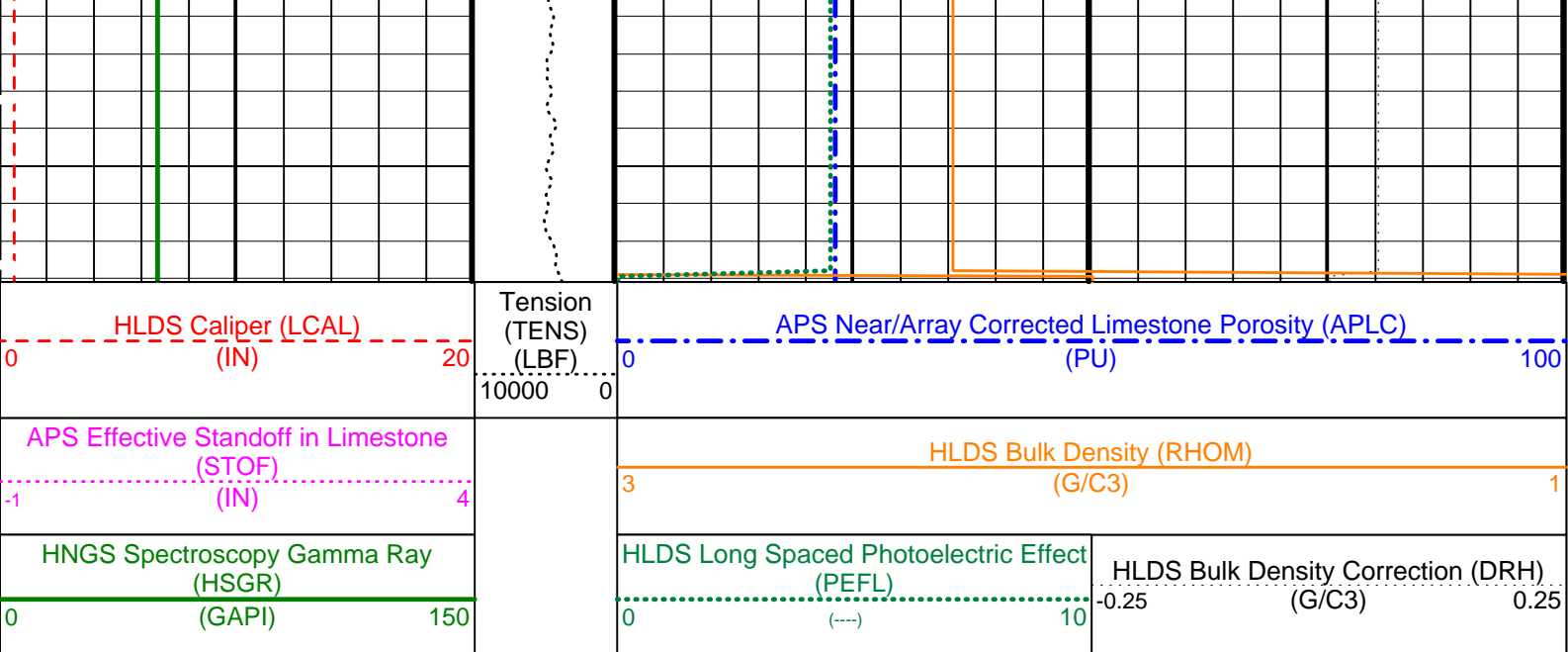
Time Mark Every 60 S











Time Mark Every 60 S **REPEAT SECTION** PIP SUMMARY

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 IN
	APS Software Version	5
	HLDS SS Digital Integrator State	Normal
	HLDS Diag Message Rate	20
AASD	APS Thermal and Array Detectors High Voltage Setting	1987.2 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	2068.96 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	1761.66 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)	80 DEG F
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	-50000.00 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	7.46561 %
D1TC	HNGS Detector 1 Calibration Temperature	46.8749 DEG F
D1TL	HNGS Detector 1 Calibration Thorium Peak Location	211.312
D2PR	HNGS Detector 2 Calibration Thorium Peak Resolution	6.19449 %
D2TC	HNGS Detector 2 Calibration Temperature	44.9572 DEG F
D2TL	HNGS Detector 2 Calibration Thorium Peak Location	209.601
DBCC	HNGS Barite Constant Correction Flag	NONE
DFD	Drilling Fluid Density	8.51 LB/G
DHC	Density Hole Correction	BS
DPPM	Density Porosity Processing Mode	HIRS
FD	Fluid Density	1.02 G/C3
FSAL	Formation Salinity	22222 PPM

FSAL	Formation Salinity	32000	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	0.01	DF/F
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	-0.00262684	
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	2.5113e-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	1.06801	
NFRC	APS Near/Far Calibration Ratio	0.903124	
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	28.899	CPS
S1NG	HNGS Detector 1 Calibration End-On / Side-On Gain Ratio	0.992258	
S2BI	HNGS Detector 2 Calibration Bismuth Count Rate	1.3	CPS
S2NA	HNGS Detector 2 Calibration Sodium Count Rate	29.4941	CPS
S2NG	HNGS Detector 2 Calibration End-On / Side-On Gain Ratio	0.981545	
SABK	HNGS Statistical Uncertainty in Borehole Potassium Running Average	0.000366421	
SGRC	HNGS Standard Gamma-Ray Correction Flag	YES	
SHT	Surface Hole Temperature	68	DEGF
TD	Total Depth	11469.8	FT
TPOS	Tool Position	ECCE	
VBA1	HNGS Detector 1 Variable Barite Factor Running Average	1.08021	
VBA2	HNGS Detector 2 Variable Barite Factor Running Average	0.983989	

Format: APSLiquidPorosity_1 Vertical Scale: 1:200 Graphics File Created: 21-Apr-2000 07:24

OP System Version: 9C1-303

MCM

DIT-E	9C1-303	DTA-A	9C1-303
HLDS	9C1-303	NPLC-B	9C1-303
APS-BA	9C1-303	HNGS-BA	9C1-303
DTC-H	9C1-303		

Output DLIS Files

DEFAULT	DITE .011	FN:17 PRODUCER	21-Apr-2000 07:24
DITE_CUST	DITE .011	FN:18 PRODUCER	21-Apr-2000 07:24

Calibration and Check Summary

Measurement	Nominal	Master	Before	After	Change	Limit	Units
Hostile Litho-Density Sonde Wellsite Calibration - Background Measurement							
Master: 10-MAR-2000 10:06 Before: 17-MAR-2000 18:41 After: 21-APR-2000 10:34							
SS Total Countrate Bkg	1645	1446	1441	1438	-3.191	80.00	CPS
SS HV Measured Bkg	1100	1077	1070	1070	-0.08301	80.00	V
SS Cs Centroid Bkg	661.0	661.3	661.0	661.4	0.3835	1.500	KEV
SS Cs Resolution Bkg	9.000	8.490	8.564	8.498	-0.06644	1.800	%
LS Total Countrate Bkg	1645	1468	1467	1468	0.3845	80.00	CPS
LS HV Measured Bkg	1100	1195	1190	1188	-2.429	80.00	V
LS Cs Centroid Bkg	661.0	661.3	661.2	661.2	0.04645	1.500	KEV
LS Cs Resolution Bkg	9.000	8.744	8.772	8.837	0.06551	1.800	%
Hostile Litho-Density Sonde Wellsite Calibration - Caliper Calibration							
Before: 17-MAR-2000 19:48							
HLDS Caliper Small Ring	8.000	N/A	9.714	N/A	N/A	N/A	IN
HLDS Caliper Large Ring	12.00	N/A	13.89	N/A	N/A	N/A	IN
Accelerator-Porosity Tool Wellsite Calibration - Detector Background							
Master: 2-FEB-2000 21:50 Before: 21-APR-2000 2:18 After: 21-APR-2000 7:05							
Near Det Bkg Cntrate	30.00	32.07	32.82	32.20	-0.6148	N/A	CPS

Near Det Bkg Cntrate	30.00	32.07	32.02	32.20	33.49	0.8148	N/A	CPS
Far Det Bkg Cntrate	30.00	32.19	32.41	33.49	33.49	1.080	N/A	CPS
Array-1 Det Bkg Cntrate	30.00	28.58	29.01	29.69	29.69	0.6811	N/A	CPS
Array-2 Det Bkg Cntrate	30.00	30.06	29.14	30.01	30.01	0.8639	N/A	CPS
Array Therm Det Bkg Cntrate	30.00	33.94	33.90	35.35	35.35	1.447	N/A	CPS

Accelerator-Porosity Tool Wellsite Calibration - Detector Plateau Settings

Master: 2-FEB-2000 20:07

Near Detector Plateau Setting	1650	1762	N/A	N/A	N/A	N/A	N/A	V
Far Detector Plateau Setting	2000	2069	N/A	N/A	N/A	N/A	N/A	V
Array Detector Plateau Setting	2000	1987	N/A	N/A	N/A	N/A	N/A	V

Accelerator-Porosity Tool Wellsite Calibration - Calibration Ratios

Master: 2-FEB-2000 21:50

Near/Far Calibration Ratio	0.9250	0.9031	N/A	N/A	N/A	N/A	N/A	
Near/Array Calibration Ratio	1.030	1.068	N/A	N/A	N/A	N/A	N/A	

Accelerator-Porosity Tool Master Calibration - Tank Check

Master: 2-FEB-2000 21:50

Array-1 Standoff Porosity	10.25	11.71	--	--	--	--	--	PU
Array-2 Standoff Porosity	10.25	11.59	--	--	--	--	--	PU
Sigma Formation	27.50	27.75	--	--	--	--	--	CU

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 1 Check

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 21-APR-2000 10:35

Na 511 Peak Loc	40.00	40.51	40.70	40.67	-0.03928	1.000		
Na 511 Peak Res	15.50	15.86	15.41	15.38	-0.02697	2.000		%
High Voltage	1150	1114	1112	1113	1.265	30.00		V
Na 1785 Peak Loc	142.6	145.5	145.3	145.2	-0.1492	7.000		
Na 1785 Peak Res	8.500	9.054	8.948	9.603	0.6542	2.000		%
Temperature	15.50	8.268	21.55	15.17	-6.379	N/A		DEGC
Na Count Rate	45.00	28.90	27.69	26.48	-1.208	8.000		CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Detector 2 Check

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 21-APR-2000 10:35

Na 511 Peak Loc	40.00	40.64	40.50	40.68	0.1817	1.000		
Na 511 Peak Res	15.50	14.00	15.27	14.59	-0.6871	2.000		%
High Voltage	1150	1201	1200	1199	-1.425	30.00		V
Na 1785 Peak Loc	142.6	144.2	145.0	145.0	0.01640	7.000		
Na 1785 Peak Res	8.500	8.101	8.587	7.770	-0.8167	2.000		%
Temperature	15.50	7.197	20.53	15.41	-5.111	N/A		DEGC
Na Count Rate	45.00	29.49	28.21	26.74	-1.471	8.000		CPS

Hostile Natural Gamma Ray Sonde Wellsite Calibration - Ratio Of Detector 1 To Detector 2

Master: 2-FEB-2000 11:55 Before: 17-MAR-2000 18:42 After: 21-APR-2000 10:35

Coincidence Count Rate Ratio	1.000	0.9809	0.9840	0.9869	0.002968	0.05000		
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Hostile Natural Gamma Ray Sonde Master Calibration - Detector 1 Calibration

Master: 2-FEB-2000 11:43

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	--	
Th Peak Loc	209.6	211.3	--	--	--	--	--	
Th Peak Res	7.000	7.466	--	--	--	--	--	%
Background Count Rate	142.5	18.16	--	--	--	--	--	CPS
Gain Ratio	1.000	0.9923	--	--	--	--	--	

Hostile Natural Gamma Ray Sonde Master Calibration - Detector 2 Calibration

Master: 2-FEB-2000 11:43

Na 511 Peak Set Point	40.00	41.00	--	--	--	--	--	
Th Peak Loc	209.6	209.6	--	--	--	--	--	
Th Peak Res	7.000	6.194	--	--	--	--	--	%
Background Count Rate	142.5	20.51	--	--	--	--	--	CPS
Gain Ratio	1.000	0.9815	--	--	--	--	--	

Dual Induction - E / Equipment Identification

Primary Equipment:

Dual Induction Sonde	DIS - HB	200
Dual Induction Cartridge	DIC - EB	171

Auxiliary Equipment:

Mass Isolated Housing	MIH - ZA	174
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Hostile Litho-Density Sonde / Equipment Identification

Primary Equipment:

Hostile Litho-Density Sonde	HLDS - D	25
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Hostile Litho Density Sonde
 Hostile Litho Density High Voltage
 Gamma Source Radioactive

HLDS - D 35
 HLDV - D 35
 GSR - Z 1846

Auxiliary Equipment:

Hostile Litho Density Pad
 Hostile Litho Density High Voltage Housi

HLDP - C 12
 HEH - H 35

Hostile Litho-Density Sonde Wellsite Calibration									
Background Measurement									
Phase	SS Total Countrate Bkg CPS	Value	Phase	SS HV Measured Bkg V	Value	Phase	SS PSC DAC Value Bkg	Value	
Master		1446	Master		1077	Master		15060	
Before		1441	Before		1070	Before		15540	
After		1438	After		1070	After		16020	
	1000 (Minimum) 1645 (Nominal) 2290 (Maximum)			800.0 (Minimum) 1100 (Nominal) 1400 (Maximum)			14100 (Minimum) 16000 (Nominal) 20000 (Maximum)		
Phase	SS Cs Centroid Bkg KEV	Value	Phase	SS Cs Resolution Bkg %	Value	Phase	LS Total Countrate Bkg CPS	Value	
Master		661.3	Master		8.490	Master		1468	
Before		661.0	Before		8.564	Before		1467	
After		661.4	After		8.498	After		1468	
	656.0 (Minimum) 661.0 (Nominal) 666.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			1000 (Minimum) 1645 (Nominal) 2290 (Maximum)		
Phase	LS HV Measured Bkg V	Value	Phase	LS PSC DAC Value Bkg	Value	Phase	LS Cs Centroid Bkg KEV	Value	
Master		1195	Master		16550	Master		661.3	
Before		1190	Before		16970	Before		661.2	
After		1188	After		17570	After		661.2	
	800.0 (Minimum) 1100 (Nominal) 1400 (Maximum)			14100 (Minimum) 16000 (Nominal) 20000 (Maximum)			656.0 (Minimum) 661.0 (Nominal) 666.0 (Maximum)		
Phase	LS Cs Resolution Bkg %	Value	Phase	LSW1 Background CPS	Value	Phase	LSW2 Background CPS	Value	
Master		8.744	Master		87.58	Master		82.28	
Before		8.772	Before		87.85	Before		80.44	
After		8.837	After		86.80	After		81.18	
	7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)			55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)		
Phase	LSW3 Background CPS	Value	Phase	LSW4 Background CPS	Value	Phase	LSW5 Background CPS	Value	
Master		180.2	Master		219.3	Master		502.6	
Before		180.7	Before		219.2	Before		504.5	
After		180.2	After		219.7	After		503.2	
	110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)			140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)		
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value	
Master		88.30	Master		157.6	Master		422.5	
Before		88.74	Before		157.4	Before		421.0	
After		87.19	After		156.6	After		418.2	
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)			280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)		
Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value				
Master		223.9	Master		163.1				
Before		222.0	Before		162.9				
After		221.9	After		162.9				
	150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)					
Master: 10-MAR-2000 10:06			Before: 17-MAR-2000 18:41			After: 21-APR-2000 10:34			

Hostile Litho-Density Sonde Master Calibration									
Detector Background Measurement									
Phase	LSW1 Background CPS	Value	Phase	LSW2 Background CPS	Value	Phase	LSW3 Background CPS	Value	
Master		87.58	Master		82.28	Master		180.2	
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			50.00 (Minimum) 100.0 (Nominal) 140.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 290.0 (Maximum)		

Phase	LSW4 Background CPS	Value	Phase	LSW5 Background CPS	Value	Phase	LS Cs Resolution Bkg %	Value
Master		219.3	Master		502.6	Master		8.744
	140.0 (Minimum) 250.0 (Nominal) 360.0 (Maximum)			330.0 (Minimum) 600.0 (Nominal) 830.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	
Phase	SSW1 Background CPS	Value	Phase	SSW2 Background CPS	Value	Phase	SSW3 Background CPS	Value
Master		88.30	Master		157.6	Master		422.5
	55.00 (Minimum) 100.0 (Nominal) 150.0 (Maximum)			100.0 (Minimum) 200.0 (Nominal) 260.0 (Maximum)			280.0 (Minimum) 500.0 (Nominal) 700.0 (Maximum)	
Phase	SSW4 Background CPS	Value	Phase	SSW5 Background CPS	Value	Phase	SS Cs Resolution Bkg %	Value
Master		223.9	Master		163.1	Master		8.490
	150.0 (Minimum) 270.0 (Nominal) 380.0 (Maximum)			110.0 (Minimum) 200.0 (Nominal) 270.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	

Master: 10-MAR-2000 10:06

Hostile Litho-Density Sonde Master Calibration								
Detector Aluminum Measurement (bkgd-subtracted)								
Phase	LSW1 Aluminum CPS	Value	Phase	LSW2 Aluminum CPS	Value	Phase	LSW3 Aluminum CPS	Value
Master		582.8	Master		846.4	Master		1038
	420.0 (Minimum) 600.0 (Nominal) 700.0 (Maximum)			650.0 (Minimum) 900.0 (Nominal) 1050 (Maximum)			800.0 (Minimum) 1100 (Nominal) 1300 (Maximum)	
Phase	LSW4 Aluminum CPS	Value	Phase	LSW5 Aluminum CPS	Value	Phase	LS Cs Resolution Al %	Value
Master		521.8	Master		503.1	Master		8.769
	410.0 (Minimum) 580.0 (Nominal) 670.0 (Maximum)			410.0 (Minimum) 570.0 (Nominal) 660.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	
Phase	SSW1 Aluminum CPS	Value	Phase	SSW2 Aluminum CPS	Value	Phase	SSW3 Aluminum CPS	Value
Master		2302	Master		6741	Master		9846
	2000 (Minimum) 2800 (Nominal) 3200 (Maximum)			5800 (Minimum) 8000 (Nominal) 9300 (Maximum)			8300 (Minimum) 11600 (Nominal) 13500 (Maximum)	
Phase	SSW4 Aluminum CPS	Value	Phase	SSW5 Aluminum CPS	Value	Phase	SS Cs Resolution Al %	Value
Master		4263	Master		614.4	Master		8.321
	3500 (Minimum) 5000 (Nominal) 5800 (Maximum)			470.0 (Minimum) 660.0 (Nominal) 770.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	

Master: 10-MAR-2000 10:32

Hostile Litho-Density Sonde Master Calibration								
Detector Litholog Measurement (bkgd-subtracted)								
Phase	LSW1 Iron CPS	Value	Phase	LSW2 Iron CPS	Value	Phase	LSW3 Iron CPS	Value
Master		390.1	Master		675.7	Master		916.0
	290.0 (Minimum) 400.0 (Nominal) 470.0 (Maximum)			520.0 (Minimum) 730.0 (Nominal) 850.0 (Maximum)			720.0 (Minimum) 1000 (Nominal) 1160 (Maximum)	
Phase	LSW4 Iron CPS	Value	Phase	LSW5 Iron CPS	Value	Phase	LS Cs Resolution Al + Fe %	Value
Master		480.4	Master		458.6	Master		8.711
	370.0 (Minimum) 520.0 (Nominal) 600.0 (Maximum)			340.0 (Minimum) 470.0 (Nominal) 550.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	
Phase	SSW1 Iron CPS	Value	Phase	SSW2 Iron CPS	Value	Phase	SSW3 Iron CPS	Value
Master		1724	Master		5643	Master		9018
	1500 (Minimum) 2100 (Nominal) 2400 (Maximum)			4900 (Minimum) 6800 (Nominal) 7900 (Maximum)			7800 (Minimum) 10800 (Nominal) 12600 (Maximum)	
Phase	SSW4 Iron CPS	Value	Phase	SSW5 Iron CPS	Value	Phase	SS Cs Resolution Al + Fe %	Value
Master		3917	Master		546.4	Master		8.344
	3300 (Minimum) 4600 (Nominal) 5400 (Maximum)			420.0 (Minimum) 580.0 (Nominal) 680.0 (Maximum)			7.000 (Minimum) 9.000 (Nominal) 11.00 (Maximum)	

Master: 10-MAR-2000 10:27

Hostile Litho-Density Sonde Master Calibration								
Quality Ratios								
Phase	AL CALIBRATION RATIO 1	Value	Phase	AL CALIBRATION RATIO 2	Value	Phase	AL CALIBRATION RATIO 3	Value
Master		1.012	Master		2.019	Master		0.5686
	0.9000 (Minimum) 1.000 (Nominal) 1.100 (Maximum)			1.800 (Minimum) 2.000 (Nominal) 2.200 (Maximum)			0.4500 (Minimum) 0.5500 (Nominal) 0.6500 (Maximum)	
Phase	AL CALIBRATION RATIO 4	Value	Phase	Pad-Wear SS Ratio	Value	Phase	Pad-Wear LS Ratio	Value
Master		0.4720	Master	EXCEEDS LIMIT	0.9962	Master	EXCEEDS LIMIT	0.9729
	0.4000 (Minimum) 0.5000 (Nominal) 0.6000 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)			0.9800 (Minimum) 0.9880 (Nominal) 0.9960 (Maximum)	

Phase	Pad-Position SS Ratio	Value	Phase	Pad-Position LS Ratio	Value	See Remarks
Master		1.003	Master		0.9942	
	0.9900 (Minimum) 0.9940 (Nominal) 1.015 (Maximum)			0.9850 (Minimum) 0.9940 (Nominal) 1.010 (Maximum)		

Master: 10-MAR-2000 10:22

Nuclear Porosity Lithology Cartridge - B / Equipment Identification

Primary Equipment:			
NPLC Cartridge	NPLC - B	82	
Auxiliary Equipment:			
NPLC Housing	NPH - B	82	

Accelerator-Porosity Tool / Equipment Identification

Primary Equipment:			
Accelerator-Porosity Sonde	APS - BA	22	
APS Minitron	MNTR - F	4185	
Auxiliary Equipment:			
Accelerator-Porosity Housing	APH - AC	22	
APS Calibration Water Tank	SFT - 178	4722	
APS Aluminium Calibrator Sleeve	SFT - 281	24	

Accelerator-Porosity Tool Wellsite Calibration

Detector Background

Phase	Near Det Bkg Cntrate CPS	Value	Phase	Far Det Bkg Cntrate CPS	Value	Phase	Array-1 Det Bkg Cntrate CPS	Value
Master		32.07	Master		32.19	Master		28.58
Before		32.82	Before		32.41	Before		29.01
After		32.20	After		33.49	After		29.69
	0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)	
Phase	Array-2 Det Bkg Cntrate CPS	Value	Phase	Array Therm Det Bkg Cntrate CPS	Value			
Master		30.06	Master		33.94			
Before		29.14	Before		33.90			
After		30.01	After		35.35			
	0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)			0 (Minimum) 30.00 (Nominal) 50.00 (Maximum)				

Master: 2-FEB-2000 21:50

Before: 21-APR-2000 2:18

After: 21-APR-2000 7:05

Accelerator-Porosity Tool Wellsite Calibration

Detector Plateau Settings

Phase	Near Detector Plateau Setting V	Value	Phase	Far Detector Plateau Setting V	Value	Phase	Array Detector Plateau Setting V	Value
Master		1762	Master		2069	Master		1987
	1400 (Minimum) 1650 (Nominal) 1900 (Maximum)			1750 (Minimum) 2000 (Nominal) 2250 (Maximum)			1750 (Minimum) 2000 (Nominal) 2250 (Maximum)	

Master: 2-FEB-2000 20:07

Accelerator-Porosity Tool Wellsite Calibration

Calibration Ratios

Phase	Near/Far Calibration Ratio	Value	Phase	Near/Array Calibration Ratio	Value
Master		0.9031	Master		1.068
	0.8000 (Minimum) 0.9250 (Nominal) 1.050 (Maximum)			0.9000 (Minimum) 1.030 (Nominal) 1.150 (Maximum)	

Master: 2-FEB-2000 21:50

Accelerator-Porosity Tool Master Calibration

Detector Calibration

Phase	Near Detector Plateau Setting V	Value	Phase	Far Detector Plateau Setting V	Value	Phase	Array Detector Plateau Setting V	Value
Master		1762	Master		2069	Master		1987

1400 (Minimum)	1650 (Nominal)	1900 (Maximum)	1750 (Minimum)	2000 (Nominal)	2250 (Maximum)	1750 (Minimum)	2000 (Nominal)	2250 (Maximum)	
Phase	Near/Far Calibration Ratio		Value		Phase	Near/Array Calibration Ratio		Value	
Master			0.9031		Master			1.068	
	0.8000 (Minimum)	0.9250 (Nominal)	1.050 (Maximum)			0.9000 (Minimum)	1.030 (Nominal)	1.150 (Maximum)	

Master: 2-FEB-2000 20:07

Accelerator-Porosity Tool Master Calibration														
Tank Check														
Phase	Array-1 Standoff Porosity	PU	Value		Phase	Array-2 Standoff Porosity	PU	Value		Phase	Sigma Formation	CU	Value	
Master			11.71		Master			11.59		Master			27.75	
	5.500 (Minimum)	10.25 (Nominal)	15.00 (Maximum)			5.500 (Minimum)	10.25 (Nominal)	15.00 (Maximum)			20.00 (Minimum)	27.50 (Nominal)	35.00 (Maximum)	

Master: 2-FEB-2000 21:50

Hostile Natural Gamma Ray Sonde / Equipment Identification			
Primary Equipment:	HNGS Sonde	HNGS - BA	27
Auxiliary Equipment:	HNGS Sonde Housing	HNSH - BA	27
	Gamma Source Radioactive	GSR - U	135

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 1 Check														
Phase	Na 511 Peak Loc	Value		Phase	Na 511 Peak Res %	Value		Phase	High Voltage V	Value				
Master			40.51		Master			15.86		Master			1114	
Before			40.70		Before			15.41		Before			1112	
After			40.67		After			15.38		After			1113	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (Maximum)			12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)			900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value		Phase	Na 1785 Peak Res %	Value		Phase	Temperature DEGC	Value				
Master			145.5		Master			9.054		Master			8.268	
Before			145.3		Before			8.948		Before			21.55	
After			145.2		After			9.603		After			15.17	
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	
Phase	Na Count Rate CPS	Value												
Master			28.90											
Before			27.69											
After			26.48											
	15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)											

Master: 2-FEB-2000 11:55

Before: 17-MAR-2000 18:42

After: 21-APR-2000 10:35

Hostile Natural Gamma Ray Sonde Wellsite Calibration														
Detector 2 Check														
Phase	Na 511 Peak Loc	Value		Phase	Na 511 Peak Res %	Value		Phase	High Voltage V	Value				
Master			40.64		Master			14.00		Master			1201	
Before			40.50		Before			15.27		Before			1200	
After			40.68		After			14.59		After			1199	
	37.50 (Minimum)	40.00 (Nominal)	42.50 (Maximum)			12.00 (Minimum)	15.50 (Nominal)	19.00 (Maximum)			900.0 (Minimum)	1150 (Nominal)	1600 (Maximum)	
Phase	Na 1785 Peak Loc	Value		Phase	Na 1785 Peak Res %	Value		Phase	Temperature DEGC	Value				
Master			144.2		Master			8.101		Master			7.197	
Before			145.0		Before			8.587		Before			20.53	
After			145.0		After			7.770		After			15.41	
	135.0 (Minimum)	142.6 (Nominal)	150.3 (Maximum)			7.000 (Minimum)	8.500 (Nominal)	11.00 (Maximum)			-28.89 (Minimum)	15.50 (Nominal)	60.00 (Maximum)	

(Minimum)	(Nominal)	(Maximum)	(Minimum)	(Nominal)	(Maximum)
Phase	Na Count Rate CPS		Value		
Master			29.49		
Before			28.21		
After			26.74		
15.00 (Minimum)	45.00 (Nominal)	100.0 (Maximum)			
Master: 2-FEB-2000 11:55			Before: 17-MAR-2000 18:42		
			After: 21-APR-2000 10:35		

Hostile Natural Gamma Ray Sonde Wellsite Calibration		
Ratio Of Detector 1 To Detector 2		
Phase	Coincidence Count Rate Ratio	Value
Master		0.9809
Before		0.9840
After		0.9869
0.9500 (Minimum)	1.000 (Nominal)	1.050 (Maximum)
Master: 2-FEB-2000 11:55		
Before: 17-MAR-2000 18:42		
After: 21-APR-2000 10:35		

Hostile Natural Gamma Ray Sonde Master Calibration											
Detector 1 Calibration											
Phase	Na 511 Peak Set Point		Value	Phase	Th Peak Loc		Value	Phase	Th Peak Res %		Value
Master			41.00	Master			211.3	Master			7.466
	38.00 (Minimum)	40.00 (Nominal)	42.00 (Maximum)		201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)		5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS		Value	Phase	Gain Ratio		Value	See Remarks			
Master			18.16	Master			0.9923				
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)				
Master: 2-FEB-2000 11:43											

Hostile Natural Gamma Ray Sonde Master Calibration											
Detector 2 Calibration											
Phase	Na 511 Peak Set Point		Value	Phase	Th Peak Loc		Value	Phase	Th Peak Res %		Value
Master			41.00	Master			209.6	Master			6.194
	38.00 (Minimum)	40.00 (Nominal)	42.00 (Maximum)		201.0 (Minimum)	209.6 (Nominal)	218.3 (Maximum)		5.000 (Minimum)	7.000 (Nominal)	9.000 (Maximum)
Phase	Background Count Rate CPS		Value	Phase	Gain Ratio		Value	See Remarks			
Master			20.51	Master			0.9815				
	20.00 (Minimum)	142.5 (Nominal)	265.0 (Maximum)		0.9400 (Minimum)	1.000 (Nominal)	1.060 (Maximum)				
Master: 2-FEB-2000 11:43											

COMPANY:	Lamont Doherty	BOTTOM LOG INTERVAL	3103 m
WELL:	ODP Leg 189, Site 1171D (STR-2A)	SCHLUMBERGER DEPTH	3118 m
FIELD:	Tasmanian Seaway, West Tasmania Site	DEPTH DRILLER	3117.8 m
COUNTY:	Offshore	KELLY BUSHING	11.2 m
STATE:	Indian Ocean	DRILL FLOOR	10.9 m
		GROUND LEVEL	-2148

Density/APS Porosity

Schlumberger

Gamma Ray