

Potassium	%	n/a	n/a							
Environmental data										
GR										
Mud weight	ppg	12.1	12.0							
Bit size	in.	13.5	13.5							
Resistivity										
Neutron porosity										
Hole Size	in.	13.5	13.5							
Mud weight	ppg	12.1	12.0							
Temperature	°C	61.0	60.0							
Mud salinity	ppk	84.0	54.1							
Formation salinity		n/a	n/a							
Recording rate 1	SEC	6 (Res)	10 (Res)							
Recording rate 2	SEC	10 (De,Nu)	10 (De,Nu)							
Filtering GR		3 pts	3 pts							
Filtering density		3 pts	3 pts							
Filtering Neutron		3 pts	3 pts							
Company representative		S.De Freitas	S.Stefan	S.T.D.Aung	P.Sellathurai	P.Dassens	J.Condon			
Anadrill personnel		YuDa	Chris.H							

<p style="text-align: center;">DISCLAIMER</p> <p>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.</p>		
OTHER SERVICES FOR RUN3 Directional Drilling Directional Surveys Shock & Vibrations	OTHER SERVICES FOR RUN4 Directional Drilling Directional Surveys Shock & Vibrations	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 3 Depth is referenced to Driller's Depth Gamma Ray is corrected for mud weight ,tool size and bit size Resistivity is borehole compensated and environmentally corrected Neutron porosity is corrected for the effects of borehole size(bit size),temperature,mud salinity,and mud hydrogen index (a factor of mud weight,mud temperature and pressure). Neutron porosity is calculated using a limestone matrix density of 2.71 g/cm3. POOH due to reaching Downhole Tool Failure.	REMARKS: RUN NUMBER 4 Depth is referenced to Driller's Depth Gamma Ray is corrected for mud weight,tool size and bit size. Resistivity is borehole compensated and environmentally corrected Neutron porosity is corrected for the effects of borehole size(bit size),temperature,mud salinity,and mud hydrogen index (a factor of mud weight,mud temperature and pressure). Neutron porosity is calculated using a limestone matrix density of 2.71 g/cm3. Low Data density between 2013.0m & 2019.0m due to tripping in speed before tagging botttom. POOH due to reaching TD.	REMARKS: RUN NUMBER

EQUIPMENT DESCRIPTION		
RUN3	RUN4	RUN

DOWNHOLE EQUIPMENT

Source SN: N400/7793B

8.25" ADN 29.77

SN: VC73 Neutron 27.565

DHS: 8.2 Density 26.625

UltraSonic 26.19

PowerPulse 23.20

SN: E405

DHS: 8.0

D&I 18.94

8.25" ARC 14.82

SN: 1815

DHS: 9.3 Gamma Ray Resistivity 10.52

10.47

9" PowerDrive 9.29

SN: 52680

BladeOD 12.13

13.5" BIT-PDC 0.00 0.26

SN: 219224

Maximum string diameter 13.50 in.

All lengths in Meters

DOWNHOLE EQUIPMENT

Source SN: N400/7793B

8.25" ADN 30.68

SN: 43150 Neutron 28.465

DHS: 8.2 Density 27.53

UltraSonic 27.10

8" PowerPulse 24.10

SN: E405

DHS: 8.0

D&I 19.84

8.25" ARC 15.72

SN: 1854 Gamma Ray Resistivity 12.36

DHS: 9.3 12.31

9" PowerDrive 9.35

SN: 50240

BladeOD 13.20

13.5" BIT-PDC 0.00 0.28

SN: JY2593

Maximum string diameter 13.50 in.

All lengths in Meters

Variable Name	Variable Description	Run Name & Value		
	Run Number		3	4
	General Information			
BHT_RM	Bottom Hole Temperature (RM)	DEGC	84.000	92.000
BSAL_RM	Mud Salinity (RM)	PPK	84.000	54.100
BS_RM	Bit Size (RM)	IN	13.500	13.500
COEF_M	User Defined FEXP in Clean Sand	----	1.650	1.650
C_WS	Overpressure correction to Sw and M	----	1.000	1.000
FEXP	Formation Factor Exponent (RM)	----	2.000	2.000
FNUM	Formation Factor Enumerator (RM)	----	1.000	1.000
FPHI_RM	Formation Factor Porosity Source (RM)	----	DENSITY	DENSITY
MST_RM	Mud Sample temperature (RM)	DEGC	61.000	60.000
MW_RM	Mud Weight (RM)	LB/G	12.000	12.000
OBMF_RM	Oil Based Mud (RM)	----	YES	YES
RHOF_RM	Mud Filtrate Density (RM)	G/C3	1.000	1.000
RHOM_RM	Matrix density (RM)	G/C3	2.710	2.710
RMS_RM	Resistivity of Mud Sample (RM)	OHMM	1000.000	1000.000
RWA_COMP_M	Rwa computation model			
RWA_DEN_AD	Rwa Density Input ADN			
RWA_DEN_CD	Rwa Density Input CDN			
RWA_DEN_IN	Rwa Density Input			
RWA_FORM_M	Rwa computation formation model			
RWA_RES_IN	Rwa computation resistivity input			
RWS_RM	Resistivity of Connate Water (RM)	OHMM	1.000	1.000
SHT_RM	Ground Level Temperature (Mud-Line When Offshore) (RM)	DEGC	22.000	22.000
TD_RM	Total Measured Depth (RM)	M	2031.000	2600.000
TWS_RM	Temperature of Connate Water (RM)	DEGC	24.000	24.000
VF_ILLI	Fraction of illite in shales	----	0.500	0.500
VF_KAOL	Fraction of kaolinite in shales	----	0.500	0.500
VF_MONT	Fraction of montmorillonite in shales	----	0.000	0.000
XPDM_RM	Cross plot density porosity multiplier	----	0.675	0.675
XPNM_RM	Cross plot neutron porosity multiplier	----	0.325	0.325
	ARC			
A12A	ARC Air Cal Attenuation From T1 at 2 MHz	DB	8.438	8.586
A14A	ARC Air Cal Attenuation From T1 at 400 KHz	DB	8.462	8.591
A22A	ARC Air Cal Attenuation From T2 at 2 MHz	DB	6.238	6.067
A24A	ARC Air Cal Attenuation From T2 at 400 KHz	DB	6.221	6.072
A32A	ARC Air Cal Attenuation From T3 at 2 MHz	DB	5.150	5.303
A34A	ARC Air Cal Attenuation From T3 at 400 KHz	DB	5.167	5.307
A42A	ARC Air Cal Attenuation From T4 at 2 MHz	DB	4.185	4.022
A44A	ARC Air Cal Attenuation From T4 at 400 KHz	DB	4.158	4.024
A52A	ARC Air Cal Attenuation From T5 at 2 MHz	DB	3.737	3.895
A54A	ARC Air Cal Attenuation From T5 at 400 KHz	DB	3.767	3.908
ABNT	Abnormal Transmitter Indicator	----	No_Tx_Failed	No_Tx_Failed
ADHS	ARC Down Hole Software Version	----	No_Tx_Failed	No_Tx_Failed
AM2A	ARC Air Cal Amplitude Offset at 2 MHz	----	-50000.000	-50000.000
ANISO_COMPUTE	Anisotropy Computation Option	----	YES	YES
APICG	ARC5 Gamma Ray Gain Factor	----	1.115	1.165
APIG	ARC Gamma Ray API Gain Factor	----	-1.000	-1.000
ATMP_ARC	ARC Select Temperature Channel	----	Annulus_Temp	Annulus_Temp
ATRN	ARC Tool Run Number	----	3	4
ATSN	ARC Tool Serial Number	----	1815	1854
AZMF	Formation DIP Azimuth	DEG	0.000	0.000
BH_COMPUTE	Borehole Inversion Computation Option	----	YES	YES
CALG	ARC Gamma Ray Cal Gain Factor	----	1.115	1.165
CALI_SLCT_ARC	ARC Caliper Selection	----	BITSIZE	BITSIZE
CDPTH_ARC	Process Start Depth	M	30.480	30.480
DIELEC_COMPUTE	Dielectric Computation Option	----	YES	YES
DIPF	Formation DIP Angle	DEG	0.000	0.000
ERRCT	Percentage Error Cutoff	----	4.500	4.500
GRSH	GR Shale (Invasion Computation Cutoff)	GAPI	1000.000	1000.000
HIGH_BLEND	High Resistivity Threshold for Blending	OHMM	2.000	2.000
INCLIN_B0	ARC Bias Constant (mg)	----	0.000	0.000
INCLIN_B1	ARC Bias First-order Coefficient (mg/degC)	----	0.000	0.000
INCLIN_B2	ARC Bias Secod-order Coeeficient (mg/degC)	----	0.000	0.000
INCLIN_B3	ARC Bias Third-order Coeeficient (mg/degC)	----	0.000	0.000
INCLIN_C0	ARC Current Scale Factor Constant (mA/g)	----	1.000	1.000
INCLIN_C1	ARC Scale First-order Coeeficient (mA/g/degC)	----	0.000	0.000
INCLIN_C2	ARC Scale Second-order Coeeficient (mA/g/degC)	----	0.000	0.000
INCLIN_C3	ARC Scale Third-order Coeeficient (mA/g/degC)	----	0.000	0.000
INVAS_COMPUTE	Invasion Computation Option	----	YES	YES
JSD_ARC	ARC Acquisition start date	----	YES	YES
KPER	Potassium Concentration (RM)	----	0.000	0.000
LOW_BLEND	Low Resistivity Threshold for Blending	OHMM	1.000	1.000
MSWS	ARC Wizard Model Switch Window	M	1.524	1.524
MULTIEFFECT_COM	Multi Effect Option	----	YES	YES
P11AC_RM	ARC: Air Calibration For Phase T1 to R1	DEG	-999.250	-999.250
P12A	ARC Air Cal Phase-Shift From T1 at 2 MHz	DEG	2.172	0.575
P14A	ARC Air Cal Phase-Shift From T1 at 400 KHz	DEG	-0.328	0.319
P22A	ARC Air Cal Phase-Shift From T2 at 2 MHz	DEG	-2.111	-0.549
P24A	ARC Air Cal Phase-Shift From T2 at 400 KHz	DEG	0.306	-0.357
P32A	ARC Air Cal Phase-Shift From T3 at 2 MHz	DEG	2.077	0.491
P34A	ARC Air Cal Phase-Shift From T3 at 400 KHz	DEG	-0.313	0.338
P42A	ARC Air Cal Phase-Shift From T4 at 2 MHz	DEG	-2.142	-0.629
P44A	ARC Air Cal Phase-Shift From T4 at 400 KHz	DEG	0.239	-0.403
P52A	ARC Air Cal Phase-Shift From T5 at 2 MHz	DEG	2.056	0.481
P54A	ARC Air Cal Phase-Shift From T5 at 400 KHz	DEG	-0.312	0.328
POFFSET_ARC	ARC: Pressure Offset	PSI	0.000	0.000
PRTD	Preferred Resistivity Log for Rt Display while Multi-Effects	----	P34B	P34B

PSOF_ADJ_T1	ARC: User Input Phase offset	DEG	0.000	0.000
RESTIK	ARC resistivity tick source	----	Phase	Phase
RSD	LWD run start date dd-mm-yy	OHMM	29-Jun-08	03-Jul-08
RWA_COMP_MOD	Rwa computation model	----	CLAYCORR	CLAYCORR
RWA_DEN_ADN	Rwa Density Input	----	RHOB	RHOB
RWA_DEN_CDN	Rwa Density Input	----	RHOB	RHOB
RWA_DEN_INPUT	Rwa Density Input	----	RHOB	RHOB
RWA_FORM_MOD	Rwa computation formation model	----	CLASTIC	CLASTIC
RWA_RES_INPUT	Rwa computation resistivity input	----	P28H	P28H
SHIG	ARC High Shock Risk Level	CPS	0.500	0.500
SMED	ARC Medium Shock Risk Level	CPS	0.330	0.330
SMIN	ARC Minimum Shock Risk Level	CPS	0.160	0.160
SUPD	ARC Real Time Shock Update Rate	S	30.000	30.000
TCODE_ARC	ARC Tool File Code	S	30.000	30.000
TSIZ_ARC	ARC Tool Size	IN	8.250	8.250
UNIFORM_COMPUTE	Uniform Rock Option	----	YES	YES
VERS_ARC	ARC Down hole software version Number	----	9.300	9.300
WRK	to Report Potassium Concentration (RM)	----	K_by_Wgt_%	K_by_Wgt_%
ADN				
ADN_DATA_FIX	ADN: Create A Corrected ADN Time Data File	----	NO	NO
ADN_DATA_LTB	ADN: Create An ADN LTB Data File	----	NO	NO
ALPHA_COMPUTE_D	Perform Density Enhanced Vertical Resolution process ?	----	NO	YES
ALPHA_COMPUTE_N	Perform Neutron Enhanced Vertical Resolution process ?	----	NO	YES
AVE_ADN	ADN/Array Channels: perform averaging(RM) :	----	YES	YES
A_DHS	ADN Down Hole Software Version String	----	YES	YES
CHI_RM	Caliper High limit from BS (RM)	IN	3.000	3.000
CLO_RM	Caliper Low limit from BS (RM)	IN	0.000	0.000
DEVI	Well Section Deviation	DEG	20.870	25.000
DTIK_SEL	ADN: Density Tick Channel Name	----	LSAZ	LSAZ
DTMUD	Delta-T for Mud	US/F	216.000	208.000
DYN_IMG_COMPUTE	Generate Dynamic Normalized Image?	----	YES	YES
ENVCOR	Neutron Processing: Environmental Correction?	----	YES	YES
EVRL	EVR Process averaging number of samples (RM)	----	49	49
FAZ1_AVAIL	ADN8 Neutron Far Tube 1 Available?	----	YES	YES
FAZ2_AVAIL	ADN8 Neutron Far Tube 2 Available?	----	YES	YES
FAZ3_AVAIL	ADN8 Neutron Far Tube 3 Available?	----	YES	YES
FAZ4_AVAIL	ADN8 Neutron Far Tube 4 Available?	----	YES	YES
FAZ5_AVAIL	ADN8 Neutron Far Tube 5 Available?	----	YES	YES
FCD	Future Casing (Outer) Diameter	IN	0.000	0.000
GCSE	Generalized Caliper Selection	----	BS	BS
IDQT	Image Derived Quality Threshold	----	2.000	1.000
IHVS	Integrated Hole Volume Start Value(RM)	F3	0.000	0.000
IMAGE_MAX_SOA	Image SOA (Quadrant) Right Scale	IN	2.500	2.500
IMAGE_MAX_SPEF	Image PEF(Segment) Right Scale	----	6.000	6.000
IMAGE_MAX_SRHOB	Image RHOB(Segment) Right Scale	G/C3	2.650	2.650
IMAGE_MIN_SOA	Image SOA (Quadrant) Left Scale	IN	0.000	0.000
IMAGE_MIN_SPEF	Image PEF(Segment) Left Scale	----	2.000	2.000
IMAGE_MIN_SRHOB	Image RHOB(Segment) Left Scale	G/C3	2.050	2.050
JSD_ADN	ADN Acquisition start date	G/C3	2.050	2.050
LITHO_TYPE_ADN	Lithology (RM)	----	LIME	LIME
N1FTU_6_RM	ADN: Neutron Bank 1 Far Tubes used :	----	1-2-3	1-2-3
N2FTU_6_RM	ADN: Neutron Bank 2 Far Tubes used :	----	1-2-3	1-2-3
NNTU_8_RM	ADN: Neutron Near Tube used :	----	1-2-3	1-2-3
NTIK_SEL	ADN: Neutron Tick Channel Name	----	FAZ1	FAZ1
SOCNL	Standoff Distance of the CNL Tool	----	1.000	1.000
SSIZ_ADN	ADN Stabilizer Size	IN	8.250	8.250
STOH	ADN Density Top of Hole Sector (Left Boundary):	----	SECTOR_14	SECTOR_13
TRPM_RM	Average Tool Rotational Speed	RPM	20.000	20.000
USMIN_RM	ADN:Minimum Ultrasonic standoff (RM)	IN	0.180	0.180
USWF_RM	ADN:Process Ultrasonic Waveform?	----	YES	YES
VERS_ADN	ADN Downhole Software Version	----	8.200	8.200
WSDI	Window Size of Dynamic Normalization Image	M	4.572	4.572

Schlumberger Drilling & Measurements

ID13 Parameter Insert Header Software vers:

Longtom-4 RM 200TVD Log

ADN id13_0c_02

Format: 200TVD_ADN_ARC

Vertical Scale: 1:200

Graphics File Created: 23-Sep-2008 23:19

ARC Phase-Shift Resistivity 34-in. at 2

MHz (P34H)

0.2 (OHMM) 200

ARC Phase-Shift Resistivity 40-in. at 2

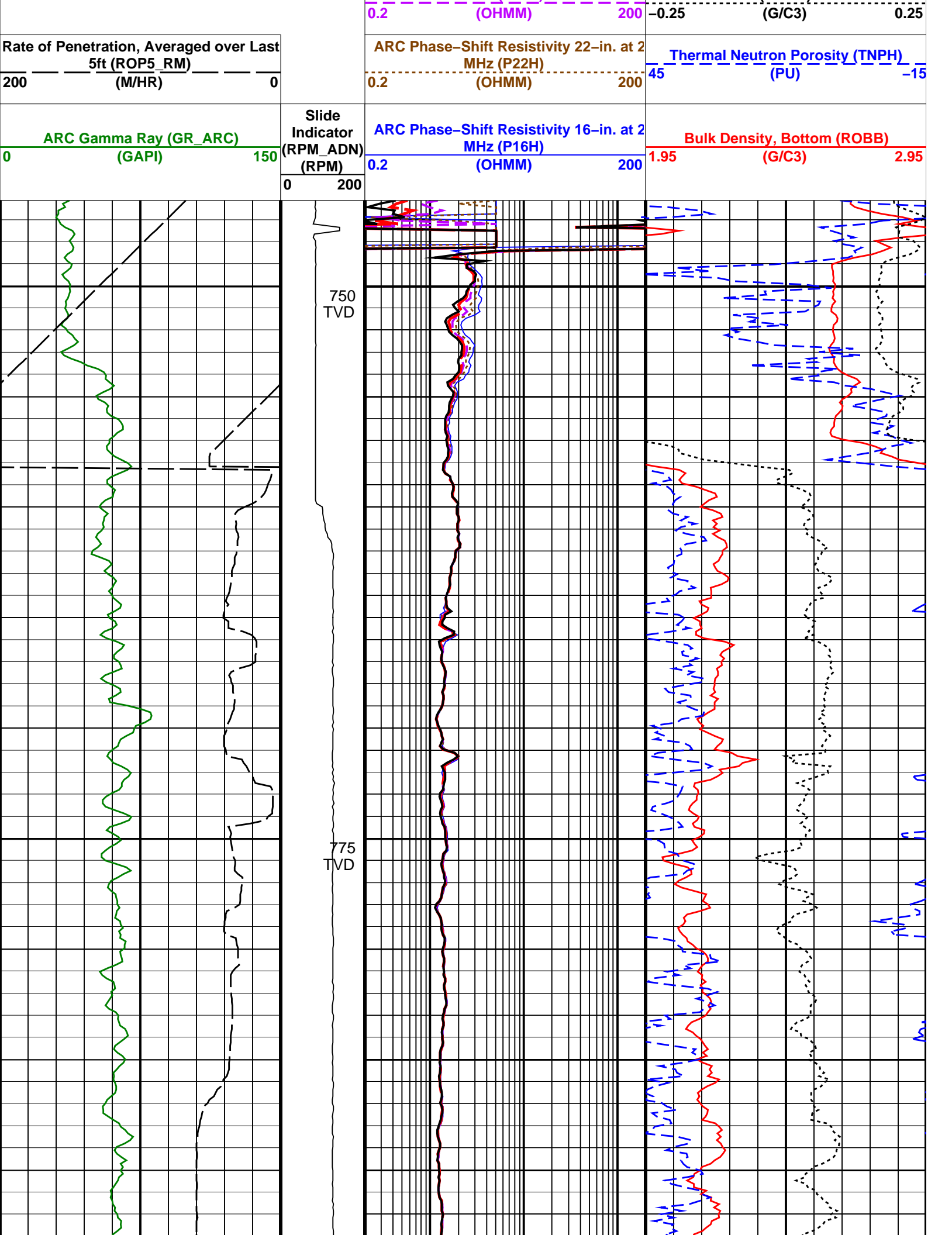
MHz (P40H)

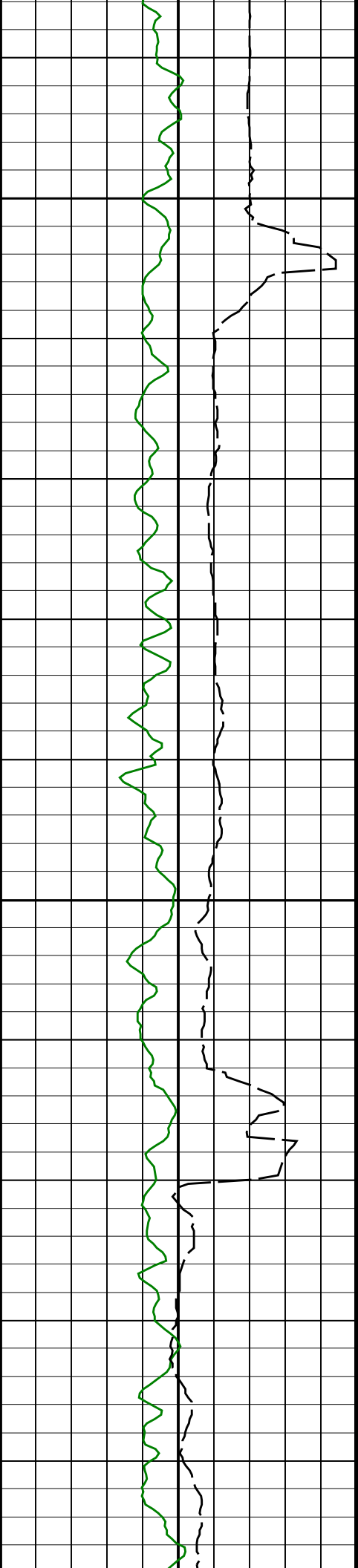
0.2 (OHMM) 200

ARC Phase-Shift Resistivity 28-in. at 2

MHz (P28H)

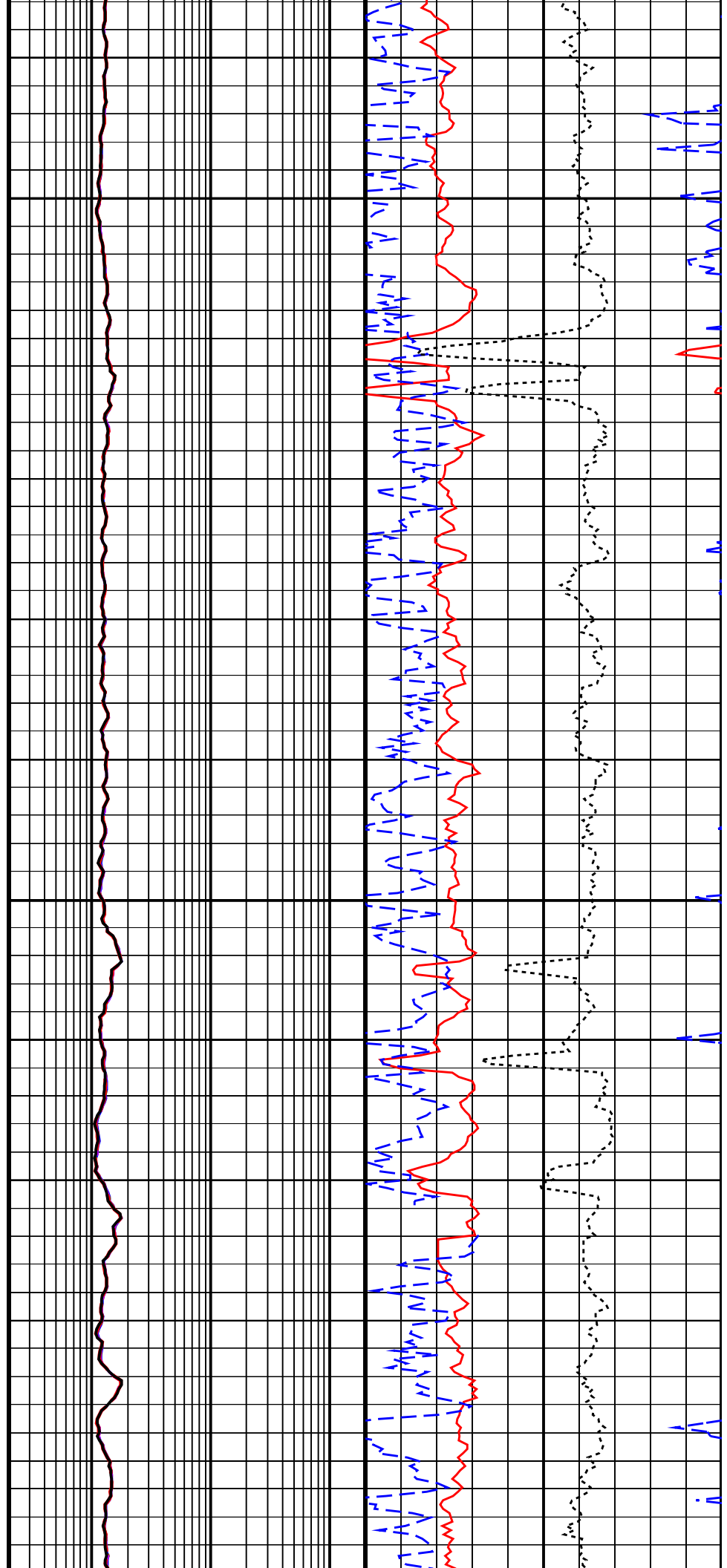
Bulk Density Correction, Bottom
(DRHB)

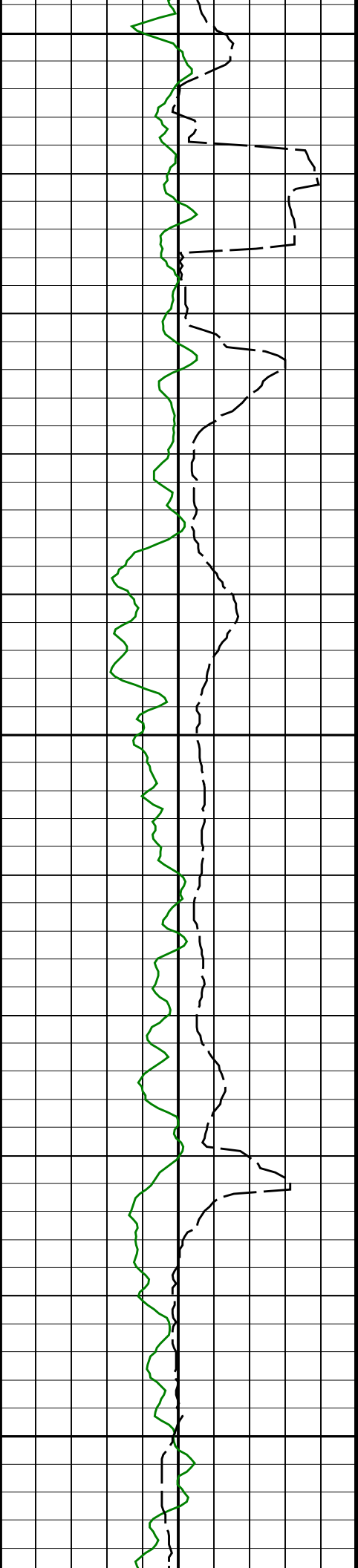




800
TVD

825
TVD

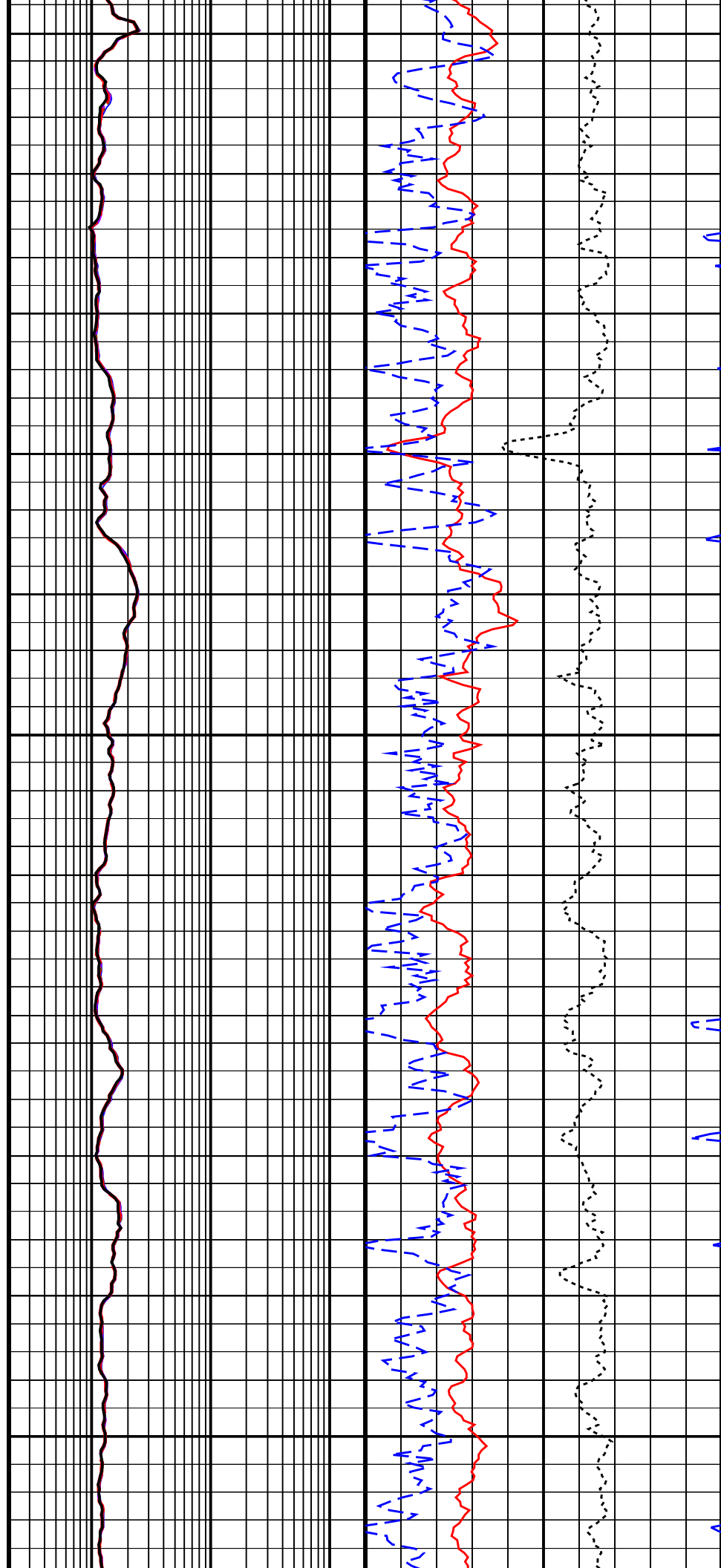


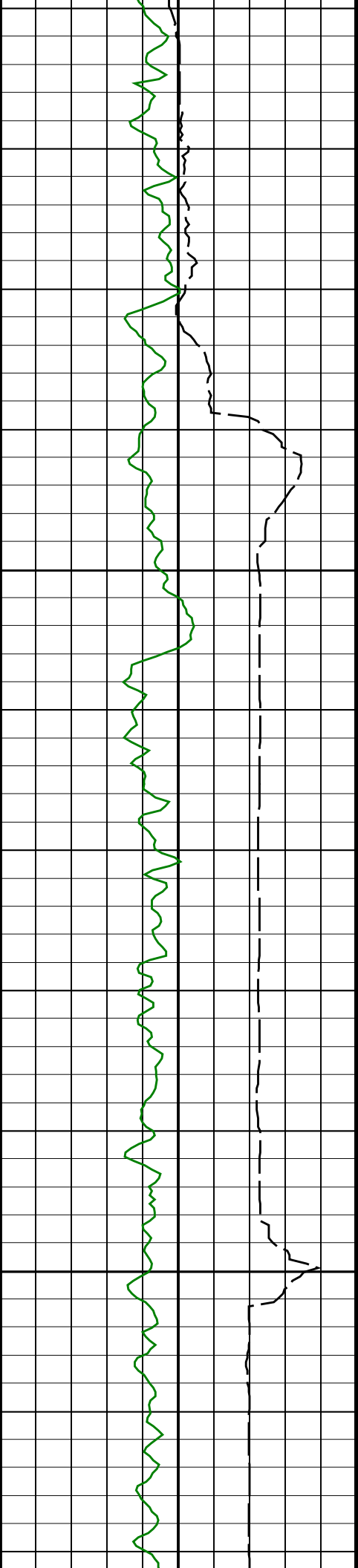


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TVD

875
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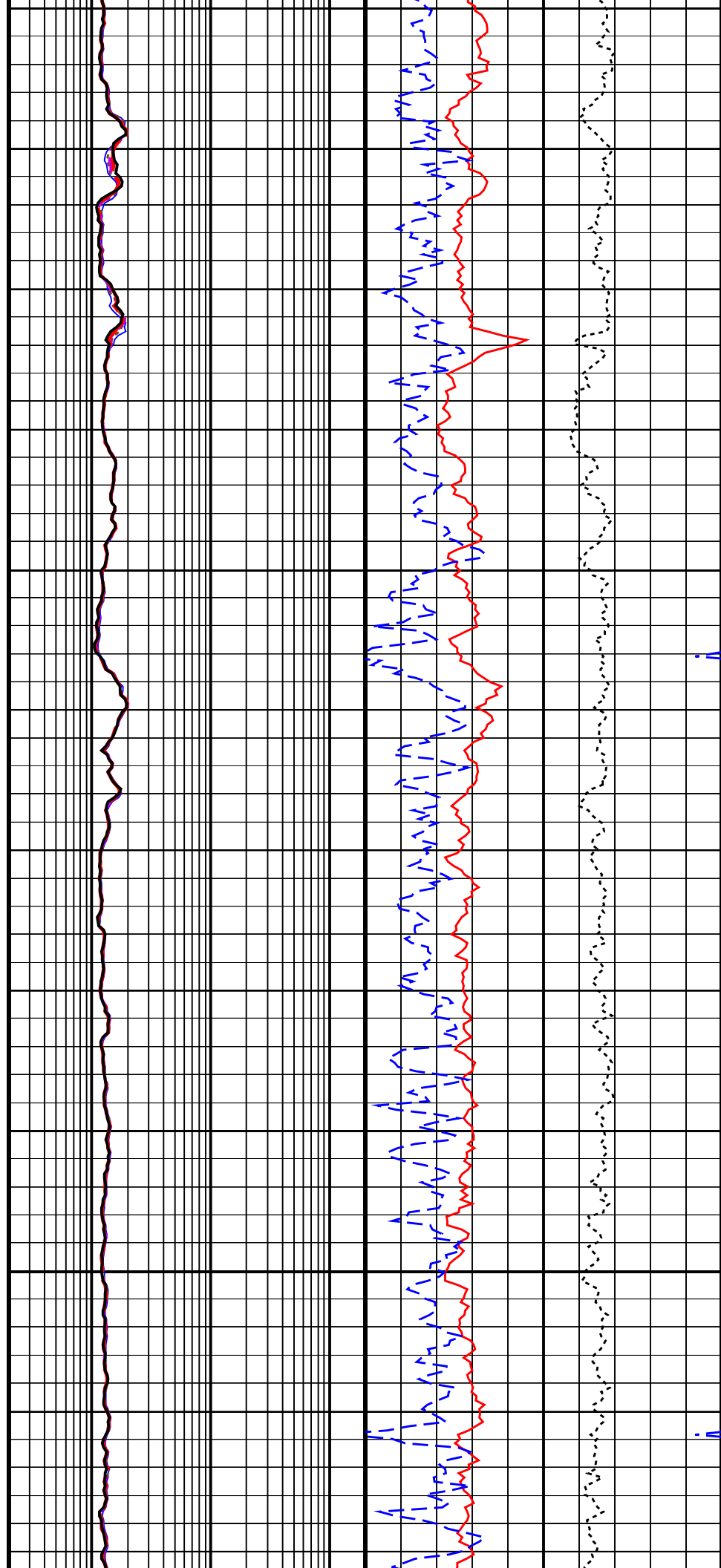
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TVD

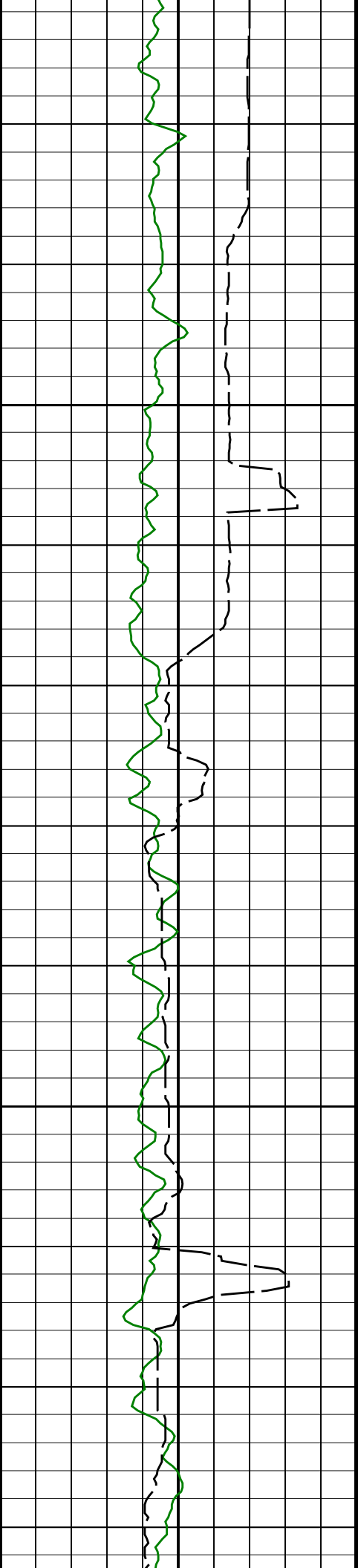




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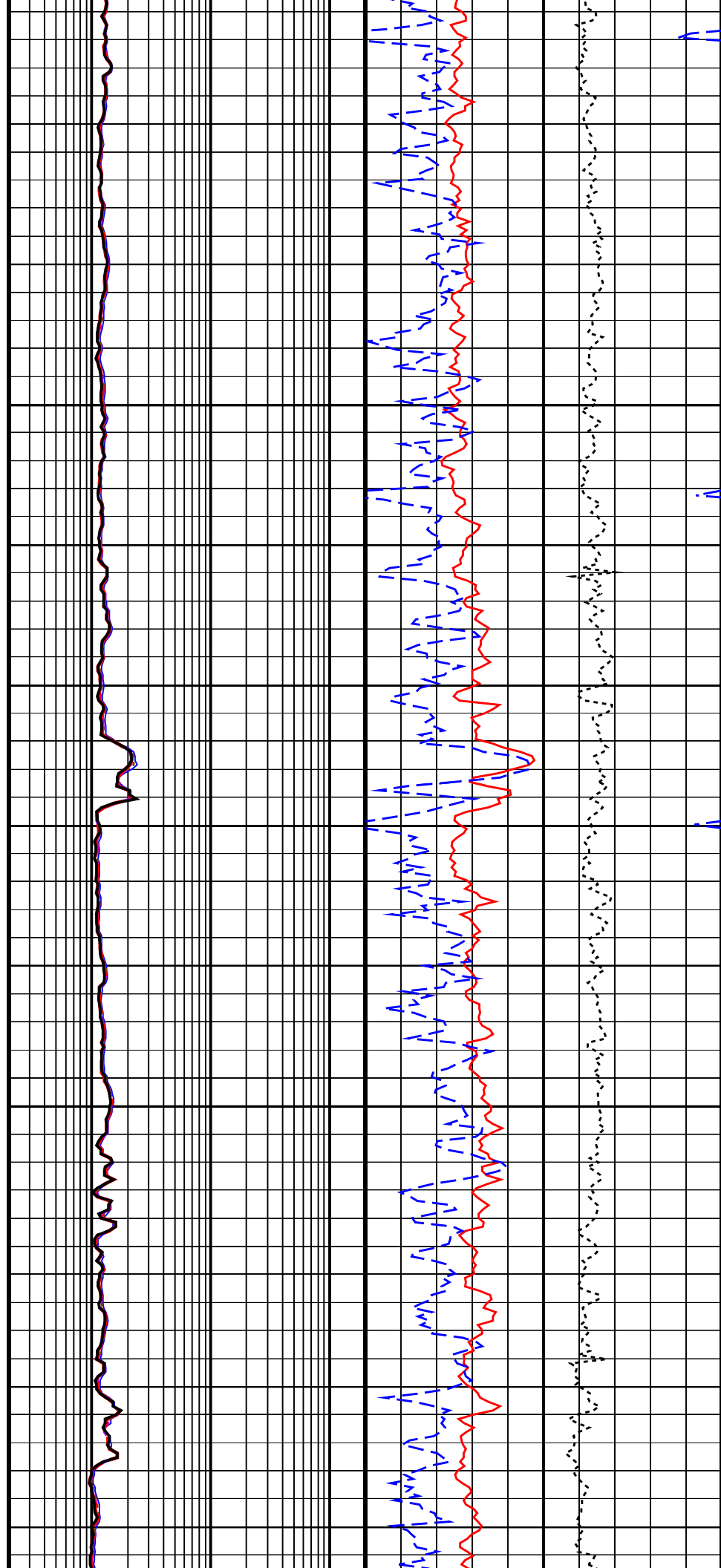
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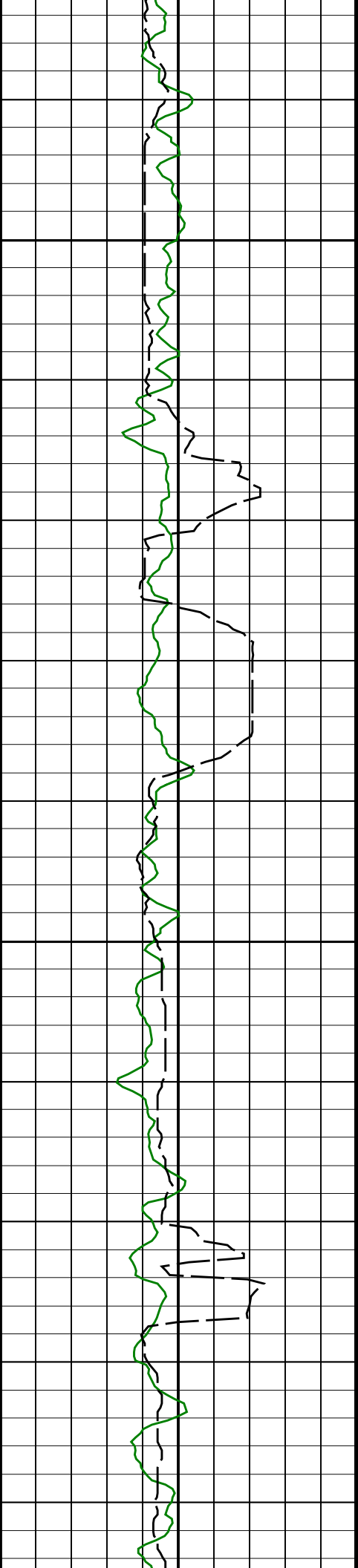




975
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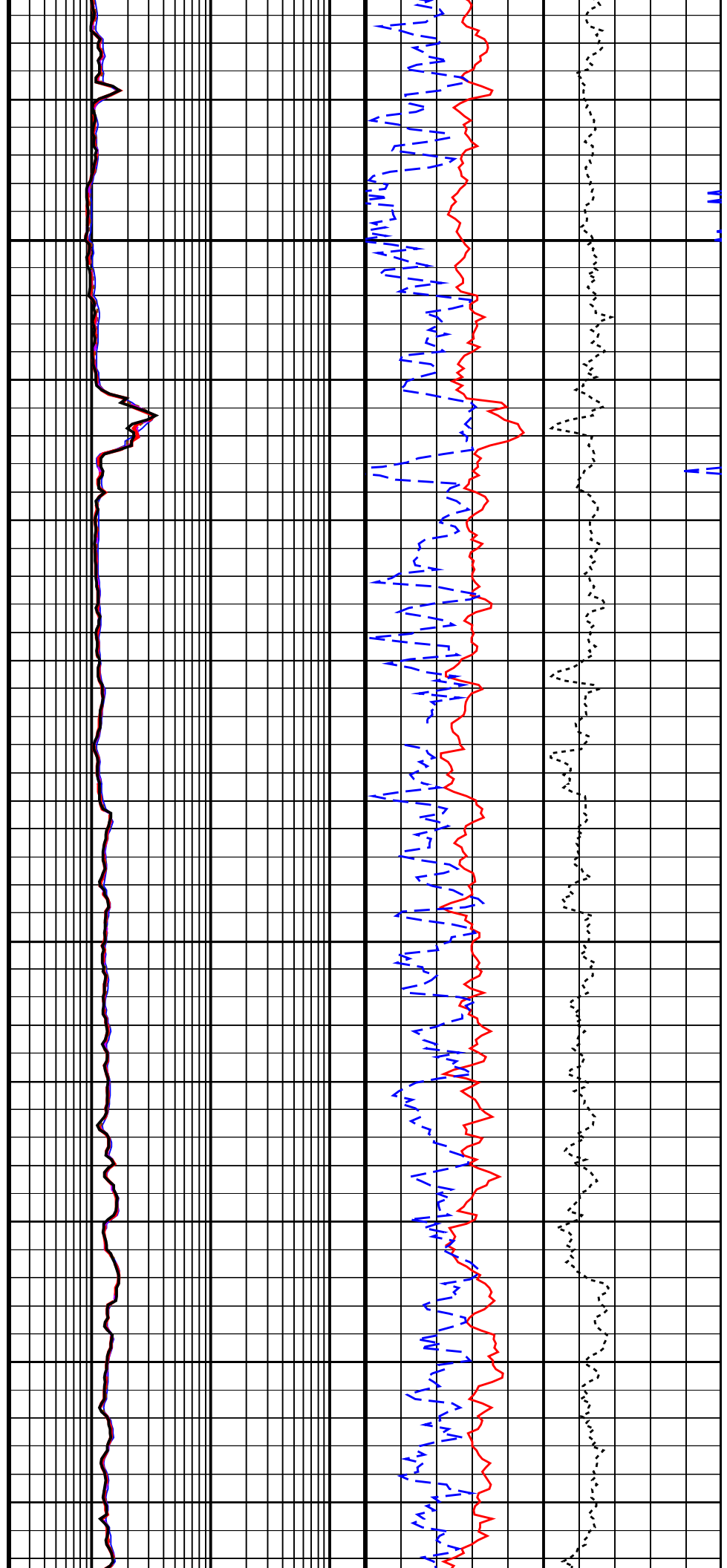
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TVD

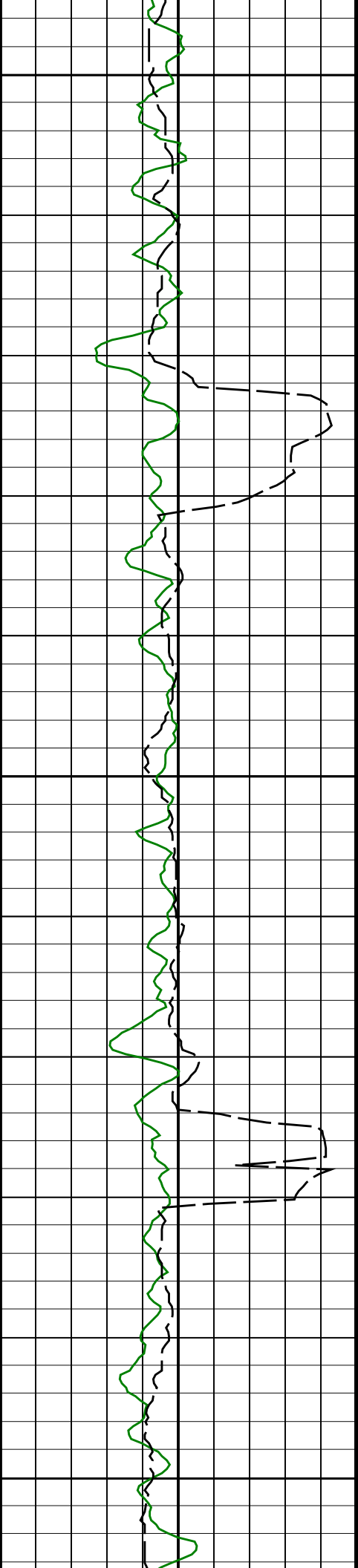




1025
TVD

1050
TVD

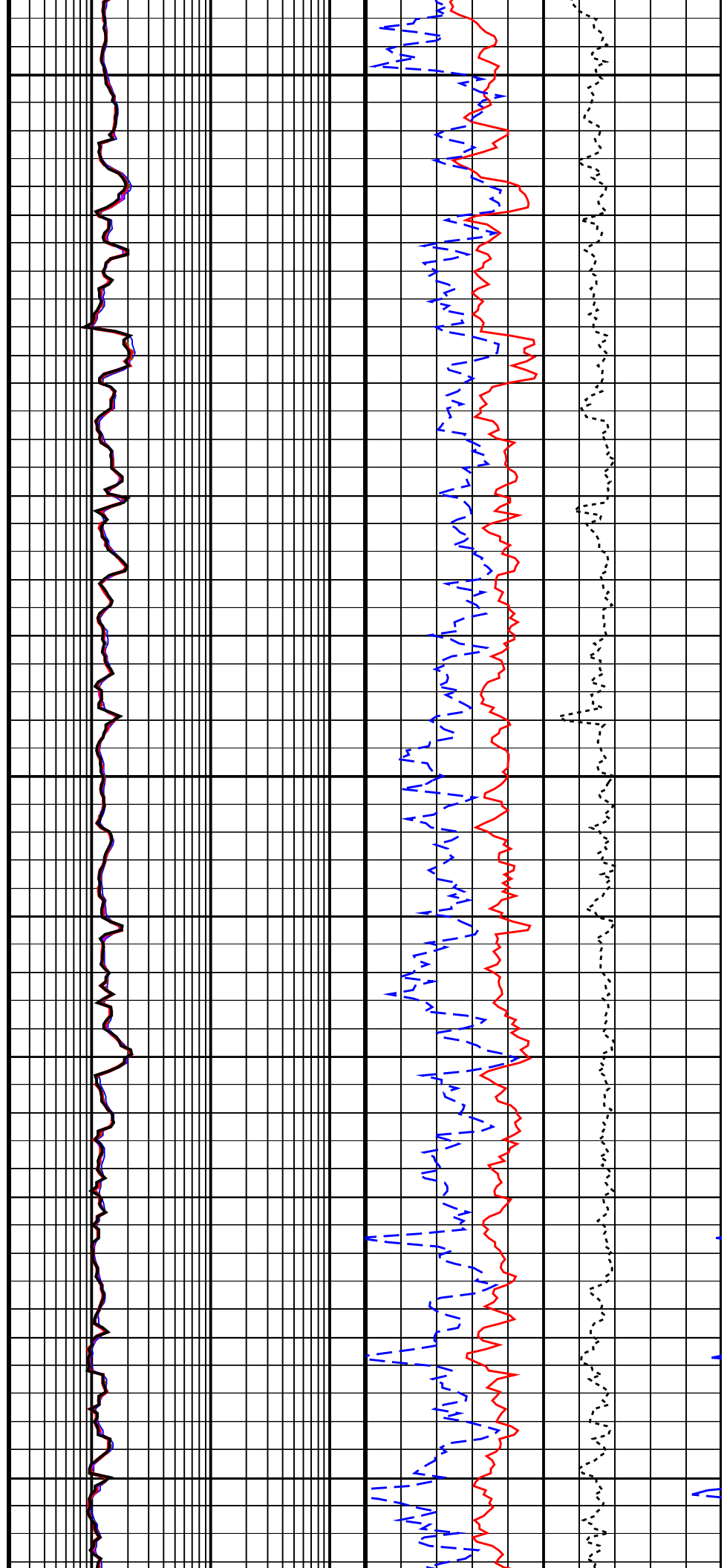


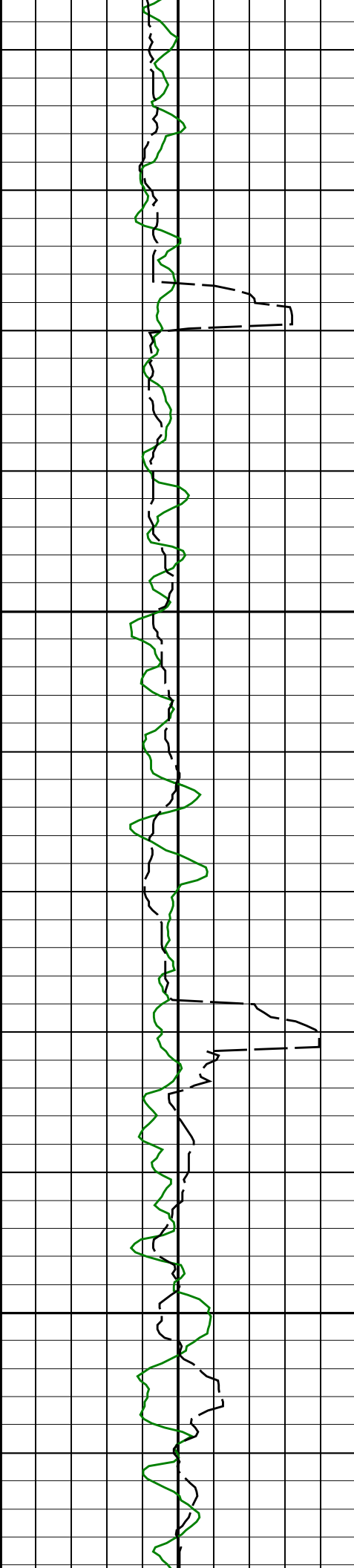


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TVD

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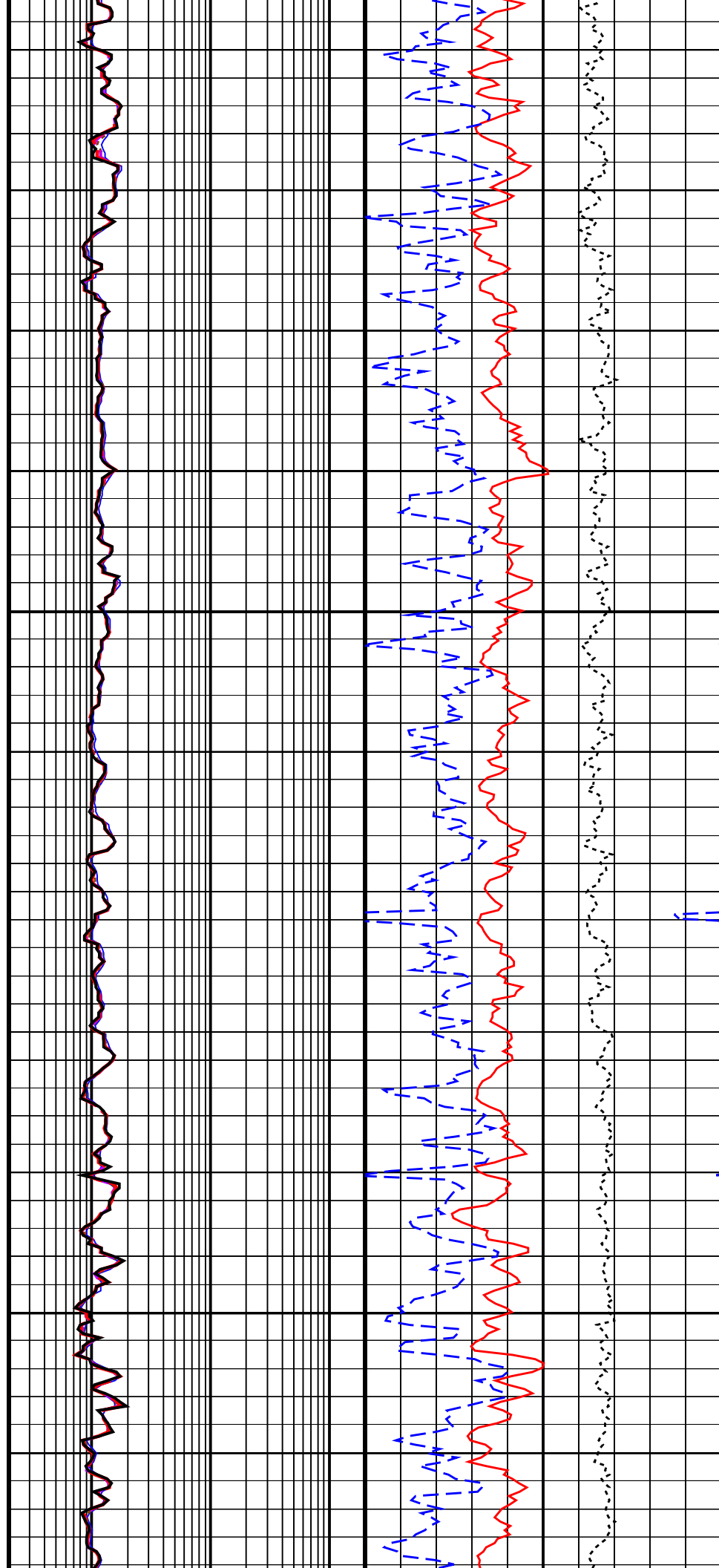
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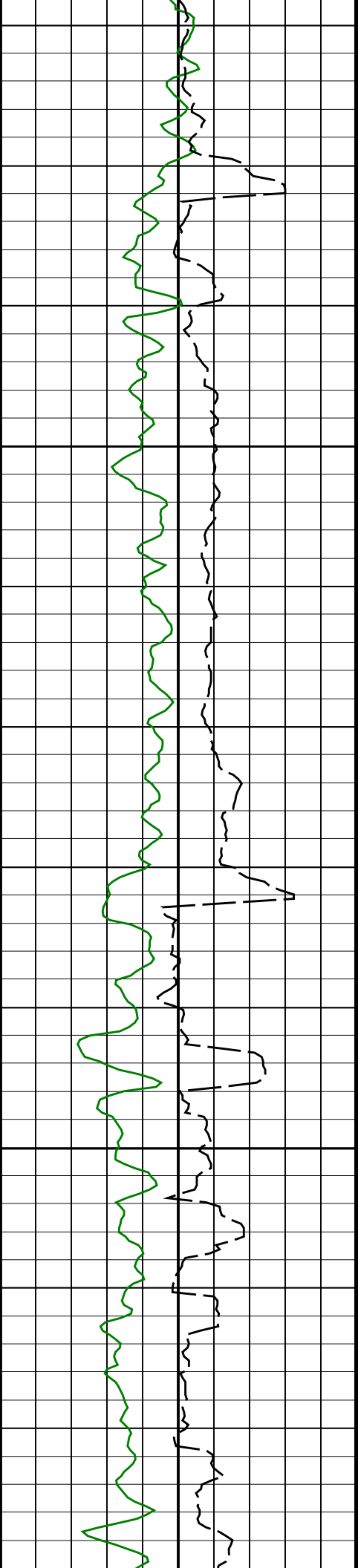




1150
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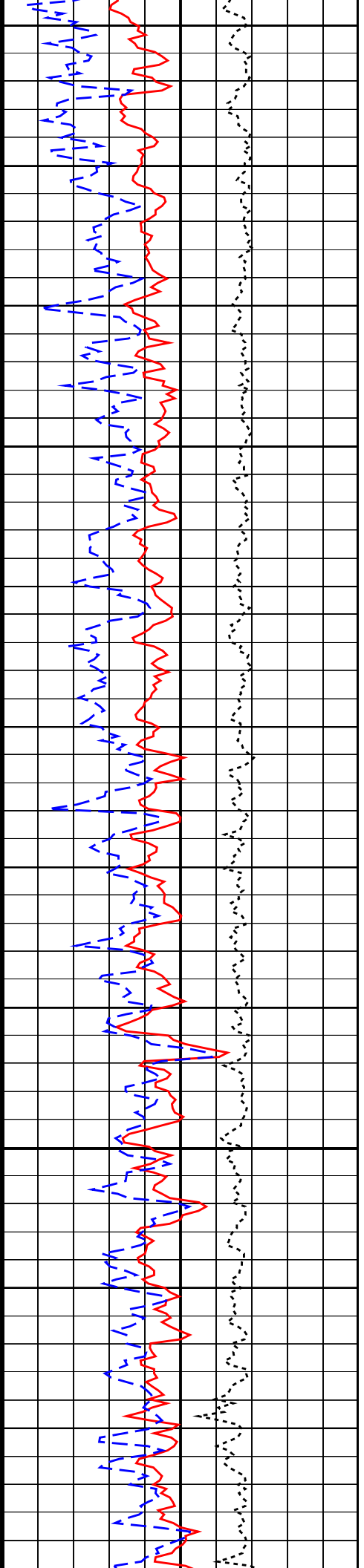
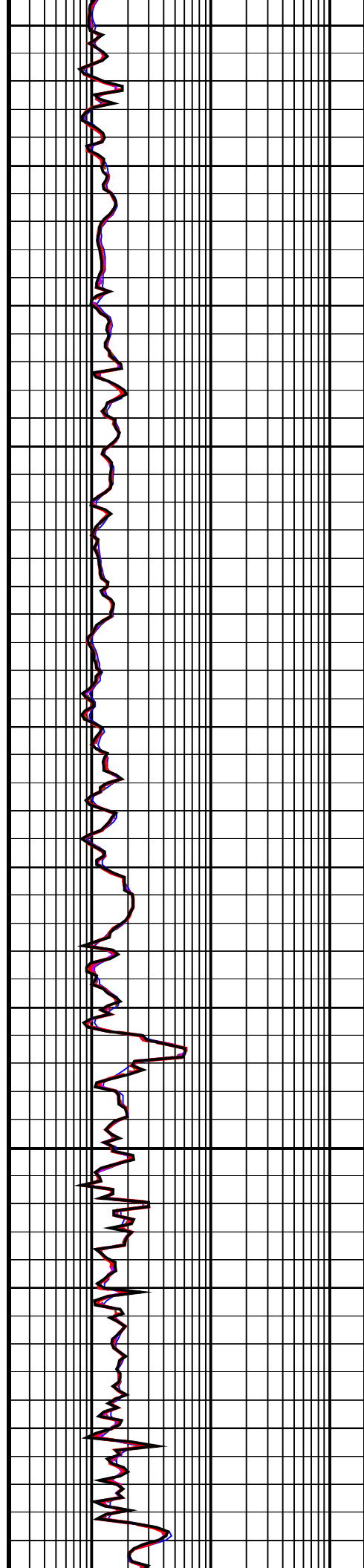
1175
TVD

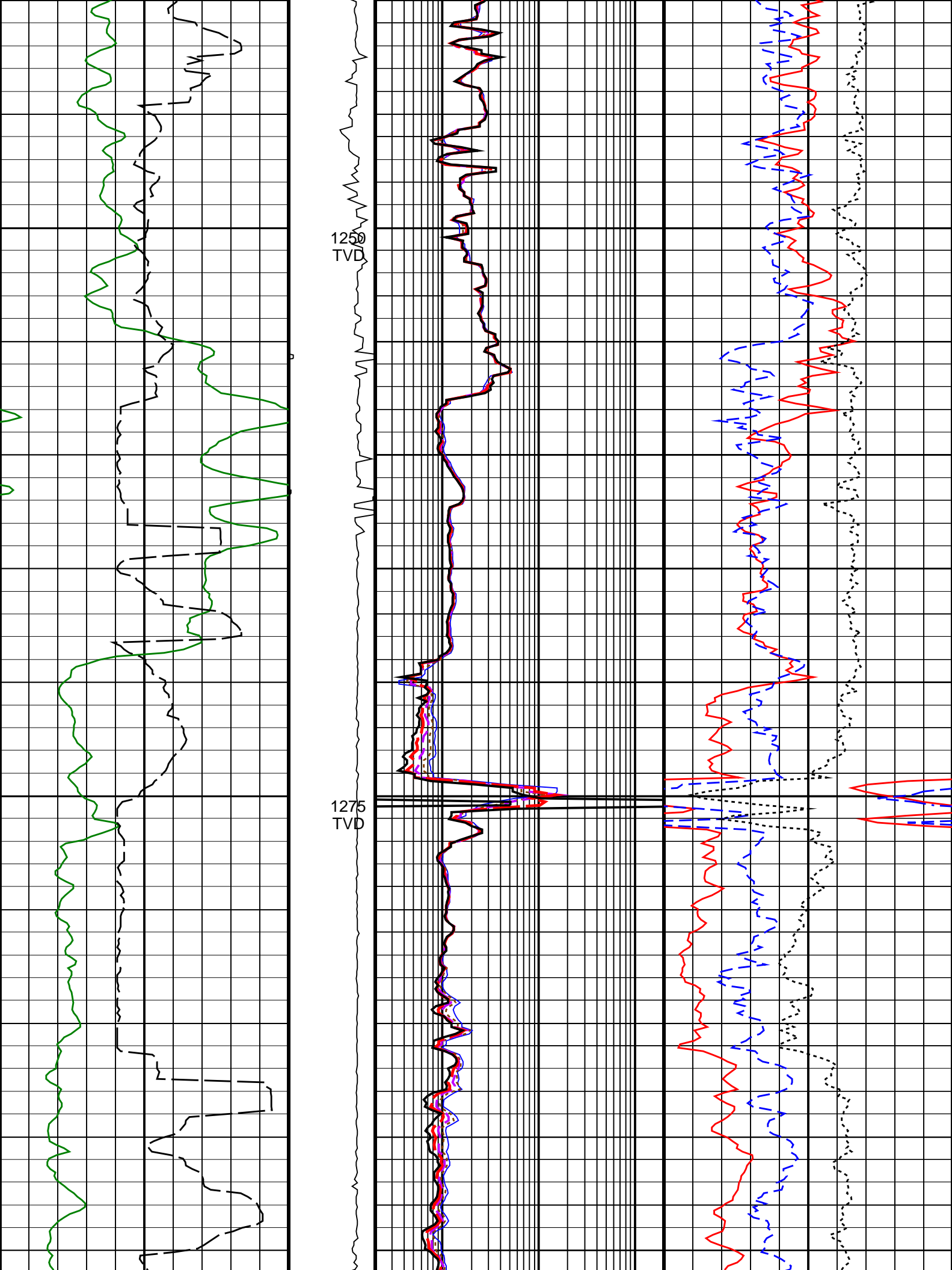


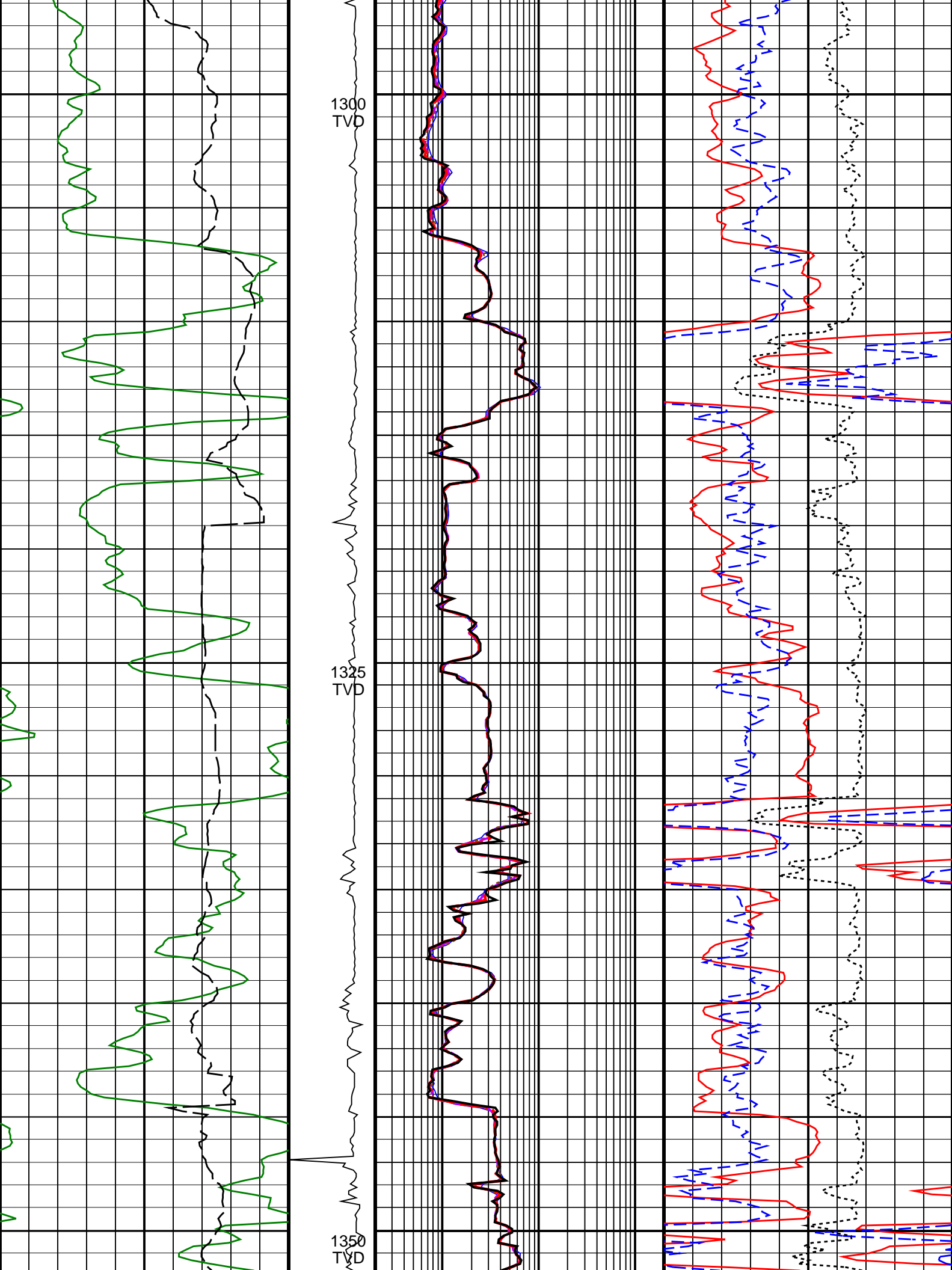


1200
TVD

1225
TVD



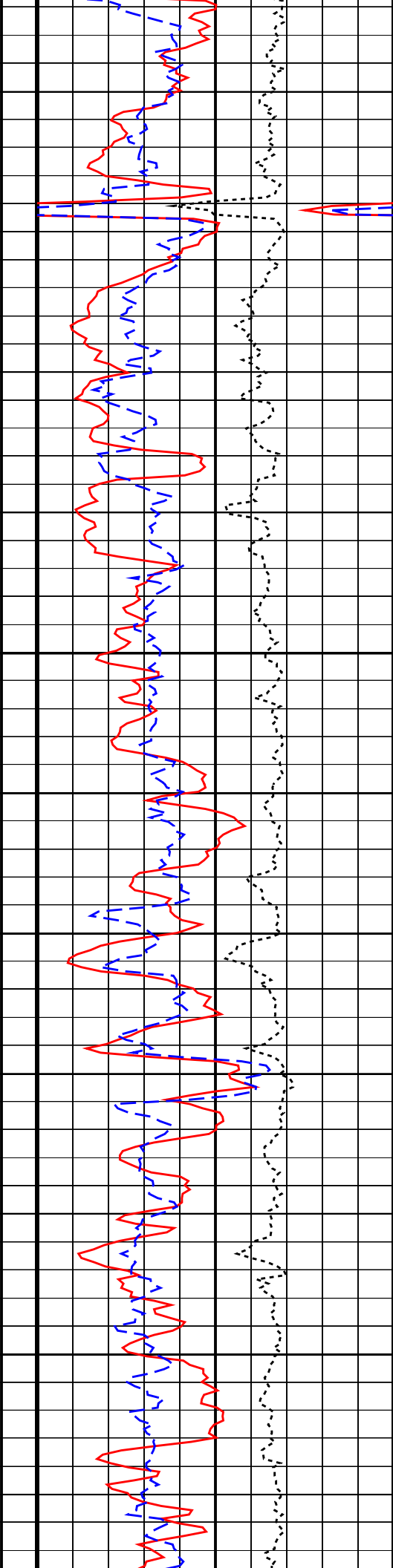
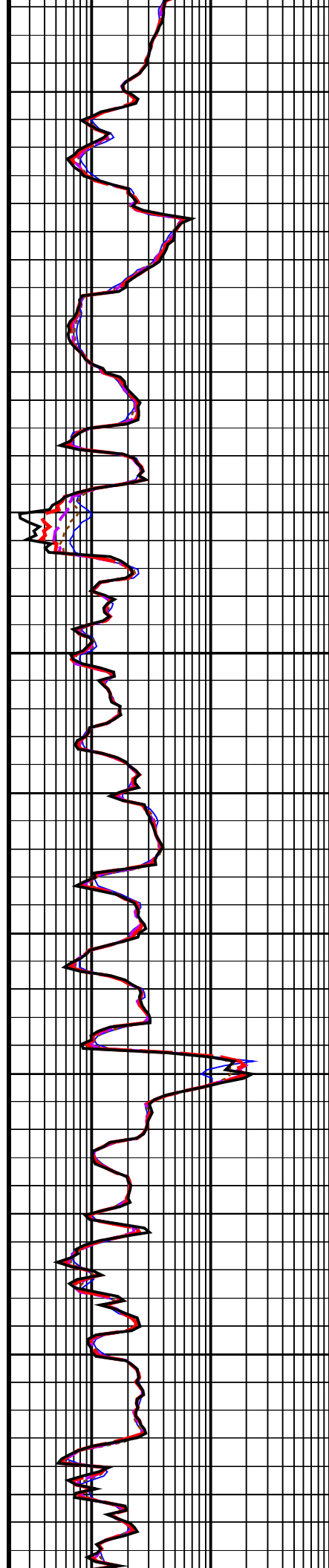


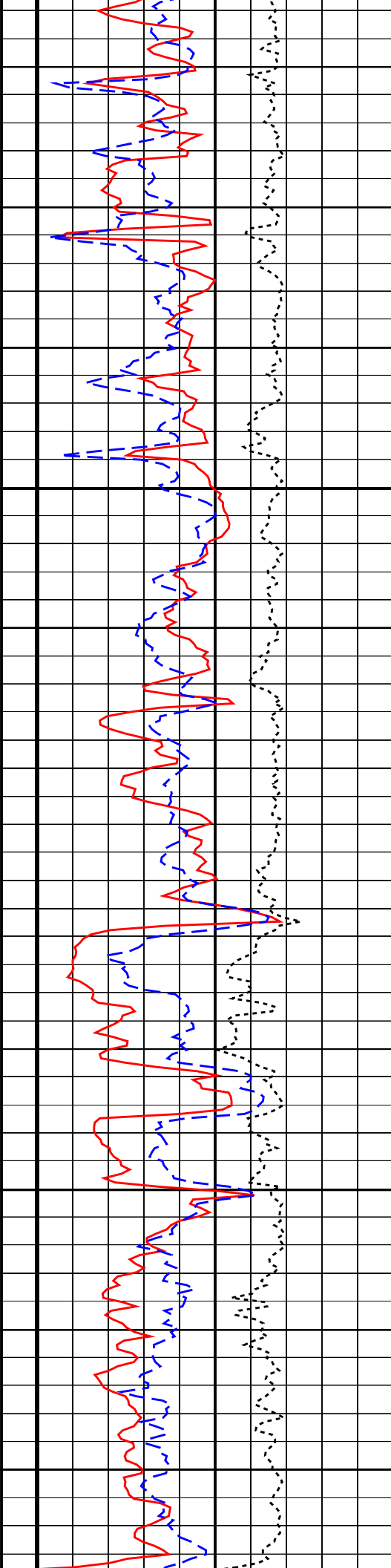
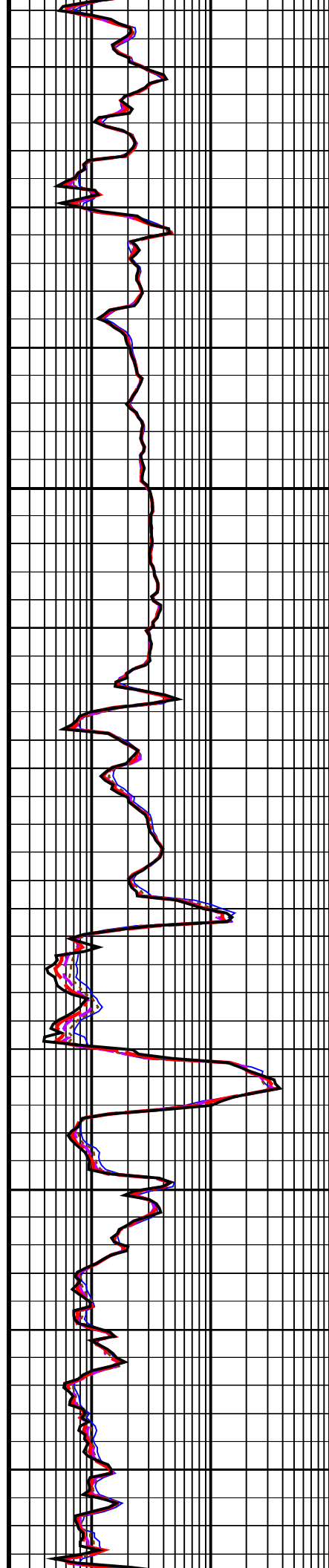
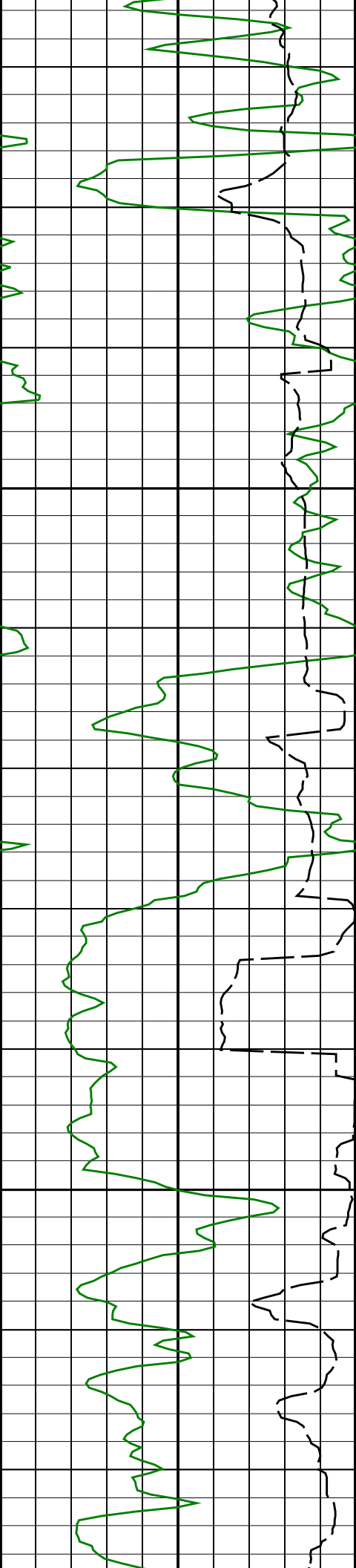


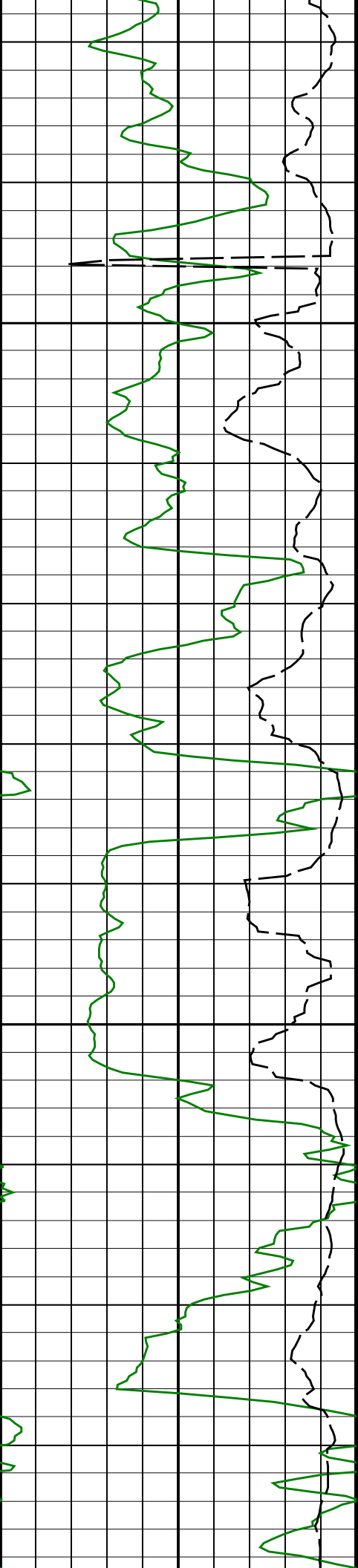


1375
TVD

1400
TVD

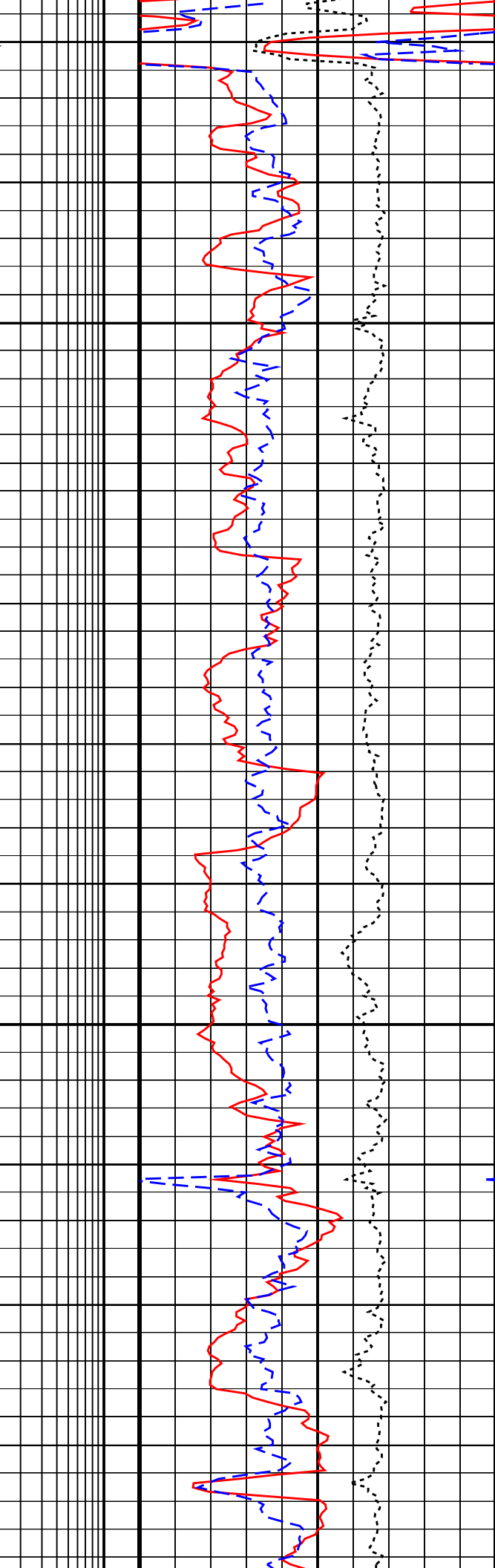
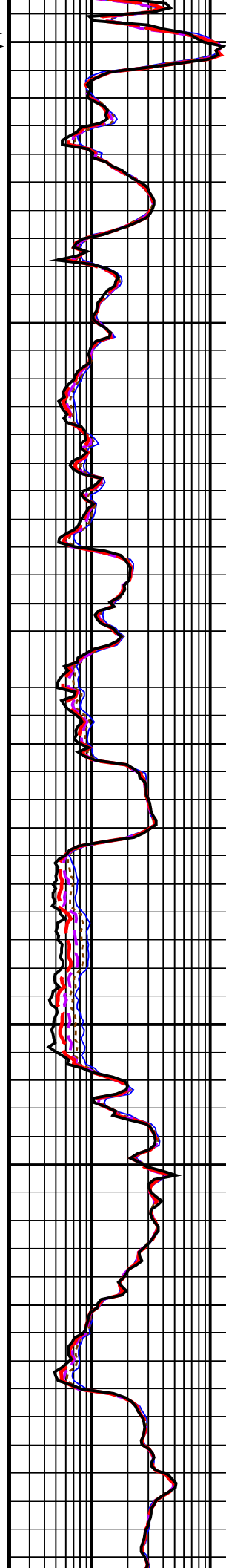


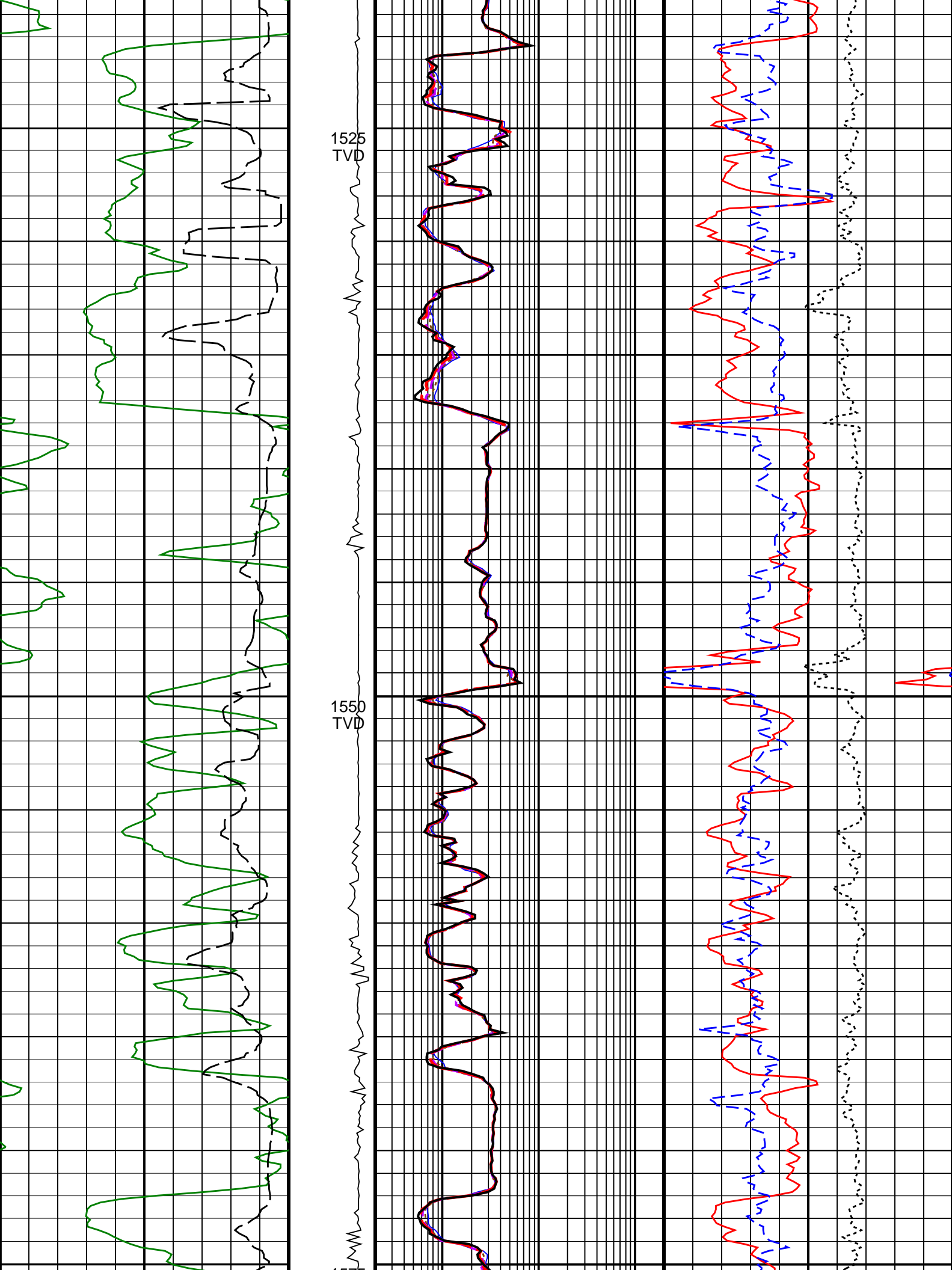


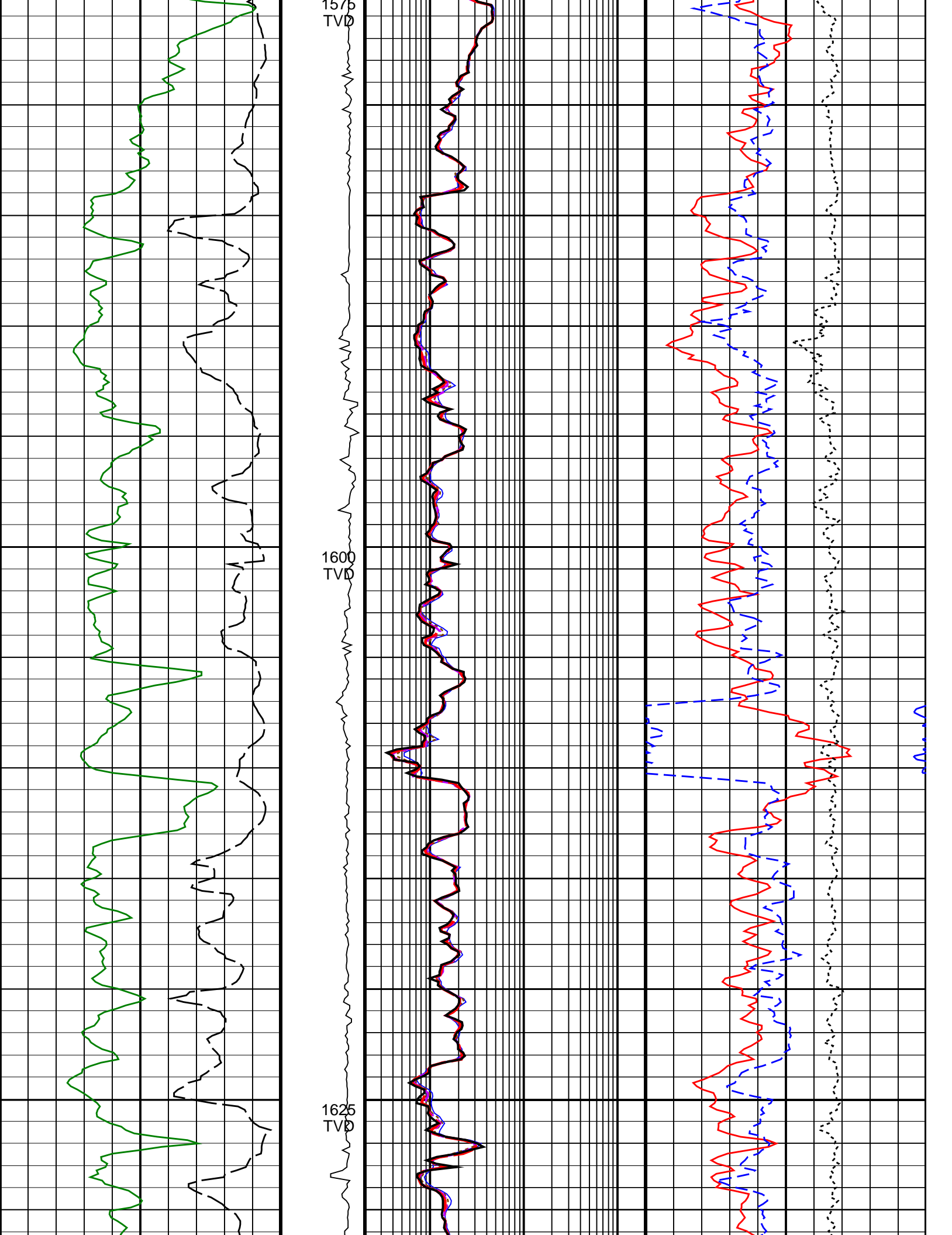


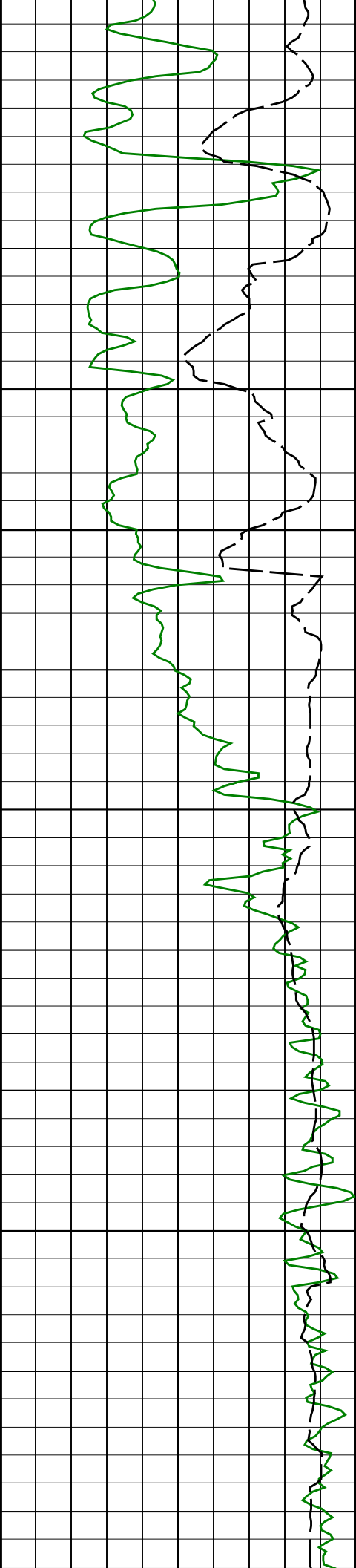
1475
TVD

1500
TVD



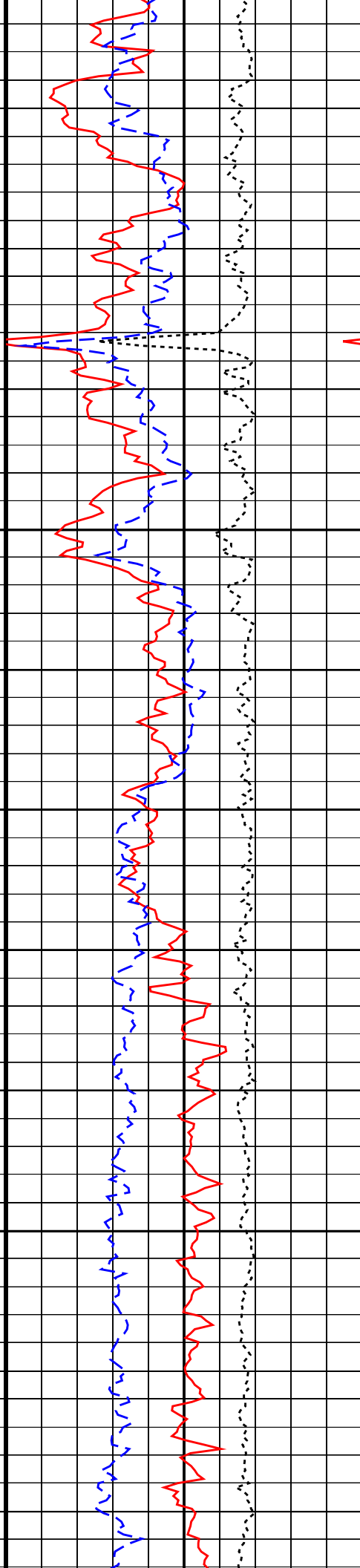
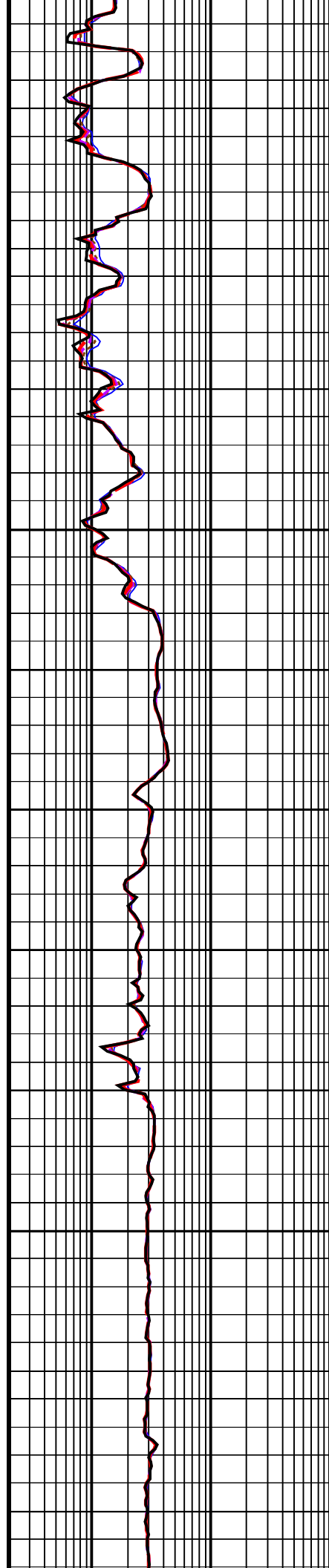


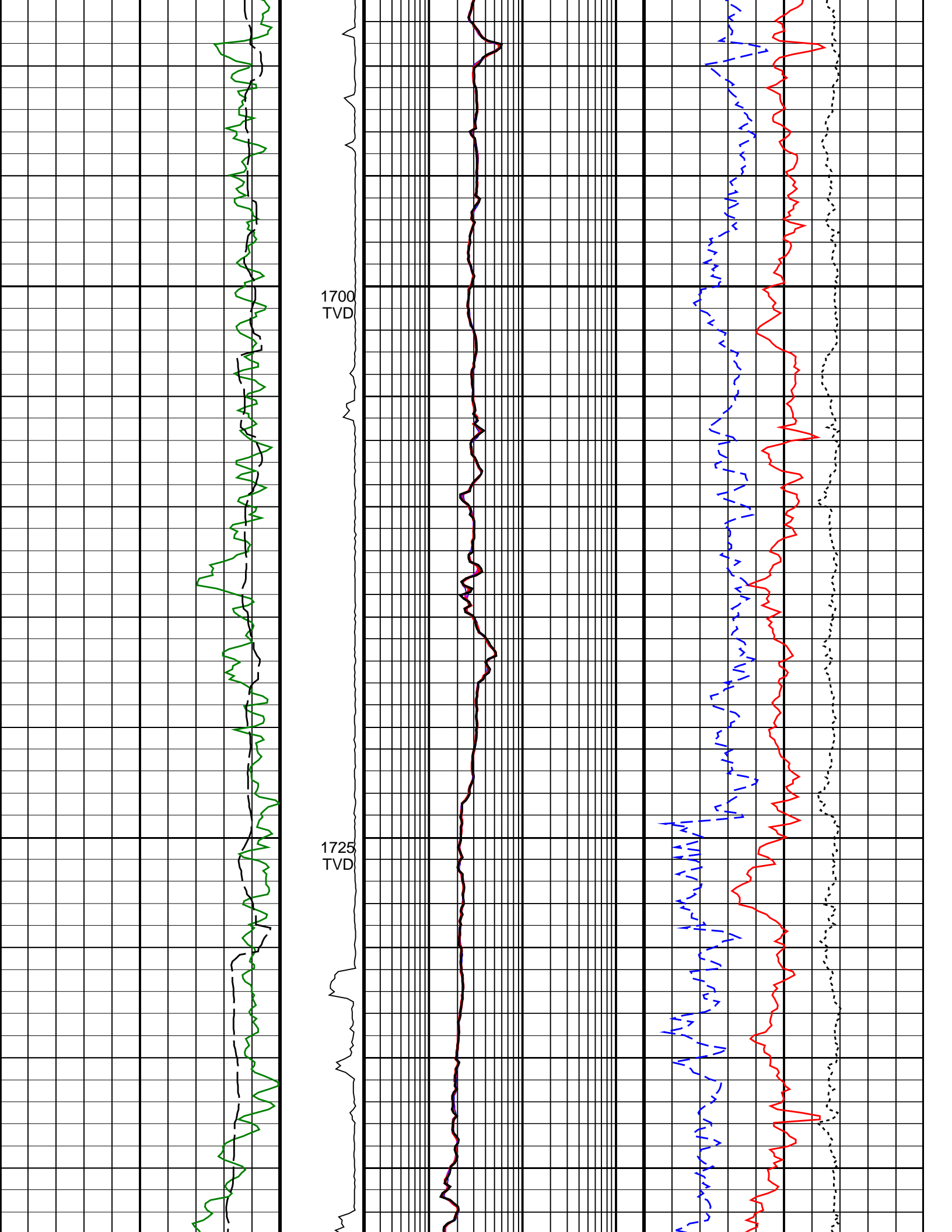


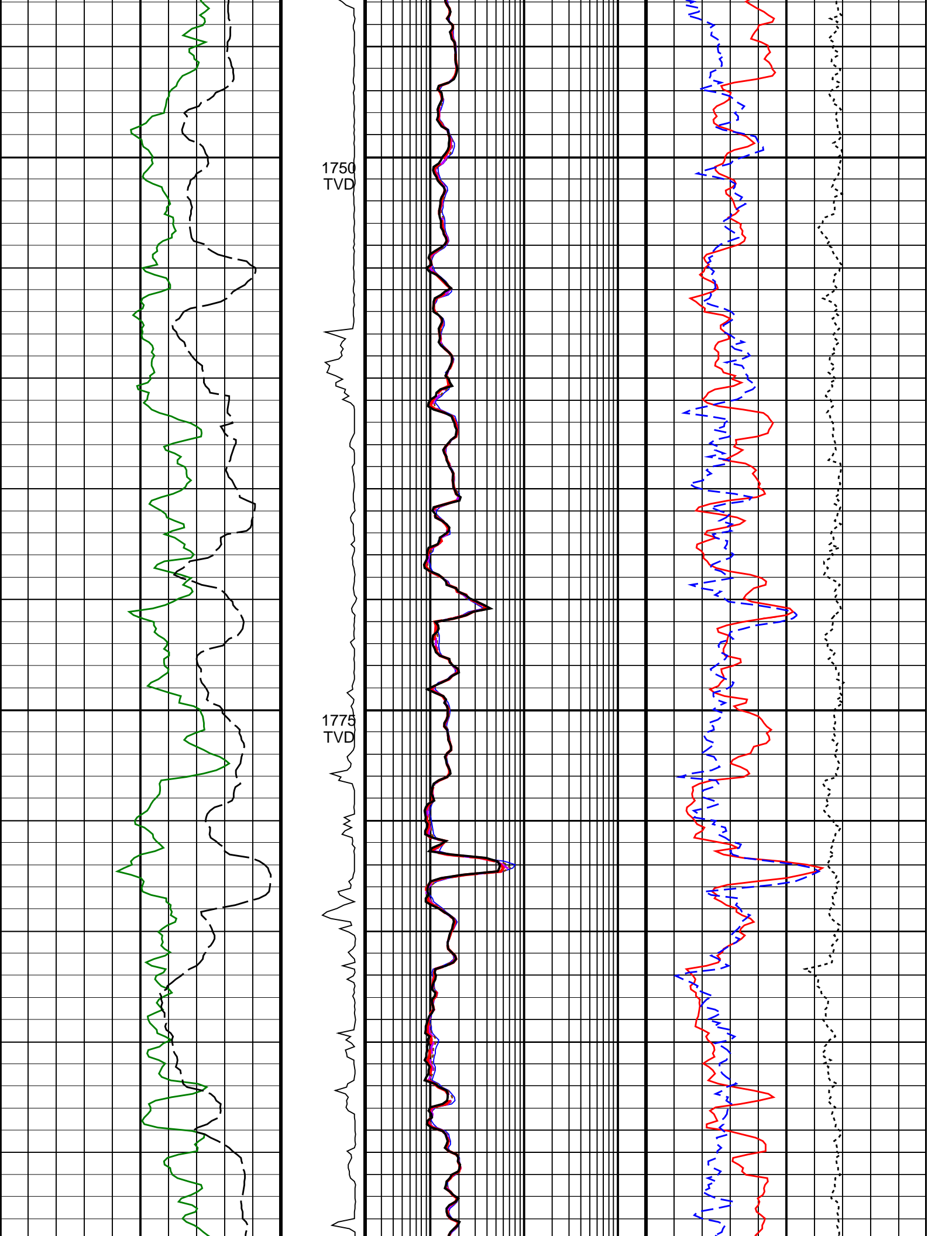


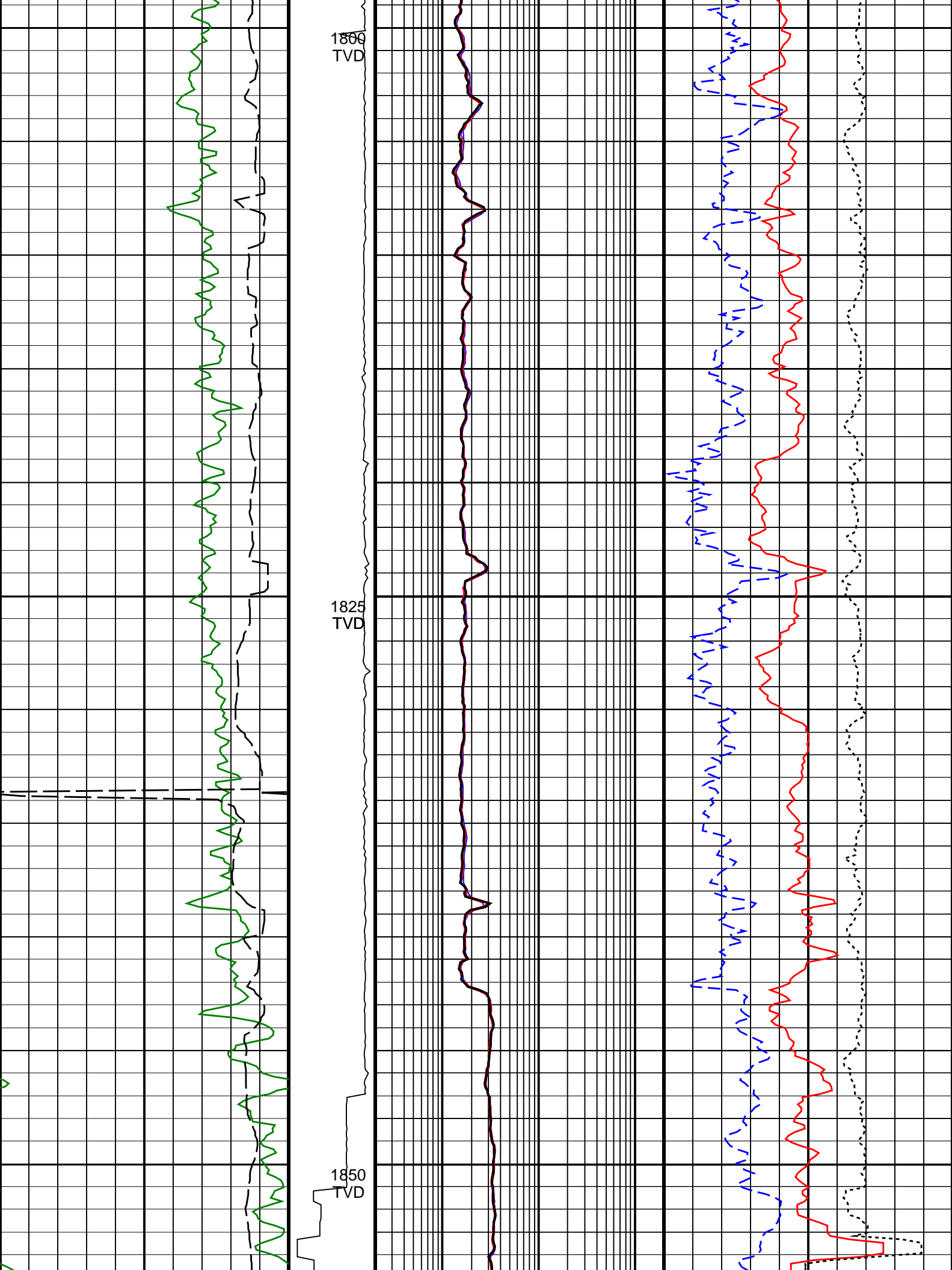
1650
TVD

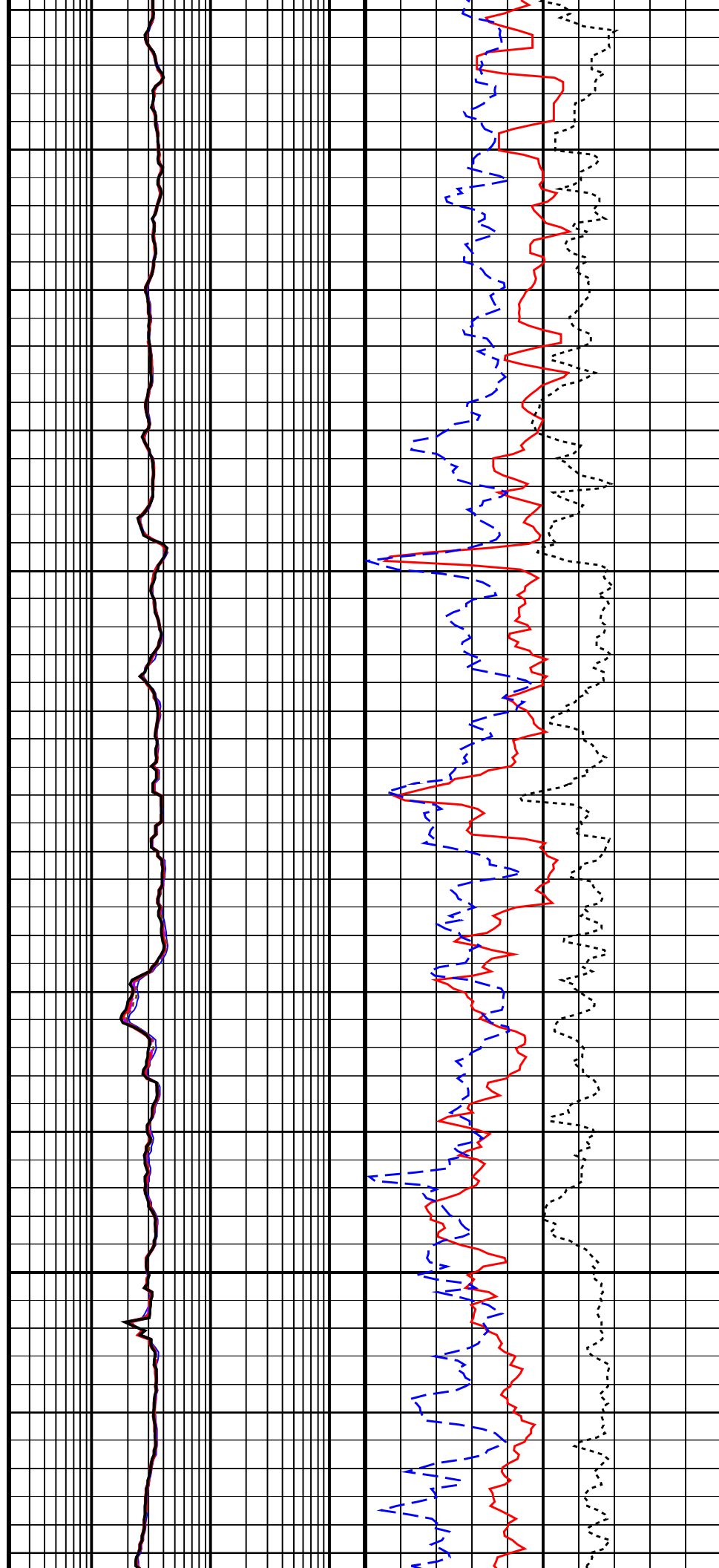
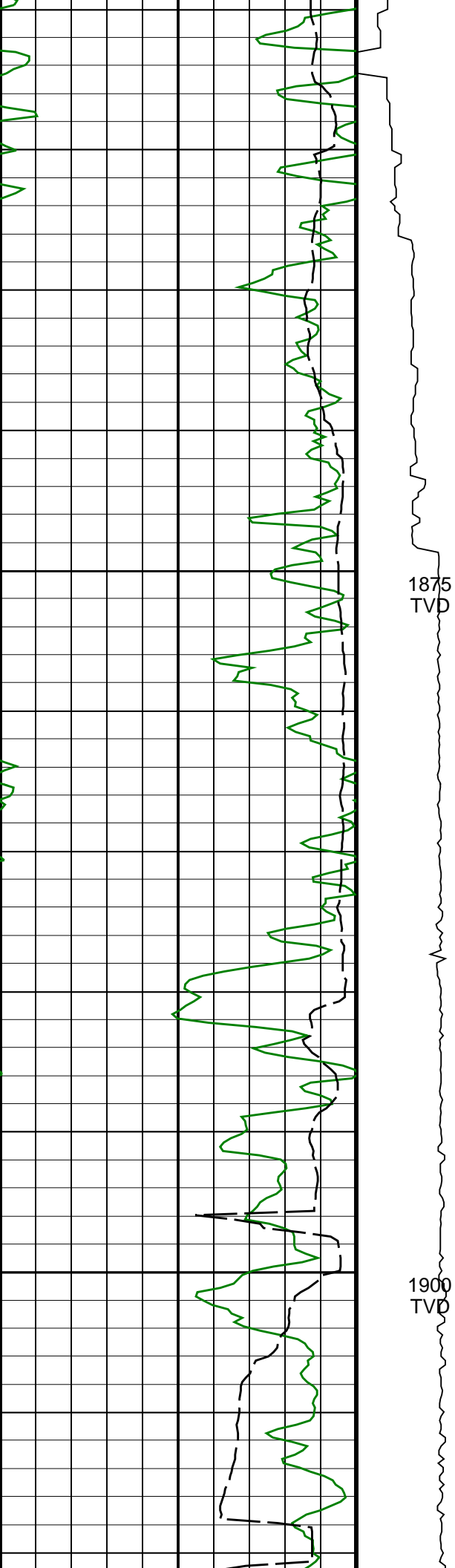
1675
TVD

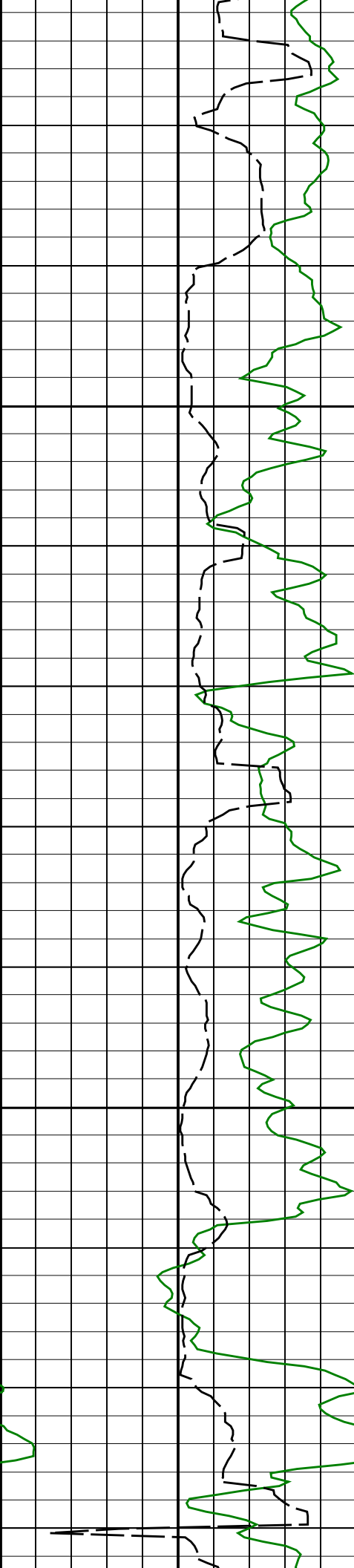






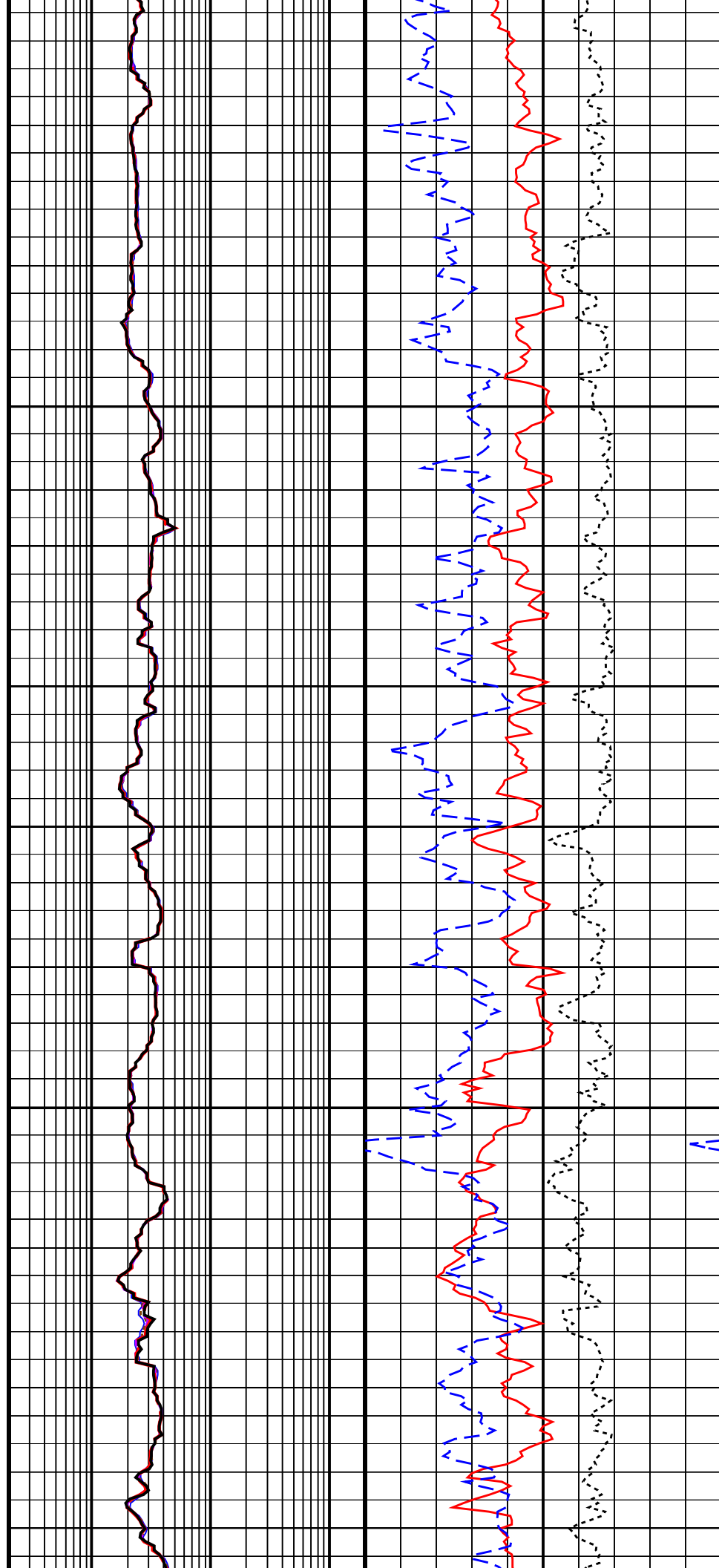


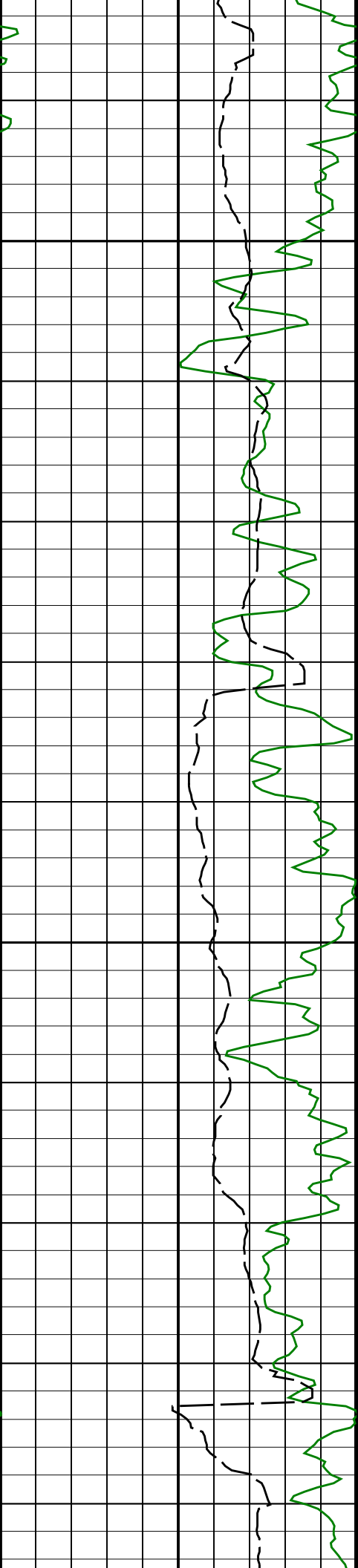




1925
TVD

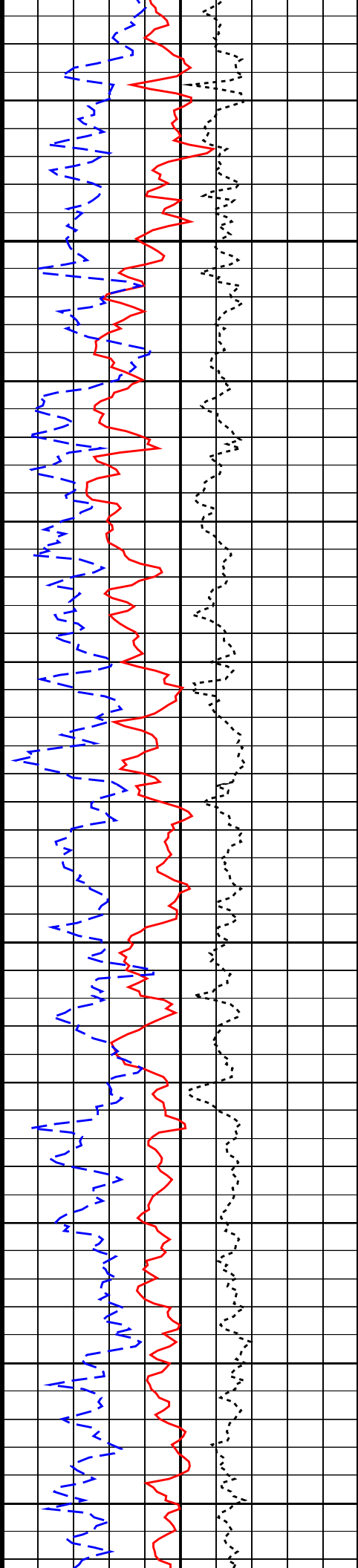
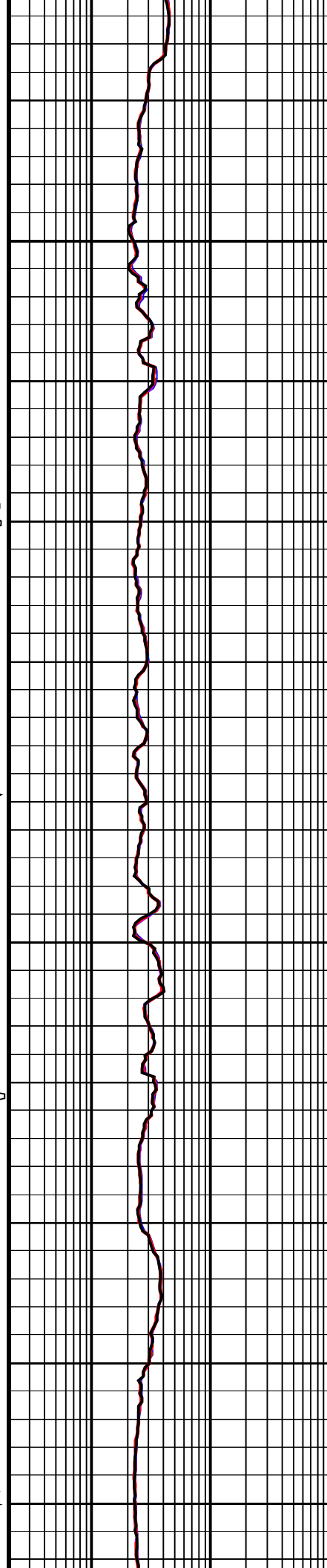
1950
TVD

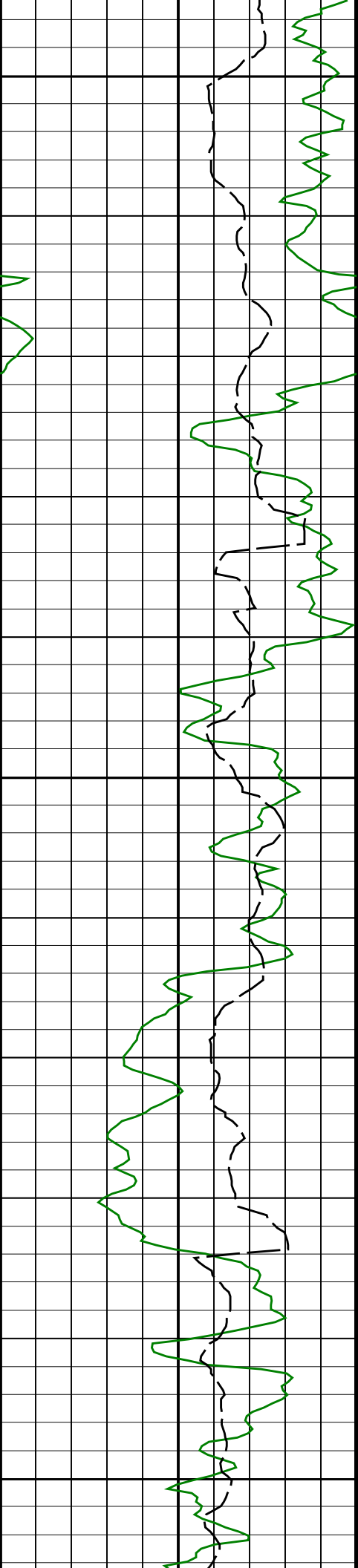




1975
TVB

2000
TVB

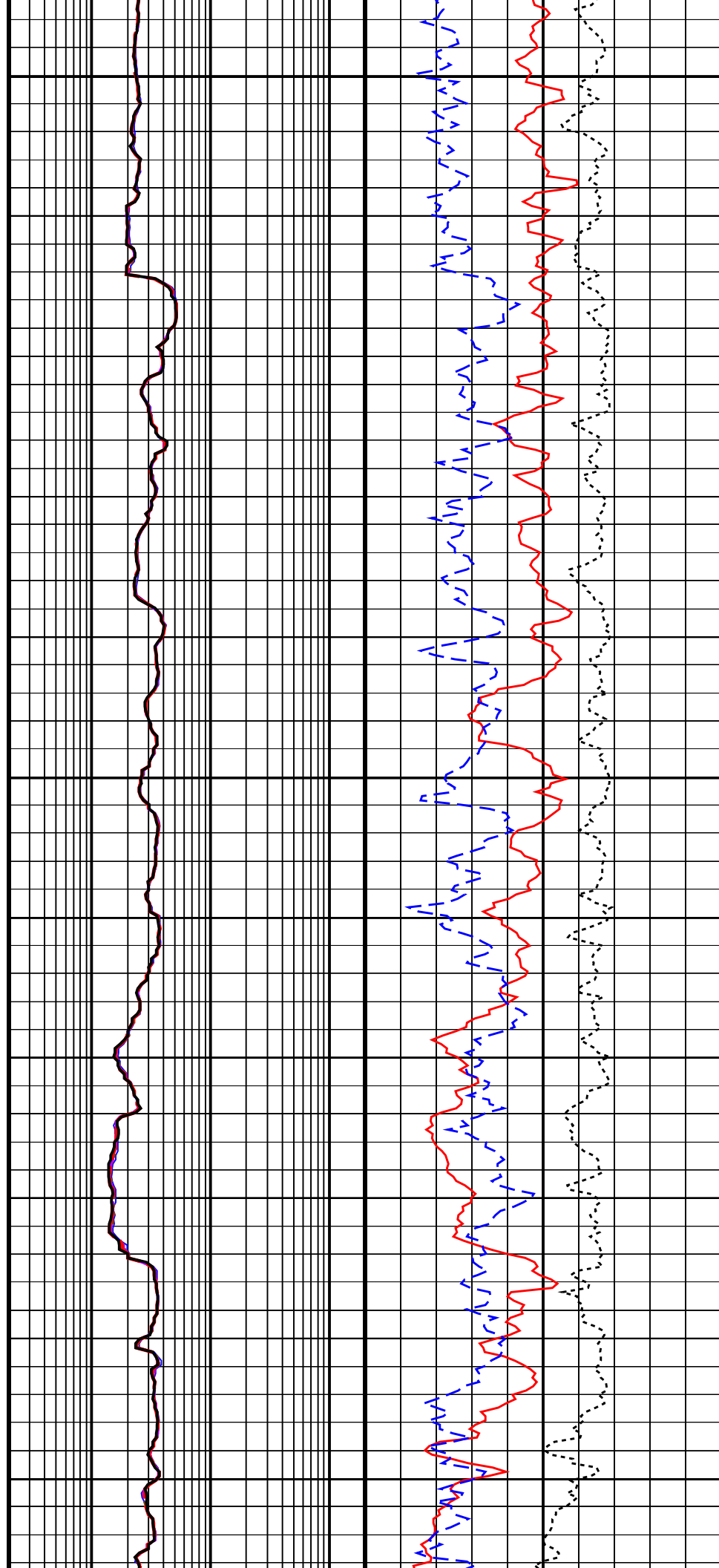


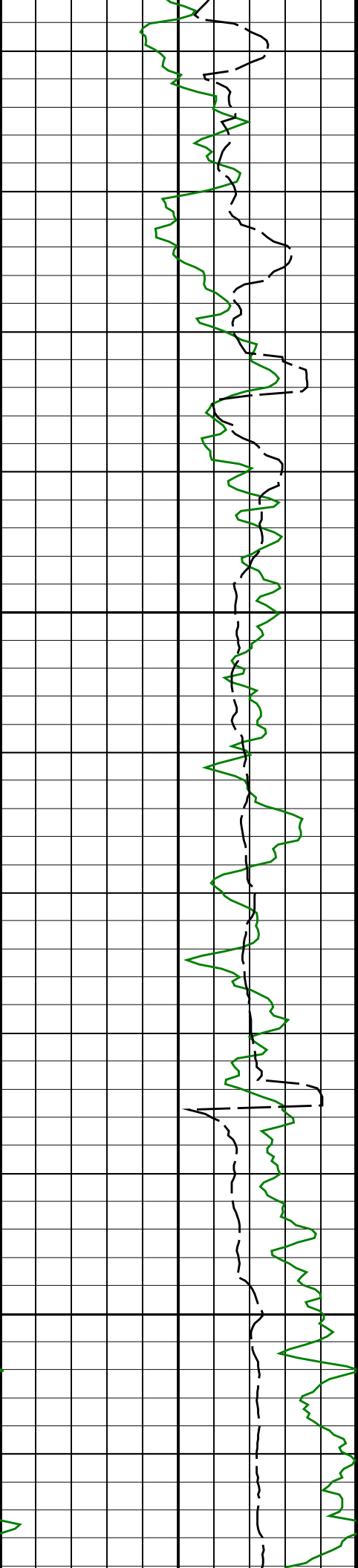


2025
TVD

2050
TVD

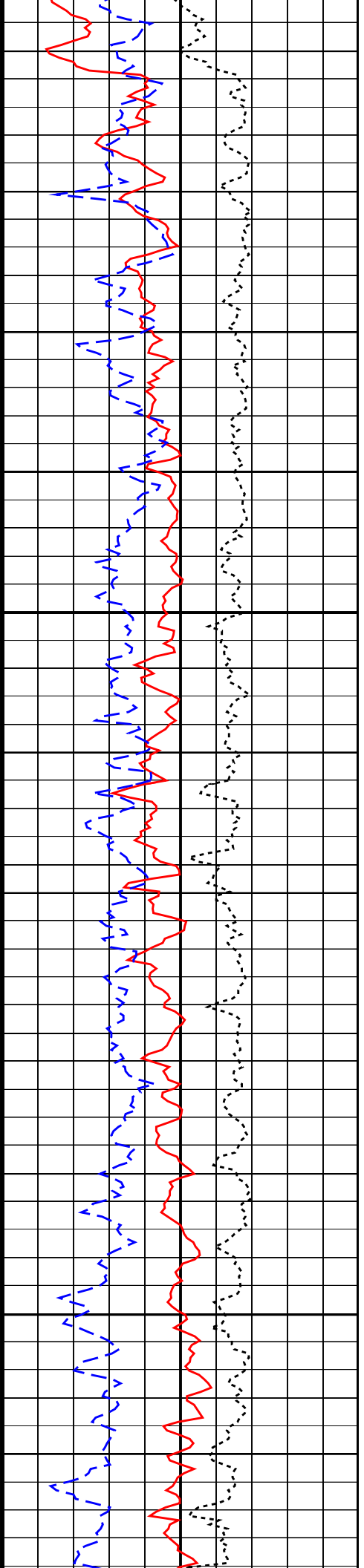
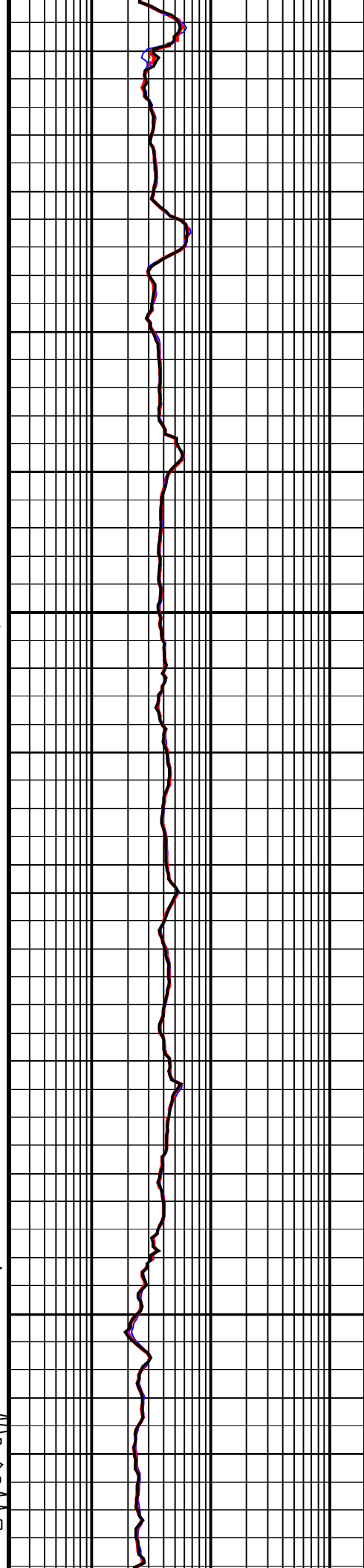
2075
TVD

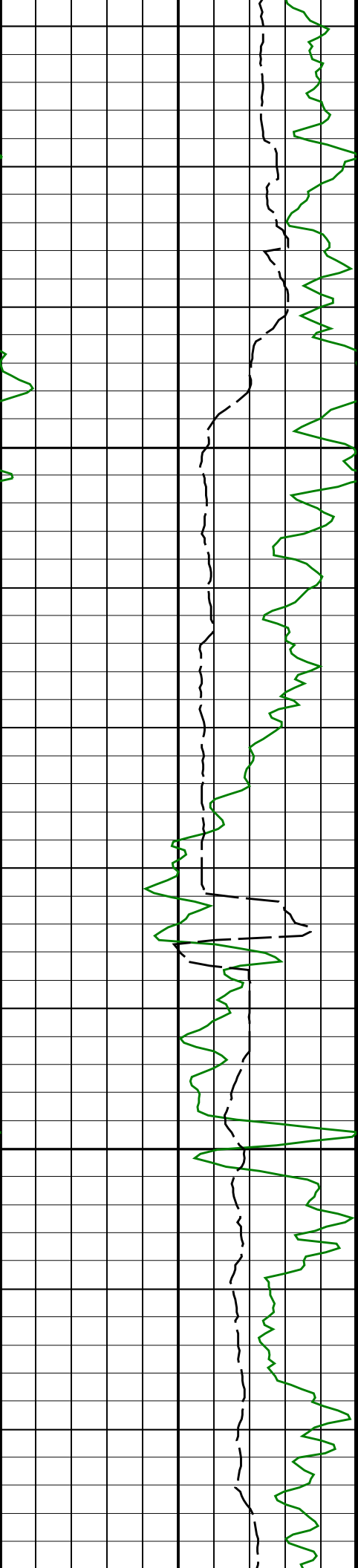




2100
TVD

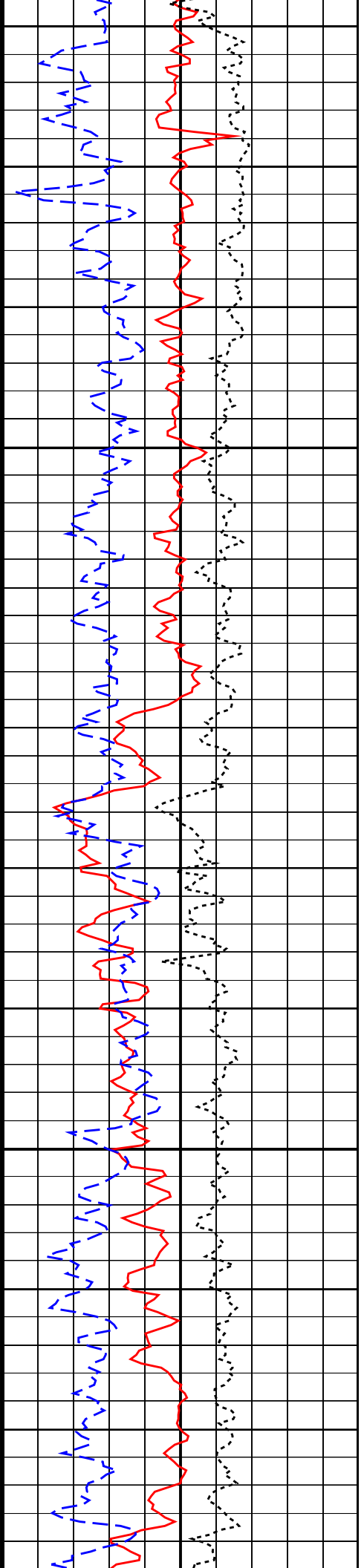
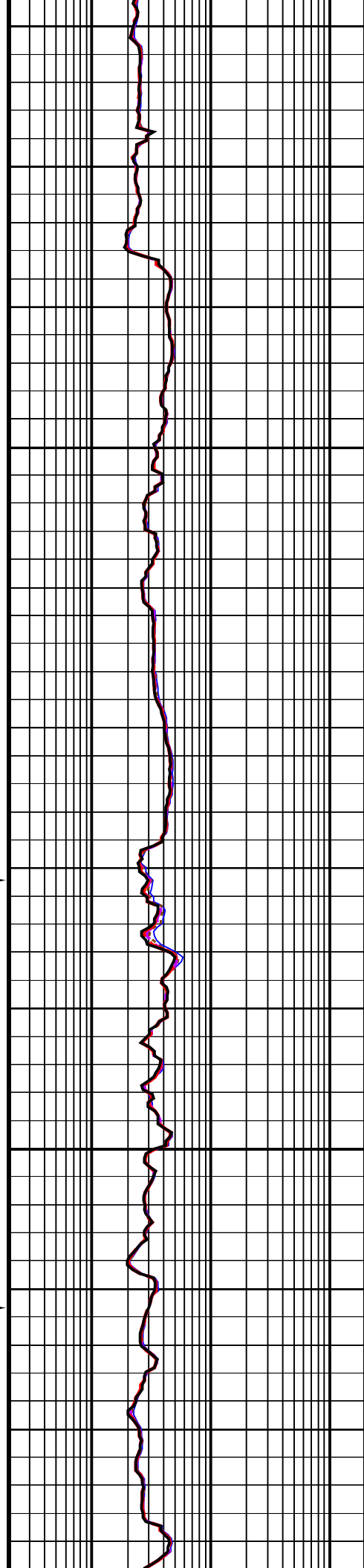
2125
TVD

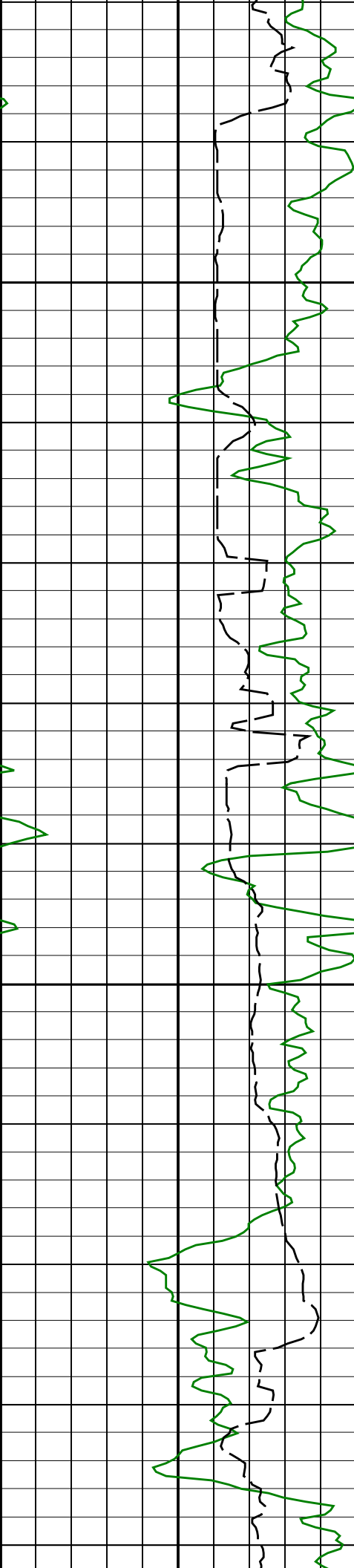




2150
TVD

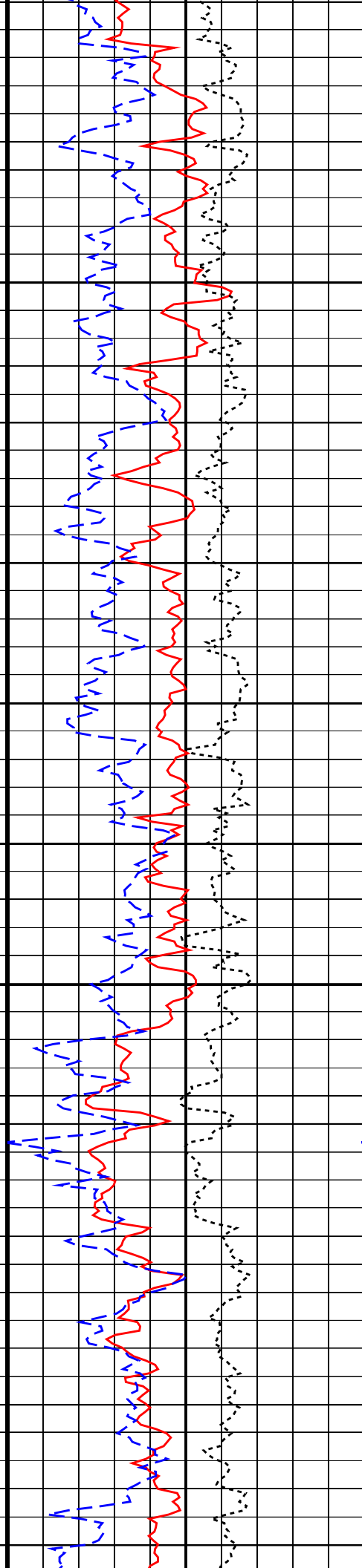
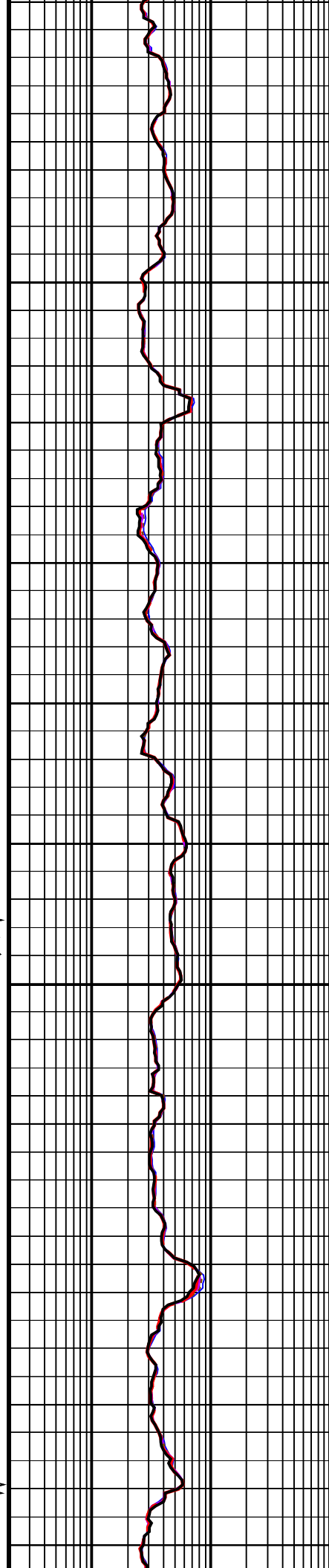
2175
TVD

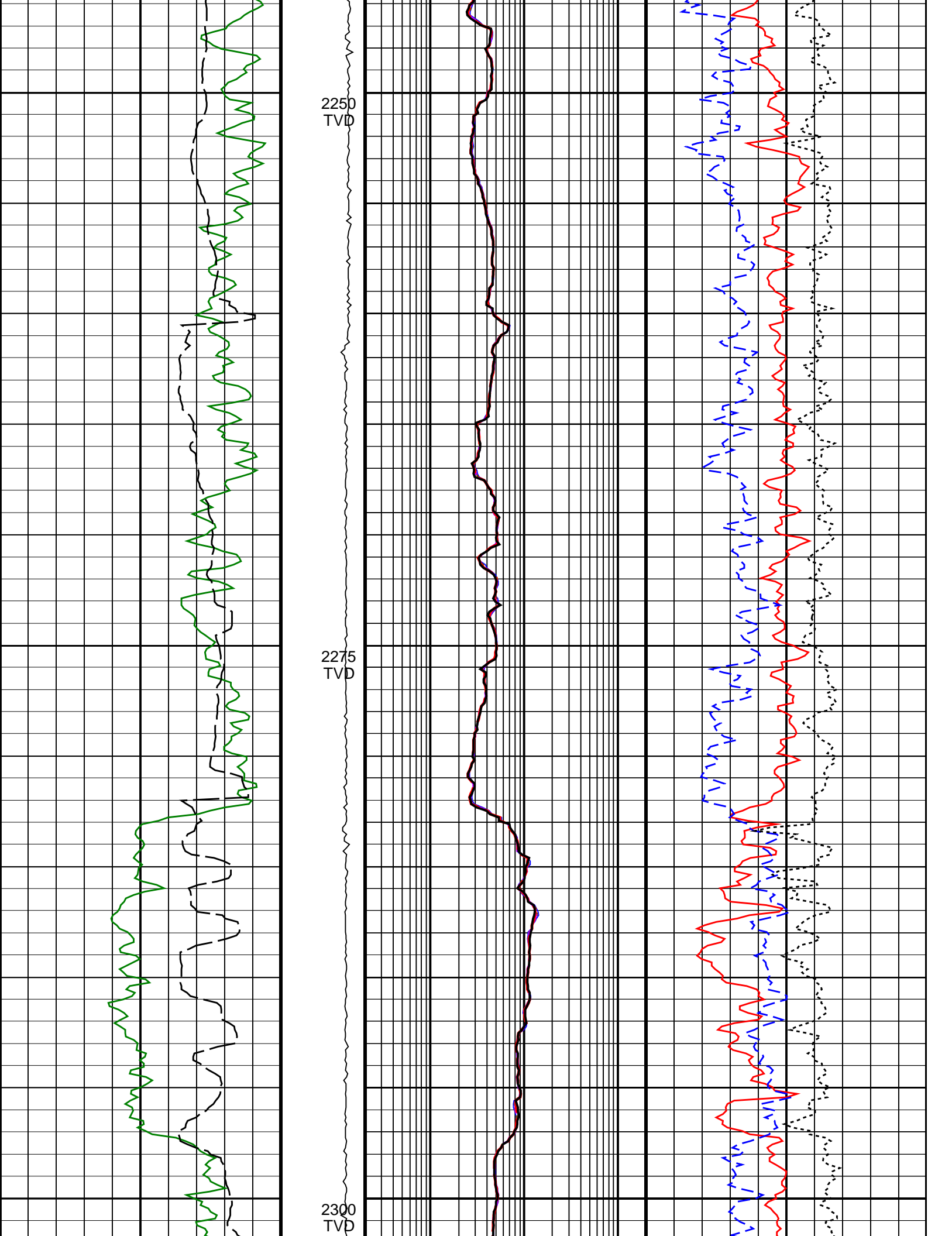


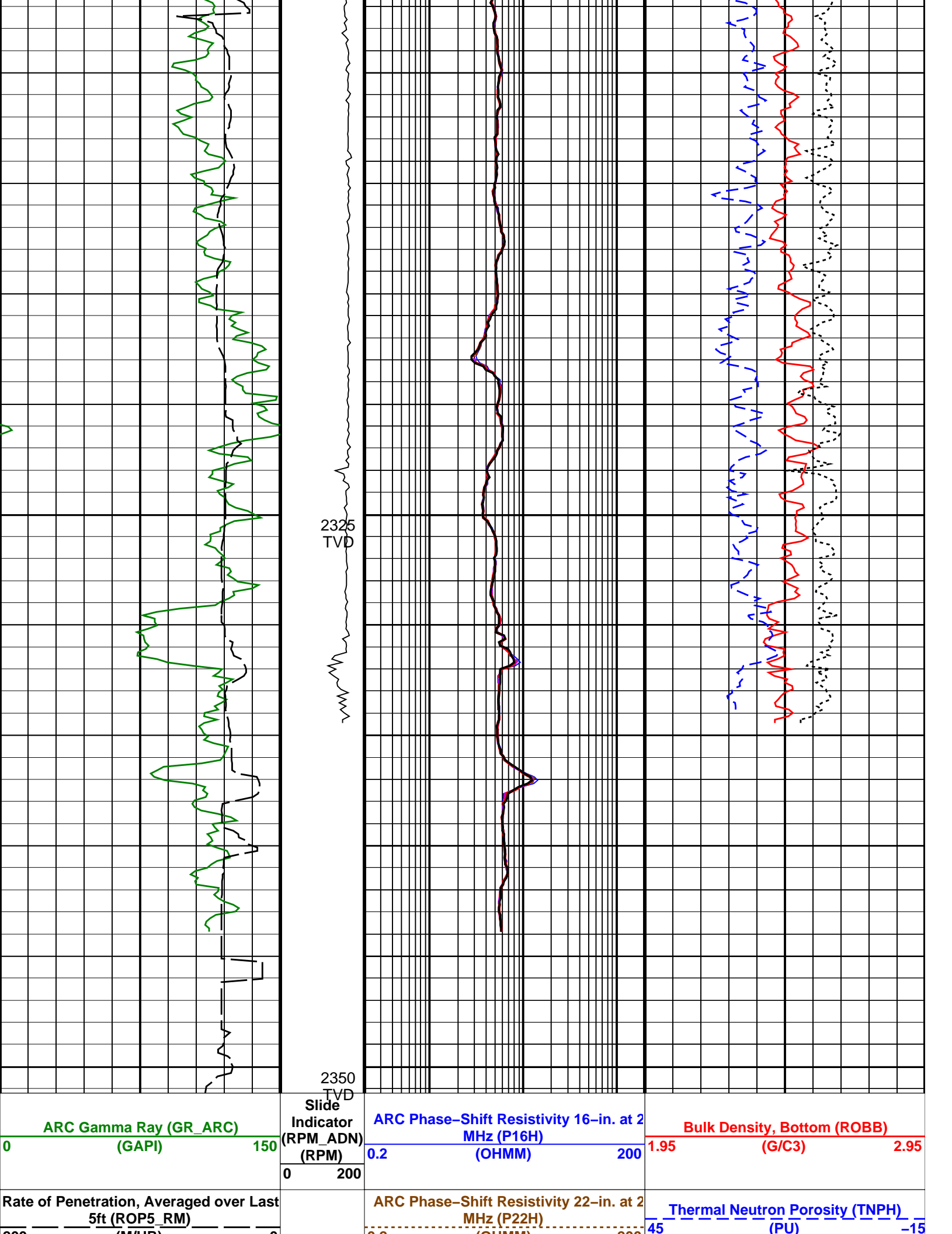


2200
TVD

2225
TVD







	0.2 (OHMM) 200		Bulk Density Correction, Bottom (DRHB) (G/C3) -0.25 0.25	
	ARC Phase-Shift Resistivity 28-in. at 2 MHz (P28H) (OHMM) 0.2 200			
	ARC Phase-Shift Resistivity 40-in. at 2 MHz (P40H) (OHMM) 0.2 200			
	ARC Phase-Shift Resistivity 34-in. at 2 MHz (P34H) (OHMM) 0.2 200			

IDEAL Version: ID13_0C_08 IDF				
ADN	id13_0c_02			

True Vertical Depth Log				
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8.25-in. Azimuthal Density Neutron / Equipment Identification				
Primary Equipment: Tool Name and Serial Number Neutron Logging Source Density Logging Source Stabilizer Size Calibration Status			ADN8 – AA NSR – N400 GSRZ–7793B 8.25 – in. AUTO –	

Master: Calibration out of date 18-Jun-2008 18:24				
8.25-in. Azimuthal Density Neutron Calibration				
Density: Magnesium Block				
Phase	LS window 3 – Mg CPS	Value	Phase	SS window 1 – Mg CPS
Master		1893	Master	
	250.0 (Minimum) 4125 (Nominal) 8000 (Maximum)			700.0 (Minimum) 9350 (Nominal) 18000 (Maximum)
			Phase	SS window 3 – Mg CPS
			Master	
				2500 (Minimum) 23750 (Nominal) 45000 (Maximum)

Master: Calibration out of date 18-Jun-2008 18:24				
8.25-in. Azimuthal Density Neutron Calibration				
Density: Aluminum Block				
Phase	LS window 3 – Al CPS	Value	Phase	SS window 1 – Al CPS
Master		319.4	Master	
	50.00 (Minimum) 725.0 (Nominal) 1400 (Maximum)			500.0 (Minimum) 4250 (Nominal) 8000 (Maximum)
			Phase	SS window 3 – Al CPS
			Master	
				1500 (Minimum) 15750 (Nominal) 30000 (Maximum)

Master: Calibration out of date 18-Jun-2008 18:24				
8.25-in. Azimuthal Density Neutron Calibration				
Density: Background				
Phase	LS window 3 – Background CPS	Value	Phase	SS window 1 – Background CPS
Master		50.24	Master	
	15.00 (Minimum) 82.50 (Nominal) 150.0 (Maximum)			40.00 (Minimum) 220.0 (Nominal) 400.0 (Maximum)
			Phase	SS window 3 – Background CPS
			Master	
				150.0 (Minimum) 825.0 (Nominal) 1500 (Maximum)

Master: Calibration out of date 18-Jun-2008 18:24				
8.25-in. Azimuthal Density Neutron Calibration				
Density: Water Block Check				
Phase	Long spacing water density G/C3	Value	Phase	Short spacing water density G/C3
Master		1.044	Master	
	1.026 (Minimum) 1.043 (Nominal) 1.059 (Maximum)			1.112 (Minimum) 1.155 (Nominal) 1.198 (Maximum)

Master: Calibration out of date 18-Jun-2008 18:24				
8.25-in. Azimuthal Density Neutron Calibration				
Neutron: 3-Point Calibration				
Phase	Far Tube 1 Air Point Measure CPS	Value	Phase	Far Tube 1 Rod Point Measure CPS
			Phase	Far Tube 1 Water Point Measure CPS











Master	<div><div></div></div>	133.0	Master	<div><div></div></div>	28.11	Master	<div><div></div></div>	17.51			
110.0 (Minimum)	140.3 (Nominal)	170.0 (Maximum)	23.00 (Minimum)	31.16 (Nominal)	37.00 (Maximum)	15.00 (Minimum)	20.65 (Nominal)	25.00 (Maximum)			
Phase	Far Tube 2 Air Point Measure	CPS	Value	Phase	Far Tube 2 Rod Point Measure	CPS	Value	Phase	Far Tube 2 Water Point Measure	CPS	Value
Master	<div><div></div></div>	148.9	Master	<div><div></div></div>	29.93	Master	<div><div></div></div>	19.01			
120.0 (Minimum)	150.4 (Nominal)	180.0 (Maximum)	24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)	15.00 (Minimum)	21.52 (Nominal)	26.00 (Maximum)			
Phase	Far Tube 3 Air Point Measure	CPS	Value	Phase	Far Tube 3 Rod Point Measure	CPS	Value	Phase	Far Tube 3 Water Point Measure	CPS	Value
Master	<div><div></div></div>	150.5	Master	<div><div></div></div>	30.82	Master	<div><div></div></div>	19.24			
120.0 (Minimum)	151.5 (Nominal)	180.0 (Maximum)	24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)	15.00 (Minimum)	21.53 (Nominal)	26.00 (Maximum)			
Phase	Far Tube 4 Air Point Measure	CPS	Value	Phase	Far Tube 4 Rod Point Measure	CPS	Value	Phase	Far Tube 4 Water Point Measure	CPS	Value
Master	<div><div></div></div>	141.4	Master	<div><div></div></div>	29.05	Master	<div><div></div></div>	18.55			
120.0 (Minimum)	150.4 (Nominal)	180.0 (Maximum)	24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)	15.00 (Minimum)	21.52 (Nominal)	26.00 (Maximum)			
Phase	Far Tube 5 Air Point Measure	CPS	Value	Phase	Far Tube 5 Rod Point Measure	CPS	Value	Phase	Far Tube 5 Water Point Measure	CPS	Value
Master	<div><div></div></div>	142.0	Master	<div><div></div></div>	29.97	Master	<div><div></div></div>	19.05			
110.0 (Minimum)	140.3 (Nominal)	170.0 (Maximum)	23.00 (Minimum)	31.16 (Nominal)	37.00 (Maximum)	15.00 (Minimum)	20.65 (Nominal)	25.00 (Maximum)			
Phase	Near Tube 1 Air Point Measure	CPS	Value	Phase	Near Tube 1 Rod Point Measure	CPS	Value	Phase	Near Tube 1 Water Point Measure	CPS	Value
Master	<div><div></div></div>	1501	Master	<div><div></div></div>	2116	Master	<div><div></div></div>	1075			
1300 (Minimum)	1605 (Nominal)	1900 (Maximum)	1800 (Minimum)	2375 (Nominal)	2800 (Maximum)	900.0 (Minimum)	1288 (Nominal)	1500 (Maximum)			
Phase	Near Tube 2 Air Point Measure	CPS	Value	Phase	Near Tube 2 Rod Point Measure	CPS	Value	Phase	Near Tube 2 Water Point Measure	CPS	Value
Master	<div><div></div></div>	977.8	Master	<div><div></div></div>	921.9	Master	<div><div></div></div>	465.3			
800.0 (Minimum)	1027 (Nominal)	1200 (Maximum)	600.0 (Minimum)	989.1 (Nominal)	1200 (Maximum)	300.0 (Minimum)	532.3 (Nominal)	700.0 (Maximum)			
Phase	Near Tube 3 Air Point Measure	CPS	Value	Phase	Near Tube 3 Rod Point Measure	CPS	Value	Phase	Near Tube 3 Water Point Measure	CPS	Value
Master	<div><div></div></div>	1520	Master	<div><div></div></div>	2263	Master	<div><div></div></div>	1156			
1300 (Minimum)	1605 (Nominal)	1900 (Maximum)	1800 (Minimum)	2375 (Nominal)	2800 (Maximum)	900.0 (Minimum)	1288 (Nominal)	1500 (Maximum)			

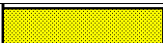
Master: Calibration out of date 18-Jun-2008 18:24											
8.25-in. Azimuthal Density Neutron Calibration											
Neutron: Water Block Check											
Phase	Far Neutron water porosity PU									Value	
Master	<div><div></div></div>									108.3	
	90.00 (Minimum)			100.0 (Nominal)					120.0 (Maximum)		

8.25-in. Array Resistivity Compensated / Equipment Identification											
Primary Equipment:											
Tool Name and Serial Number						ARC8 – AA		8270			
ARC825 Calibration Status						–					




Master: Calibration out of date 8-Jun-2008 8:32											
8.25-in. Array Resistivity Compensated Calibration											
Resistivity: Air											
Phase	Phase-Shift T1		Value	Phase	Phase-Shift T2		Value	Phase	Phase-Shift T3		Value
Master	<div><div></div></div>		2.172	Master	<div><div></div></div>		–2.111	Master	<div><div></div></div>		2.077
	–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T4		Value	Phase	Phase-Shift T5		Value	Phase	Phase-Shift T1 at 400KHz		Value
Master	<div><div></div></div>		–2.142	Master	<div><div></div></div>		2.056	Master	<div><div></div></div>		–0.3280
	–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)		–3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T2 at 400KHz		Value	Phase	Phase-Shift T3 at 400KHz		Value	Phase	Phase-Shift T4 at 400KHz		Value
Master	<div><div></div></div>		0.3061	Master	<div><div></div></div>		–0.3131	Master	<div><div></div></div>		0.2386

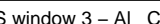


<div><div>-3.900 (Minimum)</div><div>0.1000 (Nominal)</div><div>4.100 (Maximum)</div></div>			<div><div>-3.900 (Minimum)</div><div>0.1000 (Nominal)</div><div>4.100 (Maximum)</div></div>			<div><div>-3.900 (Minimum)</div><div>0.1000 (Nominal)</div><div>4.100 (Maximum)</div></div>		
Phase	Phase-Shift T5 at 400KHz		Value					
Master	<div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div></div><div>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Master: Calibration out of date 8-Jun-2008 8:32														
8.25-in. Array Resistivity Compensated Calibration														
Resistivity: Air														
Phase	Attenuation T1			Value	Phase	Attenuation T2			Value	Phase	Attenuation T3			Value
Master				8.438	Master				6.238	Master				5.150
6.500 (Minimum) 8.500 (Nominal) 10.50 (Maximum)					4.500 (Minimum) 6.500 (Nominal) 8.500 (Maximum)					2.500 (Minimum) 4.500 (Nominal) 6.500 (Maximum)				
Phase	Attenuation T4			Value	Phase	Attenuation T5			Value	Phase	Attenuation T1 at 400KHz			Value
Master				4.185	Master				3.737	Master				8.462
2.600 (Minimum) 4.600 (Nominal) 6.600 (Maximum)					1.600 (Minimum) 3.600 (Nominal) 5.600 (Maximum)					6.500 (Minimum) 8.500 (Nominal) 10.50 (Maximum)				
Phase	Attenuation T2 at 400KHz			Value	Phase	Attenuation T3 at 400KHz			Value	Phase	Attenuation T4 at 400KHz			Value
Master				6.221	Master				5.167	Master				4.158
4.500 (Minimum) 6.500 (Nominal) 8.500 (Maximum)					2.500 (Minimum) 4.500 (Nominal) 6.500 (Maximum)					2.600 (Minimum) 4.600 (Nominal) 6.600 (Maximum)				
Phase	Attenuation T5 at 400KHz			Value										
Master				3.767										
1.600 (Minimum) 3.600 (Nominal) 5.600 (Maximum)														




Master: Calibration out of date 8-Jun-2008 9:57								
8.25-in. Array Resistivity Compensated Calibration								
Gamma Ray: Blanket								
Phase	Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS							Value
Master								8.026
	4.960 (Minimum)	7.200 (Nominal)	9.650 (Maximum)					

8.25-in. Azimuthal Density Neutron / Equipment Identification	
Primary Equipment: Tool Name and Serial Number Neutron Logging Source Density Logging Source Stabilizer Size Calibration Status	ADN8 – AA NSR – N400 GSRZ–7793B 8.25 – in. AUTO –

Master: Calibration out of date 18-Jun-2008 5:03														
8.25-in. Azimuthal Density Neutron Calibration														
Density: Magnesium Block														
Phase	LS window 3 – Mg CPS			Value	Phase	SS window 1 – Mg CPS			Value	Phase	SS window 3 – Mg CPS			Value
Master				1922	Master				6126	Master				14490
	250.0 (Minimum)	4125 (Nominal)	8000 (Maximum)			700.0 (Minimum)	9350 (Nominal)	18000 (Maximum)			2500 (Minimum)	23750 (Nominal)	45000 (Maximum)	


Master: Calibration out of date 18-Jun-2008 5:03														
8.25-in. Azimuthal Density Neutron Calibration														
Density: Aluminum Block														
Phase	LS window 3 – Al CPS			Value	Phase	SS window 1 – Al CPS			Value	Phase	SS window 3 – Al CPS			Value
Master				331.0	Master				3506	Master				9902
	50.00 (Minimum)	725.0 (Nominal)	1400 (Maximum)			500.0 (Minimum)	4250 (Nominal)	8000 (Maximum)			1500 (Minimum)	15750 (Nominal)	30000 (Maximum)	

Master: Calibration out of date 18-Jun-2008 5:03											
8.25-in. Azimuthal Density Neutron Calibration											
Density: Background											
Phase	LS window 3 – Background CPS		Value	Phase	SS window 1 – Background CPS		Value	Phase	SS window 3 – Background CPS		Value
Master			50.05	Master			412.6	Master			122.4

Master		50.65	Master		113.6	Master		482.1			
	15.00 (Minimum)	82.50 (Nominal)	150.0 (Maximum)		40.00 (Minimum)	220.0 (Nominal)	400.0 (Maximum)		150.0 (Minimum)	825.0 (Nominal)	1500 (Maximum)

Master: Calibration out of date 18-Jun-2008 5:03											
8.25-in. Azimuthal Density Neutron Calibration											
Density: Water Block Check											
Phase	Long spacing water density G/C3			Value	Phase	Short spacing water density G/C3			Value		
Master				1.035	Master				1.141		
	1.026 (Minimum)	1.043 (Nominal)	1.059 (Maximum)			1.112 (Minimum)	1.155 (Nominal)	1.198 (Maximum)			

Master: Calibration out of date 18-Jun-2008 5:03														
8.25-in. Azimuthal Density Neutron Calibration														
Neutron: 3-Point Calibration														
Phase	Far Tube 1 Air Point Measure CPS			Value	Phase	Far Tube 1 Rod Point Measure CPS			Value	Phase	Far Tube 1 Water Point Measure CPS			Value
Master				134.1	Master				28.96	Master				18.52
	110.0 (Minimum)	140.3 (Nominal)	170.0 (Maximum)			23.00 (Minimum)	31.16 (Nominal)	37.00 (Maximum)			15.00 (Minimum)	20.65 (Nominal)	25.00 (Maximum)	
Phase	Far Tube 2 Air Point Measure CPS			Value	Phase	Far Tube 2 Rod Point Measure CPS			Value	Phase	Far Tube 2 Water Point Measure CPS			Value
Master				148.3	Master				31.65	Master				19.90
	120.0 (Minimum)	150.4 (Nominal)	180.0 (Maximum)			24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)			15.00 (Minimum)	21.52 (Nominal)	26.00 (Maximum)	
Phase	Far Tube 3 Air Point Measure CPS			Value	Phase	Far Tube 3 Rod Point Measure CPS			Value	Phase	Far Tube 3 Water Point Measure CPS			Value
Master				148.0	Master				31.29	Master				19.77
	120.0 (Minimum)	151.5 (Nominal)	180.0 (Maximum)			24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)			15.00 (Minimum)	21.53 (Nominal)	26.00 (Maximum)	
Phase	Far Tube 4 Air Point Measure CPS			Value	Phase	Far Tube 4 Rod Point Measure CPS			Value	Phase	Far Tube 4 Water Point Measure CPS			Value
Master				142.4	Master				30.24	Master				19.21
	120.0 (Minimum)	150.4 (Nominal)	180.0 (Maximum)			24.00 (Minimum)	32.40 (Nominal)	38.00 (Maximum)			15.00 (Minimum)	21.52 (Nominal)	26.00 (Maximum)	
Phase	Far Tube 5 Air Point Measure CPS			Value	Phase	Far Tube 5 Rod Point Measure CPS			Value	Phase	Far Tube 5 Water Point Measure CPS			Value
Master				136.6	Master				30.08	Master				19.18
	110.0 (Minimum)	140.3 (Nominal)	170.0 (Maximum)			23.00 (Minimum)	31.16 (Nominal)	37.00 (Maximum)			15.00 (Minimum)	20.65 (Nominal)	25.00 (Maximum)	
Phase	Near Tube 1 Air Point Measure CPS			Value	Phase	Near Tube 1 Rod Point Measure CPS			Value	Phase	Near Tube 1 Water Point Measure CPS			Value
Master				1513	Master				2116	Master				1088
	1300 (Minimum)	1605 (Nominal)	1900 (Maximum)			1800 (Minimum)	2375 (Nominal)	2800 (Maximum)			900.0 (Minimum)	1288 (Nominal)	1500 (Maximum)	
Phase	Near Tube 2 Air Point Measure CPS			Value	Phase	Near Tube 2 Rod Point Measure CPS			Value	Phase	Near Tube 2 Water Point Measure CPS			Value
Master				967.5	Master				910.2	Master				467.9
	800.0 (Minimum)	1027 (Nominal)	1200 (Maximum)			600.0 (Minimum)	989.1 (Nominal)	1200 (Maximum)			300.0 (Minimum)	532.3 (Nominal)	700.0 (Maximum)	
Phase	Near Tube 3 Air Point Measure CPS			Value	Phase	Near Tube 3 Rod Point Measure CPS			Value	Phase	Near Tube 3 Water Point Measure CPS			Value
Master				1517	Master				2152	Master				1111
	1300 (Minimum)	1605 (Nominal)	1900 (Maximum)			1800 (Minimum)	2375 (Nominal)	2800 (Maximum)			900.0 (Minimum)	1288 (Nominal)	1500 (Maximum)	

Master: Calibration out of date 18-Jun-2008 5:03			
8.25-in. Azimuthal Density Neutron Calibration			
Neutron: Water Block Check			
Phase	Far Neutron water porosity PU		Value
Master			116.3
	90.00 (Minimum)	100.0 (Nominal)	120.0 (Maximum)

8.25-in. Array Resistivity Compensated / Equipment Identification											
Primary Equipment:											
Tool Name and Serial Number						ARC8 – AA 9078					
ARC825 Calibration Status						–					

Master: Calibration out of date 28-Apr-2008 15:06

8.25-in. Array Resistivity Compensated Calibration

Resistivity: Air

Phase	Phase-Shift T1	Value	Phase	Phase-Shift T2	Value	Phase	Phase-Shift T3	Value	
Master		0.5746	Master		-0.5489	Master		0.4914	
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T4	Value	Phase	Phase-Shift T5	Value	Phase	Phase-Shift T1 at 400KHz	Value	
Master		-0.6287	Master		0.4811	Master		0.3191	
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T2 at 400KHz	Value	Phase	Phase-Shift T3 at 400KHz	Value	Phase	Phase-Shift T4 at 400KHz	Value	
Master		-0.3568	Master		0.3384	Master		-0.4028	
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)
Phase	Phase-Shift T5 at 400KHz	Value							
Master		0.3277							
	-3.900 (Minimum)	0.1000 (Nominal)	4.100 (Maximum)						

Master: Calibration out of date 28-Apr-2008 15:06

8.25-in. Array Resistivity Compensated Calibration


Resistivity: Air

Phase	Attenuation T1	Value	Phase	Attenuation T2	Value	Phase	Attenuation T3	Value	
Master		8.586	Master		6.067	Master		5.303	
	6.500 (Minimum)	8.500 (Nominal)	10.50 (Maximum)	4.500 (Minimum)	6.500 (Nominal)	8.500 (Maximum)	2.500 (Minimum)	4.500 (Nominal)	6.500 (Maximum)
Phase	Attenuation T4	Value	Phase	Attenuation T5	Value	Phase	Attenuation T1 at 400KHz	Value	
Master		4.022	Master		3.895	Master		8.591	
	2.600 (Minimum)	4.600 (Nominal)	6.600 (Maximum)	1.600 (Minimum)	3.600 (Nominal)	5.600 (Maximum)	6.500 (Minimum)	8.500 (Nominal)	10.50 (Maximum)
Phase	Attenuation T2 at 400KHz	Value	Phase	Attenuation T3 at 400KHz	Value	Phase	Attenuation T4 at 400KHz	Value	
Master		6.072	Master		5.307	Master		4.024	
	4.500 (Minimum)	6.500 (Nominal)	8.500 (Maximum)	2.500 (Minimum)	4.500 (Nominal)	6.500 (Maximum)	2.600 (Minimum)	4.600 (Nominal)	6.600 (Maximum)
Phase	Attenuation T5 at 400KHz	Value							
Master		3.908							
	1.600 (Minimum)	3.600 (Nominal)	5.600 (Maximum)						

Master: Calibration out of date 26-Apr-2008 11:38

8.25-in. Array Resistivity Compensated Calibration

Gamma Ray: Blanket

Gamma Ray: Blanket			
Phase	Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS		Value
Master			8.387
	4.960 (Minimum)	7.200 (Nominal)	9.650 (Maximum)

SCHLUMBERGER

Survey report

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Client..... Nexus Energy Limited
Field..... Longtom

Well..... Longtom-4
API number..... 08ASQ0007
Engineer..... Yuda/Chris.H/STDAung

Rig..... West Triton
State..... Victoria

Spud date..... 20-June-08
Last survey date..... 01-Sep-08
Total accepted surveys.... 77
MD of first survey..... 0.00 m
MD of last survey..... 2600.00 m

----- Survey calculation methods-----
Method for positions..... Minimum curvature
Method for DLS..... Mason & Taylor

----- Depth reference -----
Datum datum..... Least Astronomical Tide

----- Geomagnetic data -----
Magnetic model..... BGGM version 2007
Magnetic date..... 29-Jun-2008
Magnetic field strength... 1195.93 HCONT
Magnetic dec (+E/W-)..... 13.10 degrees
Magnetic dip..... 69.50 degrees

Permanent datum..... Least Astronomical Tide
Depth reference..... Driller's Depth
GL above permanent..... -97.06 m
KB above permanent..... Top Drive
DF above permanent..... 41.06 m

----- Vertical section origin-----
Latitude (+N/S-)..... 0.00 m
Departure (+E/W-)..... 0.00 m

----- Platform reference point-----
Latitude (+N/S-).....
Departure (+E/W-).....

Azimuth from Vsect Origin to target: 183.55 degrees

Magnetic dip..... -68.59 degrees
----- MWD survey Reference Criteria -----
Reference G..... 1000.02 mGal
Reference H..... 1195.93 HCNT
Reference Dip..... -68.59 degrees
Tolerance of G..... (+/-) 2.50 mGal
Tolerance of H..... (+/-) 6.00 HCNT
Tolerance of Dip..... (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-)..... 13.10 degrees
Grid convergence (+E/W-).. -0.82 degrees
Total az corr (+E/W-)..... 13.92 degrees
(Total az corr = magnetic dec - grid conv)
Survey Correction Type ...:
I=Sag Corrected Inclination
M=Schlumberger Magnetic Correction
S=Shell Magnetic Correction
F=Failed Axis Correction
R=Magnetic Resonance Tool Correction
D=Dmag Magnetic Correction

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/D/M)	Srvy tool type	Tool Corr (deg)
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	TIP	None
2	97.03	0.00	0.00	97.03	97.03	0.00	0.00	0.00	0.00	0.00	0.00	MWD	None
3	116.15	0.69	328.34	19.12	116.15	-0.09	0.10	-0.06	0.12	328.34	0.04	MWD	None
4	124.06	0.56	358.29	7.91	124.06	-0.17	0.18	-0.09	0.20	333.96	0.04	MWD	None
5	147.44	0.36	43.93	23.38	147.44	-0.34	0.34	-0.04	0.35	353.53	0.02	MWD	None
6	204.75	0.52	335.69	57.31	204.75	-0.71	0.71	-0.02	0.71	358.29	0.01	MWD	None
7	324.05	0.78	189.14	119.30	324.04	-0.38	0.40	-0.37	0.55	317.18	0.01	MWD	None
8	382.91	0.23	326.57	58.86	382.90	-0.07	0.11	-0.50	0.51	281.89	0.02	MWD	None
9	412.77	0.34	250.06	29.86	412.76	-0.09	0.13	-0.62	0.63	281.47	0.01	MWD	None
10	442.90	0.19	118.87	30.13	442.89	-0.03	0.07	-0.66	0.66	276.14	0.02	MWD	None
11	531.83	0.85	328.15	88.93	531.82	-0.50	0.56	-0.88	1.04	302.55	0.01	MWD	None
12	563.30	0.97	289.41	31.47	563.29	-0.77	0.85	-1.25	1.51	304.08	0.02	MWD	None
13	651.66	0.44	355.43	88.36	651.64	-1.31	1.43	-1.98	2.45	305.85	0.01	MWD	None
14	741.14	0.59	334.49	89.48	741.12	-2.05	2.19	-2.21	3.11	314.76	0.00	MWD	None
15	750.39	0.71	327.45	9.25	750.37	-2.14	2.28	-2.26	3.21	315.27	0.02	MWD	None
16	783.28	0.52	304.12	32.89	783.25	-2.38	2.54	-2.49	3.56	315.50	0.01	PUP	None
17	812.94	2.32	203.29	29.66	812.91	-1.88	2.06	-2.84	3.51	305.96	0.08	PUP	None
18	842.62	5.16	197.90	29.68	842.52	-0.02	0.24	-3.49	3.50	273.94	0.10	PUP	None
19	872.25	7.16	192.11	29.63	871.98	3.09	-2.83	-4.29	5.14	236.55	0.07	PUP	None
20	901.94	8.22	183.91	29.69	901.40	7.05	-6.76	-4.82	8.30	215.50	0.05	PUP	None
21	931.42	10.19	179.91	29.48	930.50	11.76	-11.47	-4.96	12.50	203.39	0.07	PUP	None
22	960.94	13.95	179.75	29.52	959.36	17.91	-17.64	-4.94	18.32	195.65	0.13	PUP	None
23	990.68	17.52	178.95	29.74	987.98	25.96	-25.71	-4.84	26.16	190.67	0.12	PUP	None
24	1020.40	20.88	177.48	29.72	1016.05	35.68	-35.47	-4.53	35.76	187.28	0.11	PUP	None
25	1050.08	24.28	176.64	29.68	1043.45	47.01	-46.85	-3.94	47.02	184.80	0.12	PUP	None
26	1078.64	25.70	178.42	28.56	1069.33	59.00	-58.90	-3.42	59.00	183.33	0.06	PUP	None
27	1108.28	26.85	180.79	29.64	1095.91	72.09	-72.02	-3.34	72.10	182.65	0.05	PUP	None
28	1137.39	27.64	182.43	29.11	1121.79	85.41	-85.34	-3.72	85.42	182.49	0.04	PUP	None
29	1166.97	28.48	183.83	29.58	1147.89	99.32	-99.23	-4.48	99.34	182.58	0.04	PUP	None
30	1196.40	29.46	184.58	29.43	1173.64	113.57	-113.45	-5.52	113.58	182.79	0.04	PUP	None

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SCHLUMBERGER Survey Report

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Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/D/M)	Srvy tool type	Tool Corr (deg)
31	1225.95	30.16	185.46	29.55	1199.28	128.26	-128.08	-6.81	128.26	183.04	0.03	PUP	None
32	1255.99	29.83	185.82	30.04	1225.30	143.27	-143.03	-8.29	143.27	183.32	0.01	PUP	None
33	1285.37	30.03	186.70	29.38	1250.76	157.91	-157.60	-9.88	157.91	183.59	0.02	PUP	None
34	1315.16	31.09	187.90	29.79	1276.41	173.02	-172.62	-11.81	173.03	183.91	0.04	PUP	None
35	1344.99	31.21	187.53	29.83	1301.94	188.41	-187.91	-13.88	188.42	184.23	0.01	PUP	None
36	1374.68	30.42	184.92	29.69	1327.44	203.60	-203.03	-15.54	203.62	184.38	0.05	PUP	None
37	1404.59	30.04	183.00	29.91	1353.28	218.66	-218.05	-16.58	218.68	184.35	0.03	PUP	None
38	1433.94	31.67	182.29	29.35	1378.48	233.71	-233.09	-17.27	233.72	184.24	0.06	PUP	None
39	1463.79	30.65	181.20	29.85	1404.02	249.14	-248.52	-17.74	249.16	184.08	0.04	PUP	None
40	1493.62	30.04	180.72	29.83	1429.76	264.20	-263.59	-18.00	264.20	183.91	0.02	PUP	None
41	1523.35	30.08	180.58	29.73	1455.50	279.07	-278.48	-18.16	279.07	183.73	0.00	PUP	None
42	1553.11	30.38	181.81	29.76	1481.21	294.04	-293.46	-18.48	294.04	183.60	0.02	PUP	None
43	1583.05	30.31	183.44	29.94	1507.05	309.16	-308.57	-19.17	309.16	183.55	0.03	PUP	None
44	1612.84	30.34	184.08	29.79	1532.76	324.21	-323.58	-20.16	324.21	183.56	0.01	PUP	None
45	1642.12	30.48	183.53	29.28	1558.01	339.03	-338.37	-21.14	339.03	183.57	0.01	PUP	None
46	1671.81	30.16	182.75	29.69	1583.64	354.01	-353.33	-21.96	354.01	183.56	0.02	PUP	None
47	1701.38	29.96	181.97	29.57	1609.24	368.82	-368.13	-22.57	368.82	183.51	0.01	PUP	None
48	1730.84	30.49	182.20	29.46	1634.69	383.65	-382.95	-23.11	383.65	183.45	0.02	PUP	None
49	1760.64	30.44	183.16	29.80	1660.38	398.76	-398.04	-23.82	398.76	183.42	0.02	PUP	None
50	1790.34	29.76	183.49	29.70	1686.07	413.65	-412.91	-24.68	413.65	183.42	0.02	PUP	None
51	1820.04	29.12	183.26	29.70	1711.94	428.25	-427.49	-25.54	428.25	183.42	0.02	PUP	None
52	1849.86	28.05	182.80	29.82	1738.12	442.51	-441.73	-26.30	442.51	183.41	0.04	PUP	None
53	1879.39	28.44	182.54	29.53	1764.14	456.49	-455.69	-26.95	456.49	183.38	0.01	PUP	None
54	1909.08	29.18	181.91	29.69	1790.15	470.79	-469.99	-27.50	470.79	183.35	0.03	PUP	None
55	1938.97	29.25	182.37	29.89	1816.24	485.37	-484.57	-28.05	485.38	183.31	0.01	PUP	None
56	1968.51	27.91	181.63	29.54	1842.19	499.49	-498.67	-28.54	499.48	183.28	0.05	PUP	None

56	1968.51	27.81	181.63	29.54	1842.19	499.48	-498.67	-28.54	499.48	183.28	0.05	PUP	None
57	1998.05	27.26	181.66	29.54	1868.38	513.13	-512.32	-28.93	513.13	183.23	0.02	PUP	None
58	2028.03	26.98	181.70	29.98	1895.07	526.79	-525.98	-29.33	526.80	183.19	0.01	PUP	None
59	2057.68	29.01	184.81	29.65	1921.25	540.70	-539.87	-30.14	540.71	183.19	0.08	PUP	None
60	2087.27	29.58	188.03	29.59	1947.06	555.15	-554.25	-31.76	555.16	183.28	0.06	PUP	None

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Seq # -	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/ D/M)	Srvy tool type	Tool Corr (deg)
61	2116.78	29.55	188.02	29.51	1972.72	569.67	-568.67	-33.79	569.67	183.40	0.00	PUP	None
62	2146.82	30.97	187.12	30.04	1998.67	584.77	-583.67	-35.78	584.77	183.51	0.05	PUP	None
63	2176.36	31.76	185.57	29.54	2023.89	600.13	-598.95	-37.48	600.13	183.58	0.04	PUP	None
64	2206.21	31.48	183.82	29.85	2049.31	615.77	-614.55	-38.76	615.77	183.61	0.03	PUP	None
65	2235.88	31.35	183.41	29.67	2074.63	631.24	-629.98	-39.74	631.24	183.61	0.01	PUP	None
66	2265.38	32.11	184.62	29.50	2099.72	646.75	-645.46	-40.82	646.75	183.62	0.03	PUP	None
67	2295.13	31.69	185.04	29.75	2124.98	662.47	-661.12	-42.15	662.47	183.65	0.02	PUP	None
68	2325.11	33.21	184.84	29.98	2150.28	678.55	-677.15	-43.53	678.55	183.68	0.05	PUP	None
69	2355.31	35.92	185.28	30.20	2175.15	695.67	-694.22	-45.04	695.68	183.71	0.09	PUP	None
70	2385.09	36.82	184.07	29.78	2199.13	713.33	-711.82	-46.48	713.33	183.74	0.04	PUP	None
71	2413.59	37.70	183.21	28.50	2221.81	730.58	-729.03	-47.58	730.59	183.73	0.04	PUP	None
72	2472.44	42.55	182.99	58.85	2266.79	768.50	-766.89	-49.62	768.50	183.70	0.08	PUP	None
73	2502.19	45.34	182.77	29.75	2288.21	789.14	-787.51	-50.66	789.14	183.68	0.09	PUP	None
74	2531.76	48.61	183.24	29.57	2308.39	810.75	-809.10	-51.79	810.75	183.66	0.11	PUP	None
75	2561.19	50.89	182.57	29.43	2327.40	833.21	-831.53	-52.93	833.21	183.64	0.08	PUP	None
76	2578.22	52.52	183.03	17.03	2337.95	846.57	-844.88	-53.58	846.57	183.63	0.10	PUP	None
77	2600.00	52.52	183.03	21.78	2351.21	863.86	-862.14	-54.50	863.86	183.62	0.00	Proj.	to TD

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Company:
Nexus Energy Limited

Well:
Longtom-4

Field:
Longtom

Rig:
West Triton

State:
Victoria

13.5 in Section

VISION Service
1:200 True Vertical Depth
Real Time Data

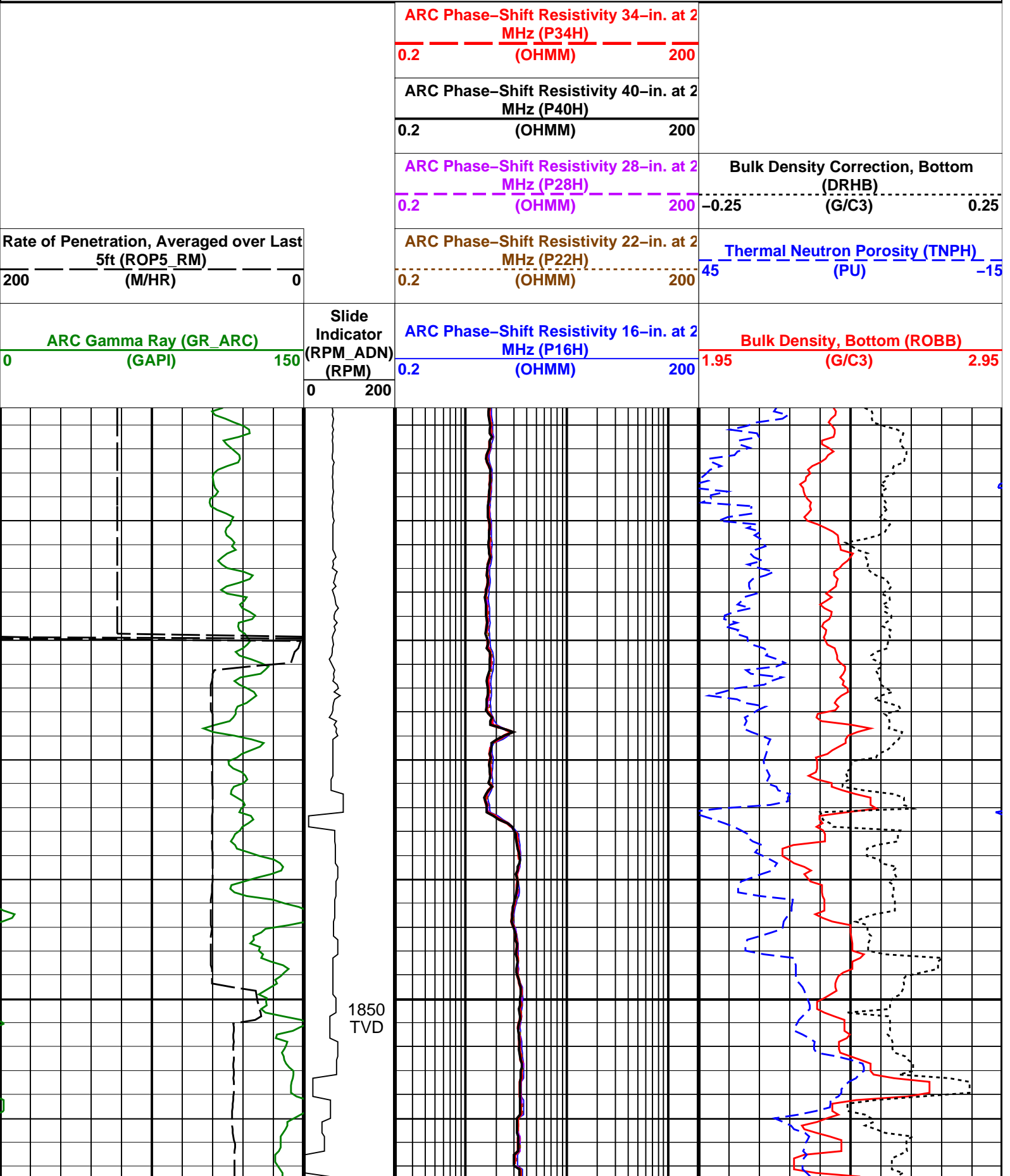
Schlumberger

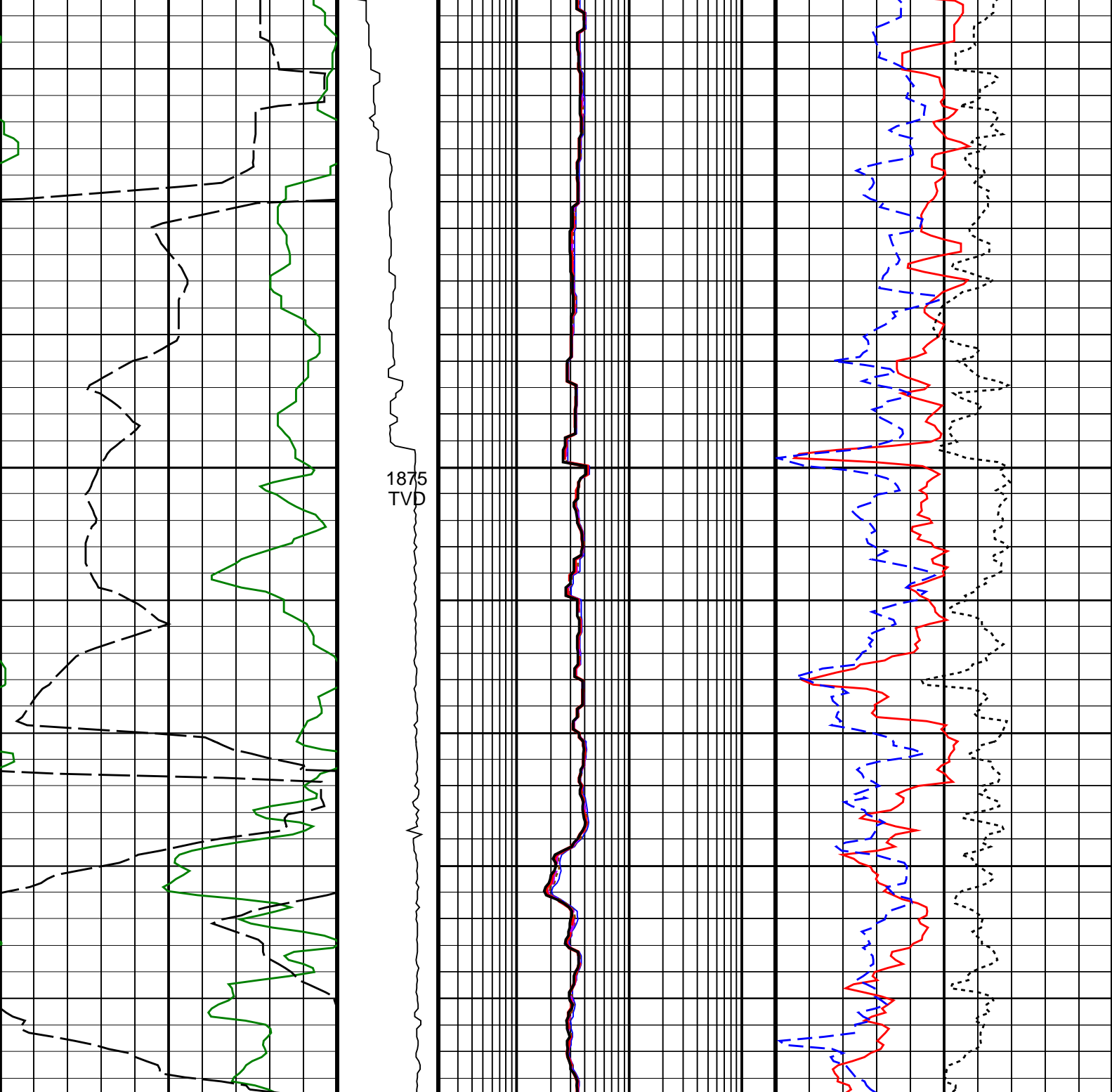
Longtom-4 RM 200TVD WashDown Log

ADN id13_0c_02

Format: 200TVD_ADN_ARC Vertical Scale: 1:200

Graphics File Created: 24-Sep-2008 03:48





ARC Gamma Ray (GR_ARC)			Slide Indicator (RPM_ADN) (RPM)	ARC Phase-Shift Resistivity 16-in. at 2 MHz (P16H)		Bulk Density, Bottom (ROBB)			
0	(GAPI)	150		0.2	(OHMM)	200	1.95	(G/C3)	2.95
				0	200				
Rate of Penetration, Averaged over Last 5ft (ROP5_RM)				ARC Phase-Shift Resistivity 22-in. at 2 MHz (P22H)		Thermal Neutron Porosity (TNPH)			
200	(M/HR)	0		0.2	(OHMM)	200	45	(PU)	-15
				ARC Phase-Shift Resistivity 28-in. at 2 MHz (P28H)		Bulk Density Correction, Bottom			
				0.2	(OHMM)	200	-0.25	(G/C3)	0.25
				ARC Phase-Shift Resistivity 40-in. at 2 MHz (P40H)					
				0.2	(OHMM)	200			
			ARC Phase-Shift Resistivity 34-in. at 2						

0.2 ————— MHz (P34H) ————— 200
(OHMM)

IDEAL Version: ID13_0C_08
IDF

ADN	id13_0c_02
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True Vertical Depth Log