



<div>Delta-T is borehole compensated</div> <div>POOH to change bit</div>	<div>Delta-T is borehole compensated</div> <div>Button sensor failed @1680m &amp; 1713m MD</div> <div>POOH due to well TD</div>	
EQUIPMENT DESCRIPTION		
RUN2	RUN3	RUN
<div>DOWNHOLE EQUIPMENT</div> <div> <div>8-1/4" sadnVISION*</div> <div>DHS: V8.3A</div> <div>SN#42736</div> <div> <div>Neutron</div> <div>28.74</div> </div> <div> <div>Density</div> <div>26.88</div> </div> <div> <div>UltraSonic</div> <div>26.66</div> </div> </div> <div> <div>8-1/4" sonicVISION*</div> <div>DHS: V6.6b04</div> <div>SN#41229</div> <div> <div>Delta-T</div> <div>20.93</div> </div> </div> <div> <div>8-1/4" TeleScope*</div> <div>DHS: 9.2c02</div> <div>SN#VR52</div> <div> <div>D&amp;I</div> <div>11.48</div> </div> </div> <div> <div>8-1/4" arcVISION*</div> <div>DHS: V9.3b</div> <div>SN#4126</div> <div> <div>Gamma Ray</div> <div>4.12</div> <div>Positivity</div> <div>4.07</div> </div> </div>	<div>DOWNHOLE EQUIPMENT</div> <div> <div>8-1/4" sadnVISION*</div> <div>DHS: V8.3A</div> <div>SN#42736</div> <div> <div>Neutron</div> <div>27.12</div> </div> <div> <div>Density</div> <div>25.26</div> </div> <div> <div>UltraSonic</div> <div>25.04</div> </div> </div> <div> <div>8-1/4" sonicVISION*</div> <div>DHS: V6.6b04</div> <div>SN#857</div> <div> <div>Delta-T</div> <div>18.83</div> </div> </div> <div> <div>8-1/4" TeleScope*</div> <div>DHS: 9.2c02</div> <div>SN#VR52</div> <div> <div>D&amp;I</div> <div>9.94</div> </div> </div> <div> <div>8-1/4" geoVISION* Shallow</div> <div>3.58</div> <div>5.82</div> </div>	

SN#1106

APWD — 3.36

Float Sub SN#7221 — 1.57

12-1/4" Reed Hycalog PDC Bit SN#218663 — 0.00 0.35

Maximum string diameter 12.25 in.  
All lengths in Meters

DHS: V9.1b02  
SN#CA-025

Shallow — 3.50  
Medium — 3.27  
Deep — 3.07  
Ring Res — 2.80  
GR

Float Sub SN#7221 — 1.11 1.56

12-1/4" Hughes Mill Tooth Bit SN#6069569 — 0.00 0.34

Maximum string diameter 12.25 in.  
All lengths in Meters

Bit Run Summary

Run number		2	3								
Bit size	in	12.25	12.25								
Bit start depth	m	810.0	1454.0								
Bit end depth	m	1454.0	2183.0								
Top interval logged	m	804.0	1450.6								
Bottom interval logged	m	1450.6	2181.9								
Begin log: time		16:00	01:46								
Begin log: date		21-NOV-08	24-NOV-08								
End log: time		19:30	01:50								
End log: date		23-NOV-08	28-NOV-08								
Mud data											
Depth	m	1296	1838								
Type		WBM	WBM								
Mud weight	lbs/galUS	9.5	9.5								
Solids	%	3.1	4.9								
Chlorides	ppm	35,000	38,100								
Rm	ohm-m@degC	0.1254@21.8	0.0925@21.8								
Rmf	ohm-m@degC	0.1118@21.7	0.0892@21.3								
Rmc	ohm-m@degC	0.2670@21.6	0.1516@21.9								
Potassium	%	3.66	3.76								
Environmental data											
GR											
Mud weight	ppg	9.5	9.5								
Bit size	in	12.25	12.25								
Resistivity											
Neutron porosity											
Hole Size	in	12.25	12.25								
Mud weight	lbs/galUS	9.5	9.5								
Temperature	degC	21.8	21.8								
Mud salinity	PPK	51.307	57.368								
Formation salinity	PPK	N/A	N/A								
Recording rate 1	SEC	5(ADN) 6(ARC)	5(ADN) 5(GVR)								
Recording rate 2	SEC	10 (Sonic)	10 (Sonic)								
Filtering GR		3 pts	3 pts								
Filtering density		3 pts	3 pts								
Filtering Neutron		3 pts	3 pts								
Company representative		P Dane	S DeFreitas								
Anadrill personnel		M Sihite	D Perkins	W Chehabi							

Variable Name	Variable Description	Run Name & Value			
	Run Number		2		3
	General Information				
BHT_RM	Bottom Hole Temperature (RM)	DEGC	59.000	79	220
BSAL_RM	Mud Salinity (RM)	PPK	51.307	57	368
BS_RM	Bit Size (RM)	IN	12.250	12	250
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)	----	XPLOT		XPLOT
MST_RM	Mud Sample temperature (RM)	DEGC	21.800	21	800
MW_RM	Mud Weight (RM)	LB/G	9.500	9	500
OBMF_RM	Oil Based Mud (RM)	----	NO		NO
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	0.125	0	093
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	10.000	10	000
TD_RM	Total Measured Depth (RM)	M	1454.000	2183	000
TWS_RM	Temperature of Connate Water (RM)	DEGC	23.889	23	889
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	8.592		
A14A	ARC Air Cal Attenuation From T1 at 400 KHz	DB	8.581		
A22A	ARC Air Cal Attenuation From T2 at 2 MHz	DB	6.118		
A24A	ARC Air Cal Attenuation From T2 at 400 KHz	DB	6.135		
A32A	ARC Air Cal Attenuation From T3 at 2 MHz	DB	5.287		
A34A	ARC Air Cal Attenuation From T3 at 400 KHz	DB	5.274		
A42A	ARC Air Cal Attenuation From T4 at 2 MHz	DB	4.066		
A44A	ARC Air Cal Attenuation From T4 at 400 KHz	DB	4.080		
A52A	ARC Air Cal Attenuation From T5 at 2 MHz	DB	3.872		
A54A	ARC Air Cal Attenuation From T5 at 400 KHz	DB	3.872		
ABNT	Abnormal Transmitter Indicator	----	No_Tx_Failed		
ADHS	ARC Down Hole Software Version	----	No_Tx_Failed		
AM2A	ARC Air Cal Amplitude Offset at 2 MHz	----	-50000.000		
ANISO_COMPUTE	Anisotropy Computation Option	----	YES		
APICG	ARC5 Gamma Ray Gain Factor	----	1.049		
APIG	ARC Gamma Ray API Gain Factor	----	-1.000		
ARC_DATA_FIX	ARC: Create A Corrected ARC Time Data File	----	NO		
ARC_DATA_LTB	ARC: Create An ARC LTB Data File	----	NO		
ATMP_ARC	ARC Select Temperature Channel	----	Annulus_Temp		
ATRN	ARC Tool Run Number	----	2		3
ATSN	ARC Tool Serial Number	----	1056		
AZMF	Formation DIP Azimuth	DEG	0.000		
BH_COMPUTE	Borehole Inversion Computation Option	----	YES		
CALG	ARC Gamma Ray Cal Gain Factor	----	1.049		
CALI_SLCT_ARC	ARC Caliper Selection	----	BITSIZE		
CDPTH_ARC	Process Start Depth	M	30.480		
DIELEC_COMPUTE	Dielectric Computation Option	----	YES		
DIPF	Formation DIP Angle	DEG	0.000		
ERRCT	Percentage Error Cutoff	----	4.500		
GRSH	GR Shale (Invasion Computation Cutoff)	GAPI	1000.000		
HIGH_BLEND	High Resistivity Threshold for Blending	OHMM	2.000		
INCLIN_B0	ARC Bias Constant (mg)	----	0.000		
INCLIN_B1	ARC Bias First-order Coefficient (mg/degC)	----	0.000		
INCLIN_B2	ARC Bias Secod-order Coeeficient (mg/degC)	----	0.000		
INCLIN_B3	ARC Bias Third-order Coeeficient (mg/degC)	----	0.000		
INCLIN_C0	ARC Current Scale Factor Constant (mA/g)	----	1.000		
INCLIN_C1	ARC Scale First-order Coeeficient (mA/g/degC)	----	0.000		
INCLIN_C2	ARC Scale Second-order Coeeficient (mA/g/degC)	----	0.000		
INCLIN_C3	ARC Scale Third-order Coeeficient (mA/g/degC)	----	0.000		
INVAS_COMPUTE	Invasion Computation Option	----	YES		
JSD_ARC	ARC Acquisition start date	----	22-Nov-2008		
KPER	Potassium Concentration (RM)	----	3.661		3
LOW_BLEND	Low Resistivity Threshold for Blending	OHMM	1.000		766
MSWS	ARC Wizard Model Switch Window	M	1.524		
MULTIEFFECT_COM	Multi Effect Option	----	YES		
P11AC_RM	ARC: Air Calibration For Phase T1 to R1	DEG	-999.250		
P12A	ARC Air Cal Phase-Shift From T1 at 2 MHz	DEG	0.492		
P14A	ARC Air Cal Phase-Shift From T1 at 400 KHz	DEG	0.364		
P22A	ARC Air Cal Phase-Shift From T2 at 2 MHz	DEG	-0.431		
P24A	ARC Air Cal Phase-Shift From T2 at 400 KHz	DEG	-0.376		
P32A	ARC Air Cal Phase-Shift From T3 at 2 MHz	DEG	0.397		
P34A	ARC Air Cal Phase-Shift From T3 at 400 KHz	DEG	0.378		
P42A	ARC Air Cal Phase-Shift From T4 at 2 MHz	DEG	-0.536		
P44A	ARC Air Cal Phase-Shift From T4 at 400 KHz	DEG	-0.402		
P52A	ARC Air Cal Phase-Shift From T5 at 2 MHz	DEG	0.380		
P54A	ARC Air Cal Phase-Shift From T5 at 400 KHz	DEG	0.343		

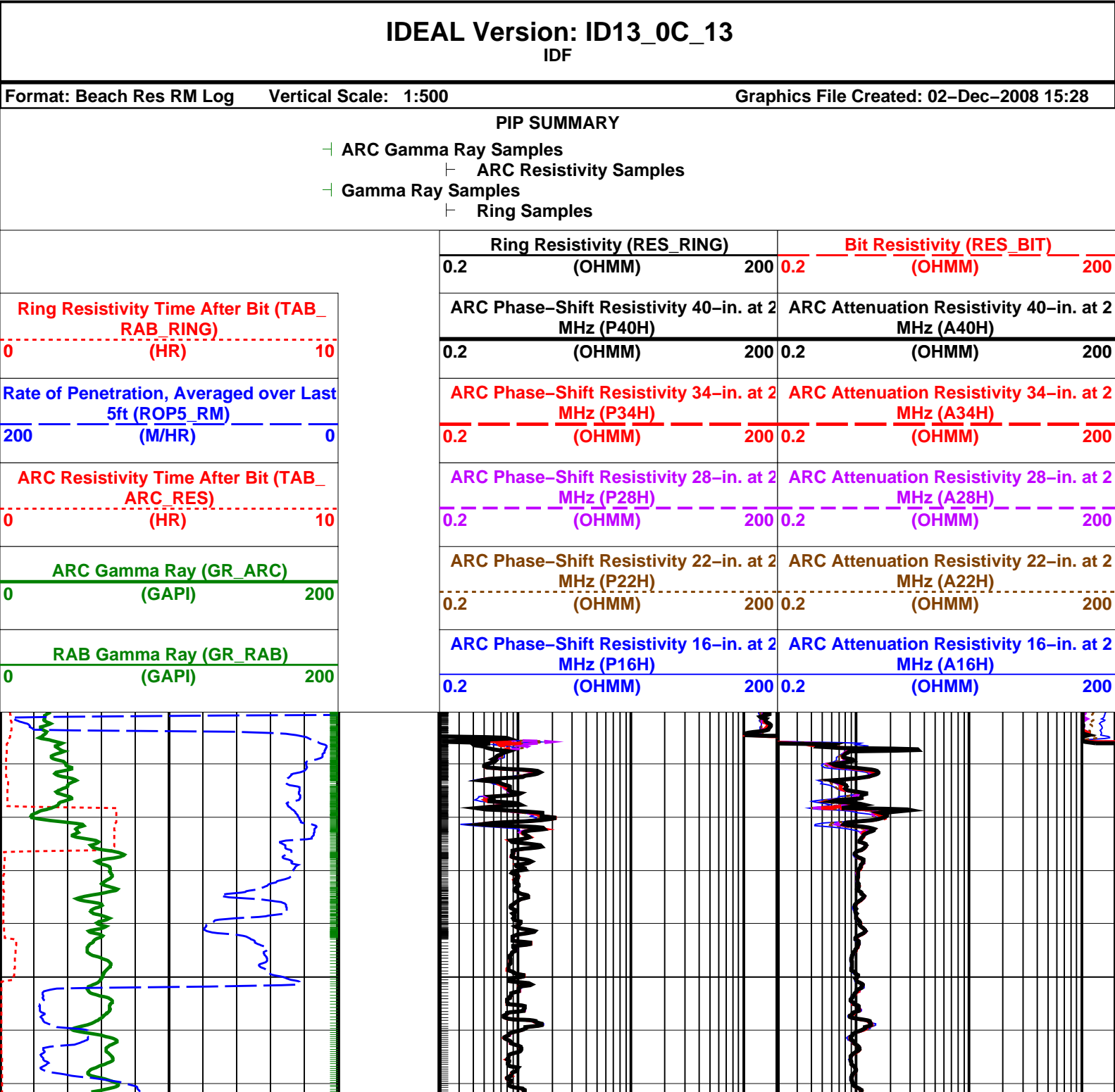
POFFSET_ARC	ARC: Pressure Offset	PSI	0.000		
PRTD	Preferred Resistivity Log for Rt Display while Multi-Effects	----	P34B		
PSOF_ADJ_T1	ARC: User Input Phase offset	DEG	0.000		
RESTIK	ARC resistivity tick source	----	Phase		
RSD	LWD run start date dd-mmm-yy	----	22-Nov-2008	24-Nov-2008	
RWA_COMP_MOD	Rwa computation model	----	BASIC		BASIC
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	----	RT		RT
SHIG	ARC High Shock Risk Level	CPS	0.500		
SMED	ARC Medium Shock Risk Level	CPS	0.330		
SMIN	ARC Minimum Shock Risk Level	CPS	0.160		
SUPD	ARC Real Time Shock Update Rate	S	30.000		
TCODE_ARC	ARC Tool File Code	S	30.000		
TSIZ_ARC	ARC Tool Size	IN	8.250		
UNIFORM_COMPUTE	Uniform Rock Option	----	YES		
VERS_ARC	ARC Down hole software version Number	----	9.300		
WRK	to Report Potassium Concentration (RM)	----	K_by_Wgt_%	K_by_Wgt_%	
SAD					
ADN_CHASSIS_STR	Type String	Chassis	ADN		ADN
ADN_COLLAR_STR	Type String	Collar	ADN		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
ADN_STAB_STR	ADN Stabilizer Type String	----	NO		NO
ALPHA_COMPUTE_D	Perform Density Enhanced Vertical Resolution process ?	----	YES		YES
ALPHA_COMPUTE_N	Perform Neutron Enhanced Vertical Resolution process ?	----	NO		NO
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	0.014		0.641
DTIK_SEL	ADN: Density Tick Channel Name	----	LSAZ		LSAZ
DTMUD	Delta-T for Mud	US/F	200.000		200.000
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
FCD	Future Casing (Outer) Diameter	IN	9.625		9.625
GCSE	Generalized Caliper Selection	----	BS		BS
IDQT	Image Derived Quality Threshold	----	2.000		2.000
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	----	22-Nov-2008	24-Nov-2008	
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	12.000		12.000
STOH	ADN Density Top of Hole Sector (Left Boundary):	----	SECTOR_0		SECTOR_0
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	----	8.300		8.300
WSDI	Window Size of Dynamic Normalization Image	M	15.240		15.240
RAB					
RAB/BTN_SLV_SIZE/PARAMETE	IN -- RAB: Button Sleeve Diameter		7/8		11
RAB/STAB_SIZE/PARAMETER	RAB: Stabilizer Diameter		IN		12-12.25
BDBHCA	RAB: Button Deep Borehole A Factor	----			-0.035
BDBHCB	RAB: Button Deep Borehole B Factor	----			-0.020
BHA_COEF_VER	RAB: BHA Coef Generator Version	----			80012.000
BITBHCA	RAB: Bit A Borehole Factor	----			0.114
BITBHCB	RAB: Bit B Borehole Factor	----			-0.037
BIT_K_FACTOR	RAB: Bit K Factor	----			4.643
BMBHCA	RAB: Button Medium Borehole A Factor	----			0.006
BMBHCB	RAB: Button Medium Borehole B Factor	----			-0.021
BSBHCA	RAB: Button Shallow Borehole A Factor	----			-0.009
BSBHCB	RAB: Button Shallow Borehole B Factor	----			-0.037
BUT_KIMP_A	RAB: Button Impedance Coeff A	----			0.002
BUT_KIMP_B	RAB: Button Impedance Coeff B	----			0.000
DBUTTON_K_FACTO	RAB: Button Deep K factor	----			0.003
DHS_VERSION	RAB: DownHole Software Version	----			9.100
GR_BHC_TOOLSIZE	RAB: Gamma-Ray Borehole Coeff 1	----			8.250
HI_CSDEPTH_OUT	RAB: Allow Hi-Resolution CS_DEPTH Image Data Output	----			NO
HI_DLIS_OUT	RAB: Allow Hi-Resolution DLIS Image Data Output	----			NO
HI_RIVER_OUT	RAB: Allow Hi-Resolution River for Image Data Output	----			NO
IMAGE_MAX_GR	RAB: GR Image Maximum Scale Value	GAPI			120.000
IMAGE_MAX_RES	RAB: Image Maximum Resistivity Value	OHMM			100.000
IMAGE_MIN_GR	RAB: GR Image Minimum Scale Value	GAPI			20.000
IMAGE_MIN_RES	RAB: Image Minimum Resistivity Value	OHMM			1.000
JSD_RAB	RAB Acquisition start date	----			24-Nov-2008
MAG_DECL_RAB	RAB: Magnetic Declination		DEG		13.220
MAG_INCL_RAB	RAB: Magnetic Dip		DEG		-70.860
MBUTTON_K_FACTO	RAB: Button Medium K Factor				0.004

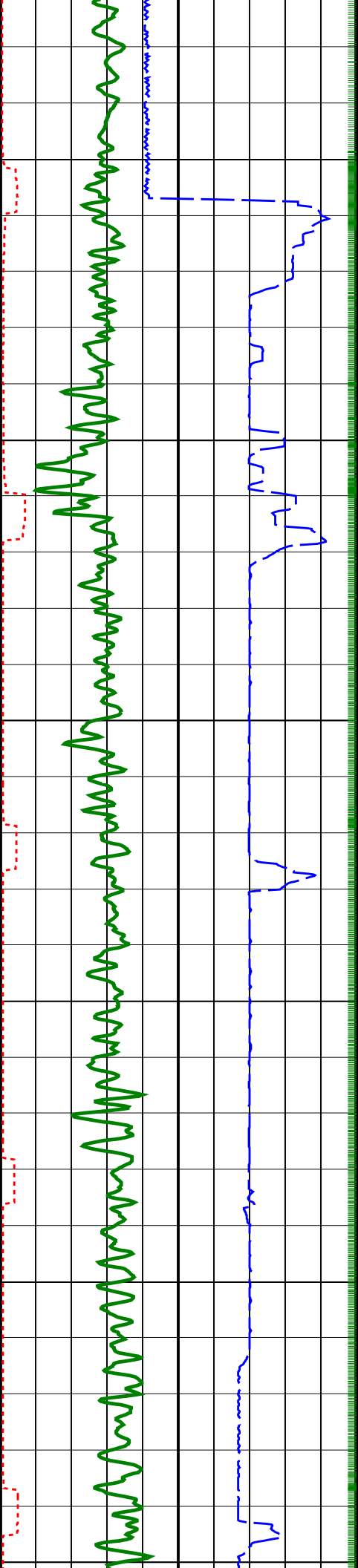
ORIENTATION_RM	RAB Image Orientation	----	NORTH
RABDDA0	RAB: Button Deep A0 Coeff	----	-0.102
RABDDA1	RAB: Button Deep A1 Coeff	----	0.090
RABDDA2	RAB: Button Deep A2 Coeff	----	-0.038
RABDDA3	RAB: Button Deep A3 Coeff	----	0.008
RABDDA4	RAB: Button Deep A4 Coeff	----	-0.001
RABDDA5	RAB: Button Deep A5 Coeff	----	0.000
RABDDMIN	RAB: Button Deep Minimum Value	----	0.038
RABBITA0	RAB: Bit A0 Coeff	----	0.767
RABBITA1	RAB: Bit A1 Coeff	----	-1.026
RABBITA2	RAB: Bit A2 Coeff	----	0.867
RABBITA3	RAB: Bit A3 Coeff	----	-0.361
RABBITA4	RAB: Bit A4 Coeff	----	0.072
RABBITA5	RAB: Bit A5 Coeff	----	-0.005
RABBITMIN	RAB: Bit Minimum Value	----	21.702
RABDMA0	RAB: Button Medium A0 Coeff	----	-0.103
RABDMA1	RAB: Button Medium A1 Coeff	----	0.088
RABDMA2	RAB: Button Medium A2 Coeff	----	-0.036
RABDMA3	RAB: Button Medium A3 Coeff	----	0.007
RABDMA4	RAB: Button Medium A4 Coeff	----	-0.001
RABDMA5	RAB: Button Medium A5 Coeff	----	0.000
RABDMIN	RAB: Button Medium Minimum Value	----	0.041
RABBSA0	RAB: Button Shallow A0 Coeff	----	-0.113
RABBSA1	RAB: Button Shallow A1 Coeff	----	0.094
RABBSA2	RAB: Button Shallow A2 Coeff	----	-0.038
RABBSA3	RAB: Button Shallow A3 Coeff	----	0.007
RABBSA4	RAB: Button Shallow A4 Coeff	----	-0.001
RABBSA5	RAB: Button Shallow A5 Coeff	----	0.000
RABBSMIN	RAB: Button Shallow Minimum Value	----	0.055
RABDHS	RAB Down Hole Software	----	4.000
RABEC	RAB: Resistivity Env-Cor	----	YES
RABRNGA0	RAB: RING A0 Coeff	----	-0.095
RABRNGA1	RAB: RING A1 Coeff	----	0.084
RABRNGA2	RAB: RING A2 Coeff	----	-0.035
RABRNGA3	RAB: RING A3 Coeff	----	0.007
RABRNGA4	RAB: RING A4 Coeff	----	-0.001
RABRNGA5	RAB: RING A5 Coeff	----	0.000
RABRNGMIN	RAB: Ring Minimum Value	----	1.159
RAB_BIT_ECAL	Bit Resistivity for ECAL_RAB?	----	YES
RAB_BIT_INVERSI	Input Bit Resistivity for Inversion? (Recommended at the bit)	----	YES
RAB_CALIPER_CAL	Compute ECAL_RAB?	----	NO
RAB_DATA_FIX	RAB: Create A Corrected RAB Time Data File	----	NO
RAB_DATA_LTB	RAB: Create An RAB LTB Data File	----	NO
RAB_DEEPBTN_ECA	Deep Button Resistivity for ECAL_RAB?	----	YES
RAB_DEEPBTN_INV	Input Deep Button Resistivity for Inversion?	----	YES
RAB_INVERSION	Perform Rt Inversion?	----	NO
RAB_INVERSION_B	RAB Bit Sensor Weight for Inversion[0,1]	----	1.000
RAB_INVERSION_B	Ending Depth for GR Cutoff in Zone1 (default through the whole well)	M	30480.000
RAB_INVERSION_B	Ending Depth of Zone10	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone2	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone3	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone4	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone5	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone6	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone7	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone8	M	-304.571
RAB_INVERSION_B	Ending Depth of Zone9	M	-304.571
RAB_INVERSION_C	Continuity Multiplier[0,1]	----	0.500
RAB_INVERSION_D	RAB Deep Button Sensor Weight for Inversion[0,1]	----	1.000
RAB_INVERSION_D	RAB inversion for Dh?	----	YES
RAB_INVERSION_D	RAB inversion for Di?	----	YES
RAB_INVERSION_G	GR Cutoff for Shale Formation	----	75.000
RAB_INVERSION_G	GR Cutoff for Shale Formation in Zone1(default through the whole well)	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone10	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone2	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone3	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone4	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone5	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone6	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone7	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone8	GAPI	75.000
RAB_INVERSION_G	GR Cutoff in Zone9	GAPI	75.000
RAB_INVERSION_M	RAB Medium Button Sensor Weight for Inversion[0,1]	----	1.000
RAB_INVERSION_R	Resistivity Cutoff for Shale Formation	OHMM	2.000
RAB_INVERSION_R	Resistive Invasion Allowed	----	NO
RAB_INVERSION_R	RAB Ring Sensor Weight for Inversion[0,1]	----	1.000
RAB_INVERSION_R	RAB inversion for Rmud?	----	NO
RAB_INVERSION_R	RAB inversion for Rt?	----	YES
RAB_INVERSION_R	Rt to R-deepest separation penalty multiplier[0,1]	----	0.500
RAB_INVERSION_R	RAB inversion for Rxo?	----	YES
RAB_INVERSION_S	GR of Clean Sand Formation	----	-999.250
RAB_INVERSION_S	GR of Shale Formation	----	-999.250
RAB_INVERSION_S	RAB Shallow Button Sensor Weight for Inversion[0,1]	----	1.000
RAB_INVERSION_T	Inversion Threshold[0, 0.3]	----	0.010
RAB_INVERSION_W	Formation Water Resistivity	OHMM	0.100
RAB_INVERSION_W	Formation Water Temperature	----	150.000
RAB_MEDIUMBTN_E	Medium Button Resistivity for ECAL_RAB?	----	YES
RAB_MEDIUMBTN_I	Input Medium Button Resistivity for Inversion?	----	YES
RAB_QUAD	RAB: Process Quadrant data ?	----	YES
RAB_RIGMODE_ECA	Bit on Bottom?	----	YES
RAB_RING_ECAL	Ring Resistivity for ECAL_RAB?	----	YES
RAB_RING_INVER	Input RING Resistivity for Inversion?	----	YES
RAB_SHALLOWBTN	Shallow Button Resistivity for ECAL_RAB?	----	YES
RAB_SHALLOWBTN	Input Shallow Button Resistivity for Inversion?	----	YES

RAB_TAB	RAB: Compute TAB ?	----	YES
RAB_TECHLOG	RAB: Generate Techlog ?	----	YES
RAB_TEMP_SELECT	RAB: Temperature Selection	----	MEASURED
RAB_TICKS	RAB: Generate Ticks ?	----	YES
READOUT_PORT_MP	RAB: ROP to Bit Face Distance	M	2.777
RINGBHCA	RAB: Ring Borehole A Factor	----	0.299
RINGBHCB	RAB: Ring Borehole B Factor	----	-0.117
RING_KIMP_A	RAB: Ring Impedance Coeff A	----	0.000
RING_KIMP_B	RAB: Ring Impedance Coeff B	----	0.000
RING_K_FACTOR	RAB: Ring K Factor	----	0.107
SBUTTON_K_FACTO	RAB: Button Shallow K Factor	----	0.005
SCALE_IMAGES	RAB: Process Image Data	----	YES
STAB	RAB: Run with Stabilizer	----	YES
TFF_OFFSET_RAB	RAB Time-Frame File Time Offset	S	0.000
TIMEFRAME_FILE_	RAB: Time Frame File Name	S	0.000
TOOLTYPE	RAB: Azimuthal Tool	----	YES
TS_VERSION	RAB: ToolScope Software Version	----	0.000
VRAB6	Rab Tool type (ENP/PILOT)	----	RAB8 ENP
WIN_SIZE_DYN_IM	RAB: Window Size for Scaling Dynamic Image	M	0.914

Schlumberger Drilling & Measurements

ID13 Parameter Insert Header Software version 3.0c

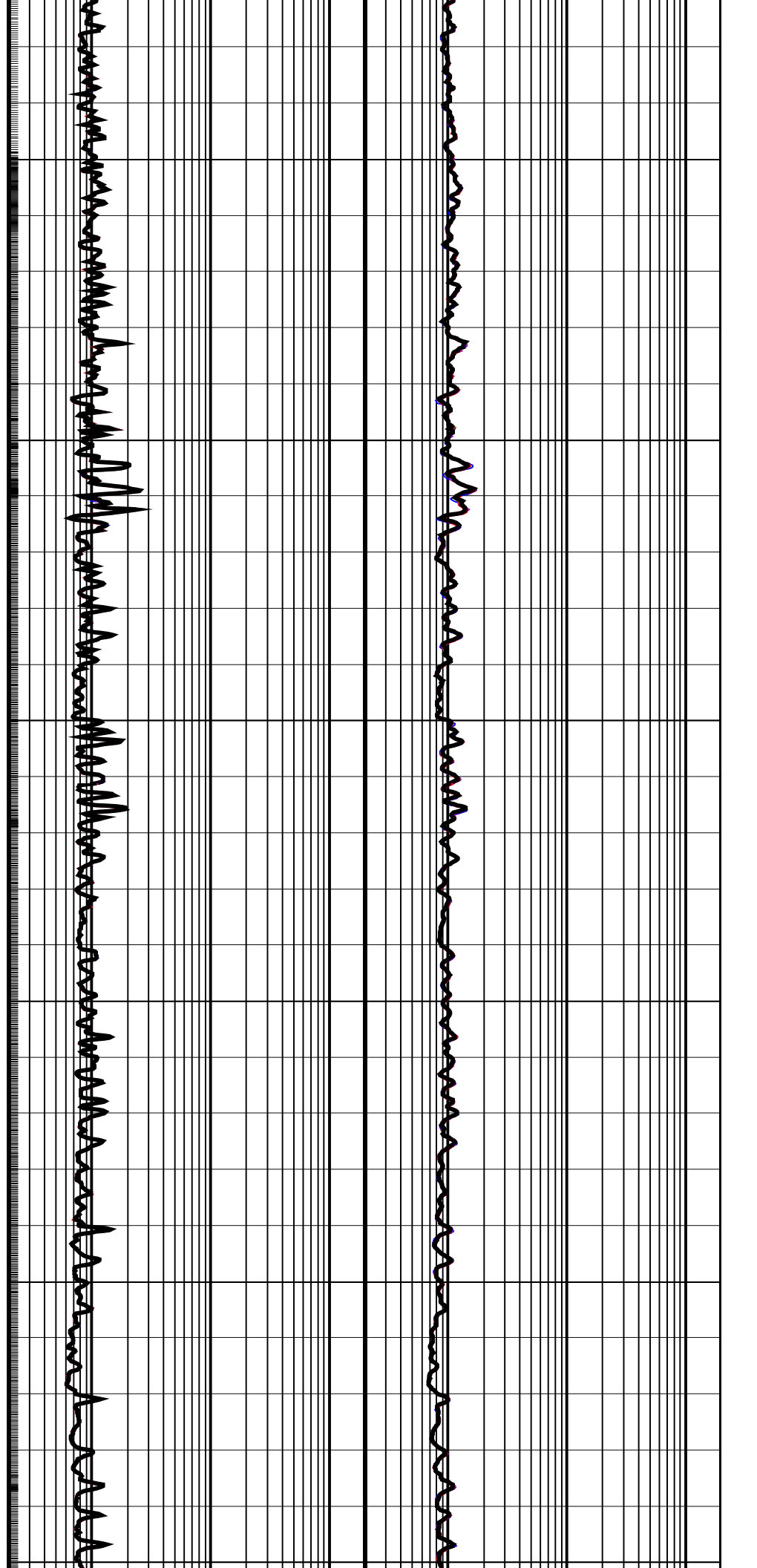




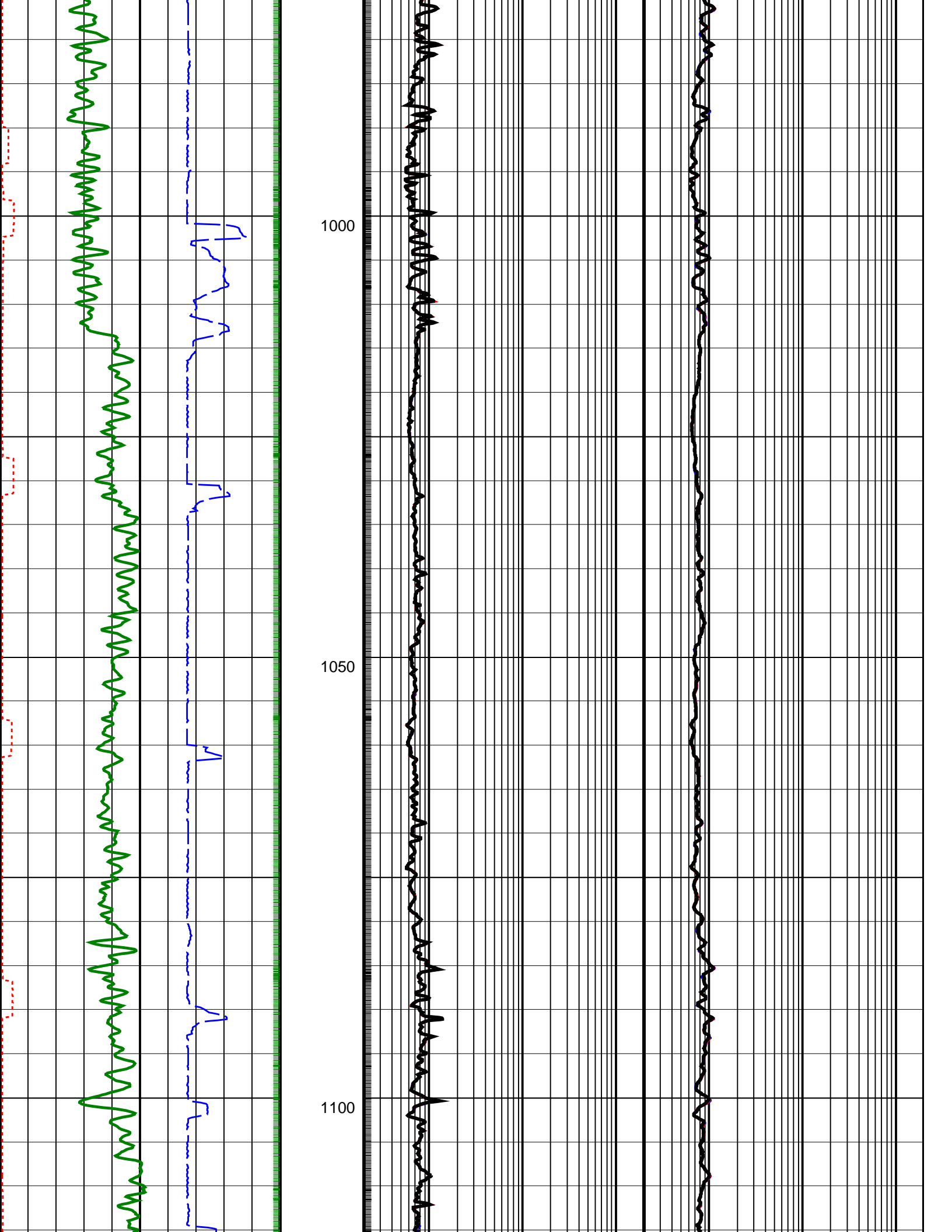
850

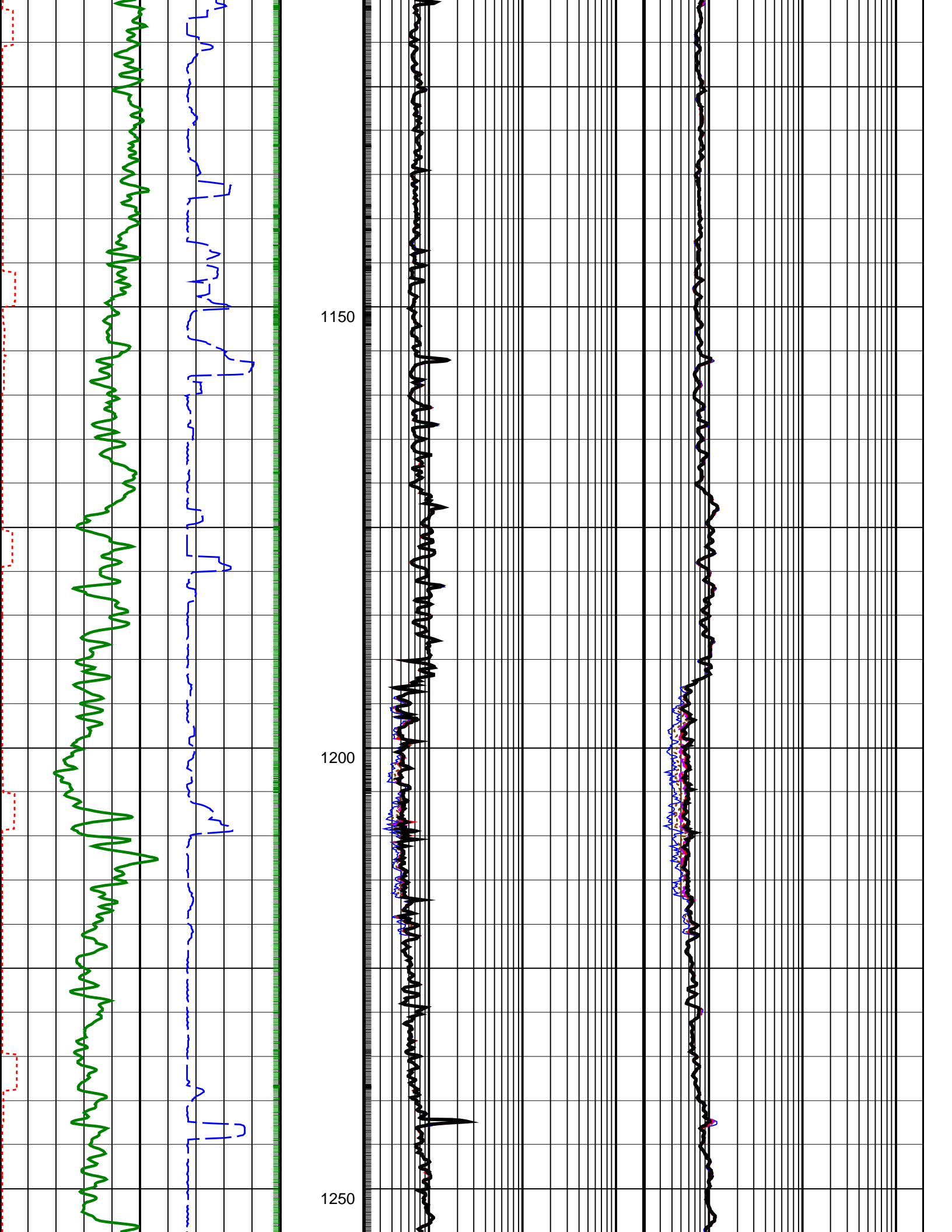
900

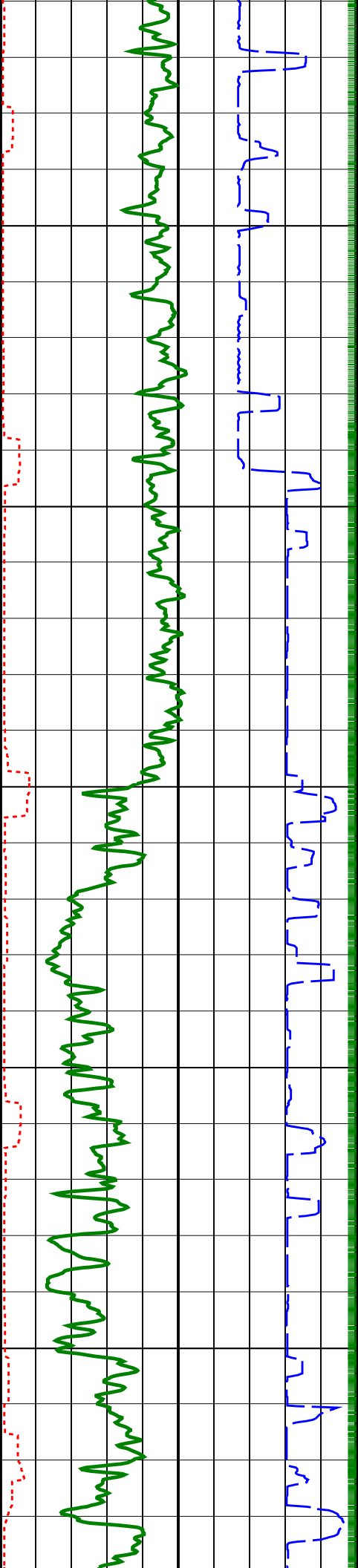
950





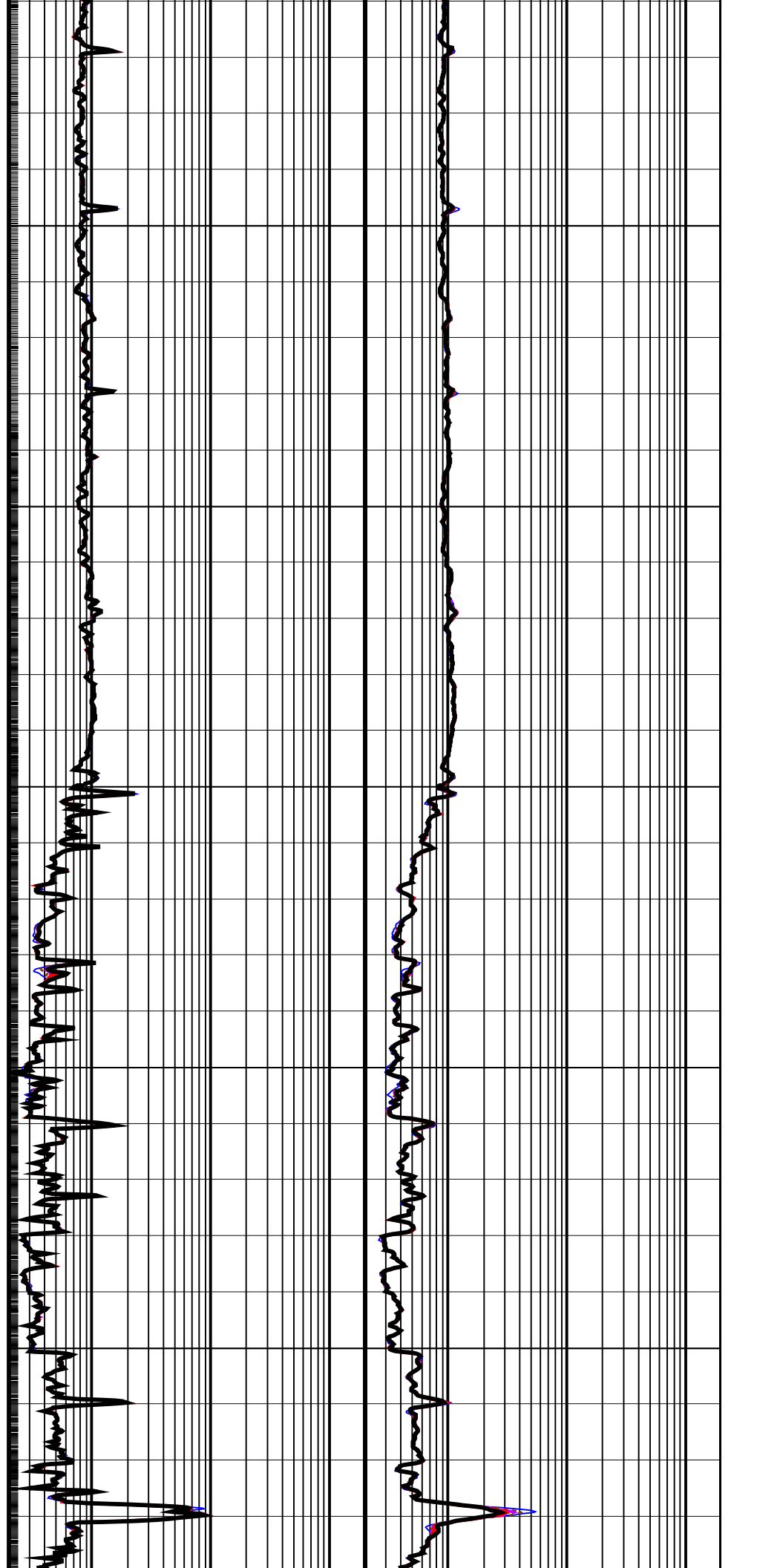


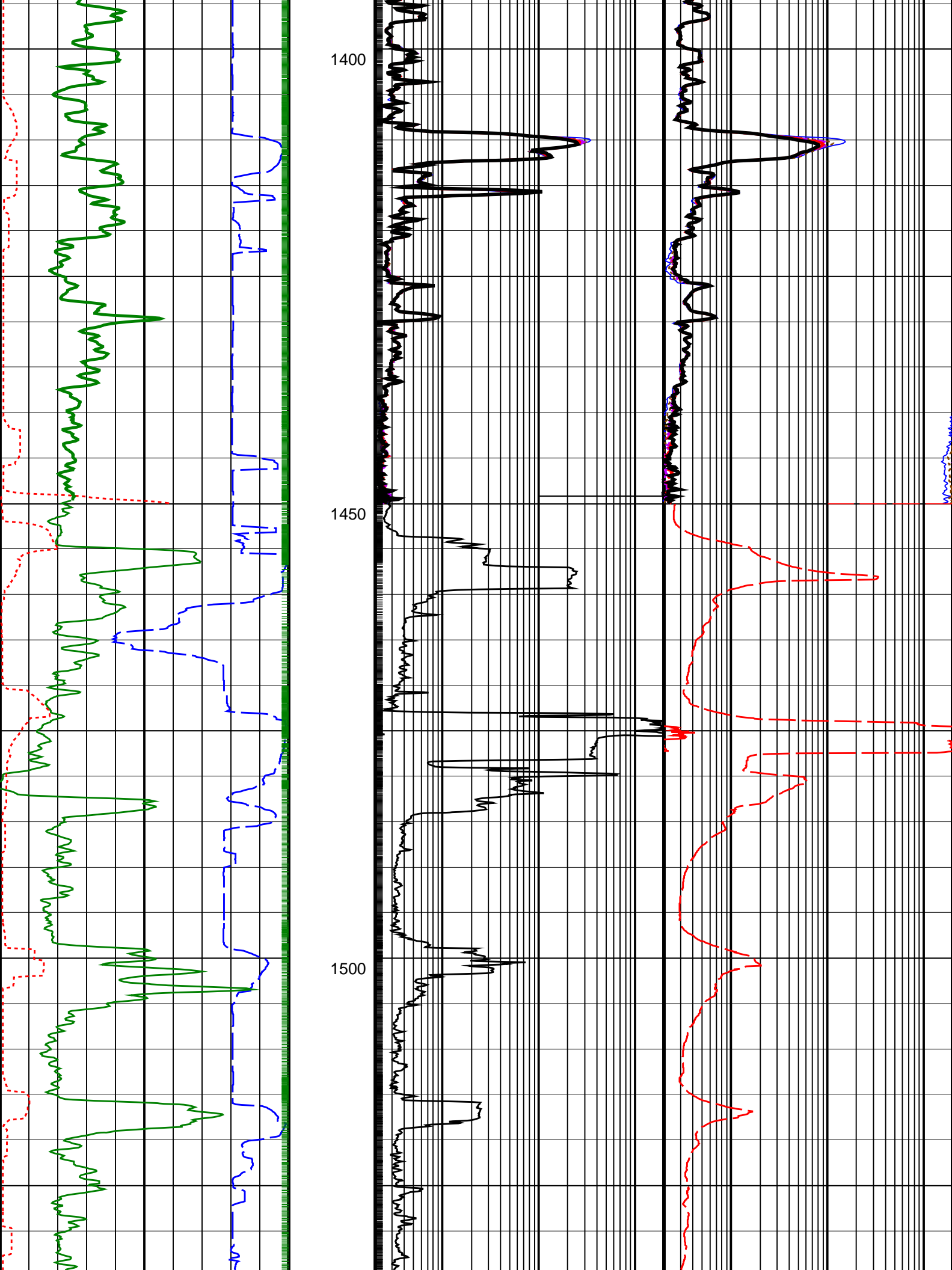


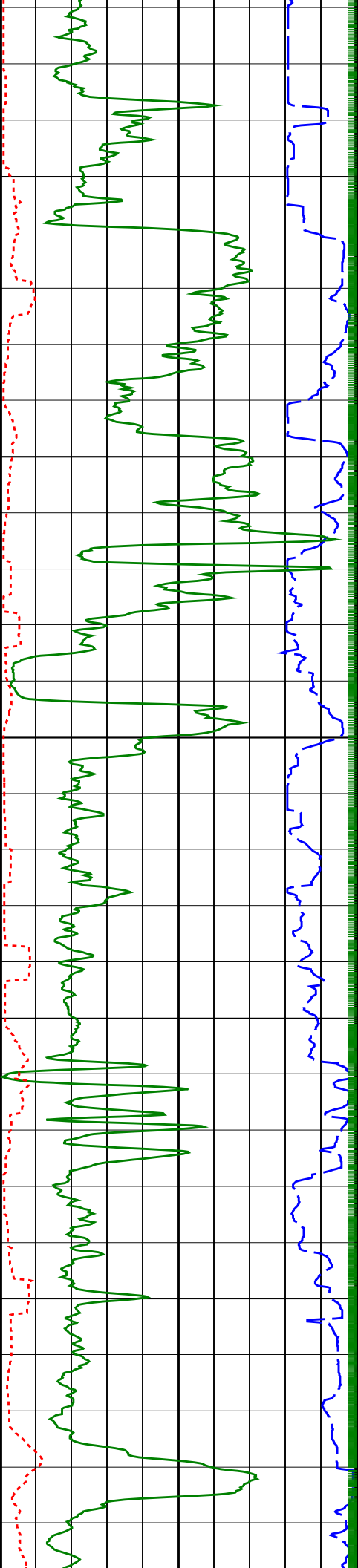


1300

1350



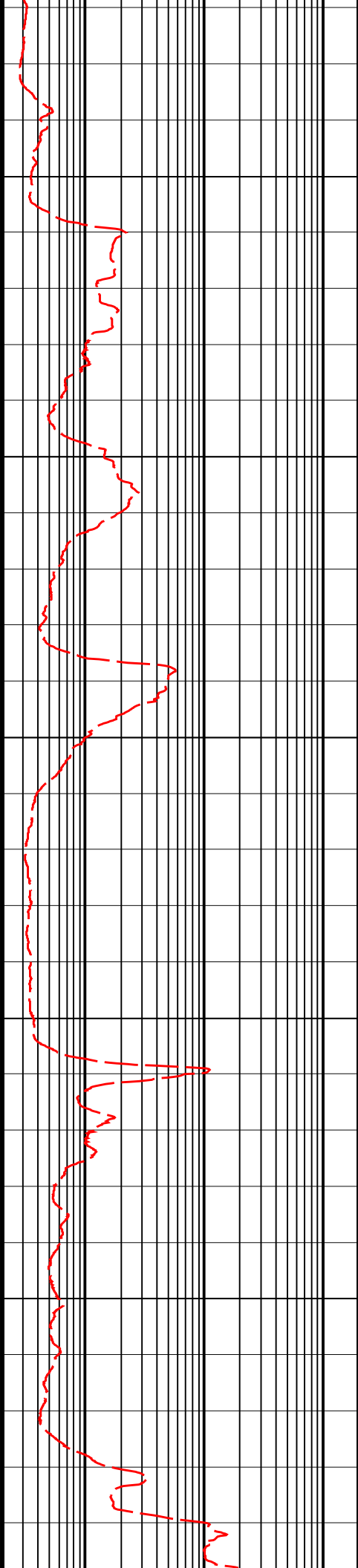
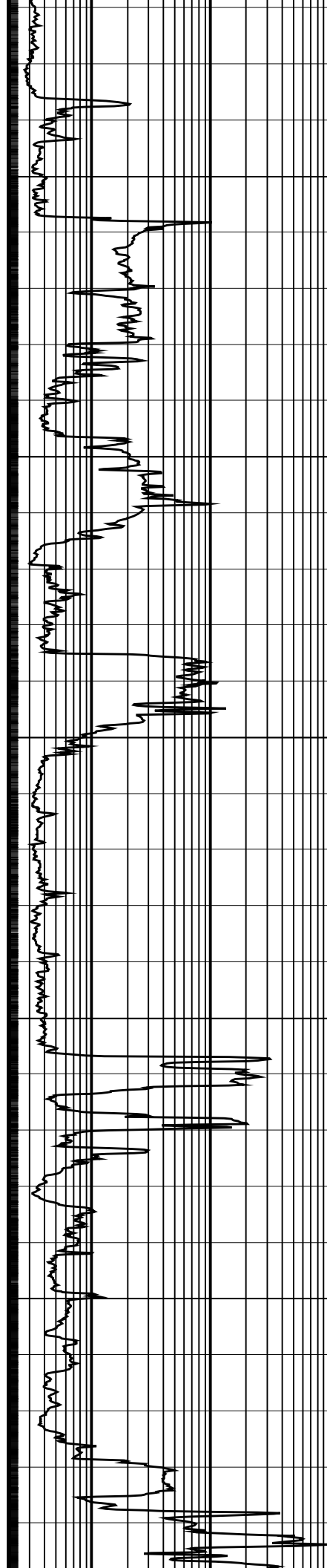


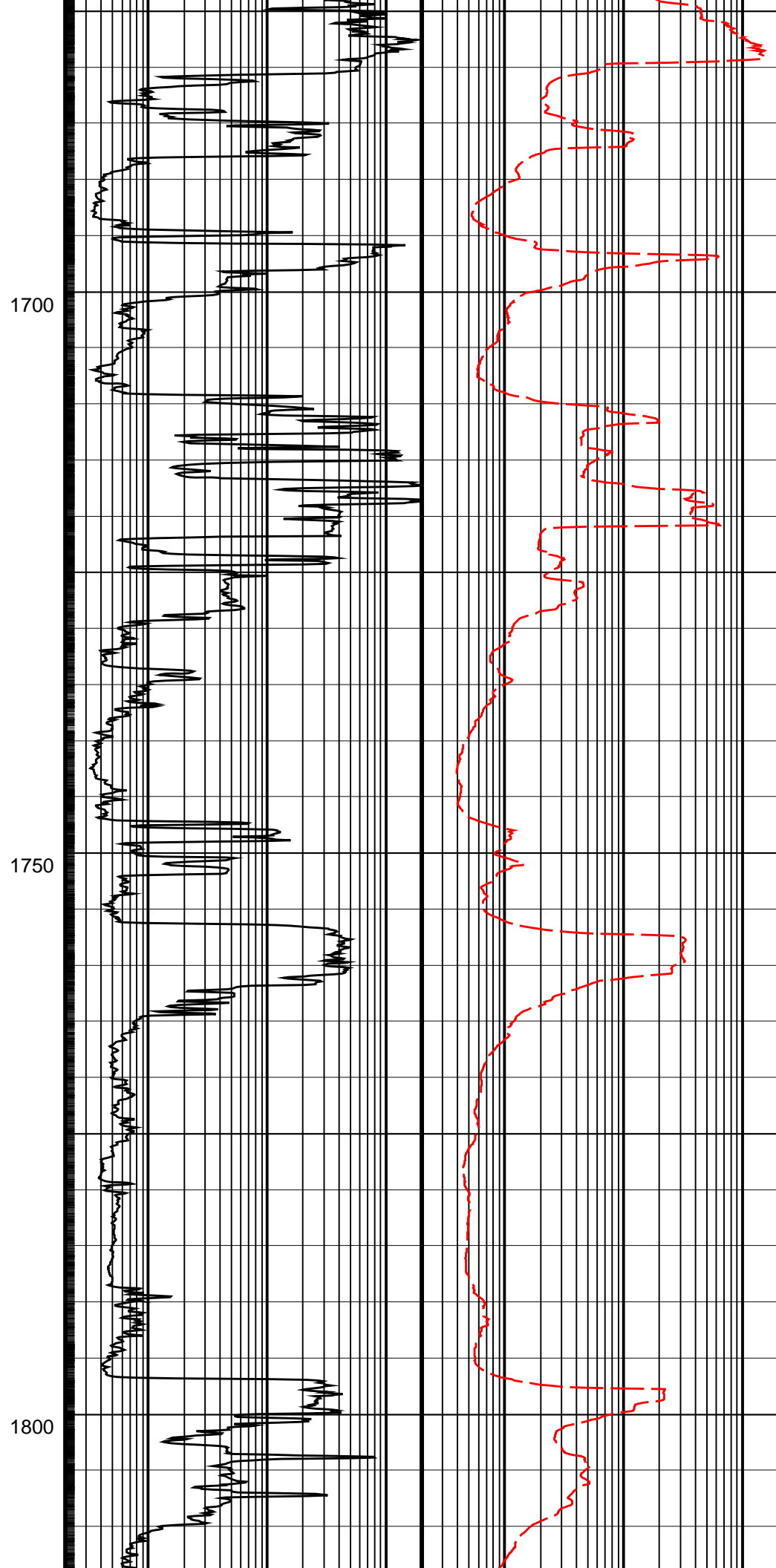
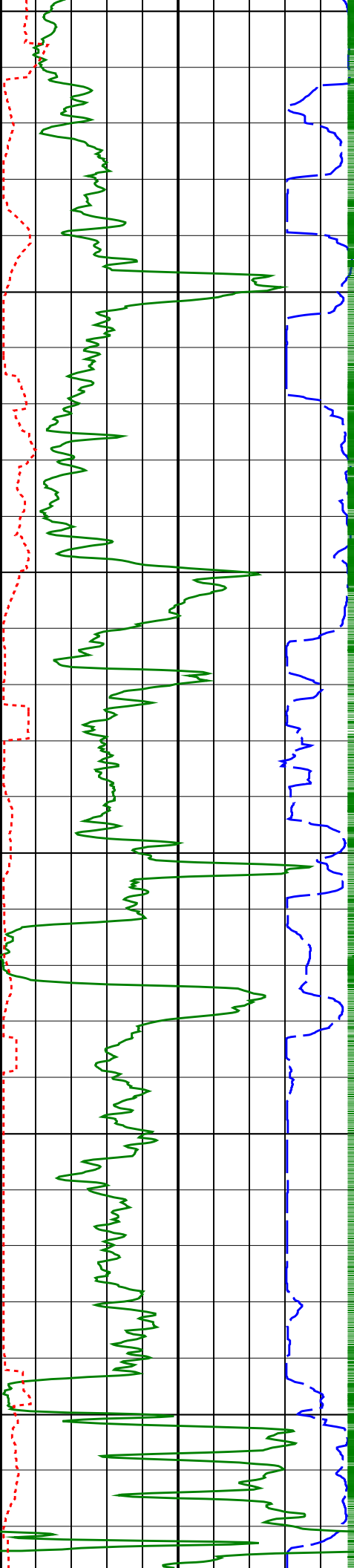


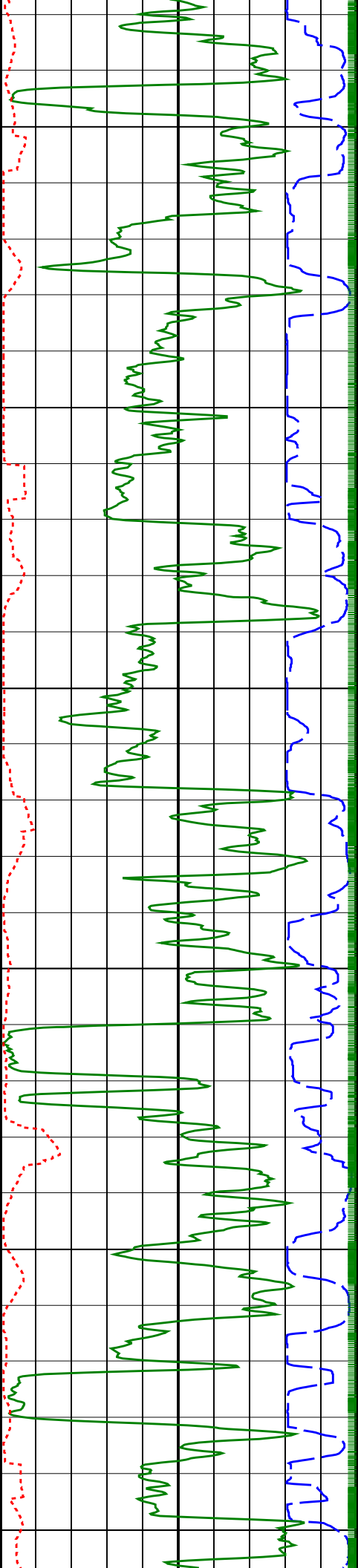
1550

1600

1650



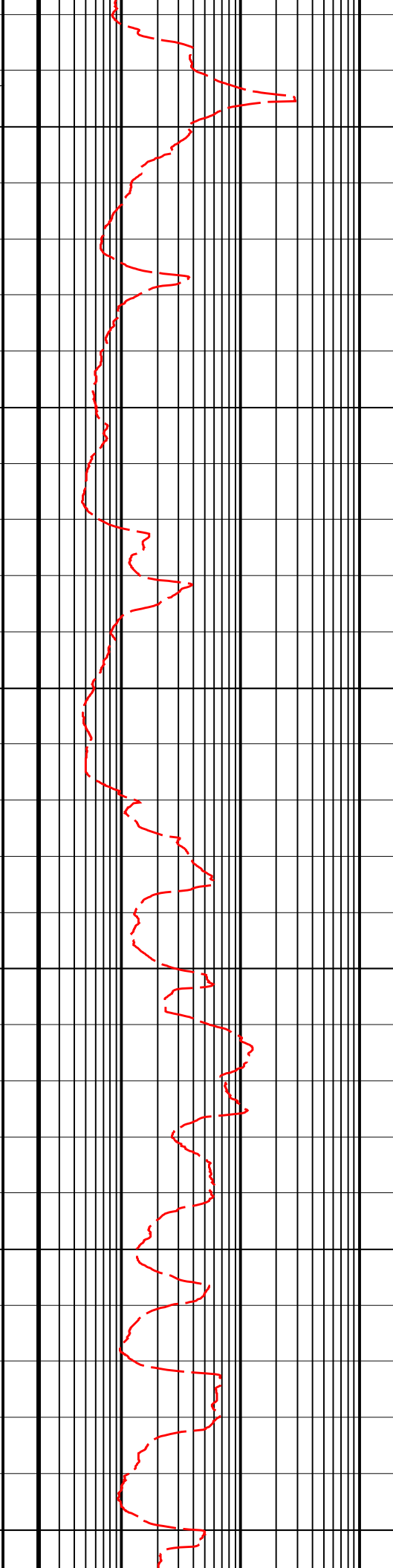
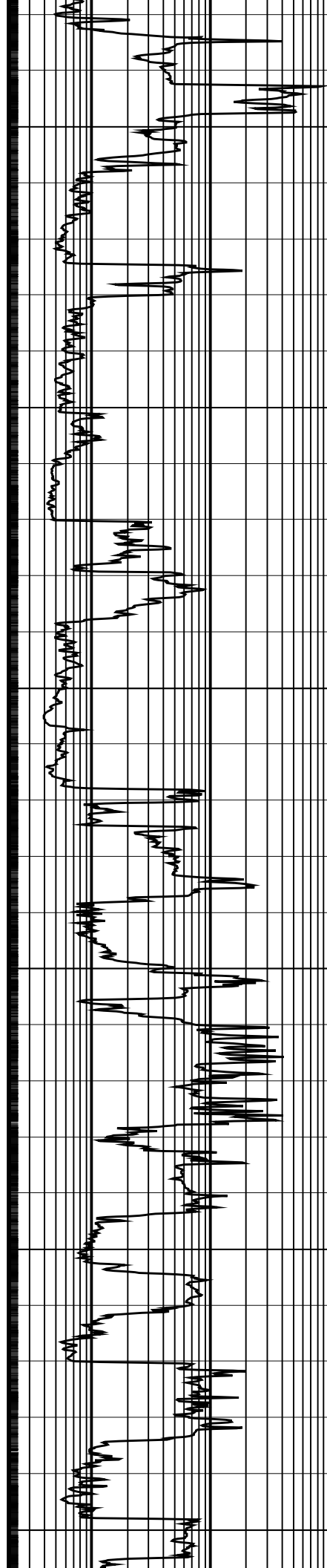


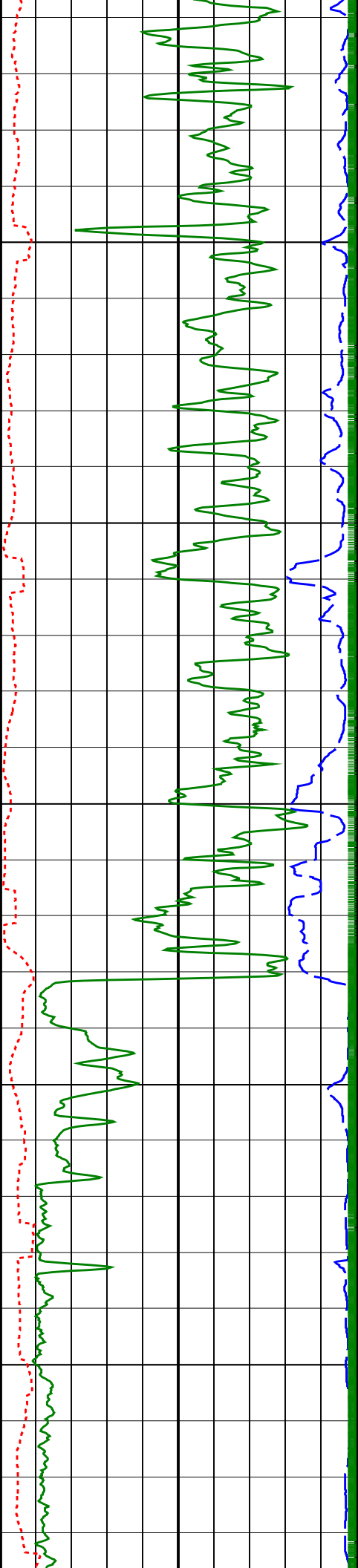


1850

1900

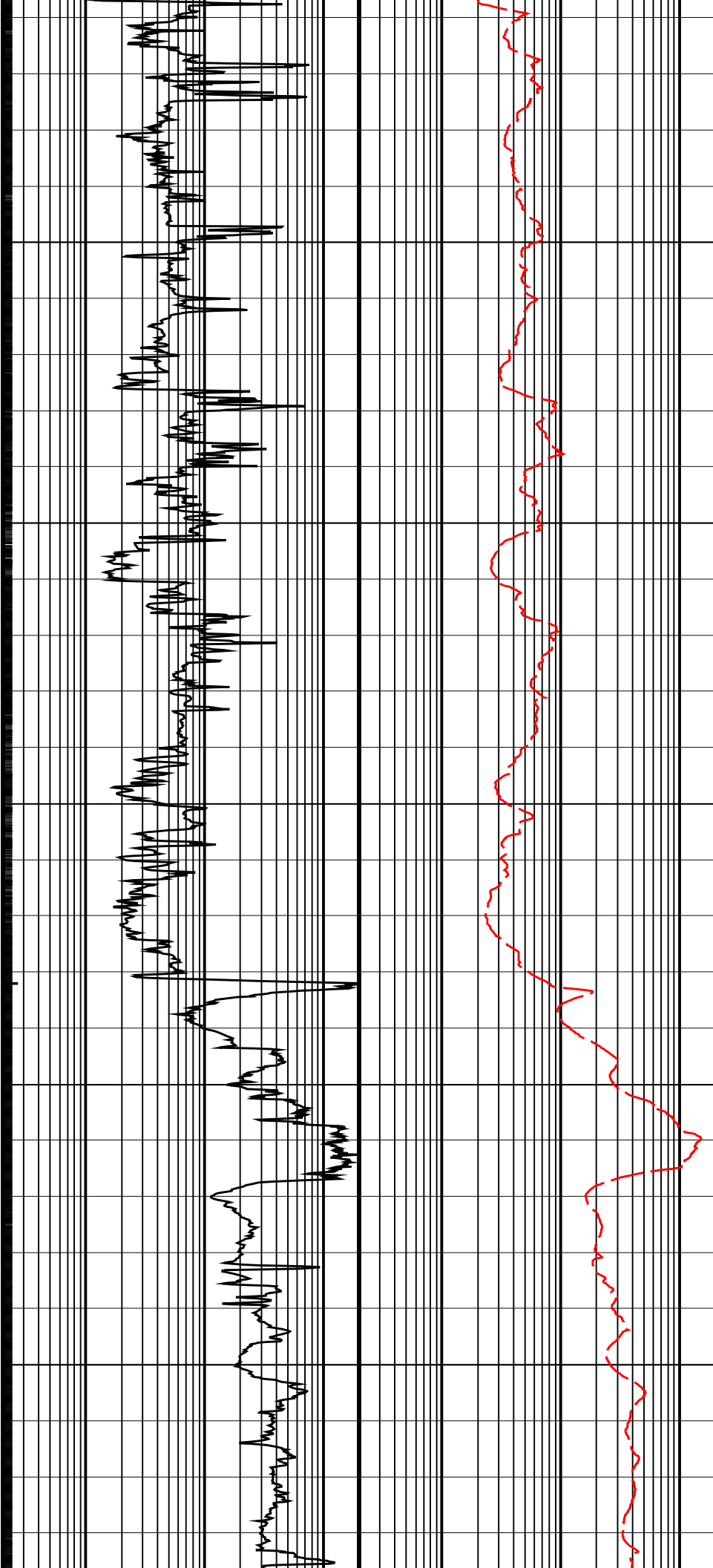
1950



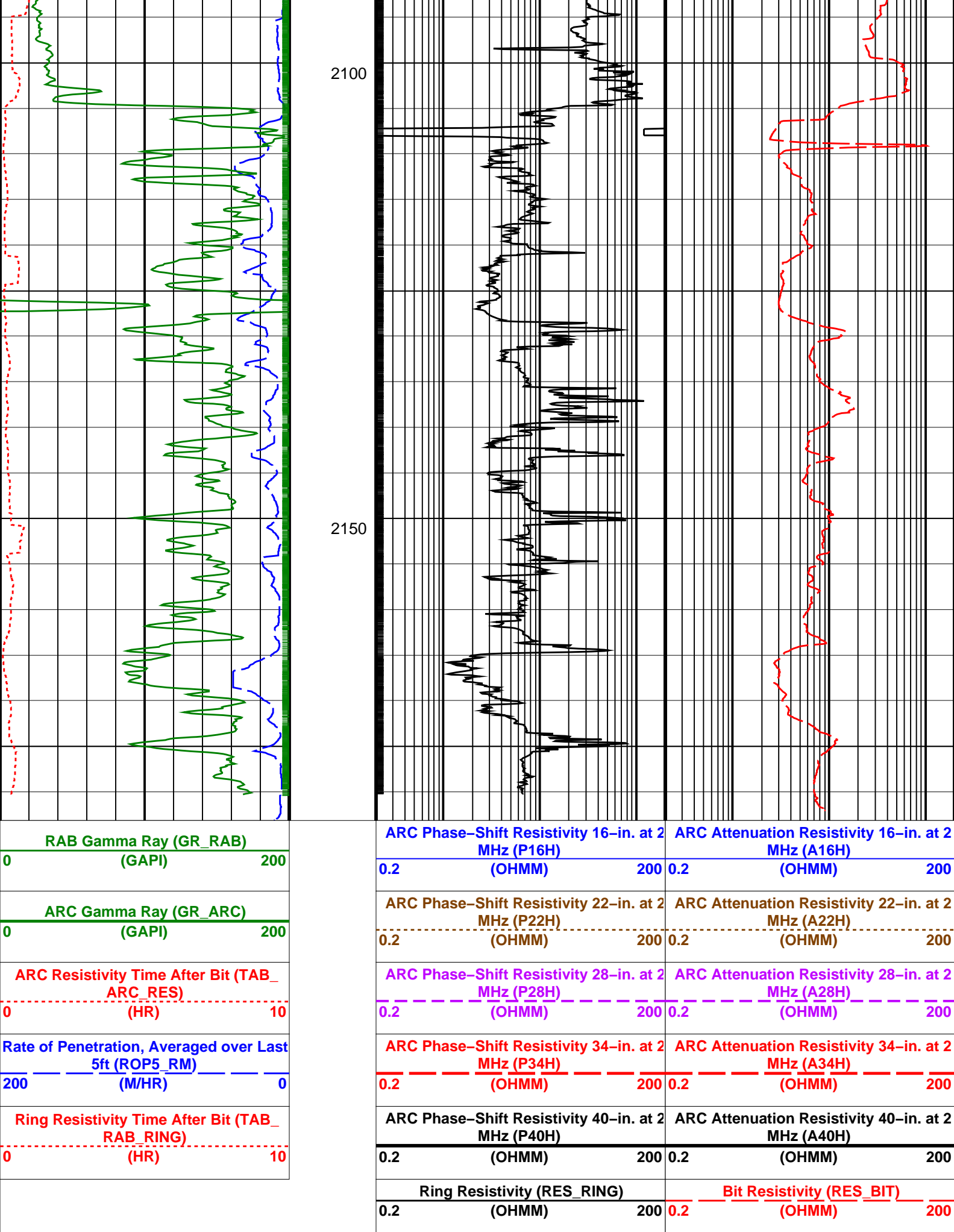


2000

2050







PIP SUMMARY

— ARC Gamma Ray Samples

- └ Gamma Ray Samples
- └ ARC Resistivity Samples
- └ Ring Samples

## IDEAL Version: ID13\_0C\_13

### IDF

Primary Equipment:  
Tool Name and Serial Number  
Collar Type and Serial Number  
Chassis Type and Serial Number  
Stabilizer Type and Serial Number  
Neutron Logging Source  
Density Logging Source  
Stabilizer Size  
Calibration Status

#### 8.25-in. Stabilized Azimuthal Density Neutron / Equipment Identification

SADN - AA  
NDDC - CA  
ADSE - GA  
ISS  
NSR - C956  
GSR - ZA2089  
12.0 in.  
AUTO-


Master: 7-Nov-2008 1:18									
8.25-in. Stabilized Azimuthal Density Neutron Calibration									
Density: Magnesium Block									
Phase	LS window 3 - Mg CPS			Value	Phase	SS window 1 - Mg CPS			Value
Master				991.6	Master				4832
	40.00 (Minimum)	700.0 (Nominal)	1400 (Maximum)			300.0 (Minimum)	3620 (Nominal)	7000 (Maximum)	











Master: 7-Nov-2008 1:18									
8.25-in. Stabilized Azimuthal Density Neutron Calibration									
Density: Aluminum Block									
Phase	LS window 3 - Al CPS			Value	Phase	SS window 1 - Al CPS			Value
Master				159.7	Master				2280
	10.00 (Minimum)	110.0 (Nominal)	200.0 (Maximum)			200.0 (Minimum)	1650 (Nominal)	3000 (Maximum)	

Master: 7-Nov-2008 1:18									
8.25-in. Stabilized Azimuthal Density Neutron Calibration									
Density: Background									
Phase	LS window 3 - Background CPS			Value	Phase	SS window 1 - Background CPS			Value
Master				71.36	Master				102.3
	17.00 (Minimum)	90.00 (Nominal)	170.0 (Maximum)			20.00 (Minimum)	120.0 (Nominal)	200.0 (Maximum)	

Master: 7-Nov-2008 1:18									
8.25-in. Stabilized 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				1.062	Master				1.363
	1.047 (Minimum)	1.062 (Nominal)	1.077 (Maximum)			1.336 (Minimum)	1.393 (Nominal)	1.450 (Maximum)	


Master: 7-Nov-2008 1:18									
8.25-in. Stabilized 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
Master				151.8	Master				53.91
	100.0 (Minimum)	152.1 (Nominal)	190.0 (Maximum)			35.00 (Minimum)	55.33 (Nominal)	69.00 (Maximum)	
Phase	Far Tube 2 Air Point Measure CPS			Value	Phase	Far Tube 2 Rod Point Measure CPS			Value
Master				149.1	Master				54.76
	100.0 (Minimum)	152.1 (Nominal)	190.0 (Maximum)			35.00 (Minimum)	55.33 (Nominal)	69.00 (Maximum)	
Phase	Far Tube 3 Air Point Measure CPS			Value	Phase	Far Tube 3 Rod Point Measure CPS			Value
Master				142.6	Master				53.08
	100.0 (Minimum)	152.1 (Nominal)	190.0 (Maximum)			35.00 (Minimum)	55.33 (Nominal)	69.00 (Maximum)	
Phase	Near Tube 1 Air Point Measure CPS			Value	Phase	Near Tube 1 Rod Point Measure CPS			Value
Master				152.1	Master				53.08
	100.0 (Minimum)	152.1 (Nominal)	190.0 (Maximum)			35.00 (Minimum)	55.33 (Nominal)	69.00 (Maximum)	
Phase	Near Tube 1 Water Point Measure CPS			Value	Phase	Near Tube 1 Water Point Measure CPS			Value
Master				19.80	Master				19.80
	13.00 (Minimum)	20.14 (Nominal)	25.00 (Maximum)			13.00 (Minimum)	20.14 (Nominal)	25.00 (Maximum)	

Master: 7-Nov-2008 1:18			
8.25-in. Stabilized Azimuthal Density Neutron Calibration			
Neutron: Water Block Check			
Phase	Far Neutron water porosity PU		Value
Master			103.8
	60.00 (Minimum)	100.0 (Nominal)	120.0 (Maximum)













Master: 11–Nov–2008 13:30																	
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				0.4924	Master				–0.4312	Master				0.3971			
–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				–0.5360	Master				0.3796	Master				0.3638			
–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				–0.3755	Master				0.3781	Master				–0.4024			
–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				0.3431													
–3.900 (Minimum)				0.1000 (Nominal)	4.100 (Maximum)												


Phase	Attenuation T5 at 400KHz	Value
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Phase	Attenuation T1 at 100kHz	Value
Master		3.872
	1.600 (Minimum) 3.600 (Nominal) 5.600 (Maximum)	

Master: 11-Nov-2008 14:05		
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		7.556
	4.960 (Minimum) 7.200 (Nominal) 9.650 (Maximum)	

8.25-in. Resistivity At-the-Bit / Equipment Identification		
Primary Equipment:		
Tool Name and Serial Number	RAB8 - AA	859
Calibration Status	AUTO-	

Master: 13--Nov--2008 16:50																										
8.25--in. Resistivity At--the--Bit Calibration																										
Resistivity: Fixture																										
Phase	Ring/T1 factor ----			Value	Phase	Ring/T2 factor ----			Value	Phase	M0/T1 factor ----			Value												
Master				0.01100	Master				0.01100	Master				1.050												
0.009500 (Minimum)				0.01100 (Nominal)	0.01250 (Maximum)				0.009500 (Minimum)				0.01100 (Nominal)	0.01250 (Maximum)				0.9000 (Minimum)				1.050 (Nominal)	1.200 (Maximum)			
Phase	M0/T2 factor ----			Value	Phase	M2/T1 factor ----			Value	Phase	M2/T2 factor ----			Value												
Master				1.050	Master				0.9744	Master				0.9426												
0.9000 (Minimum)				1.050 (Nominal)	1.200 (Maximum)				0.8500 (Minimum)				1.000 (Nominal)	1.150 (Maximum)				0.8500 (Minimum)				1.000 (Nominal)	1.150 (Maximum)			
Phase	BTN shallow/T1 factor ----			Value	Phase	BTN shallow/T2 factor ----			Value	Phase	BTN medium/T1 factor ----			Value												
Master				0.0006700	Master				0.0006700	Master				0.0006700												
0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)				0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)				0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)			
Phase	BTN medium/T2 factor ----			Value	Phase	BTN deep/T1 factor ----			Value	Phase	BTN deep/T2 factor ----			Value												
Master				0.0006700	Master				0.0006700	Master				0.0006700												
0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)				0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)				0.0005700 (Minimum)				0.0006700 (Nominal)	0.0007700 (Maximum)			

Master: 13-Nov-2008 18:39			
8.25-in. Resistivity At-the-Bit Calibration			
Gamma Ray: Blanket			
Phase	Gamma ray factor ----		Value
Master			8.213
	6.500 (Minimum)	8.000 (Nominal)	9.500 (Maximum)

SCHLUMBERGER

Survey report

Client.....: BEACH PETROLEUM LTD  
Field.....: WILDCAT

Well.....: PEEJAY-1  
Service Order no.....: 08ASQ0031  
Engineer.....: MARGANDA/DALLAS/SAM

RIG.....: WEST TRITON  
STATE.....: TASMANIA

Spud date.....: 15-NOV-2008  
Last survey date.....: 02-Dec-08  
Total accepted surveys...: 33  
MD of first survey.....: 0.00 m  
MD of last survey.....: 2183.00 m

----- Survey calculation methods-----  
Method for positions.....: Minimum curvature

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2008

Method for DLS.....: Mason & Taylor

----- Depth reference -----  
Permanent datum.....: MEAN SEA LEVEL  
Depth reference.....: DRILLER'S DEPTH  
GL above permanent.....: -78.00 m  
KB above permanent.....: Top Drive  
DF above permanent.....: 34.16 m

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

----- Platform reference point-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m

Azimuth from Vsect Origin to target: 0.00 degrees

Magnetic date.....: 21-Nov-2008  
Magnetic field strength...: 1223.97 HCNT  
Magnetic dec (+E/W-).....: 13.22 degrees  
Magnetic dip.....: -70.86 degrees

----- MWD survey Reference Criteria -----  
Reference G.....: 1000.23 mGal  
Reference H.....: 1223.97 HCNT  
Reference Dip.....: -70.86 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----  
Magnetic dec (+E/W-).....: 13.22 degrees  
Grid convergence (+E/W-)..: 0.42 degrees  
Total az corr (+E/W-).....: 12.80 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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SCHLUMBERGER Survey Report

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/10m)	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	112.16	0.00	0.00	112.16	112.16	0.00	0.00	0.00	0.00	0.00	0.00	DMAG	None
3	264.95	1.45	150.86	152.79	264.93	-1.69	-1.69	0.94	1.93	150.86	0.09	DMAG	None
4	294.47	1.15	140.54	29.52	294.45	-2.24	-2.24	1.31	2.60	149.69	0.13	DMAG	None
5	323.97	1.06	150.84	29.50	323.94	-2.71	-2.71	1.63	3.16	148.94	0.07	DMAG	None
6	413.38	0.46	197.79	89.41	413.34	-3.77	-3.77	1.93	4.24	152.97	0.09	DMAG	None
7	502.18	0.23	197.76	88.80	502.14	-4.28	-4.28	1.76	4.63	157.63	0.03	DMAG	None
8	591.80	0.37	226.93	89.62	591.76	-4.65	-4.65	1.50	4.89	162.17	0.02	DMAG	None
9	679.52	0.12	321.43	87.72	679.48	-4.77	-4.77	1.23	4.93	165.53	0.05	DMAG	None
10	768.28	0.20	271.31	88.76	768.24	-4.70	-4.70	1.02	4.81	167.76	0.02	DMAG	None
11	803.99	0.21	236.85	35.71	803.95	-4.73	-4.73	0.90	4.82	169.20	0.03	DMAG	None
12	842.85	0.43	127.38	38.86	842.81	-4.86	-4.86	0.96	4.95	168.84	0.14	PUP	None
13	930.97	0.44	102.94	88.12	930.93	-5.14	-5.14	1.55	5.37	163.20	0.02	PUP	None
14	1019.59	0.43	112.01	88.62	1019.54	-5.34	-5.34	2.19	5.77	157.68	0.01	PUP	None
15	1048.56	0.33	126.08	28.97	1048.51	-5.43	-5.43	2.36	5.92	156.50	0.05	PUP	None
16	1108.49	0.33	130.22	59.93	1108.44	-5.64	-5.64	2.63	6.22	155.00	0.00	PUP	None
17	1167.38	0.22	121.98	58.89	1167.33	-5.81	-5.81	2.86	6.47	153.82	0.02	PUP	None
18	1285.81	0.69	61.10	118.43	1285.76	-5.59	-5.59	3.67	6.68	146.67	0.05	PUP	None
19	1345.01	0.68	106.82	59.20	1344.95	-5.51	-5.51	4.32	7.01	141.92	0.09	PUP	None
20	1374.54	0.67	110.27	29.53	1374.48	-5.62	-5.62	4.65	7.30	140.41	0.01	PUP	None
21	1433.56	0.69	132.78	59.02	1433.50	-5.99	-5.99	5.24	7.95	138.83	0.05	PUP	None
22	1492.77	0.32	332.96	59.21	1492.71	-6.08	-6.08	5.42	8.15	138.28	0.17	DMAG	None
23	1552.04	0.36	351.94	59.27	1551.98	-5.75	-5.75	5.32	7.83	137.22	0.02	DMAG	None
24	1640.51	0.45	30.51	88.47	1640.44	-5.17	-5.17	5.46	7.52	133.47	0.03	DMAG	None
25	1729.59	0.54	20.07	89.08	1729.52	-4.48	-4.48	5.78	7.31	127.77	0.01	DMAG	None
26	1788.72	0.68	29.31	59.13	1788.65	-3.91	-3.91	6.05	7.20	122.89	0.03	DMAG	None
27	1818.45	0.58	32.16	29.73	1818.37	-3.63	-3.63	6.21	7.20	120.29	0.04	DMAG	None
28	1906.90	0.62	29.47	88.45	1906.82	-2.83	-2.83	6.69	7.26	112.97	0.01	DMAG	None
29	1995.04	0.79	12.68	88.14	1994.95	-1.83	-1.83	7.06	7.29	104.51	0.03	DMAG	None
30	2084.02	0.82	7.44	88.98	2083.92	-0.60	-0.60	7.27	7.30	94.69	0.01	DMAG	None
31	2142.80	1.09	57.68	58.78	2142.70	0.12	0.12	7.80	7.80	89.12	0.14	DMAG	None
32	2172.21	0.98	61.66	29.41	2172.10	0.39	0.39	8.26	8.27	87.31	0.04	DMAG	None
33	2183.00	0.98	61.66	10.79	2182.89	0.48	0.48	8.42	8.43	86.76	0.00	Proj. to TD	

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Company: **Beach Petroleum Ltd**

**Schlumberger**

Well: **PeeJay-1**

Field: **Wildcat**

Rig: **West Triton**

State:	Tasmania
	VISION Resistivity 1:500 Measured Depth Recorded Mode Log