

**ESSO Australia Pty Ltd**

## 9.875 in. Section

**WKF W12A**

# WEST KINGFISH

ISDL 175 State: Victoria

Rig: ISDL 175			
Field: WEST KINGFISH			
Location: Bass Strait			
Well: WKF W12A			
Company: ESSO Australia Pty Ltd			
VISION Service			
1:500 Measured Depth (Trip Out)			
Recorded Mode Log			
Location			
Total depth:	2440.00 m	K.B.	Top Drive
Spud date:	21-Nov-09	G.L.	-77.00 m
Run:	1	D.F.	41.70 m
Permanent datum:	Mean Sea Level	Elev.:	0.00 m
Log measured from:	Drill Floor	41.70 m above Perm. datum	
Depth reference:	Driller's Depth		
Service Order no.	X = E 596,267.198 m	Longitude	Latitude
09ASQ0036	Y = N 5,727,808.731 m	E 148° 6' 19.497"	S 38° 35' 34.768"

[illegible]

## Bit Run Summary

Run number		1								
Bit size	in	9.875								
Bit start depth	m	553.0								
Bit end depth	m	2440.0								
Top interval logged	m	626.53								
Bottom interval logged	m	2429.67								
Begin log: time		09:07								
Begin log: date		21-Nov-09								
End log: time		06:51								
End log: date		24-Nov-09								
<b>Mud data</b>										
Depth	m	2227.0								
Type		Accolade SBM								
Mud weight	ppg	11.50								
Solids	%	17.6								
Chlorides	mg/L	48,603								
Rm	ohm.m@°C	n.a								
Rmf	ohm.m@°C	n.a								
Rmc	ohm.m@°C	n.a								

Potassium	%	n.a									
<b>Environmental data</b>											
<b>GR</b>											
Mud weight	ppg	11.50									
Bit size	in	9.875									
<b>Resistivity</b>											
<b>Neutron porosity</b>											
Hole Size	in	9.875									
Mud weight	ppg	11.50									
Temperature	°C	20									
Mud salinity	ppk	61.350									
Formation salinity		n.a									
Recording rate 1	SEC	6 (arc)									
Recording rate 2	SEC	10 (sonic)									
Filtering GR		3 pts.									
Filtering density		3 pts.									
Filtering Neutron		3 pts.									
Company representative		A. Choy	D. Daniels	M. Calicutt							
D&M personnel		M. Sihite	D. Perkins	W. Chehabi	C. Soper	D.B. Khanh					




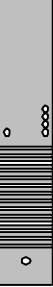












**DISCLAIMER**

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES FOR RUN1 Directional Drilling Directional Surveys Annular Pressure & Temperature Shock & Vibrations		
REMARKS: RUN NUMBER 1 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  ADN was run with 9-5/8" clamp on stabilizer  Delta-T is borehole compensated Ultrasonic sensor failure Density caliper presented instead POOH upon reaching TD of WKF W12A		

<b>EQUIPMENT DESCRIPTION</b>		
RUN1		
DOWNHOLE EQUIPMENT		

DOWNHOLE EQUIPMENT

6-3/4" adnVISION* 9-5/8" Stabilizer DHS: V8.4 S/N: 141	Neutron		35.50	37.48
	Density		34.46	
	UltraSonic		34.07	
6-3/4" sonicVISION* DHS: V6.8 S/N: 42256				30.96
	Receivers		27.87	
	Transmitter		24.82	
9-5/8" NM-ILS S/N: ASQ9009				23.66
6-3/4" TeleScope* DHS: V9.2 S/N: E0330				22.82
	D&I		18.46	
	MVC		17.46	
9-5/8" NM-ILS S/N: OSS090215				14.71
6-3/4" arcVISION* DHS: V9.4 S/N: 2065	Gamma Ray		10.38	13.74
	Resistivity		10.33	
	ARC APWD		9.62	
6-3/4" PowerDrive Xceed S/N: DN182				7.96
9-7/8" Reed Hycalog PDC Bit S/N: 126965			0.00	0.31

Maximum string diameter 9.88 in.  
All lengths in Meters

Variable Name	Variable Description	Run Name & Value	
	Run Number		1
	General Information		
BHT_RM	Bottom Hole Temperature (RM)	DEGC	91.000
BSAL_RM	Mud Salinity (RM)	PPK	61.350
BS_RM	Bit Size (RM)	IN	9.875
COEF_M	User Defined FEXP in Clean Sand	----	1.650
C_WS	Overpressure correction to Sw and M	----	1.000
FEXP	Formation Factor Exponent (RM)	----	2.000
FNUM	Formation Factor Enumerator (RM)	----	1.000
FPHI_RM	Formation Factor Porosity Source (RM)	----	XPLOT
MST_RM	Mud Sample temperature (RM)	DEGC	20.000
MW_RM	Mud Weight (RM)	LB/G	11.500
OBMF_RM	Oil Based Mud (RM)	----	YES
RHOF_RM	Mud Filtrate Density (RM)	G/C3	1.000
RHOM_RM	Matrix density (RM)	G/C3	2.710
RMS_RM	Resistivity of Mud Sample (RM)	OHMM	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
SHT_RM	Ground Level Temperature (Mud-Line When Offshore ) (RM)	DEGC	10.000
TD_RM	Total Measured Depth (RM)	M	2440.000
TWS_RM	Temperature of Connate Water (RM)	DEGC	23.889
VF_ILLI	Fraction of illite in shales	----	0.500
VF_KAOL	Fraction of kaolinite in shales	----	0.500
VF_MONT	Fraction of montmorillonite in shales	----	0.000
XPDM_RM	Cross plot density porosity multiplier	----	0.675
XPNM_RM	Cross plot neutron porosity multiplier	----	0.325
	ARC		
A12A	ARC Air Cal Attenuation From T1 at 2 MHz	DB	8.342
A14A	ARC Air Cal Attenuation From T1 at 400 KHz	DB	8.321
A22A	ARC Air Cal Attenuation From T2 at 2 MHz	DB	6.600
A24A	ARC Air Cal Attenuation From T2 at 400 KHz	DB	6.628
A32A	ARC Air Cal Attenuation From T3 at 2 MHz	DB	4.967
A34A	ARC Air Cal Attenuation From T3 at 400 KHz	DB	4.939
A42A	ARC Air Cal Attenuation From T4 at 2 MHz	DB	4.506
A44A	ARC Air Cal Attenuation From T4 at 400 KHz	DB	4.530
A52A	ARC Air Cal Attenuation From T5 at 2 MHz	DB	3.519
A54A	ARC Air Cal Attenuation From T5 at 400 KHz	DB	3.500
ABNT	Abnormal Transmitter Indicator	----	No_Tx_Failed
ADHS	ARC Down Hole Software Version	----	9.4
AM2A	ARC Air Cal Amplitude Offset at 2 MHz	----	-50000.000
ANISO_COMPUTE	Anisotropy Computation Option	----	YES
APICG	ARC5 Gamma Ray Gain Factor	----	1.027
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	----	1
ATSN	ARC Tool Serial Number	----	2065
AZMF	Formation DIP Azimuth	DEG	0.000
BH_COMPUTE	Borehole Inversion Computation Option	----	YES
CALG	ARC Gamma Ray Cal Gain Factor	----	1.027
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	----	21-NOV-09
KPER	Potassium Concentration (RM)	----	0.000
LOW_BLEND	Low Resistivity Threshold for Blending	OHMM	1.000
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	1.783
P14A	ARC Air Cal Phase-Shift From T1 at 400 KHz	DEG	-0.414
P22A	ARC Air Cal Phase-Shift From T2 at 2 MHz	DEG	-1.661
P24A	ARC Air Cal Phase-Shift From T2 at 400 KHz	DEG	0.291
P32A	ARC Air Cal Phase-Shift From T3 at 2 MHz	DEG	1.696
P34A	ARC Air Cal Phase-Shift From T3 at 400 KHz	DEG	-0.373
P42A	ARC Air Cal Phase-Shift From T4 at 2 MHz	DEG	-1.703
P44A	ARC Air Cal Phase-Shift From T4 at 400 KHz	DEG	0.290
P52A	ARC Air Cal Phase-Shift From T5 at 2 MHz	DEG	1.660
P54A	ARC Air Cal Phase-Shift From T5 at 400 KHz	DEG	-0.378

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-mm-yy	----	21-NOV-09
RWA_COMP_MOD	Rwa computation model	----	BASIC
RWA_DEN_ADN	Rwa Density Input	----	RHOB
RWA_DEN_CDN	Rwa Density Input	----	RHOB
RWA_DEN_INPUT	Rwa Density Input	----	RHOB
RWA_FORM_MOD	Rwa computation formation model	----	CLASTIC
RWA_RES_INPUT	Rwa computation resistivity input	----	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	6.750
UNIFORM_COMPUTE	Uniform Rock Option	----	YES
VERS_ARC	ARC Down hole software version Number	----	9.400
WRK	to Report Potassium Concentration (RM)	----	K_by_Wgt_%

ADN			
ADN_CHASSIS_STR	Type String	Chassis	ADN
ADN_COLLAR_STR	Type String	Collar	ADN
ADN_DATA_FIX	ADN: Create A Corrected ADN Time Data File	----	NO
ADN_DATA_LTB	ADN: Create An ADN LTB Data File	----	NO
ADN_ORIENTATION	ADN Image Orientation	----	TOH
ADN_STAB_STR	ADN Stabilizer Type String	----	TOH
ALPHA_COMPUTE_D	Perform Density Enhanced Vertical Resolution process ?	----	YES
ALPHA_COMPUTE_N	Perform Neutron Enhanced Vertical Resolution process ?	----	YES
AVE_ADN	ADN/Array Channels: perform averaging(RM) :	----	YES
A_DHS	ADN Down Hole Software Version String	----	YES
CHI_RM	Caliper High limit from BS (RM)	IN	3.000
CLO_RM	Caliper Low limit from BS (RM)	IN	0.000
DEVI	Well Section Deviation	DEG	6.930
DTIK_SEL	ADN: Density Tick Channel Name	----	LSAZ
DTMUD	Delta-T for Mud	US/F	207.909
DYN_IMG_COMPUTE	Generate Dynamic Normalized Image?	----	YES
ECC_CORR_ADN	Perform Eccentering Correction for TNPH?	----	YES
ENVCOR	Neutron Processing: Environmental Correction?	----	YES
EVRL	EVR Process averaging number of samples (RM)	----	49
FCD	Future Casing (Outer) Diameter	IN	7.000
GCSE	Generalized Caliper Selection	----	BS
HPS	ADSE-EB (High Pressure Inconel Chassis)?	----	NO
IBS	Integral Blade Stabilizer Collar?	----	NO
IDQT	Image Derived Quality Threshold	----	2.000
IHVS	Integrated Hole Volume Start Value(RM)	F3	0.000
IMAGE_MAX_SOA	Image SOA (Quadrant) Right Scale	IN	2.500
IMAGE_MAX_SPEF	Image PEF(Segment) Right Scale	----	6.000
IMAGE_MAX_SRHOB	Image RHOB(Segment) Right Scale	G/C3	2.650
IMAGE_MIN_SOA	Image SOA (Quadrant) Left Scale	IN	0.000
IMAGE_MIN_SPEF	Image PEF(Segment) Left Scale	----	2.000
IMAGE_MIN_SRHOB	Image RHOB(Segment) Left Scale	G/C3	2.050
JSD_ADN	ADN Acquisition start date	G/C3	2.050
LITHO_TYPE_ADN	Lithology (RM)	----	LIME
N1FTU_6_RM	ADN: Neutron Bank 1 Far Tubes used :	----	1-2-3
N2FTU_6_RM	ADN: Neutron Bank 2 Far Tubes used :	----	1-2-3
NNTU_RM	ADN Neutron Near Banks Used	----	1-2
NTIK_SEL	ADN: Neutron Tick Channel Name	----	FR11
SOCNL	Standoff Distance of the CNL Tool	----	1.000
SSIZ_ADN	ADN Stabilizer Size	IN	9.480
STOH	ADN Density Top of Hole Sector (Left Boundary):	----	SECTOR_0
TRPM_RM	Average Tool Rotational Speed	RPM	20.000
USMIN_RM	ADN:Minimum Ultrasonic standoff (RM)	IN	0.180
USWF_RM	ADN:Process Ultrasonic Waveform?	----	YES
VERS_ADN	ADN Downhole Software Version	----	8.400
WSDI	Window Size of Dynamic Normalization Image	M	15.240

Schlumberger Drilling &amp; Measurements

ID13 Parameter Insert Header Software vers:

## IDEAL Version: ID14\_OC\_25

### IDF


ARC6A-AA      Id14\_Oc\_25      ADN      Id14\_Oc\_25

Format: VISION Service RM Log      Vertical Scale: 1:500      Graphics File Created: 25-Nov-2009 10:50

#### PIP SUMMARY

Density Samples 

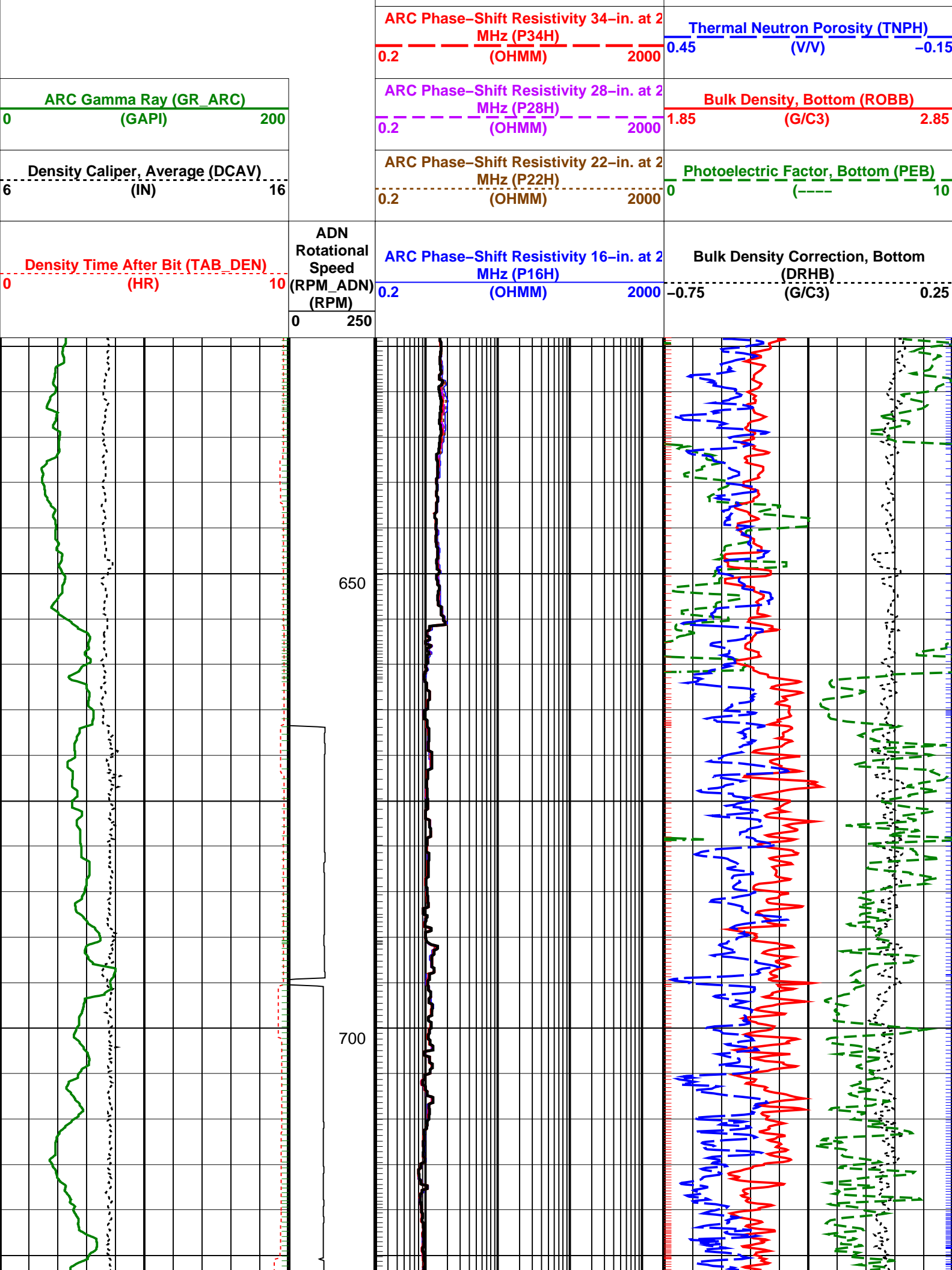
Neutron Samples 

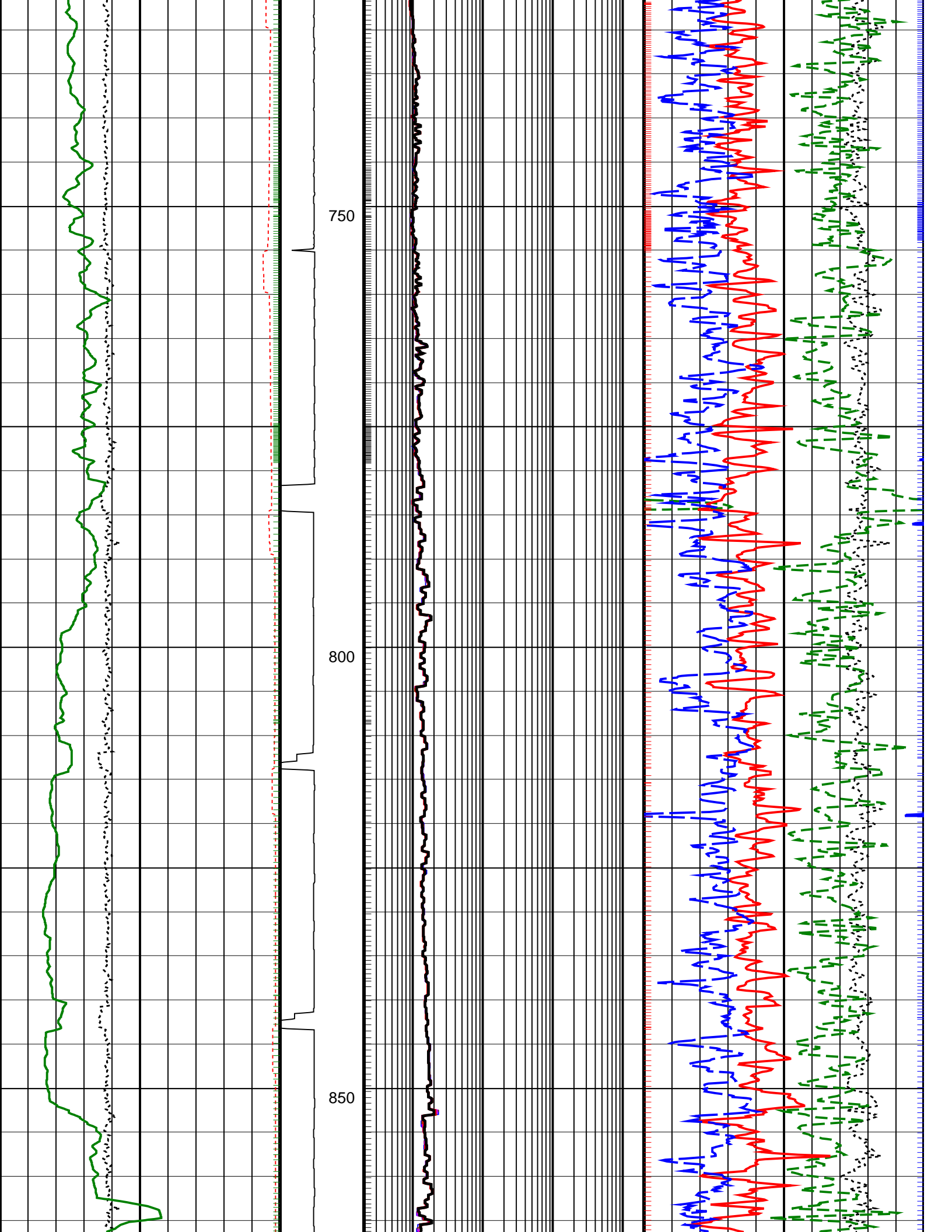
 ARC Gamma Ray Samples

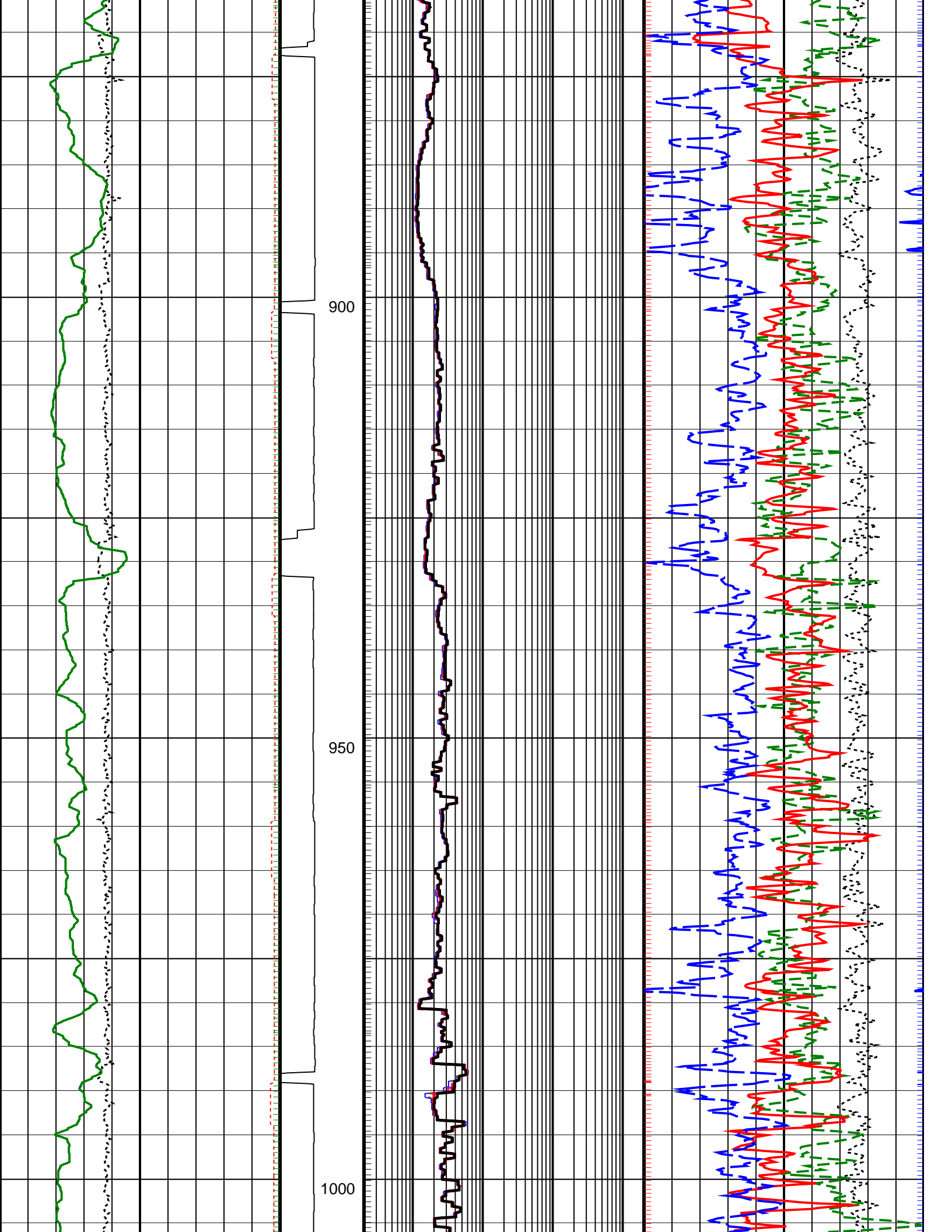
 ARC Resistivity Samples

ARC Phase-Shift Resistivity 40-in. at 2  
MHz (P40H)

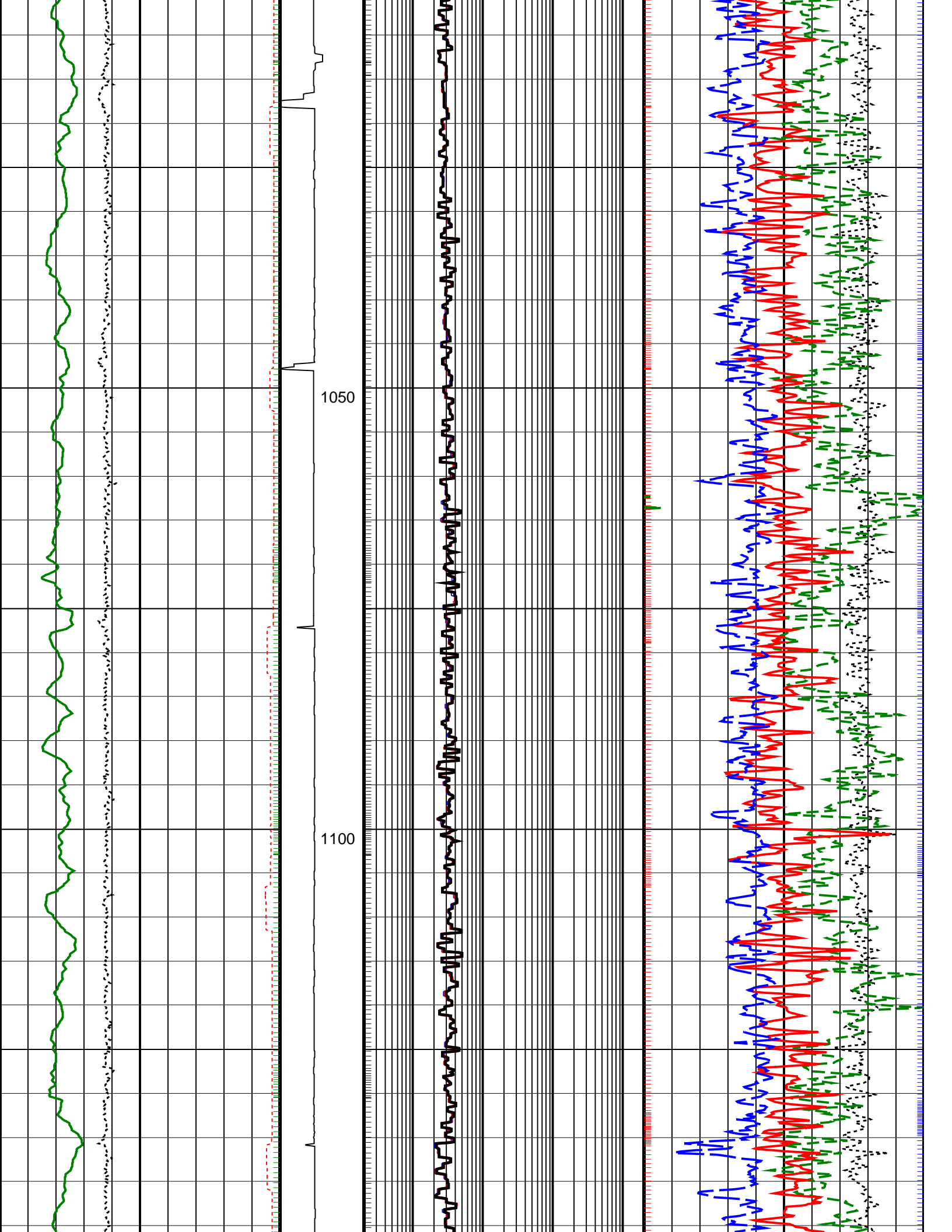
0.2      (OHMM)      2000

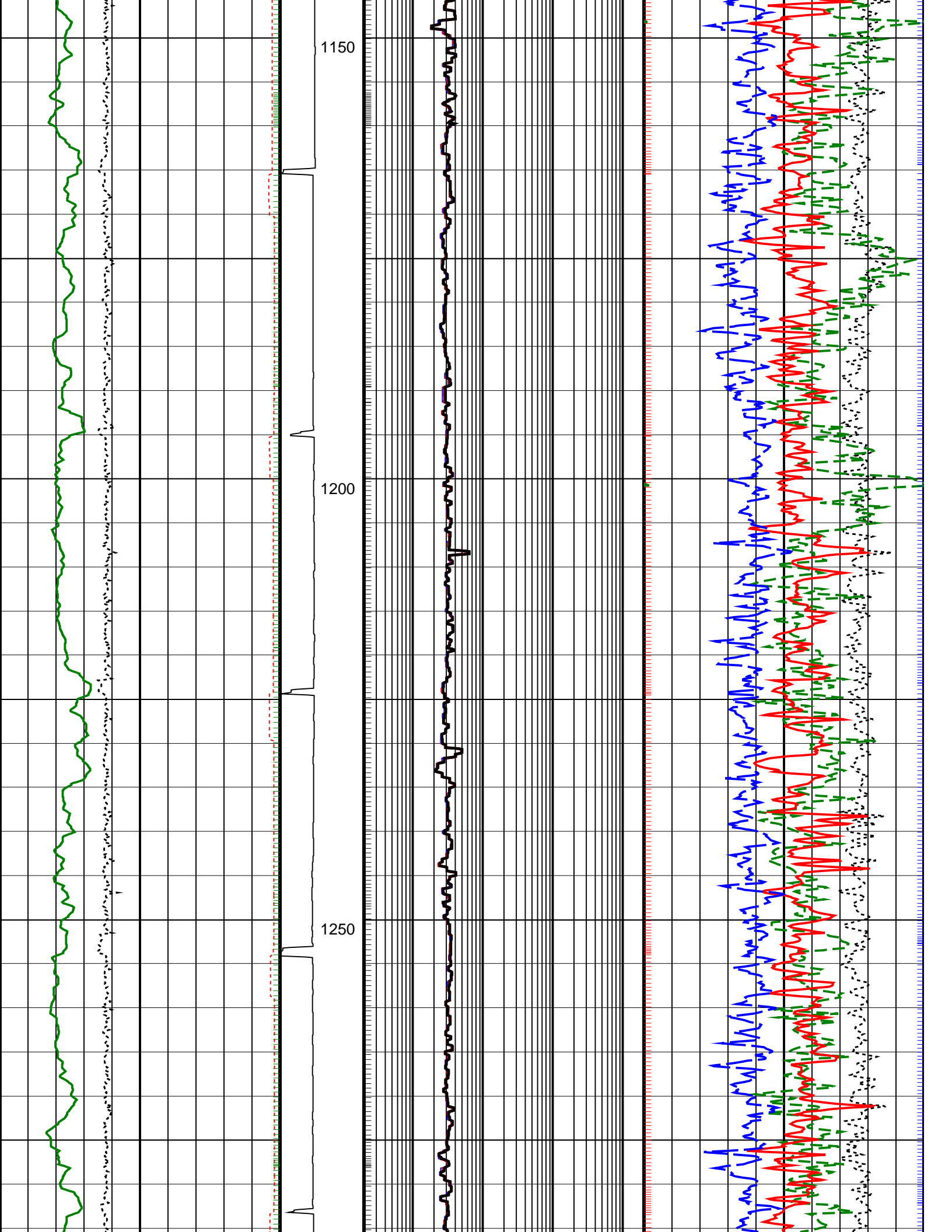


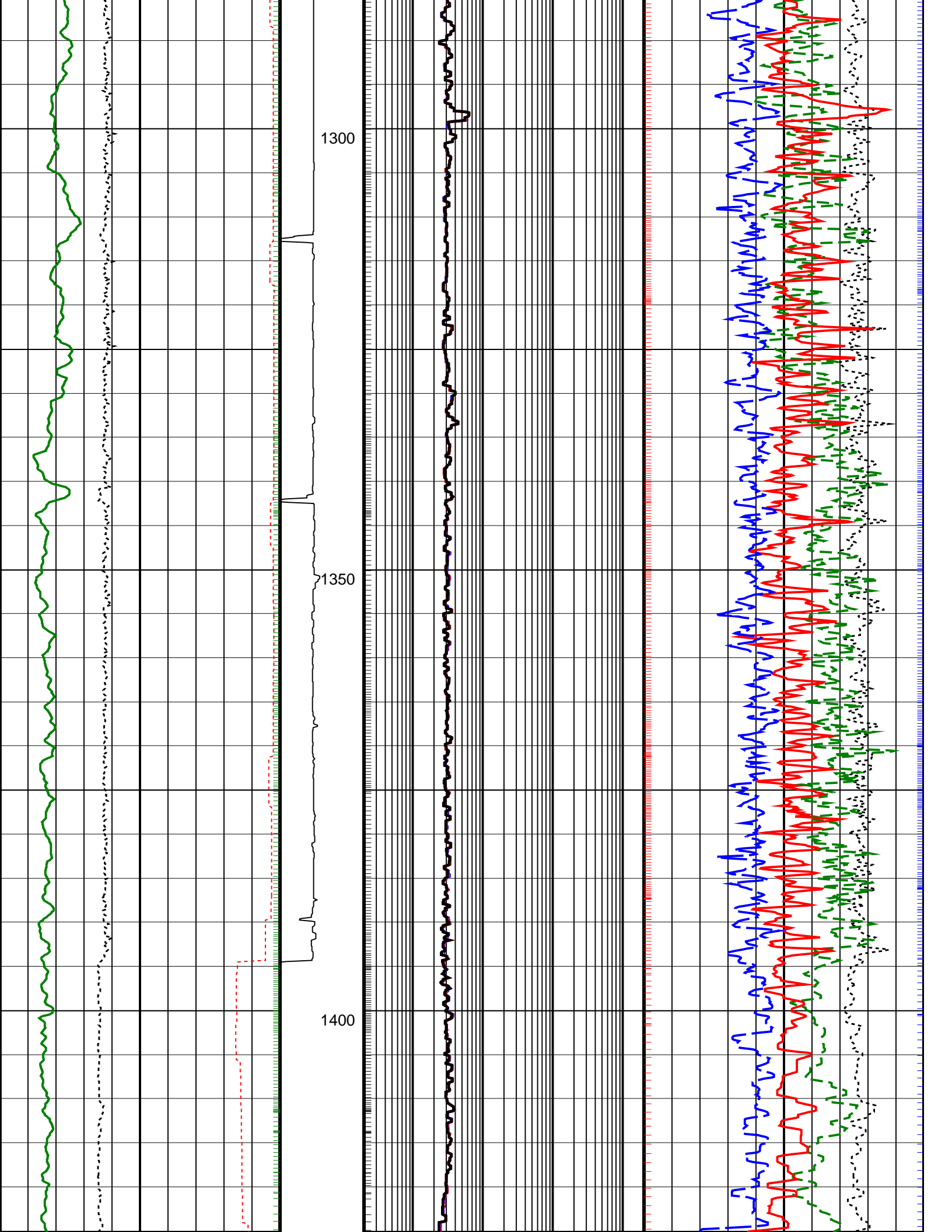


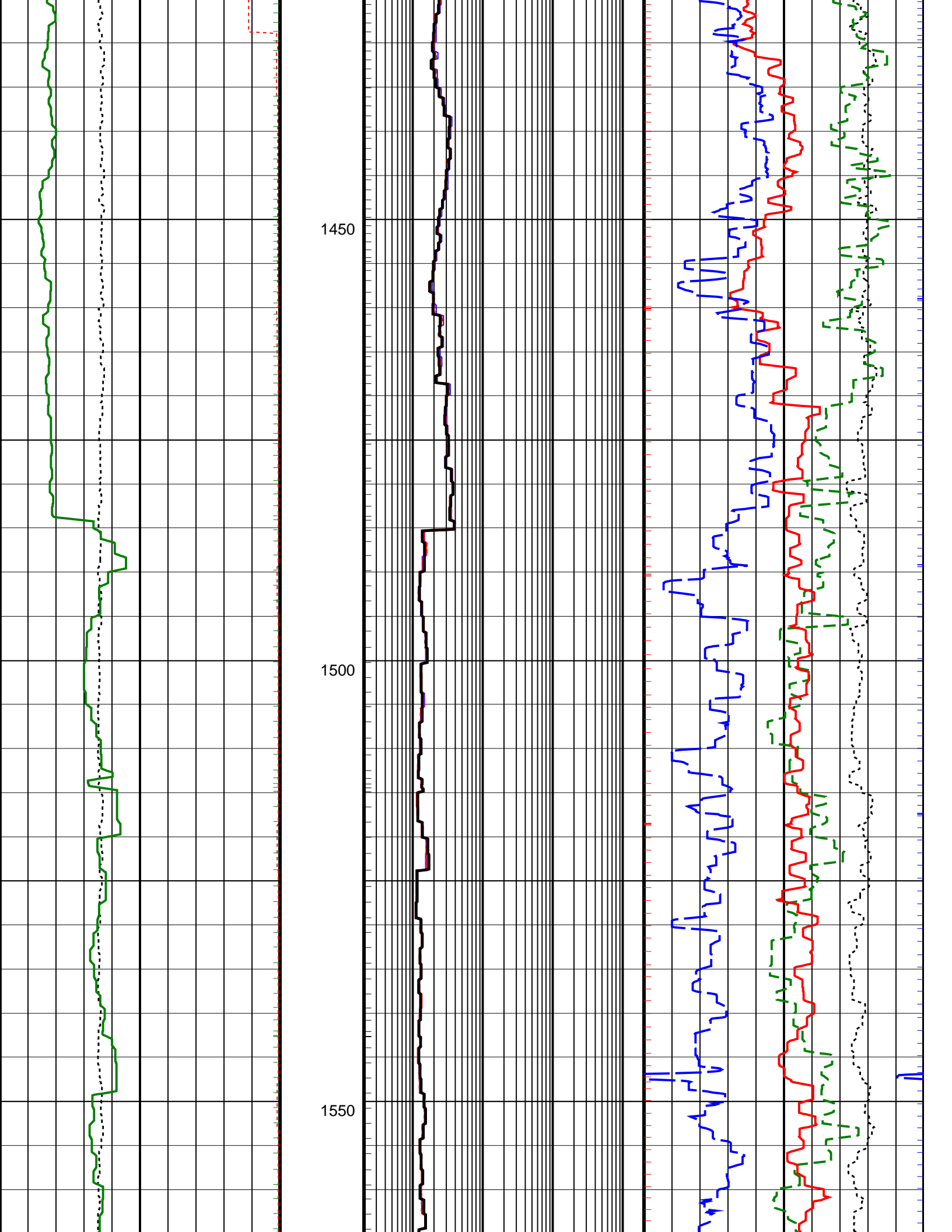


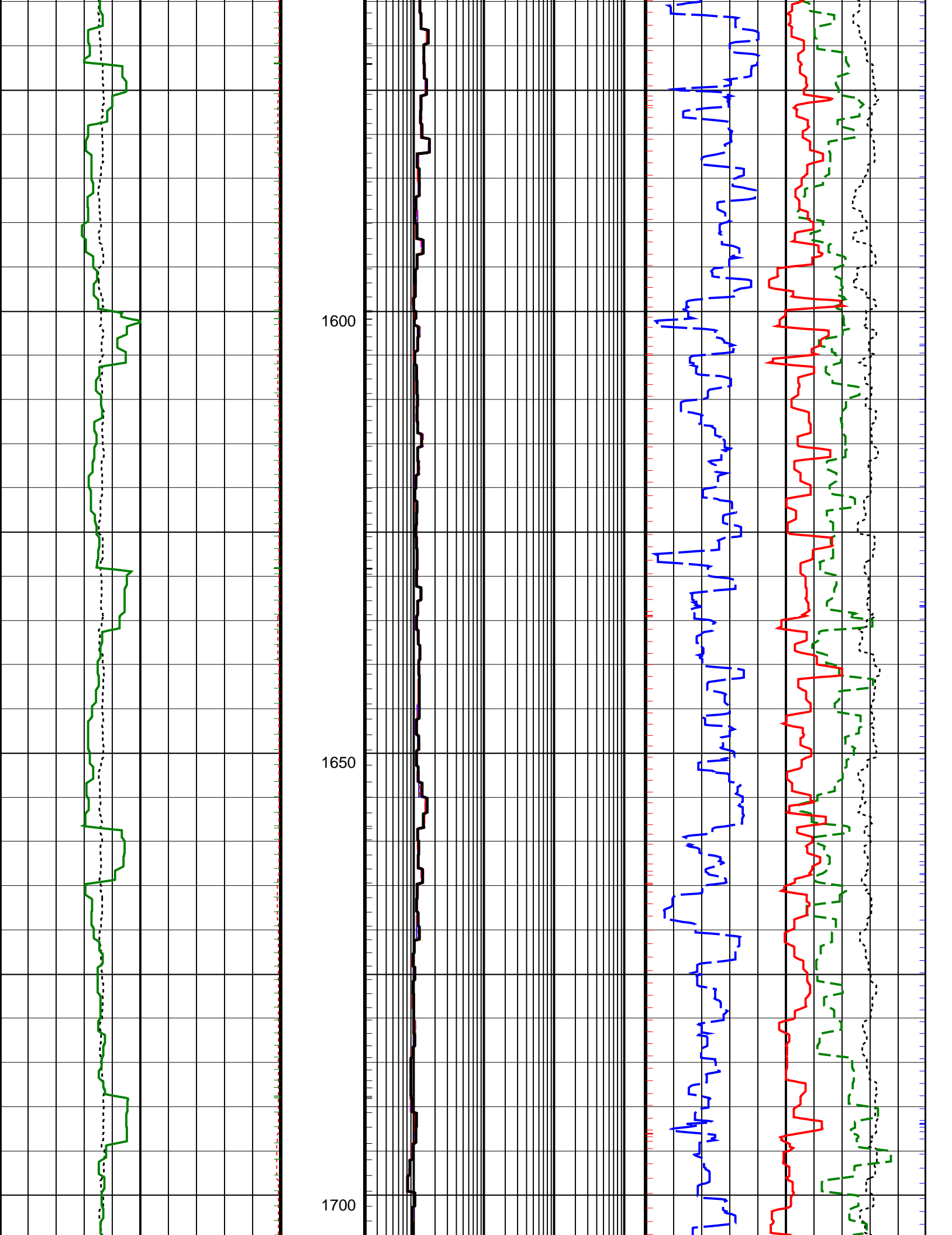


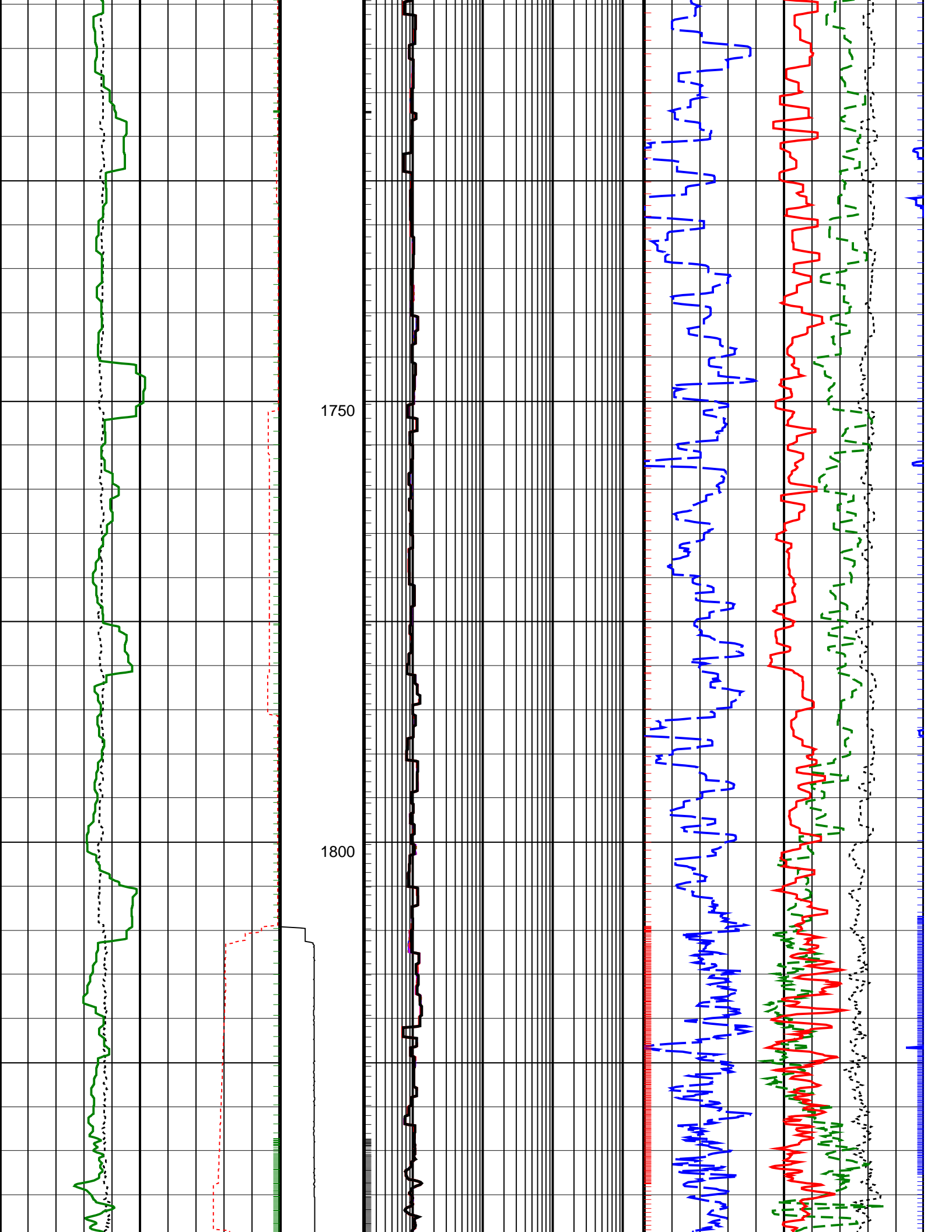


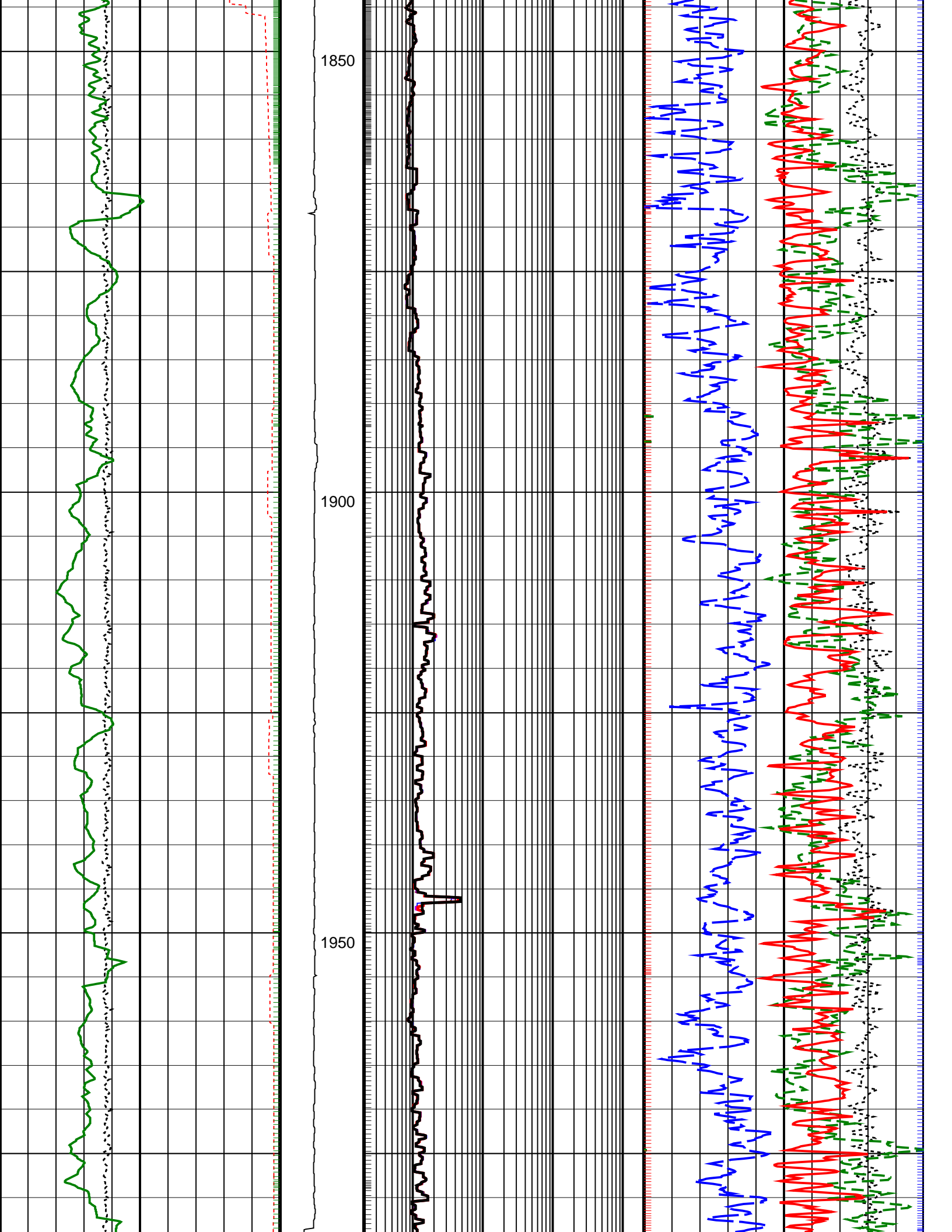


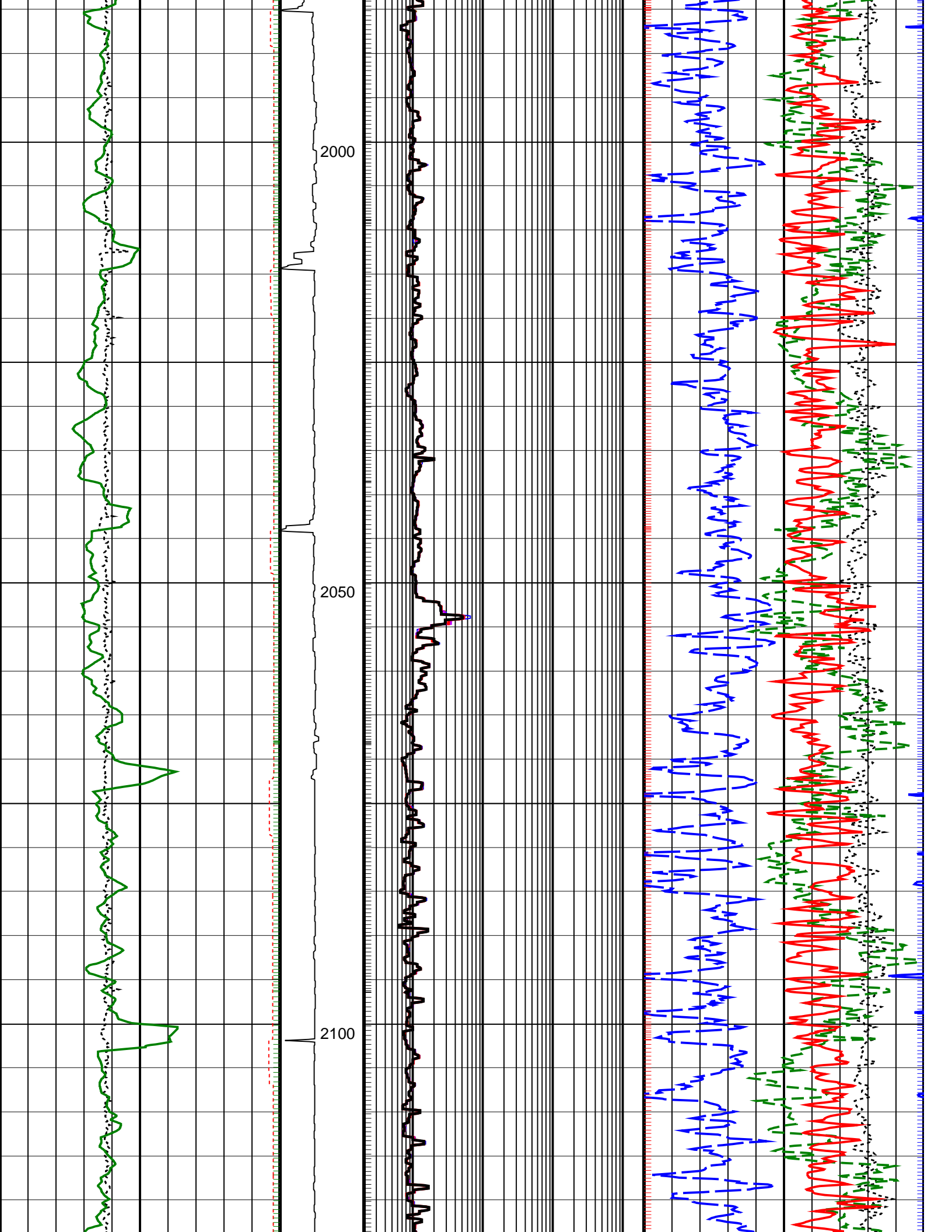




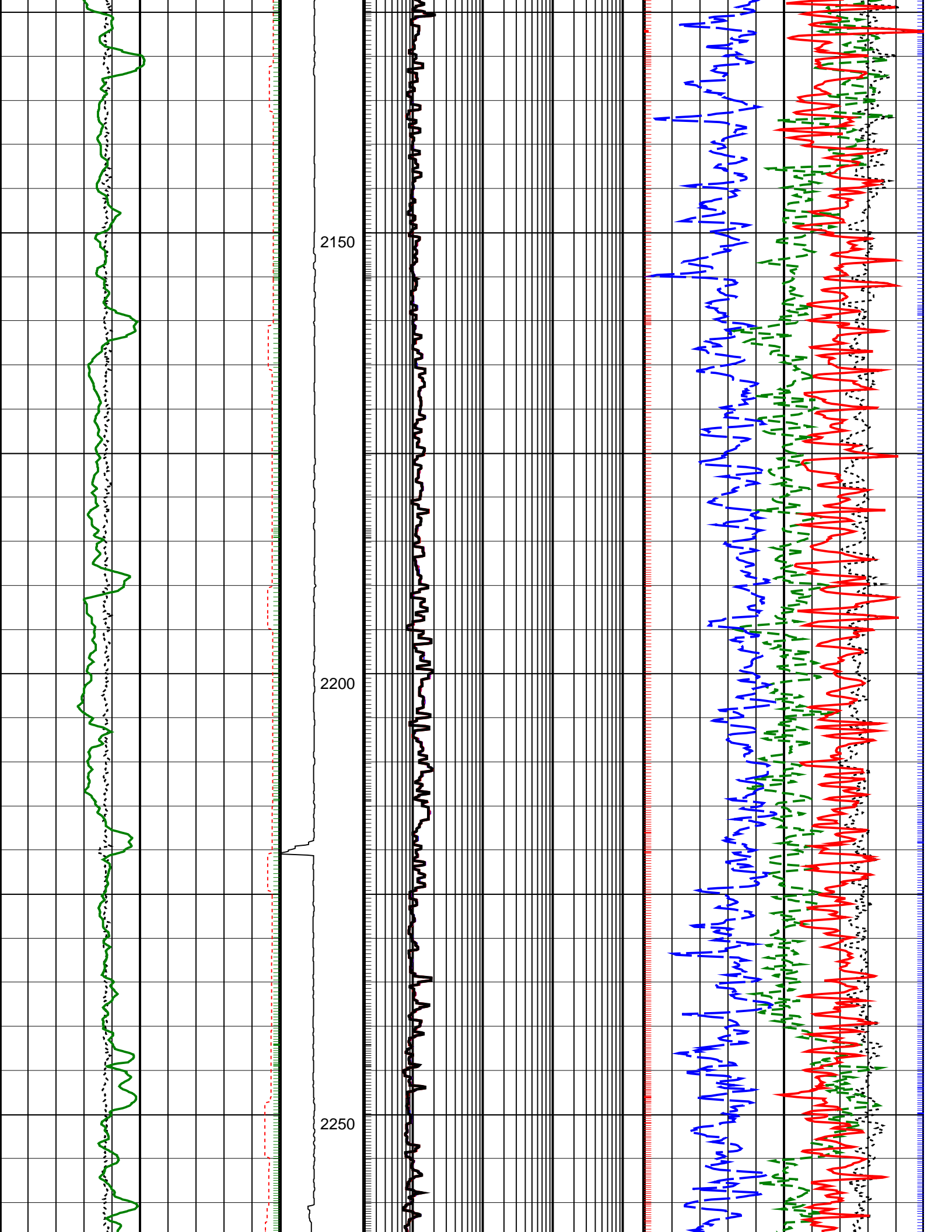


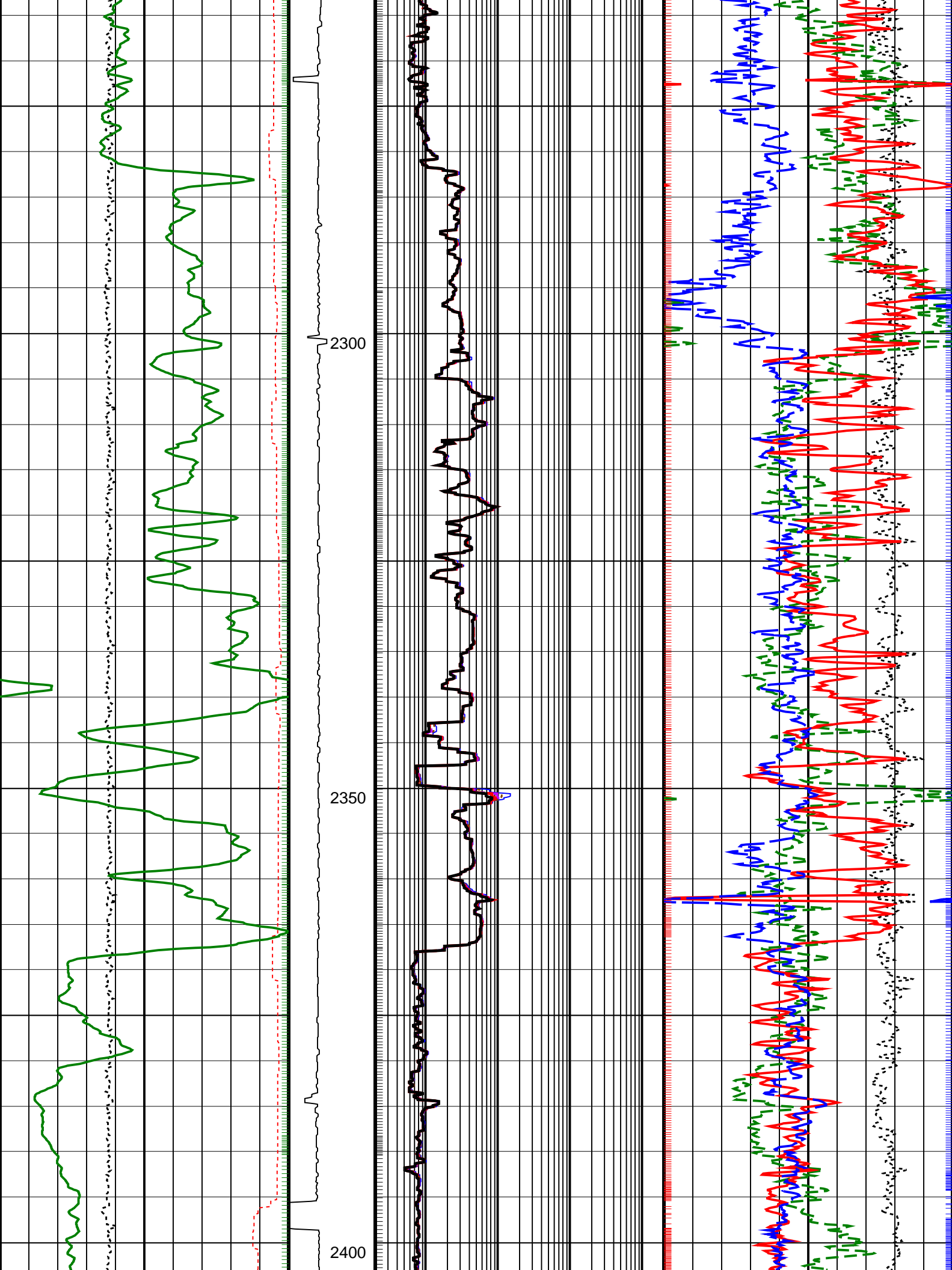


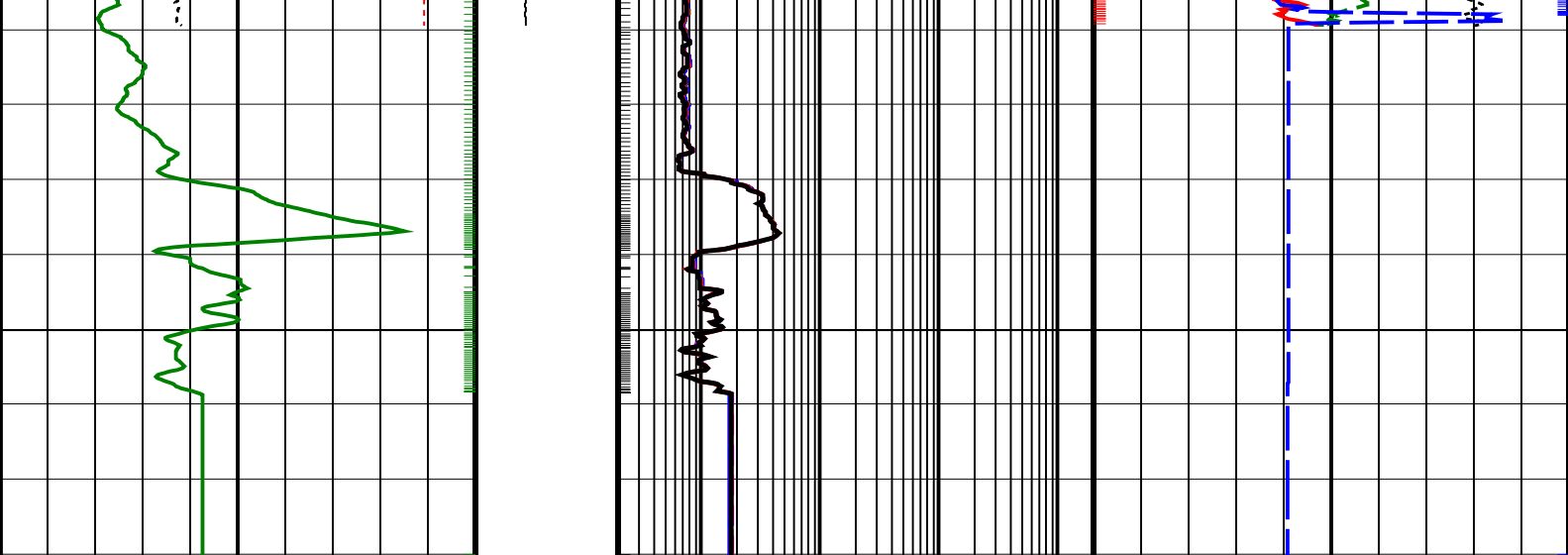












<div>Density Time After Bit (TAB_DEN) (HR)</div> <div>010</div>	ADN Rotational Speed (RPM_ADN) (RPM)	ARC Phase-Shift Resistivity 16-in. at 2 MHz (P16H) (OHMM)	Bulk Density Correction, Bottom (DRHB) (G/C3)
	0250	0.22000	-0.750.25
Density Caliper, Average (DCAV) (IN)		ARC Phase-Shift Resistivity 22-in. at 2 MHz (P22H) (OHMM)	Photoelectric Factor, Bottom (PEB) (----
616		0.22000	010
ARC Gamma Ray (GR_ARC) (GAPI)		ARC Phase-Shift Resistivity 28-in. at 2 MHz (P28H) (OHMM)	Bulk Density, Bottom (ROBB) (G/C3)
0200		0.22000	1.852.85
		ARC Phase-Shift Resistivity 34-in. at 2 MHz (P34H) (OHMM)	Thermal Neutron Porosity (TNPH) (V/V)
		0.22000	0.45-0.15
		ARC Phase-Shift Resistivity 40-in. at 2 MHz (P40H) (OHMM)	
		0.22000	

PIP SUMMARY

Density Samples Density Samples

ARC Gamma Ray Samples

ARC Resistivity Samples

Neutron Samples

IDEAL Version: ID14\_0C\_25

IDF

ARC6A-AAId14\_0c\_25ADNId14\_0c\_25

Primary Equipment:			6.75-in. Azimuthal Density Neutron / Equipment Identification		
Tool Name and Serial Number			ADN6 - CA		
Collar Type and Serial Number			ADDC - AA		
Chassis Type and Serial Number			ADSE - EA		
Stabilizer Type and Serial Number			NSR - M		
Neutron Logging Source			GSR - J/Z		
Density Logging Source			9.48 - in.		
Stabilizer Size			AUTO -		
Calibration Status					

Master: 19-Nov-2009 14:55														
6.75-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	<div></div>			506.9	Master	<div></div>			1408	Master	<div></div>			3796
	250.0	4125	8000		700.0	9350	18000		2500	23750	45000			
	(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)	(Maximum)		(Minimum)	(Nominal)	(Maximum)			



Master: 28-Sep-2009 14:11			
6.75-in. Array Resistivity Compensated Calibration			
Gamma Ray: Blanket			
Phase	Gamma ray factor (equals Calibration Gain multiplied by API Gain Factor) CPS		Value
Master			4.929
	2.780 (Minimum)	4.800 (Nominal)	6.000 (Maximum)

## SCHLUMBERGER

## Survey report

Client.....: ESSO Australia Pty Ltd  
Field.....: WEST KINGFISH

Well.....: WKF W12A  
API number.....: N/A  
Engineer.....: MRG/DP/WC

COUNTY.....: N/A  
STATE.....: VIC

Spud date.....: 21-NOV-09  
Last survey date.....: 25-Nov-09  
Total accepted surveys....: 84  
MD of first survey.....: 0.00 m  
MD of last survey.....: 2440.00 m

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

----- Depth reference -----  
Permanent datum.....: MEAN SEA LEVEL  
Depth reference.....: DRILLER'S DEPTH  
GL above permanent.....: 77.00 m  
KB above permanent.....: -41.73 m  
DF above permanent.....: -41.73 m

----- Vertical section origin-----  
Latitude (+N/S-).....: -2.32 m  
Departure (+E/W-).....: 4.16 m

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

Azimuth from Vsect Origin to target: 19.15 degrees

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2009  
Magnetic date.....: 20-Nov-2009  
Magnetic field strength...: 60057.39 GAMA  
Magnetic dec (+E/W-).....: 13.22 degrees  
Magnetic dip.....: -69.00 degrees

----- MWD survey Reference Criteria -----  
Reference G.....: 1000.06 mGal  
Reference H.....: 60057.50 GAMA  
Reference Dip.....: -69.00 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 300.00 GAMA  
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----  
Magnetic dec (+E/W-).....: 13.22 degrees  
Grid convergence (+E/W-)..: -0.69 degrees  
Total az corr (+E/W-).....: 13.91 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

[(c)2009 IDEAL ID14\_OC\_25]  
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/ 100f)	Srvy Tool type	Tool Corr (deg)
1	0.00	0.00	0.00	0.00	0.00	0.00	-2.32	4.16	4.76	119.15	0.00	TIP	None
2	7.50	0.00	0.00	7.50	7.50	0.00	-2.32	4.16	4.76	119.15	0.00	PHOTO-GSS	No
3	206.50	3.00	260.00	199.00	206.41	-2.54	-3.22	-0.97	3.37	196.73	0.46	PHOTO-GSS	No
4	216.50	4.50	273.00	10.00	216.39	-2.77	-3.25	-1.62	3.63	206.48	5.23	PHOTO-GSS	No
5	234.50	7.00	287.00	18.00	234.30	-3.01	-2.89	-3.37	4.44	229.40	4.82	PHOTO-GSS	No
6	243.50	8.50	288.00	9.00	243.21	-3.05	-2.53	-4.53	5.19	240.86	5.10	PHOTO-GSS	No
7	253.50	8.50	288.00	10.00	253.10	-3.07	-2.07	-5.94	6.29	250.78	0.00	PHOTO-GSS	No
8	263.50	8.75	289.00	10.00	262.99	-3.09	-1.59	-7.36	7.53	257.78	0.89	PHOTO-GSS	No
9	282.50	9.25	293.00	19.00	281.76	-2.99	-0.53	-10.13	10.14	267.03	1.28	PHOTO-GSS	No
10	300.50	9.75	292.00	18.00	299.51	-2.82	0.61	-12.88	12.89	272.71	0.89	PHOTO-GSS	No
11	321.50	11.00	293.00	21.00	320.17	-2.60	2.06	-16.37	16.50	277.17	1.83	PHOTO-GSS	No
12	341.50	10.25	292.00	20.00	339.82	-2.38	3.47	-19.77	20.08	279.96	1.18	PHOTO-GSS	No
13	360.50	9.75	291.00	19.00	358.53	-2.24	4.68	-22.84	23.32	281.58	0.85	PHOTO-GSS	No
14	389.50	10.00	291.00	29.00	387.11	-2.08	6.46	-27.49	28.24	283.23	0.26	PHOTO-GSS	No
15	418.50	9.50	291.00	29.00	415.69	-1.93	8.22	-32.07	33.11	284.38	0.53	PHOTO-GSS	No
16	447.50	8.75	292.00	29.00	444.32	-1.74	9.91	-36.35	37.68	285.25	0.81	PHOTO-GSS	No
17	466.50	7.50	289.00	19.00	463.13	-1.67	10.85	-38.86	40.35	285.60	2.12	PHOTO-GSS	No
18	505.50	5.50	293.00	39.00	501.88	-1.55	12.41	-42.99	44.75	286.10	1.60	PHOTO-GSS	No
19	562.50	3.00	296.00	57.00	558.71	-1.19	14.13	-46.85	48.93	286.79	1.34	PHOTO-GSS	No
20	626.53	2.02	301.08	64.03	622.68	-0.76	15.45	-49.32	51.68	287.39	0.48	PHOTO-GSS	No
21	646.77	3.66	20.88	20.24	642.90	-0.04	16.24	-49.40	52.00	288.20	5.80	MWD+GMAG	No
22	656.61	4.55	22.13	9.84	652.72	0.67	16.89	-49.14	51.96	288.97	2.77	MWD+GMAG	No
23	685.69	8.33	21.52	29.08	681.61	3.92	19.92	-47.93	51.90	292.57	3.96	MWD+GMAG	No
24	714.73	9.35	21.05	29.04	710.30	8.38	24.08	-46.31	52.20	297.47	1.07	MWD+GMAG	No
25	744.08	9.70	21.95	29.35	739.25	13.24	28.60	-44.53	52.92	302.71	0.40	MWD+GMAG	No
26	773.27	9.46	16.40	29.19	768.03	18.09	33.18	-42.93	54.26	307.70	1.00	MWD+GMAG	No
27	802.85	9.26	13.23	29.58	797.22	22.88	37.83	-41.70	56.30	312.21	0.57	MWD+GMAG	No
28	832.02	9.27	11.81	29.17	826.01	27.55	42.42	-40.68	58.77	316.19	0.24	MWD+GMAG	No
29	861.40	9.32	11.66	29.38	855.00	32.25	47.06	-39.72	61.58	319.84	0.06	MWD+GMAG	No
30	890.64	8.69	12.79	29.24	883.88	36.80	51.53	-38.75	64.48	323.06	0.68	MWD+GMAG	No
31	919.93	9.08	19.27	29.29	912.82	41.31	55.87	-37.50	67.29	326.13	1.12	MWD+GMAG	No

32	949.14	8.96	17.29	29.21	941.67	45.89	60.22	-36.06	70.19	329.09	0.35	MWD+GMAG	Noi
33	978.16	8.79	14.85	29.02	970.34	50.36	64.52	-34.82	73.32	331.65	0.43	MWD+GMAG	Noi
34	1007.71	9.41	13.06	29.55	999.52	55.01	69.06	-33.70	76.84	333.99	0.70	MWD+GMAG	Noi
35	1036.88	8.46	15.85	29.17	1028.34	59.52	73.45	-32.57	80.34	336.08	1.09	MWD+GMAG	Noi
36	1066.29	8.66	31.20	29.41	1057.42	63.85	77.42	-30.83	83.33	338.28	2.37	MWD+GMAG	Noi
37	1095.65	9.11	41.94	29.36	1086.43	68.15	81.04	-28.14	85.79	340.85	1.78	MWD+GMAG	Noi
38	1125.06	9.44	34.42	29.41	1115.46	72.63	84.76	-25.22	88.43	343.43	1.30	MWD+GMAG	Noi
39	1154.05	9.63	27.44	28.99	1144.05	77.32	88.88	-22.75	91.74	345.64	1.23	MWD+GMAG	Noi
40	1183.48	9.60	20.06	29.43	1173.07	82.21	93.37	-20.78	95.65	347.45	1.28	MWD+GMAG	Noi
41	1212.66	8.94	14.68	29.18	1201.87	86.90	97.84	-19.37	99.74	348.80	1.14	MWD+GMAG	Noi
42	1241.60	9.05	16.97	28.94	1230.45	91.42	102.20	-18.13	103.79	349.94	0.39	MWD+GMAG	Noi
43	1271.30	8.65	20.23	29.70	1259.80	95.99	106.53	-16.68	107.82	351.10	0.66	MWD+GMAG	Noi
44	1300.70	8.80	20.89	29.40	1288.86	100.45	110.70	-15.11	111.73	352.23	0.19	MWD+GMAG	Noi
45	1329.76	8.90	19.33	29.06	1317.57	104.91	114.90	-13.58	115.70	353.26	0.27	MWD+GMAG	Noi
46	1358.94	8.89	6.87	29.18	1346.40	109.38	119.27	-12.56	119.93	353.99	2.01	MWD+GMAG	Noi
47	1388.26	8.69	2.85	29.32	1375.38	113.72	123.73	-12.18	124.33	354.38	0.67	MWD+GMAG	Noi
48	1417.51	8.70	10.24	29.25	1404.29	118.02	128.11	-11.68	128.65	354.79	1.16	MWD+GMAG	Noi
49	1446.94	9.09	7.11	29.43	1433.37	122.49	132.61	-10.99	133.07	355.26	0.64	MWD+GMAG	Noi
50	1476.39	7.76	8.46	29.45	1462.50	126.72	136.89	-10.41	137.28	355.65	1.39	MWD+GMAG	Noi
51	1505.59	8.16	16.27	29.20	1491.42	130.73	140.83	-9.54	141.15	356.12	1.20	MWD+GMAG	Noi
52	1534.75	8.56	23.45	29.16	1520.27	134.96	144.80	-8.10	145.03	356.80	1.17	MWD+GMAG	Noi
53	1563.84	8.66	24.16	29.09	1549.03	139.30	148.79	-6.34	148.92	357.56	0.15	MWD+GMAG	Noi
54	1593.11	8.70	24.23	29.27	1577.97	143.70	152.82	-4.53	152.88	358.30	0.04	MWD+GMAG	Noi
55	1622.65	8.89	25.65	29.54	1607.16	148.20	156.91	-2.63	156.93	359.04	0.30	MWD+GMAG	Noi
56	1651.82	8.95	26.68	29.17	1635.98	152.68	160.97	-0.63	160.97	359.78	0.18	MWD+GMAG	Noi
57	1680.83	8.98	28.50	29.01	1664.63	157.16	164.98	1.46	164.98	0.51	0.30	MWD+GMAG	Noi
58	1708.19	8.68	23.13	27.36	1691.67	161.32	168.75	3.29	168.79	1.12	0.98	MWD+GMAG	Noi
59	1739.30	8.17	17.30	31.11	1722.44	165.87	173.02	4.87	173.09	1.61	0.97	MWD+GMAG	Noi
60	1768.35	7.62	16.34	29.05	1751.22	169.86	176.84	6.03	176.94	1.95	0.59	MWD+GMAG	Noi
61	1798.01	6.99	12.87	29.66	1780.64	173.62	180.49	6.98	180.62	2.22	0.79	MWD+GMAG	Noi
62	1827.32	5.13	18.45	29.31	1809.78	176.70	183.47	7.80	183.64	2.43	2.03	MWD+GMAG	Noi
63	1856.68	0.47	246.72	29.36	1839.11	177.93	184.67	8.10	184.85	2.51	5.66	MWD+GMAG	Noi
64	1885.99	1.59	215.04	29.31	1868.41	177.46	184.29	7.76	184.45	2.41	1.26	MWD+GMAG	Noi
65	1915.16	1.46	221.69	29.17	1897.57	176.73	183.68	7.28	183.82	2.27	0.23	MWD+GMAG	Noi
66	1944.22	1.30	222.87	29.06	1926.62	176.09	183.16	6.81	183.29	2.13	0.17	MWD+GMAG	Noi
67	1973.72	1.39	211.95	29.50	1956.11	175.43	182.61	6.39	182.72	2.00	0.28	MWD+GMAG	Noi
68	2002.95	1.52	193.94	29.23	1985.34	174.70	181.94	6.11	182.04	1.92	0.49	MWD+GMAG	Noi
69	2032.09	1.45	194.05	29.14	2014.47	173.95	181.20	5.93	181.30	1.87	0.07	MWD+GMAG	Noi
70	2061.55	1.41	184.15	29.46	2043.92	173.22	180.48	5.81	180.57	1.84	0.26	MWD+GMAG	Noi
71	2090.54	1.49	174.99	28.99	2072.90	172.54	179.75	5.82	179.84	1.85	0.26	MWD+GMAG	Noi
72	2119.85	1.78	315.16	29.31	2102.20	172.39	179.69	5.53	179.78	1.76	3.20	MWD+GMAG	Noi
73	2149.01	3.15	2.86	29.16	2131.34	173.36	180.81	5.25	180.89	1.66	2.46	MWD+GMAG	Noi
74	2178.44	3.05	18.34	29.43	2160.72	174.92	182.36	5.54	182.45	1.74	0.87	MWD+GMAG	Noi
75	2207.86	2.78	34.08	29.42	2190.11	176.39	183.70	6.18	183.80	1.93	0.87	MWD+GMAG	Noi
76	2236.90	2.88	47.90	29.04	2219.11	177.71	184.77	7.12	184.91	2.21	0.72	MWD+GMAG	Noi
77	2266.43	0.53	239.21	29.53	2248.63	178.25	185.20	7.55	185.35	2.33	3.51	MWD+GMAG	Noi
78	2295.88	1.69	192.64	29.45	2278.08	177.72	184.70	7.34	184.85	2.28	1.43	MWD+GMAG	Noi
79	2325.11	0.82	120.08	29.23	2307.30	177.25	184.18	7.43	184.33	2.31	1.71	MWD+GMAG	Noi
80	2354.24	0.97	52.46	29.13	2336.43	177.42	184.22	7.80	184.39	2.42	1.05	MWD+GMAG	Noi
81	2383.41	1.30	312.00	29.17	2365.59	177.75	184.60	7.75	184.76	2.40	1.84	MWD+GMAG	Noi
82	2412.83	1.25	268.22	29.42	2395.01	177.77	184.81	7.18	184.95	2.23	0.99	MWD+GMAG	Noi
83	2421.16	0.95	126.31	8.33	2403.34	177.71	184.77	7.15	184.90	2.22	7.62	MWD+GMAG	Noi
84	2440.00	0.90	30.30	18.84	2422.17	177.81	184.80	7.35	184.95	2.28	2.23	Proj. to	TD

Company:

ESSO Australia Pty Ltd

Well:

WKF W12A

Field:

WEST KINGFISH

Rig:

ISDL 175

State:

Victoria

VISION Service

1:500 Measured Depth (Trip Out)

Recorded Mode Log

Schlumberger

9.875 in. Section

