HARVEY ROCK PHYSICS

Acrasia-2

Hires Composite Logs

Company	Stuart Petroleum - Beach Petroleum
Well	Acrasia-2
Field	Acrasia
Country	Australia
Nation	Australia
State	South Australia
County	ODE Rig 30
Location	Reg 810, Cross line 1360
Field Loc. 1 / Northing	Eastings: 498 438 M
Field Loc. 2 / Easting	Northings: 6 987 761 M
Latitude	027 13' 58.670" S DMS
Longtitude	140 59' 03.230" E DMS
Permanent Datum	MSL
Elevation	0.00 M
UWI / API NO.	ACRASIA_2
Elevations D.F.	39.62 M
Elevation R.T.	39.62 M
Elevations G.L.	38.10 M
Elev. Log Zero	39.62 M
Above Permanent Datum	39.62 M
Log Measured From	RT
Drill Measured From	RT
Other Services	DLL-MSFL-SP-CAL-GR, LDL-CNL-GR
Other Services Ln 1	CST-GR

Service company	SLB
Depth	2377 FT
Date Plotted	Tuesday, 1 November 2016
Time Plotted	7:05:03 AM

Run Information

Run Number	1									
Date	7-Jul-2002									
Depth Driller	2377.00 M									
Depth Logger	2379.00 M									
First Reading	2355.00 M									
Last Reading	45.00 M									
Casing Driller	713.00 M									
Casing Logger	717.50 M									
Casing Size	9.625 INCH									
Casing Weight	36.00 LB/FT									
Casing Depth	713.00 M									
Bit Size	8.500 INCH									
Hole Fluid Type	KCl / Polymer									
Density	8.950 LB/G									
Viscosity	40.00 SEC									
pH	9.5									
Fluid Loss	6.40 C3									
Sample Source	Mud Pit									
Rm @ Measured Temperature	0.456 OHMM									
Mud temp @ Surface	12.50 DEGC									
Rmf @ Measured Temperature	0.411 OHMM									
MF temp @ Surface	12.50 DEGC									
RMC @ Measured Temperature	0.568 OHMM									
MC temp @ Surface	13.00 DEGC									
Source Rmf	Pressed									
Source Rmc	Pressed									
Rm @ BHT	0.129 OHMM									
Rm temp @ Bottom	12.50 DEGC									
Rmf @ BHT	0.116 OHMM									
Rmf temp @ Bottom	12.50 DEGC									
Time Since Circulation	20:50									
Date circ. stopped	6-Jul-2002									
Tool on Bottom	5:40									
Date logger at btm	7-Jul-2002									
Surface hole temp	15.00 DEGC									
Bottom Hole Temperature	99.00 DEGC									
Surface temperature	15.00 DEGC									
Maximum Recorded Temperatu	99.00 DEGC									
Max recorded temp 1	99.00 DEGC									
Max recorded temp 2	99.00 DEGC									
Max recorded temp 3	99.00 DEGC									

Equipment No.	3170								
Base Location	QEA								
Logging Company ID	440								
Recorded By	J. Speed								
Witnessed By	L. Burgess								
Program Version	10C0-306								
Bore Hole Status	OPEN								
Avg Angular Deviat	0 DEG								
General.Temp Select	TEMP								
Maximum Hole Deviat	1.50 DEG								
Depth	2377.00 FT								
Temp Conn.Water Samp.	37.78 DEGC								
Magnetic Mark Depth Units	FEET								
Log Sequence	FIRST_LOG_IN_WEL								
Conveyance Type	WIRELINE								
Tension Device	CMTD-B/A								
IDW Calibration Cable Type	7-46P								
Rig Up Length at Bottom	0 M								
Rig Up Length at Surface	0 M								
Tension Device Offset	0								
Tension Device GAIN	1								
Reference Log Date (dd-Mmm-	dd-Mmm-yyyy								
Tension Device Calibration Date	dd-Mmm-yyyy								
IDW Calibration Date (dd-Mmm	dd-Mmm-yyyy								
IDW Type	IDW-B								
Reference Tension of the Cable	1000								
Maximum Permitted Depth Diffe	0.3048 M								
Job Events Auto Save	ALLOW								
SP Drift	0								
SP Next Value	0 MV								
Geothermal Gradient	0.018227								
Generalized Mud Resistivity Sel	HRM								
Rock Matrix for Neutron Porosit	LIME								
Generalized Caliper Selection	HCAL								
HILT: Power Up Status Words	32816								
Form Factor Exponent	2								
Form Factor Numerator	1								
Form Factor Porosity Source	DPHZ								
HILT Activate Data Reduction	NO								
HILT Nuclear Mud Type	NOBARITE								
HILT External Temperature	25 DEGC								
HILT effective Porosity Cutoff	5 V/V								
HILT Water Saturation from AIT	50 %								
HILT Neutron Salt detection	5 V/V								
HILT Density Salt detection	2.1 G/CC								
HILT Neutron Coal detection	45 V/V								
HILT Density Coal detection	2 G/CC								
HILT max porosity	35 V/V								
External Shale Indicator Clean	20								
External Shale Indicator Shale	150								
HILT Shale Indicator Selection	GR								
HRDD APS Activation Correctio	OFF								

HRDD Temperature Correction	ON								
HRDD Processing Mode	STDRES								
HRDD Depth Sampling Rate	1 INCH								
HRDD Density/Pe Algorithm Ver	2.6								
Density Hole Correction	BS								
Matrix Density	2.71 G/CC								
Fluid Density	1 G/CC								
MCFL B1 Contrast Correction C	3.2E-05 OHMM								
MCFL B0 Contrast Correction C	2.2E-05 OHMM								
MCFL High Contrast Correction	NO								
MCFL Processing Operation M	ON								
MCFL Resistivity Algorithm Vers	1.08								
Density Porosity Processing Mo	HIRS								
HGNS Centered/Eccentered	ECCENTERED								
Standoff Correction Option	NO								
Pressure/Temperature Correctio	NO								
Formation Salinity Correction O	NO								
Casing & Cement Thickness Co	NO								
Hole Size Correction Option	YES								
Mud Weight Correction Option	NO								
Mud Cake Correction Option	NO								
Borehole Salinity Correction Op	NO								
Standoff Distance	0 INCH								
Mud Correction	NATU								
Standoff Data Source	SOCN								
Borehole Fluid Type	WATER								
Accelerometer coefficients	0.9789								
Accelerometer Type (Manufactu	0								
Time of accelerometer calibratio	1025976340								
Accelerometer Month of Calibra	4								
Accelerometer Year of Calibrati	96								
Accelerometer Serial Number	365								
Accelerometer PROM Presence	PRESENT_DOWNHO								
Accelerometer Reference Temp	20 DEGC								
Digital Telemetry Module Downli	AUTOMATIC_								
Digital Telemetry Module Downli	AUTOMATIC_								
Digital Telemetry Cartridge Upli	AUTOMATIC_								
Digital Telemetry Cartridge Upli	350KBS								
Digital Telemetry Cartridge Upli	T5T7								
Telemetry Error Msg Report Inte	60 SEC								
Telemetry Status Report Interva	10 SEC								
Integrated Hole Volume Caliper	LCAL								
Integrated Hole Volume Control	SNAP								
Resistivity of Connate Water	1 OHMM								
Borehole Salinity	24500 PPM								
Header Identifier	PEX-HALS-BHC								
Header Identifier Line 2	1:200								
Header Legal Disclaimer	INCLUDE								
Range Label	Range								
Township Label	Township								
Section Label	Section								
County	Rig:								

State/Province Label	State:									
Depth Logging Mode	MEASURED_DEPTH									
Flush depth-delayed streams to	NO									
Use alternate depth channel for	NO									
Depth Offset for Playback	1.8 M									
Playback Processing	NORMAL									
Simulated Logging Speed	1800 FT/HR									
Logging Cable Length	7315 M									
Acquisition Environment	FTB_TELEMETRY									
HRDD Pile-Up Correction	NOT_APPLY									
HRDD Dead Time Correction	APPLY									
HMCA: Cable Head Tension So	NO_HTEN									
Cumulated Hole Volume	0 M3									
Cumulated Cement Volume	0 M3									

Comments Added by HRP
Casing and tool pickups removed for all open hole log data
GR re-scaled in casing
SP normalise and drift corrected

Acrasia_2_Raw:
Cl= 11000 kppm, K+= 13500 kppm
Additional mud data:
Maximum temperture is 99 degC, taken from thermometers inside logging head (approx 21m above TD)
Sonic cycle skipping close to casing shoe due to large washout zone
Resistivity and sonic curves only logged to casing, GR logged to surface
Repeat section logged from 2140-2000 m
Resistivity curves at TD are saturated due to caliper opening.
Toolstring run as per tool sketch, short-axis dual bowspring used, standoffs 1.5 in
Strech correction made at TD of 1.7 m.
This is the first run in hole, Schlumberger depth procedures applied.

Log Description

GR	Gamma Ray
BS	Bit Size
CALI	Caliper
SP	Spontaneous Potential
LLD	Laterolog Deep Resistivity
LLS	Laterolog Shallow Resistivity
RXOZ	Micro Resistivity
RHOB	Density
NPHI	Neutron Porosity (Limestone Matrix)
DT	Compressional Sonic
PEF	Photo Electric Factor
DRHO	Density Correction
RT	True Formation Resistivity

0.0	GR (API)	200.0	DEPTH M 1:500	0.2	LLD (OHMM)	2000.0	1.95	RHOB (G/C3) 2.95
6.0	BS (INCH)	26.0		0.2	LLS (OHMM)	2000.0	0.45	NPHI (V/V) -0.15

6.0 CALI (INCH) 26.0
-20.0 SP (MV) 80.0

0.2 RXOZ (OHMM) 2000.0
0.2 RT (OHMM) 2000.0

140.0 DT (US/F) 40.0
0.0 PEF (B/E) 10.0

-0.25 DRHO (G/C3) 0.25

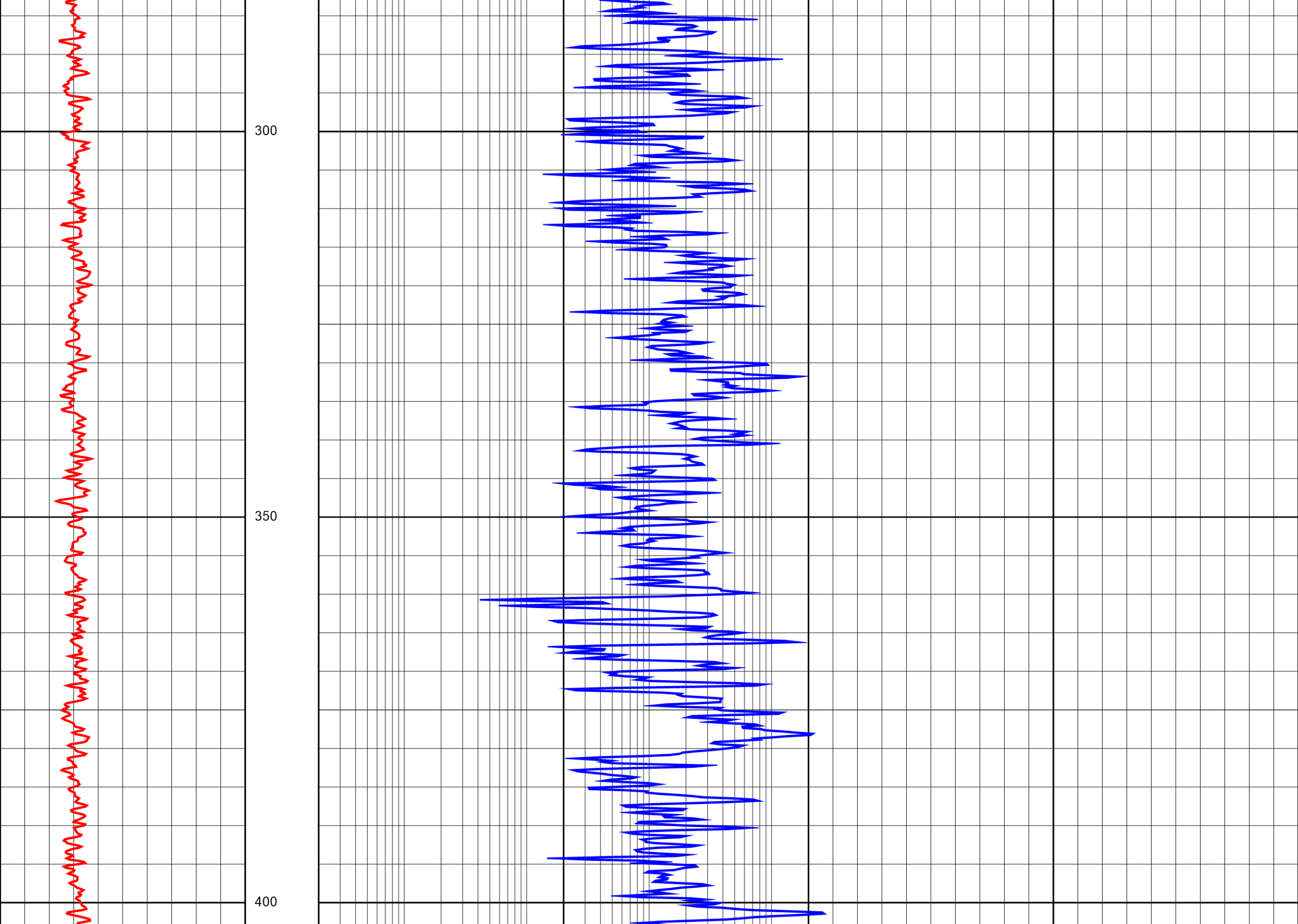
50

100

150

200

250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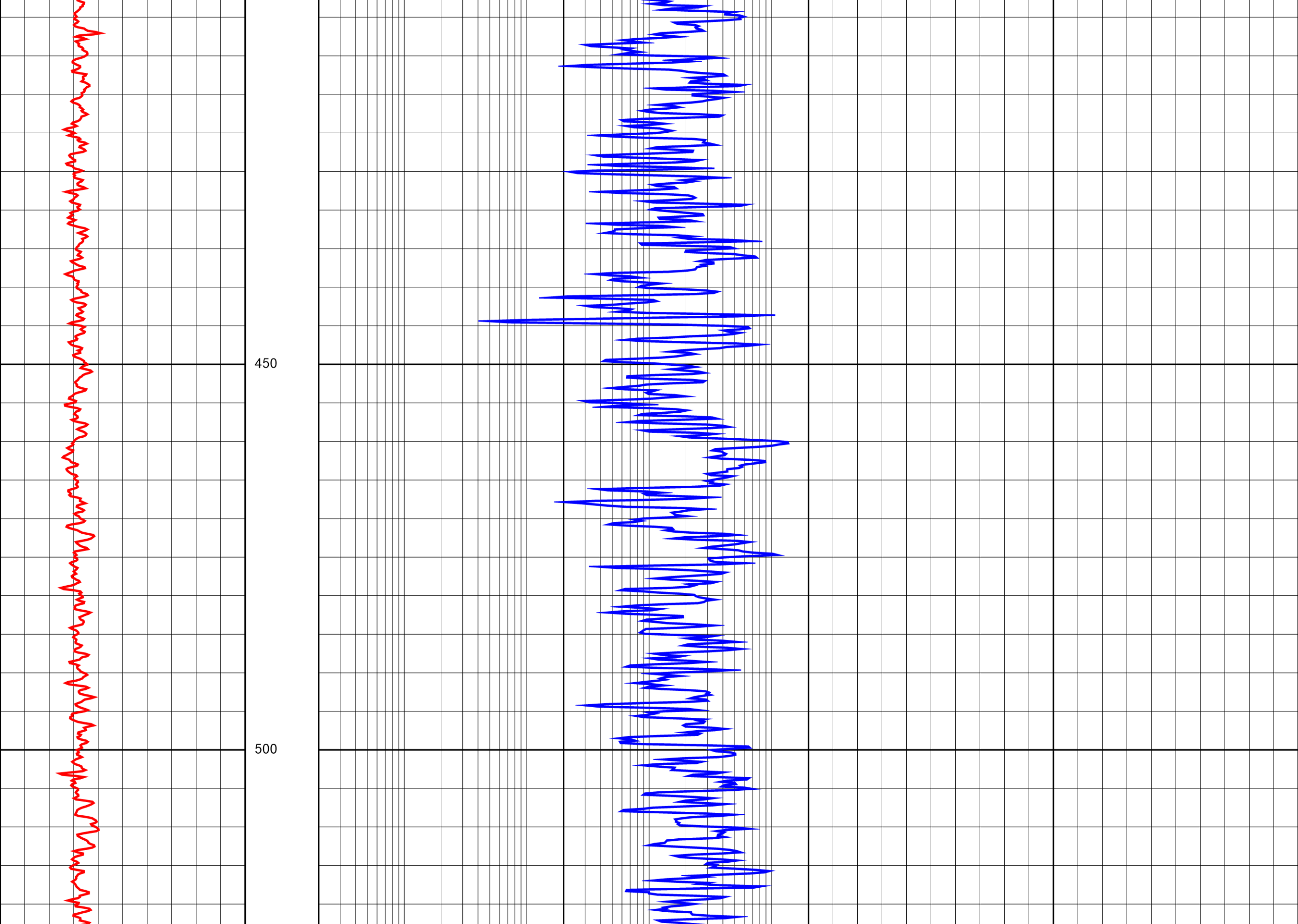
350
400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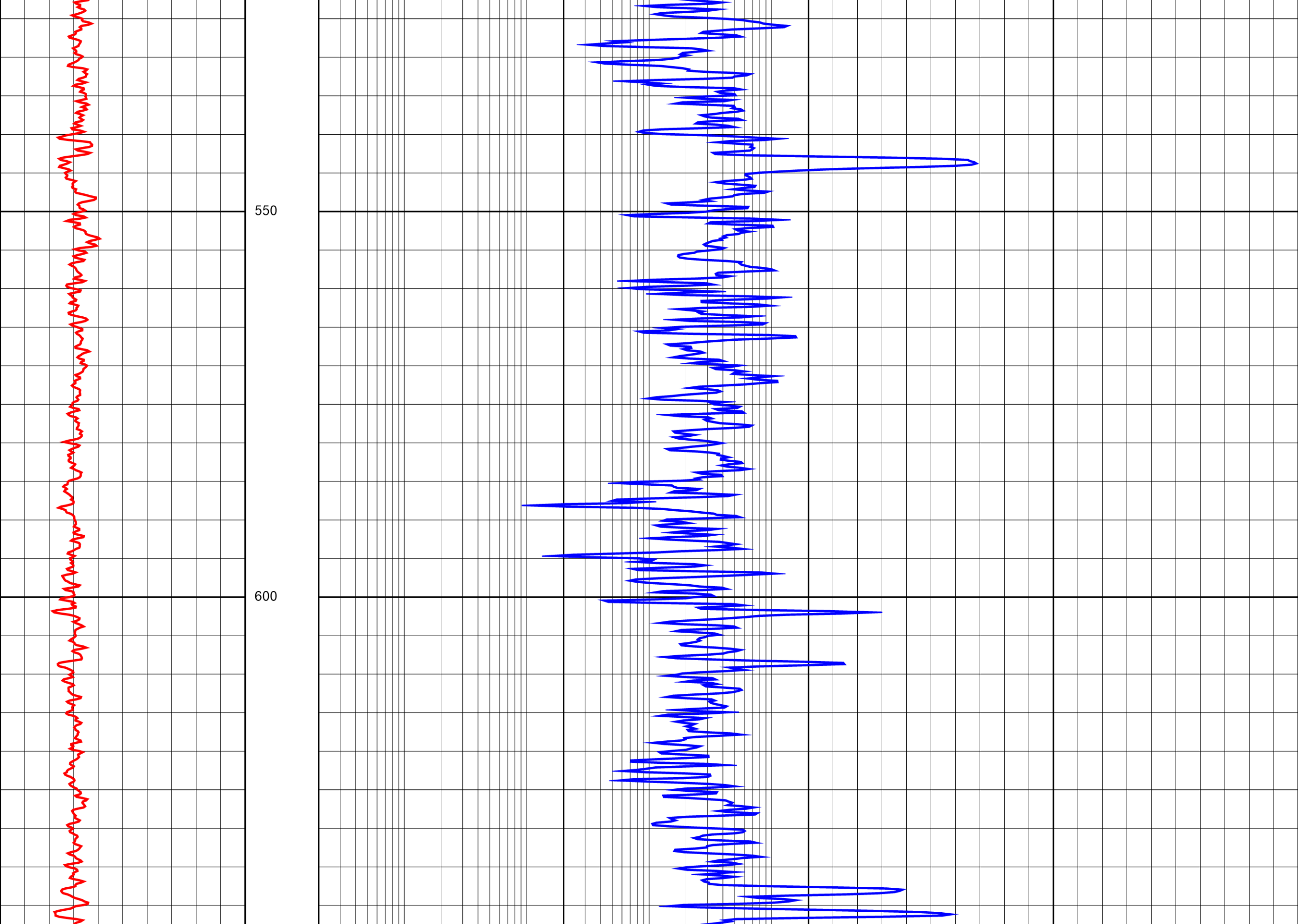
500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600

650

700

750

800

850

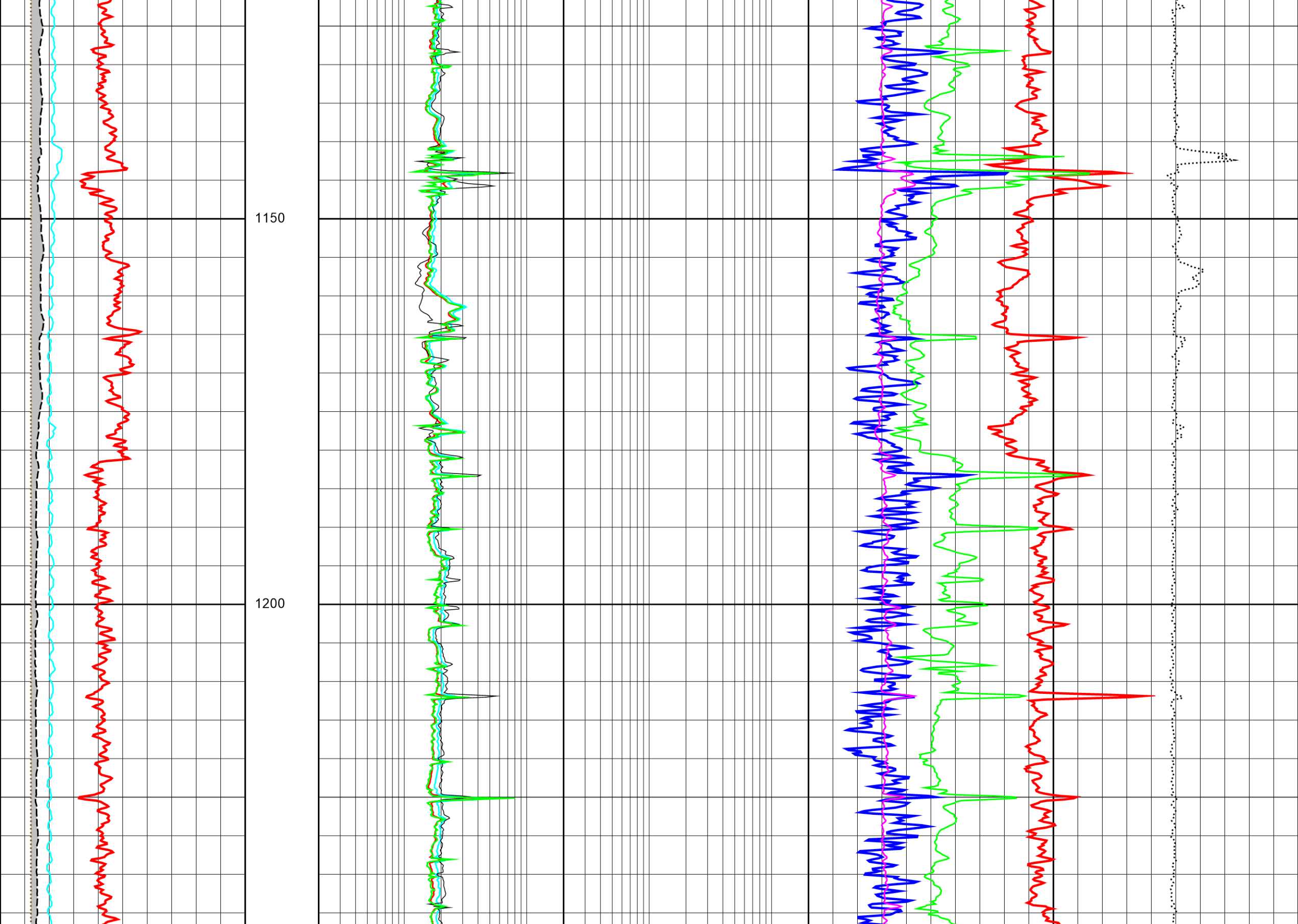
900

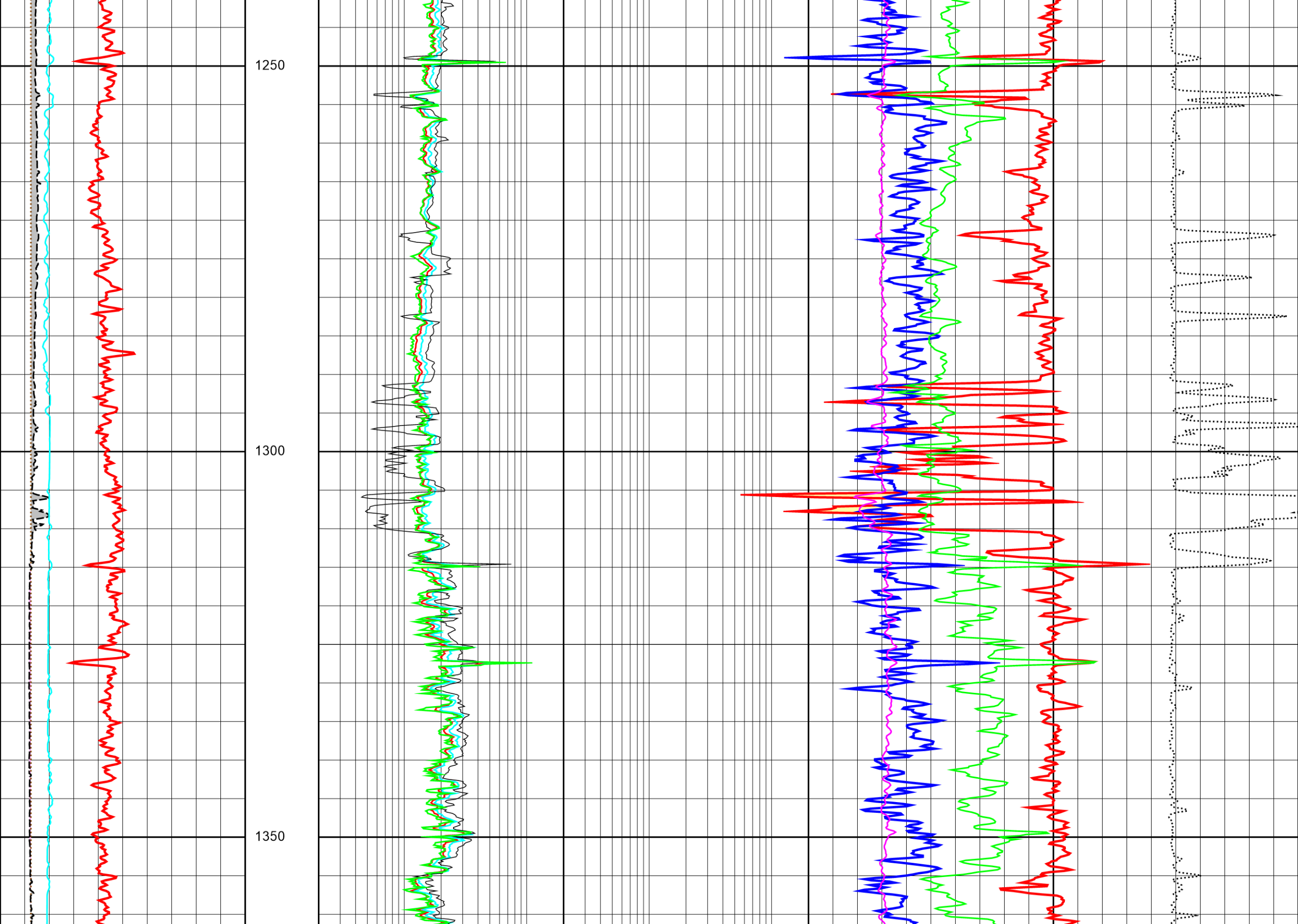
950

1000

1050

1100


1150
1200


1250
1300
1350

1400

1450

Cadna-owie Fm

1500

1550

Murta Fm

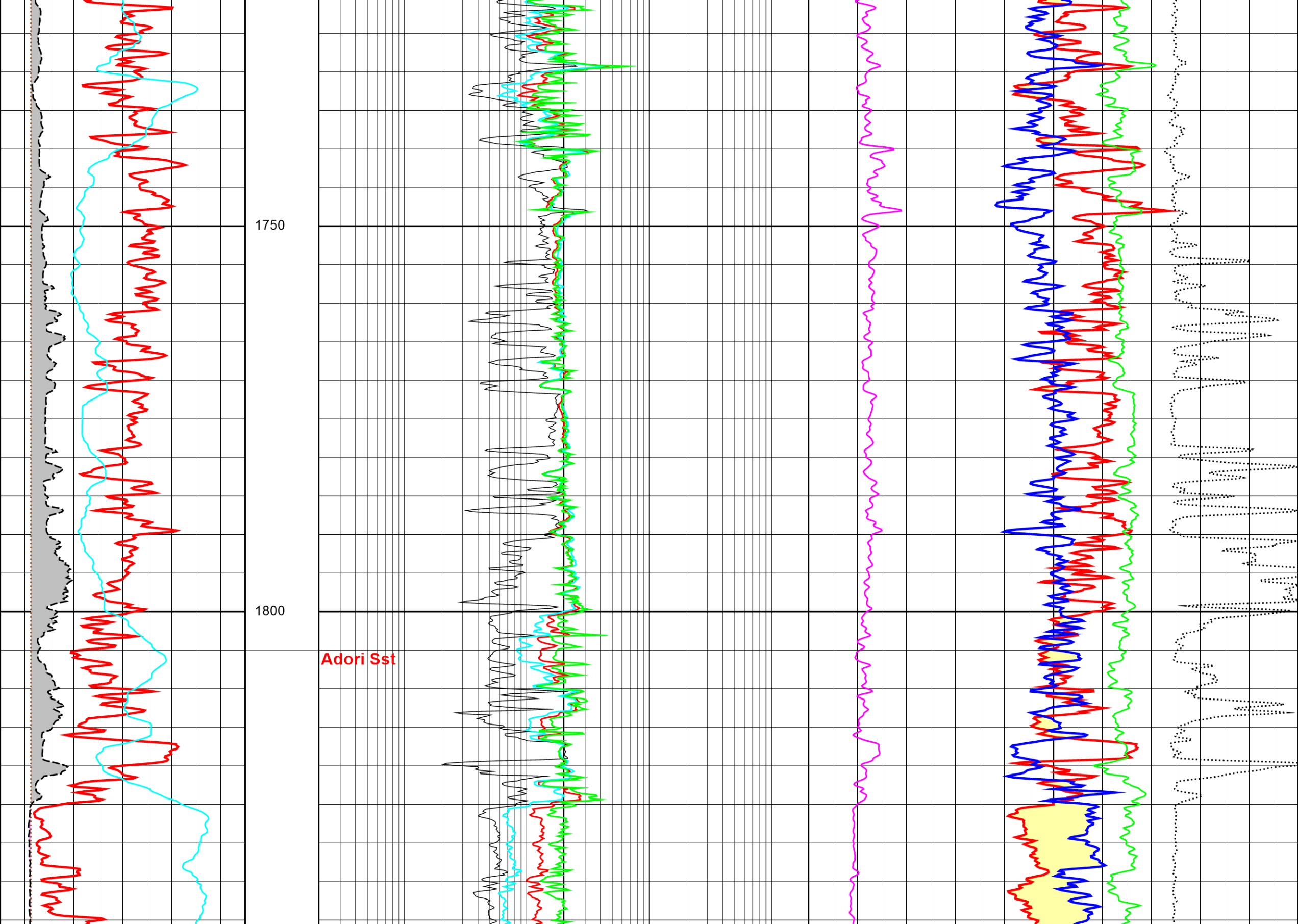
1600

Namur Sst

1650

1700

Westbourne Fm


1750
1800
Adori Sst

Birkhead Fm

1850

1900

Hutton Sst

1950

2000

2050

2100

Poolowanna Fm

2150

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2200

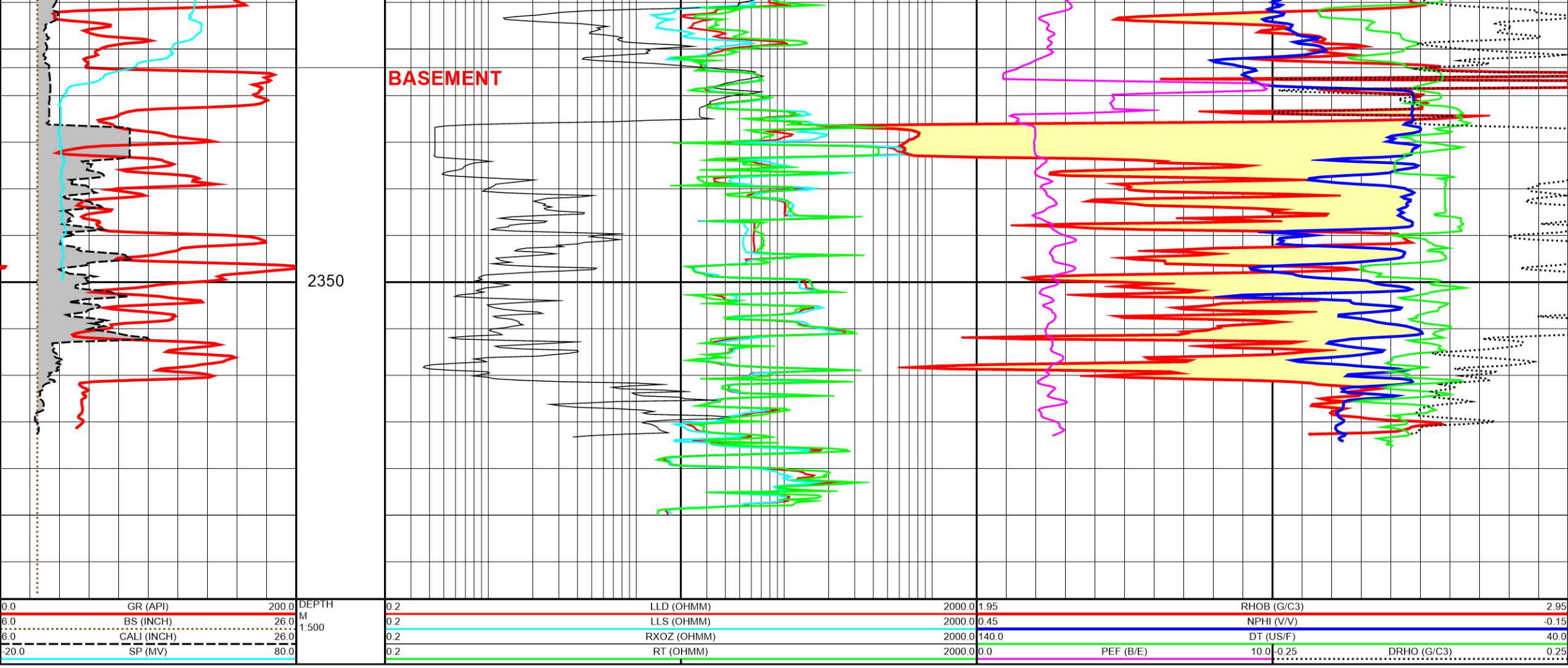
2200

Wimma Sst Mbr

2250

Paning Mbr

2300



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-20.0	SP (MV)	80.0		0.2	RT (OHMM)	2000.0	0.0	PEF (B/E) 10.0	-0.25 DRHO (G/C3) 0.25