



# COMPOSITE LOG

Company VAL ENERGY, INC  
 Well HOUSE RANCH # 3-30  
 Field WILDCAT  
 County COWLEY State KANSAS

Location: API #: 15-035-24793-00-00  
 SW NE NE NW  
 590' FNL & 3045' FEL  
 SEC 30 TWP 33S RGE 6E  
 Permanent Datum GL Elevation 1299  
 Log Measured From KB  
 Drilling Measured From KB  
 Other Services  
 DIL, CDLN  
 MICRO  
 Elevation  
 K.B. 1308  
 D.F. 1307  
 G.L. 1299

Date	12-9-2023
Run Number	ONE
Depth Driller	3350
Depth Logger	3347
Bottom Logged Interval	3345
Top Log Interval	SURFACE
Casing Driller	8.625" @ 300
Casing Logger	8.625" @ 300
Bit Size	7.875"
Type Fluid in Hole	MUD
Density / Viscosity	9.5 / 65
pH / Fluid Loss	10.5 / 5.6
Source of Sample	PIT
Rm @ Meas. Temp	2.6 @ 70
Rmf @ Meas. Temp	2.08 @ 70
Rmc @ Meas. Temp	3.12 @ 70
Source of Rmf / Rmc	CALCULATED
Rm @ BHT	1.56 @ 109
Time Circulation Stopped	5:30 PM
Time Logger on Bottom	7:00 PM
Maximum Recorded Temperature	109
Equipment Number	OW2
Location	HOMINY, OK
Recorded By	SHELDON TYLER
Witnessed By	MR. WOLFE

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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

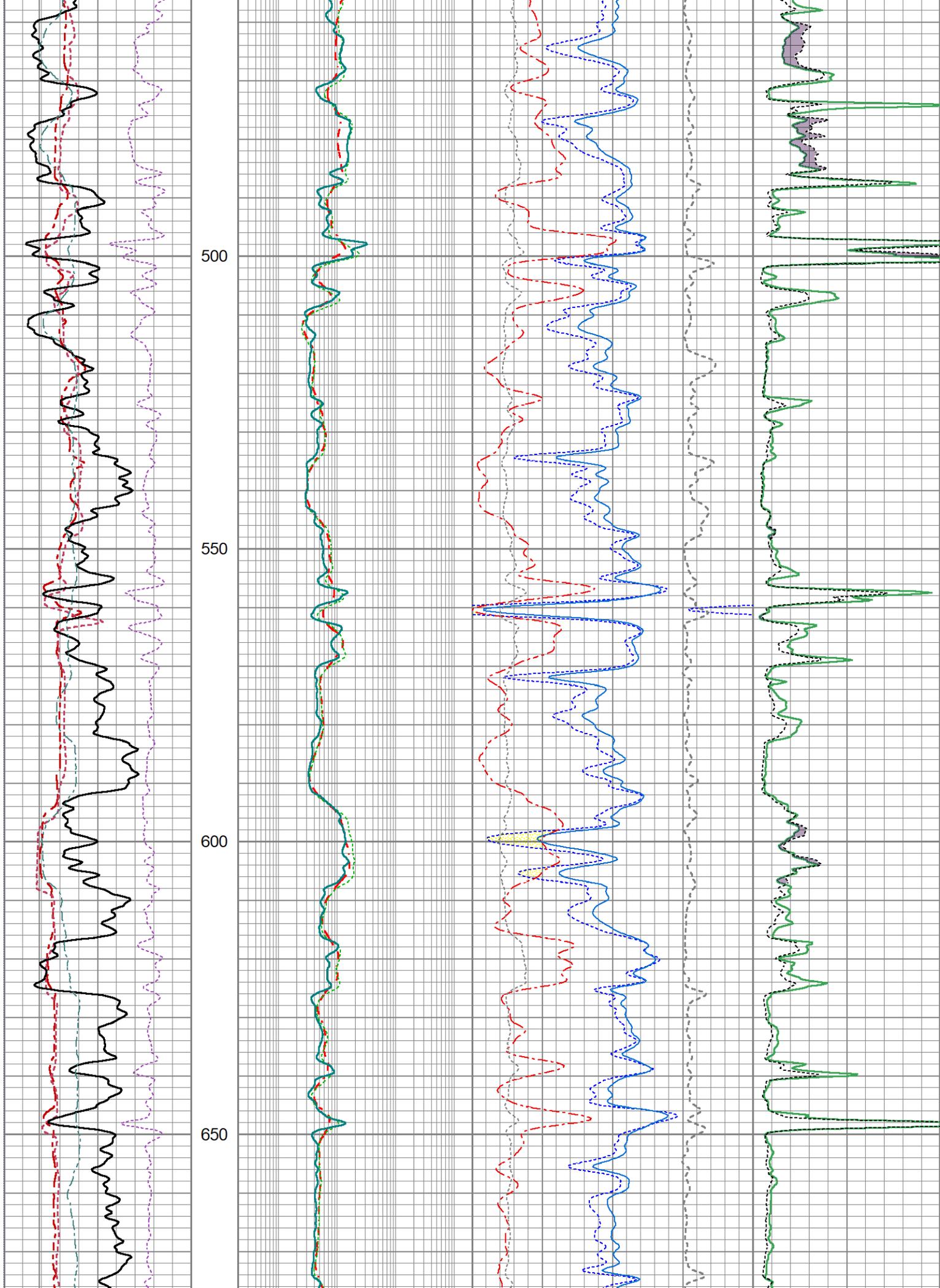
### Comments

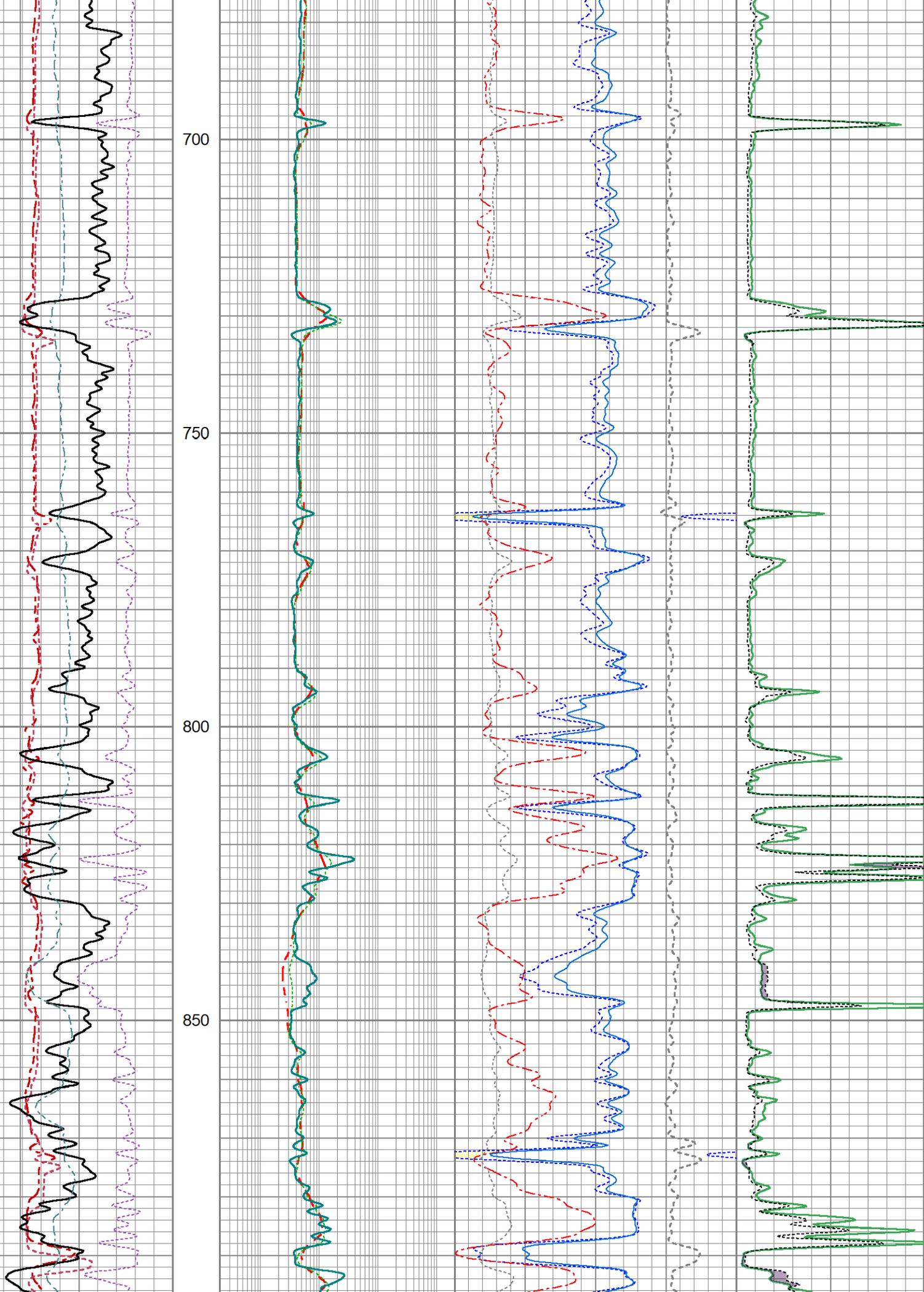
FILE # OW2-9243 VAL ENERGY  
 KIDD, LUND, WEEKS  
 THANK YOU FOR USING OSAGE WIRELINE

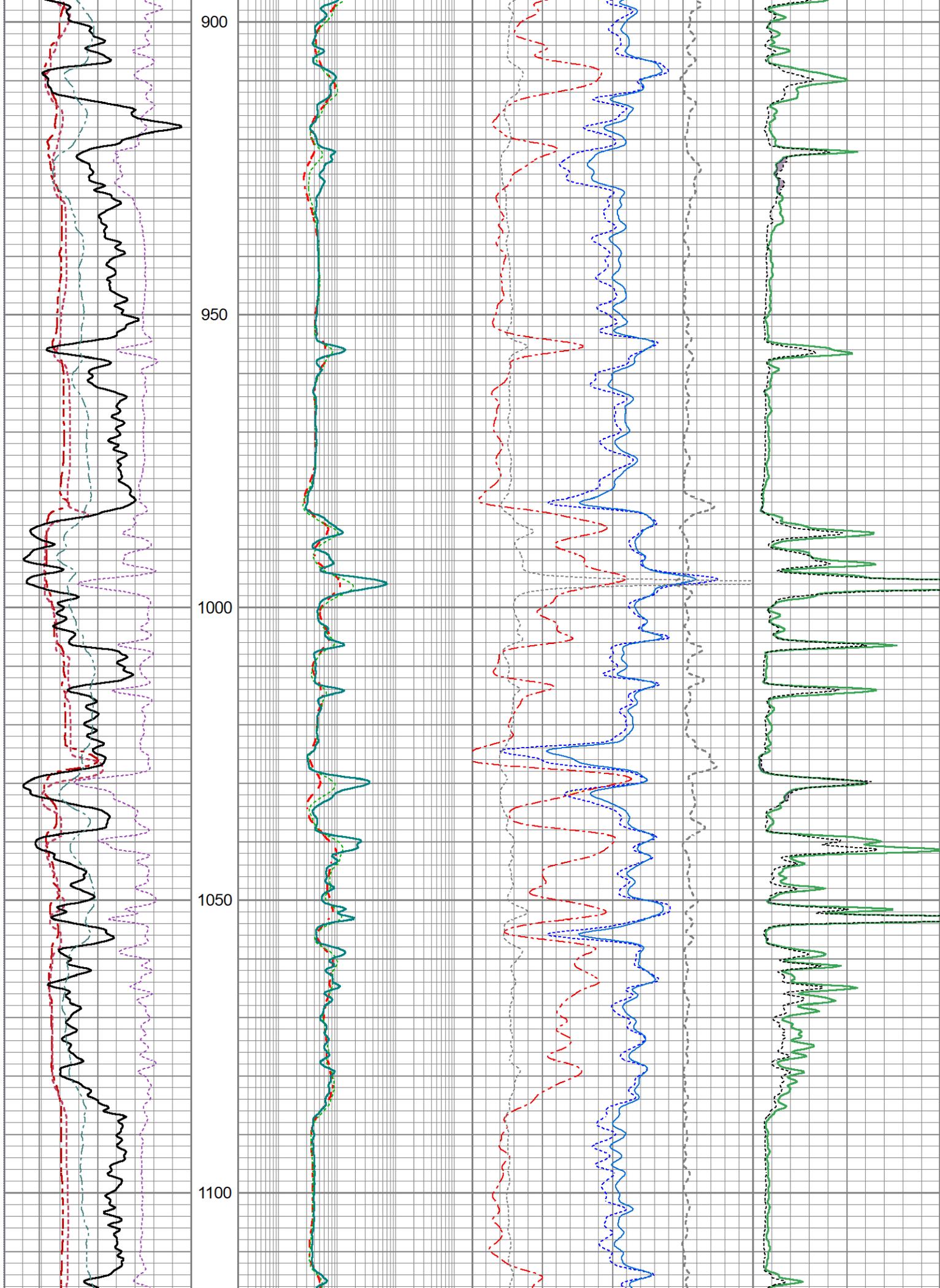


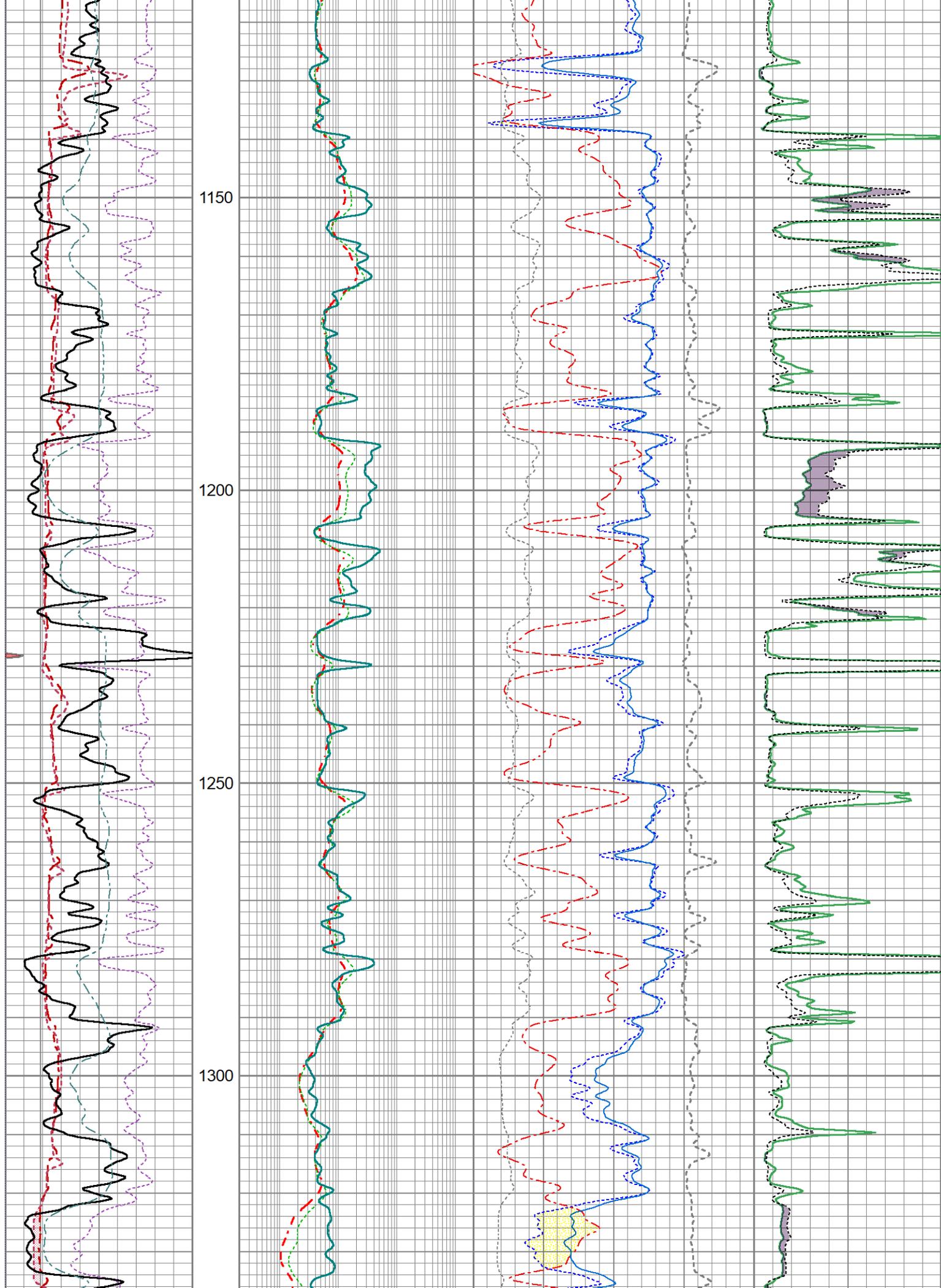
# 5" COMPOSITE LOG

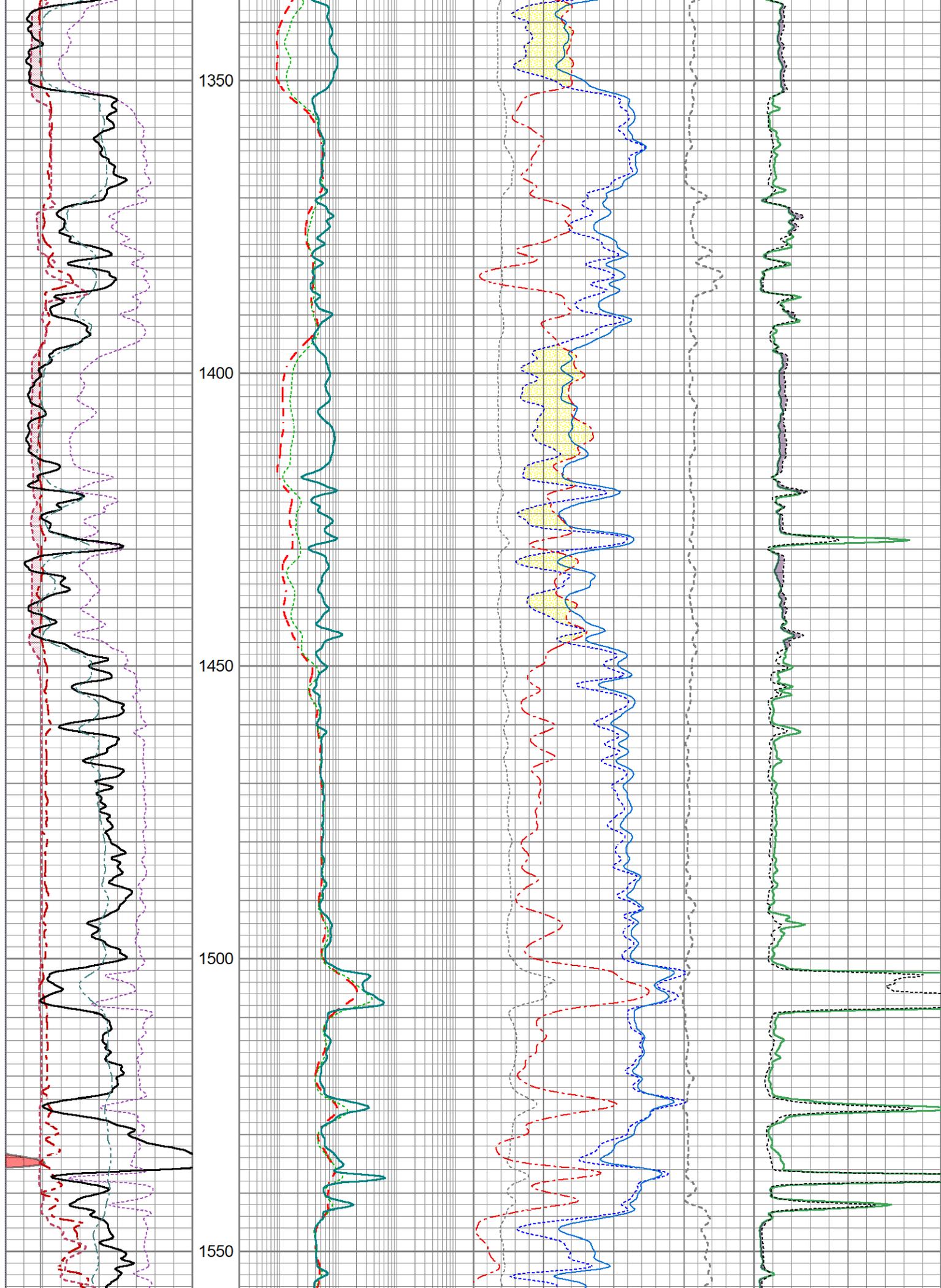


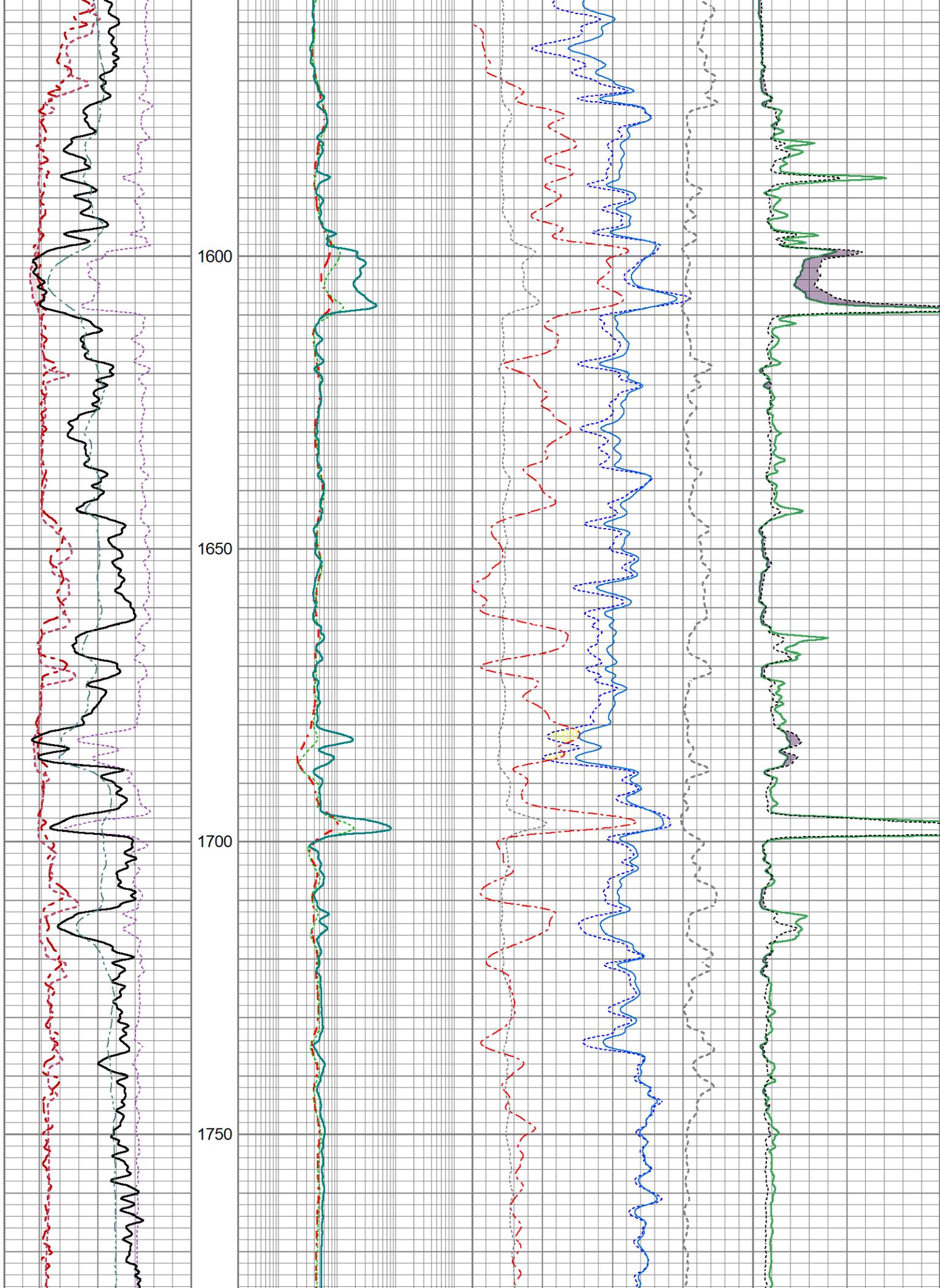


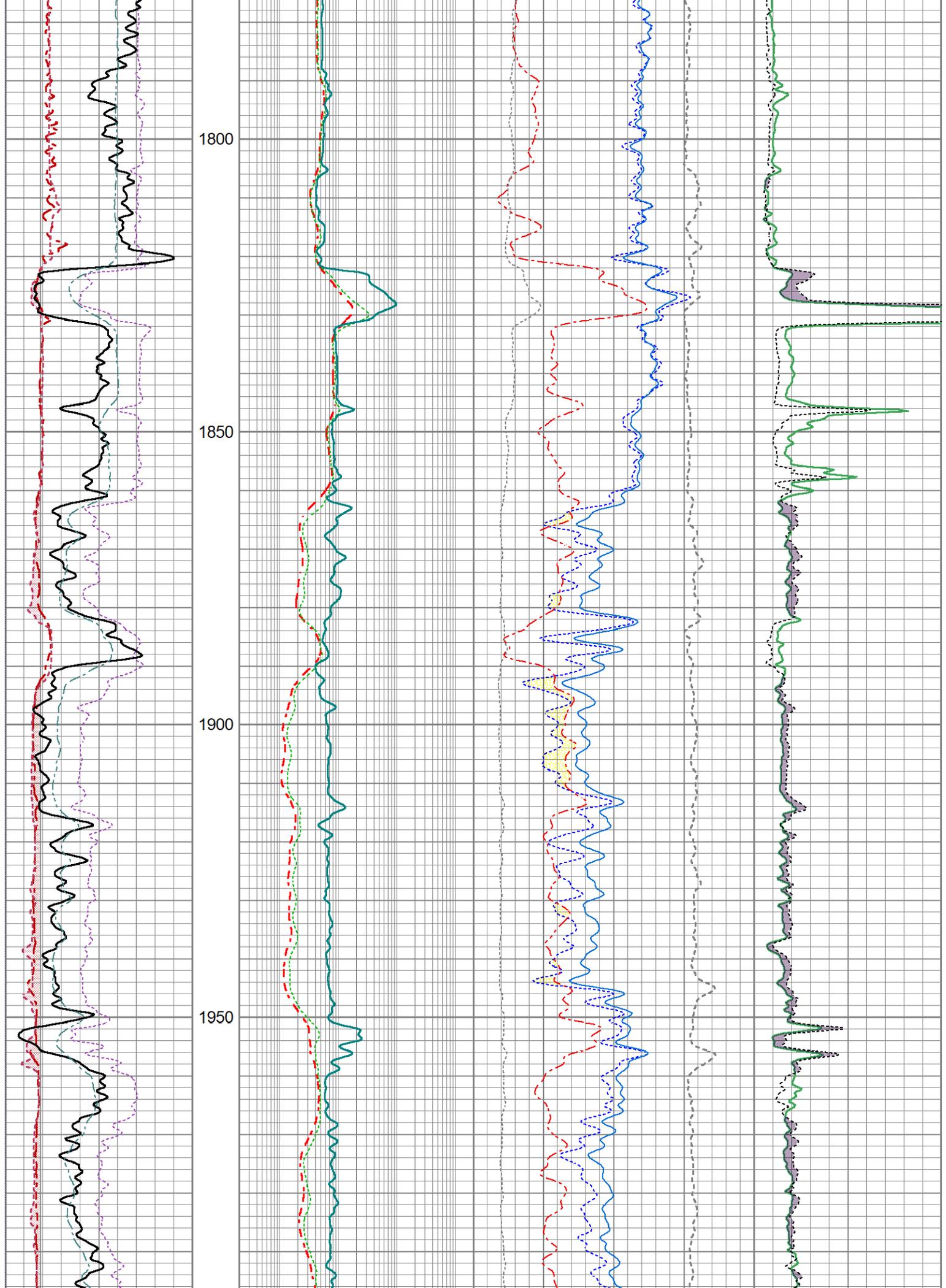




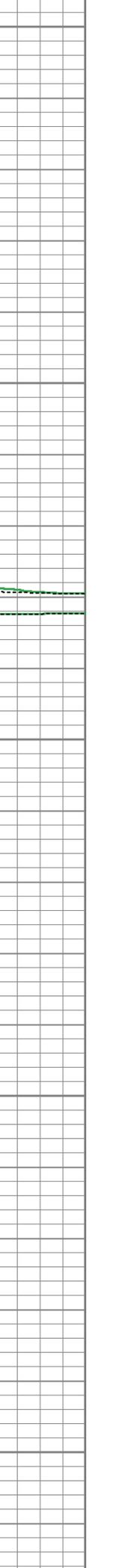
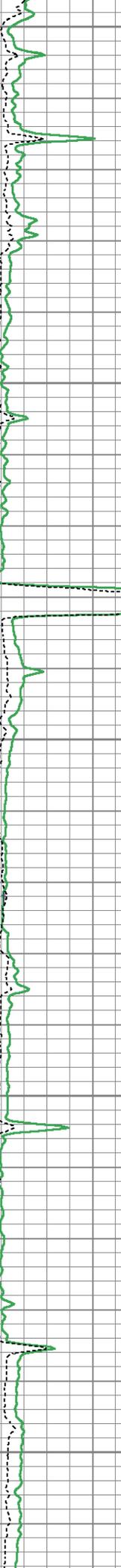
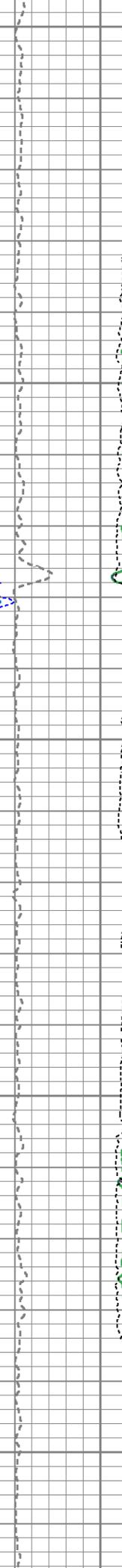
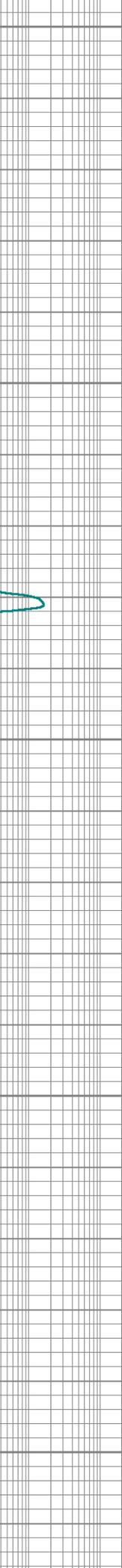
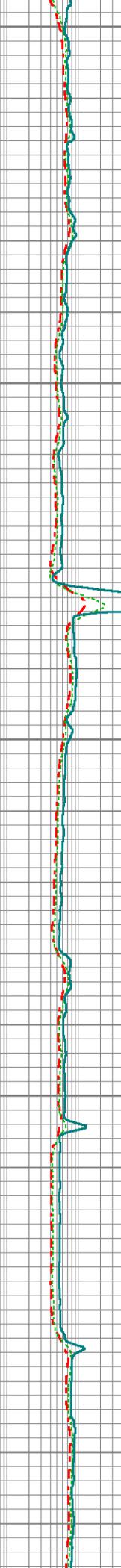
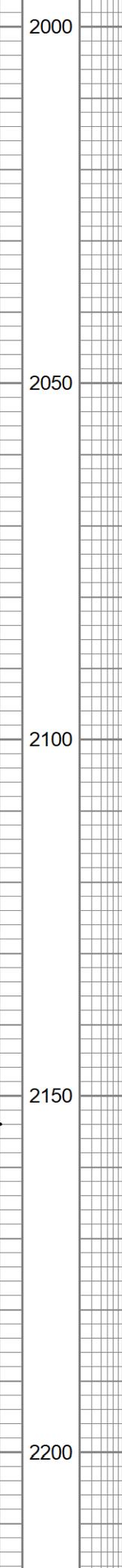
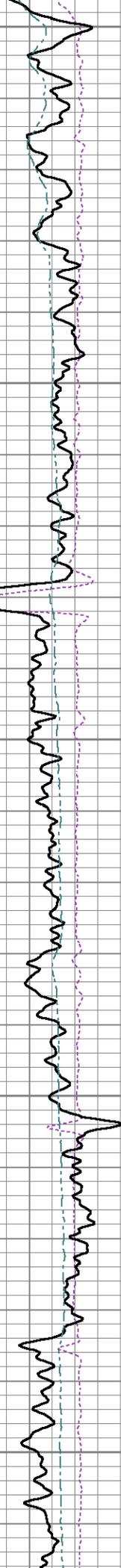


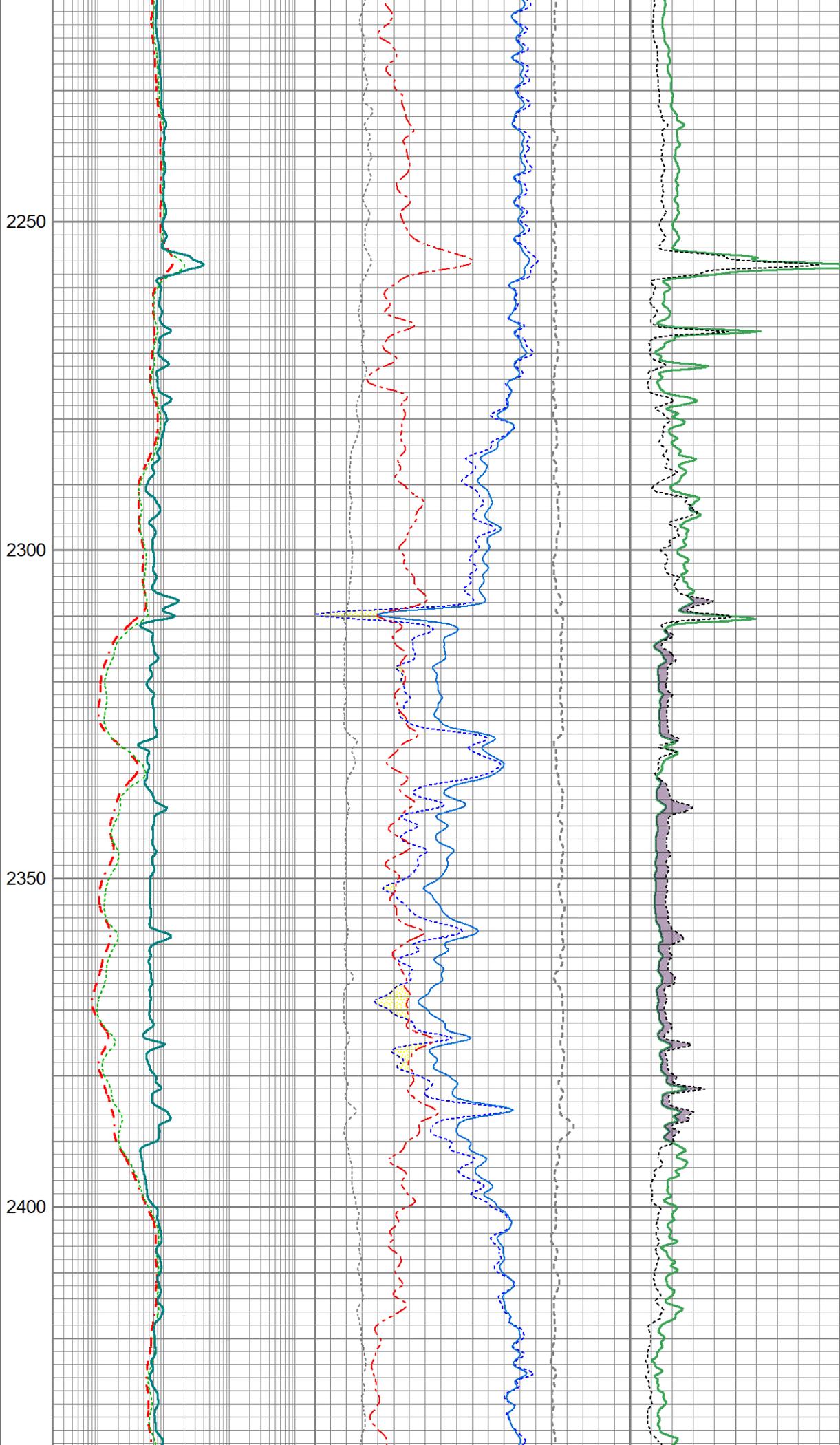






2000  
2050  
2100  
2150  
2200



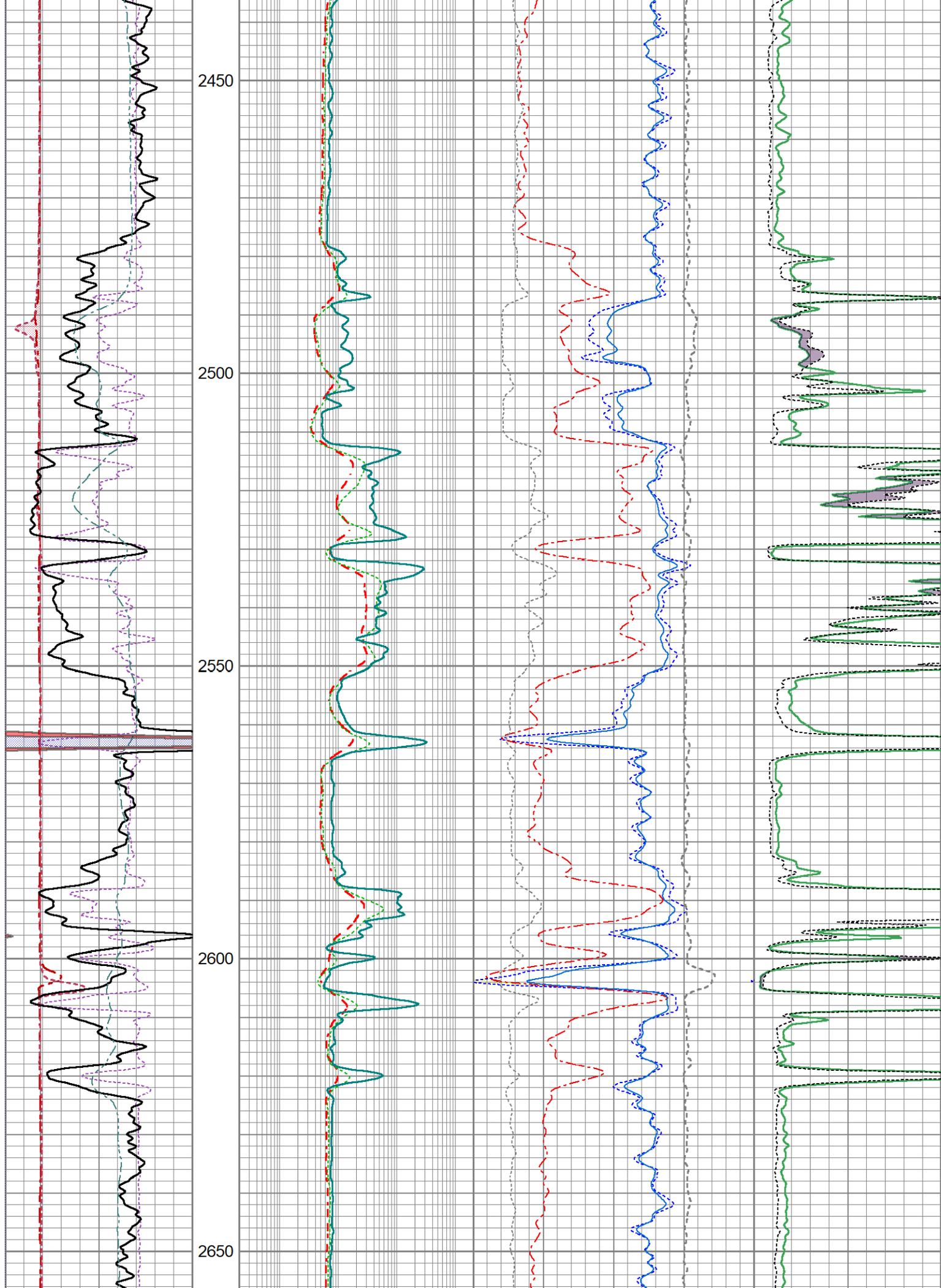


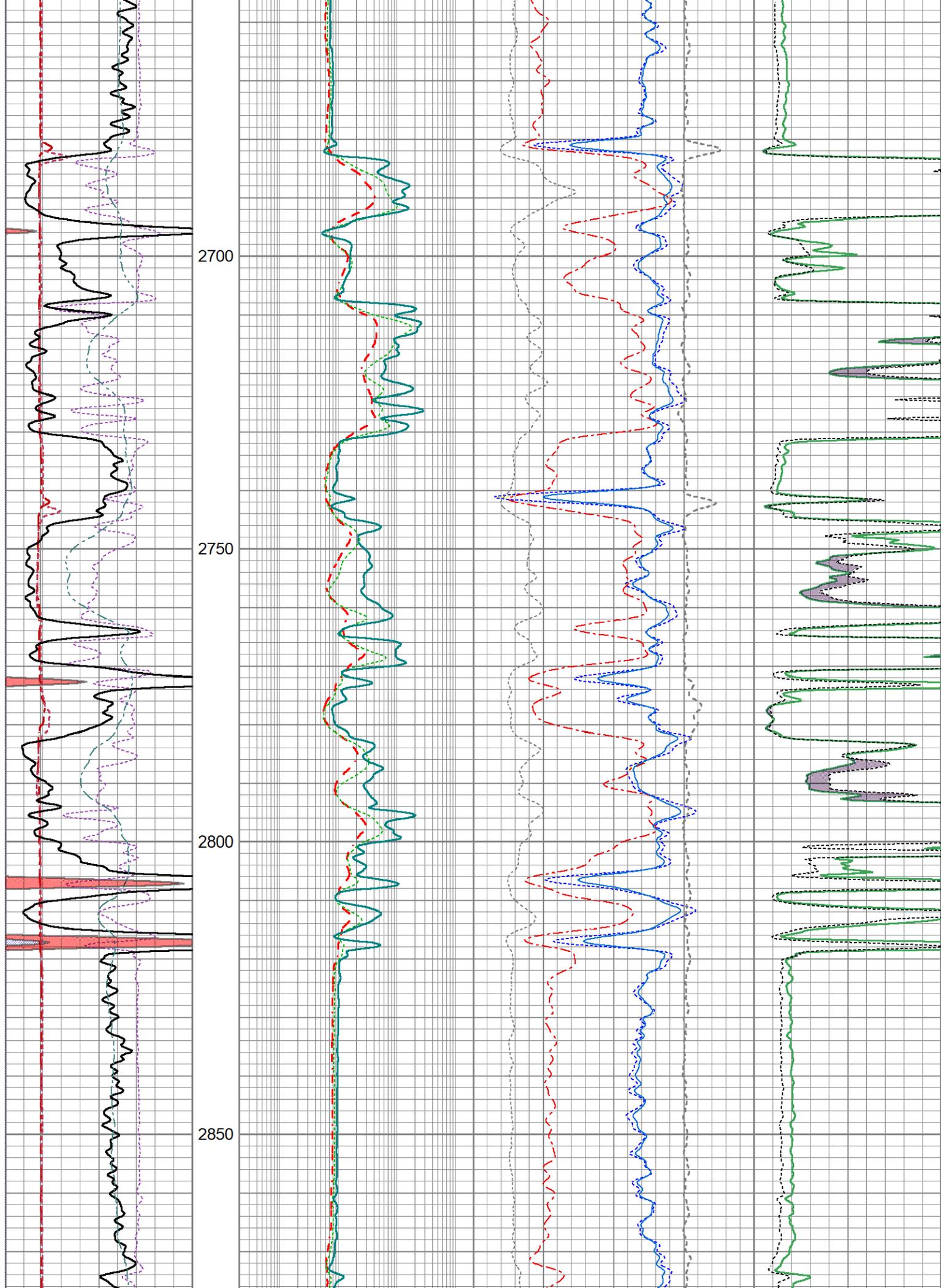
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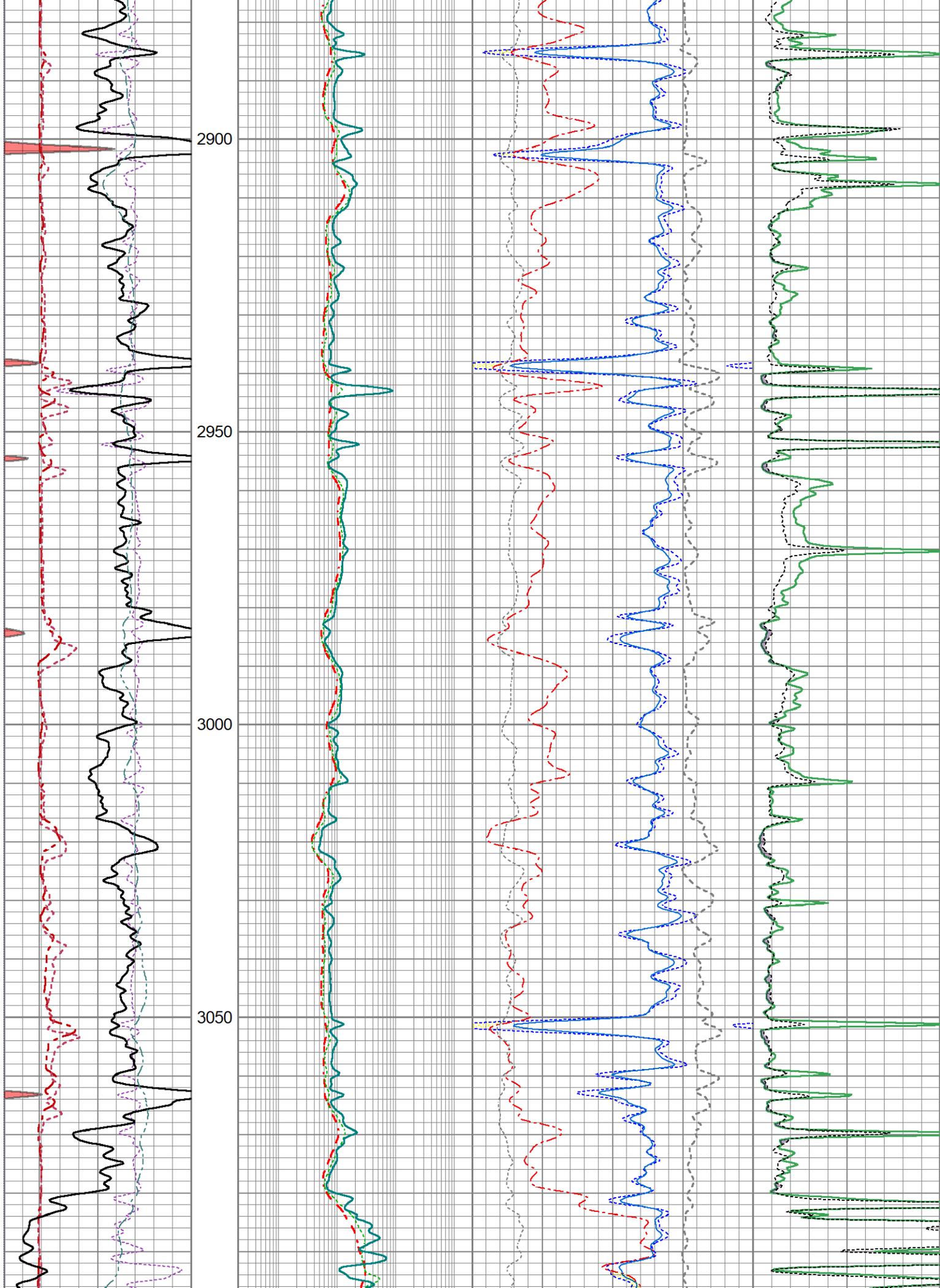
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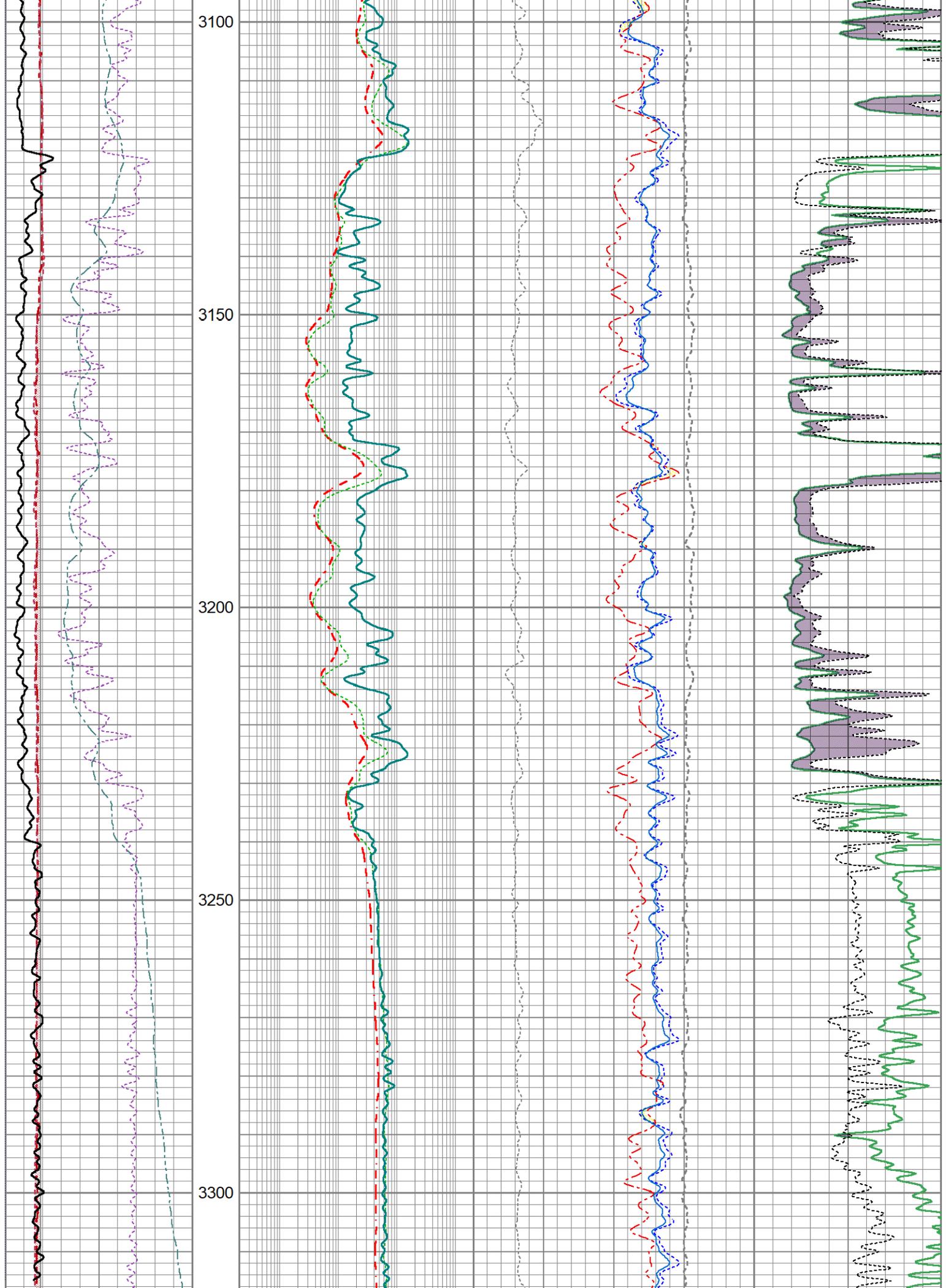
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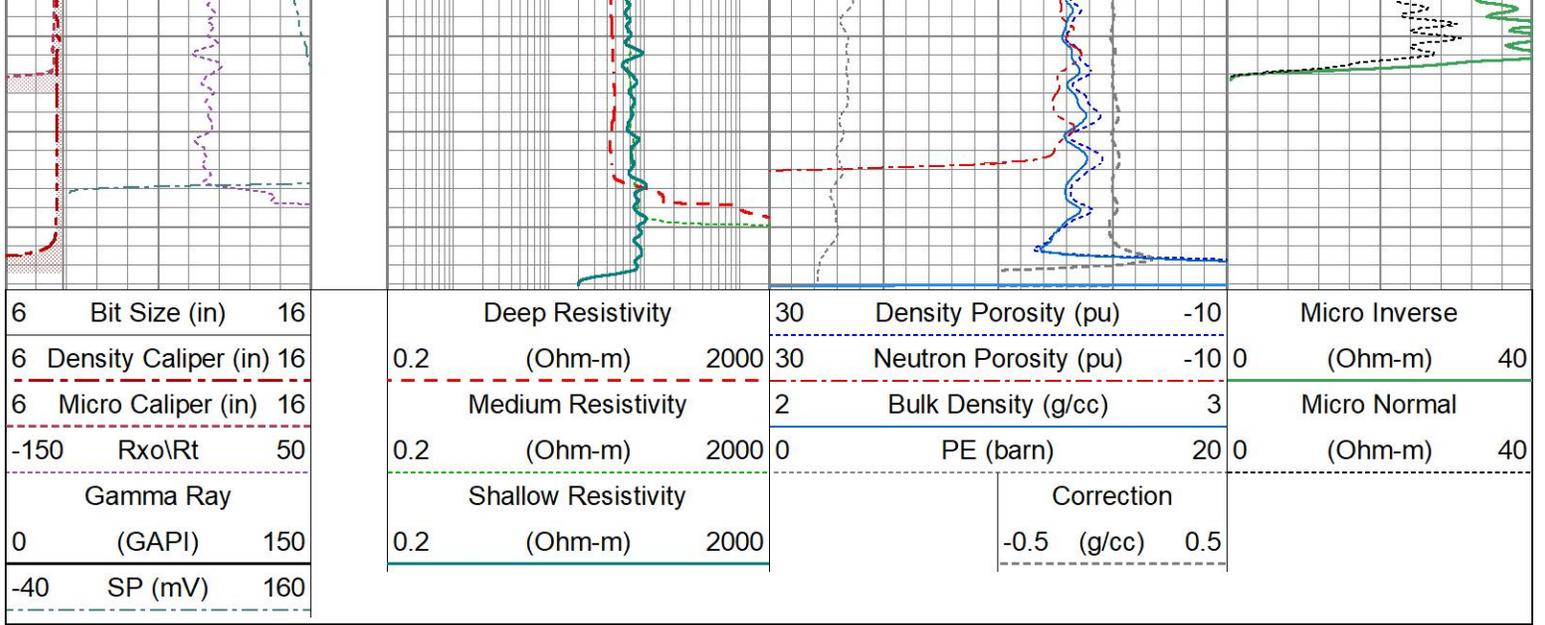
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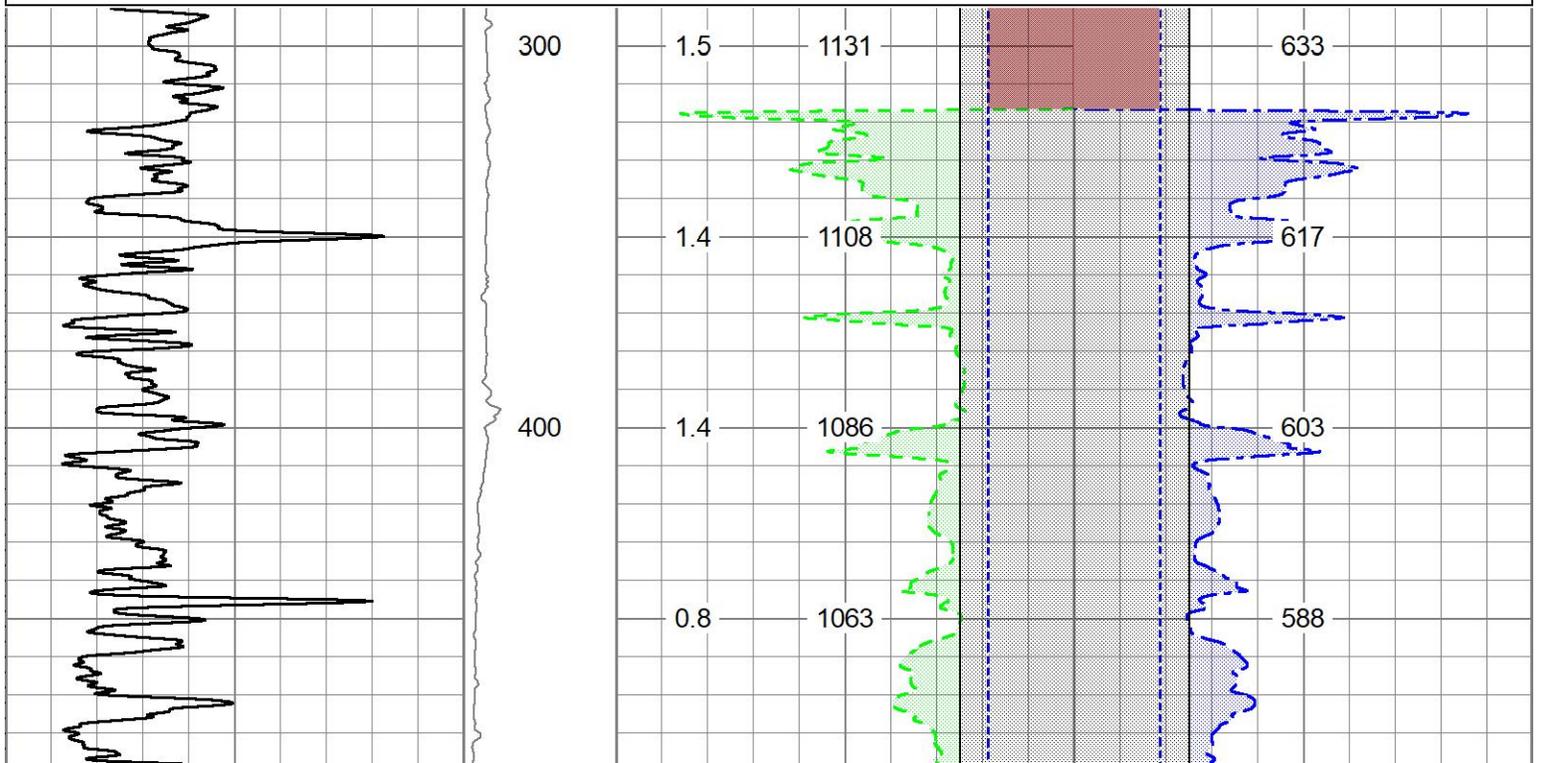


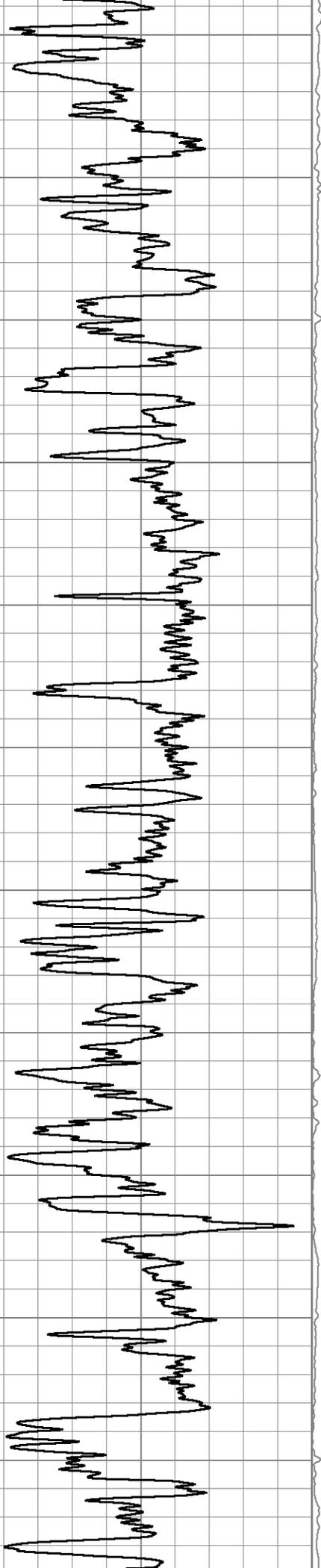


# 2" BHV/DEVIATION LOG

Database File ow2-9243 val energy.db  
 Dataset Pathname pass2.10  
 Presentation Format st\_bhv\_micro\_6-16  
 Dataset Creation Sat Dec 09 20:04:15 2023  
 Charted by Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	DEVI	16	Micro Caliper (in)	6	6	Micro Caliper (in)	16		
2000	LTEN (lb)	500	0	(deg)	10	16	6	Bit Size (in)	16		
				CASEOD 5.5" (in)				CASEOD 5.5" (in)			
				DEVI (deg)	TBHV (ft3)					ABHV (ft3)	





500

600

700

800

900

1000

0.6

0.5

0.8

0.3

0.4

0.1

0.3

0.1

0.2

0.5

0.7

1039

1014

992

972

951

931

910

890

869

847

824

573

556

542

531

518

506

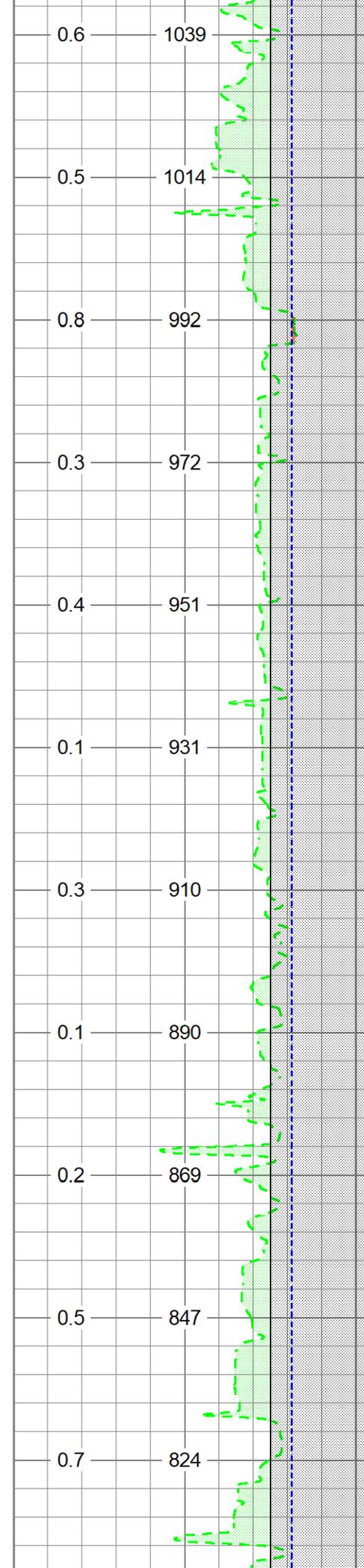
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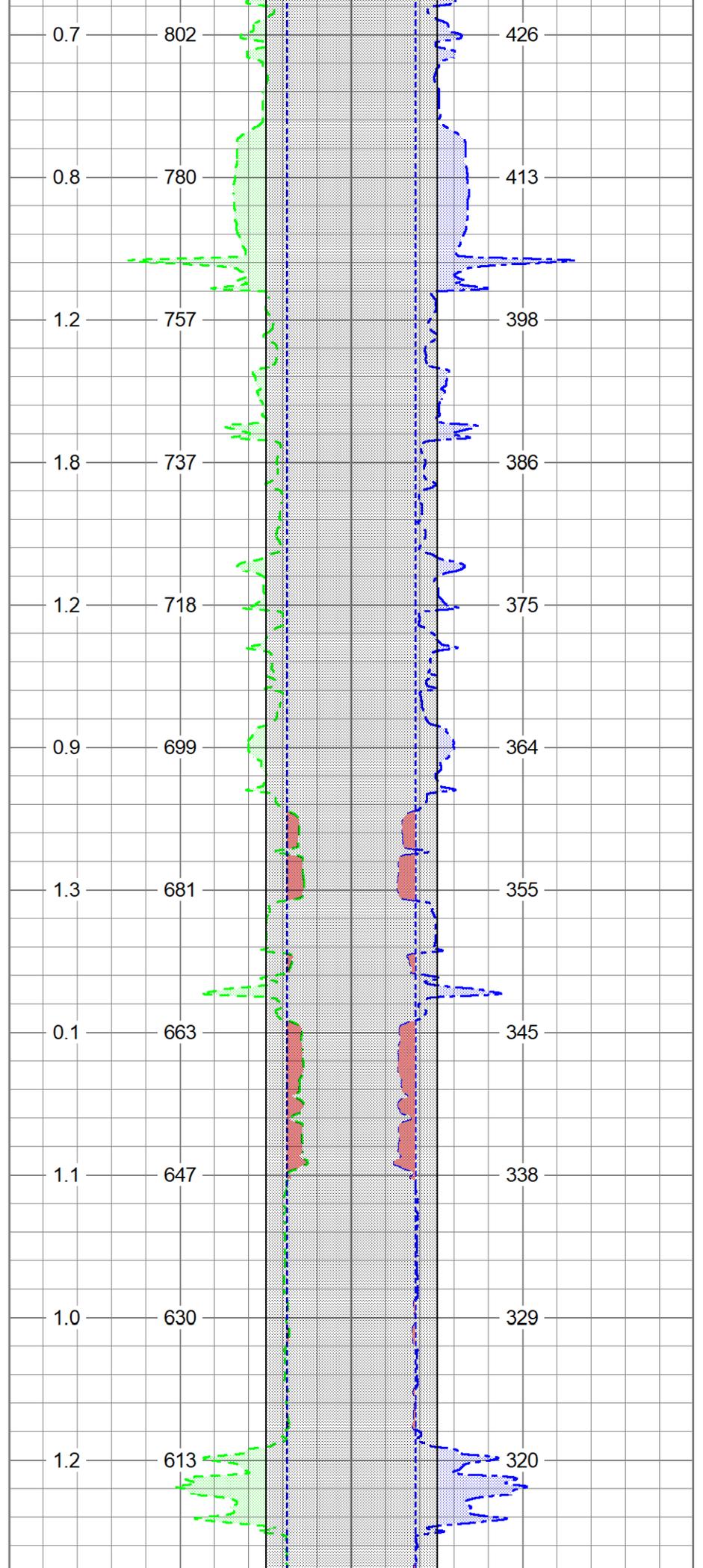
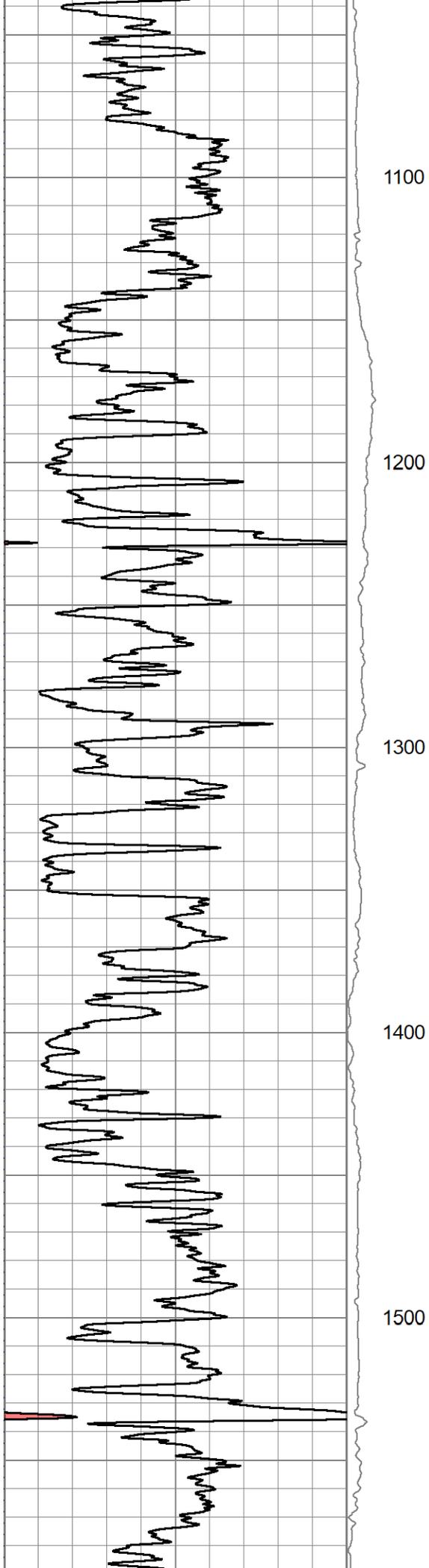
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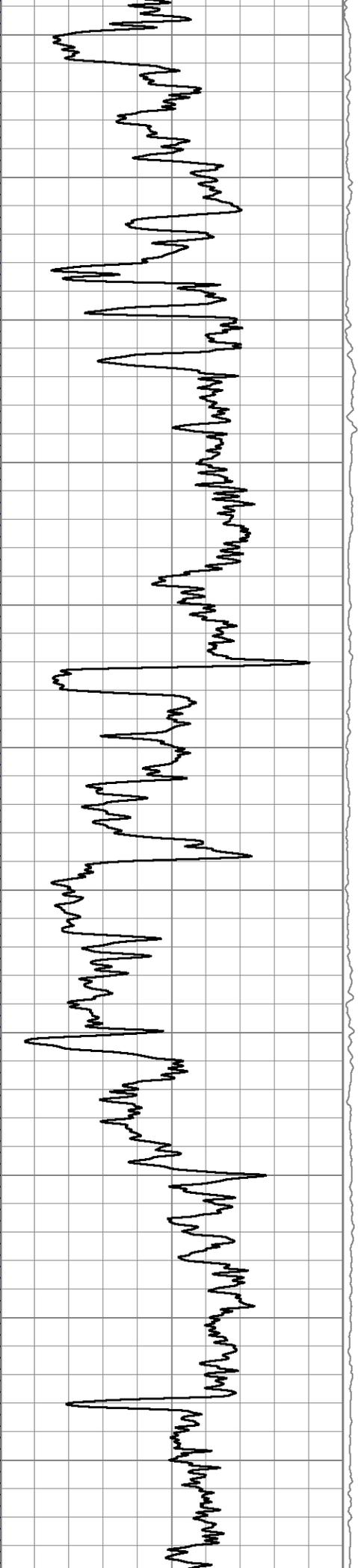
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455

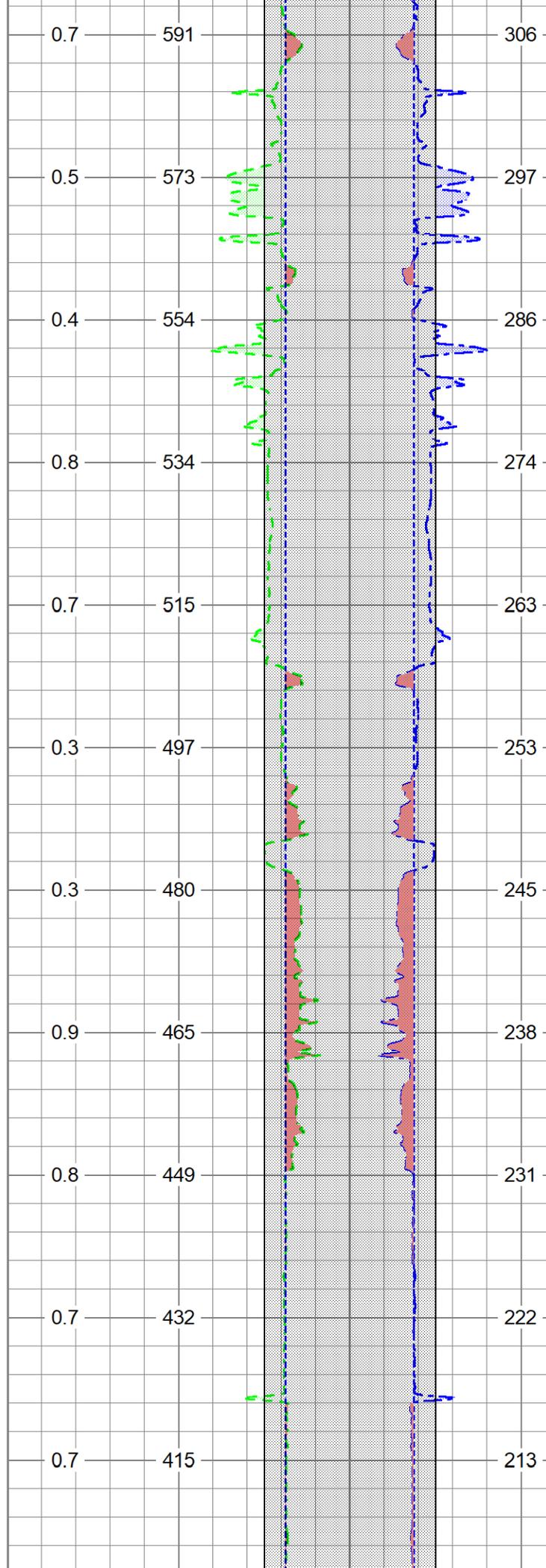
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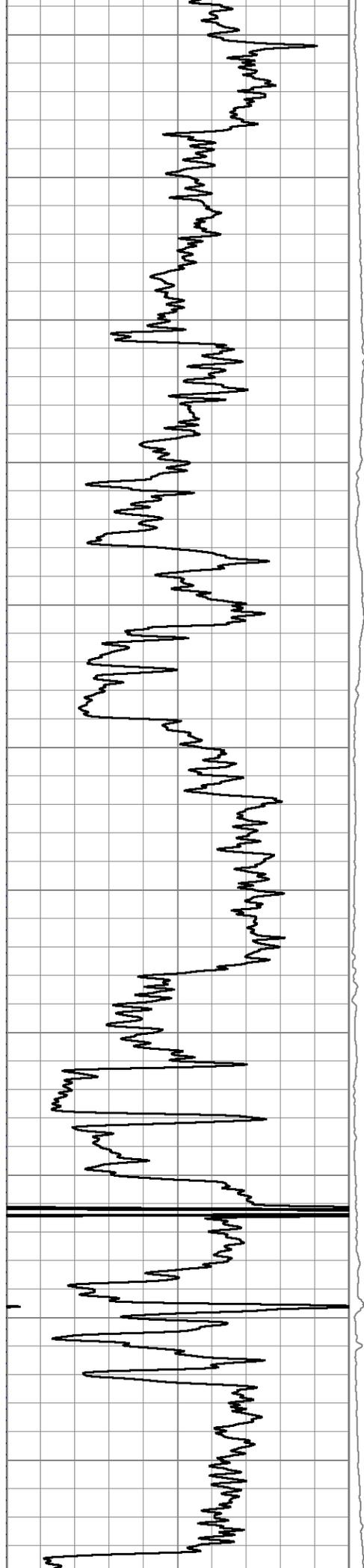




1600  
1700  
1800  
1900  
2000  
2100



0.7 — 591 — 306  
0.5 — 573 — 297  
0.4 — 554 — 286  
0.8 — 534 — 274  
0.7 — 515 — 263  
0.3 — 497 — 253  
0.3 — 480 — 245  
0.9 — 465 — 238  
0.8 — 449 — 231  
0.7 — 432 — 222  
0.7 — 415 — 213



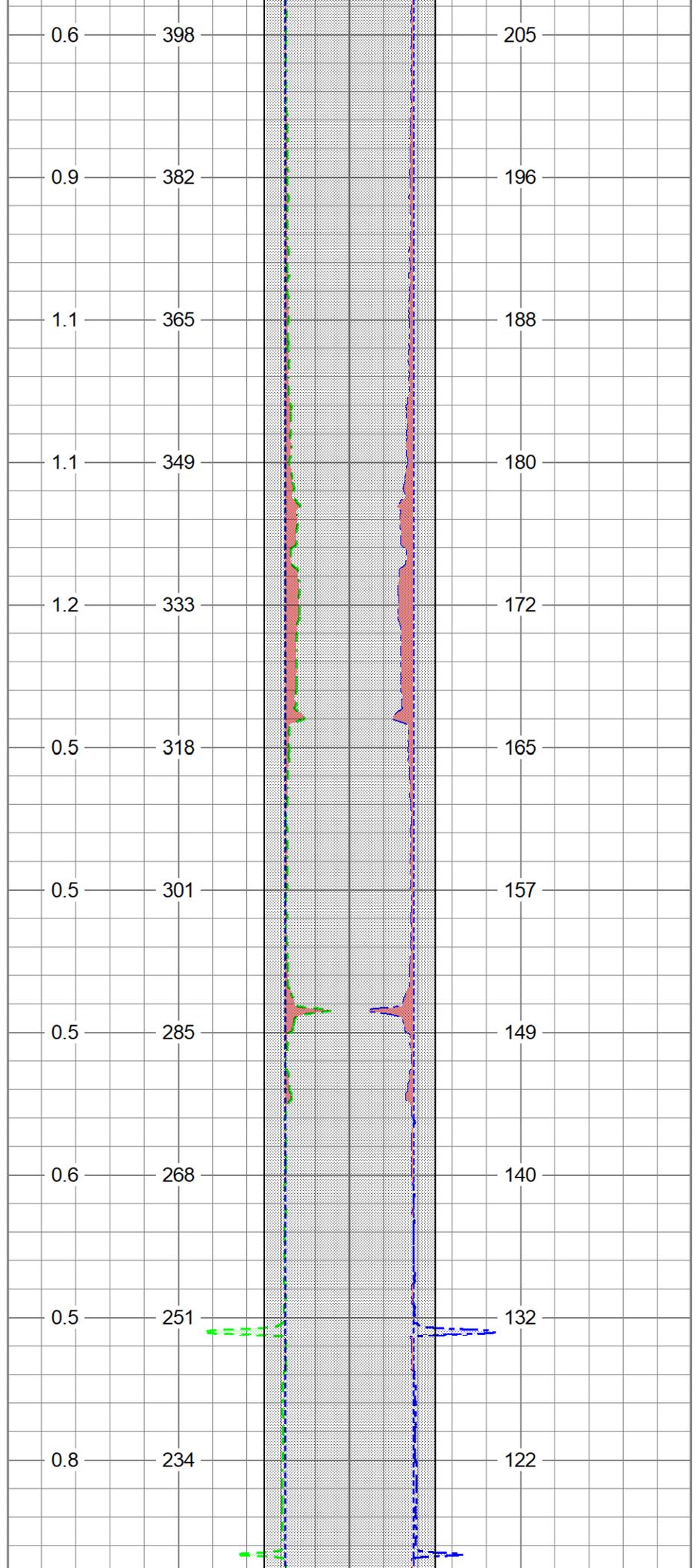
2200

2300

2400

2500

2600



0.6

398

205

0.9

382

196

1.1

365

188

1.1

349

180

1.2

333

172

0.5

318

165

0.5

301

157

0.5

285

149

0.6

268

140

0.5

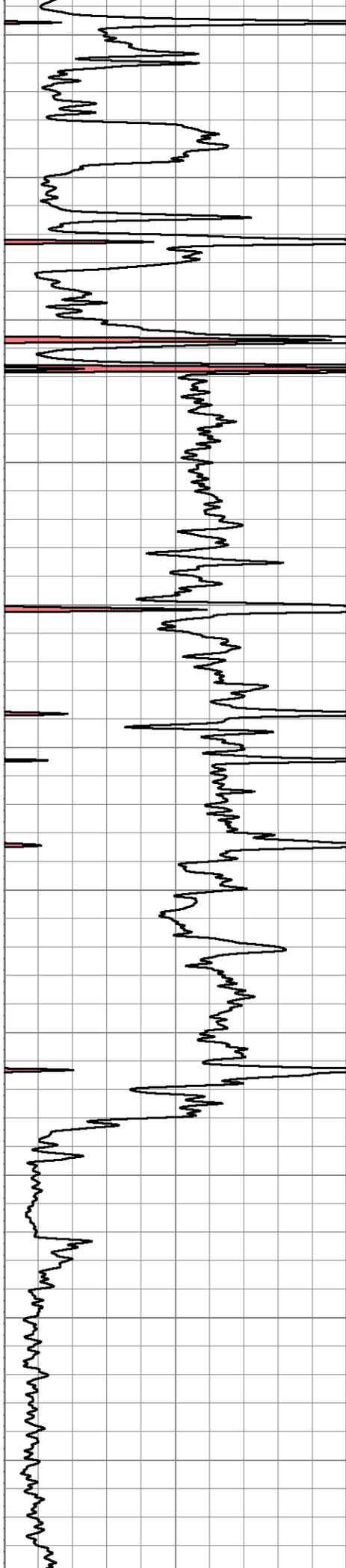
251

132

0.8

234

122



2700

2800

2900

3000

3100

3200

1.6

2.2

3.8

2.1

1.8

1.1

0.6

1.8

1.4

0.9

2.1

216

199

182

165

148

129

110

91

73

56

40

113

104

96

87

77

67

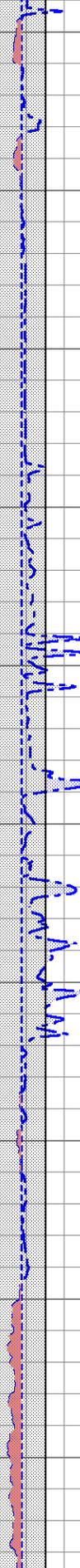
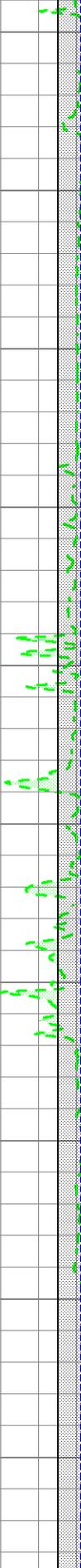
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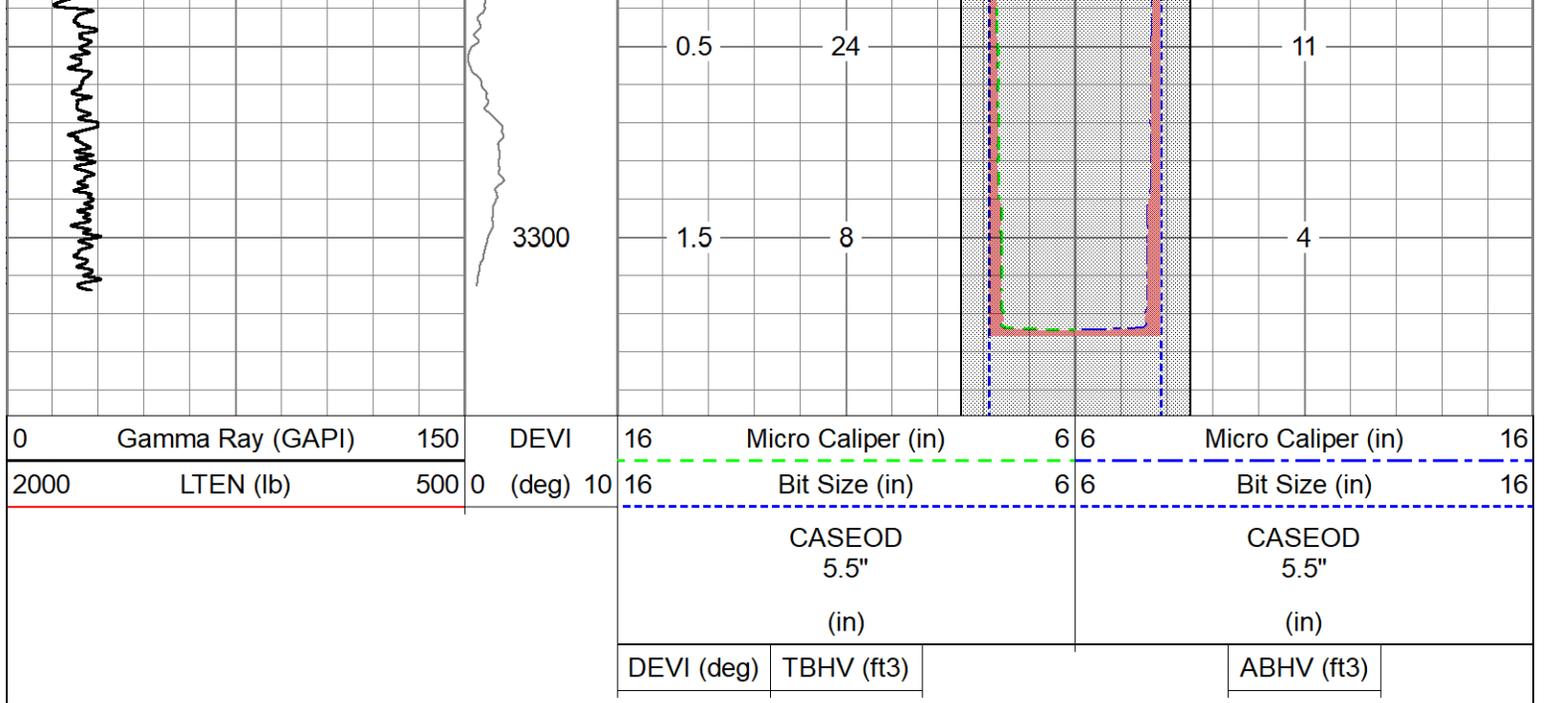
46

36

27

19





### Calibration Report

Database File ow2-9243 val energy.db  
 Dataset Pathname pass3.18  
 Dataset Creation Sat Dec 09 21:50:09 2023

### Admyr Lithodensity Calibration Report

Serial-Model: 1D\_GH-B  
 Source: OW2 D-19  
 Master Calibration Performed: Tue Nov 28 07:50:36 2023

#### Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	6813.26	5488.37	cps
Aluminium	2.600	g/cc	2033.95	4056.28	cps
Aluminium+Sleeve	2.576	g/cc	2066.61	4024.95	cps

Spine Angle = 75.96

Density/Spine Ratio = 0.714

	PE		NLITH	NHARD	
Magnesium	1.970	barn	4507.91	5570.63	cps
Aluminium	2.530	barn	1338.11	1823.42	cps
Aluminium+Sleeve	3.832	barn	1136.15	1857.34	cps

M = 1.234

B = -0.499

R = 0.996

	Size		Reading	
Small Ring	6.45	in	4.45	V
Large Ring	11.25	in	6.36	V

### Neutron Calibration Report

Serial Number: (YELLOW 0600 011 NEUTRON DOOR)  
 Tool Model: ADDON  
 Performed: Wed Dec 6 18:14:41 2023

Calibrator Values: 0 27  
 Calibrator Readings: 6100 4000 cps

Sensitivity: -0.0128571 /cps

Gamma Ray Calibration Report

Serial Number: Yellow Tool 061221  
 Tool Model: OSAGE\_01  
 Performed: Thu Aug 17 19:07:06 2023

Calibrator Value: 150.0 GAPI

Background Reading: 610.0 cps  
 Calibrator Reading: 930.0 cps

Sensitivity: 0.4688 GAPI/cps

Inclinometer Calibration Report

Performed: Mon Aug 21 11:27:21 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Calibration Report

Database File ow2-9243 val energy.db  
 Dataset Pathname pass2.11  
 Dataset Creation Sat Dec 09 20:04:22 2023

Dual Induction Calibration Report

Serial-Model: RedTool-G  
 Surface Cal Performed: Thu Nov 30 13:48:18 2023  
 Downhole Cal Performed: Thu Nov 30 13:48:37 2023  
 After Survey Verification Performed: Thu Nov 30 13:48:40 2023

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop	V	Air	Loop	mmho/m	m	b
Deep	0.007	0.642	V	6.000	340.000	mmho/m	526.092	2.359
Medium	0.010	0.728	V	-3.000	420.000	mmho/m	588.532	-8.701
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	-2.869	354.028	mmho/m	-0.044	350.323	mmho/m	0.982	2.773
Medium	-3.741	414.629	mmho/m	-0.037	400.340	mmho/m	0.957	3.543
LL3		9.500	V		2000.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-9.500	V		4500.000	mmho-m		

After Survey Verification			Readings		Targets		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	1.000	0.000	mmho/m	-2.869	354.028	mmho/m	-356.897	354.028
Medium	1.000	0.000	mmho/m	-3.741	414.629	mmho/m	-418.370	414.629
LL3		0.000	Ohm-m		2.000	Ohm-m		
		1.000	Ohm-m		500.000	Ohm-m		
		0.000	mmho-m		1.000	mmho-m		

Microlog Calibration Report

Serial-Model: 070527-Osage  
 Performed: Thu Nov 30 13:50:42 2023

	Readings			References			Results	
	Zero	Cal		Zero	Cal		m	b
Normal	-0.0028	0.0887	V	0.0000	10.0000	Ohm-m	109.2780	0.3082
Inverse	-0.0060	0.1128	V	0.0000	10.0000	Ohm-m	84.1776	0.5012
Caliper	1.7618	4.3262	V	4.8500	11.2500	in	2.4958	0.4528

Gamma Ray Calibration Report

Serial Number: Refurb01  
 Tool Model: OSAGE\_01  
 Performed: Thu Nov 30 13:51:24 2023

Calibrator Value: 150.0 GAPI

Background Reading: 125.0 cps  
 Calibrator Reading: 875.0 cps

Sensitivity: 0.2000 GAPI/cps

Inclinometer Calibration Report

Performed: Thu Nov 30 13:51:34 2023

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	205.00	1843.00	-1.00	1.00	gee
Y Accelerometer	205.00	1843.00	-1.00	1.00	gee
Z Accelerometer					gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
ACCY	17.83					
ACCX	17.83					
GR	16.65		ADMYR_TELEMETRY-OSAGE_01 (Yellow Tool 061221)	3.69	3.25	53.00
FRAMES	15.33		Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.			
SSTAT	15.33					
PSTAT	15.33					
ASTAT	15.33					
NEU	11.66					
DCAL	2.79		NEU-ADDON ((YELLOW 0600 011 NEUTRON DOOR))	5.65	3.38	84.00
LS UV	2.62					

LS_HV	2.63						
LS8	2.63						
LS7	2.63						
LS6	2.63						
LS5	2.63						
NHARD	2.63						
LSD	2.63						
LS2	2.63						
NLITH	2.63						
LSTAT	2.17						
LSV	2.17			ADT1LITH-B (1D_GH)	9.69	4.25	238.00
SS_HV	2.08						
SS8	2.08						
SS7	2.08						
SS6	2.08						
SS5	2.08						
SS4	2.08						
SSD	2.08						
SS2	2.08	Dataset: ow2-9243 val energy.db: field/well/run1/pass3.18 Total length: 19.02 ft Total weight: 375.00 lb O.D.: 4.25 in					
SS1	2.08						
SSV	1.96						
TR_Mon	0.00						

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)	
ACCY	31.04						
ACCX	31.04						
GR	29.86			ADMYR_TELEMETRY-OSAGE_01 (Refurb01) Admyr Telemetry With Gr, Deviation, ADC board and Pulses Board in it.	3.69	3.25	53.00
FRAMES	28.54						
SSTAT	28.54						
PSTAT	28.54						
ASTAT	28.54						
				MICRO_DIG-Osage (070527) Digital Microlog	7.21	5.13	137.00
MI	23.00						
MN	23.00						
MCAL	22.00						
ASTAT2	21.33						
SP	10.92						
CILD	10.92		DIL-G (RedTool) Gearhart	21.33	4.00	290.00	

CILM	7.00				
RLL3	1.65				
TR_Mon	0.00				

Dataset: ow2-9243 val energy.db: field/well/run1/pass2.11  
 Total length: 32.23 ft  
 Total weight: 480.00 lb  
 O.D.: 5.13 in