Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1256636

Form ACO-1
August 2013
Form must be Typed
Form must be Signed
All blanks must be Filled

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

OPERATOR: License # 5150
Name: Colt Energy Inc
Address 1: PO BOX 388
Address 2:
City: IOLA State: KS Zip: 66749 + 0388
Contact Person: BETH WILSON
Phone: (913) 236-0016
CONTRACTOR: License # 34953
Name: King, Andrew D.
Wellsite Geologist: REX ASHLOCK
Purchaser:

Designate Type of Completion:

☑ New Well ☐ Re-Entry ☐ Workover

☐ Oil ☐ WSW ☐ SWD ☐ SIOW
☐ Gas ☐ D&A ☑ ENHR ☐ SIGW
☐ OG ☐ GSW ☐ Temp. Abd.
☐ CM *(Coal Bed Methane)*
☐ Cathodic ☐ Other *(Core, Expl., etc.)*:

If Workover/Re-entry: Old Well Info as follows:

Operator:
Well Name:
Original Comp. Date: Original Total Depth:

☐ Deepening ☐ Re-perf. ☐ Conv. to ENHR ☐ Conv. to SWD
☐ Plug Back ☐ Conv. to GSW ☐ Conv. to Producer

☐ Commingled Permit #:
☐ Dual Completion Permit #:
☐ SWD Permit #:
☐ ENHR Permit #:
☐ GSW Permit #:

05/11/2015	05/13/2015	06/13/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-207-29228-00-00
Spot Description:
NW SE NE SE Sec. 22 Twp. 26 S. R. 14 ☑ East ☐ West
1709 Feet from ☐ North / ☑ South Line of Section
392 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☐ NE ☐ NW ☑ SE ☐ SW
GPS Location: Lat: *(e.g. xx.xxxxx)* , Long: *(e.g. -xxx.xxxxx)*
Datum: ☐ NAD27 ☐ NAD83 ☐ WGS84
County: Woodson
Lease Name: Pendley Well #: 23-i
Field Name: BIG SANDY
Producing Formation: BARTLESVILLE
Elevation: Ground: 916 Kelly Bushing: 0
Total Vertical Depth: 1408 Plug Back Total Depth: 1392
Amount of Surface Pipe Set and Cemented at: 42 Feet
Multiple Stage Cementing Collar Used? ☐ Yes ☑ No
If yes, show depth set: Feet
If Alternate II completion, cement circulated from:
feet depth to: w/ sx cmt.

Drilling Fluid Management Plan
(Data must be collected from the Reserve Pit)

Chloride content: 1000 ppm Fluid volume: 180 bbls
Dewatering method used: Haul Off Pit
Location of fluid disposal if hauled offsite:
Operator Name: COLT ENERGY INC
Lease Name: LOUK License #: 5150
Quarter NW Sec. 23 Twp. 26 S. R. 14 ☑ East ☐ West
County: WOODSON Permit #: D28300.0

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Submitted Electronically

KCC Office Use ONLY

☐ **Confidentiality Requested**
Date:
☐ **Confidential Release Date:**
☑ **Wireline Log Received**
☐ **Geologist Report Received**
☑ **UIC Distribution**
ALT ☐ I ☑ II ☐ III **Approved by:** NAOMI JAMES **Date:** 07/02/2015

1256636

Operator Name: Colt Energy Inc Lease Name: Pendley Well #: 23-i

Sec. 22 Twp. 26 S. R. 14 ☑ East ☐ West County: Woodson

INSTRUCTIONS: Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to kcc-well-logs@kcc.ks.gov. Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken ☐ Yes ☑ No
(Attach Additional Sheets)

Samples Sent to Geological Survey ☐ Yes ☑ No

Cores Taken ☑ Yes ☐ No

Electric Log Run ☑ Yes ☐ No

List All E. Logs Run:

CDL
DIL
GRN

☑ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum
SEE ATTACHED	0	0
DRILLERS LOG	0	0

CASING RECORD ☑ New ☐ Used
Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	11.75	8.625	24	42	PORTLAND	12	0
Production	6.75	4.5	10.5	1392	THICK	150	0

ADDITIONAL CEMENTING / SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ Plug Off Zone	-			
	-			

Did you perform a hydraulic fracturing treatment on this well? ☑ Yes ☐ No *(If No, skip questions 2 and 3)*

Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons? ☐ Yes ☑ No *(If No, skip question 3)*

Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry? ☐ Yes ☐ No *(If No, fill out Page Three of the ACO-1)*

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record *(Amount and Kind of Material Used)*	Depth
4	1244-1246	500# 16/30 SAND	1244-1246
4	1249-1253	4100# 12/20 SAND	1249-1253
2	1252-1262	175# FRAC GEL	1252-1262
		50 GAL 15% HCL	
		3 GAL BIOCIDE	

TUBING RECORD: Size: Set At: Packer At: Liner Run: ☐ Yes ☑ No

Date of First, Resumed Production, SWD or ENHR.

Producing Method: ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other *(Explain)*

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: ☐ Vented ☐ Sold ☐ Used on Lease
(If vented, Submit ACO-18.)

METHOD OF COMPLETION: ☐ Open Hole ☑ Perf. ☐ Dually Comp. *(Submit ACO-5)* ☐ Commingled *(Submit ACO-4)* ☐ Other *(Specify)*

PRODUCTION INTERVAL:

Mail to: KCC - Conservation Division, 130 S. Market - Room 2078, Wichita, Kansas 67202

Bar Drilling, LLC

INVOICE

1317 105th Rd
Yates Center, KS 66783
(719) 210-8806 ,(620) 625-3679

DATE: May 26, 2015
INVOICE #

BILL TO:
Colt Energy Inc.
P.O. Box 388
Iola, KS 66749

FOR: Pendley i23
API# 15-207-29228

DESCRIPTION	Quanity	RATE	AMOUNT
set 42.8' of 8 5/8" surface casing with 12 sacks of cement		included	
drilled 1408', (6 3/4" hole)	1.00	10125.00	10,125.00
core: 1	1.00	included	

APPROVED JA 5/28/2015

SUBTOTAL	$	10,125.00
TAX RATE		
SALES TAX		-
OTHER		
TOTAL	$	10,125.00

105000

D15008 109

THANK YOU FOR YOUR BUSINESS!

Mud Rotary Drilling
Andrew King - Manager/Driller

Bar Drilling, LLC

Phone: (719) 210-8806

1317 105th Rd.
Yates Center, KS 66783

Company/Operator	Well No.	Lease Name	Well Location	1/4	1/4	1/4	Sec.	Twp.	Rge,
Colt Energy Inc.	23-i	Pendley	1709'fsl, 392'fel	NW	SE	NE	22	26s	14e
P.O. Box 388	Well API #	Type/Well	County	State	Total Depth		Date Started	Date Completed	
Iola, KS 66749	15-207-29228	Oil	Woodson	KS	1408'		5/8/2015	5/14/2015	

Job/Project Name/No.	Surface Record		Bit Record				Coring Record				
			Type	Size	From	To	Core #	Size	From	To	% Rec.
Driller/Crew	Bit Size:	11 1/4	PDC	11 1/4	0'	42.8'	1	3"	1240'	1265'	99
Andy King	Casing Size:	8 5/8	PDC	6 3/4	42.8	1408					
Charles King	Casing Length:	42.8									
	Cement Used:	12sx									
	Cement Type:	Portland									

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	10	overburden	1220	1136	shale			
10	14	lime	1136	1238	grey sand			
14	37	sandstone	1238	1240	grey sand (oil show)			
37	209	shale	1240	1265	core #1 (broken oil sand)			
209	474	lansing lime	1265	1280	sandy shale			
474	552	shale	1280	1335	shale			
552	730	Kc lime	1335	1338	sandy shale			
730	825	shale	1338	1350	sandy shale			
825	843	lime	1350	1363	black sand			
843	857	shale/coal	1363	1406	shale			
857	870	lime	1406	1408	Miss lime			
870	956	sandy shale						
956	963	lime						
963	967	coal						
967	992	lime						
992	1013	shale						
1013	1032	lime						
1032	1036	shale						
1036	1048	lime						
1048	1058	shale						
1058	1068	oil show						
1068	1127	sandy shale						
1127	1128	lime						
1128	1220	shale						

Well Notes:

ran 1389'+- of 4 1/2" casing.


F103
Mining Services Chart
Cult Energy
23
Pemiley
KS
5-12-15
Open hole Logging
5-12-2015
203'
474 Beg logging
552 KC
672
707
730 Base of KC line
1158 ctr
1230-1240
Core 1240/1265
Core slot 1240 1265
1401 TD
CHART NO.

ELI101

5/20

Elite Cementing & Acidizing of KS, LLC

810 E 7th, PO Box 92
Eureka, KS 67045

ELITE CEMENTING & ACID SERVICE, LLC

Date	Invoice #
5/14/2015	2310

Bill To
Colt Energy Inc. PO Box 388 Iola, KS 66749

Customer ID#	1003

Job Date	5/13/2015
Lease Information	
Pendley #23-i	
County	Woodson
Foreman	SM

Item	Description	Qty	Terms / Rate	Net 15 / Amount
C102	Cement Pump-Longstring	1	1,050.00	1,050.00
C107	Pump Truck Mileage (one way)	25	3.95	98.75
C201	Thick Set Cement	150	19.50	2,925.00T
C208	Pheno Seal	300	1.25	375.00T
C206	Gel Bentonite	300	0.20	60.00T
C214	Cottonseed Hulls	45	0.45	20.25T
C108A	Ton Mileage (min. charge)	1	345.00	345.00
C403	4 1/2" Top Rubber Plug	1	45.00	45.00T
D101	Discount on Services		-74.68	-74.68
D102	Discount on Materials		-171.26	-171.26T

APPROVED JA 5/18/2015

MAY 18 REC'D

We appreciate your business!

Phone #	Fax #	E-mail
620-583-5561	620-583-5524	rene@elitecementing.com

Send payment to:
Elite Cementing & Acidizing of KS, LLC
PO Box 92
Eureka, KS 67045

Subtotal	$4,673.06
Sales Tax (7.15%)	$232.66
Total	$4,905.72
Payments/Credits	$0.00
Balance Due	$4,905.72

105000

D15008203

810 E 7TH
PO Box 92
EUREKA, KS 67045
(620) 583-5561

15-207-29228

ELITE
CEMENTING & ACID SERVICE, LLC

Cement or Acid Field Report
Ticket No. **2310**
Foreman Steve Mead
Camp Eureka

Date	Cust. ID #	Lease & Well Number	Section	Township	Range	County	State
5-13-15	1003	Pendley # 23-j	22	26	14E	Woodson	KS

Customer: Colt Energy, Inc
Mailing Address: P.O. Box 388
City: Iola | State: KS | Zip Code: 66749

Safety Meeting

Unit #	Driver	Unit #	Driver
105	Dave G.		
115	Rick L.		

Job Type LS | Hole Depth 1408 | Slurry Vol. | Tubing
Casing Depth 1392.8 | Hole Size 6 3/4 | Slurry Wt. | Drill Pipe
Casing Size & Wt. 4 1/2, 10.5# J-55 | Cement Left in Casing | Water Gal/SK | Other
Displacement 22 bbls | Displacement PSI 900# | Bump Plug to 1400# | BPM

Remarks: SAFTY Meeting. Rig up to 4 1/2 casing. Break Circulation w/ Fresh Water. Pump 300# Gel Flush & 5bbls Water Spacer. Mix 150sks Thickset Cement w/ 2# Phenoseal per sk. Wash out pump & Lines. Release plug. Displace w/ 22bbls Fresh water. Final Pump pressure 900# Bump Plug 1400# wait 2min. Release pressure. Plug held. Good Cement returns to Surface 6bbl to pit. Job Complete. Rig down

Code	Qty or Units	Description of Product or Services	Unit Price	Total
C102	1	Pump Charge	1050.00	1050.00
C107	25	Mileage	3.95	98.75
C201	150sks	Thick Set Cement	19.50	2925.00
C208	300#	Phenoseal 2#/sk	1.25	375.00
C206	300#	Gel Flush	.20	60.00
C244	45#	Hulls	.45	20.25
C108A	8.25 Ton	Tonmilage Bulk Truck	M/C	345.00
C403	1	4 1/2 Top Rubber Plug	45.00	45.00
		590 < 258.19 > #4905.12		
		7.15%	Sub Total	4919.00
			Sales Tax	244.91
			Total	5163.91

Authorization [signature] Title

I agree to the payment terms and conditions of services provided on the back of this job ticket. Any amendments to payment terms must be in writing on the front of this job ticket or in the Customer's records at ELITE's office.

Colt Energy, Inc.
Geological Report

Well: **Pendley #23-i** Draft: 5/15/2015
1709 FSL, 392 FEL
Section 22-T26S-R14E
Woodson Co., KS
API #: 15-207-29228
Elevation: 936 GL (est. from the surveyed locations of Pendley #'s 11 and 12)
Drilling Contractor: Andrew King (Op. Lic. #34953), dba BAR Drilling, LLC
Spud: 5/11/2015
Surface Casing: 11.75" bore hole, 8 5/8" set at 42.8', cmtd w/ 12 sx of Portland
Under Surface: 5/12/15
Drilling fluid: water "native mud" and a little polymer
Production bore hole: 6.75"
Rotary Total Depth (RTD): 1408' (5/13/15)
Geophysical E-Log(s): CDL and IES by Osage Wireline (5/13/15)
Production Casing: 1392.80' of 4 ½", 10.5#/ft., includes 4' cmt pup jt., cmtd w/ 150 sx, (5/13/15)
Production Casing: Ran in hole by: BAR Drilling, LLC (5/13/15)

Formation/Member	DL/Spl Tops	Log Tops (Rdd off)	Datum (936)
Lansing Ls	----	211	725
Base Lansing	----	474	462
Kansas City Ls	----	549	387
Stark Sh	----	641	295
Hushpuckney Sh	----	682	254
Base Ks City	----	711	225
"Old Drillers Log" B. KC	----	728	208
South Mound Sh	----	820	116
"Weiser" Ss	----	910	26
Mulberry Coal	----	862	74
Myrick Station Ls	----	983	-47
Anna (Lexington Coal Zone) Sh	----	987	-51
Ft. Scott ("Oswego") Ls	1013 (Drlg time)	1012	-76
Little Osage (Summit Coal Zone) Sh	1032	1032	-96
Excello Sh	1047	1046	-110
Mulky Coal	1051	1050	-114
Squirrel Sand	1057 (Spl)	1060	-124
Bevier Coal	1114 (Drlg time)	1114	-178
Verdigris (Ardmore) Ls	1126	1127	-191
"V" (Croweburg) Sh	1129	1129	-193
Croweburg Coal	No call	1131	-195
Fleming Coal	1168 (Spl)	1169	-233
Mineral Coal	1183	1186	-250
Scammon Coal	1199	1201	-265
"Lower" Cattleman Ss Zone	1204	1204	-268

Formation/Member	Spl Tops	Log Tops (Rdd off)	Datum (936)
Un-named Carb. Zone	1227	1230	-294
Un-Named Coal (Tebo?)	1234	1235	-299
Bartlesville "Zone 1"	1236	1237	-301
Bv "clean" Ss "Zone 1"	1244.6 (core depth)	1245+/-	-309
Base Bv "Zone 1"	1264.1 (core depth)	1262	-326
Bv "Zone 2"	1265	1267	-331
Base Bv "Zone 2"	1290	1288	-352
Bv "Zone 3"	Not dev.	----	----
Bv "Zone 4"	1350	1349	-413
Base "Zone 4"	1362	1364	-428
Un-Named Coal	----	----	----
Riverton Coal	1381	1381	-445
Mississippian ("Cgl.")	*1406	----	*-470
Rotary Total Depth	1408	----	-472
E-log TD	----	1405	-469

The following report is based on microscopic examination of rotary drill cuttings collected on location while drilling, a core taken from the Bartlesville Sand Zone, and a series of open hole logs; depths have been corrected back to the open hole log measurements unless noted.

Note: Drill cuttings were collected, "bagged", and microscopically examined from 1080'-1110' and 1190' to 1408' RTD.

Major Zones of Interest:

Mulberry Coal, 862-863+. Log shows a little over a bout 1.5'of coal with a bulk density of 1.92

Anna Shale (Lexington Coal Zone), 987-990. No indications to the presence of coal.

Little Osage Shale (Summit Coal Zone), 1032-1034. No signs to the presence of coal.

Excello Shale, 1046-1049. Log shows black shale as was with the Anna and Little Osage Shale.

Mulky Coal, 1050-1051+. Log shows about a 1+/- foot coal seam with a bulk density of 1.89.

Squirrel Sand, 1060-1072. Sandstone, mix of; light tan, tan, gray-tan, light brown, light gray-brown, and a few scattered clusters of off white (color varies due to oil content), silt size to fine grain, angular to very angular, poor to very poorly sorted, moderately well to well consolidated, friable to semi-friable clusters with a fair amount of loose grains, poor fair porosity, pale green shale platelets in most clusters, very-very dull to no fluorescence, fair to good odor, weak to fair shows of very-very dark brown to black free oil, few clusters exhibiting good shows of free oil, fair shows of hydrocarbon residue, no shows of gas, did circulated a fair show of free oil to the drilling pit, the Induction log indicates this sand to be "watery".

Pendley #23-i

Squirrel Sand Zone continued:

1072-1080. Sandstone, as above, fairly silty to shaley, very weak to weak shows of free oil, fair show of thick, tarry residue and "dead" oil, no show of gas.

Note: As of report date, cannot recommend further testing the Squirrel Sand.

Bevier Coal, 1114+ -1116. Log shows about a foot of coal with a bulk density of 1.93.

Croweburg Coal, 1131-1132. The log indicates a little over a foot of coal with a bulk density of 1.87.

Fleming Coal, 1169-1171. Coal, 20-30% of coal in sample were "floaters", gritty textured in part, pyritic, no apparent shows of gas, coal is close to 2 feet thick with a bulk density of 1.75.

Mineral Coal, 1186-1187. Coal and "coaly-shale", 30%+ were "floaters" (possible some percentage left over from the Fleming), pyritic, gritty textured in part, coal is less than a foot thick, no show, and has a bulk density of 2.02 – lot of "floaters" for so high of bulk density.

Scammon Coal, 1201-1203. Coal, abundant "floaters", sooty/smutty - turned sample wash bucket black, no visible shows of gas, but examined sample about 30-45 minutes after collected, coal is 1+/- feet thick and has a bulk density of 1.82.

"Lower" Cattleman Sand Zone, 1204-1210+/-. Silt/sandstone, grays, mostly very fine grain, shaley, dense, no show.

Un-named Carbonaceous Zone (Tebo?), 1230-1233. Shale, black, carbonaceous and pyritic in part, no show.

"Tebo" Coal, 1235-1237. Coal, did not write down % of "floaters", pyritic in most, no visible shows of gas, coal is around 1.5 feet thick – based on the log, and has a bulk density of 1.78.

Bartlesville Sand Zone:

1237-1240. Shale, pale green, very-very silty to sandy, sand content increases with depth, scattered tan to light brown clusters of sandstone, (probably from thin lamina within the shale), with fair oily stain and weak to fair shows of free oil, circulating samples had weak to fair odor, dull fluorescence, weak to fair shows of free oil, no shows of gas.

Note: Cored the Bartlesville from 1240-1265.4+/- (Driller's depths, about 1'+/- to the log measurements), cored footage is part of "Zone 1" and the very top few inches of "Zone 2", please see the Core Report.

Pendley #23-i

Bartlesville Drill Cuttings continued:

1265.4+/- -1278. Sandstone, tan to brown with trace dark brown, silt size to fine grain, trace medium grain, angular to very angular, mostly very poorly sorted, moderately well consolidated, fair trace good inter-granular porosity, scattered pale green-gray and gray-green shale (possible laminated in part), good oily odor, very dull to dull fluorescence, fair to good with trace very good shows of free oil, no visible shows of gas.

1278-1285+/-. Sandstone, very silty to shaley, looked to be laminated to possible thick sand lenses within this very silty to shaley "sand". There was a fair amount of light gray-green and green-gray shale in samples. The "clean" sand was same as noted above, had very-very dull fluorescence, but had very good shows of free oil and samples had a strong oily odor.

1285-1288. Sandstone, various shades of brown to black (color varied due to oil content of the sand clusters), silt size to medium grain, angular to very angular with trace sub-angular, poor to very poorly sorted, moderately well to very poorly consolidated, abundant loose grains in sample, good to very good porosity, scattered shale platelets in most sand clusters, mostly no to a few clusters exhibiting very-very dull fluorescence, very good to strong oily odor, good to excellent shows of very-very dark brown to black, "heavy"-"thick", free oil, no shows of gas.

"Lower" Bartlesville (Part of Zone "4")

1349-1357. Sandstone; clusters were/are gray-browns to black (color dependent on oil content), but the grains were clear, frosted, semi-translucent, to opaque and were silt size to fine grain with trace medium grain, angular to very angular, with a few sub-angular to sub-rounded, poor to very poorly sorted, very poorly consolidated – mostly loose grains to very-very small clusters, trace dark gray to very dark gray shale in sample, sand has good to very good porosity, very-very weak "pungent" petroliferous odor, no fluorescence, weak to fair show of hydrocarbon residue – "dead oil".

1357-1364. Shale, dark to very dark gray, black, trace sandstone as above, trace off white to light tan, and "salt & pepper", sand had poor porosity and was in the form of thin lenses within the shale, found no shows except for some scattered "dead oil". Log shows a 1.5 feet lens at 1359 and a 2.0 feet lens at 1362.

Note: the "Lower" Bartlesville does not merit further testing.

Riverton Coal, 1381-1383. Coal, 30%+ were "floaters", fairly pyritic, no visible shows of gas, coal is a little over a foot thick and has a bulk density of 1.92.

Mississippi (an), 1406-1406 (Driller's depths, not logged): Only a few fragments of chert and conglomeratic material was found in the "bottoms up" circulated samples.

Pendley #23-i

Summary:

Due to the shows of oil found in the Bartlesville Sand and the results of the open hole logs, the decision was made to run production casing for further testing of the Bartlesville, after a given time the subject well will be converted into a water injection well.

End Report

Rex R. Ashlock
For: Colt Energy, Inc.

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services,LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice# 804593 7/20

Invoice Date: 06/22/15 Terms: Net 30 Page 1

COLT ENERGY INC.
1112 RHODE ISLAND RD
IOLA KS 66749
USA
6203653111

pendley 23i-17i-22i

23 I 15-207-29228

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FE0251	Combo Unit, 1,300 HHP 1st (4) Four Hours	3.000	3,500.0000	57.000	4,515.00
5116	Iron Truck	3.000	400.0000	57.000	516.00
AE0133	Acid Pump, > (4) Four Hours	3.000	500.0000	57.000	645.00
FC5005	15% Uninhibited HCL Acid (22 Baume)	150.000	3.9000	57.000	251.55
FC5700	MaxSurf FBA (Surfactant/N.E./Remediation)	1.500	70.0000	57.000	45.15
FC5450	WG-1, Guar Gelling Agent	525.000	8.0000	57.000	1,806.00
FC5280	BIO-1 Powdered	9.000	35.0000	57.000	135.45
FC5481	B-7LE, Enzynme Breaker	1.500	225.0000	57.000	145.13
FE1054	3" Valve	3.000	500.0000	57.000	645.00
FE1000	Manual Ball Injector	3.000	600.0000	57.000	774.00
FC5176A	7/8" 1.3 Sp.Gr.RCN Ball Sealers	50.000	4.0000	57.000	86.00
FE0700	Proppant Delivery	1.000	1,000.0000	57.000	430.00
FE0002	Equipment Mileage Charge - Heavy Equipment	150.000	7.1500	57.000	461.18
WS2403	Water Transport (Frac Service)	15.000	120.0000	57.000	774.00
FP9003	16/30 Brown Sand	1,500.000	0.3000	57.000	193.50
FP9004	12/20 Brown Sand	12,500.000	0.3000	57.000	1,612.50

10500

APPROVED JA 6/26/2015

D15008 219 4353.65
D15006 219 4353.65
D15007 219 4353.66

RECEIVED
JUN 25 REC'D

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

Consolidated Oil Well Services,LLC
Dept:970
P.O.Box 4346
Houston,TX 77210-4346

MAIN OFFICE

P.O.Box884
Chanute,KS 66720
620/431-9210,1-800/467-8676
Fax 620/431-0012

Invoice

Invoice# 804593

Invoice Date: 06/22/15 Terms: Net 30 Page 2

COLT ENERGY INC.

1112 RHODE ISLAND RD
IOLA KS 66749
USA

6203653111

pendley 23i-17i-22i

Part No	Description	Quantity	Unit Price	Discount(%)	Total
FC5251	CIA-2, Corrosion Inhibitor < 250 Degree F (Non-Acetylenic)	0.750	60.0000	57.000	19.35

Subtotal	30,360.00
Discounted Amount	17,305.20
SubTotal After Discount	13,054.80

Amount Due 30,374.30 If paid after 07/22/15

Tax:	6.15
Total:	13,060.96

CONSOLIDATED
Oil Well Services, LLC

PO BOX 884 STREET, CHANUTE, KS 66720
620-431-9210 OR 800-467-8676

3165 / 3196

TICKET NUMBER 50488

LOCATION Thayer

231 171 221

FIELD TICKET

DATE	CUSTOMER ACCT #	WELL NAME	QTR/QTR	SECTION	TWP	RGE	COUNTY	FORMATION
6-12-15	1806	Pendley					WO	Bartlesville

CHARGE TO Colt Energy — OWNER

MAILING ADDRESS — OPERATOR

CITY & STATE — CONTRACTOR

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION OF SERVICES OR PRODUCT	UNIT PRICE	TOTAL AMOUNT
FE0251	3	PUMP CHARGE 1350 Combo	3500	10500
FE1136	3	Iron truck	400	1200
AE0133	3	Acidspotter	500	1500
4109 FC5005	150 gal	15% HCL acid	3.90	585
FC5251	3/4	Inhibitor	60	45
FC5700	1 1/2		70	105
FC6159	customer formation			
FC5450	525#	fraggel	8.00	4200
FC5280	9#	Biocide	35.—	315
FC5481	1 1/2 gal	Breaker	225	337.50
F				
FE1054	3	3" Frac valve	500	1500
FE1000	3	Ball injector	600	1800
FC5176X	50	1.3 SG 7/8" Ballsealers	4.00	200
		BLENDING & HANDLING		
FE0700	150	TON-MILES	1000	1000
		STAND BY TIME		
FE0002	150	MILEAGE Mobilization x 3 PS, I	7.15	1072.50
WS2403	15 hrs	WATER TRANSPORTS - 3	120	1800
		VACUUM TRUCKS		
FP9003	1,500#	FRAC SAND 16-30	.30	450
FP9004	12,500#	12-20	.30	3750
			7.15 SALES TAX	14.30 6.4%
				30374.30
		Less 5%		17313.35
			ESTIMATED TOTAL	13060.95

ALL DISCOUNTS APPLIED.
NO FURTHER DISCOUNTS Available.

CUSTOMER or AGENTS SIGNATURE _____ COWS FOREMAN Brett Busby

7% Below previous estimate 5/20/15.

CUSTOMER or AGENT (PLEASE PRINT) _____ DATE 6-12-15

I acknowledge that the payment terms, unless specifically amended in writing on the front of the form or in the customer's account records ar our office, and conditions of services on the back of this form are in effect for sercives identified on this form.

14.80

CONSOLIDATED
Oil Well Services, LLC

PO Box 884, Chanute, KS 66720
620-431-9210 or 800-467-8676

1st well SWD

TICKET NUMBER 60841
FIELD TICKET REF # 50488
LOCATION Thayer
FOREMAN Brett Busby

15-207-29228

TREATMENT REPORT
FRAC & ACID

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-12-15	1810	Pendley 23i				WO

CUSTOMER: Colt Energy
MAILING ADDRESS:
CITY | STATE | ZIP CODE:

TRUCK #	DRIVER	TRUCK #	DRIVER
754	Josh	735T221	George
745	Landon		
478	Mark		
582	Wes		
670T02	Junior		
680T91	James		

WELL DATA

CASING SIZE 4½	TOTAL DEPTH
CASING WEIGHT	PLUG DEPTH
TUBING SIZE	PACKER DEPTH
TUBING WEIGHT	OPEN HOLE
PERFS & FORMATION	Bartlesville
1244-46 (9)	
1249-53 (17)	47
1257-62 (21)	

TYPE OF TREATMENT
Acidspot + Frac

CHEMICALS

Biocide - Breaker	
Acid- Inhibitor -	Maxsurf

STAGE	BBL'S PUMPED	INJ RATE	PROPPANT PPG	SAND / STAGE	PSI	
PAD	30	20				BREAKDOWN 2200
16-30		20	.5-1.0	500#		START PRESSURE
12-20	Ballsealers	20	1.0-2.0	1000#		END PRESSURE
12-20 (5)			1.5	500#		BALL OFF PRESS
12-20 (5)			1.5			ROCK SALT PRESS
12-20				500#		ISIP
12-20 (5)		open-wtr	2.0			5 MIN
12-20 (5)	30	30 base x 2	2.0	500#		10 MIN
12-20 = (20)		Finish	2.0			15 MIN
12-20		20		2000#		MIN RATE
FLUSH CASING	20	20				MAX RATE
Release balls to T.D.			TOTAL	5,000#		DISPLACEMENT 20.
OVERFLUSH	10	20	SAND			
TOTAL BBLS	142					

REMARKS:

Spotted 50 gal - 15% HCL acid on perfs

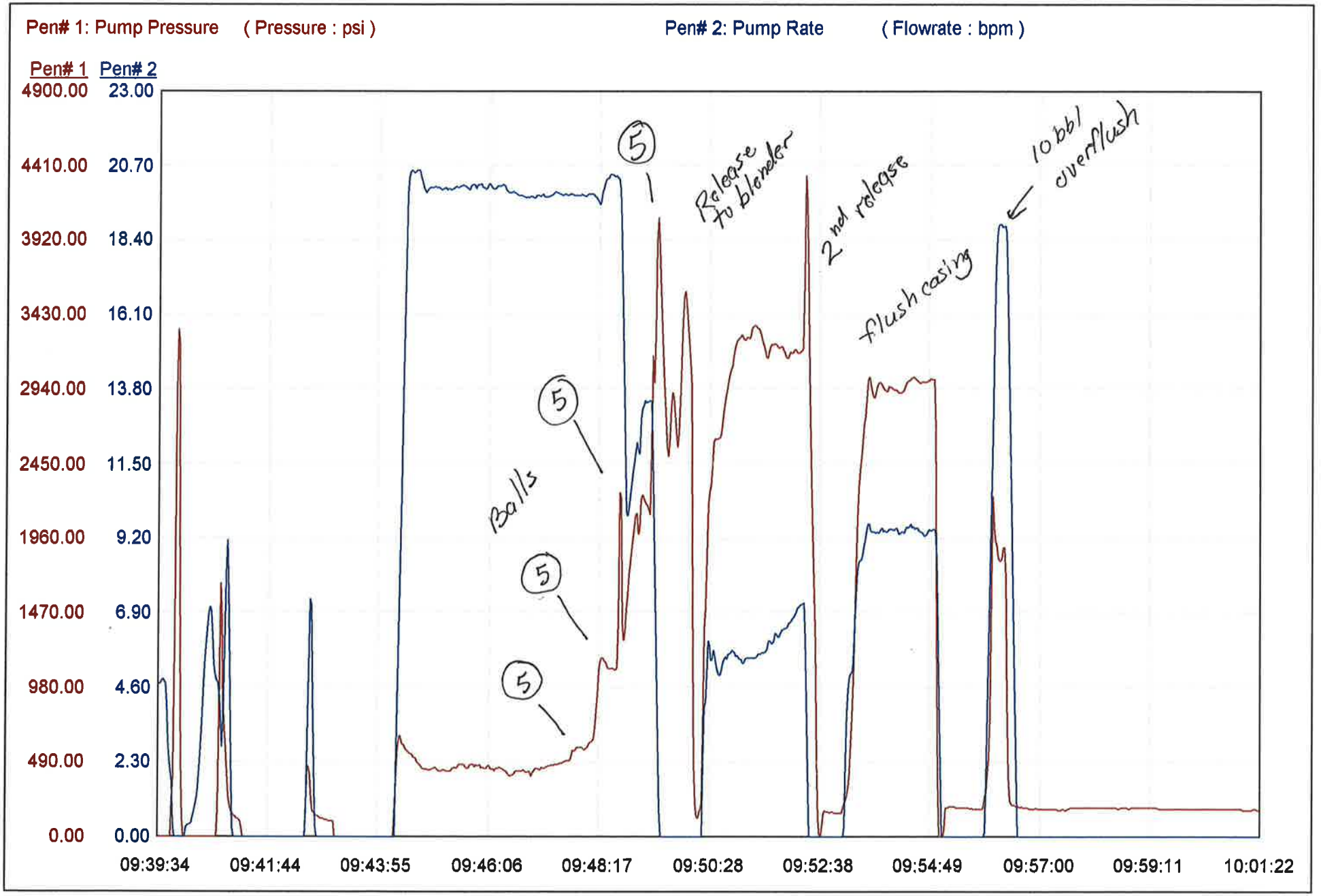
location 9:30AM - 10:20AM 50 miles

AUTHORIZATION Josh TITLE DATE 6-12-15

Terms and Conditions are printed on reverse side.

SERVICE COMPANY:	C.O.W.S.	DATE RECORDED:	06/12/2015
TICKET NO:	60840	JOB NO:	
CUSTOMER NAME:	COLT ENERGY	UNIT DESCRIPTION:	BARTLESVILLE
WELL NAME:	PENDLEY 23I	UNIT NOTES:	ACIDSPOT + FRAC
WELL LOCATION:	WOODSON CO.	FILE NAME:	COLTENERGY_15_06_12_#1.csv

CONSOLIDATED
OIL WELL SERVICES, LLC



MIDWEST SURVEYS
LOGGING • PERFORATING • CONSULTING • M.I.T. SERVICES
P.O. Box 68 • Osawatomie, KS 66064
Phone 913-755-2128 • Fax 913-755-6533

Perforation Record

Company: COLT ENERGY, INC. 15-207-29228

Lease/Field: PENDLEY LEASE

Well: # 23-i

County, State: WOODSON COUNTY, KANSAS

Service Order #: 33644

Purchase Order #: N/A

Date: 6/8/2015

Perforated @:
1244.0 TO 1246.0 9 PERFS
1249.0 TO 1253.0 17 PERFS
1257.0 TO 1262.0 21 PERFS
Bartlesville

Type of Jet, Gun or Charge 3 3/8" DP 19 GRAM TUNGSTEN EXPENDABLE CASING GUN

Number of Jets, Guns or Charges: FORTY SEVEN (47)

Casing Size: 4 1/2"

MIDWEST SURVEYS
LOGGING - PERFORATING - CONSULTING SERVICES
P.O. Box 68, Osawatomie, KS 66064
913 / 755 - 2128

GAMMA RAY / NEUTRON / CCL

File No.

API # 15-207-29,228

Company	Colt Energy, Inc.		
Well	Pendley No. 23-i		
Field	Big Sandy		
County	Woodson	State	Kansas
Location	1709' FSL & 392' FEL NW-SE-NE-SE	Other Services	Perforate
Sec. 22	Twp. 26s	Rge. 14e	
Permanent Datum	GL	Elevation 936'	Elevation K.B. NA D.F. NA G.L. 936'
Log Measured From	GL		
Drilling Measured From	GL		

Date	06-08-2015
Run Number	One
Depth Driller	1408.0
Depth Logger	1375.0
Bottom Logged Interval	1374.0
Top Log Interval	20.0
Fluid Level	Full
Type Fluid	Water
Density / Viscosity	NA
Salinity - PPM Cl	NA
Max Recorded Temp	NA
Estimated Cement Top	0.0
Equipment No.	104 Location Osawatomie
Recorded By	Steve Windisch
Witnessed By	John Ameman

BORE-HOLE RECORD				CASING RECORD			
RUN No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	12.25"	0.0	42.8	8.625"	24.0 #	0.0	42.8
Two	6.75"	42.8	1408.0	4.50"	10.5 #	0.0	1393.0
				Baffle	Set	At	1389.0

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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

Drilling Contractor :
Bar Drilling, LLC.

Database File:	pendley 23i.db
Dataset Pathname:	pass1
Presentation Format:	gr-n-ccl
Dataset Creation:	Mon Jun 08 10:51:20 2015 by Log SCH 111116
Charted by:	Depth in Feet scaled 1:240

COMPENSATED DENSITY SIDEWALL NEUTRON LOG

Company COLT ENERGY INC.
Well PENDLEY # 23-i
Field BIG SANDY
County WOODSON
State KANSAS

Company COLT ENERGY INC.
Well PENDLEY # 23-i
Field BIG SANDY
County WOODSON **State** KANSAS

Location: API # : 15-207-29228-0000
NW SE NE SE
1709' FSL & 392' FEL
SEC 22 TWP 26S RGE 14E

Other Services
DIL

Permanent Datum	GL	Elevation	936' est
Log Measured From	GL		
Drilling Measured From	GL		

Elevation
K.B. ---
D.F. ---
G.L. 936' est

Date	5-13-2015		
Run Number	ONE		
Depth Driller	1408'		
Depth Logger	1405'		
Bottom Logged Interval	1403'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 42.80'		
Casing Logger	8.625" @ 42.80'		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW2		
Location	HOMINY ,OK		
Recorded By	LOWERY		
Witnessed By	MR. ASHLOCK		

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Comments

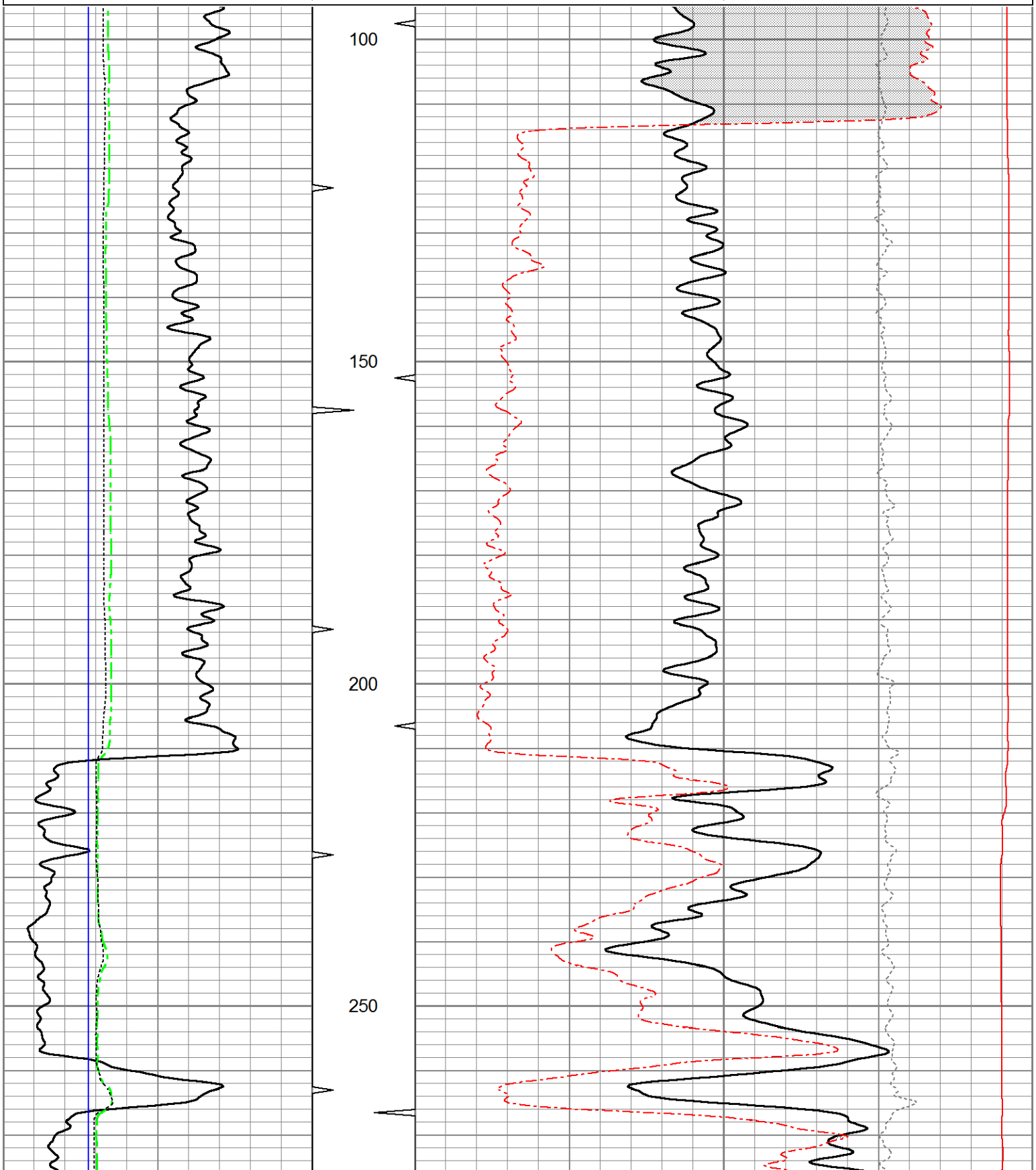
OW2-8824
MATRIX LIMESTON 2.71 G/CC
ABHV COMPUTED WITH 4 1/2 CASING

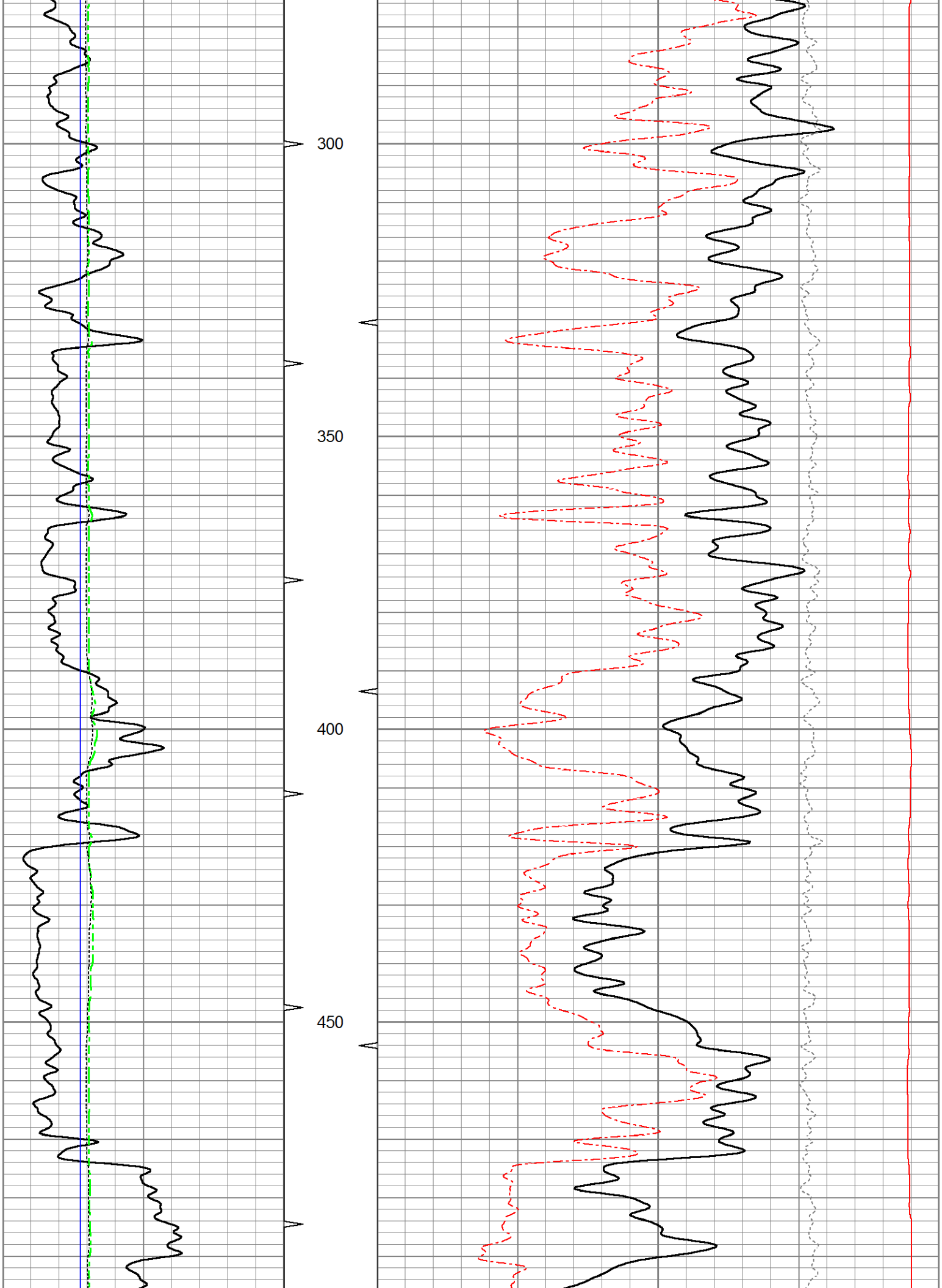
CREW : SHAMBLES

5" CDL/SWN SECTION

Database File	ow2-8824 colt energy.db
Dataset Pathname	CDL/merge2
Presentation Format	_neu4
Dataset Creation	Wed May 13 15:45:13 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)		-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)		-10
4	Neutron Caliper (in)	14			-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14			5000	Line Tension (lb)	0

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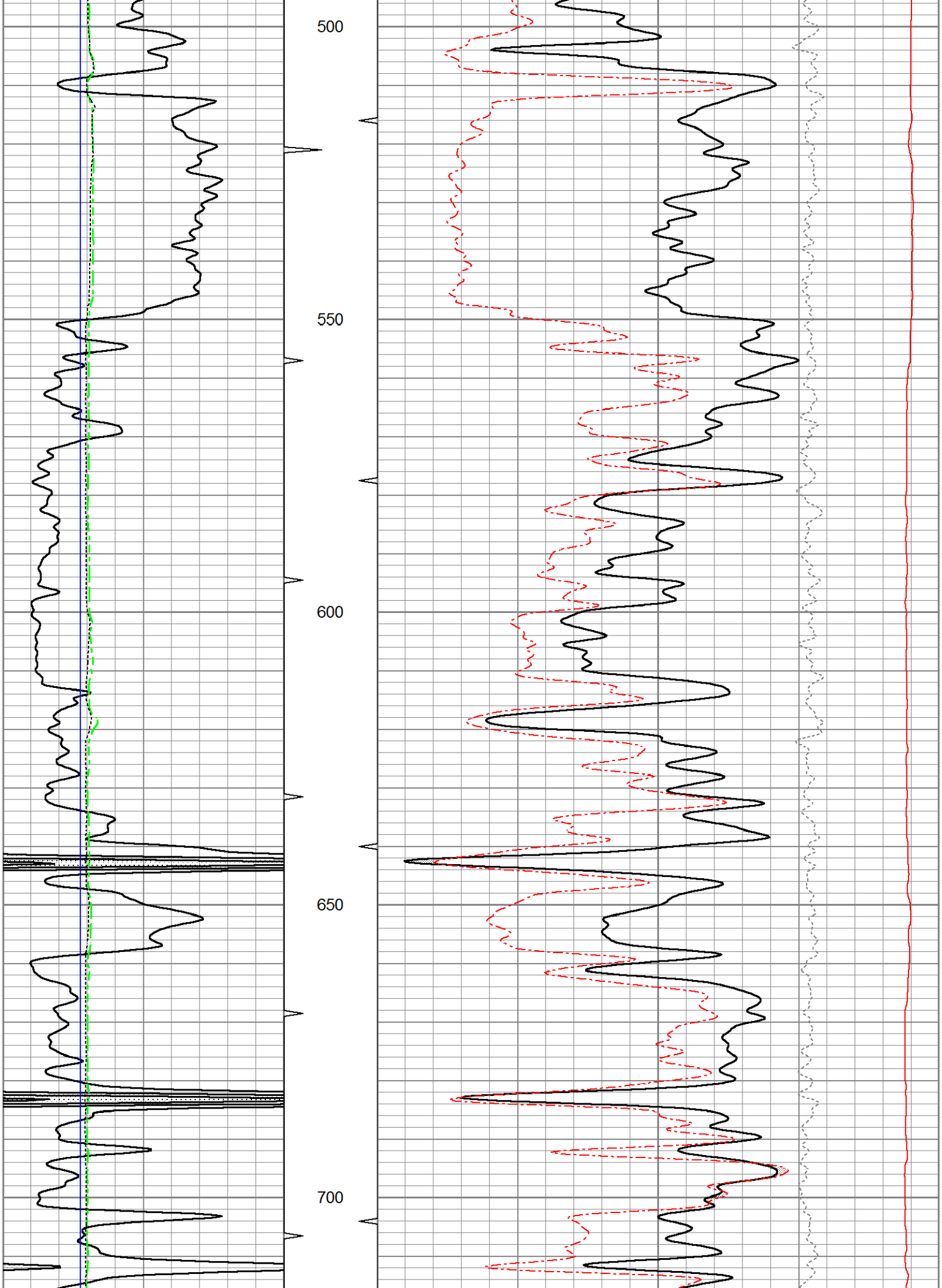
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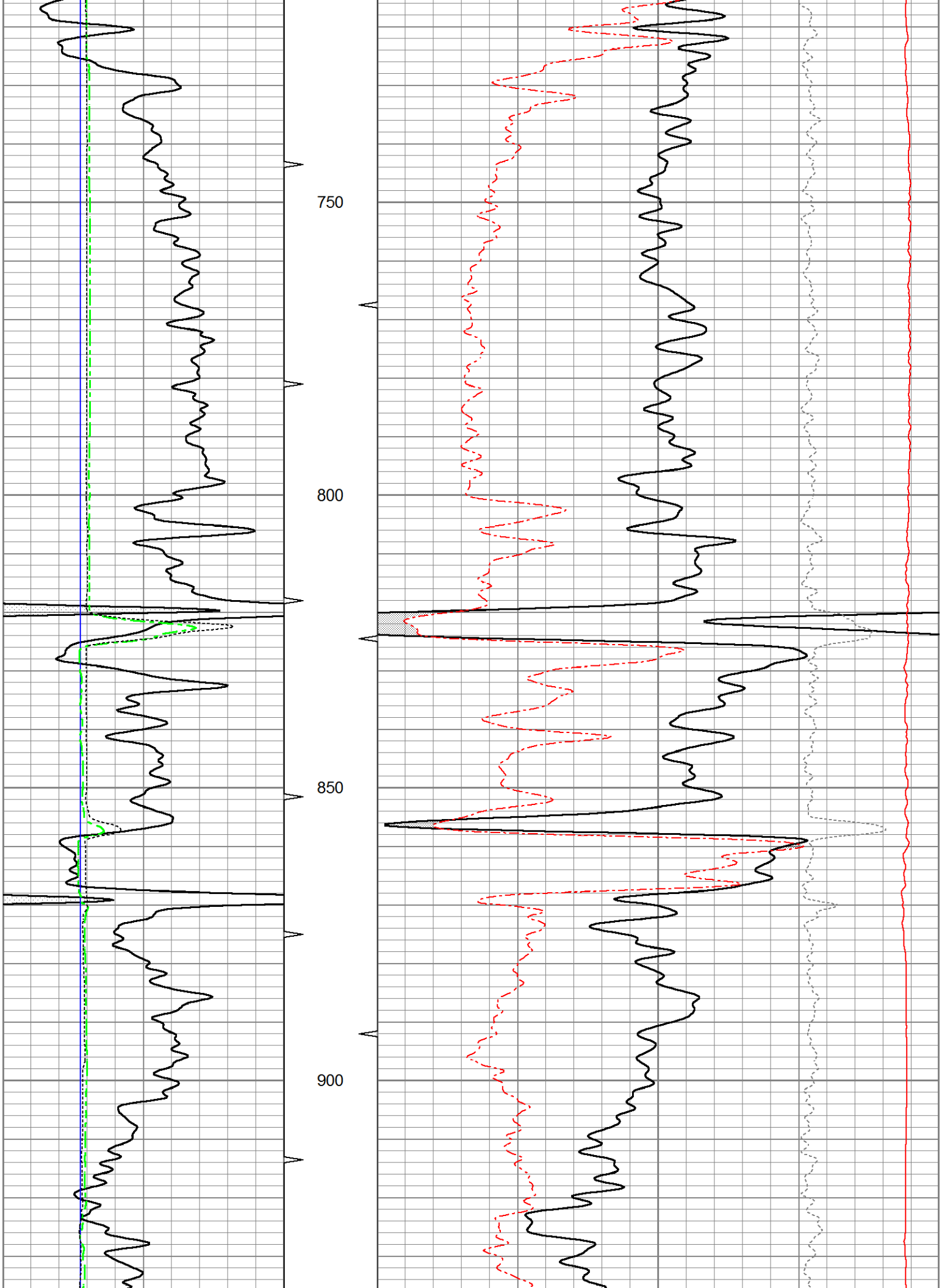
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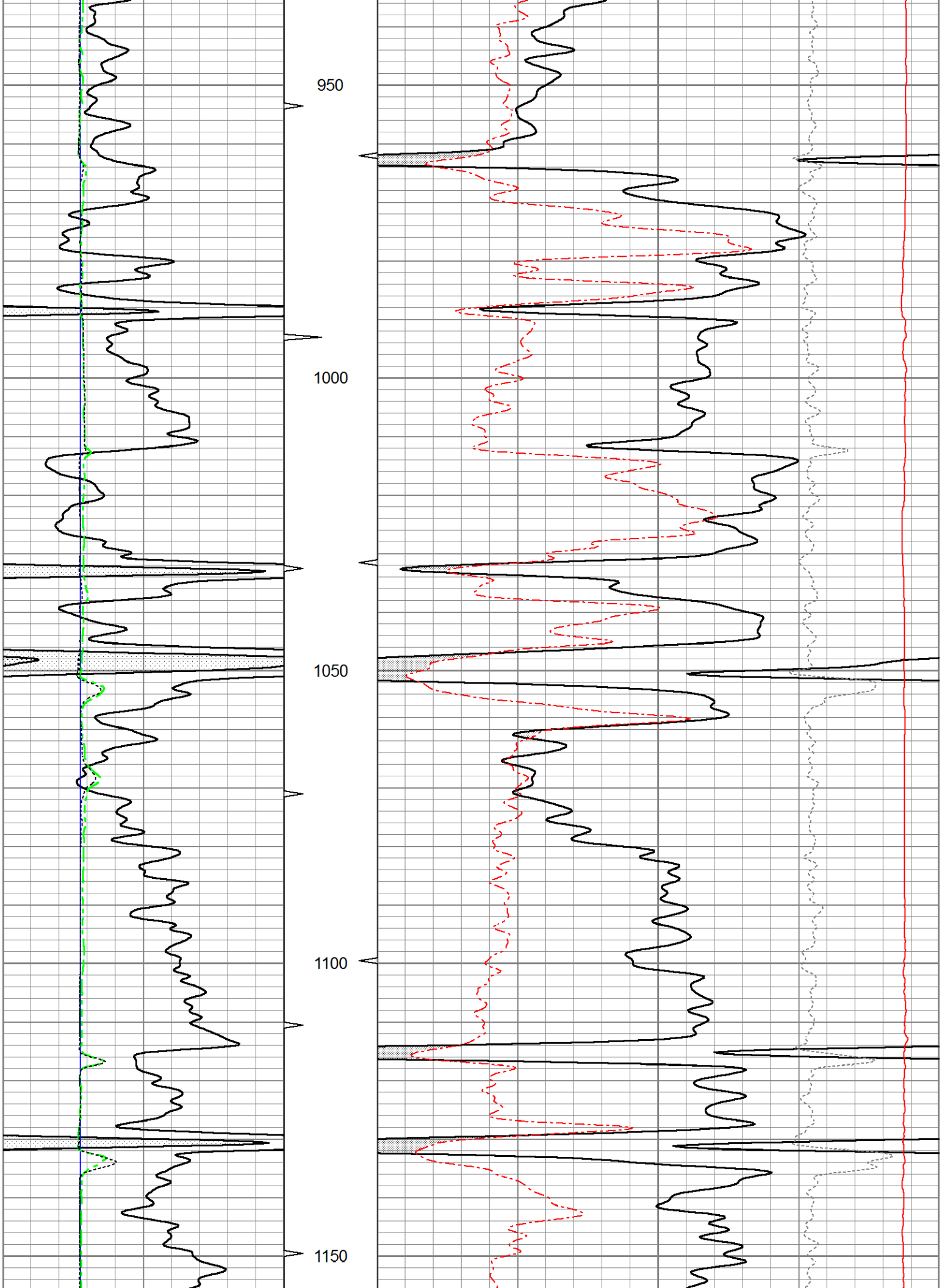
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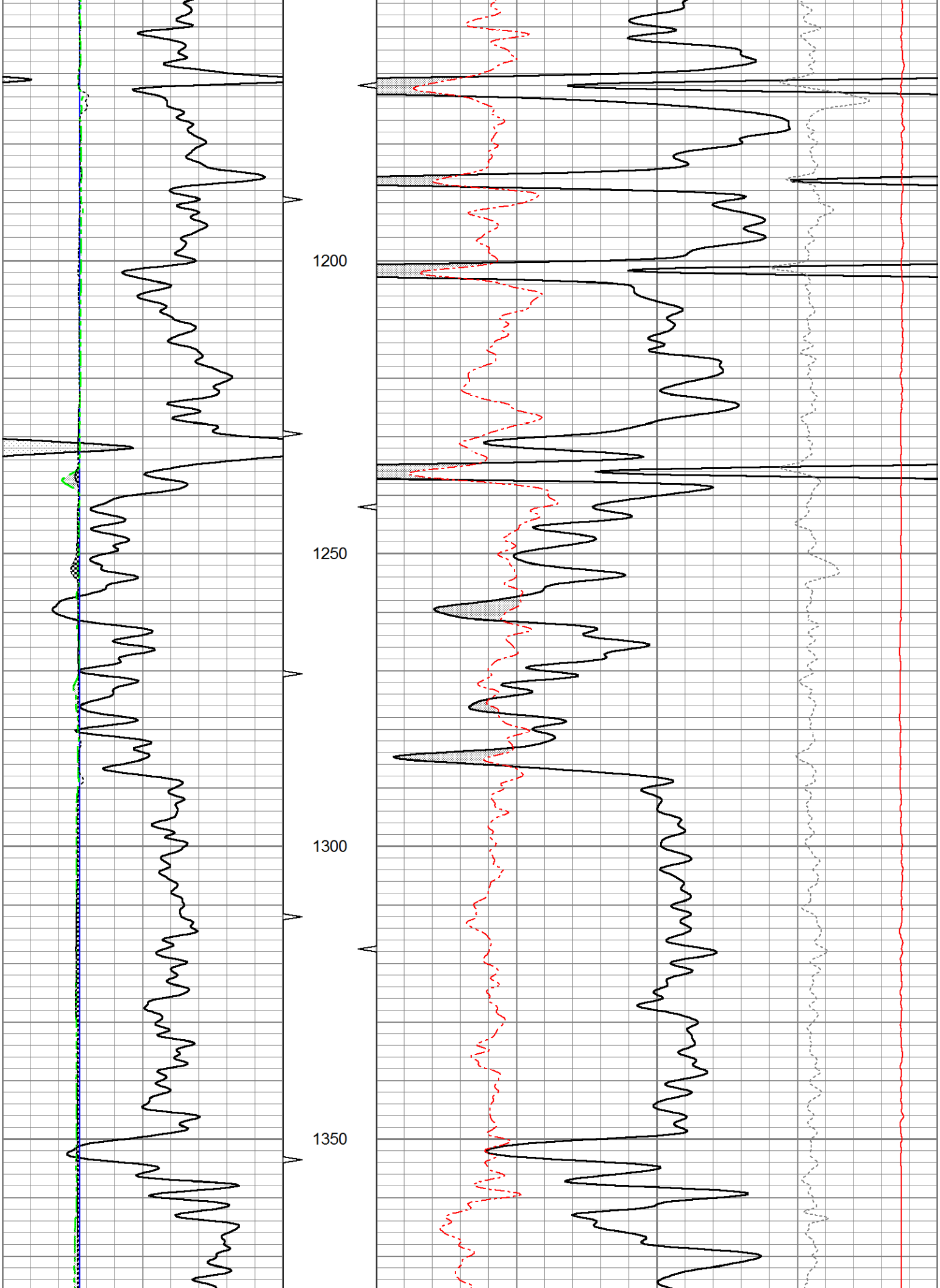
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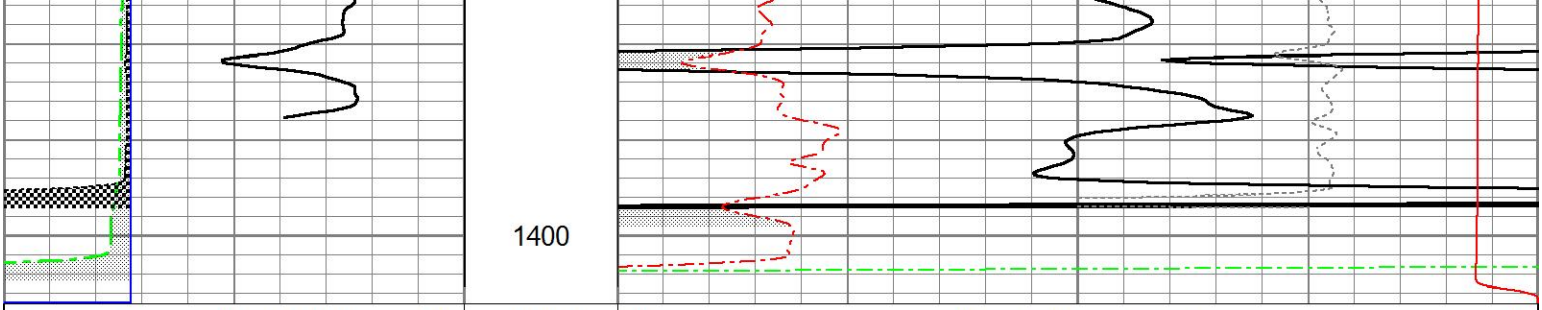
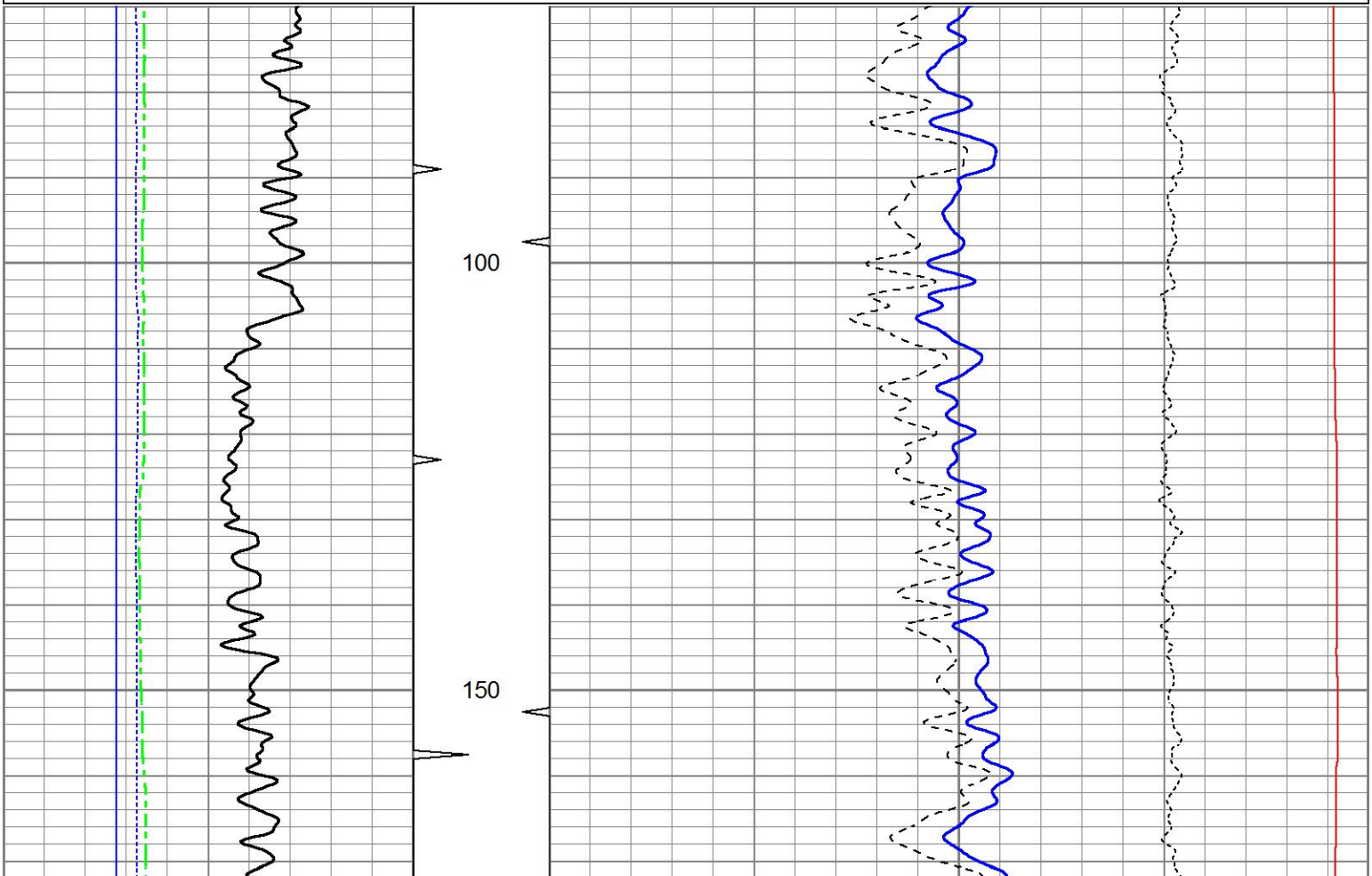


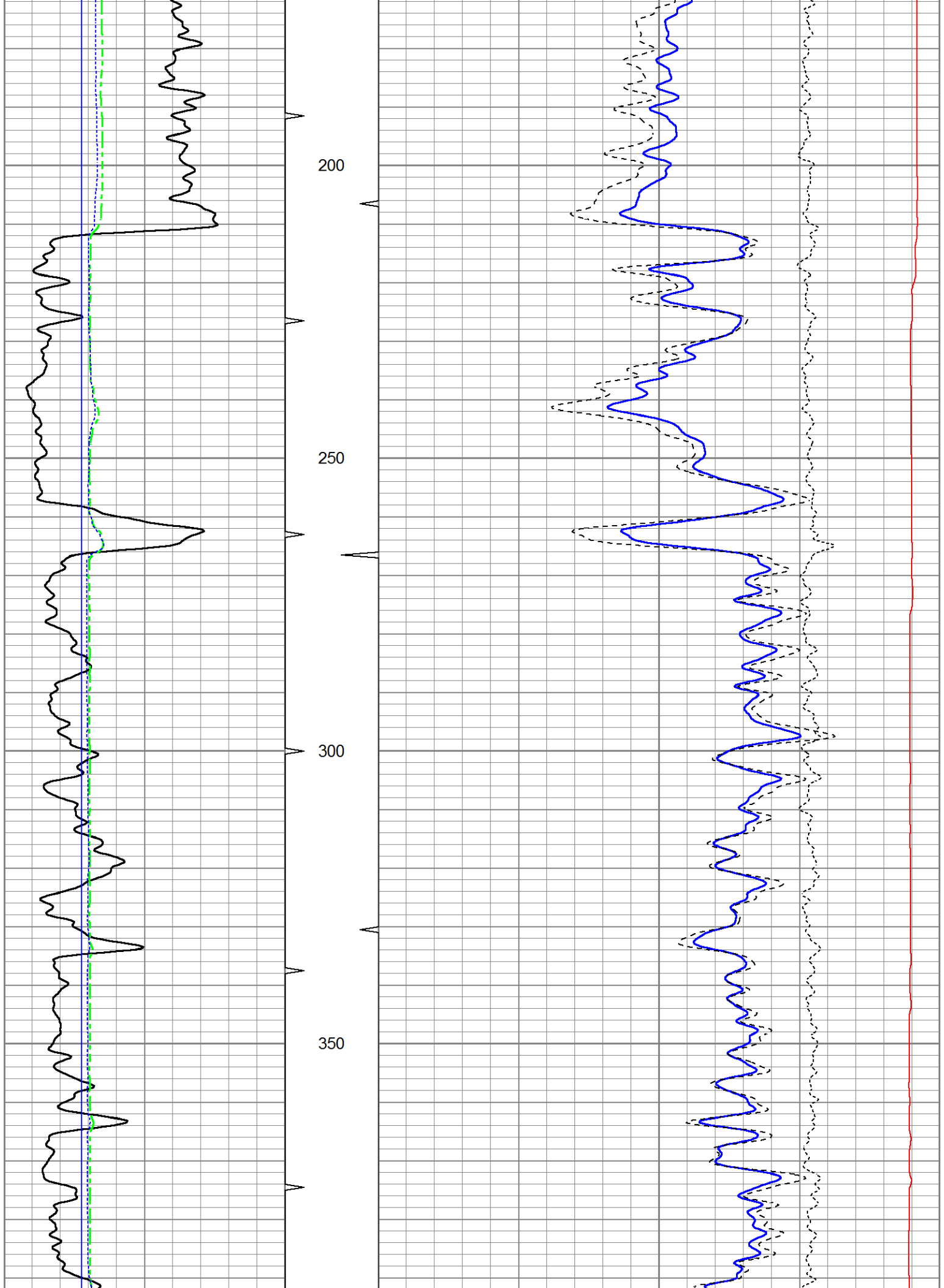
0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)		-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)		-10
4	Neutron Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Density Caliper (in)	14				5000 Line Tension (lb)	0

5" CDL SECTION

Database File	ow2-8824 colt energy.db
Dataset Pathname	CDL/merge1
Presentation Format	bulk4
Dataset Creation	Wed May 13 15:43:47 2015
Charted by	Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Neutron Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Density Caliper (in)	14				5000 Line Tension (lb)	0

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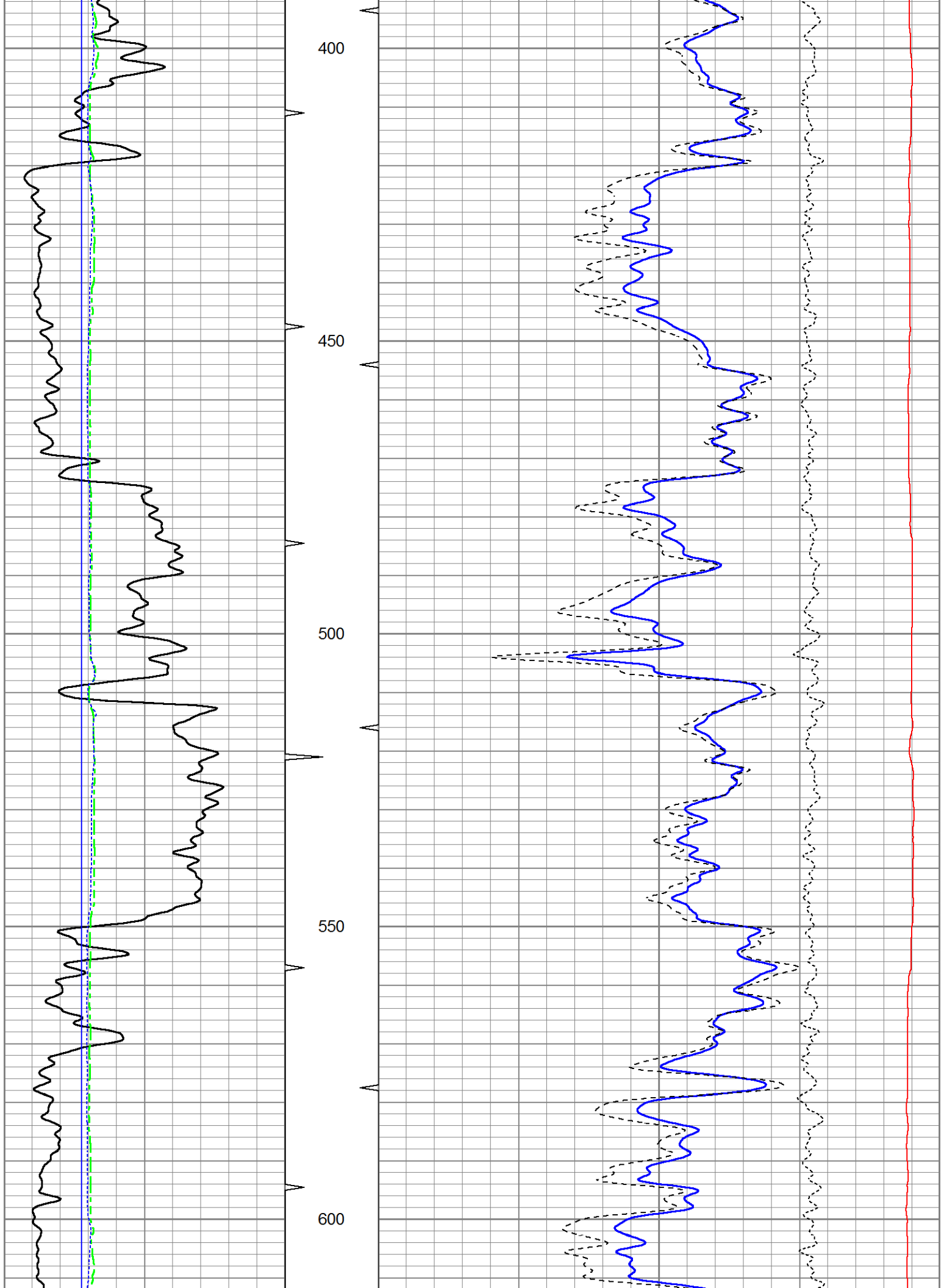
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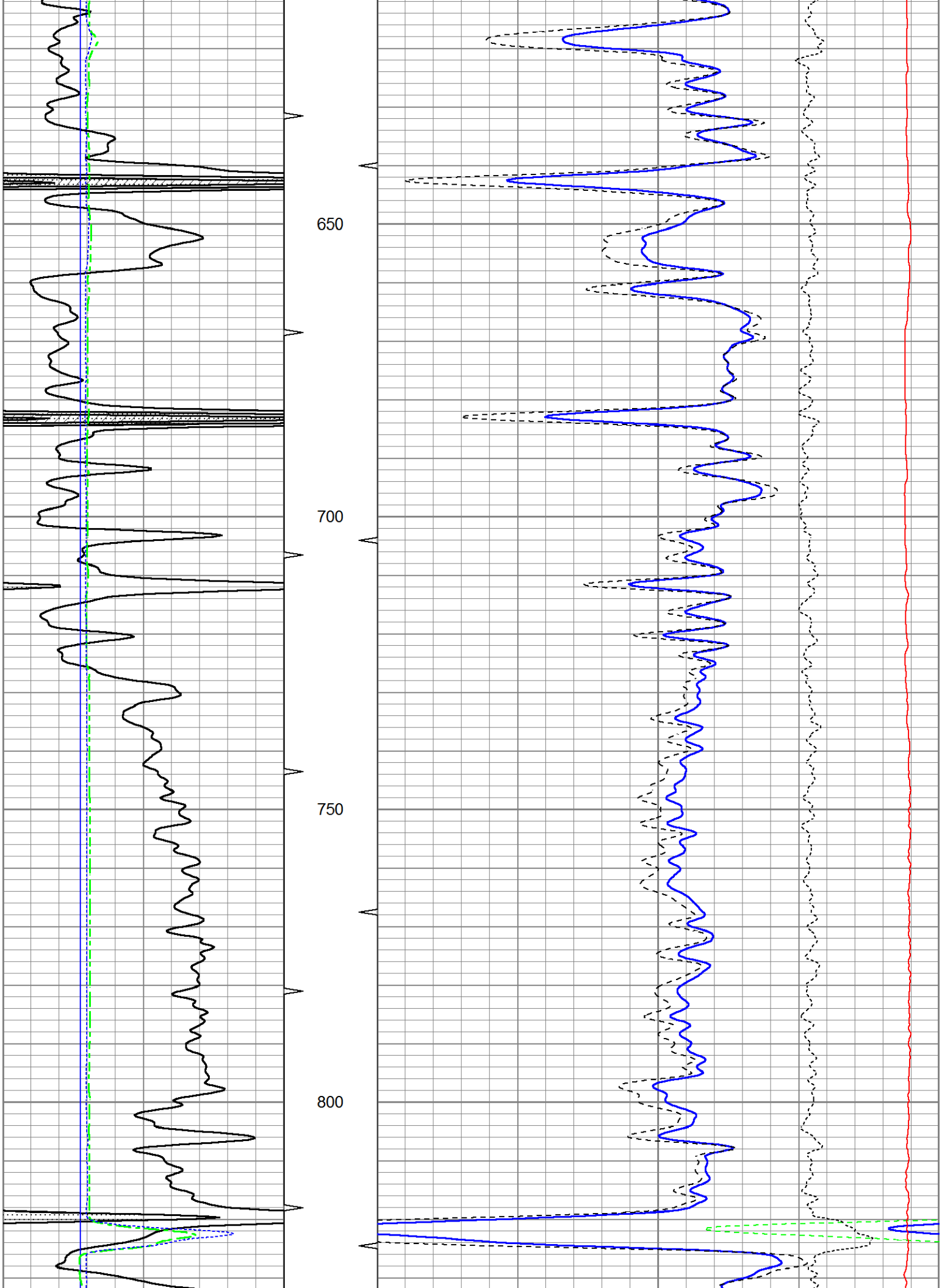
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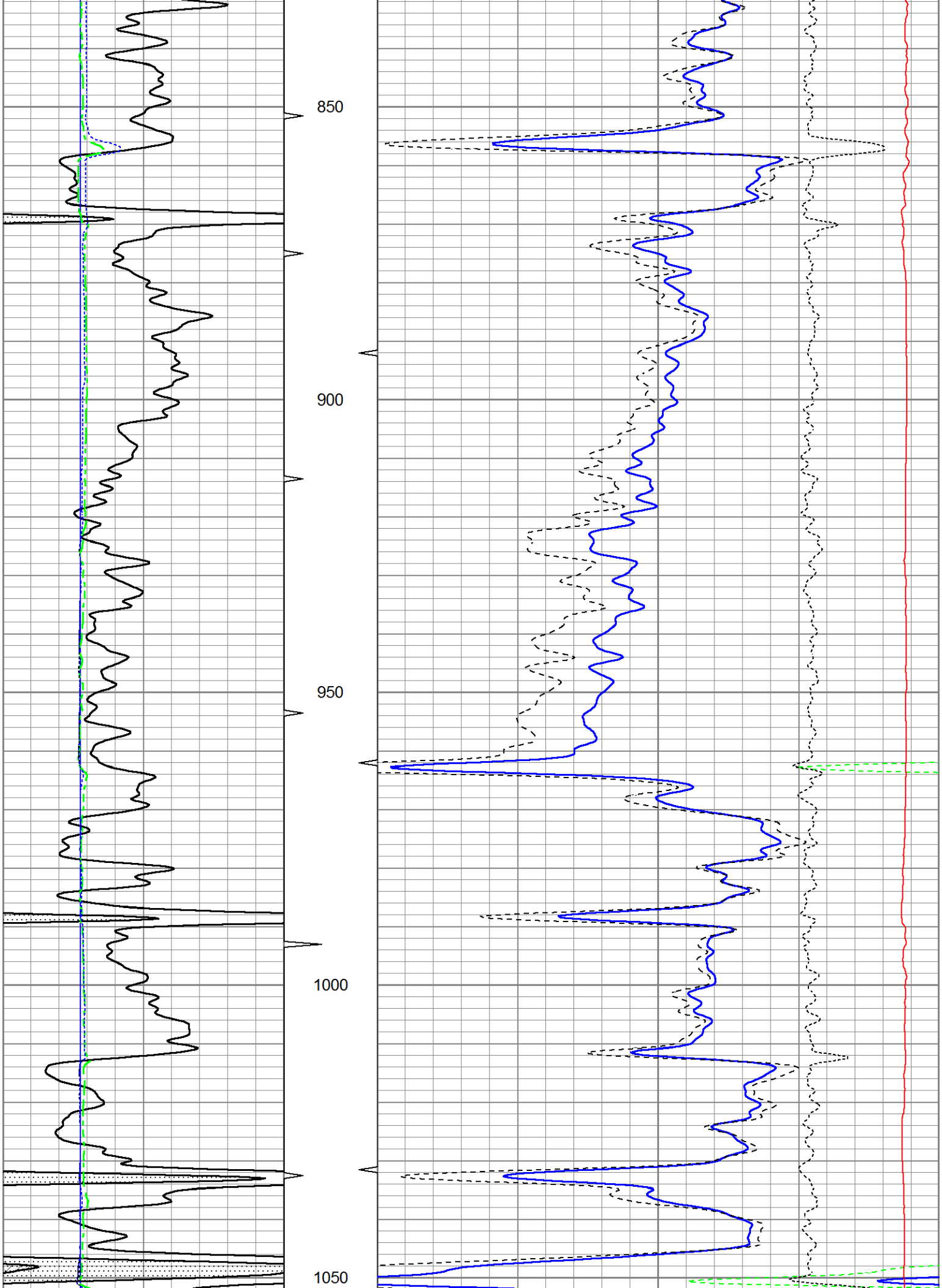
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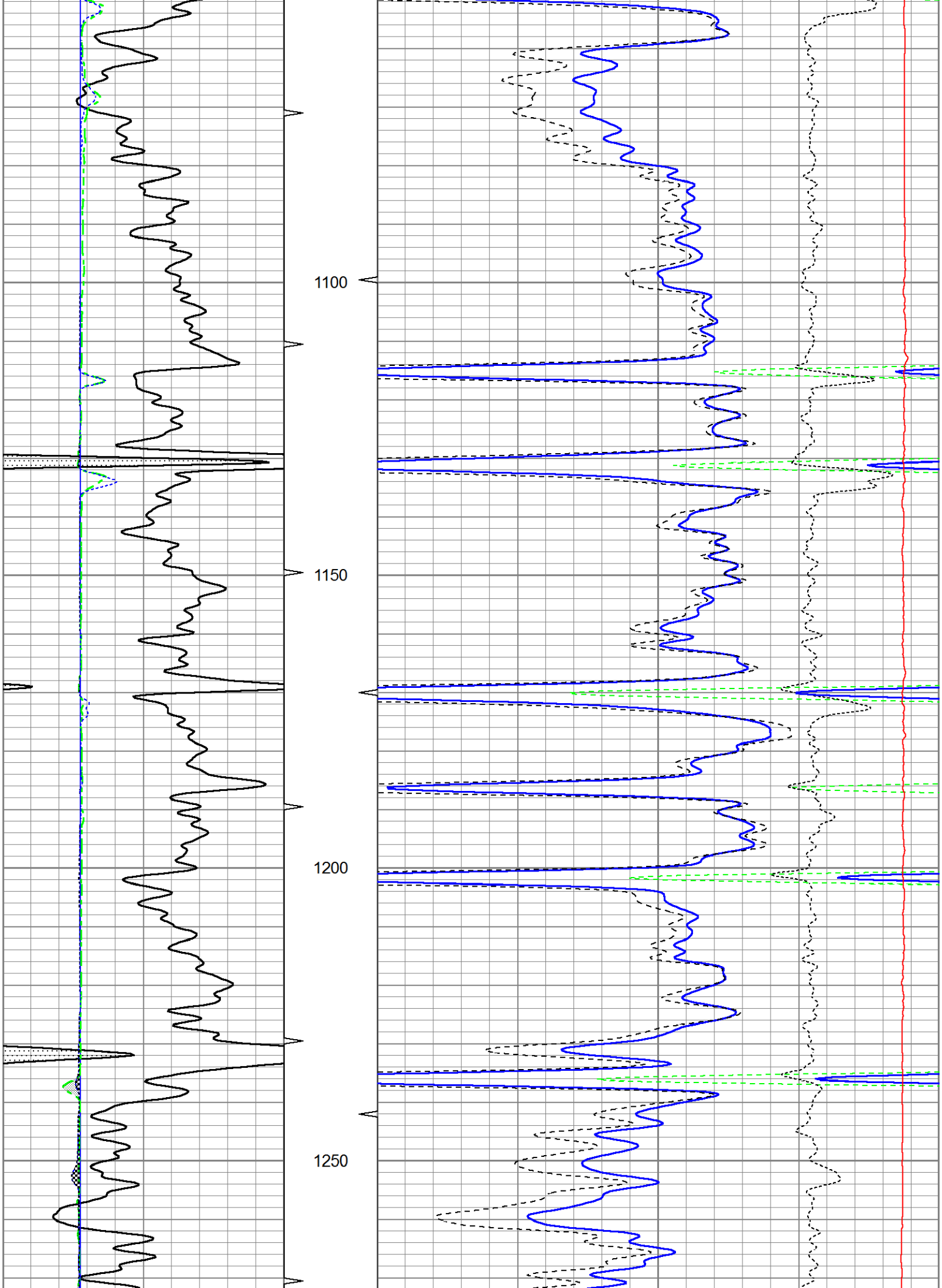
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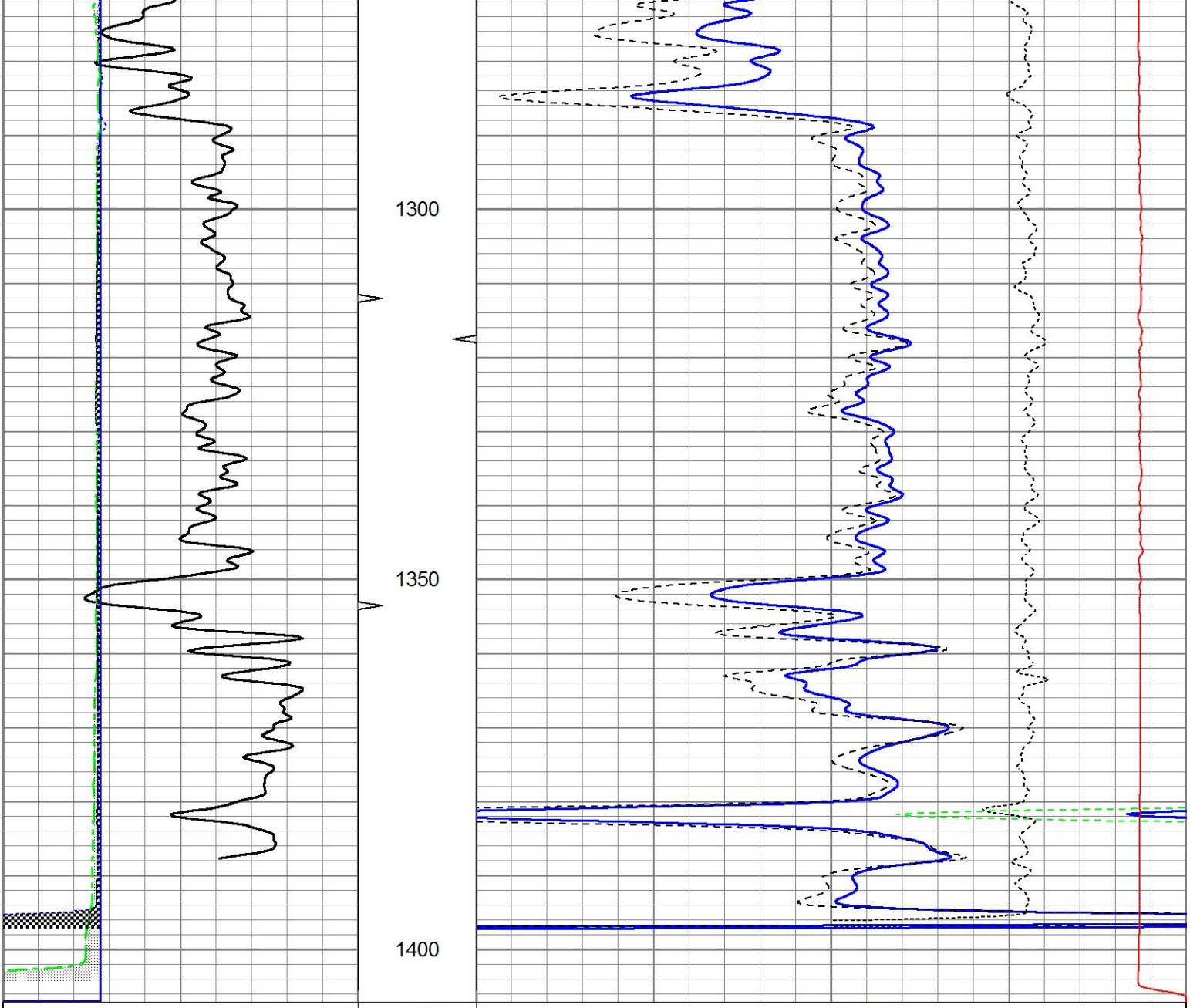

0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Neutron Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Density Caliper (in)	14				5000 Line Tension (lb)	0

25" HR CDL SECTION

Database File	ow2-8824 colt energy.db
Dataset Pathname	CDL/merge3
Presentation Format	bulk4hr
Dataset Creation	Wed May 13 15:47:15 2015
Charted by	Depth in Feet scaled 1:48

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4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
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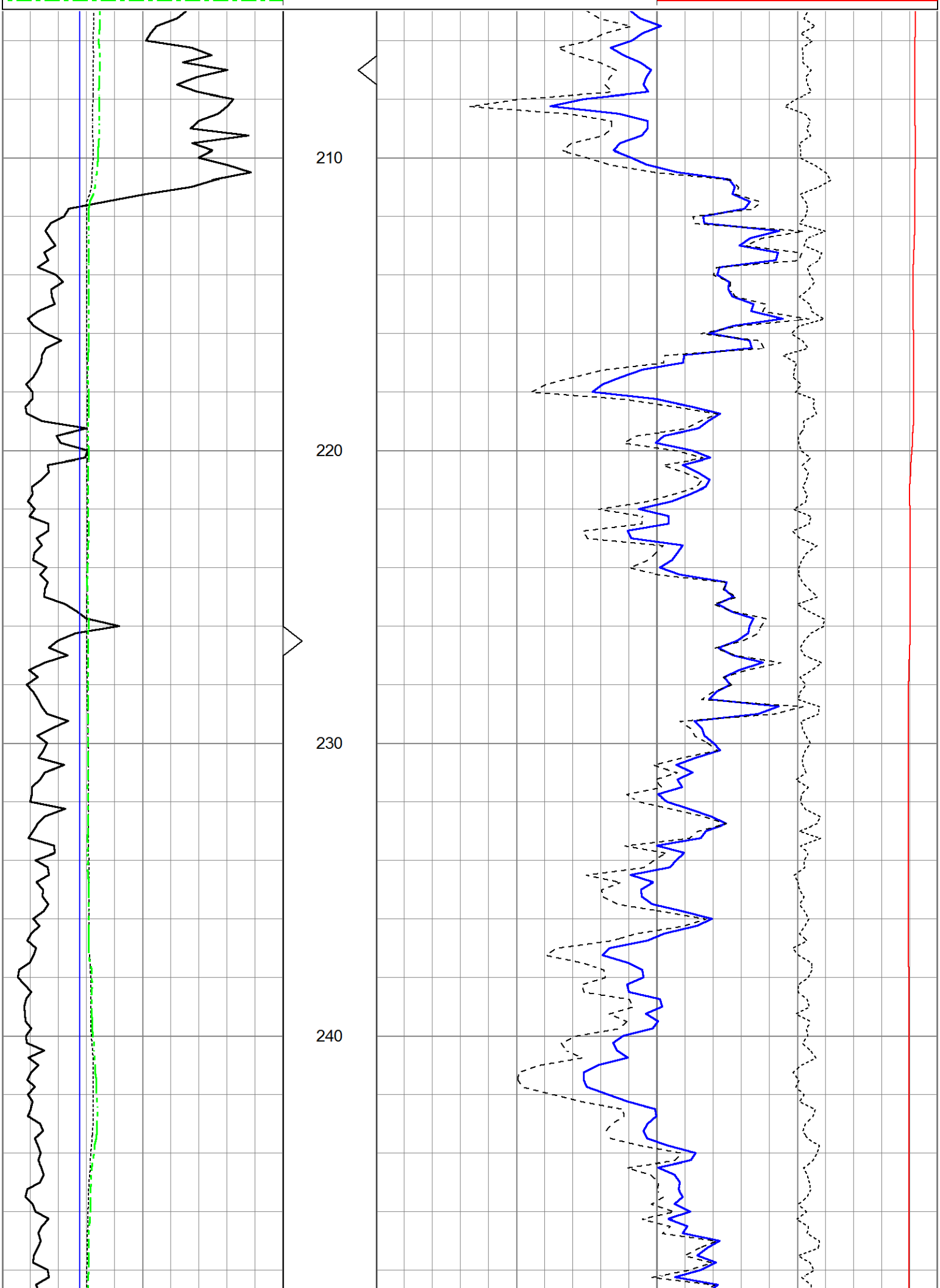
4	Neutron Caliper (in)	14				5000 Line Tension (lb)	0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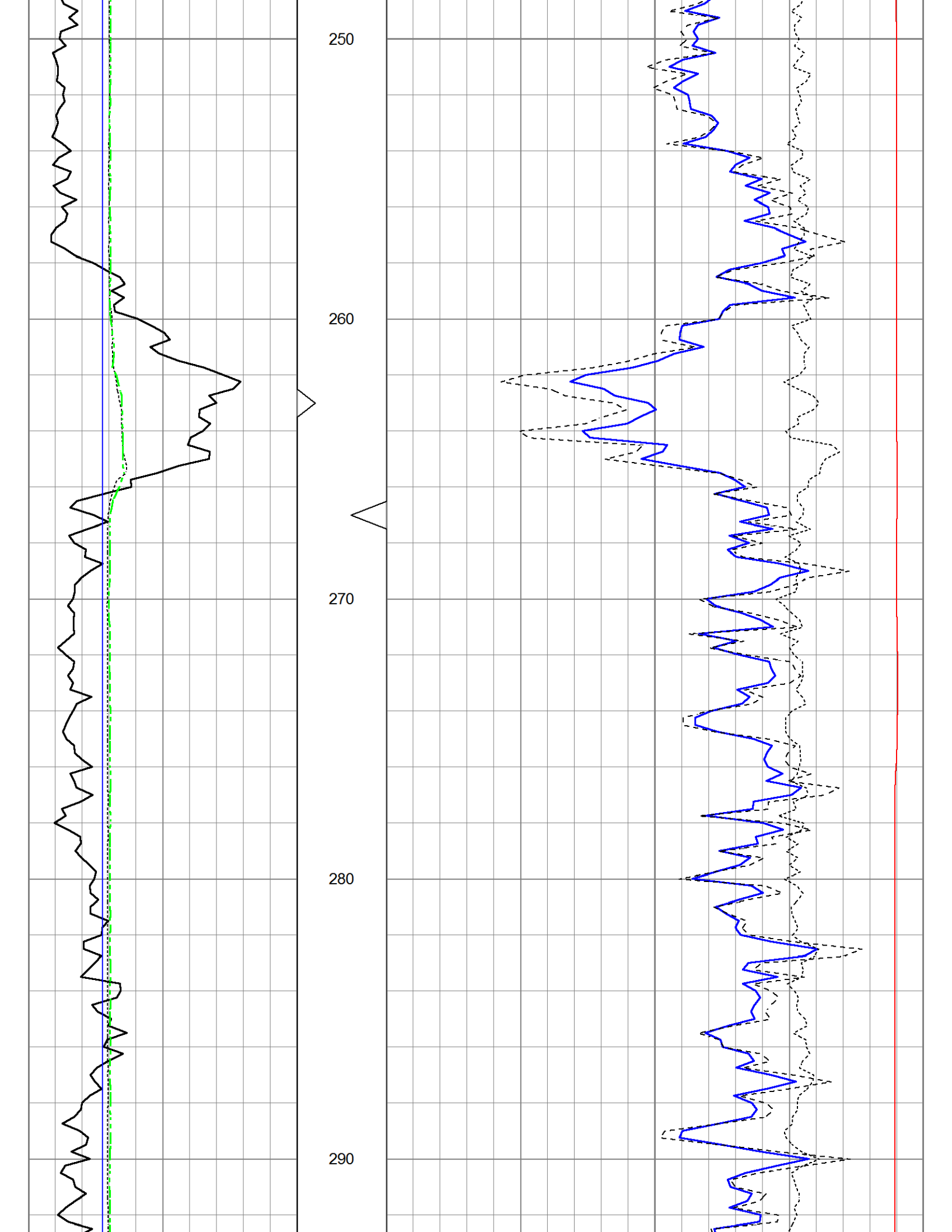
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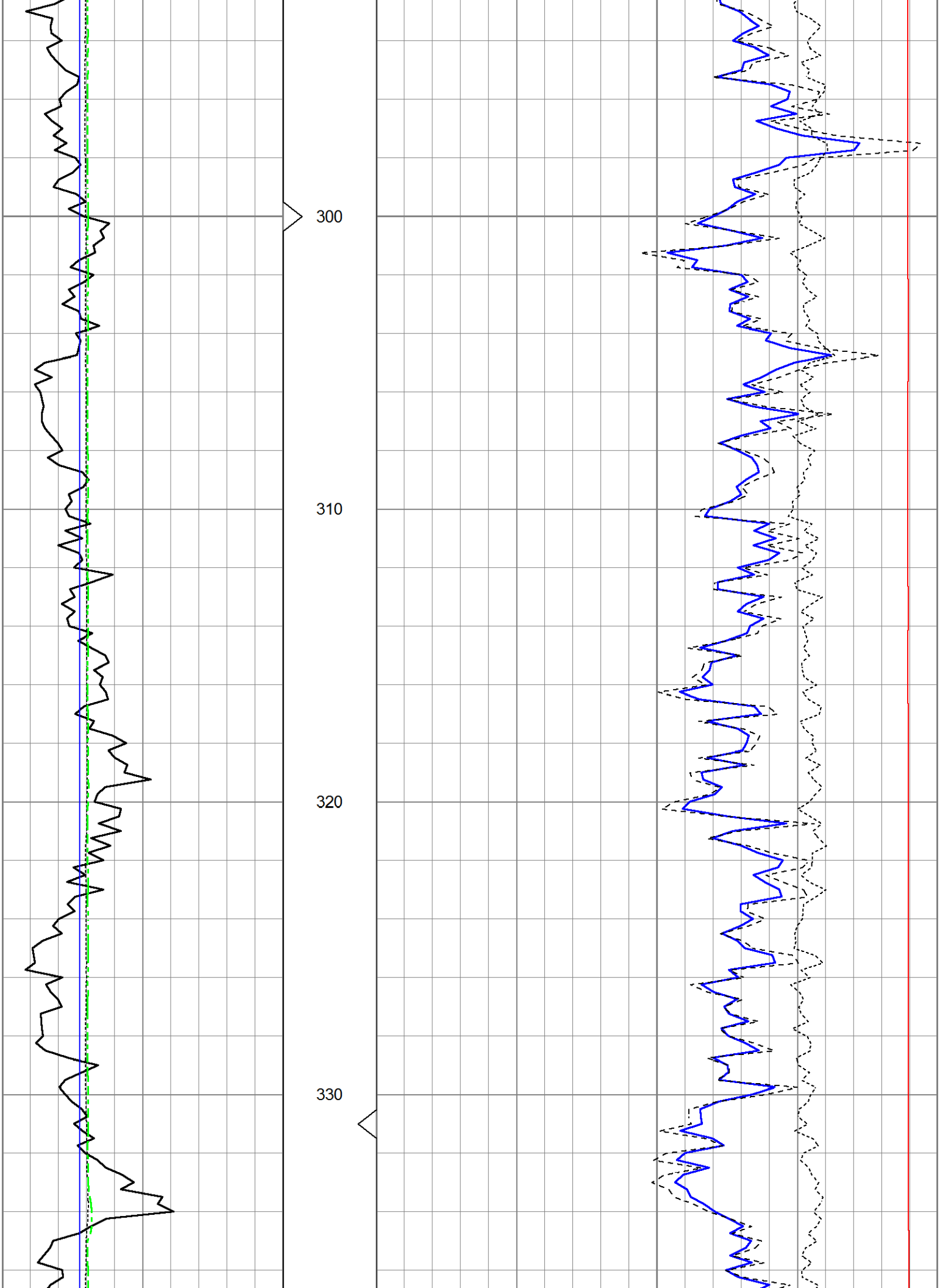
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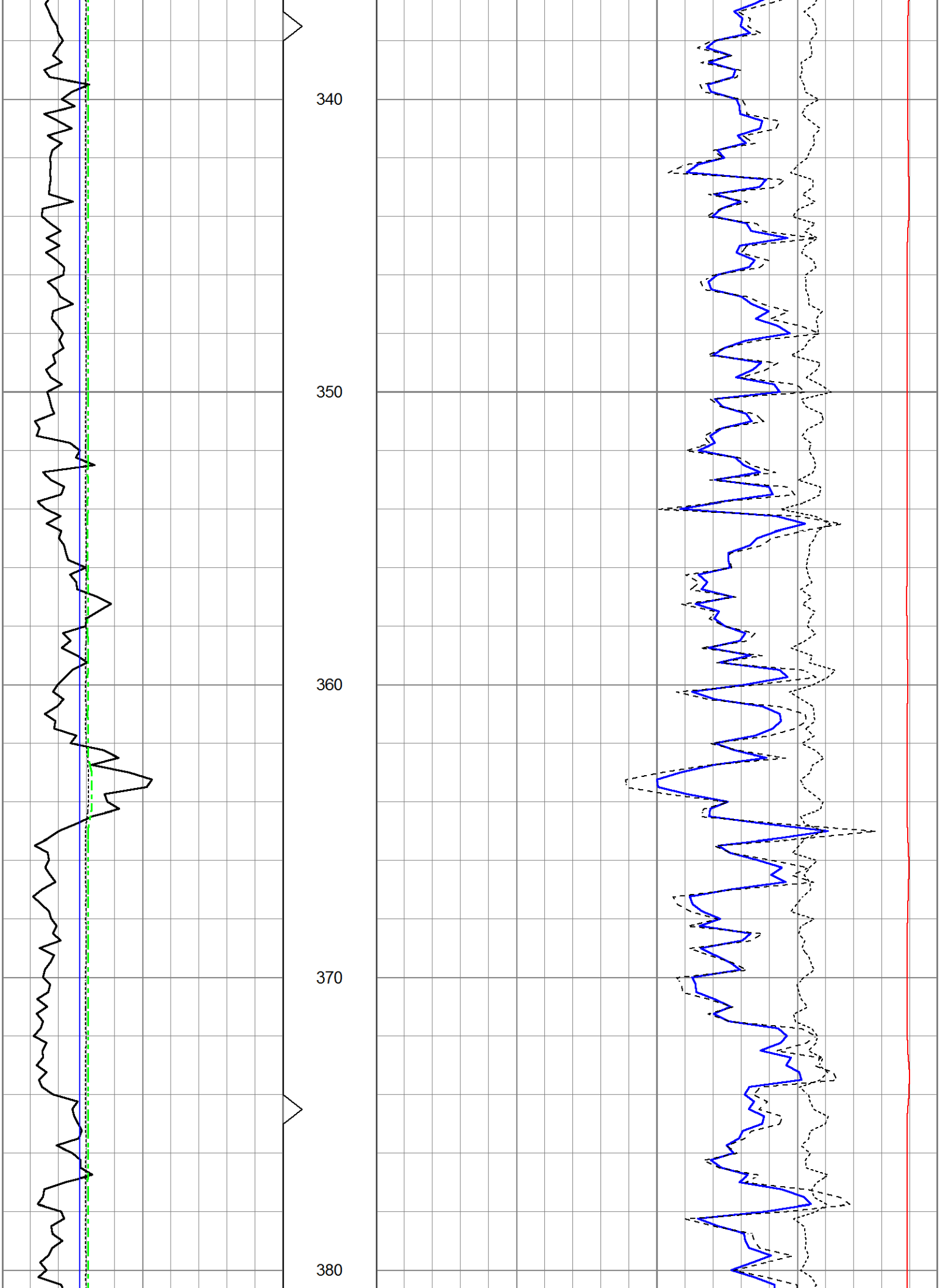
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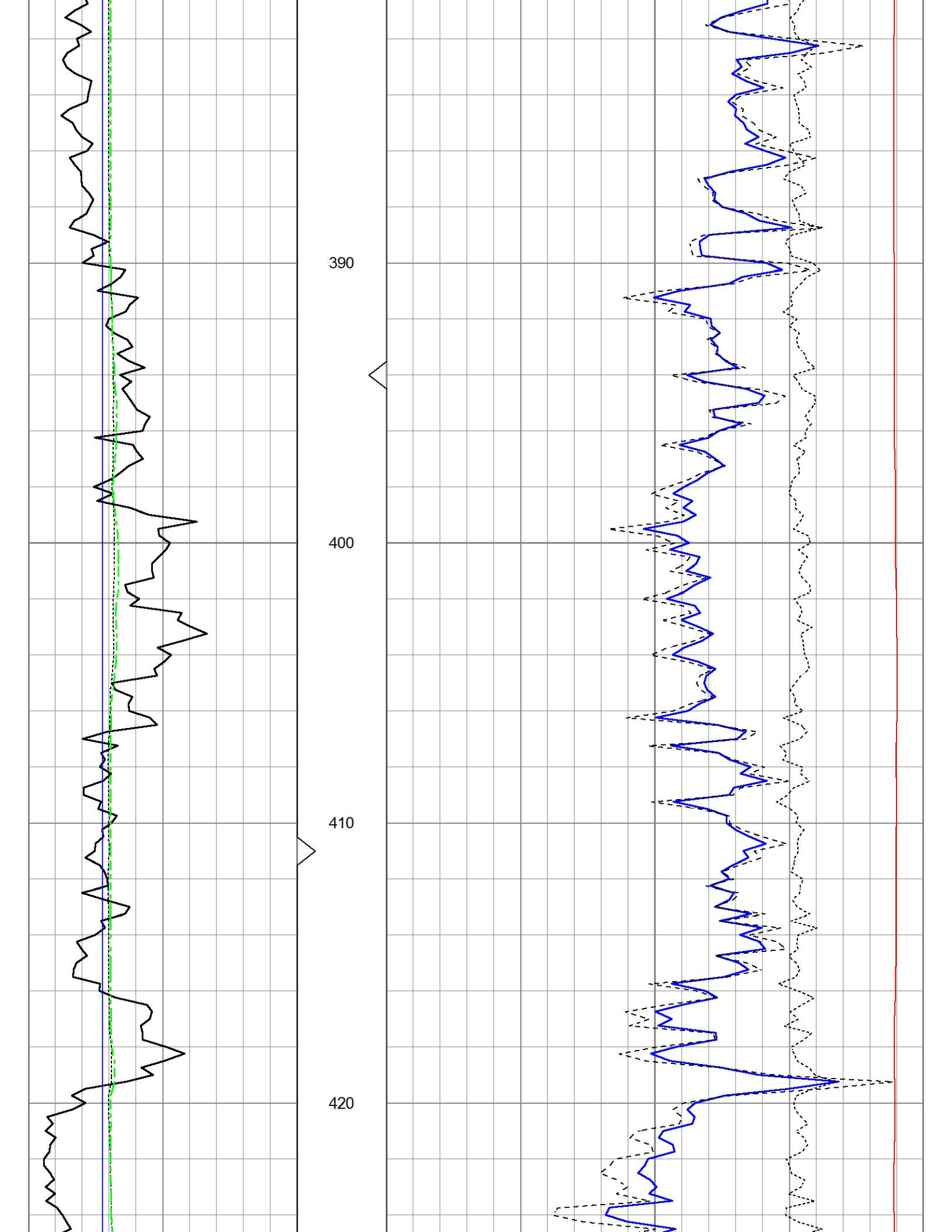
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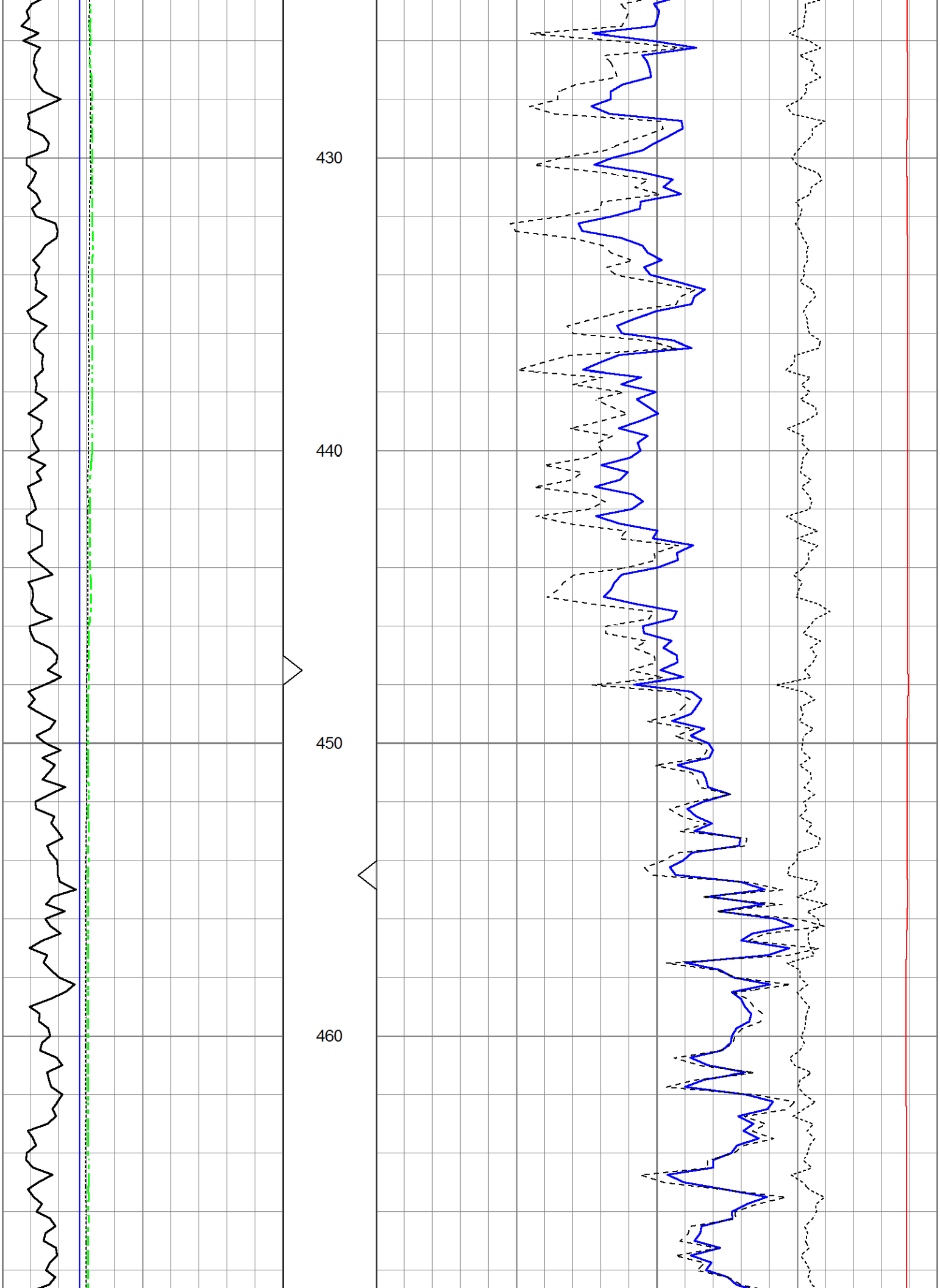
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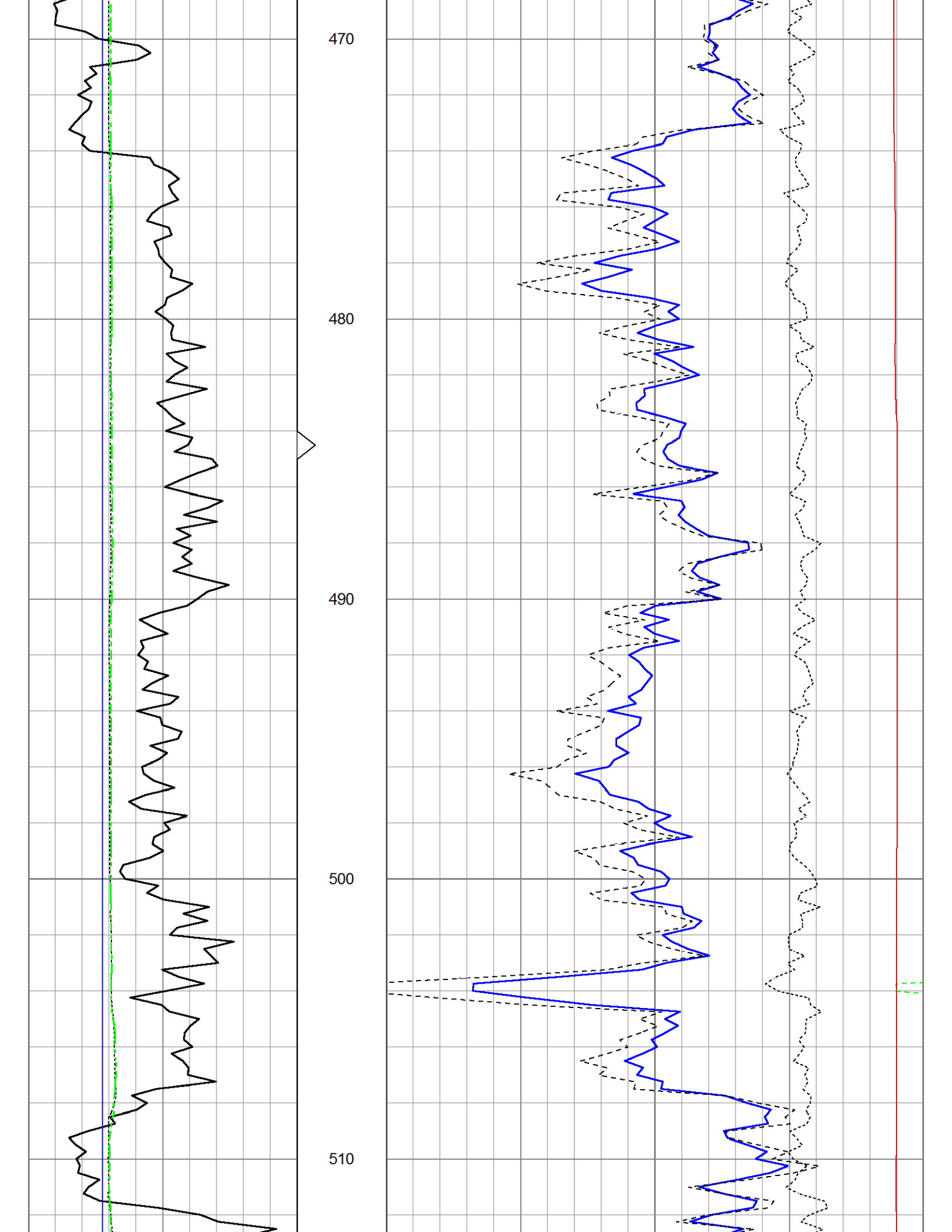
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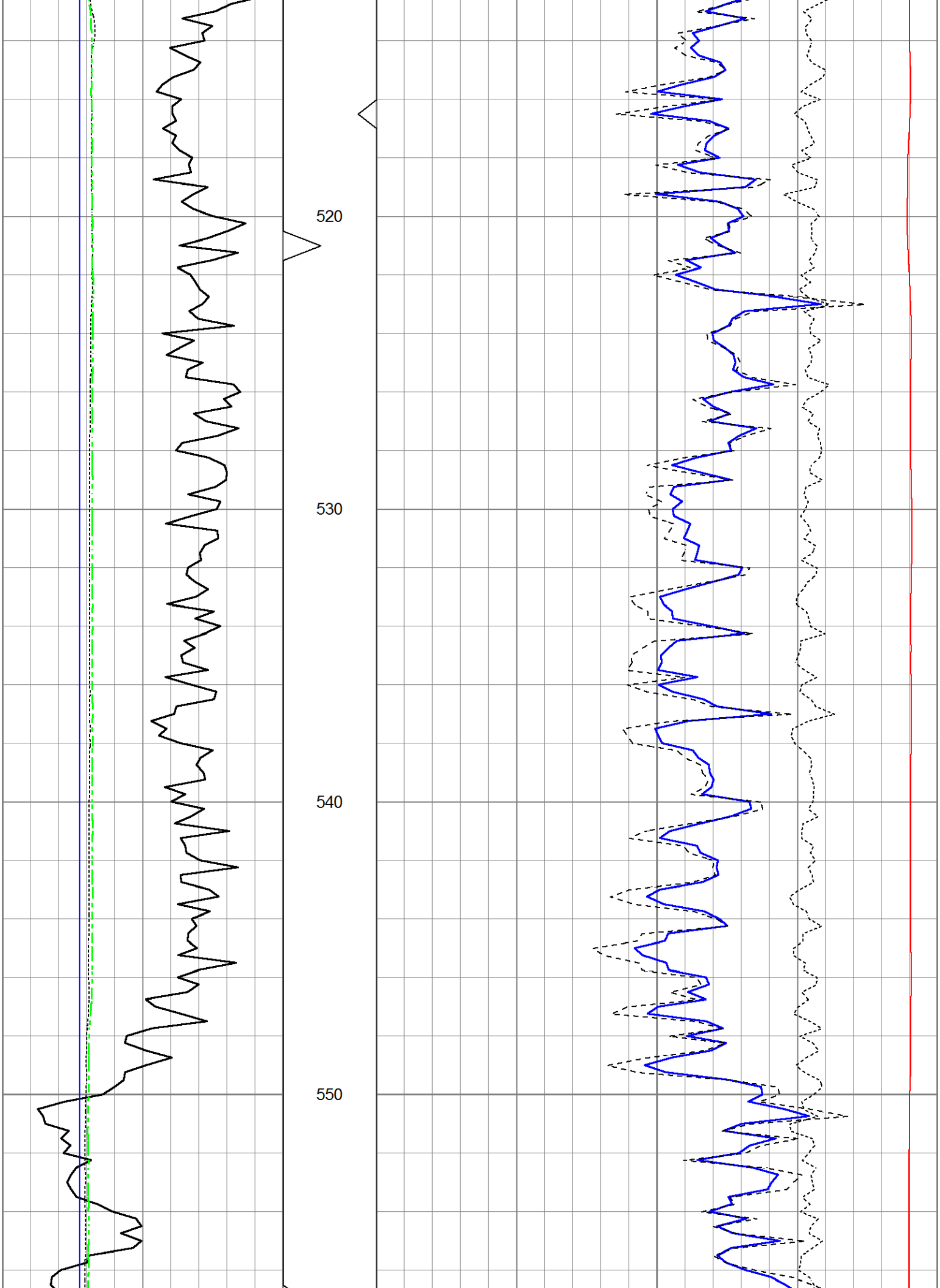
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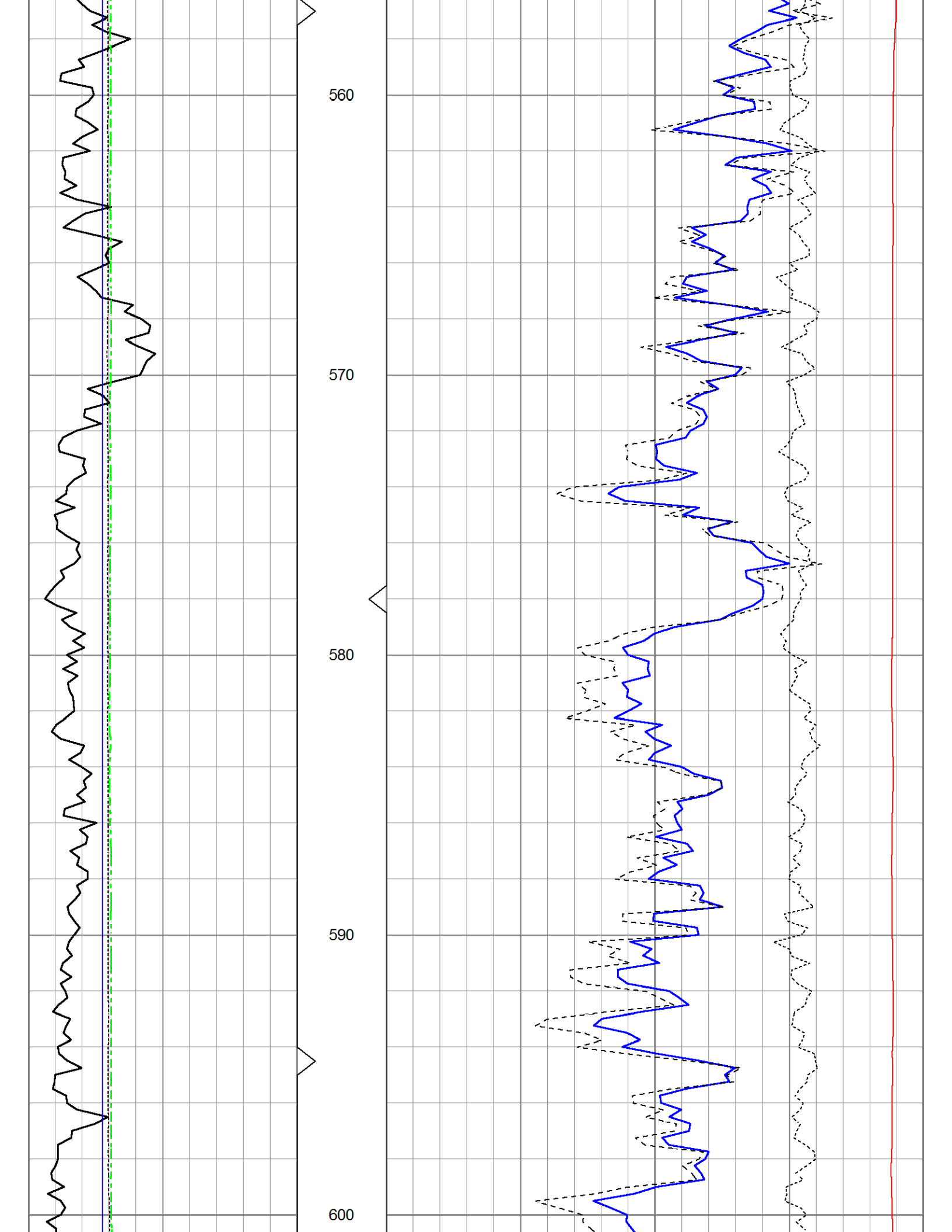
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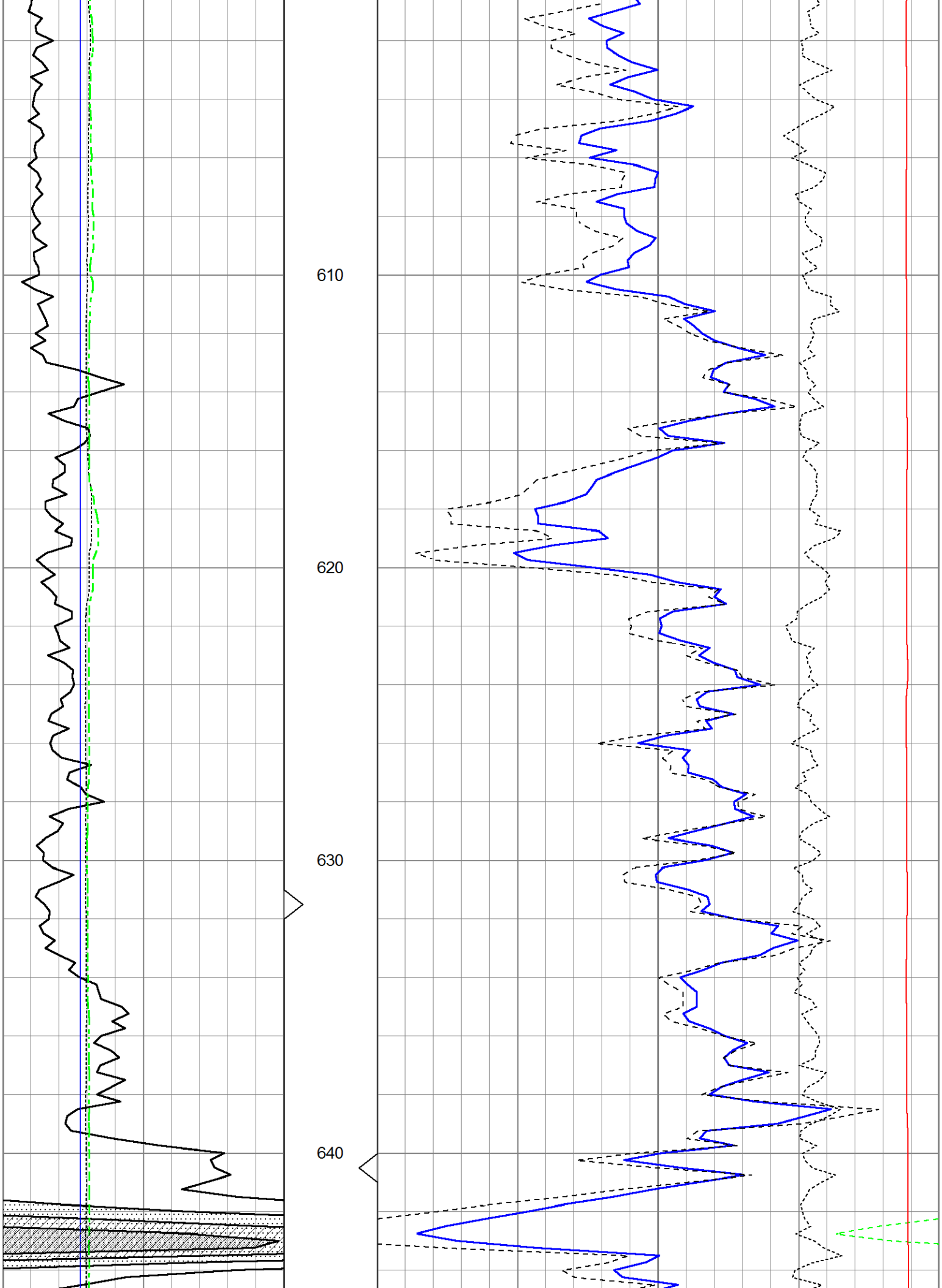
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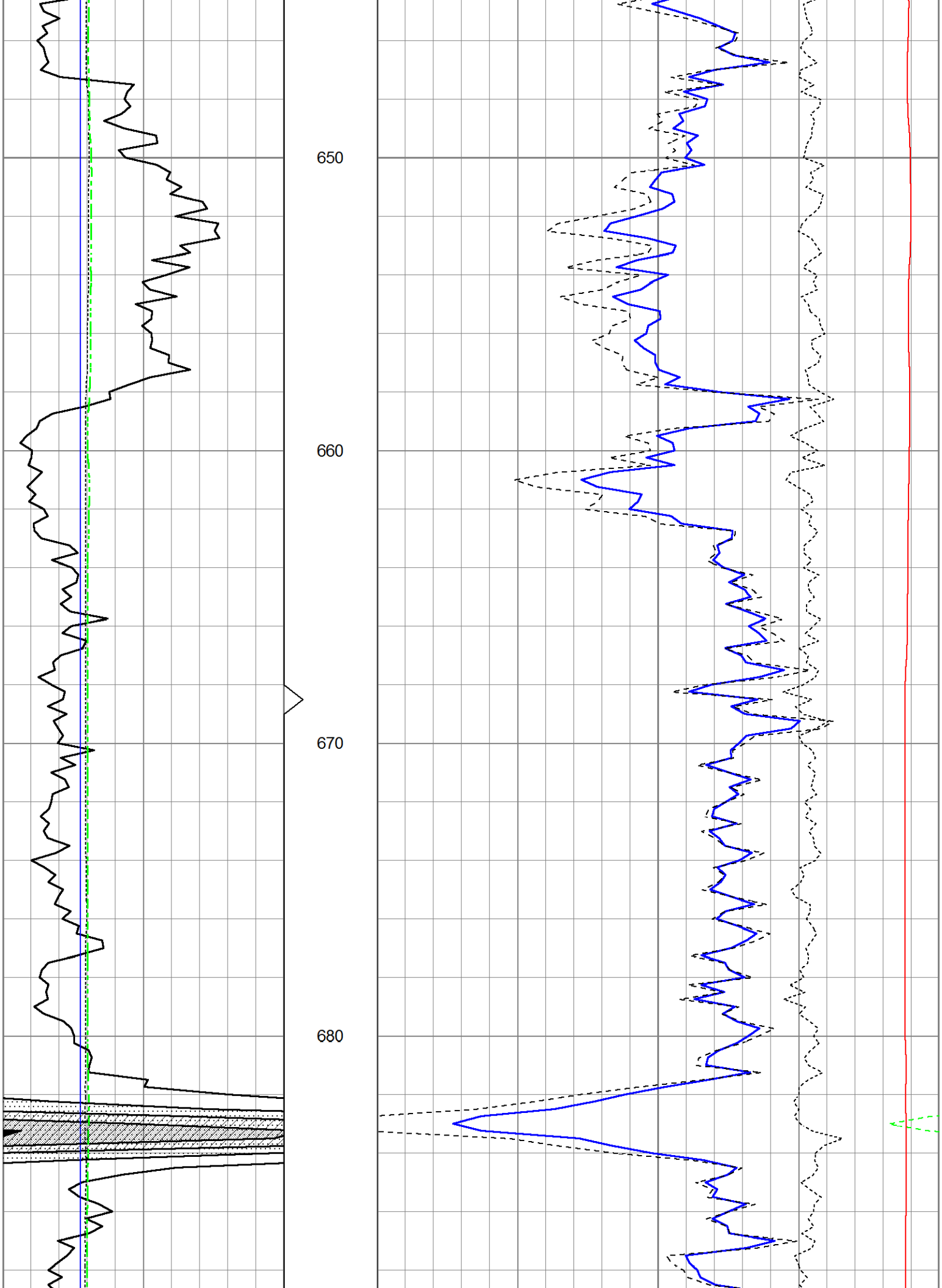
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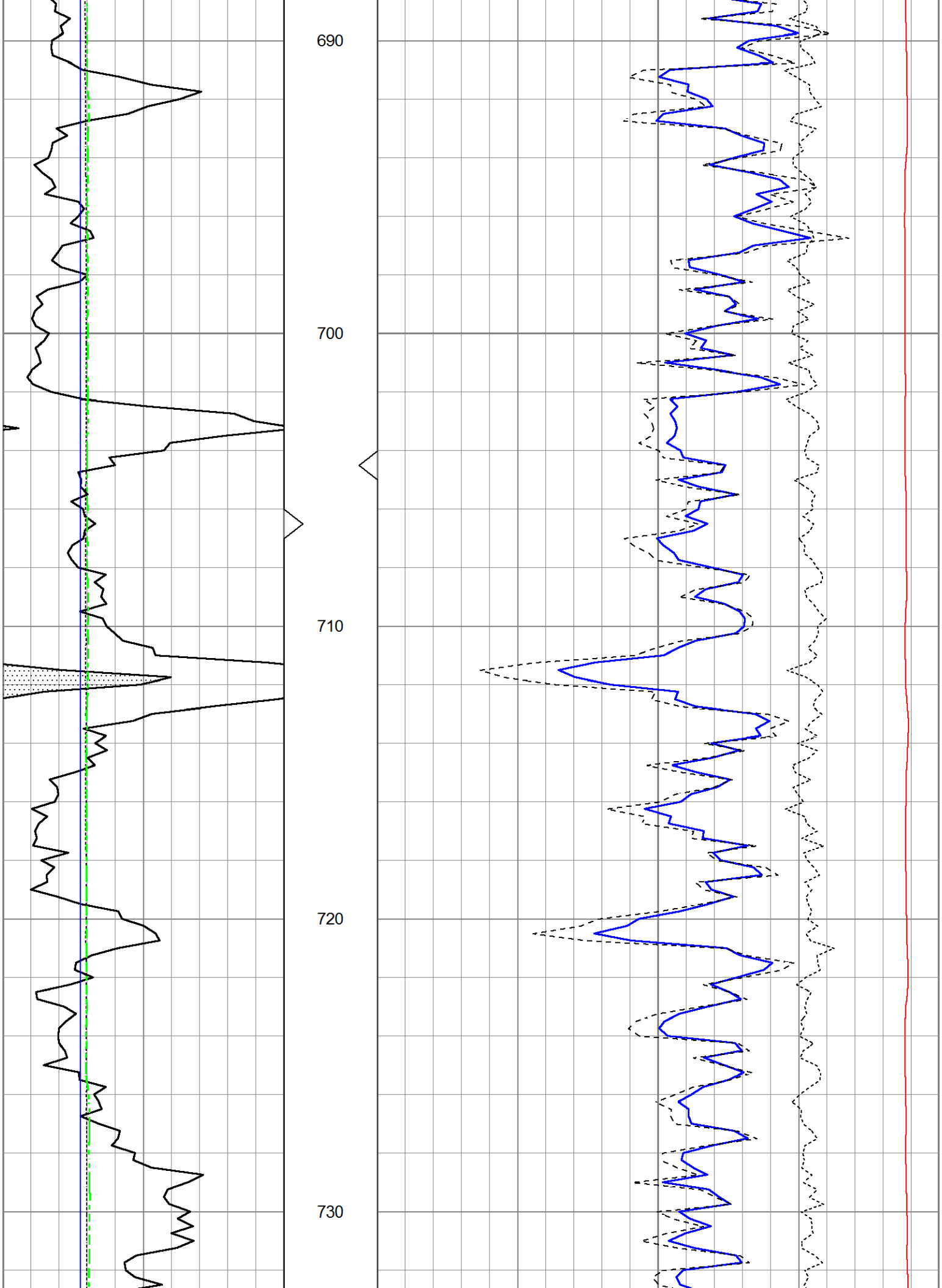
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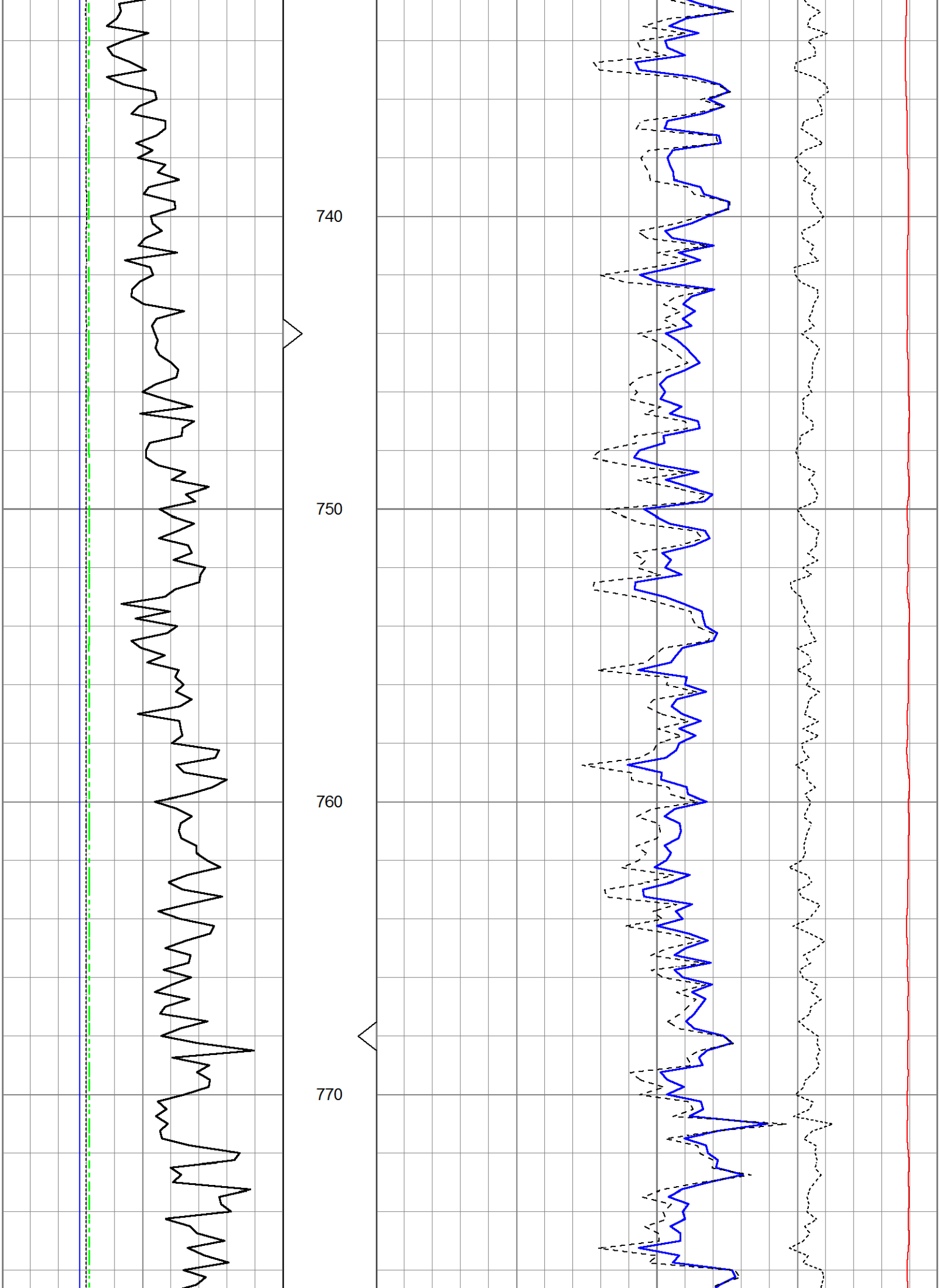
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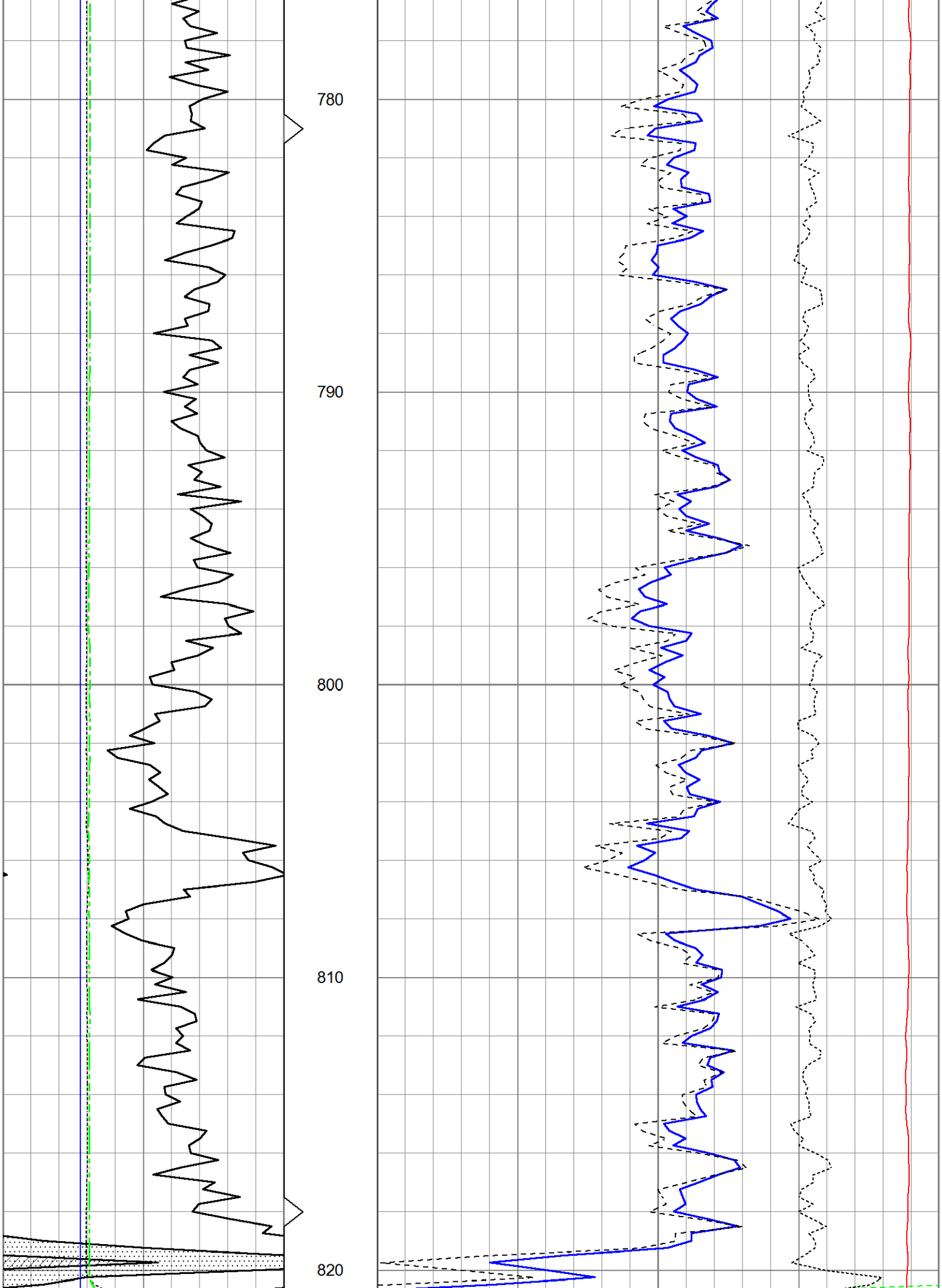
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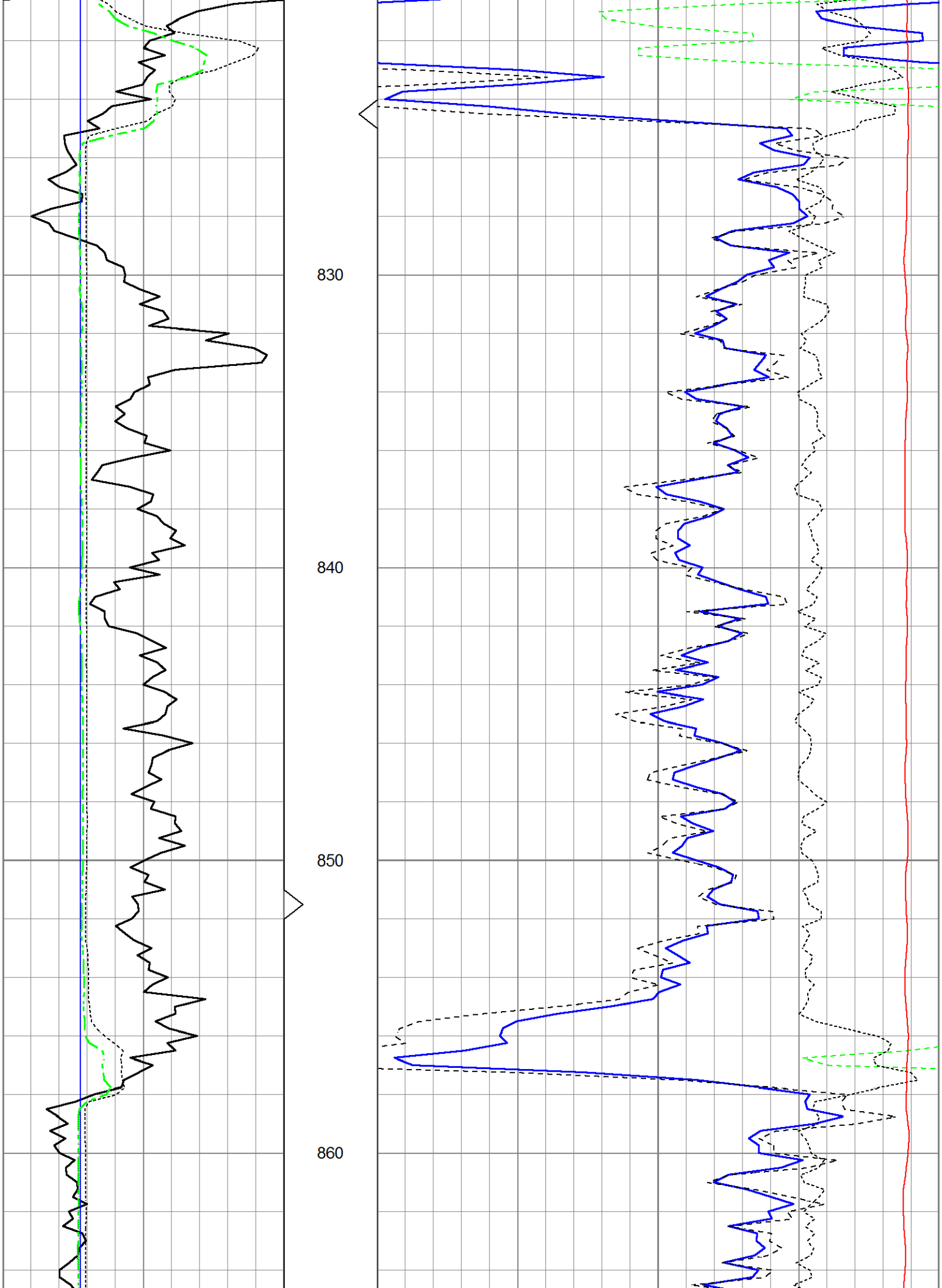
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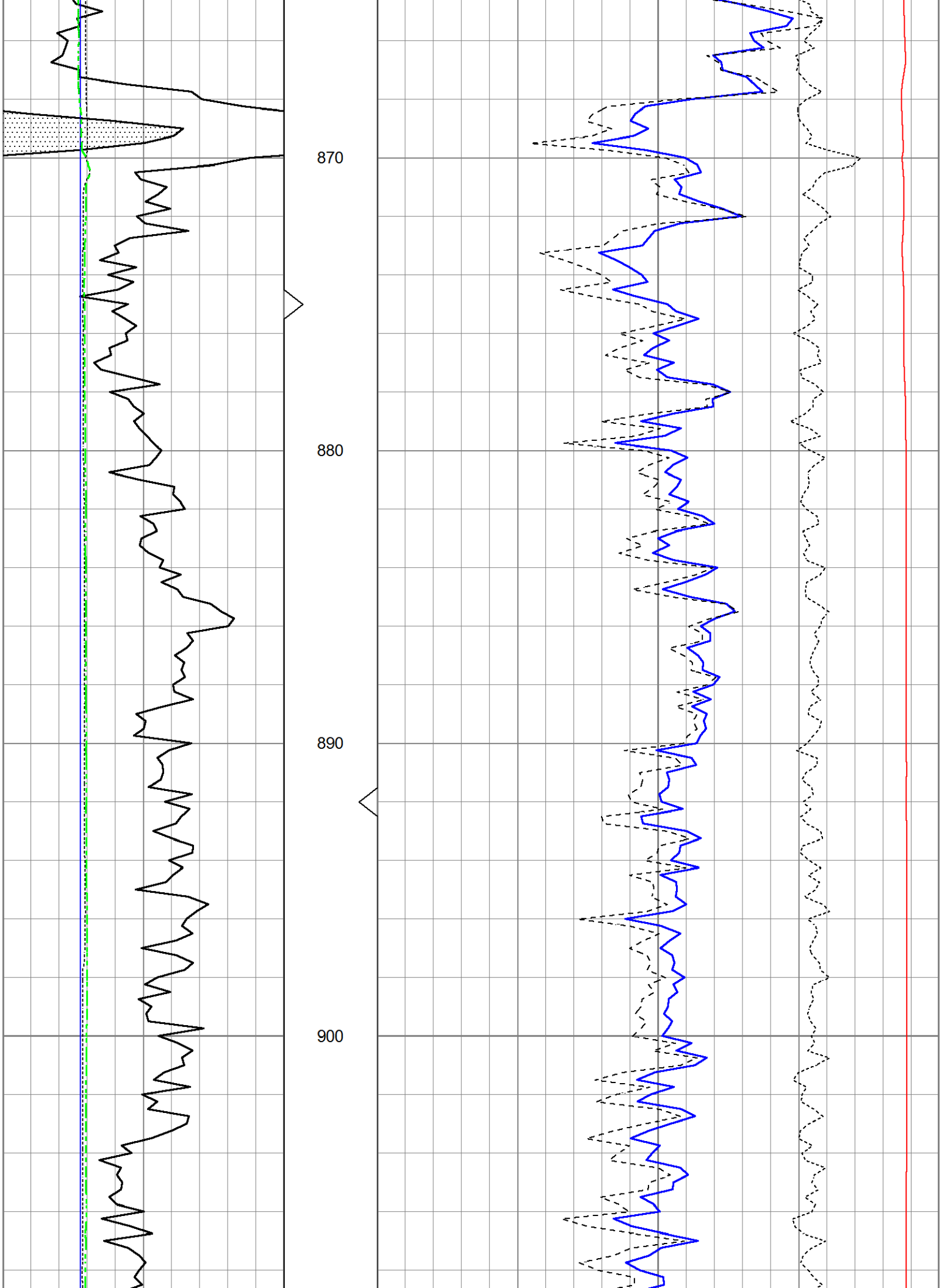
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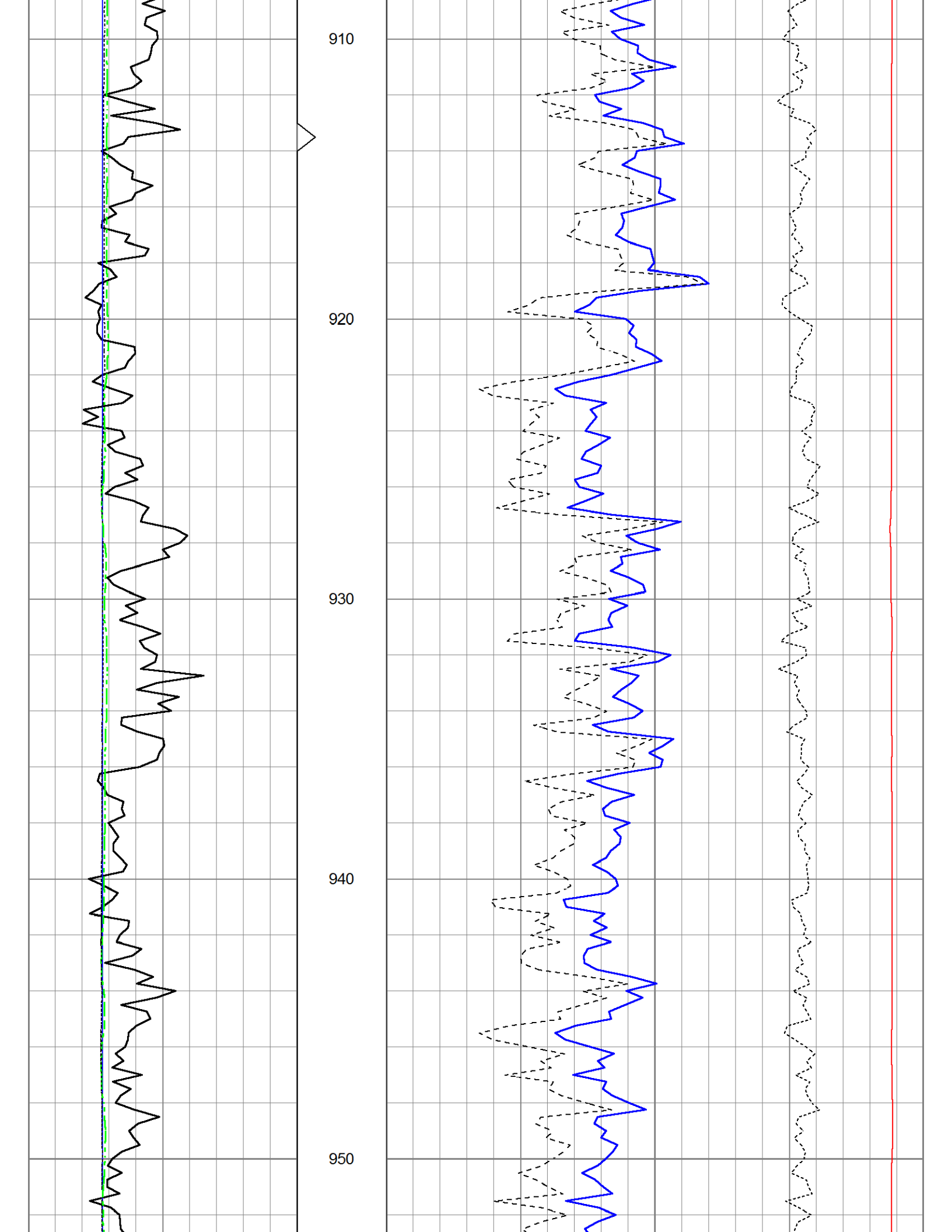
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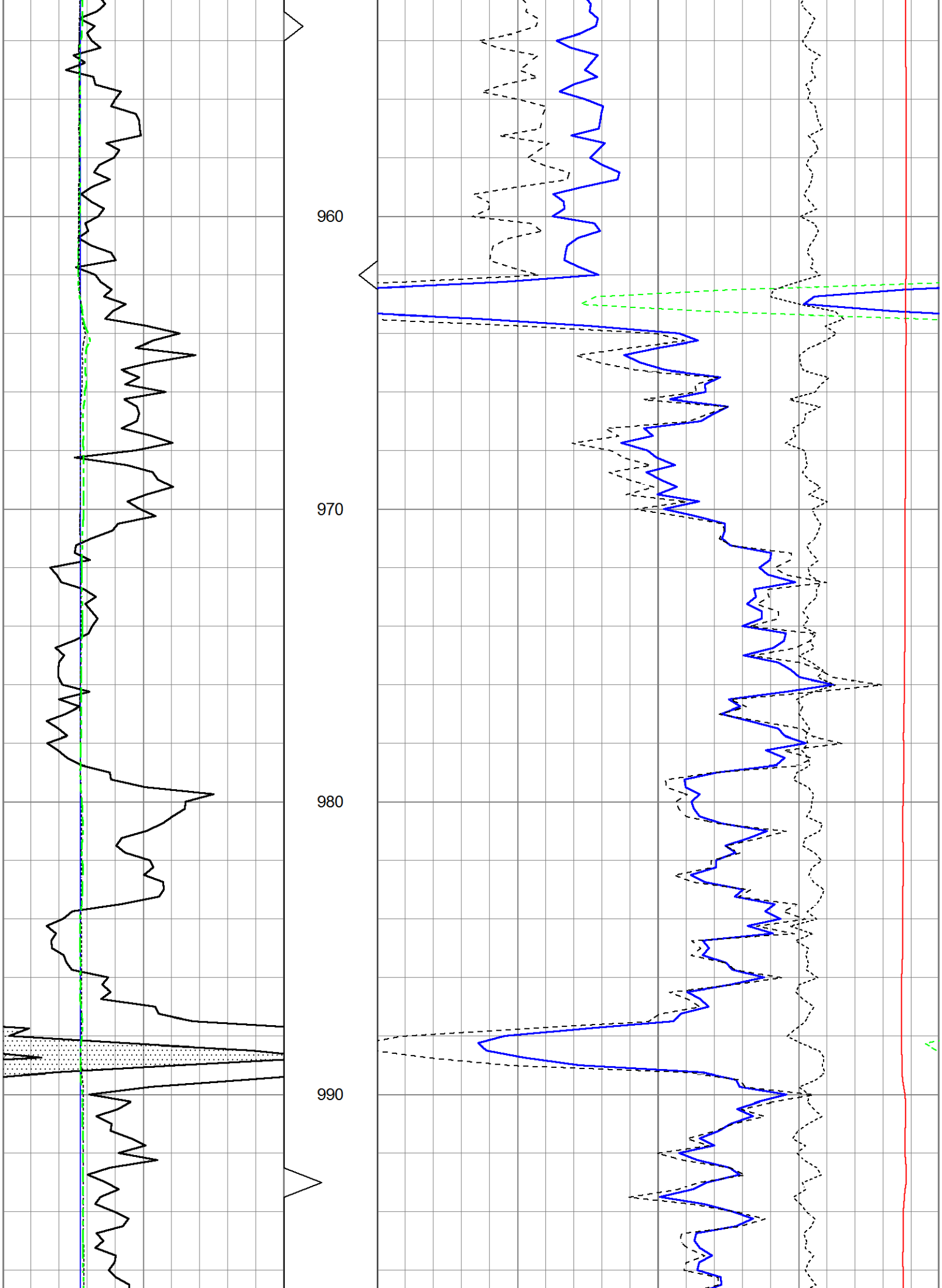
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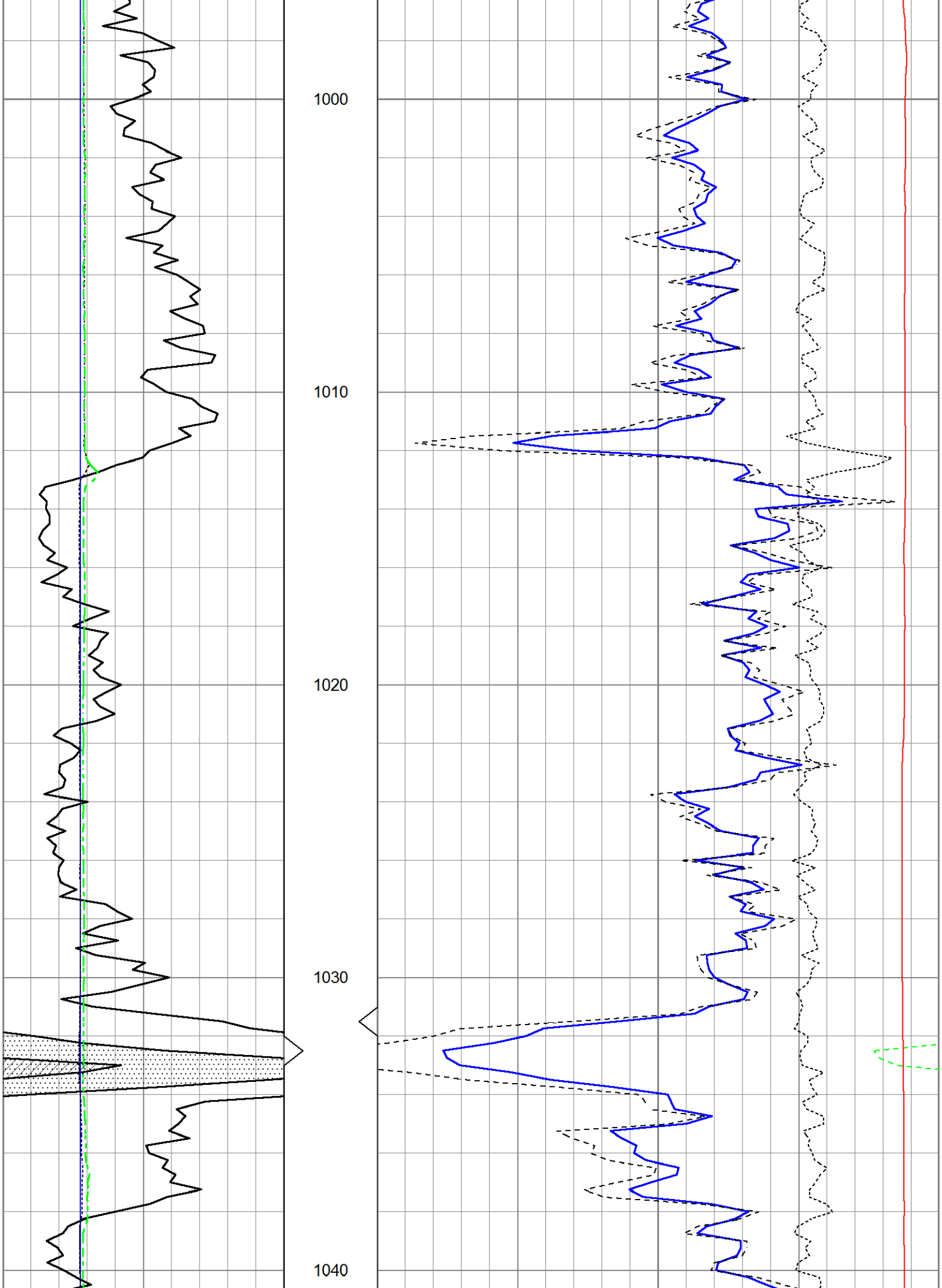
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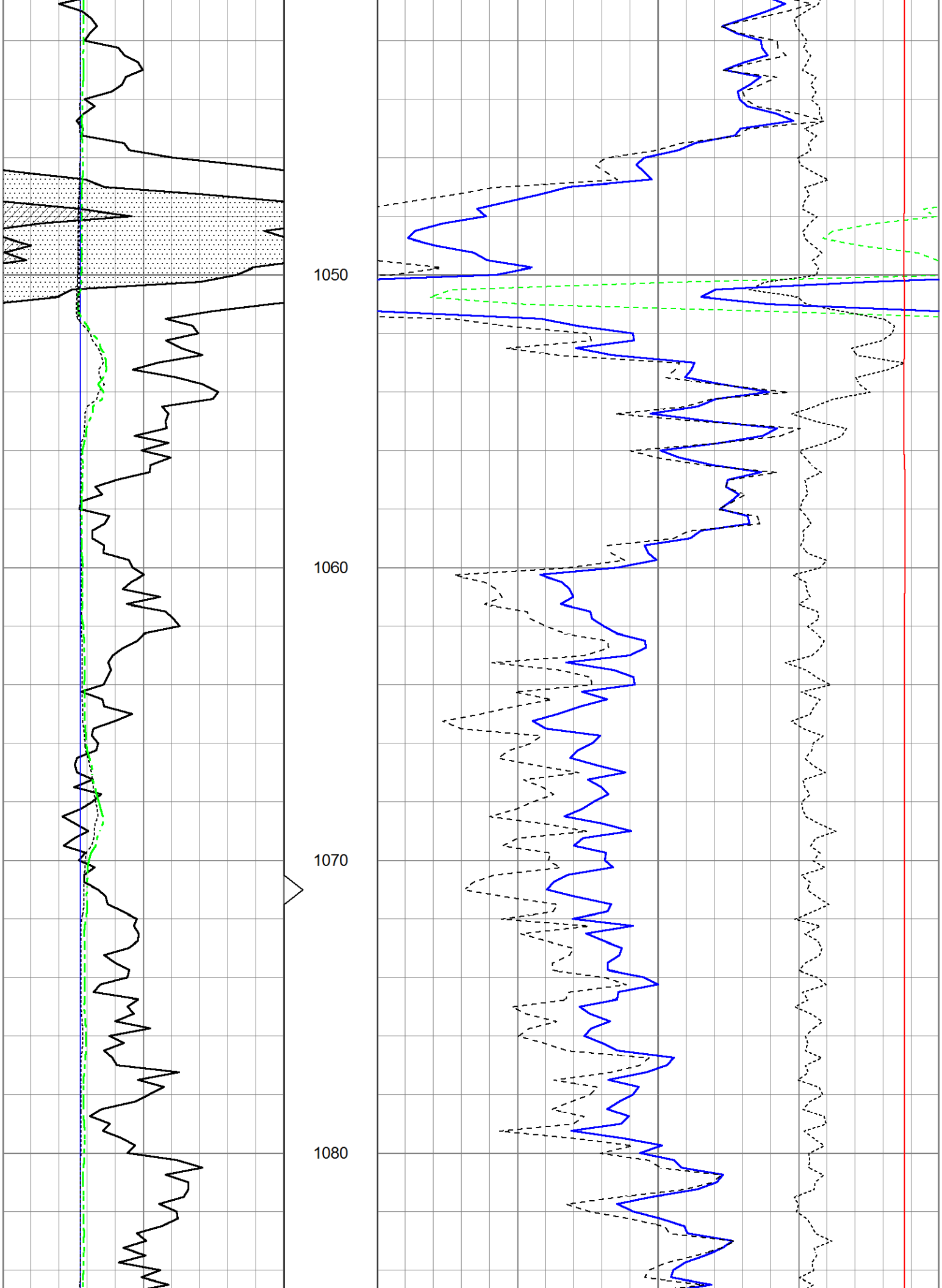
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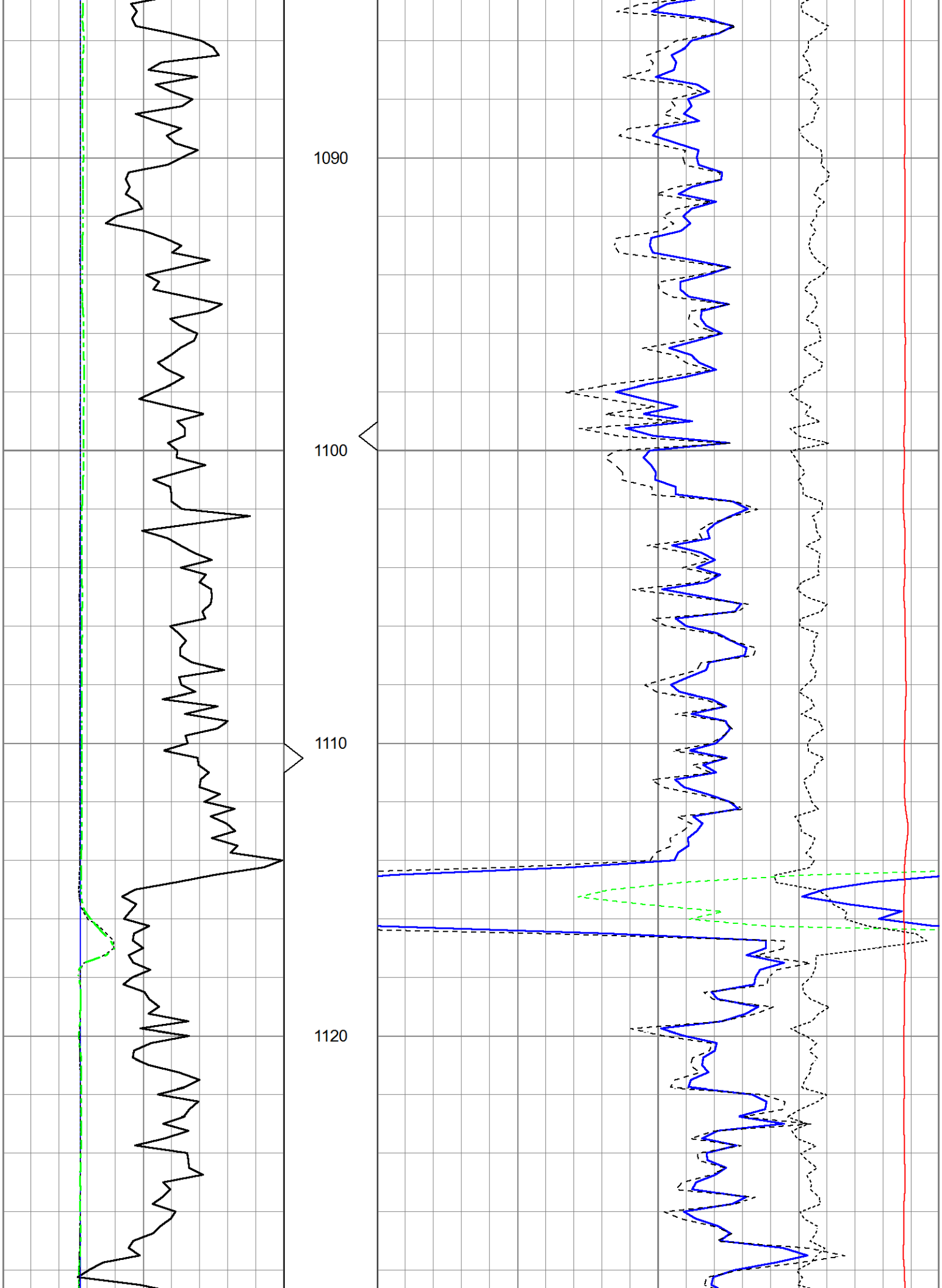
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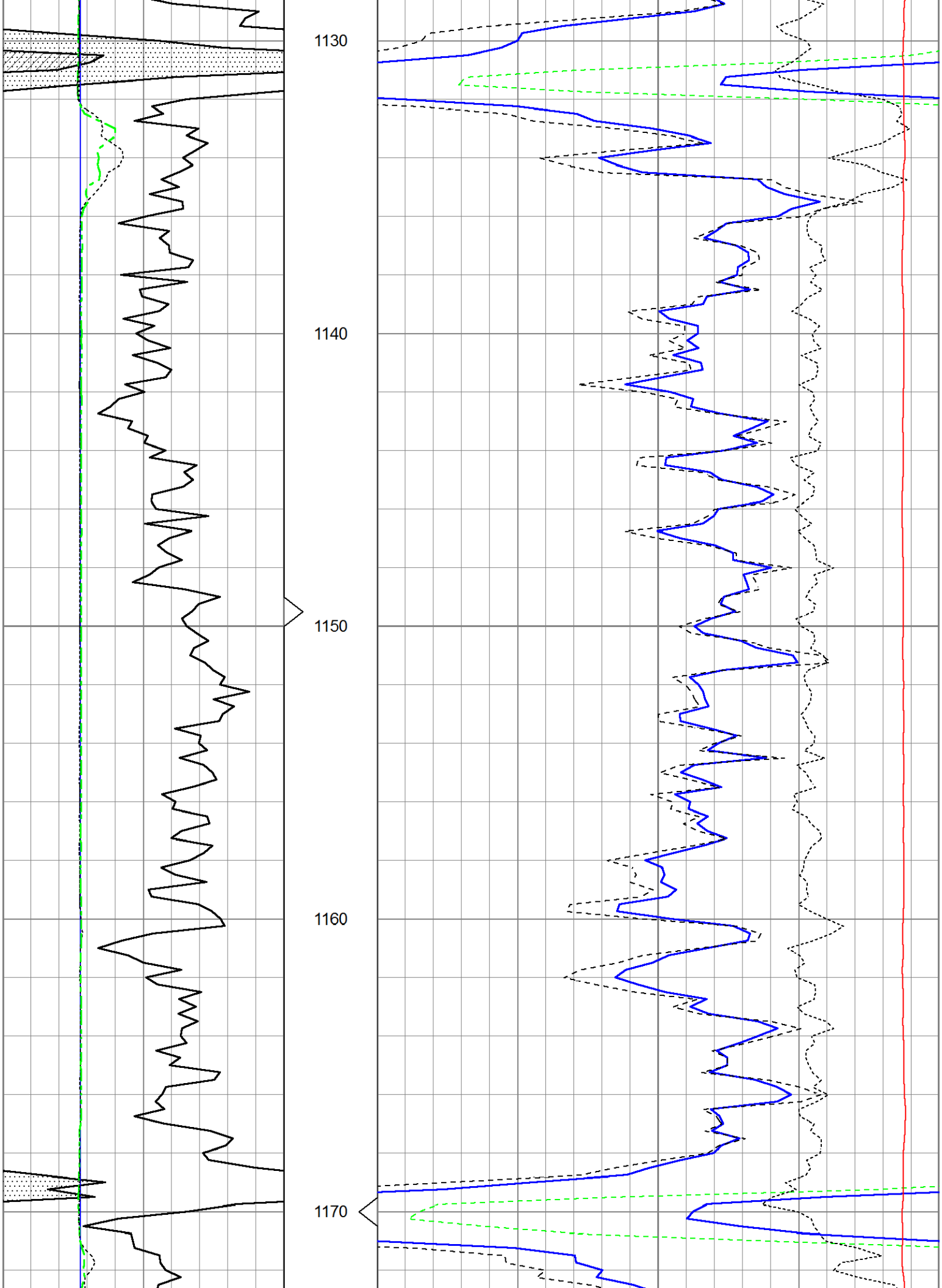
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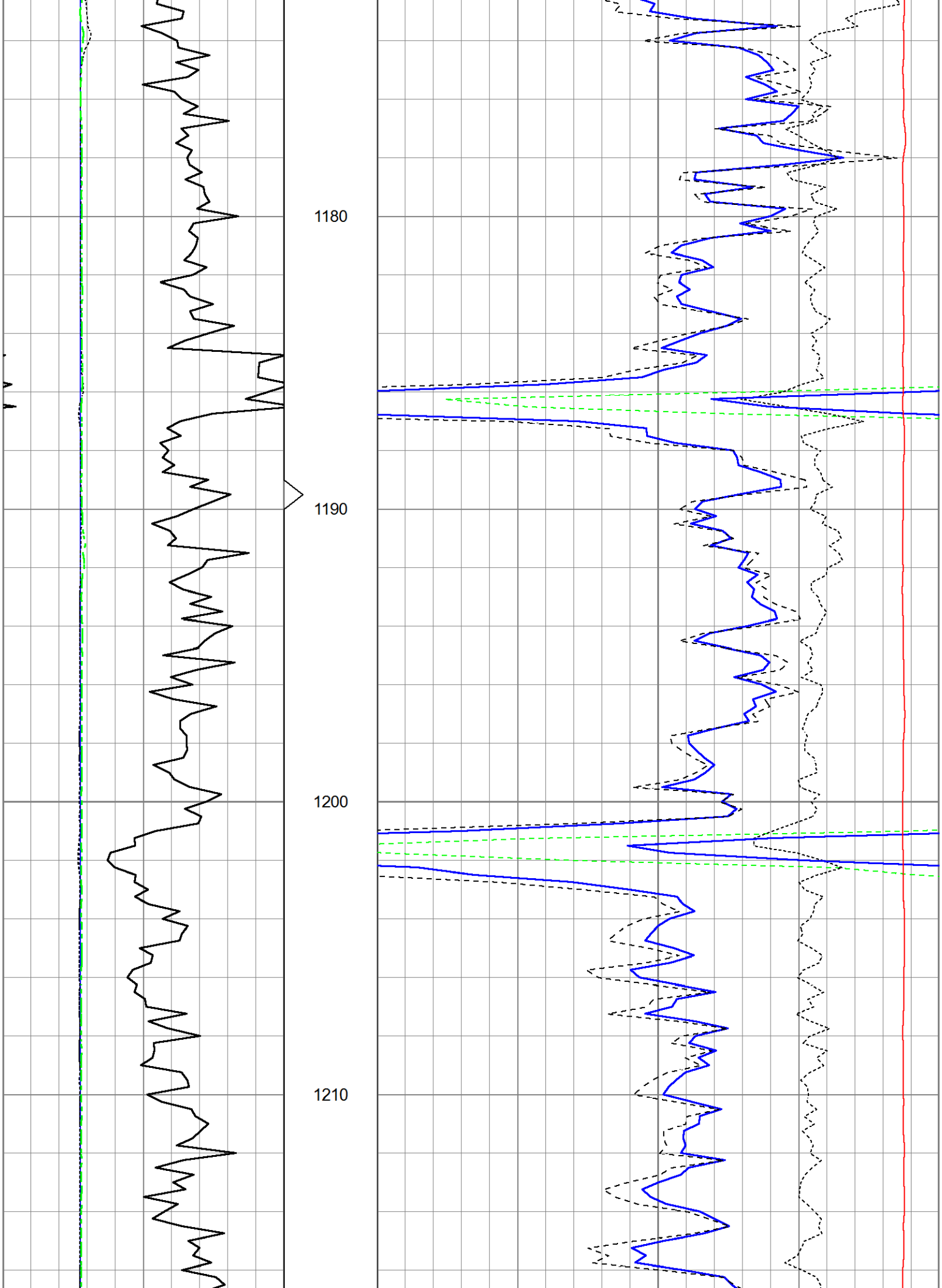
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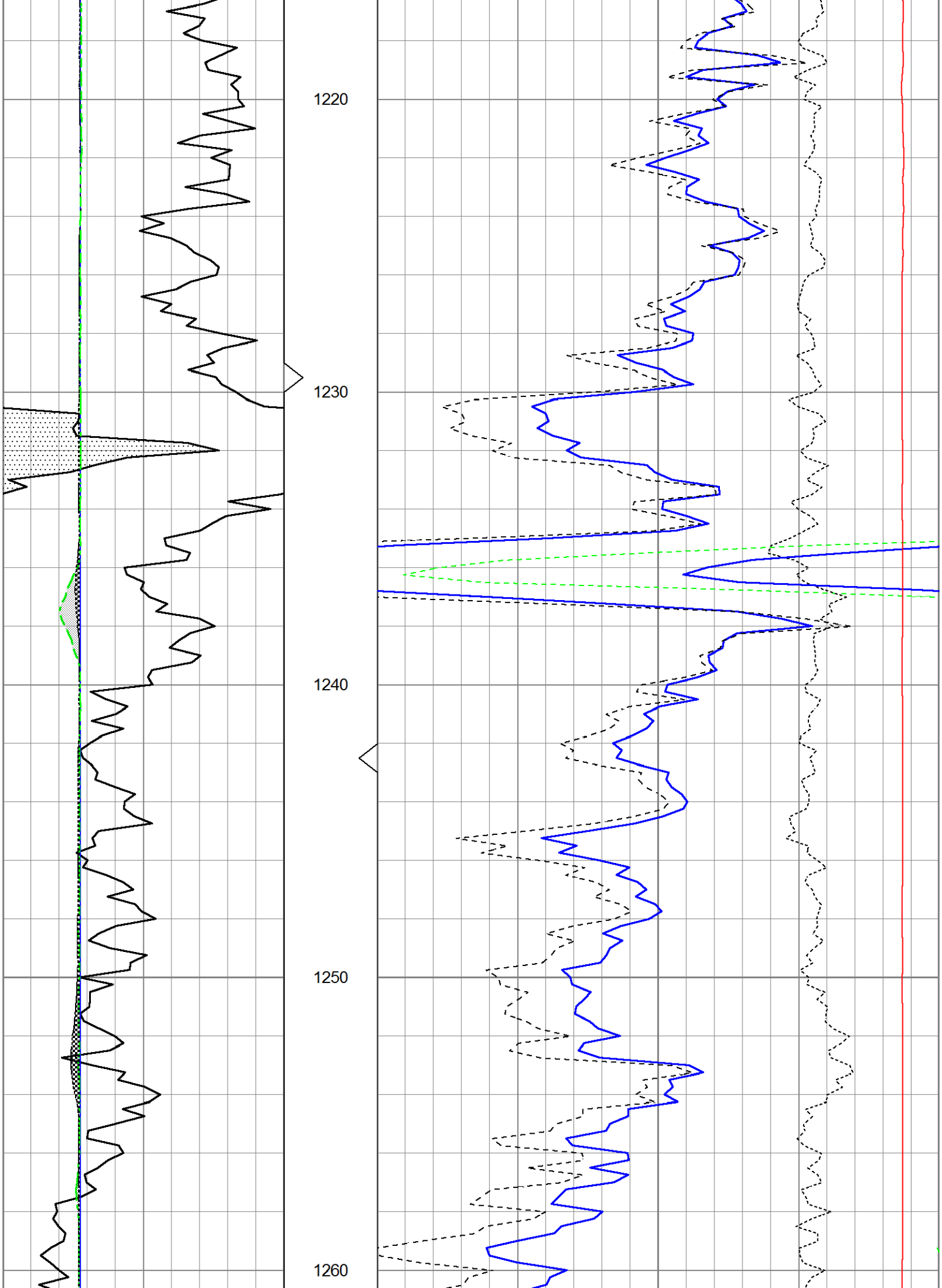
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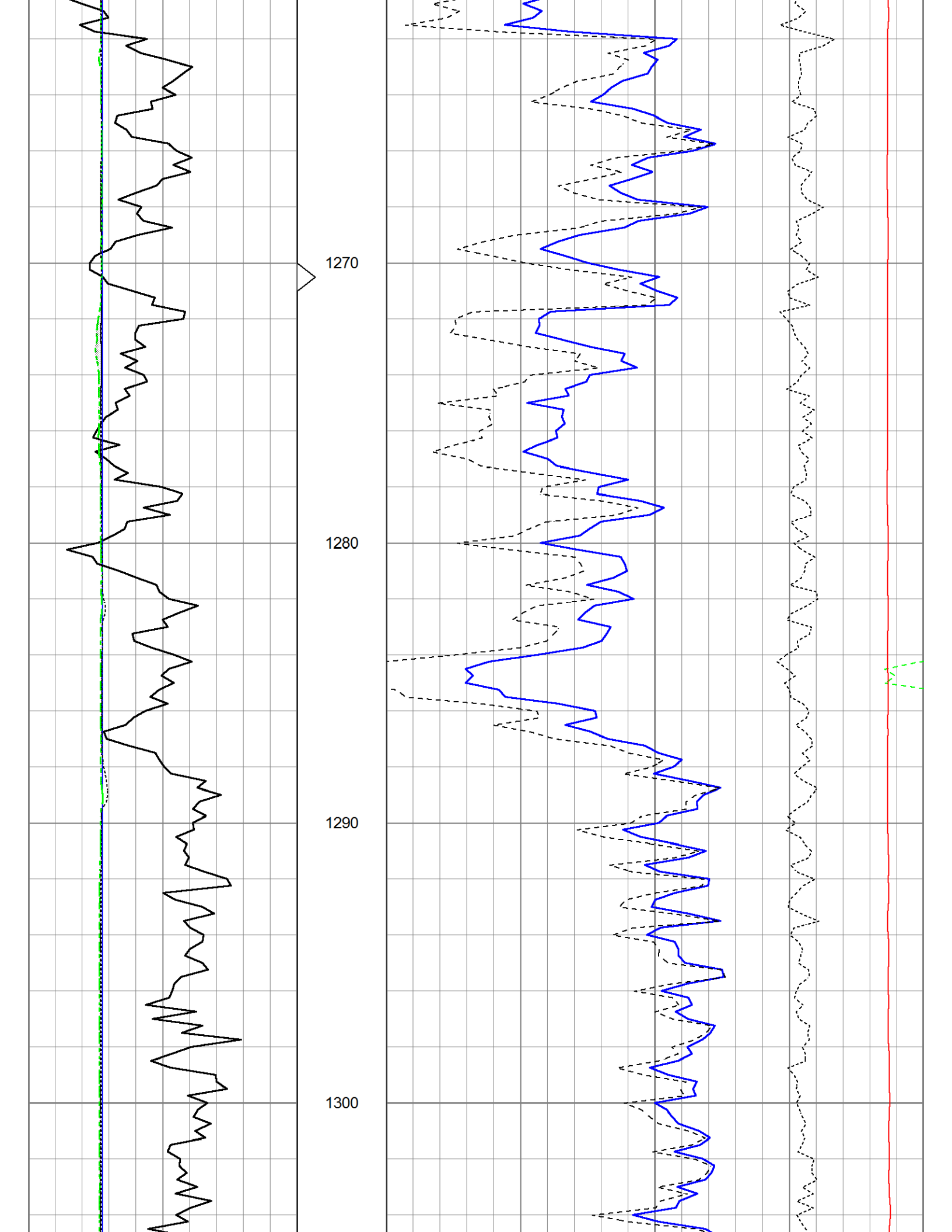
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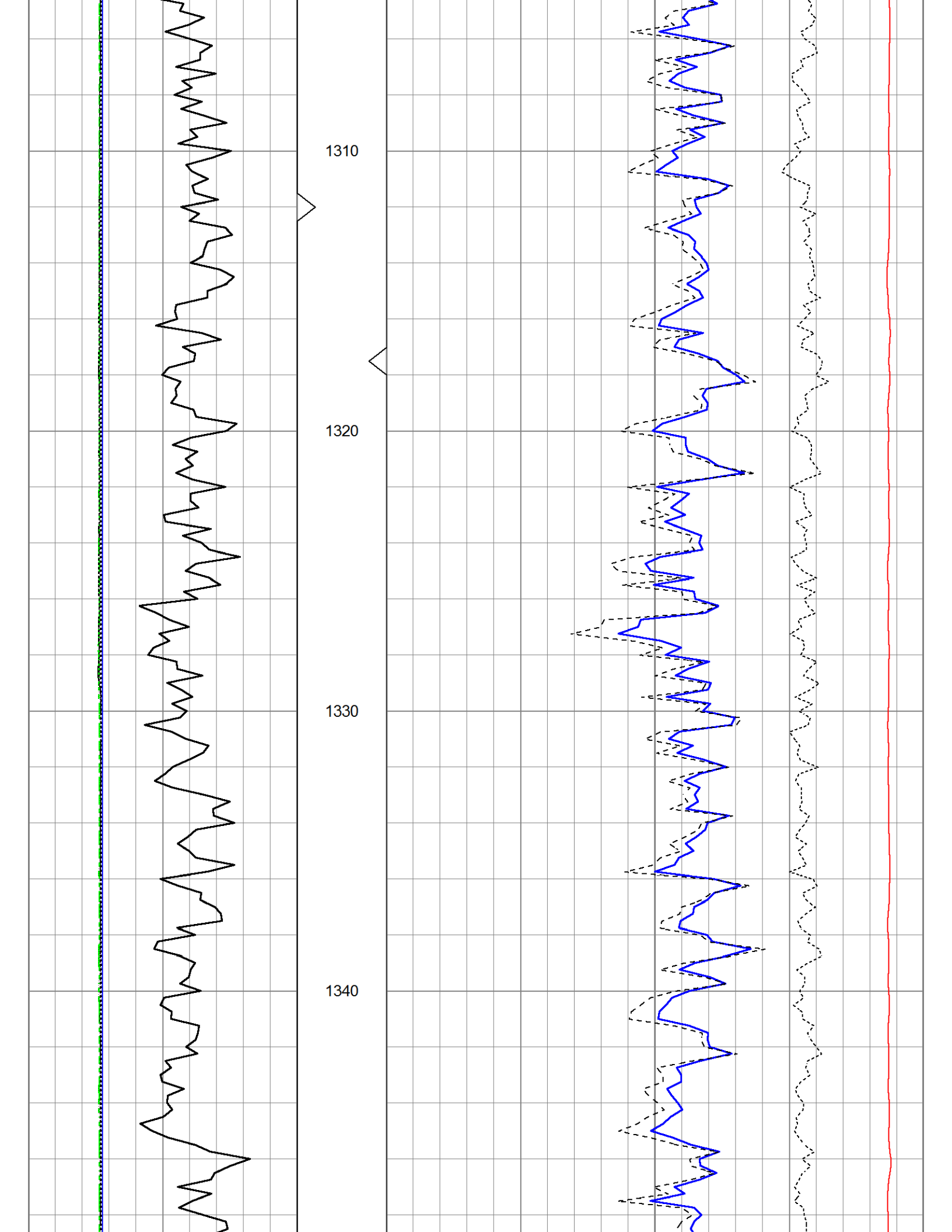
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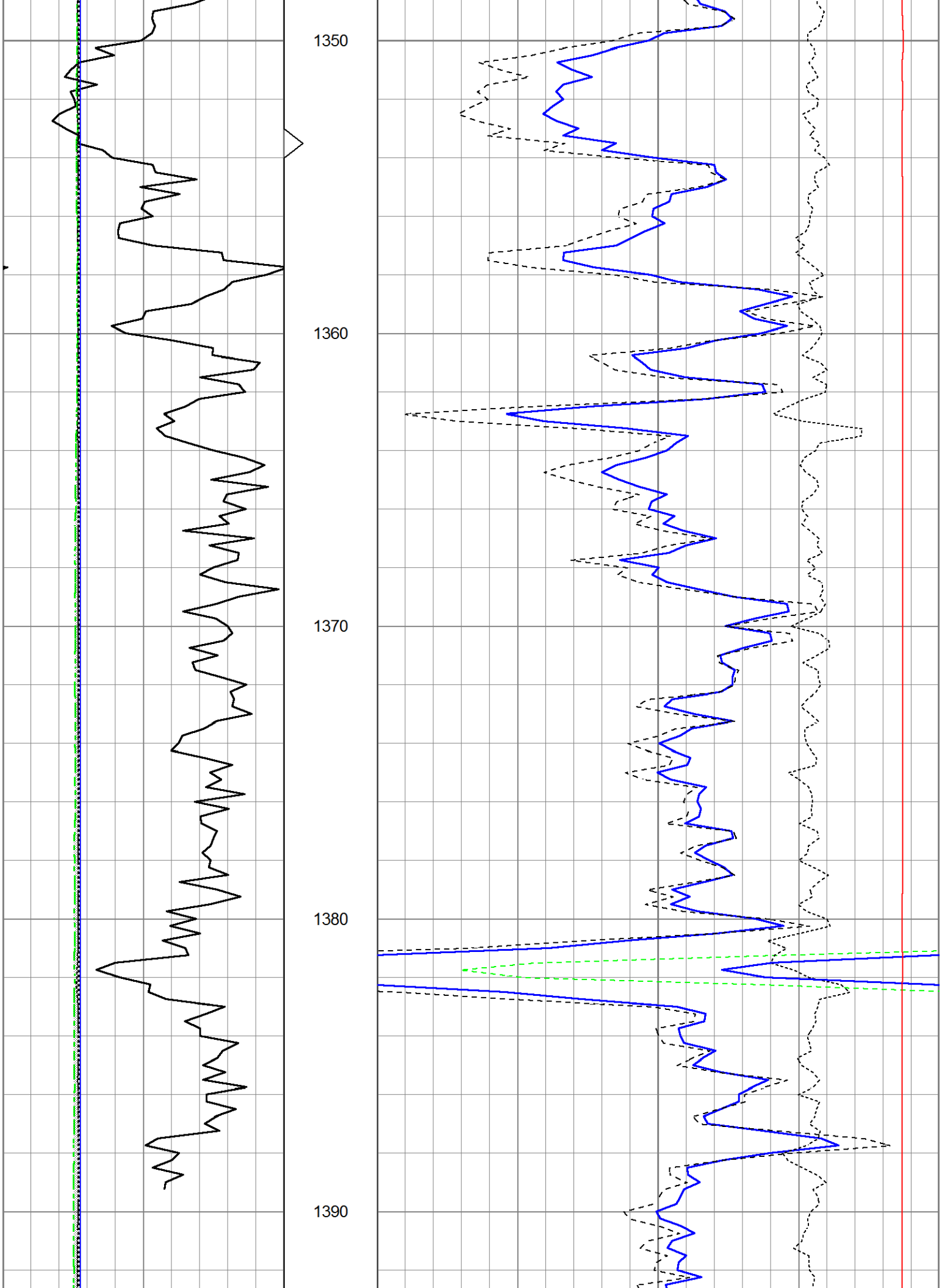
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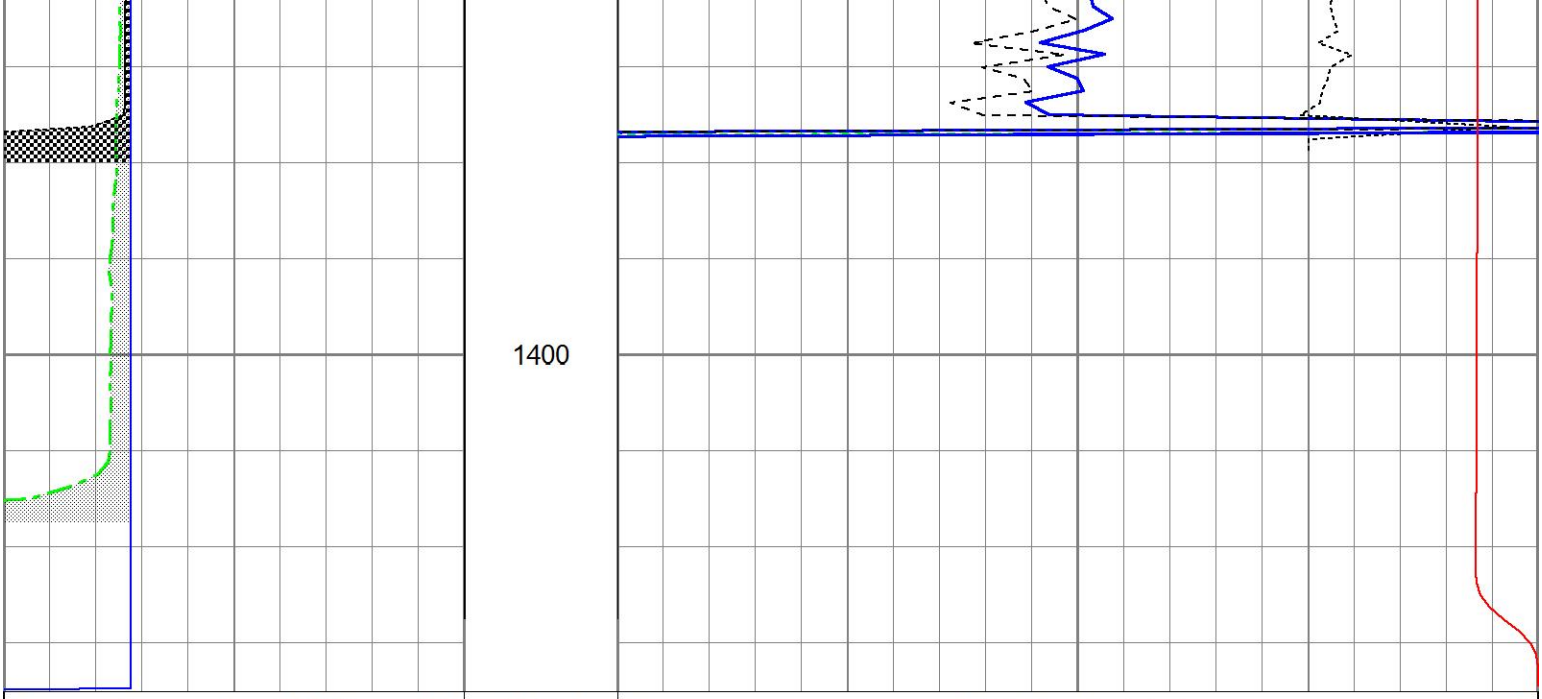
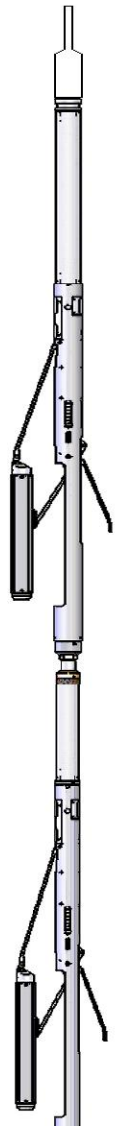


0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Density Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Neutron Caliper (in)	14				5000 Line Tension (lb)	0

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			Cable-CableHead Isulation Sub	1.42	3.00	20.00
GR	15.60		Gamma-Oilex2122 (2122) Gamma Ray Section	2.83	3.50	75.00
LSD	10.22		Density-Oilex2122 (2122) Density Section	6.08	4.00	250.00
DCAL	9.94					
SSD	9.76					
			Neutron-Sidewall3015 (3015) Sidewall Neutron Section	7.81	4.00	150.00
SCAL	2.54					
SWN	2.15					
NEU	2.15					

Dataset:	ow2-8824 colt energy.db: field/well/CDL/pass1
Total length:	18.15 ft
Total weight:	495.00 lb
O.D.:	4.00 in

DUAL INDUCTION
LL3/GR LOG

Company COLT ENERGY INC.
Well PENDLEY # 23-i
Field BIG SANDY
County WOODSON
State KANSAS

Company COLT ENERGY INC.
Well PENDLEY # 23-i
Field BIG SANDY
County WOODSON **State** KANSAS

Location: API # : 15-207-29228-0000
NW SE NE SE
1709' FSL & 392' FEL
SEC 22 TWP 26S RGE 14E

Other Services
CDL/SWN

Elevation
K.B. ---
D.F. ---
G.L. 936' est

Permanent Datum	GL	Elevation	936' est
Log Measured From	GL		
Drilling Measured From	GL		

Date	5-13-2015		
Run Number	ONE		
Depth Driller	1408'		
Depth Logger	1405'		
Bottom Logged Interval	1403'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 42.80'		
Casing Logger	8.625" @ 42.80'		
Bit Size	6.75"		
Type Fluid in Hole	WATER		
Density / Viscosity			
pH / Fluid Loss			
Source of Sample			
Rm @ Meas. Temp			
Rmf @ Meas. Temp			
Rmc @ Meas. Temp			
Source of Rmf / Rmc			
Rm @ BHT			
Time Circulation Stopped			
Time Logger on Bottom			
Maximum Recorded Temperature			
Equipment Number	OW2		
Location	HOMINY ,OK		
Recorded By	LOWERY		
Witnessed By	MR. ASHLOCK		

<< Fold Here >>>

Comments

OW2-8824

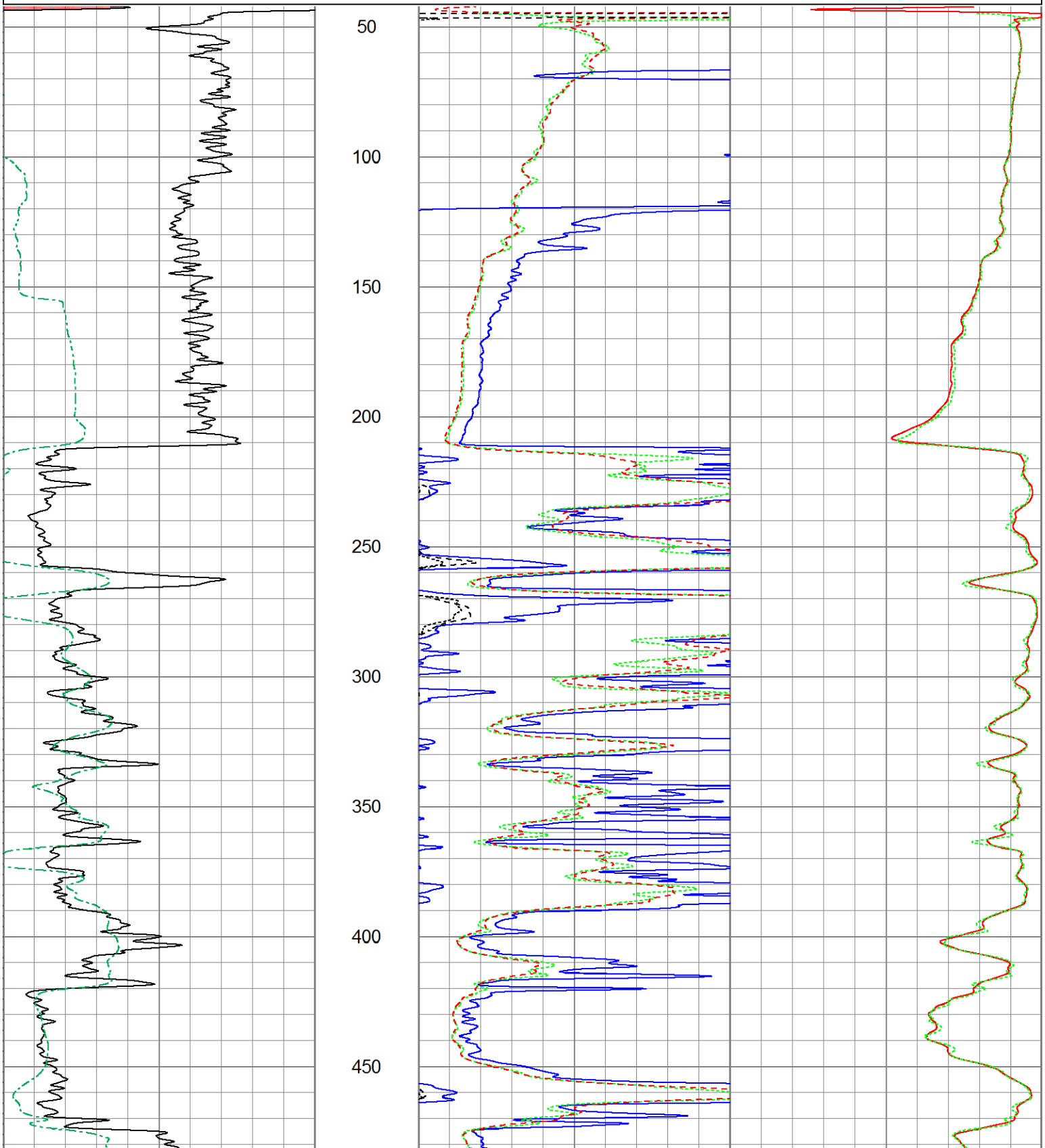
CREW : SHAMBLES

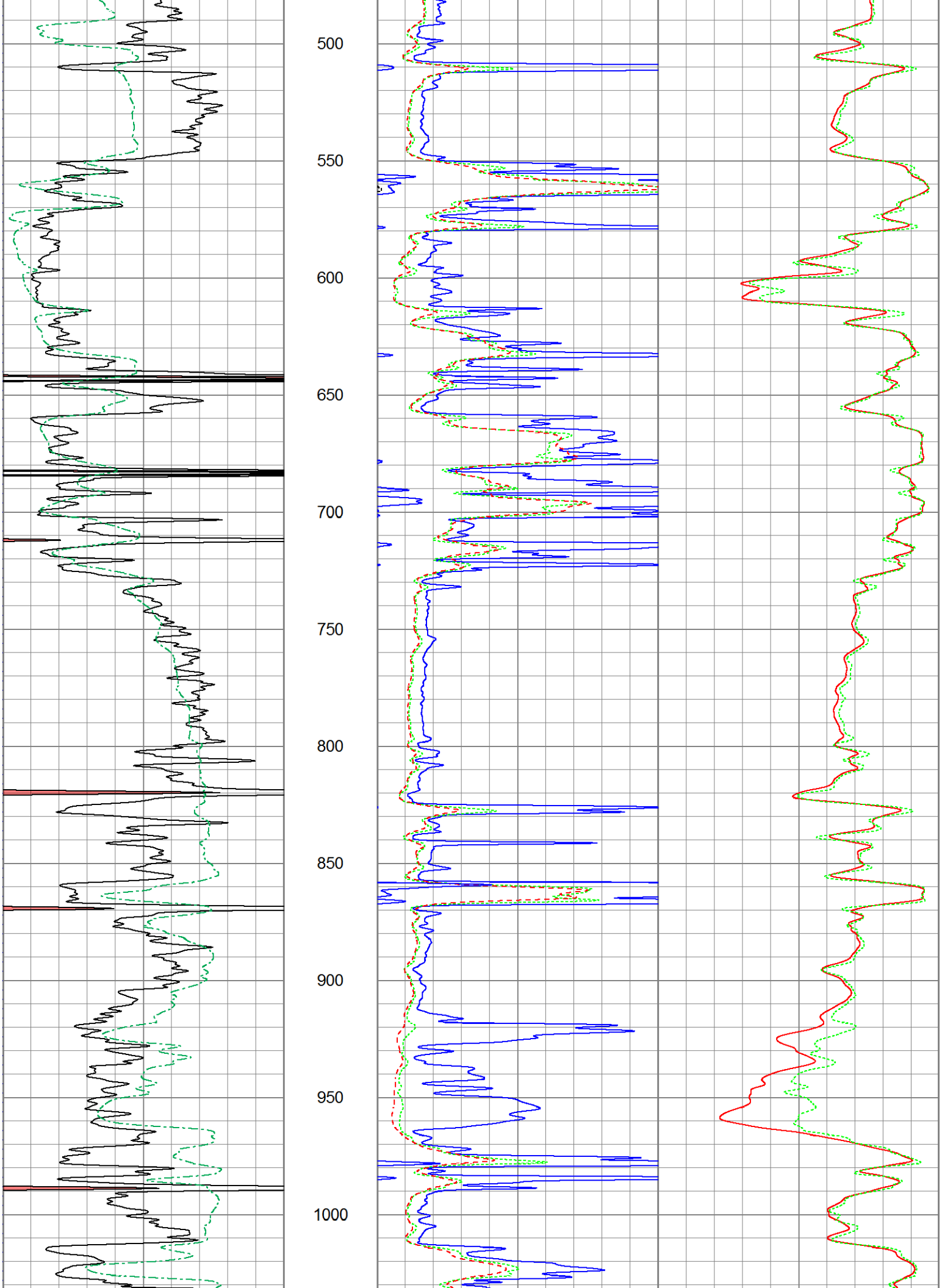
2" DIL SECTION

Database File	ow2-8824 colt energy.db
Dataset Pathname	DIL/pass1.5
Presentation Format	dil2mdcol
Dataset Creation	Wed May 13 16:10:04 2015
Charted by	Depth in Feet scaled 1:600

0	GR (GAPI)	150
0	SP (mV)	200

1000	CILD (mmho/m)	0
1000	CILM (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	RILM (Ohm-m)	50
0	RILD (Ohm-m)	50

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700
750
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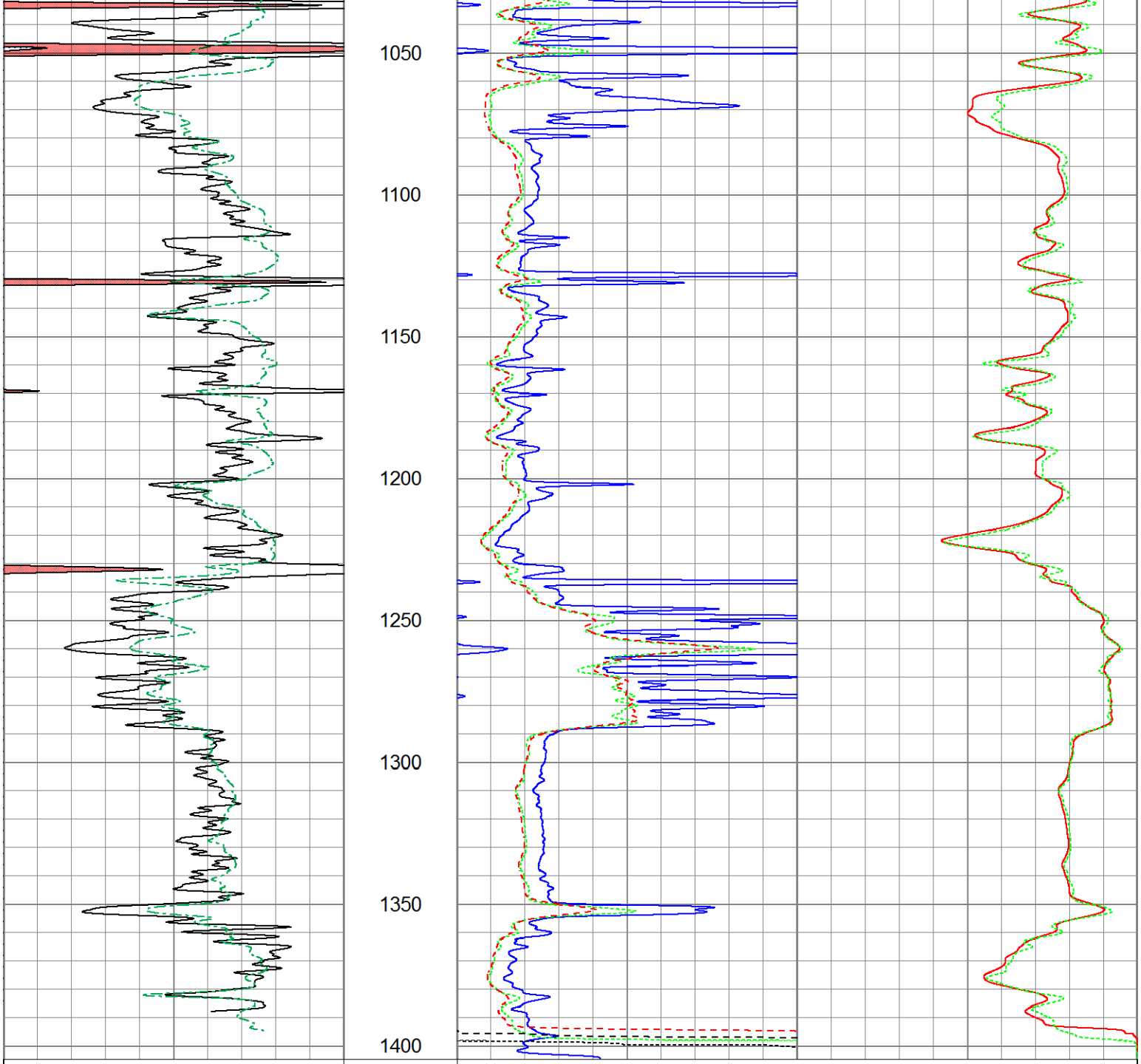
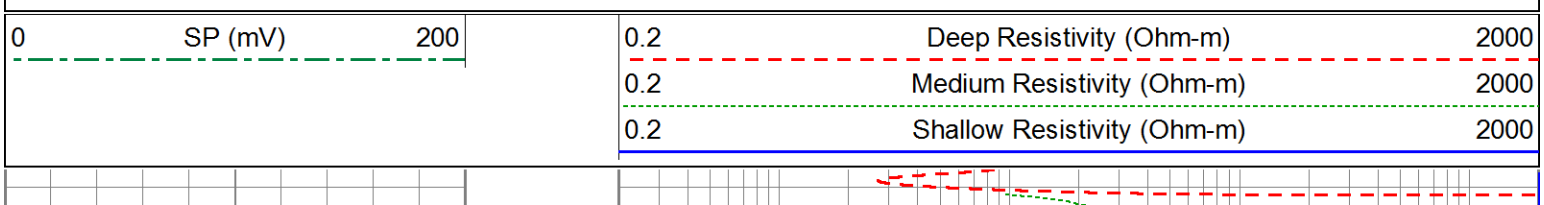
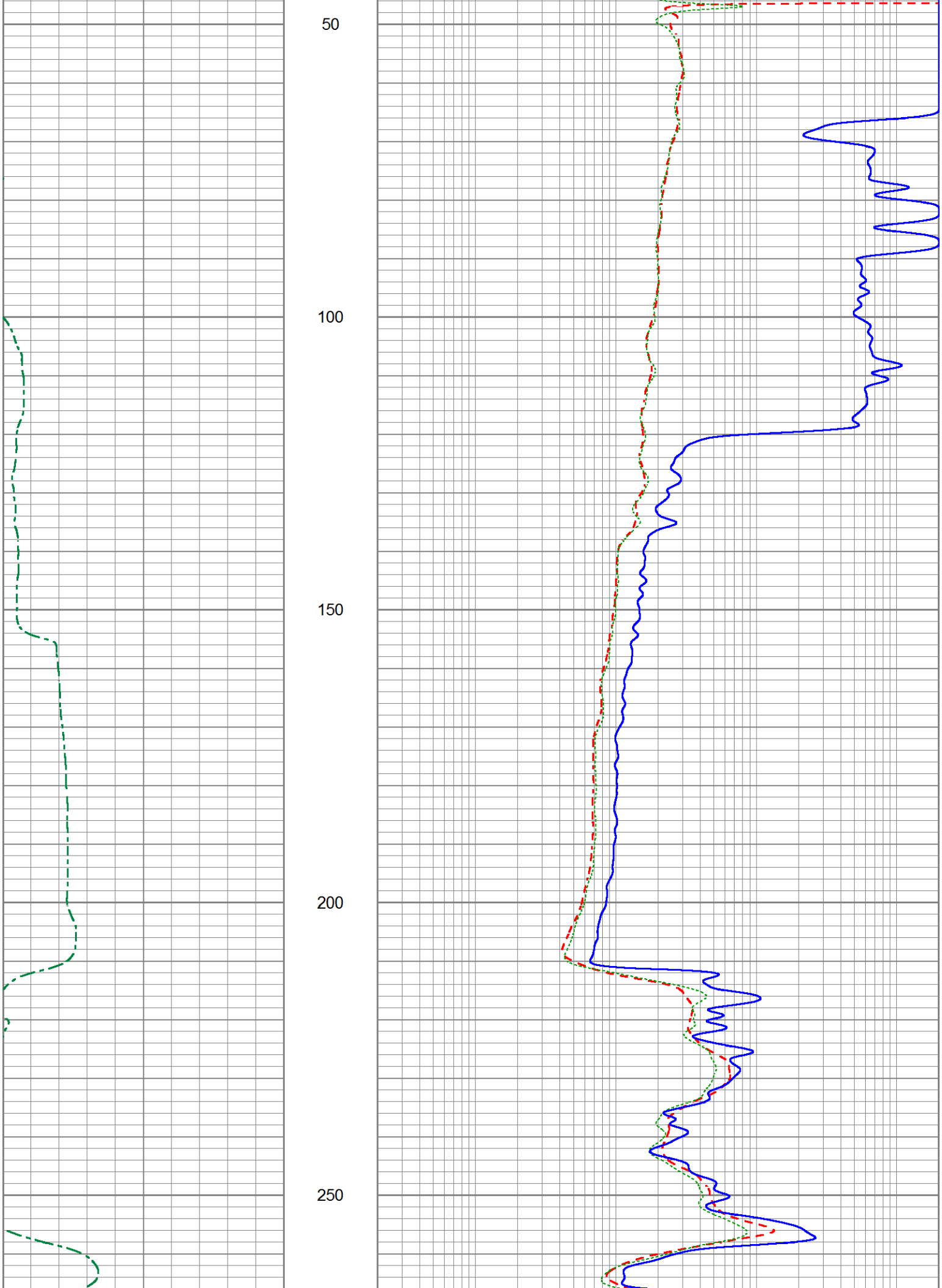
850
900
950
1000



Database File	ow2-8824 colt energy.db
Dataset Pathname	DIL/pass1.2
Presentation Format	dil5mdcol
Dataset Creation	Wed May 13 16:06:05 2015
Charted by	Depth in Feet scaled 1:240

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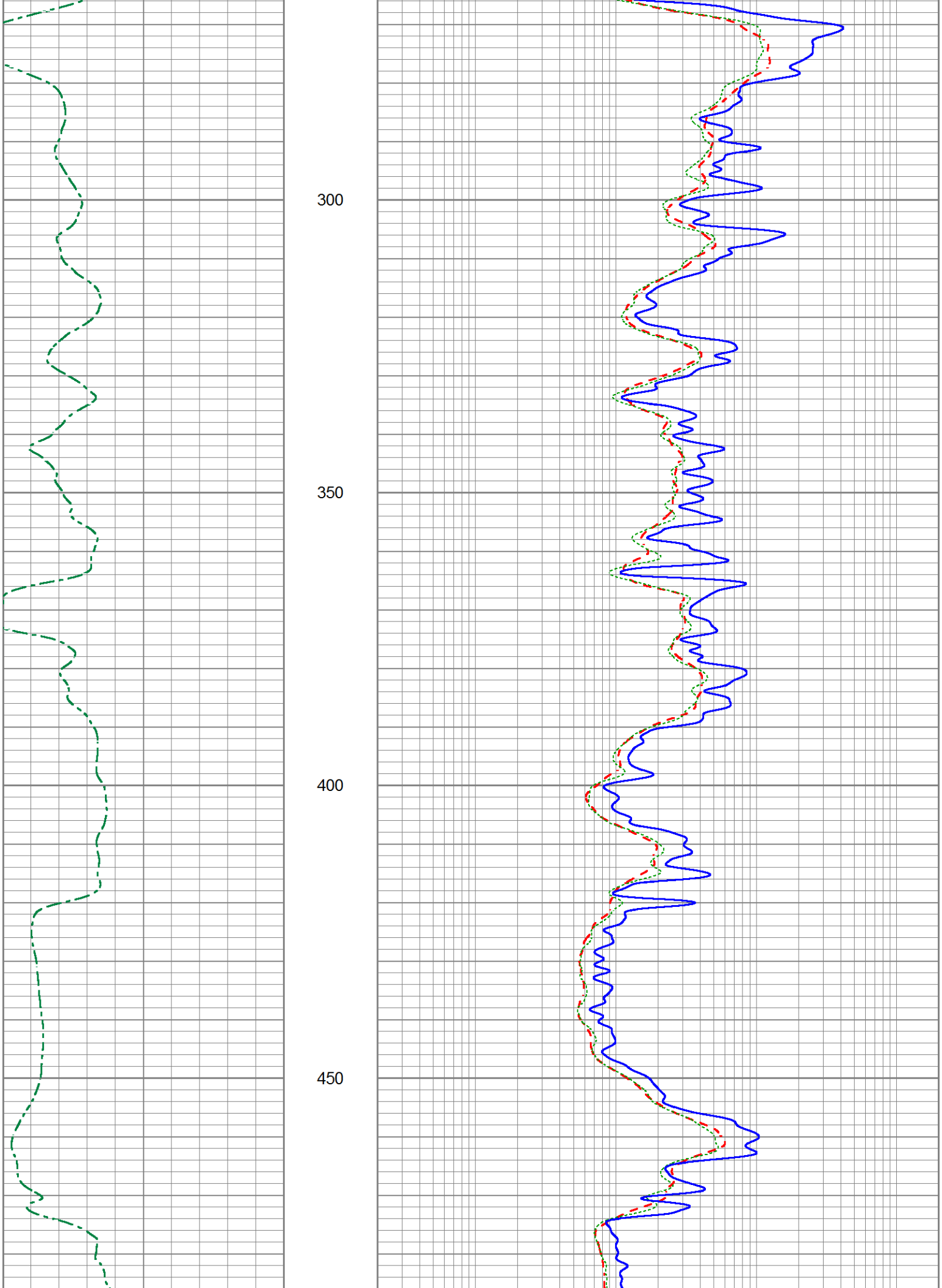
100
150
200
250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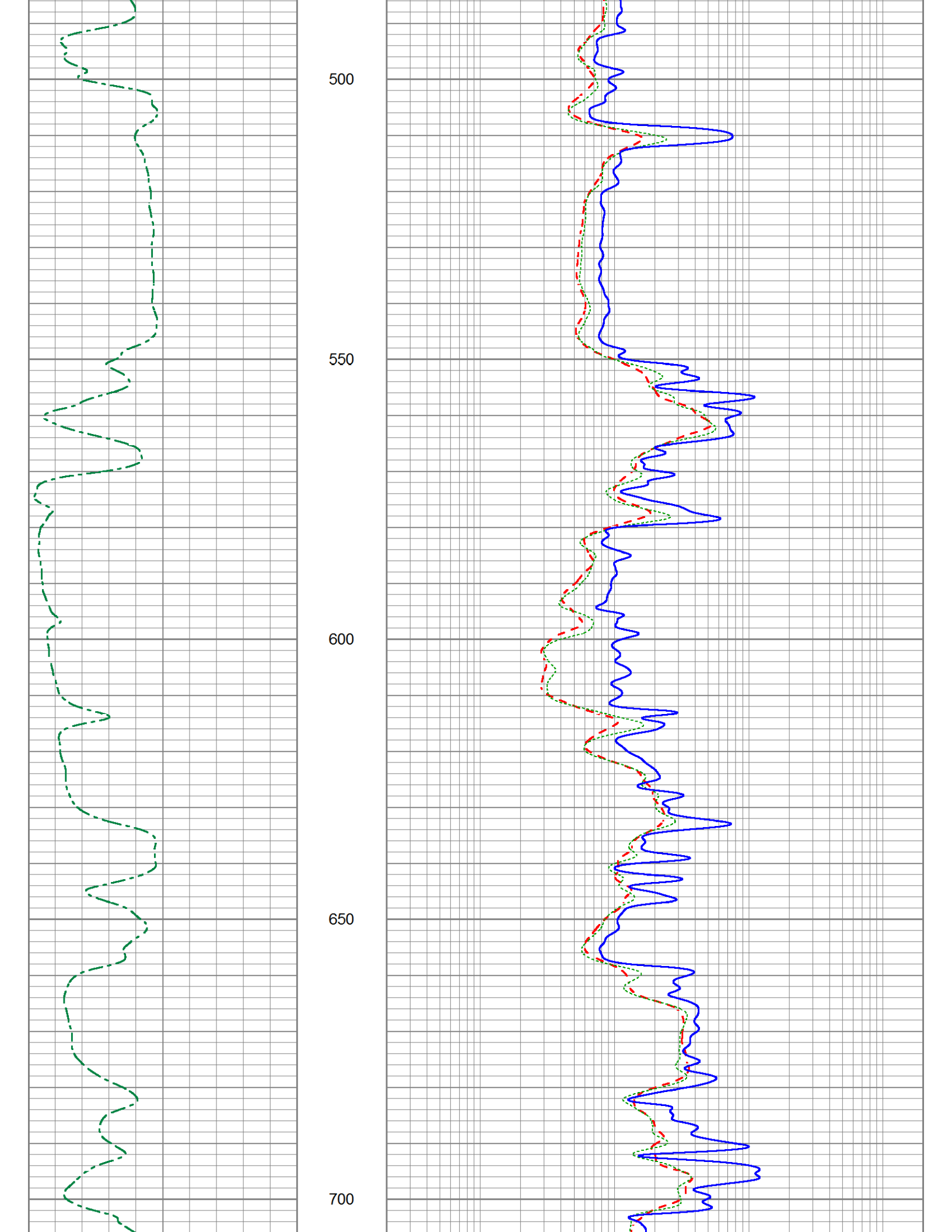
350
400
450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550
600
650
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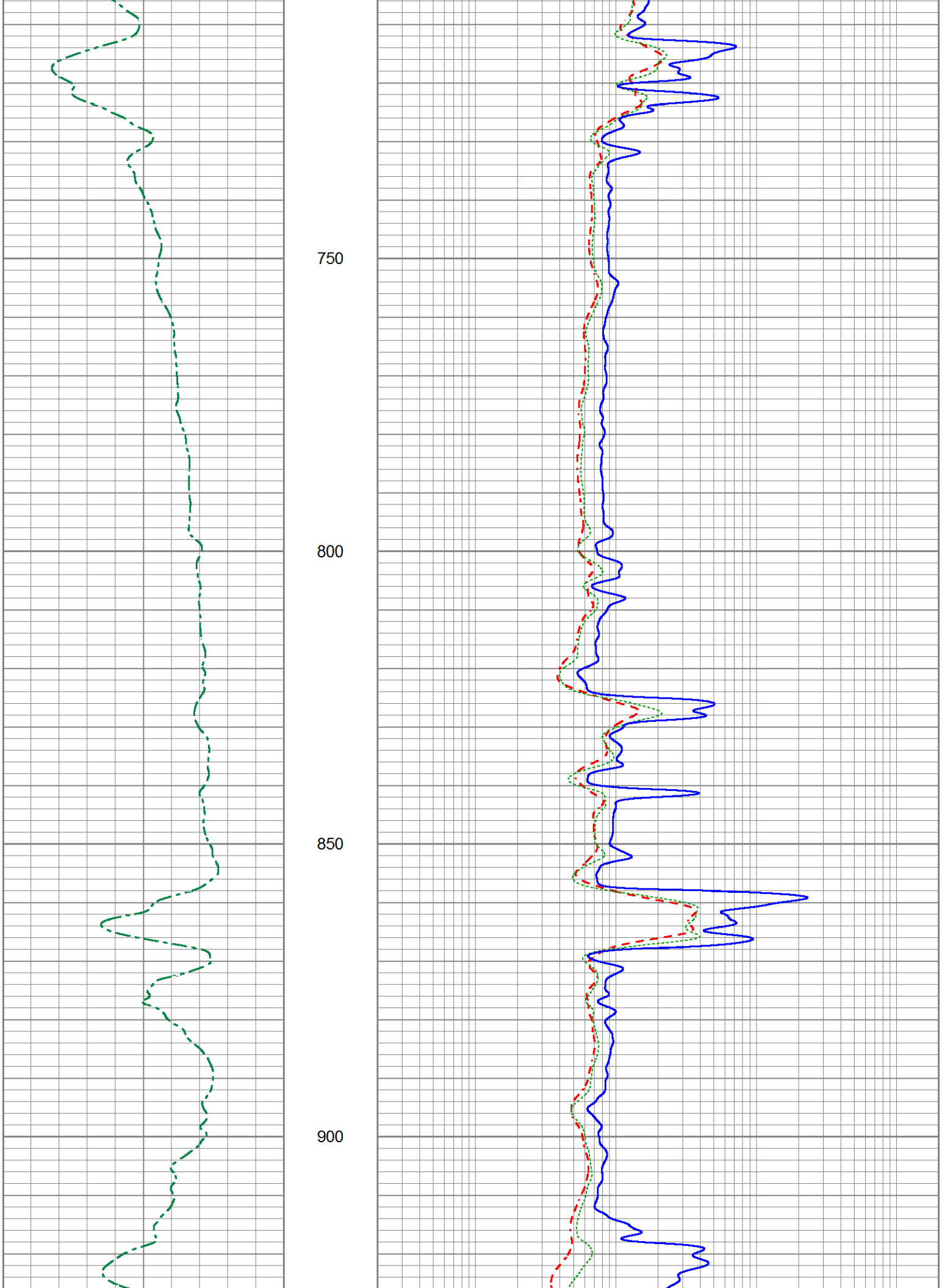
750
800
850
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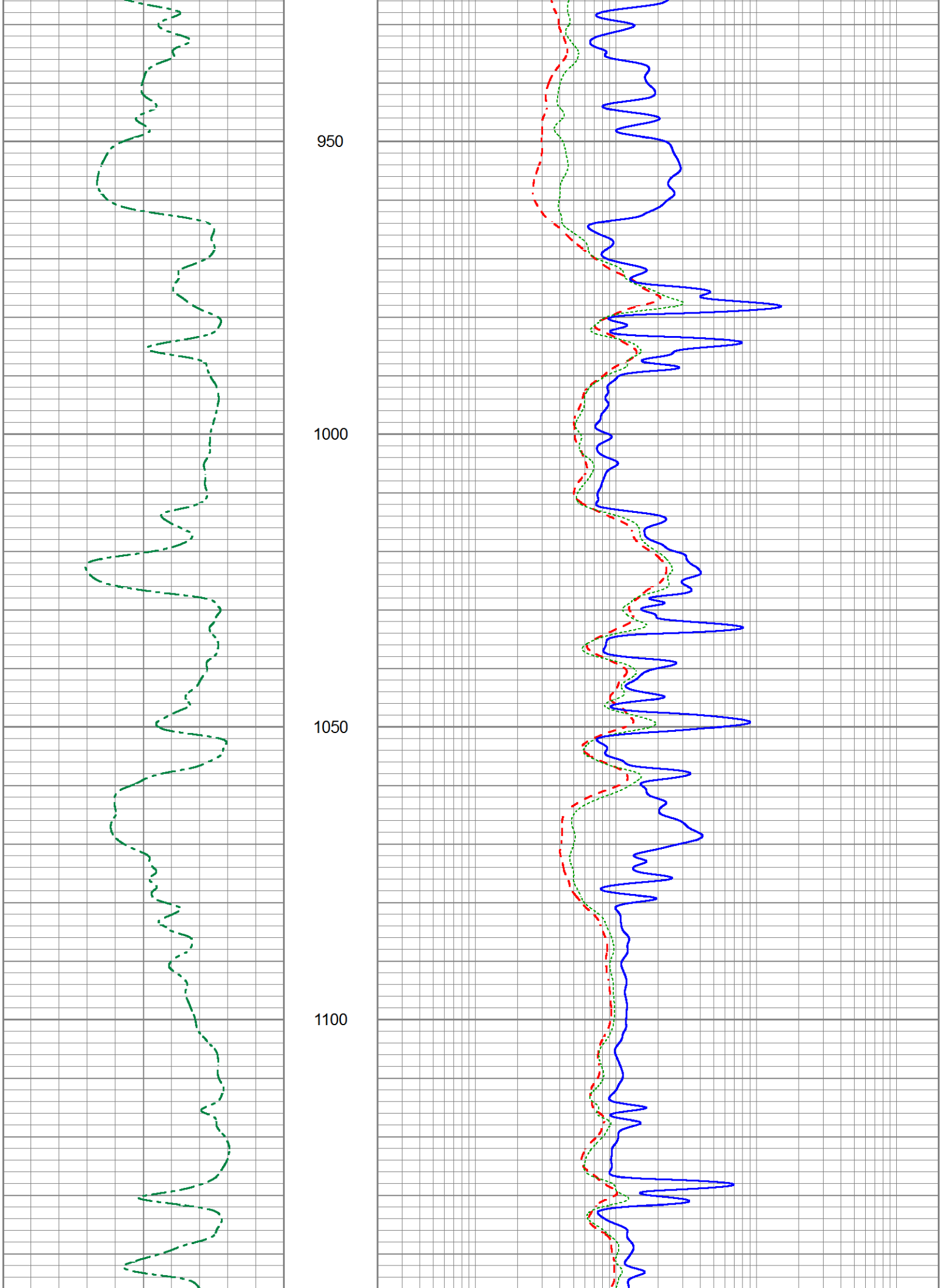
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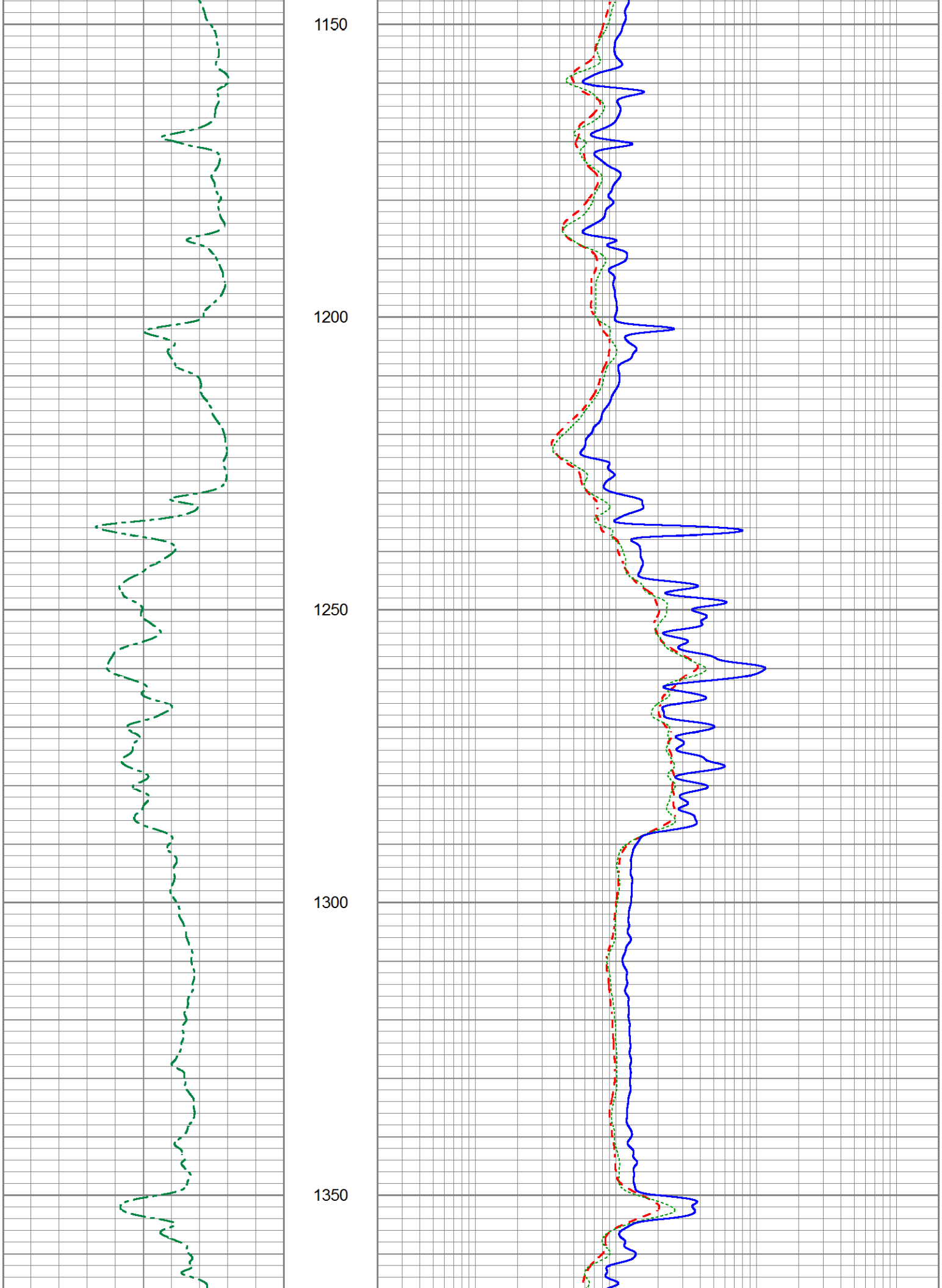
1100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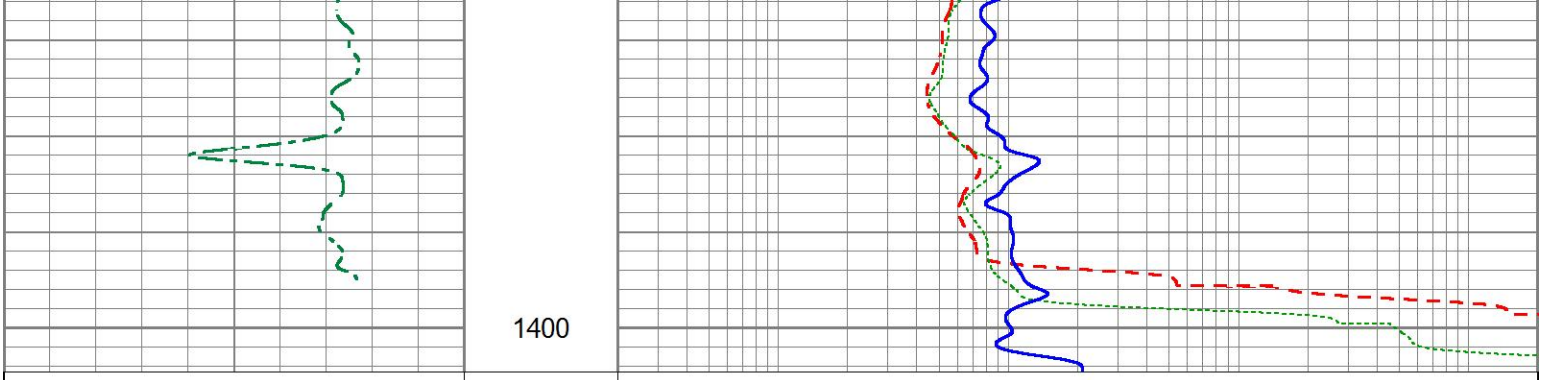
1200
1250
1300
1350



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb
			Cable-CableHead Isulation Sub	1.42	3.00	20.00
CILD	10.92		DIL-GEAR (158) Dual Induction Electrical Log	21.36	4.00	395.00
SP	10.42					
CILM	7.00					
RLL3	1.65					

Dataset:	ow2-8824 colt energy.db: field/well/DIL/pass1
Total length:	22.78 ft
Total weight:	415.00 lb
O.D.:	4.00 in