Confidentiality Requested:
☐ Yes ☑ No

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1258791

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: COFFEYVILLE RESOURCES, LLC

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 #:

06/19/2015	06/24/2015	07/17/2015
Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date

API No. 15 - 15-207-29244-00-00
Spot Description:
SW SE SE NE Sec. 22 Twp. 26 S. R. 14 ☑ East ☐ West
2475 Feet from ☑ North / ☐ South Line of Section
539 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: SCHAFER Well #: CS-7
Field Name: BIG SANDY
Producing Formation: BARTLESVILLE
Elevation: Ground: 935 Kelly Bushing: 0
Total Vertical Depth: 1398 Plug Back Total Depth: 1386
Amount of Surface Pipe Set and Cemented at: 41 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: 120 bbls
Dewatering method used: Hauled to Disposal
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

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:** 07/22/2015

1258791

Operator Name: Colt Energy Inc Lease Name: SCHAFER Well #: CS-7

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	41	PORTLAND	14	0
Production	6.75	4.5	10.5	1386	THICK	135	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	1292-1296	50 GAL OF 15% HCL	1292-1296
4	1298-1300	504# 16/30 SAND	1298-1300
4	1302-1304	4494# 12/20 SAND	1302-1304
4	1307-1312	25 BALL SEALERS	1307-1312
4	1315.5-1318	200# FRAC GEL	1315.5-1318

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

Date of First, Resumed Production, SWD or ENHR. 07/17/2015

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: June 30, 2015
INVOICE #

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

FOR: Schafer CS-7
API# 15-207-29244

DESCRIPTION	Quanity	RATE	AMOUNT
set 40.5' of 8 5/8" surface casing with 14 sacks of cement		included	
drilled 1398', (6 3/4" hole)	1.00	10125.00	10,125.00
core	1.00	included	
core #2	1.00	1500.00	1,500.00

APPROVED JA 7/6/2015

SUBTOTAL	$	11,625.00
TAX RATE		
SALES TAX		-
OTHER		
TOTAL	$	11,625.00

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.	cs 7	Schafer	2475'fnl, 539"fel	SW	SE	SE	26	26s	14e
P.O. Box 388	Well API #	Type/Well	County	State	Total Depth		Date Started	Date Completed	
Iola, KS 66749	15-207-29244	Oil	Woodson	KS	1398'		6/18/2015	6/23/2015	

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'	40.5	1	3"	1293'	1321'	99
Andy King	Casing Size:	8 5/8	PDC	6 3/4	40.5'	1392'	2	3"	1321'	1343'	99
Charles King	Casing Length:	40.5'									
	Cement Used:	14SX									
	Cement Type:	Portland									

Formation Record

From	To	Formation	From	To	Formation	From	To	Formation
0	27	Overburden						
27	219	shale						
219	483	lansinglime						
483	558	shale						
558	738	Kc lime						
738	822	shale						
822	837	lenpa lime						
837	868	sandy shale						
868	878	lime						
878	1024	sandy shale						
1024	1066	Ft Scott Lime						
1066	1070	sandy shale						
1070	1240	shale						
1240	1244	Black shale						
1244	1293	shale						
1293	1321	Core #1						
1321	1343	Core #2						
1343	1397	shale				Well Notes:		
1397	1398	Miss. Lime						


F103
Mining Services Chart
Carl
BS-7
6/18/2015
Zinn time
6-19-2015
Base Lansing
558 KC
6-22-2015
800'
1293 Core
1321-1395 2nd Core

Colt Energy, Inc.
Geological Report

Well: **Schafer #CS-7** Draft: 6/25/2015
2475 FNL, 539 FEL
Section 22-T26S-R14E
Woodson Co., KS
API #: 15-207-29244
Elevation: 939 GL (est. from the surveyed location of Pendley #14)
Drilling Contractor: Andrew King (Op. Lic. #34953), dba BAR Drilling, LLC
Spud: 6/18/2015
Surface Casing: 11.75" bore hole, 8 5/8" set at 40.5', cmtd w/ 14 sx of Portland
Under Surface: 6/19/15
Drilling fluid: water "native mud" and a little polymer
Production bore hole: 6.75"
Rotary Total Depth (RTD): 1398' (6/23/15)
Geophysical E-Log(s): CDL and IES by Osage Wireline (6/23/15)
Production Casing: 1385.50' of 4 ½", 10.5#/ft., includes 4' cmt pup jt., cmtd w/ 135 sx, (6/24/15)
Production Casing: Ran in hole by: BAR Drilling, LLC (6/24/15)

Formation/Member	DL/Spl Tops	Log Tops (Rdd off)	Datum (939)
Lansing Ls	219 (DL)	219	720
Base Lansing	483	478	461
Kansas City Ls	558	558	381
Stark Sh	----	649	290
Hushpuckney Sh	----	688	251
Base Ks City	----	719	220
"Old Drillers Log" B. KC	738	733	206
South Mound Sh	----	827	112
"Weiser" Ss	----	933	6
Mulberry Coal	----	969	-30
Myrick Station Ls	----	992	-53
Anna (Lexington Coal Zone) Sh	----	997	-58
Ft. Scott ("Oswego") Ls	1022 (spl)	1021	-82
Little Osage (Summit Coal Zone) Sh	1041	1041	-102
Excello Sh	1055	1055	-116
Mulky Coal	1058	1058	-119
Squirrel Sand	1066	1065	-126
Bevier Coal	1120	1120	-181
Verdigris (Ardmore) Ls	1132	1133	-194
"V" (Croweburg) Sh	1134	1135	-196
Croweburg Coal	----	1136	-197
Fleming Coal	1173	1175	-236
Mineral Coal	1189	1191	-252
Scammon Coal	1207	1210	-271
"Lower" Cattleman Ss	1210	1212	-273

Formation/Member	Spl Tops	Log Tops (Rdd off)	Datum (939)
Un-named Carb. Zone	1239	1240	-301
Un-Named Coal (Tebo?)	1249	1250	-311
Bartlesville Ss Zone	1289	1289	-350
"Clean" Bartlesville Ss	1291	1291	-352
Un-Named Coal	1348	1349	-410
Riverton Coal	1358	1359	-420
Mississippian	*1396	---- (not log'd)	*-457
Rotary Total Depth	1398	----	-459
E-log TD	----	1397	-458

The following report is based on microscopic examination of rotary drill cuttings collected on location while drilling, two cores 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 1050 to 1110, 1160 to 1180, and 1200 to 1398' (RTD).

Major Zones of Interest:

"Weiser" Sandstone. The open hole logs – "log" shows the "cleaner" part of the sand with the better porosity from 940 to 968, there is a "cross-over" effect, which indicates the presence of hydrocarbons from 964-966, but all this sand is "watery" and does not merit further testing, there is enough for the possibility of a water source for water injection purposes

Mulberry Coal, 969 -970. The log indicates a foot of coal with a bulk density of 1.93.

Anna Shale (Lexington Coal Zone), 997-999. No coal present.

Little Osage Shale (Summit Coal Zone), 1041-1043. Shale, black, mostly angular cuttings, trace pyritic, no coal, or visible shows of gas.

Excello Shale, 1055-1058. Shale, black, mix of angular, platy, and blocky cuttings, pyritic in part, no shows of gas.

Mulky Coal, 1058.5+/- -1260. Coal, few "floaters", no apparent shows of gas, log shows around 1.5 feet of coal with a bulk density of 1.75.

Squirrel Sand, 1065-1069. Silt/sandstone, light browns, silt size to very fine with trace fine grain, angular to very angular, poor to very poorly sorted, poor to moderately consolidated, very friable clusters to loose grains, poor to very poor porosity, fair amount of micro shale platelets, no fluorescence, no petroliferous odor, no show of free oil or gas, weak show of hydrocarbon residue – "dead oil".

Schafer #CS-7

Squirrel Sand Zone continued:

1073-1081. Silt/sandstone, various shades of gray (due to hydrocarbon residue), silt size to fine grain, mostly very fine grain, angular to very angular, poor to very poorly sorted, very poor to moderately consolidated, very friable to friable clusters, abundant loose grains, fair to good porosity, samples indicate fair amount of micro lamina, but log shows sand to be fairly "clean", no fluorescence, very weak to questionable oily odor, no visible shows of free oil or gas, fair to trace good shows of hydrocarbon residue – "dead oil", based on the drill cutting examined, the Squirrel Sand does not merit further testing.

Bevier Coal, 1120-1121. Log shows about 10+/- inches of coal with a bulk density of 2.09

Croweburg Coal, 1136+ -1137. Only a trace of coal in sample, very few "floaters", and log reveals around a foot of coal with a bulk density of 1.94.

"Upper" Cattleman Sand Zone, 1143-1148. Silt/sandstone, very light-pale green, silt size to very fine grain, trace fine grain, sub-angular to angular, poor to moderately well sorted, moderately well consolidated, poor to very poor porosity, abundant pale green micro shale platelets in all the clusters, no shows, sand is "watery". Noted this sand for the record only, but when drilling may elect to "keep an eye" on this zone, may develop and contain hydrocarbons.

Fleming Coal, 1175-1176+. Coal, few "floaters", no shows of gas, log shows over 1.5 feet of coal with a bulk density of 1.64.

Mineral Coal, 1191-1192. Coal, less than 5% were "floaters", trace "coaly-shale", gritty textured, pyritic in part, no apparent shows of gas, log indicates a little over a foot of coal and has a bulk density of 1.91.

Scammon Coal, 1210-1211+. Coal, less than 5% were "floaters", no show of gas, has a bulk density of 1.73.

"Lower" Cattleman Sand Zone, 1212-1216+/-. Silt/sandstone, grays (due to hydrocarbon residue), silt size to very fine with trace fine grain, mostly very angular, poor to very poorly sorted, poor to moderately well consolidated, friable clusters, few loose grains, very poor to poor porosity, appeared micro laminated, micaceous, shaley, no to very-very weak questionable oily odor, no fluorescence, no shows of free oil or gas, very weak show of hydrocarbon residue.

Un-named Carbonaceous Zone (Tebo?), 1240-1244+. Shale, black, pyritic, few scattered micro carbonaceous fragments, no shows.

Tebo Coal, 1250-1252+. Coal, 40%+ were "floaters"; log shows over 1.5 feet of coal with a bulk density of 1.66.

Schafer #CS-7

Major Zones of Interest continued:

Bartlesville Sand Zone:

1289-1293. Sandstone, various shades of browns (due to oil content), silt size to medium grain, angular to very angular, poorly sorted, very poor to well consolidated, friable to semi-friable clusters, fair amount of loose grains in samples, fair to very good inter-granular porosity, top 2+/- feet had micro lamina of medium gray silty shale, trace carbonaceous fragments, sand became "cleaner" with depth, fair fluorescence (for the area), very good to strong oily odor, good to very good shows of very dark brown free oil, few gas bubbles, while circulating at 1293, circulated a very good show of free oil to drilling pits.

Note: cored the Bartlesville Sand Zone from 1293 to 1320.6+/- and again from 1321+/- to 1343 (Driller's depths which are the same (+/-1 foot) with the log measurements, please see the Core Report for more details.

Un-named Coal (possibly one of the Neutrals / "AW" or "BW"), 1349-1351. Coal, 40%+ were floaters, few scattered gas bubbles, log shows 2+/- feet of coal with a bulk density of 1.51.

Riverton Coal, 1359-1360+. Coal as above, same percentage (possibly a little more) of "floaters", trace secondary fracturing with pyrite and gypsum along fracture planes, log indicates a little of 2 feet of coal with a bulk density of 1.60.

Mississippi, 1296-1298 (spl footage, not logged): Limestone (only a half dozen or so pieces in samples), light tans, off white, cream, fine to very coarse crystalline with fossil fragments in a micro crystalline matrix – looked "re-worked", no chert or dolomitic material in samples, fair amount of light to medium beige clay/shale cuttings, no show.

Summary:

Due to the shows of oil found in the Bartlesville Sand, the decision was made to run production casing for further testing of this sand for commercial production, in the event that it is "non-commercial", the subject well should be converted into a water injection well.

End Report

Rex R. Ashlock
For: Colt Energy, Inc.

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

GAMMA RAY / NEUTRON / CCL

File No.

API# 15-207-29,244

Company: Colt Energy, Inc.
Well: Schafer No. CS-7
Field: Big Sandy
County: Woodson   State: Kansas

Location: 2475' FSL & 539' FEL
SW-SE-SE-NE
Sec. 22   Twp. 26s   Rge. 14e

Other Services: Perforate

Permanent Datum: GL   Elevation: 939'
Log Measured From: GL
Drilling Measured From: GL

Elevation: K.B. NA, D.F. NA, G.L. 939'

Date	06-30-2015		
Run Number	One		
Depth Driller	1398.0		
Depth Logger	1376.0		
Bottom Logged Interval	1375.0		
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. / Location	104 / Osawatomie		
Recorded By	Steve Windisch		
Witnessed By	John Amerman		

RUN	BORE-HOLE RECORD			CASING RECORD			
No.	BIT	FROM	TO	SIZE	WGT.	FROM	TO
One	12.25"	0.0	40.5	8.625"	24.0 #	0.0	40.5
Two	6.75"	40.5	1398.0	4.50"	10.5 #	0.0	1385.5
				Baffle	Set	At	1381.5

<<< Fold Here >>>

Comments

Drilling Contractor :
Bar Drilling, LLC

Database File: schafer 7cs.db
Dataset Pathname: pass1
Presentation Format: gr-n-ccl
Dataset Creation: Tue Jun 30 09:24:33 2015 by Log SCH 111116
Charted by: Depth in Feet scaled 1:240

HIGH RESOLUTION COMPENSATED DENSITY SIDEWALL NEUTRON LOG

Company COLT ENERGY INC.
Well SCHAFER # CS-7
Field BIG SANDY
County WOODSON
State KANSAS

Company COLT ENERGY INC.
Well SCHAFER # CS-7
Field BIG SANDY
County WOODSON **State** KANSAS

Location: API # : 15-207-29244-0000
SW SE SE NE
2475' FNL & 539' FEL
SEC 22 TWP 26S RGE 14E

Other Services
DIL

Elevation
K.B. ---
D.F. ---
G.L. 939'

Permanent Datum	GL	Elevation	939'
Log Measured From	GL		
Drilling Measured From	GL		

Date	6-23-2015		
Run Number	ONE		
Depth Driller	1398'		
Depth Logger	1397'		
Bottom Logged Interval	1395'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 40.50'		
Casing Logger	8.625" @ 40.50'		
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

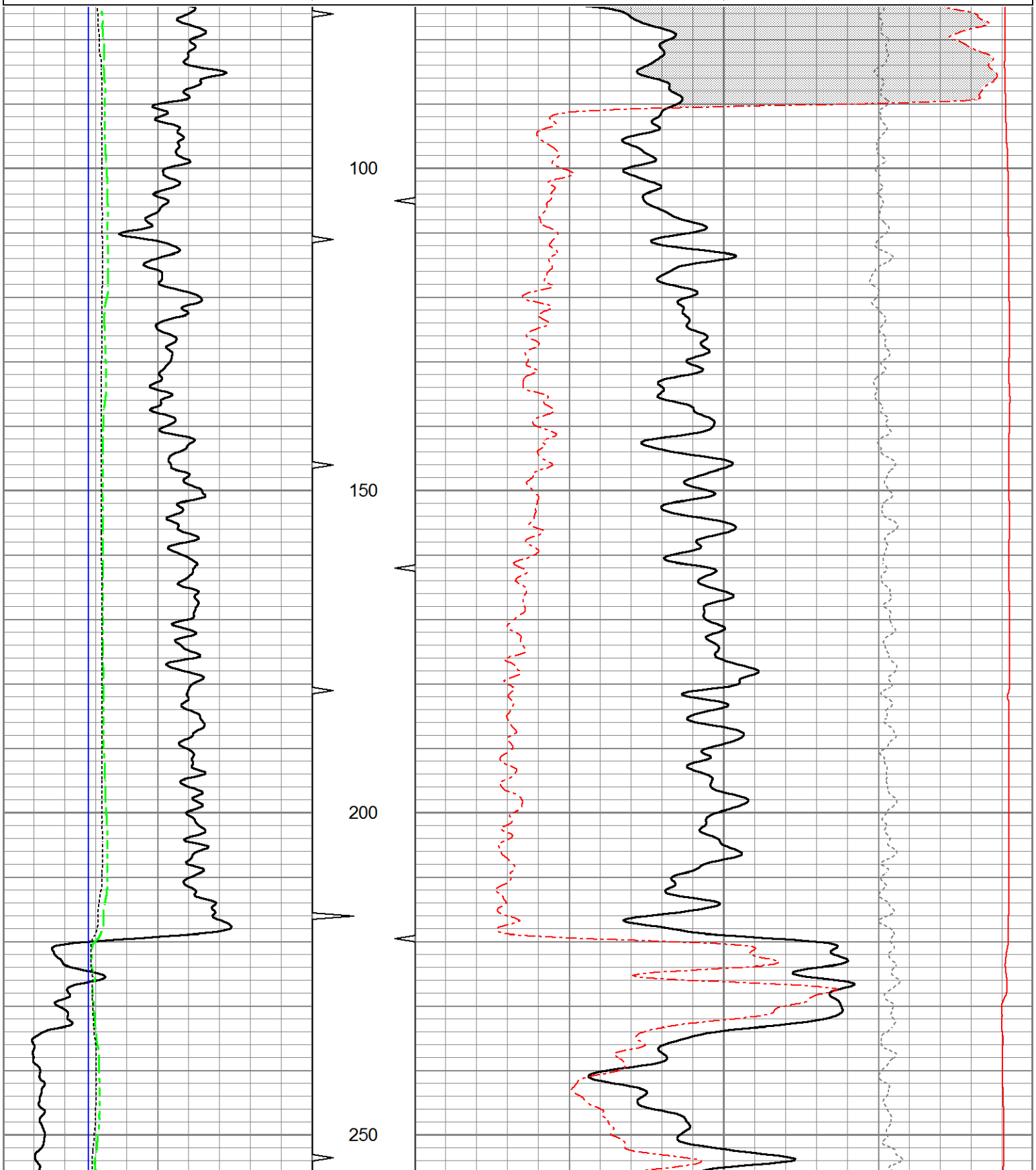
OW2-8840
MATRIX LIMESTON 2.71 G/CC
ABHV COMPUTED WITH 4 1/2 CASING

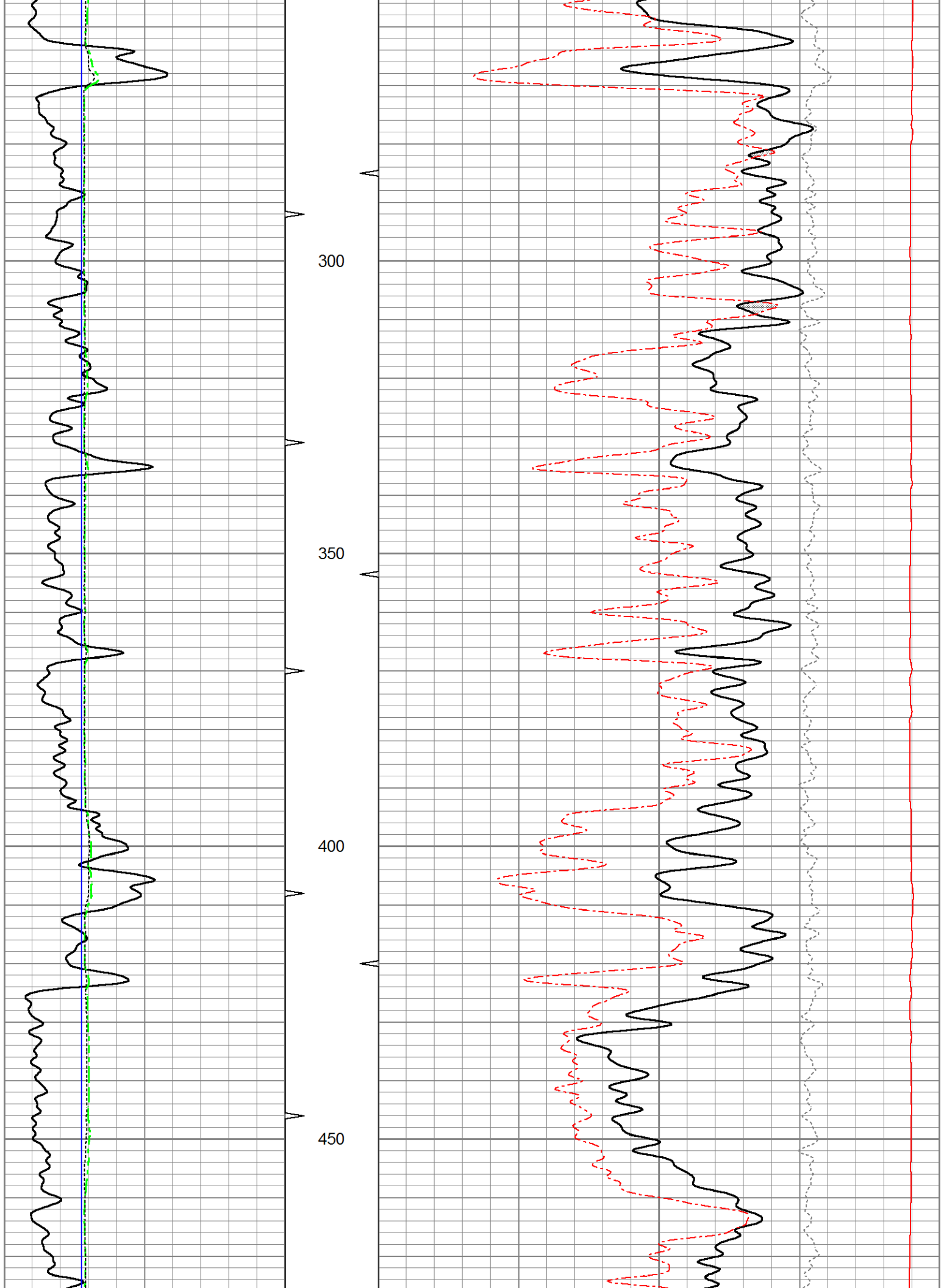
CREW : SHAMBLES

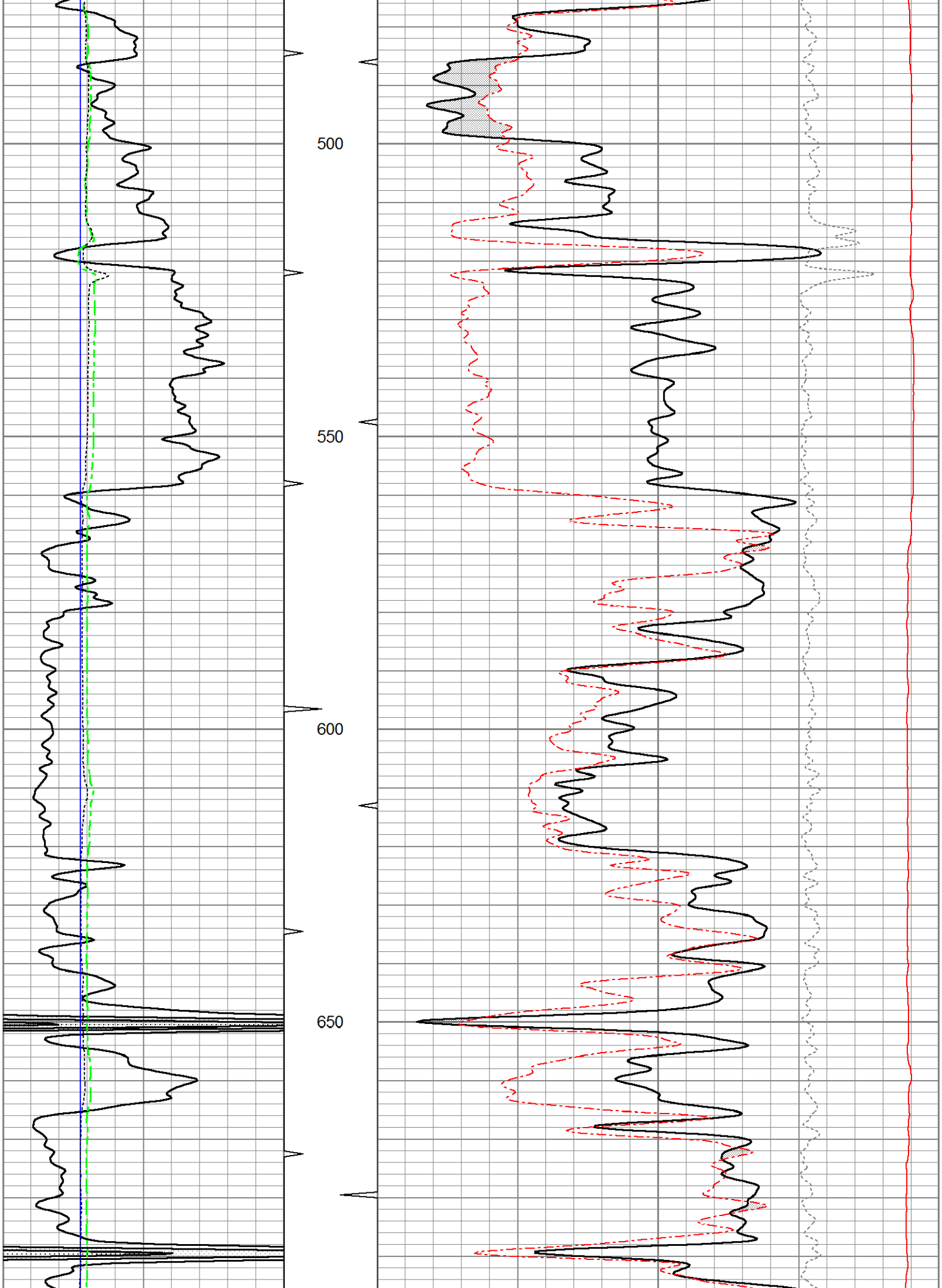
5" CDL/SWN SECTION

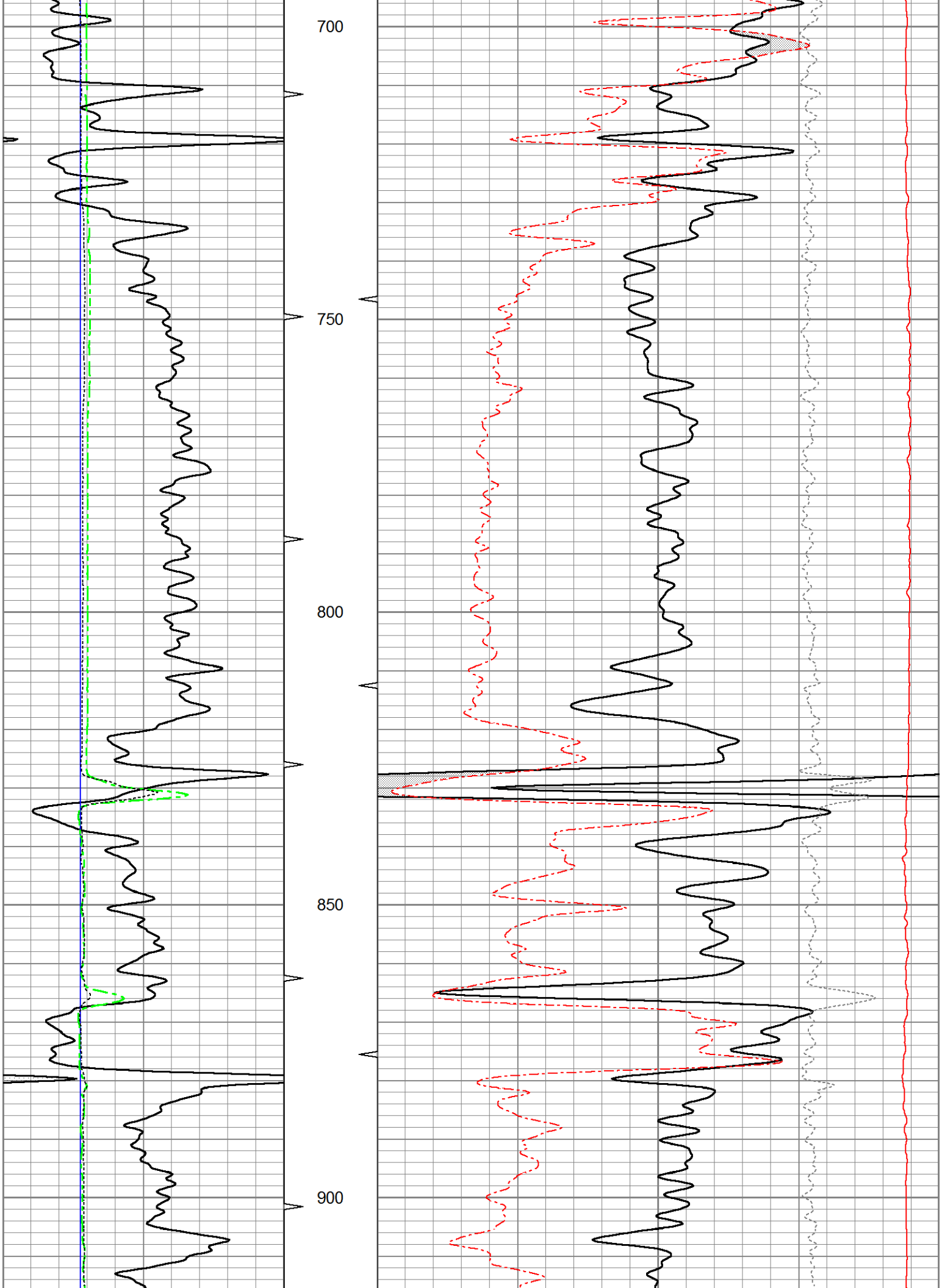
Database File	ow2-8840 colt energy.db
Dataset Pathname	CDL/pass1.4
Presentation Format	_neu4
Dataset Creation	Tue Jun 23 14:31:01 2015
Charted by	Depth in Feet scaled 1:240

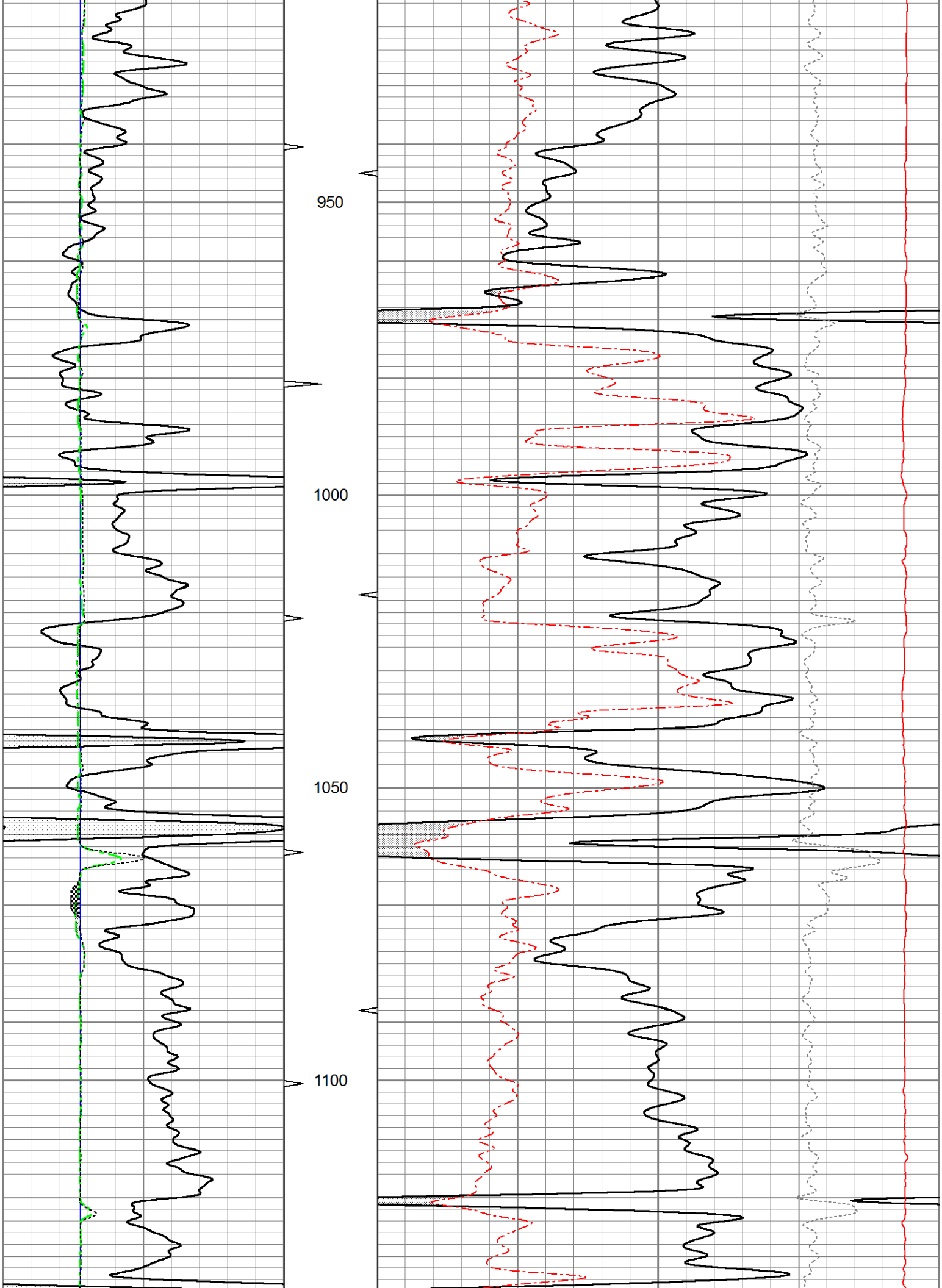
0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)		-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)		-10
4	Neutron Caliper (in)	14			-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14			5000	Line Tension (lb)	0

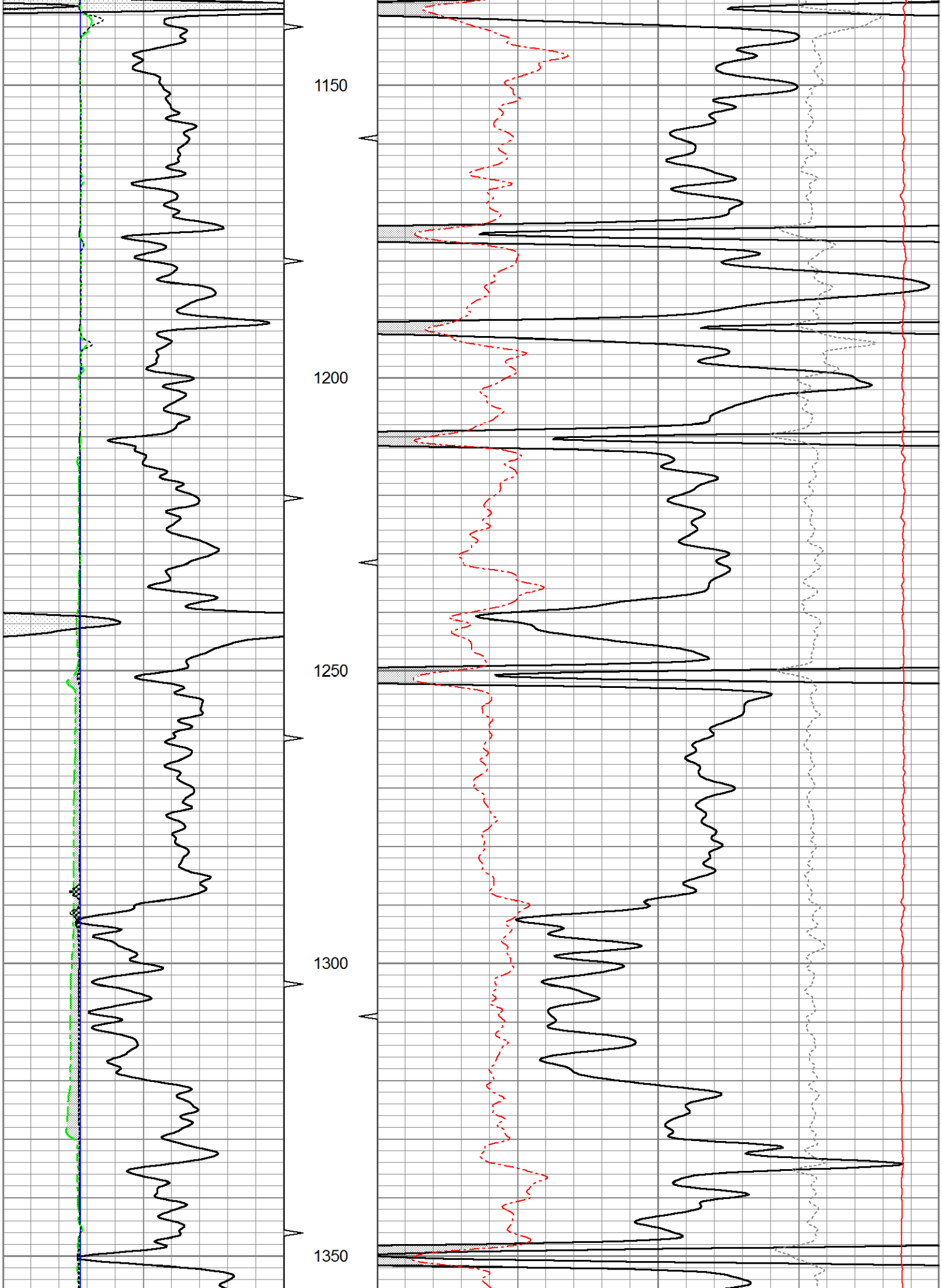


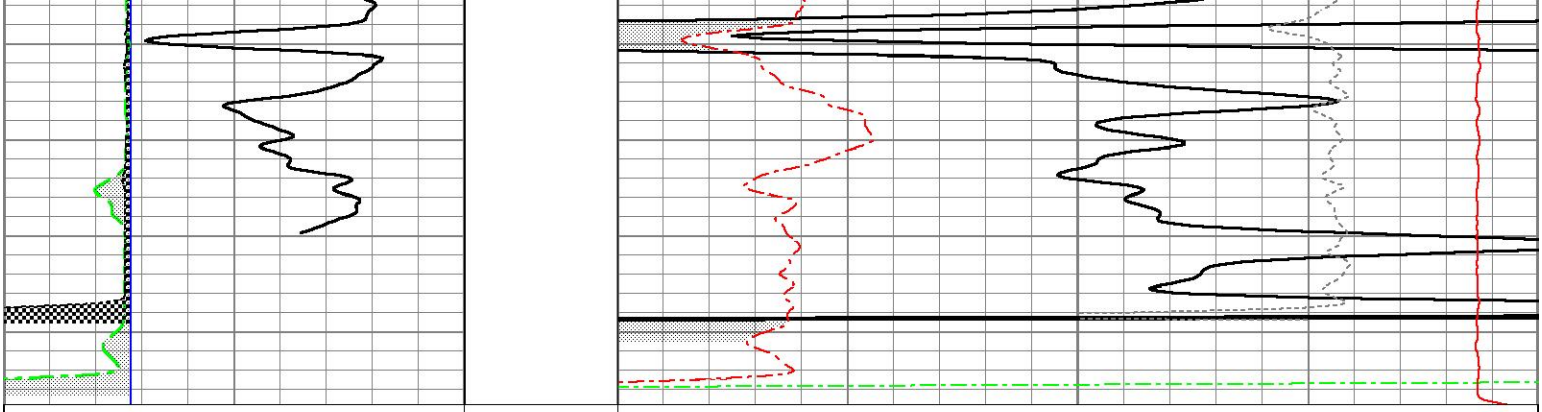

300
350
400
450


500
550
600
650


700
750
800
850
900


950
1000
1050
1100


1150
1200
1250
1300
1350

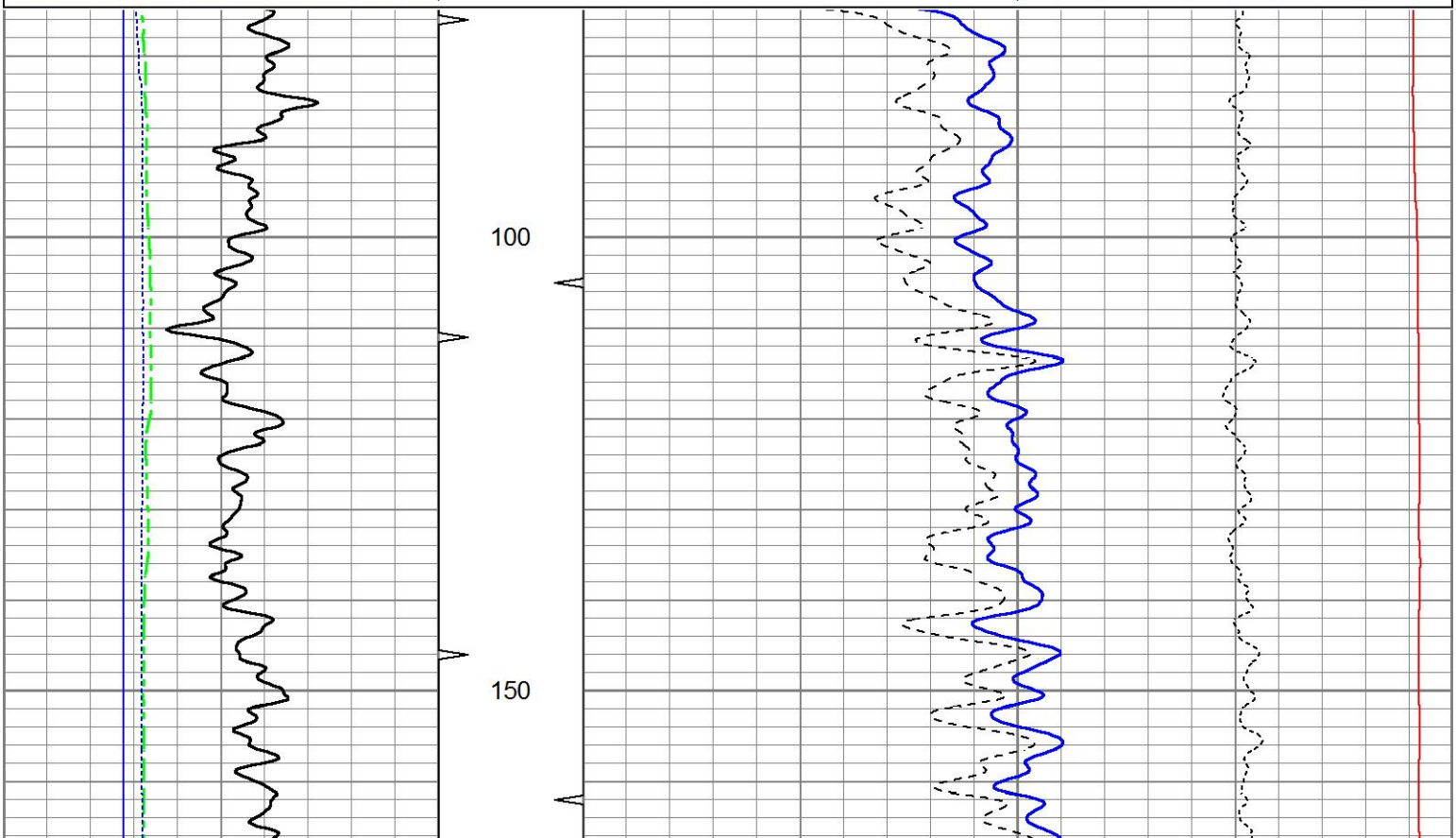


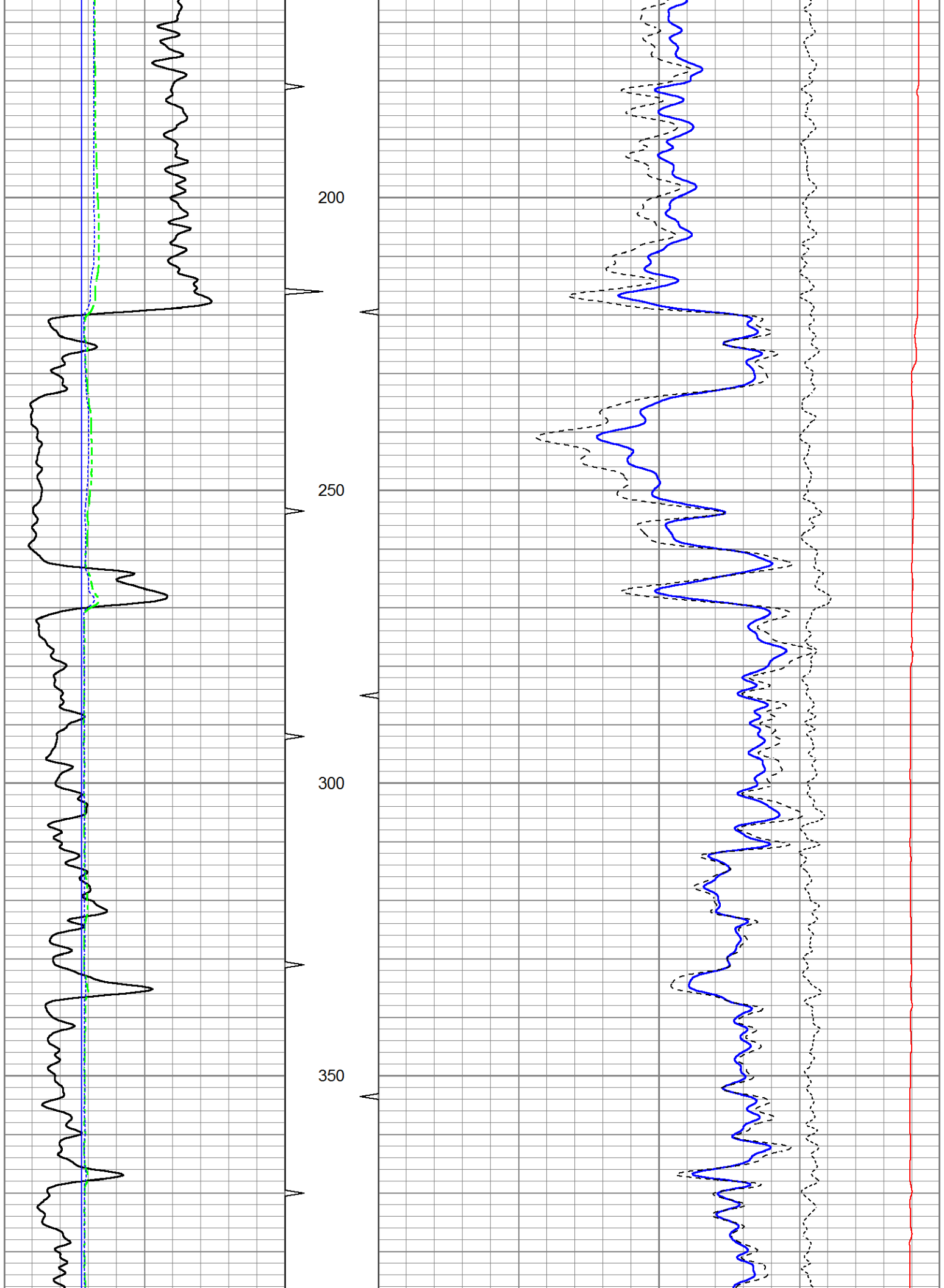
0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)		-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)		-10
4	Neutron Caliper (in)	14			-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14			5000	Line Tension (lb)	0

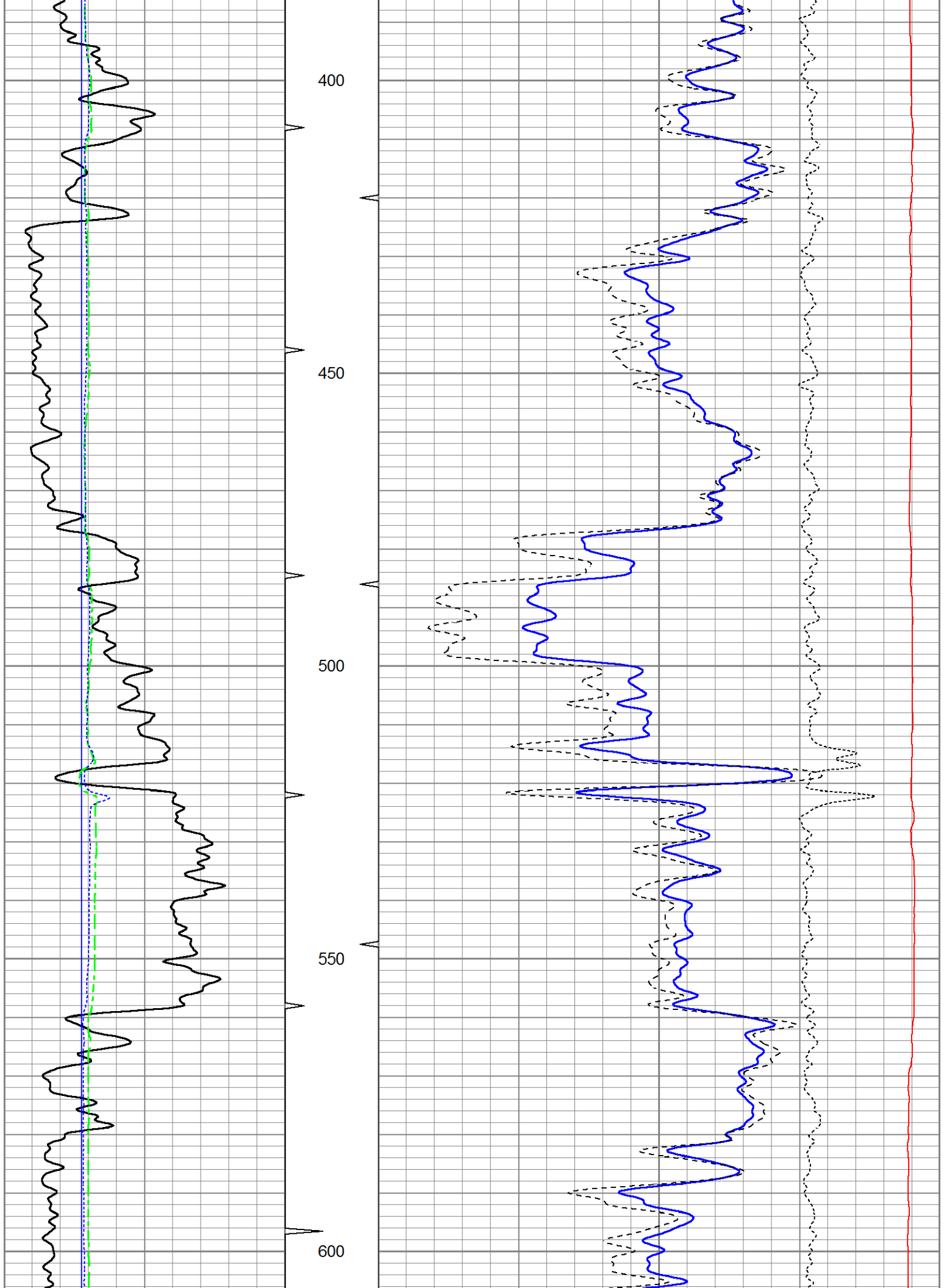
5" CDL SECTION

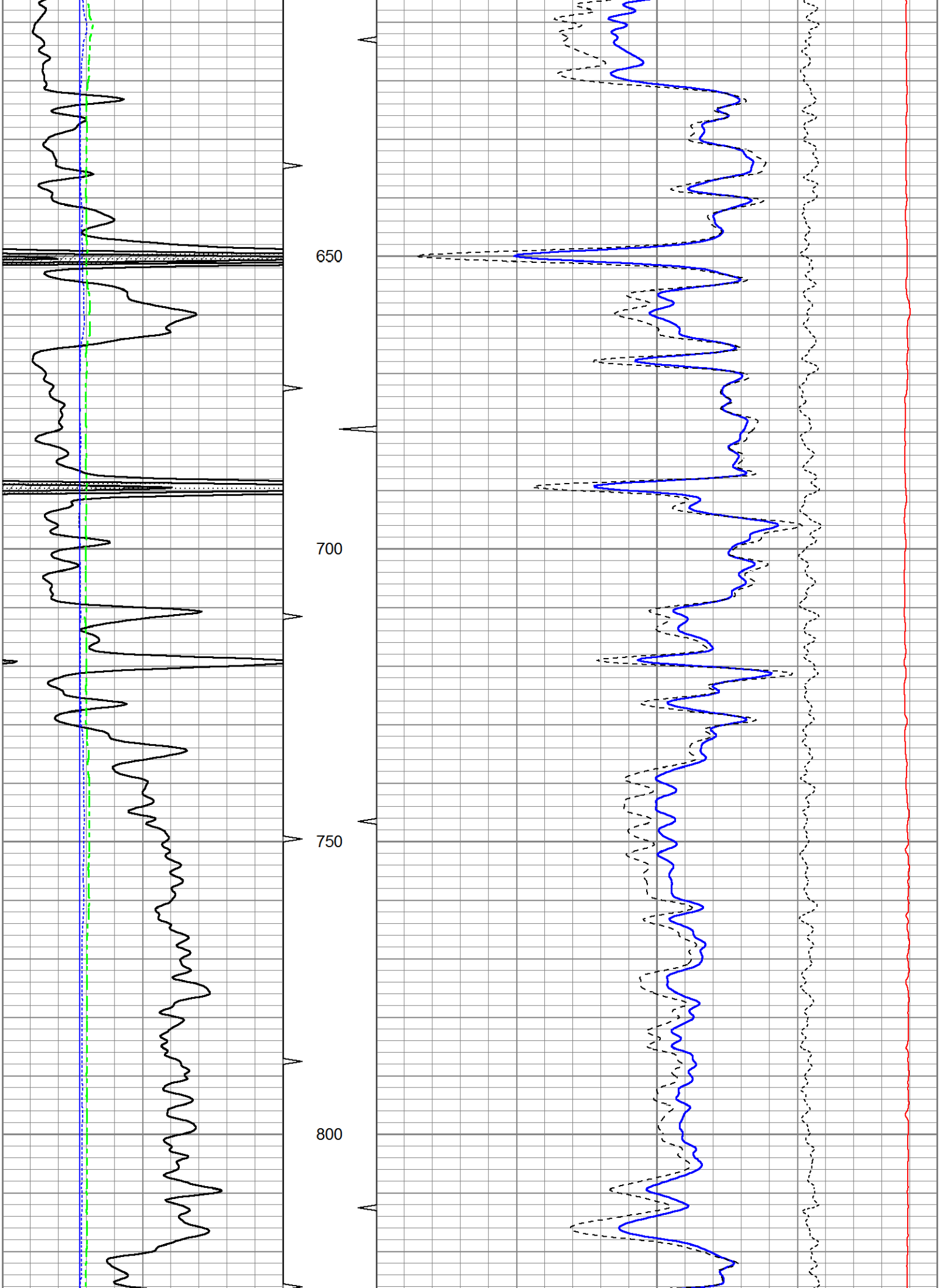
Database File	ow2-8840 colt energy.db
Dataset Pathname	CDL/pass1.3
Presentation Format	bulk4
Dataset Creation	Tue Jun 23 14:30:52 2015
Charted by	Depth in Feet scaled 1:240

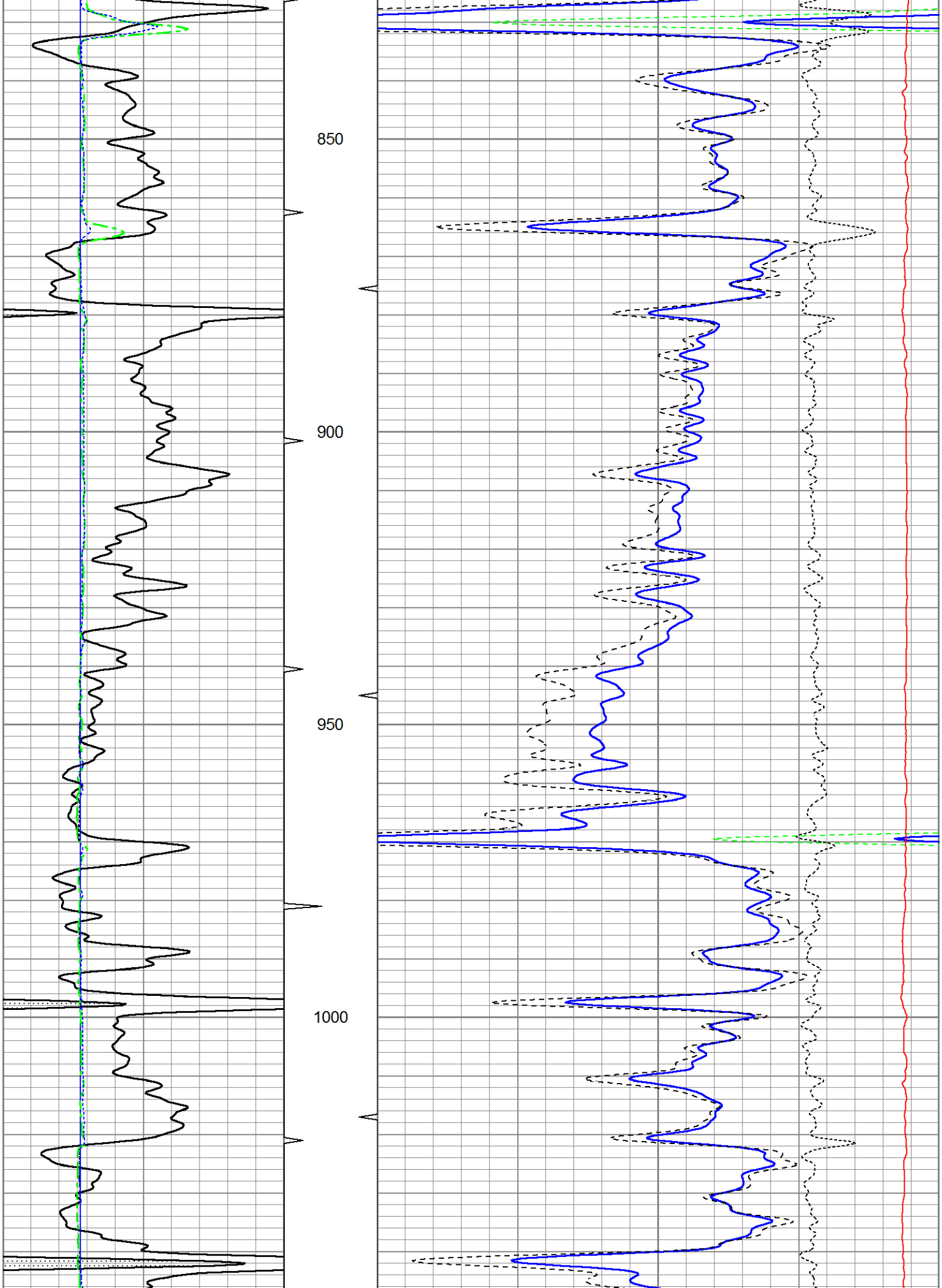
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Neutron Caliper (in)	14			-0.5	Correction (g/cc)	0.5
4	Density Caliper (in)	14			5000	Line Tension (lb)	0

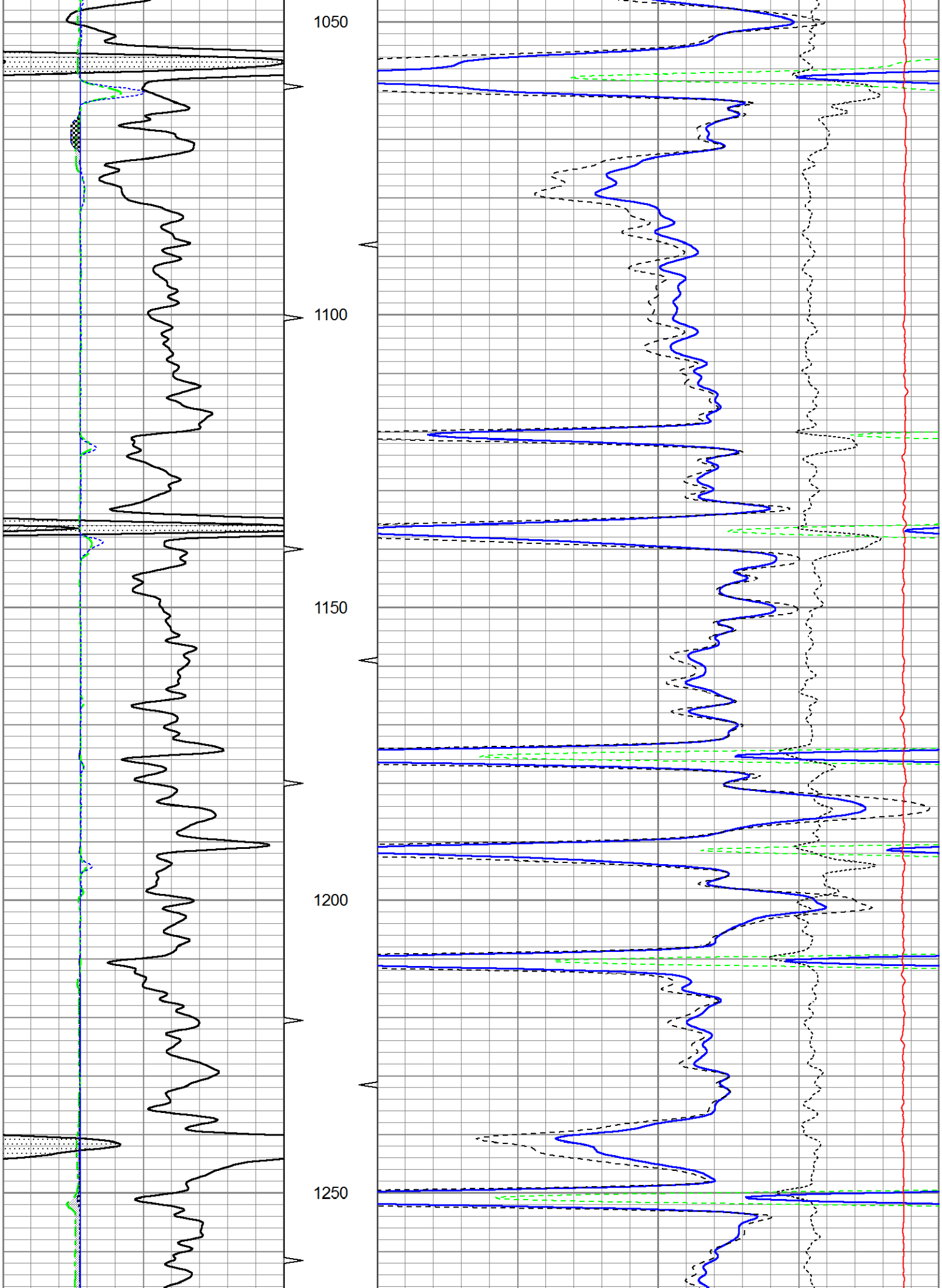


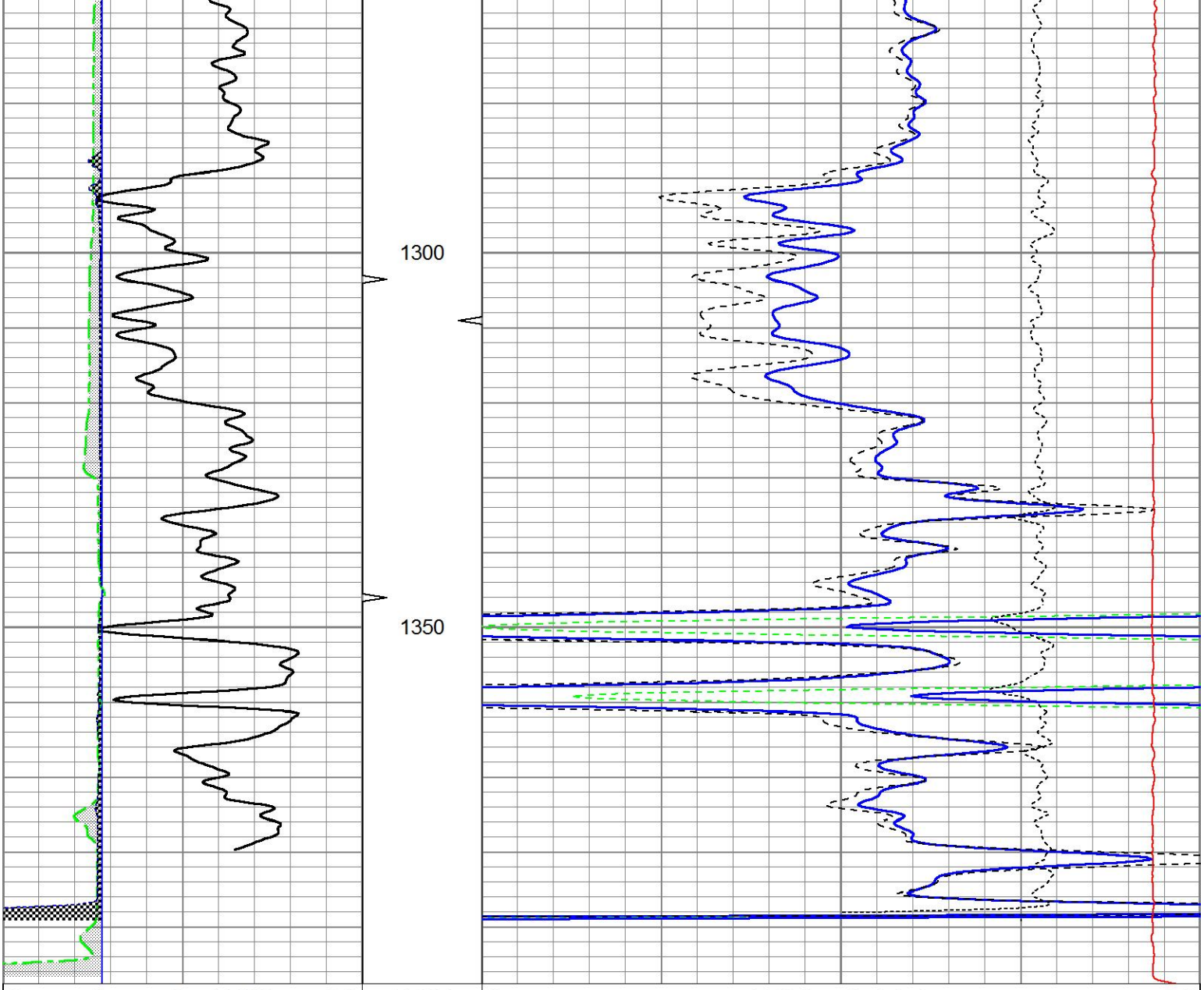

200
250
300
350


400
450
500
550
600


650
700
750
800


850
900
950
1000


1050
1100
1150
1200
1250

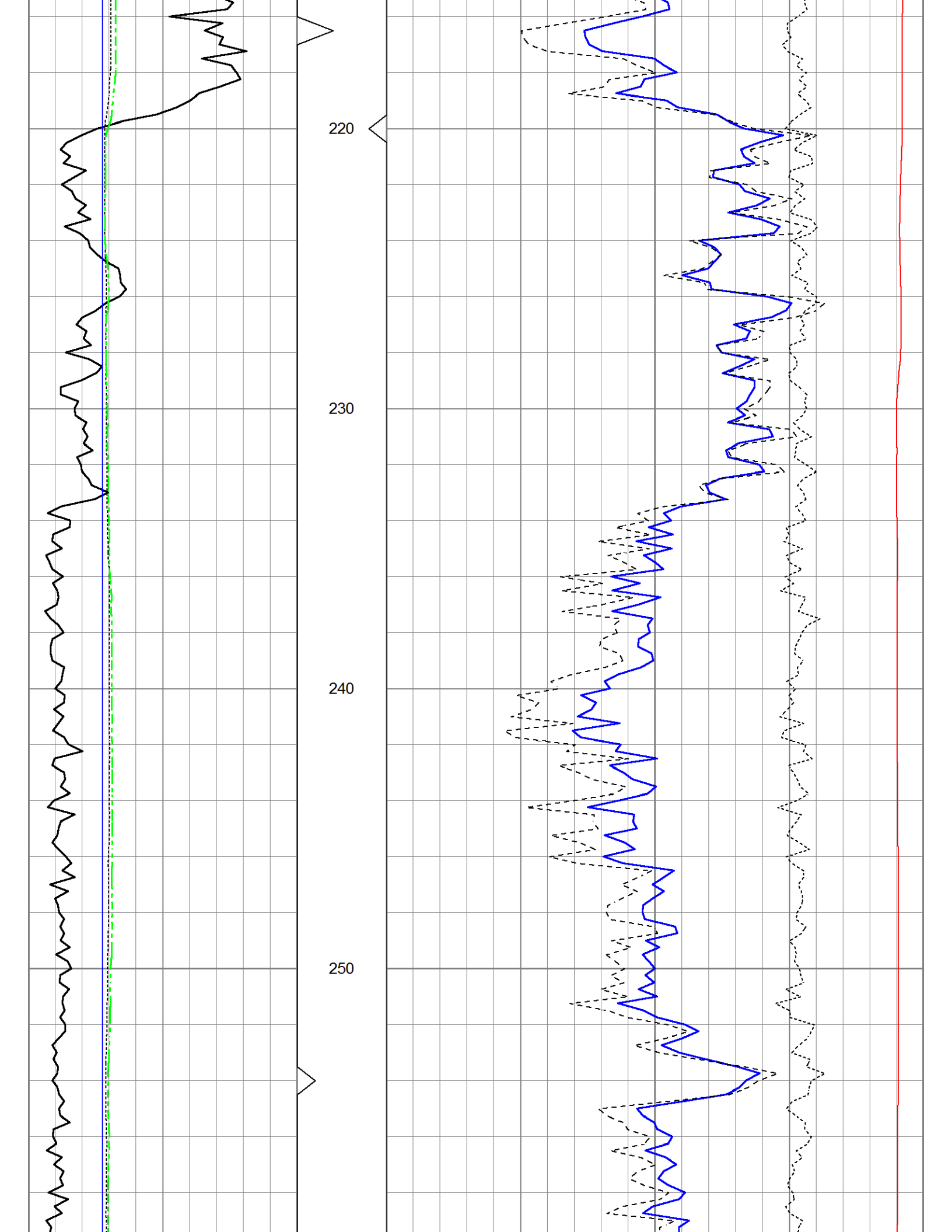


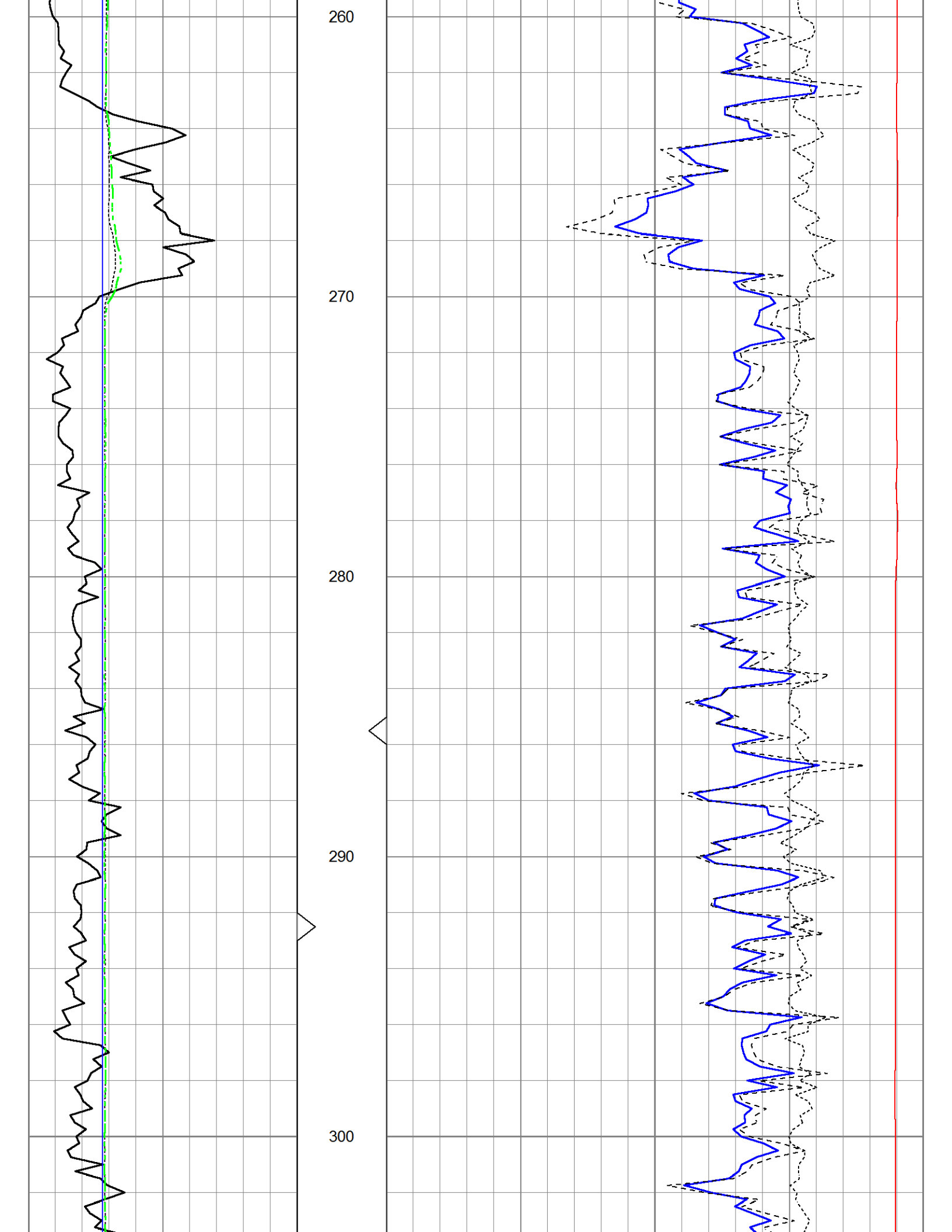
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Neutron Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Density Caliper (in)	14				5000 Line Tension (lb)	0

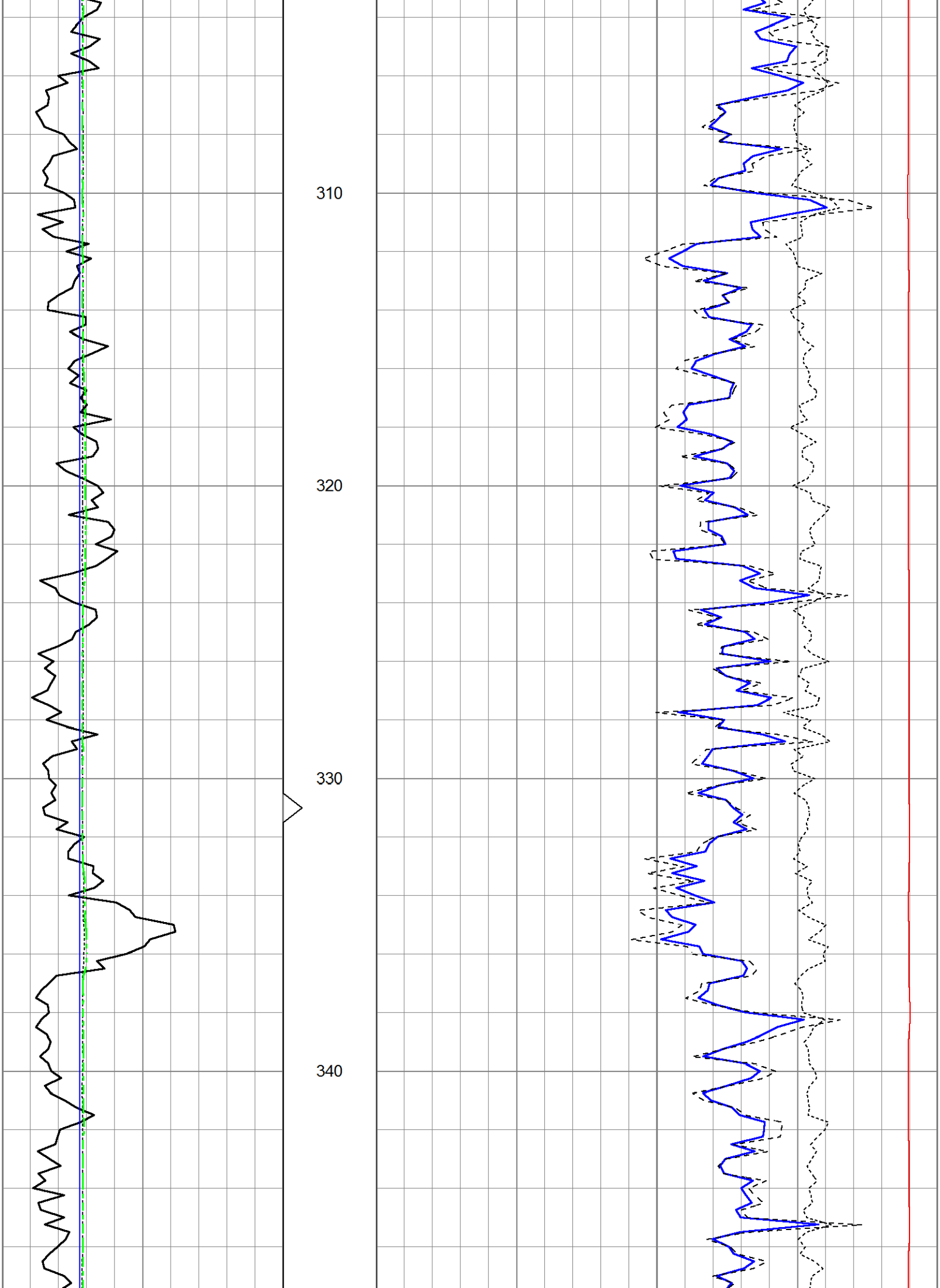
25" HR CDL SECTION

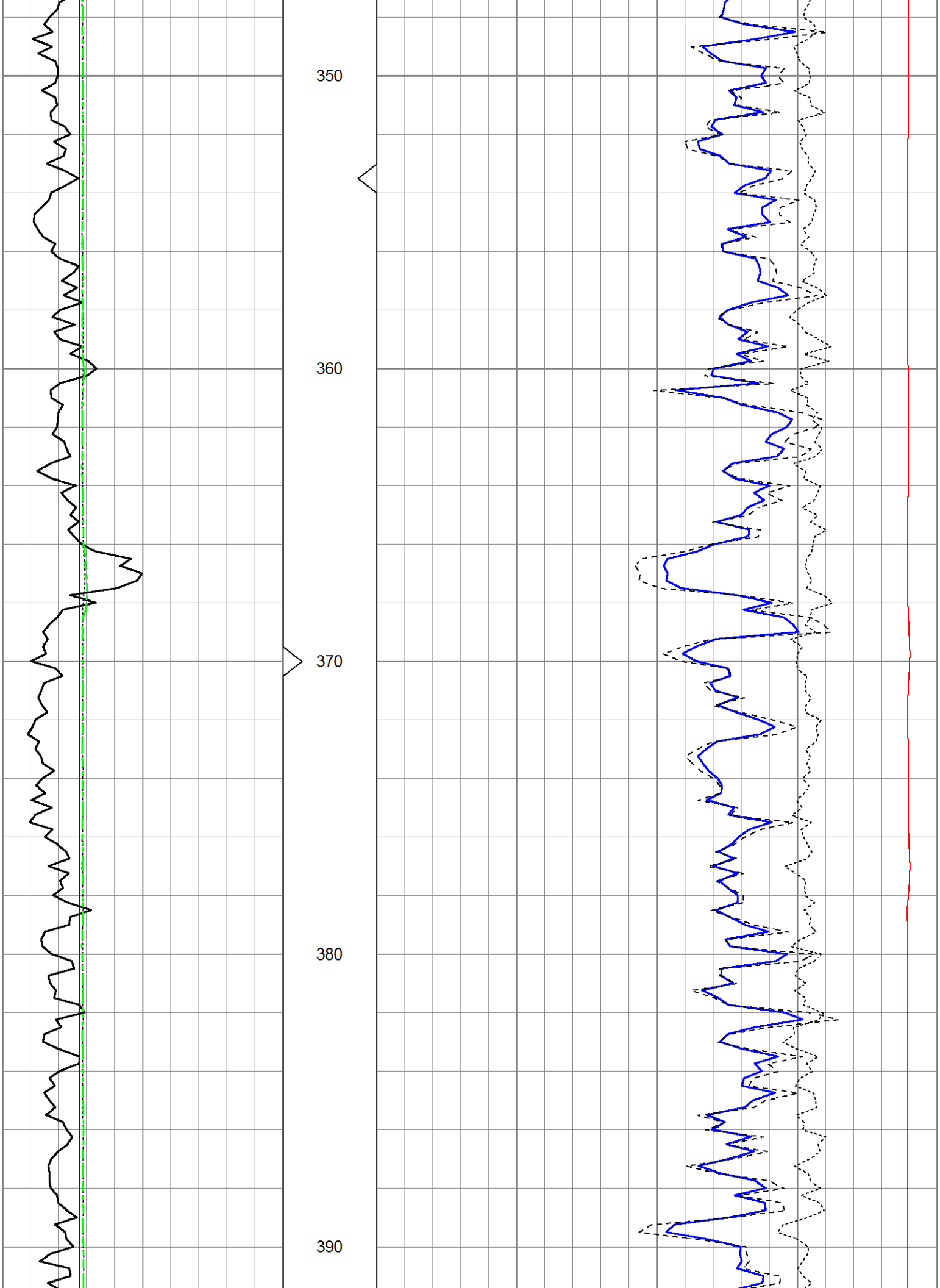
Database File	ow2-8840 colt energy.db
Dataset Pathname	CDL/pass1.5
Presentation Format	bulk4hr
Dataset Creation	Tue Jun 23 14:31:18 2015
Charted by	Depth in Feet scaled 1:48

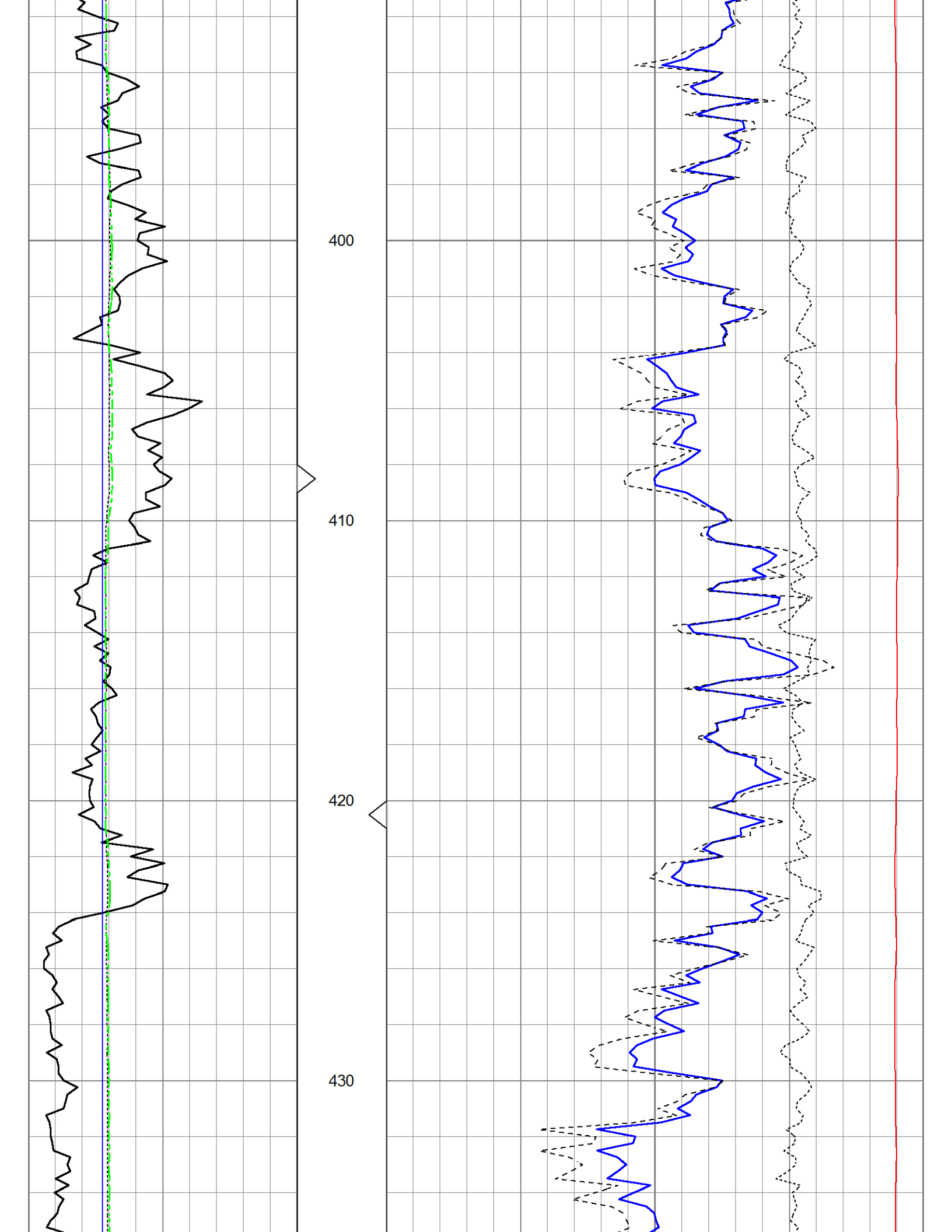
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)		3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)		-10
4	Density Caliper (in)	14				-0.5 Correction (g/cc)	0.5
4	Neutron Caliper (in)	14				5000 Line Tension (lb)	0

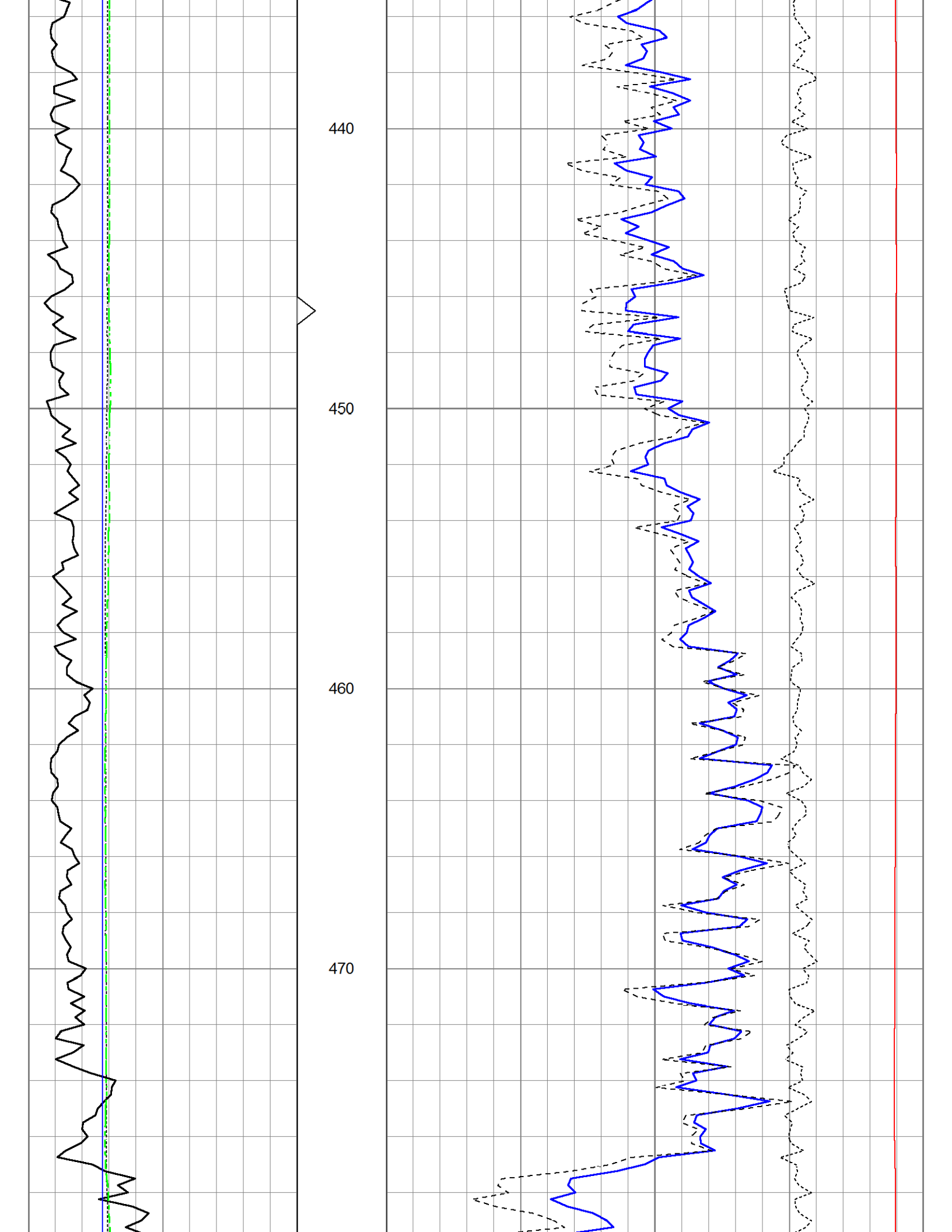

220
230
240
250

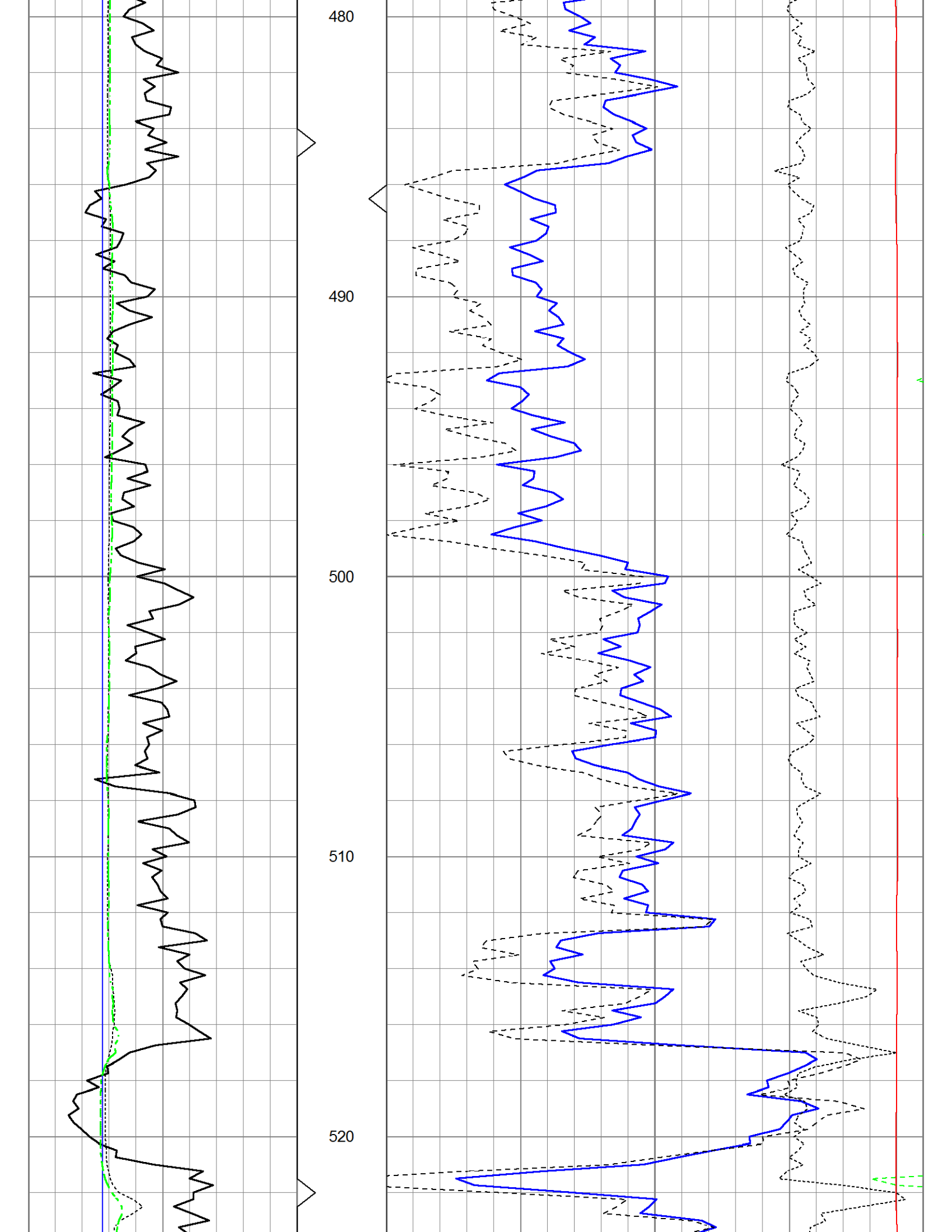

260
270
280
290
300

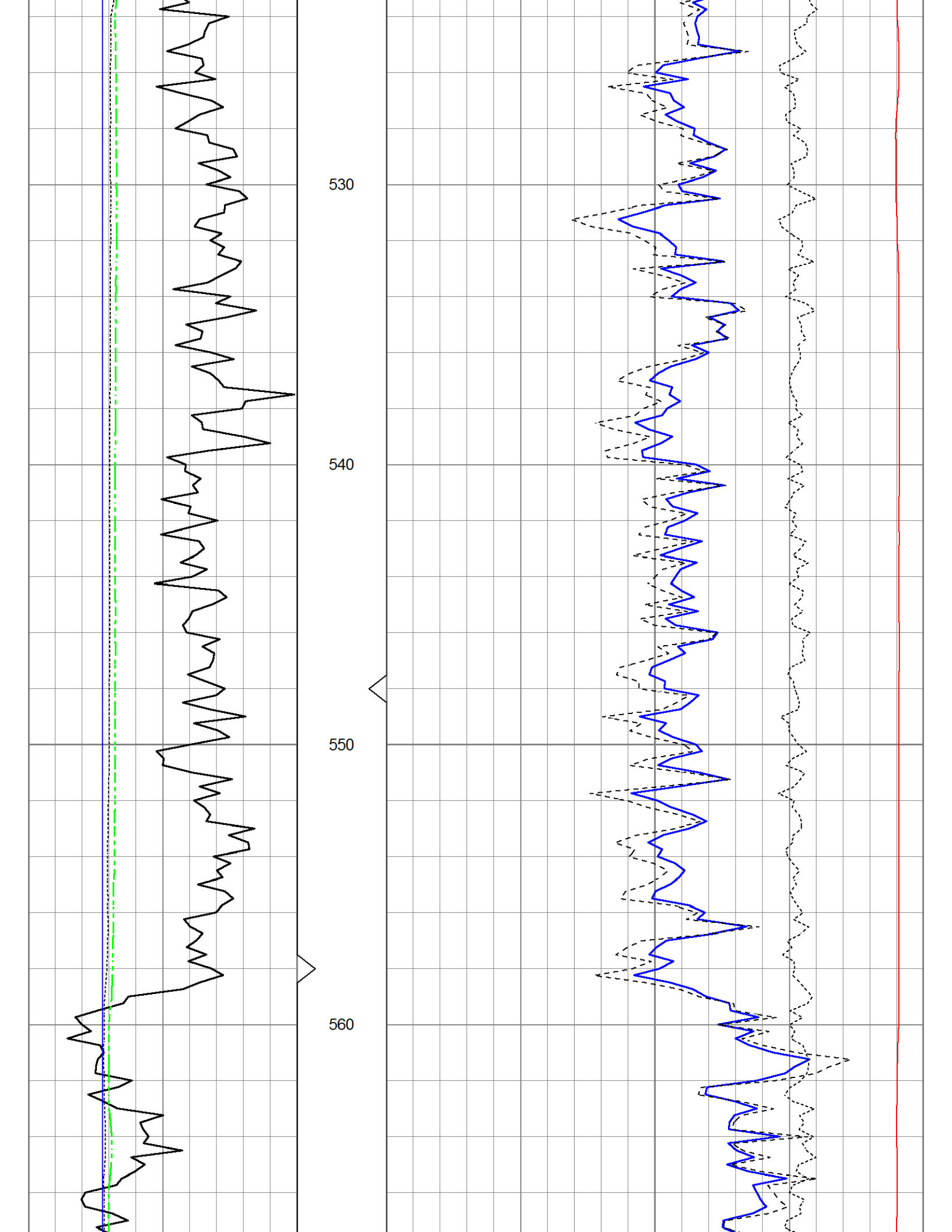

310
320
330
340

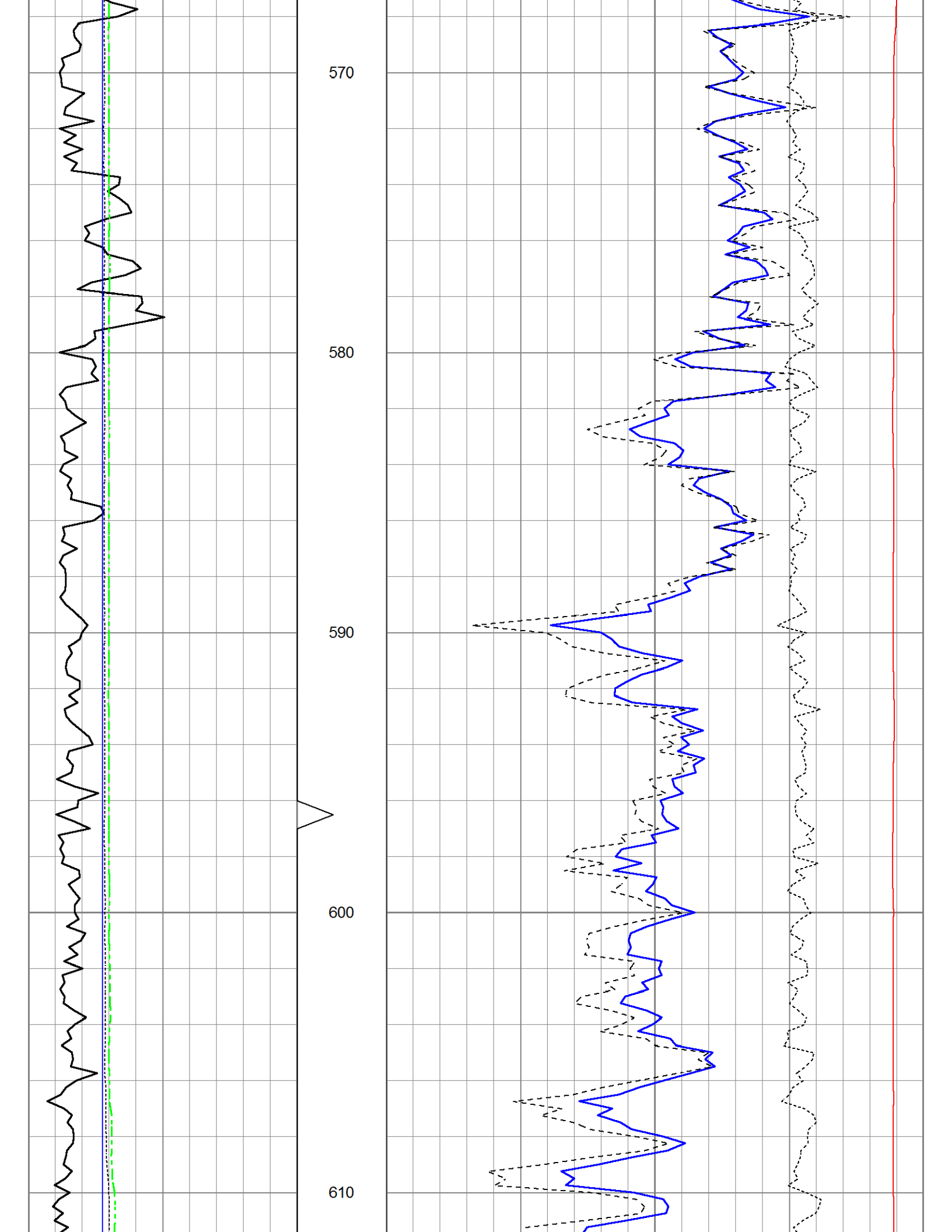

350
360
370
380
390

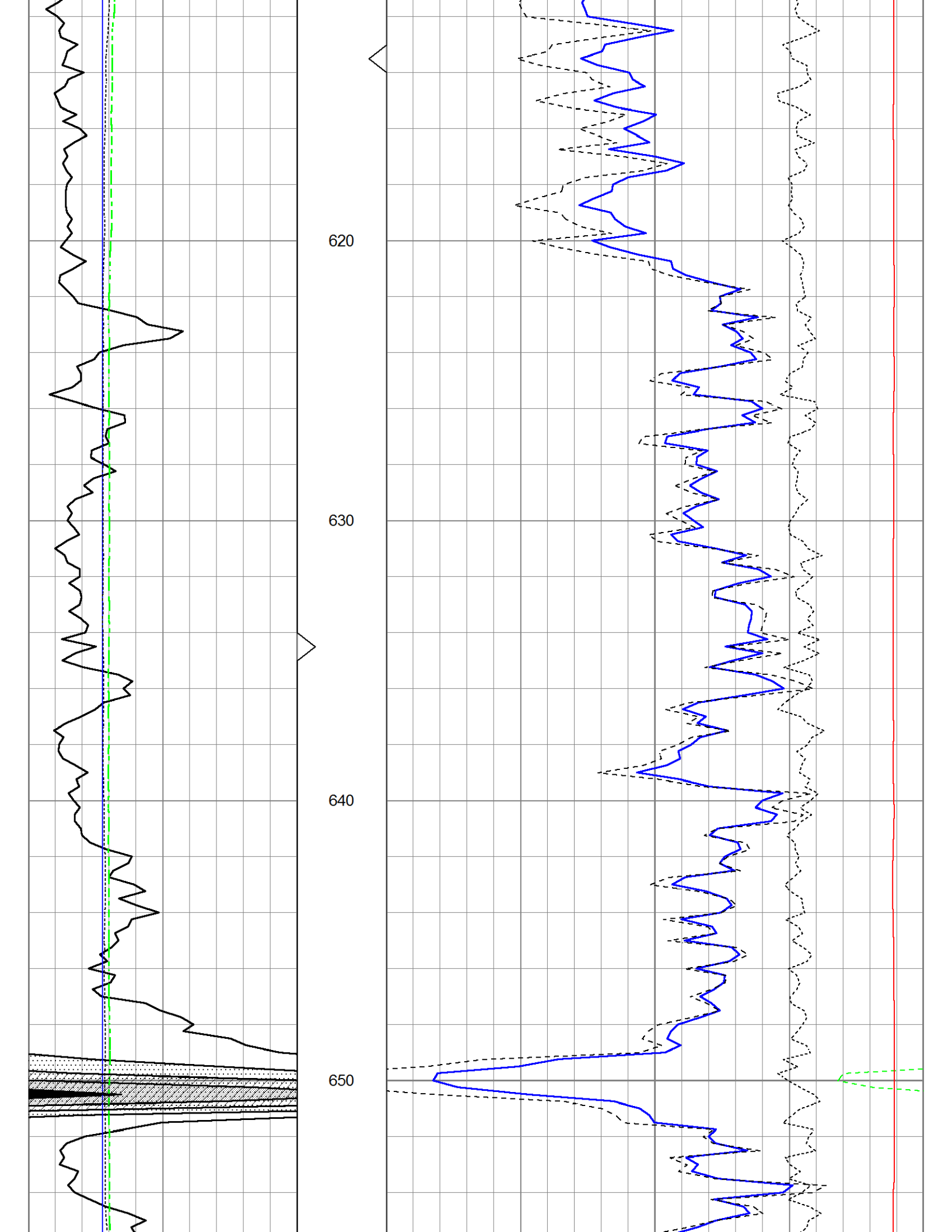

400
410
420
430

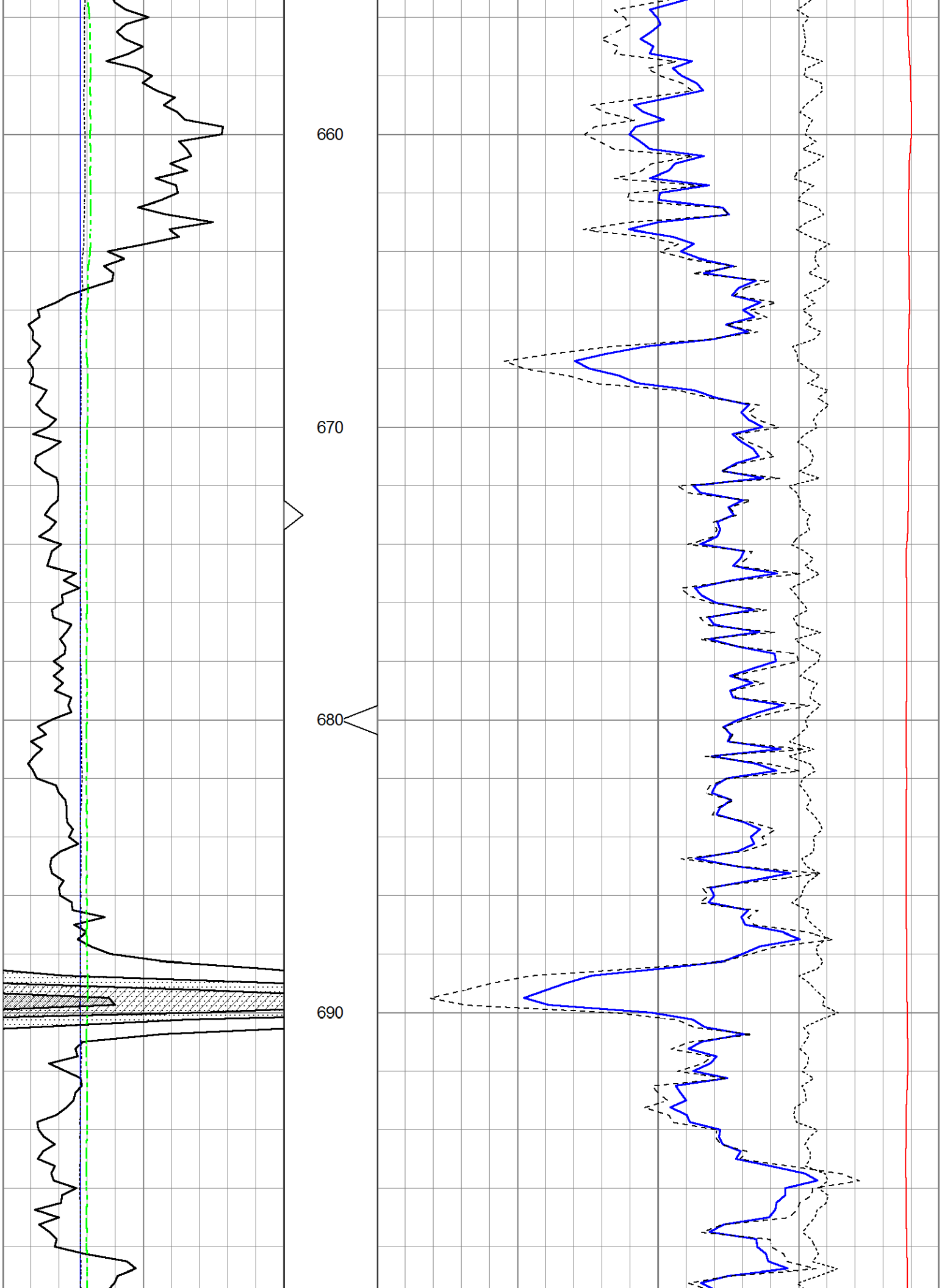

440
450
460
470

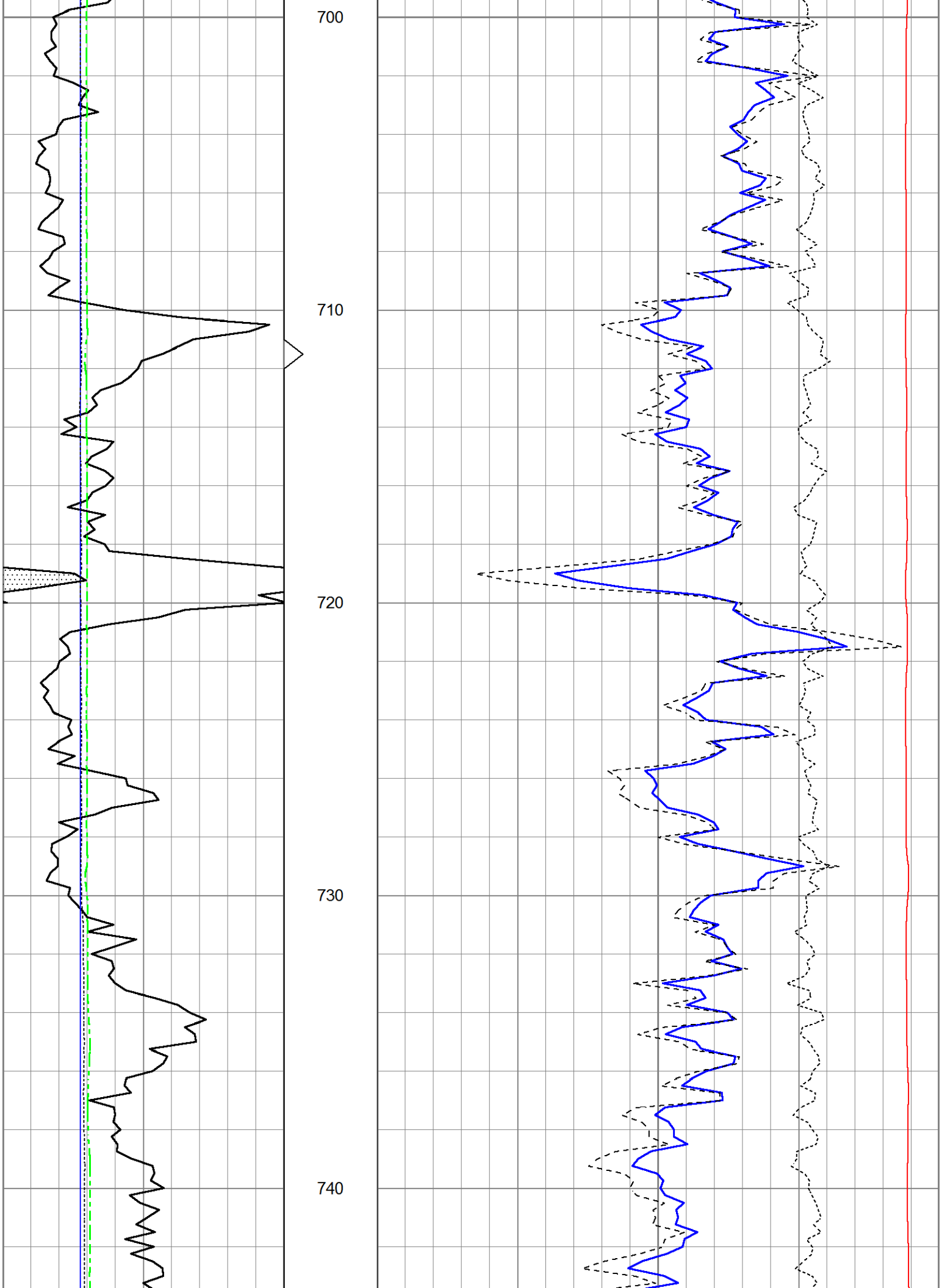

480
490
500
510
520

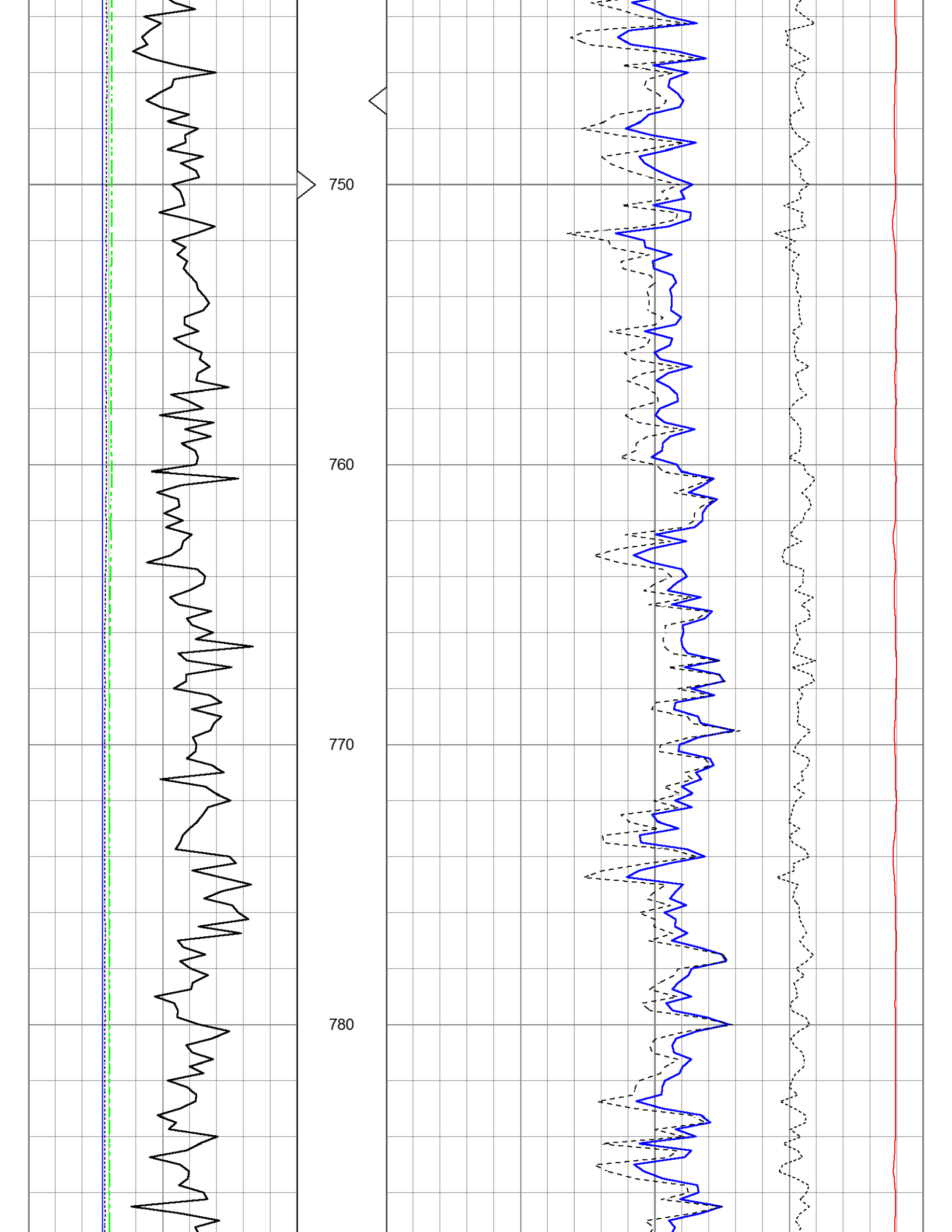

530
540
550
560

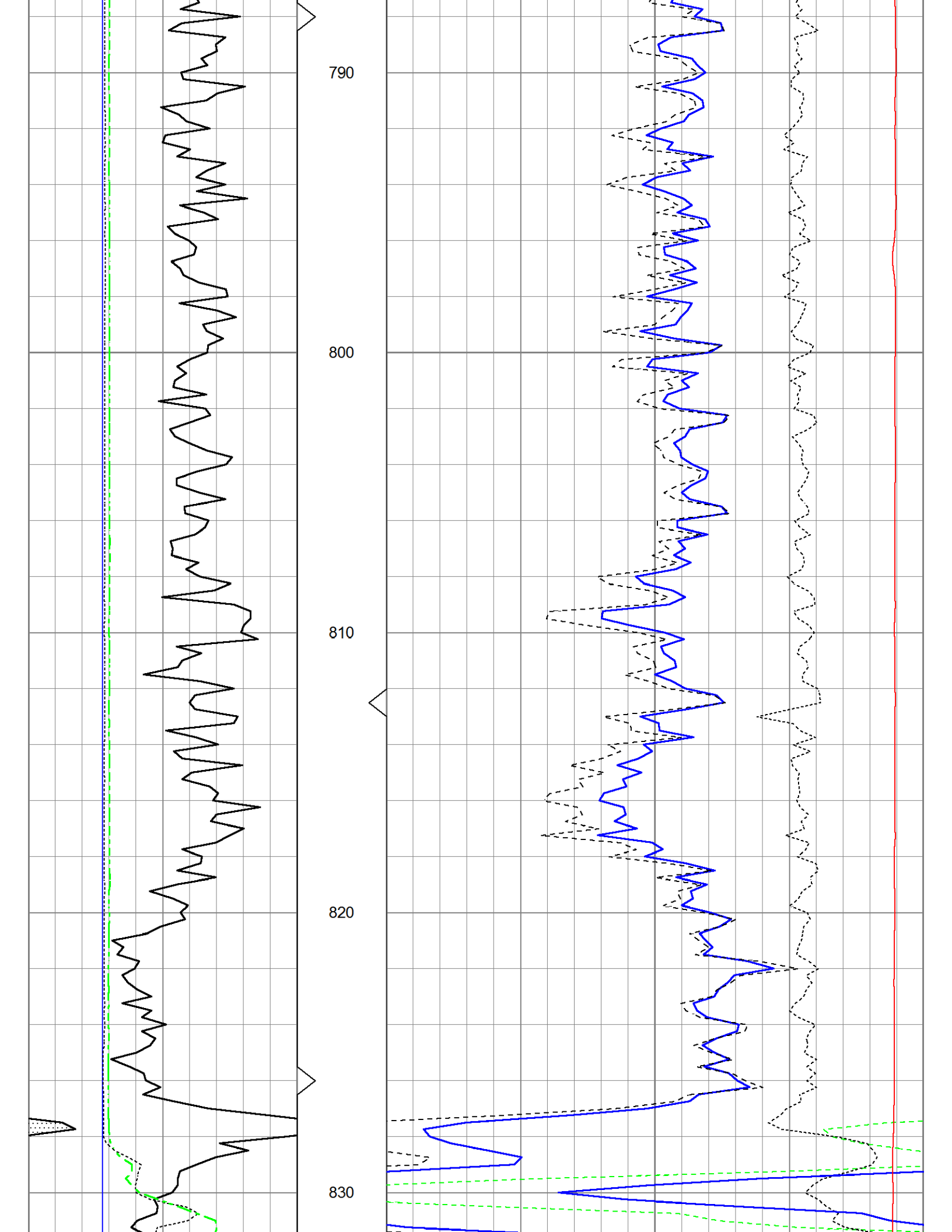

570
580
590
600
610

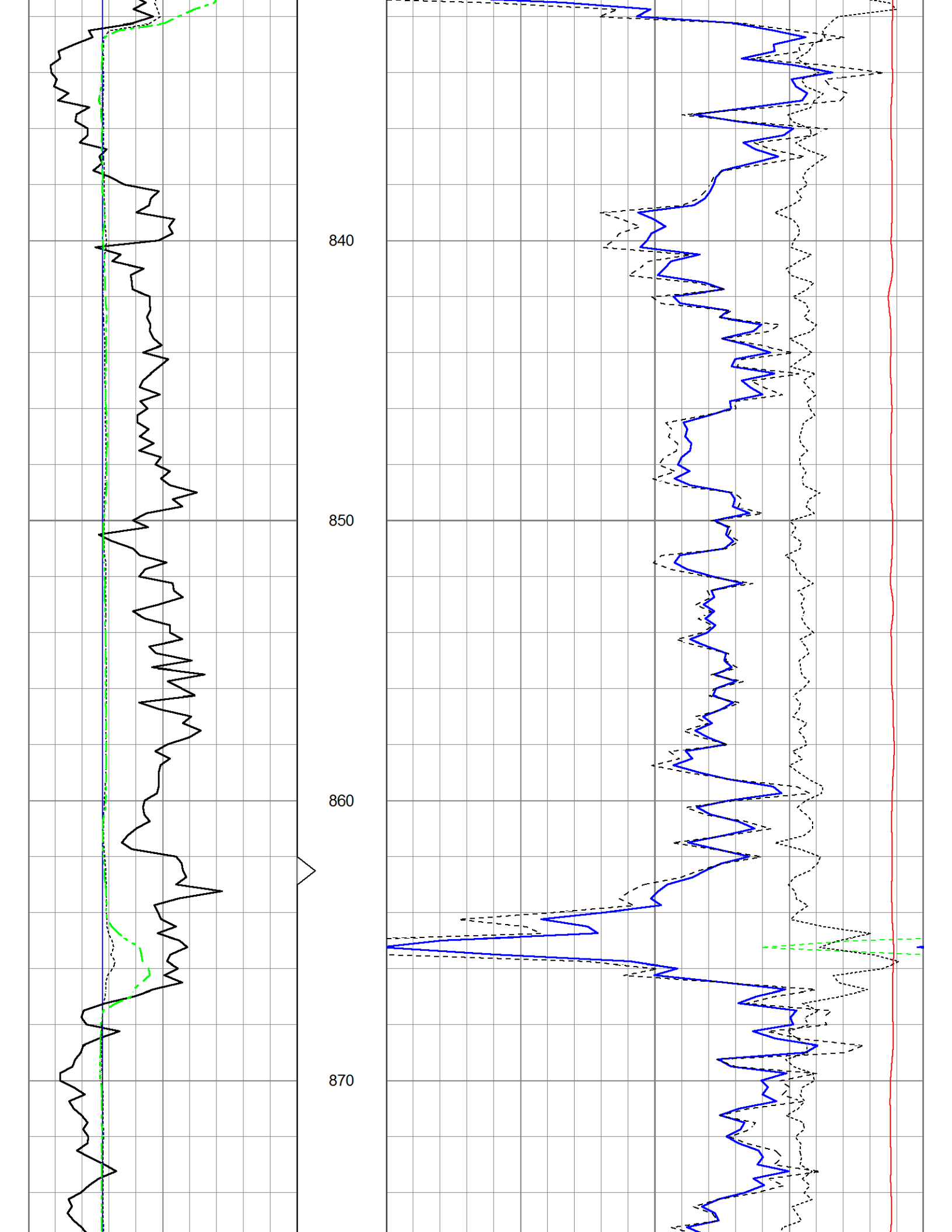

620
630
640
650

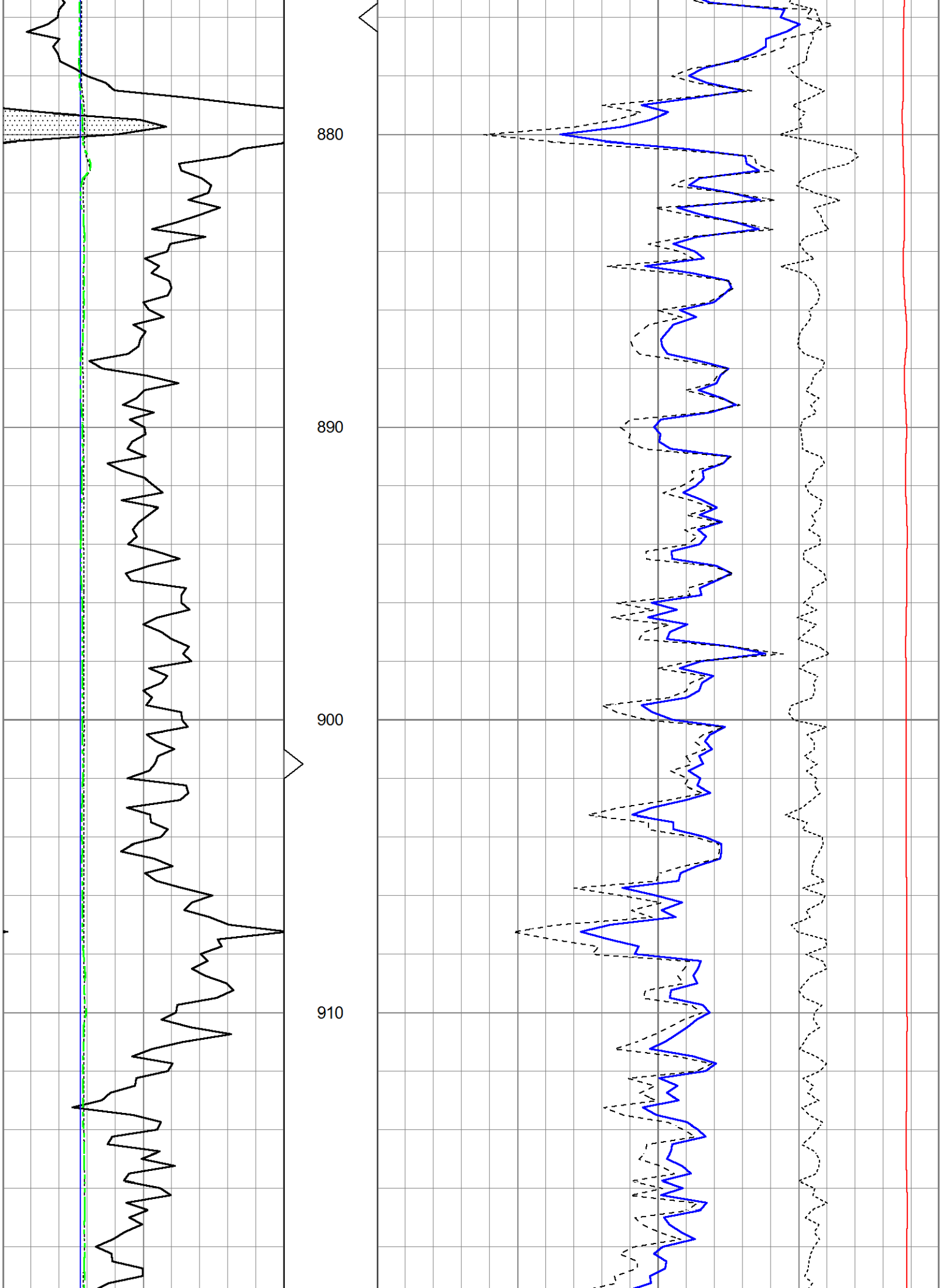

660
670
680
690

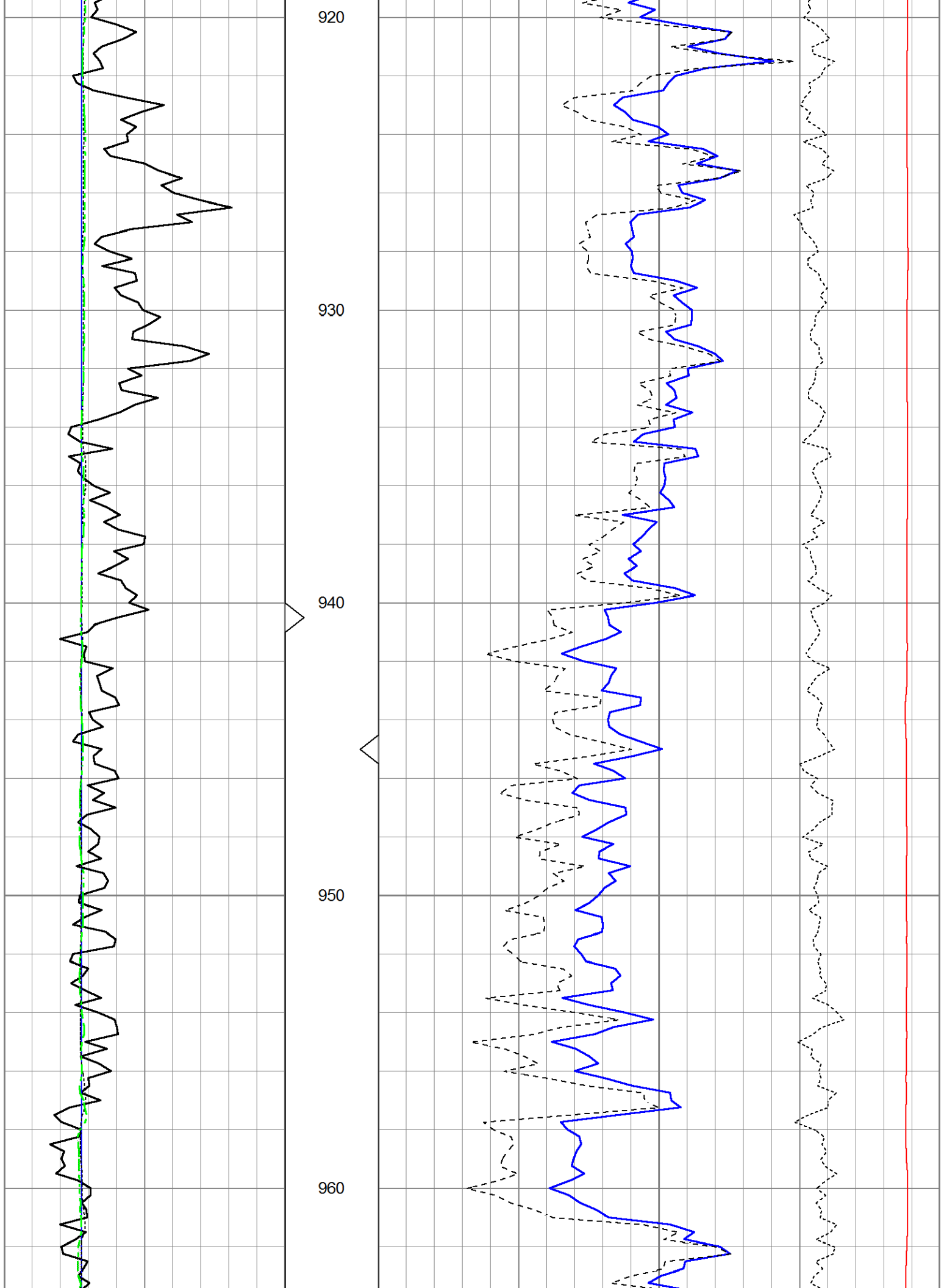

700
710
720
730
740

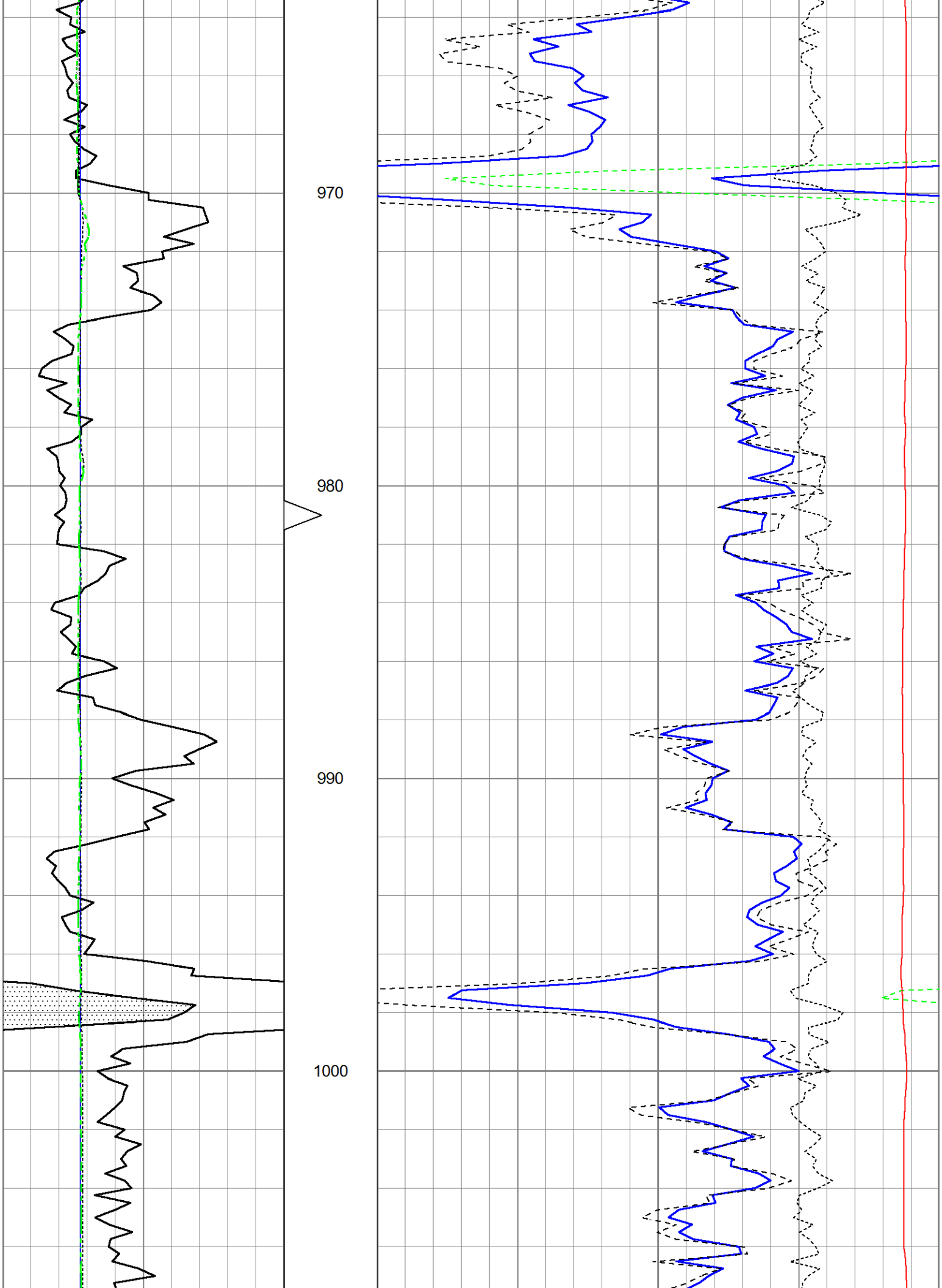

750
760
770
780

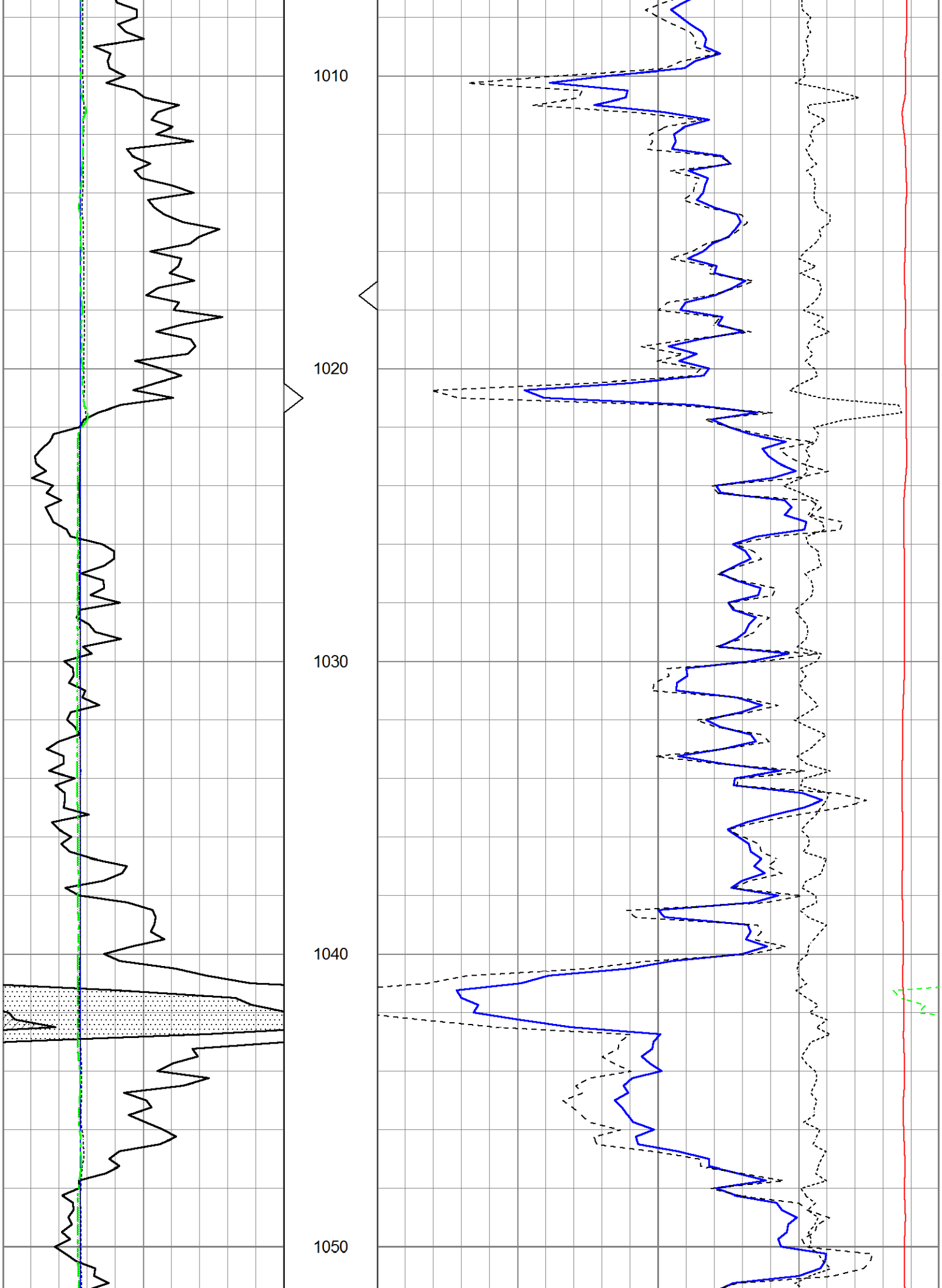

790
800
810
820
830

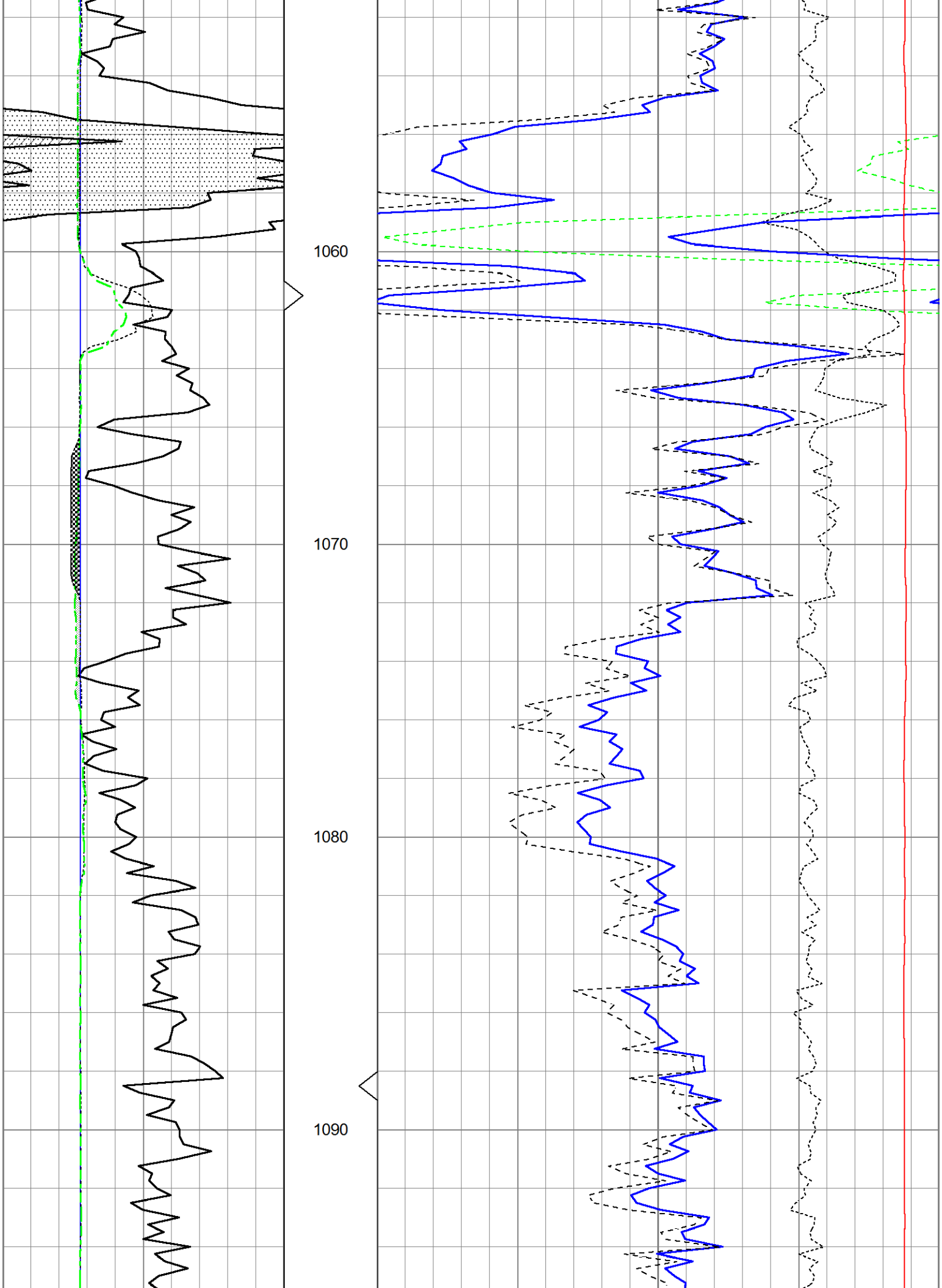

840
850
860
870

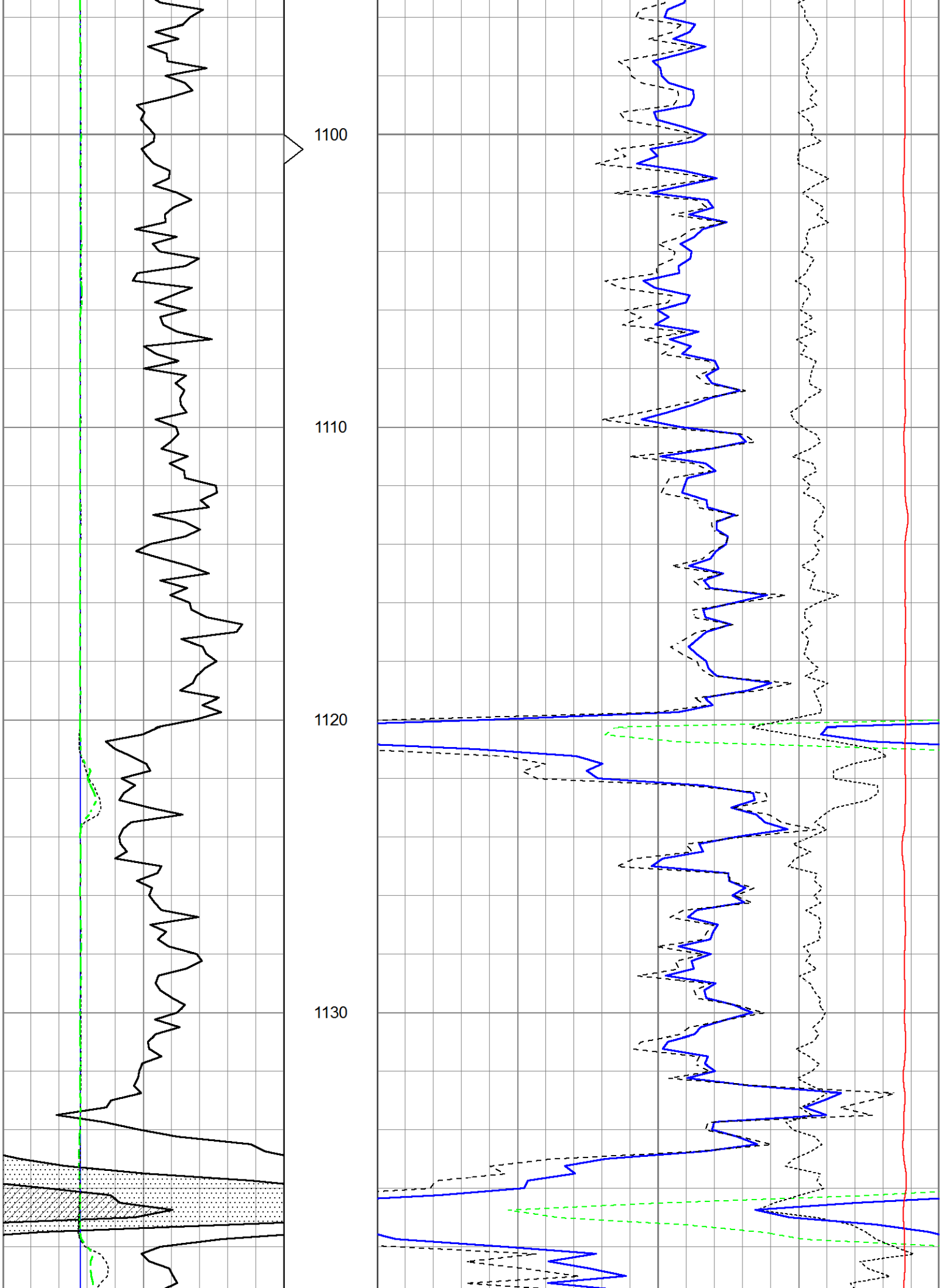

880
890
900
910

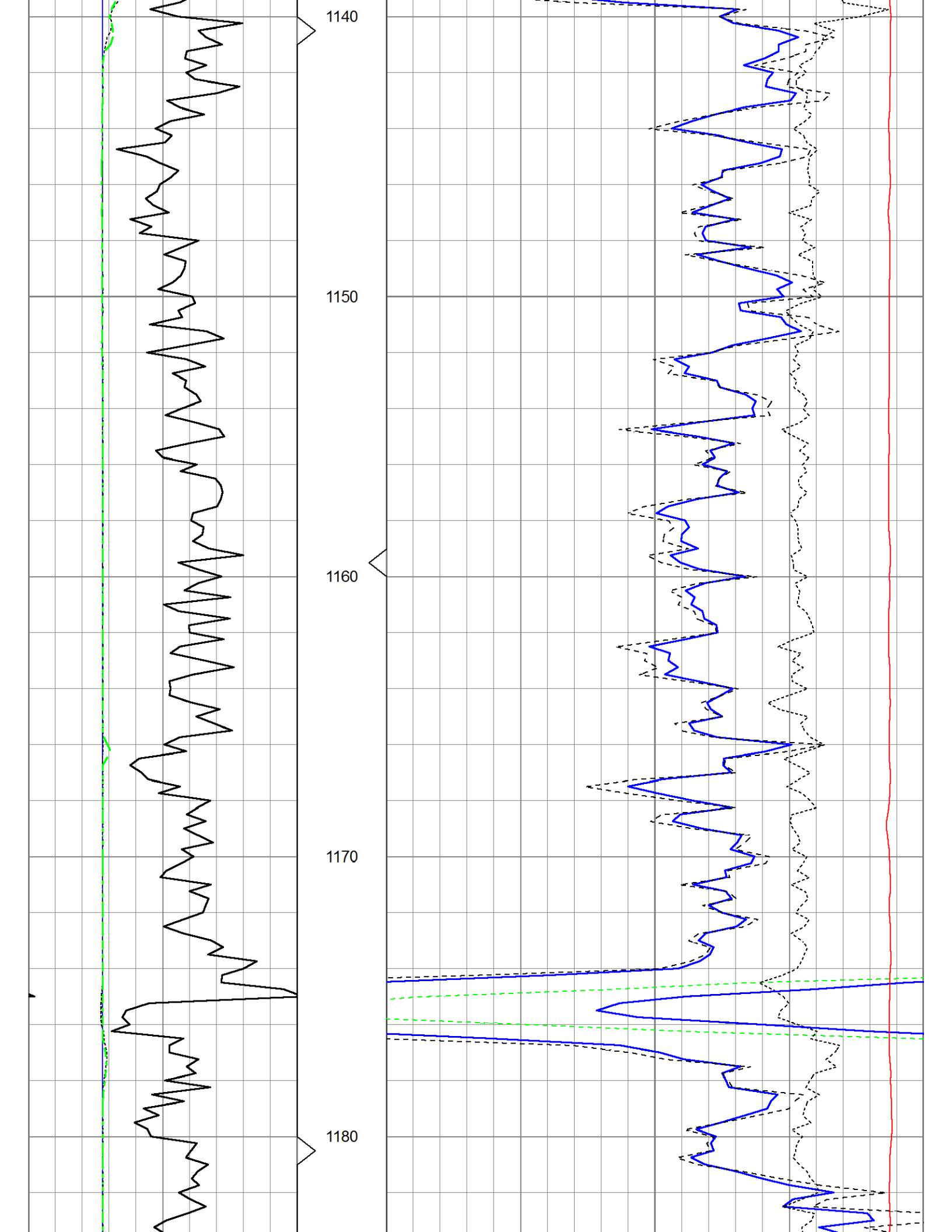

920
930
940
950
960

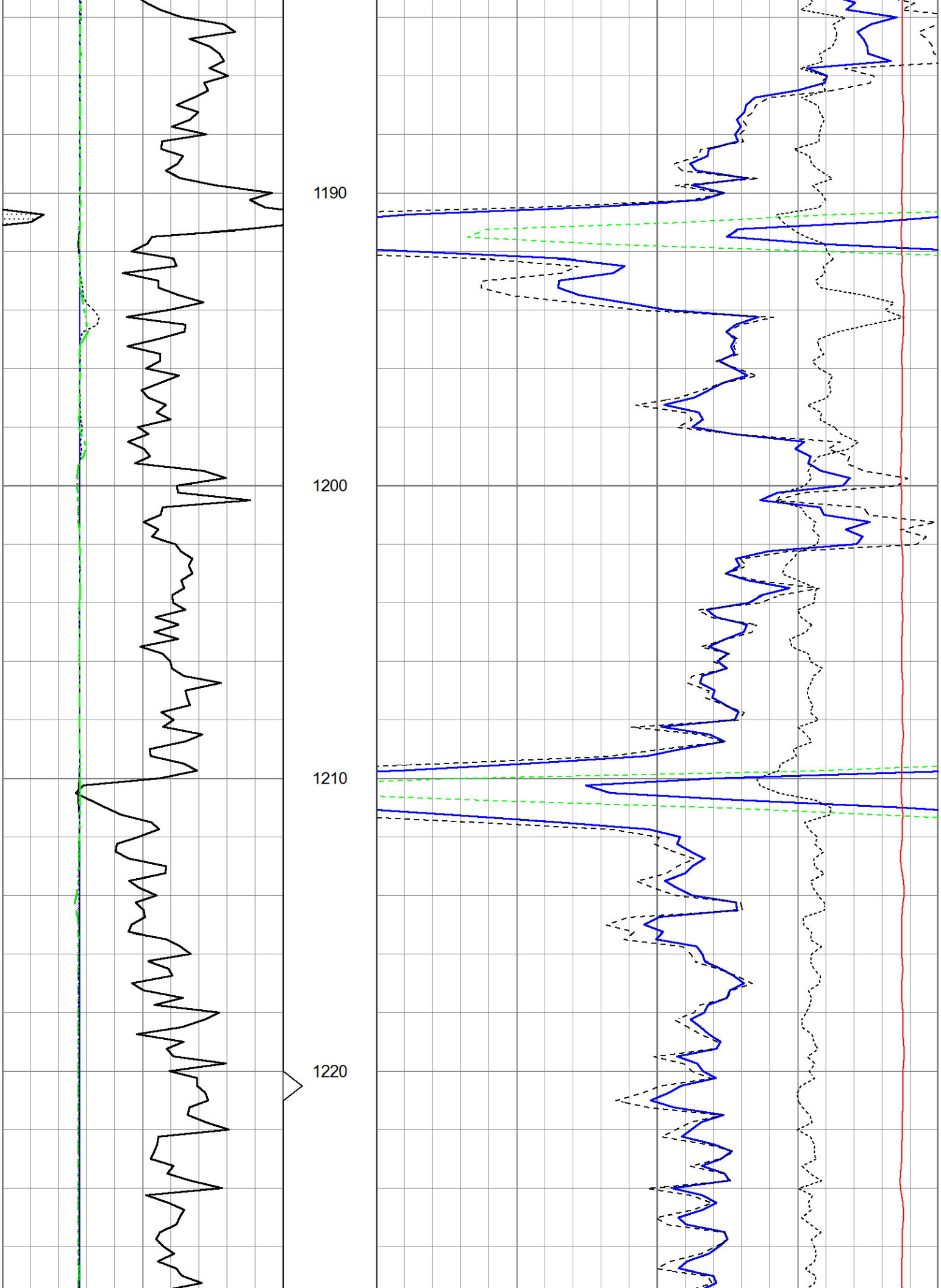

970
980
990
1000

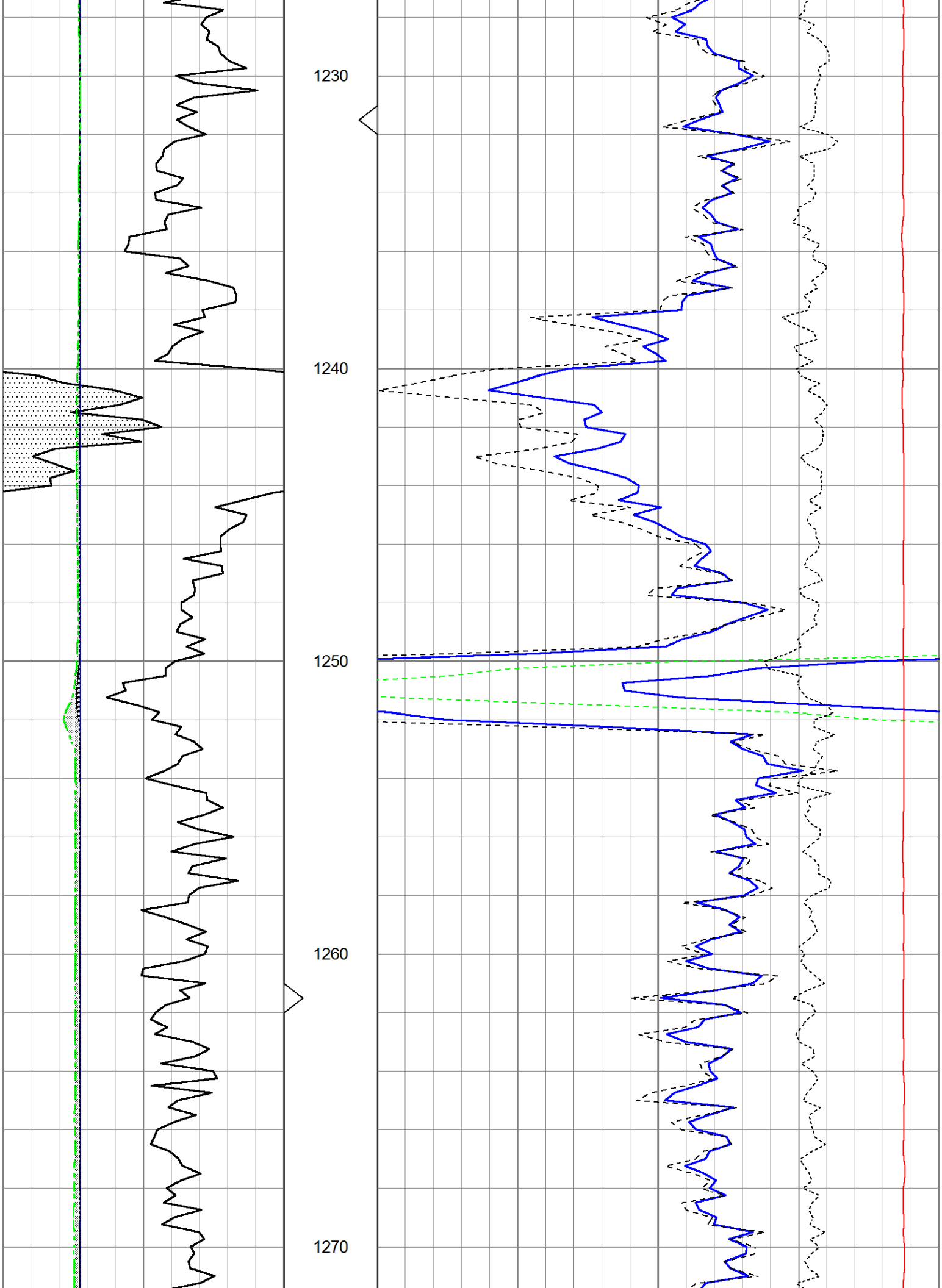

1010
1020
1030
1040
1050

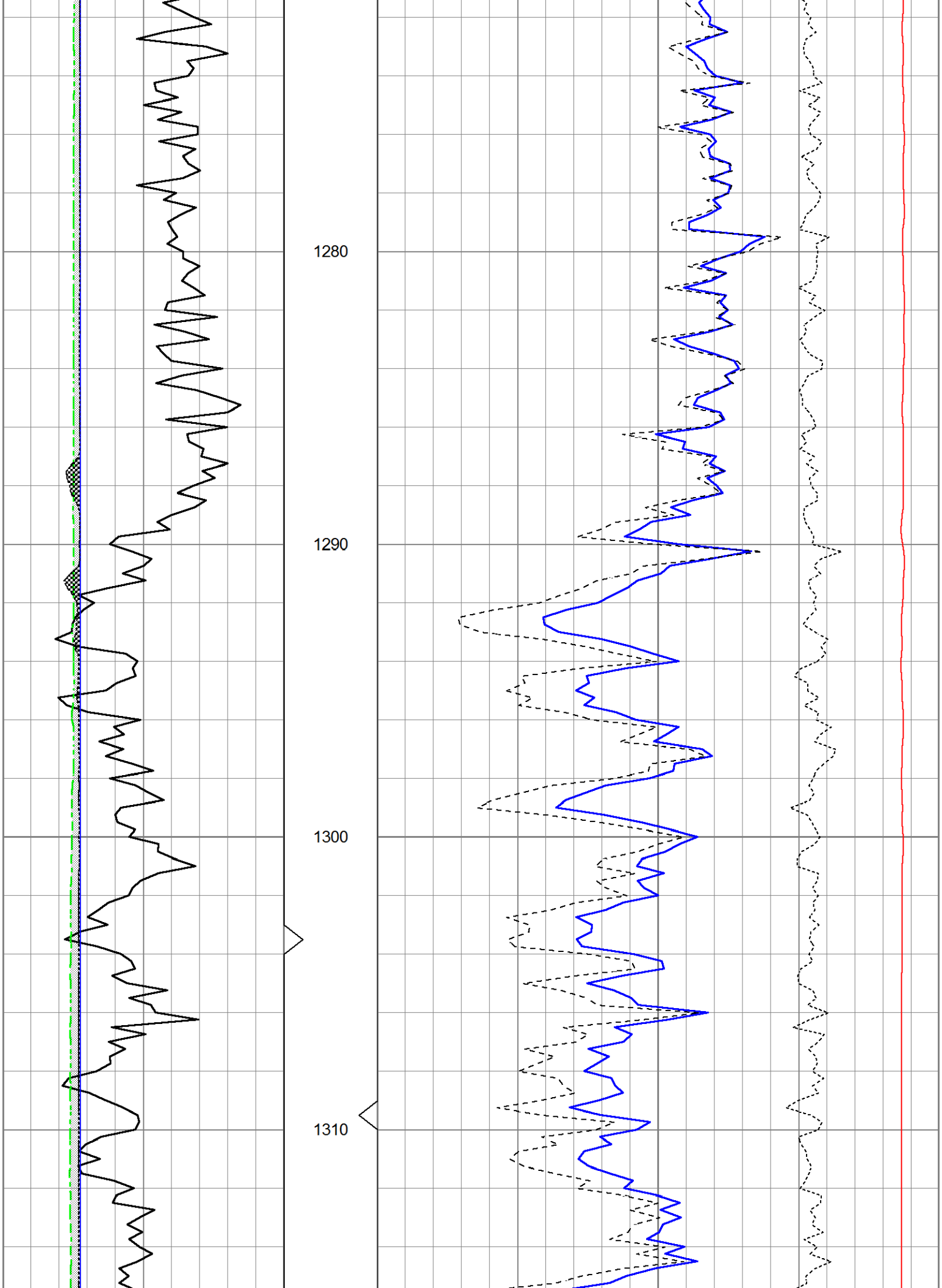

1060
1070
1080
1090

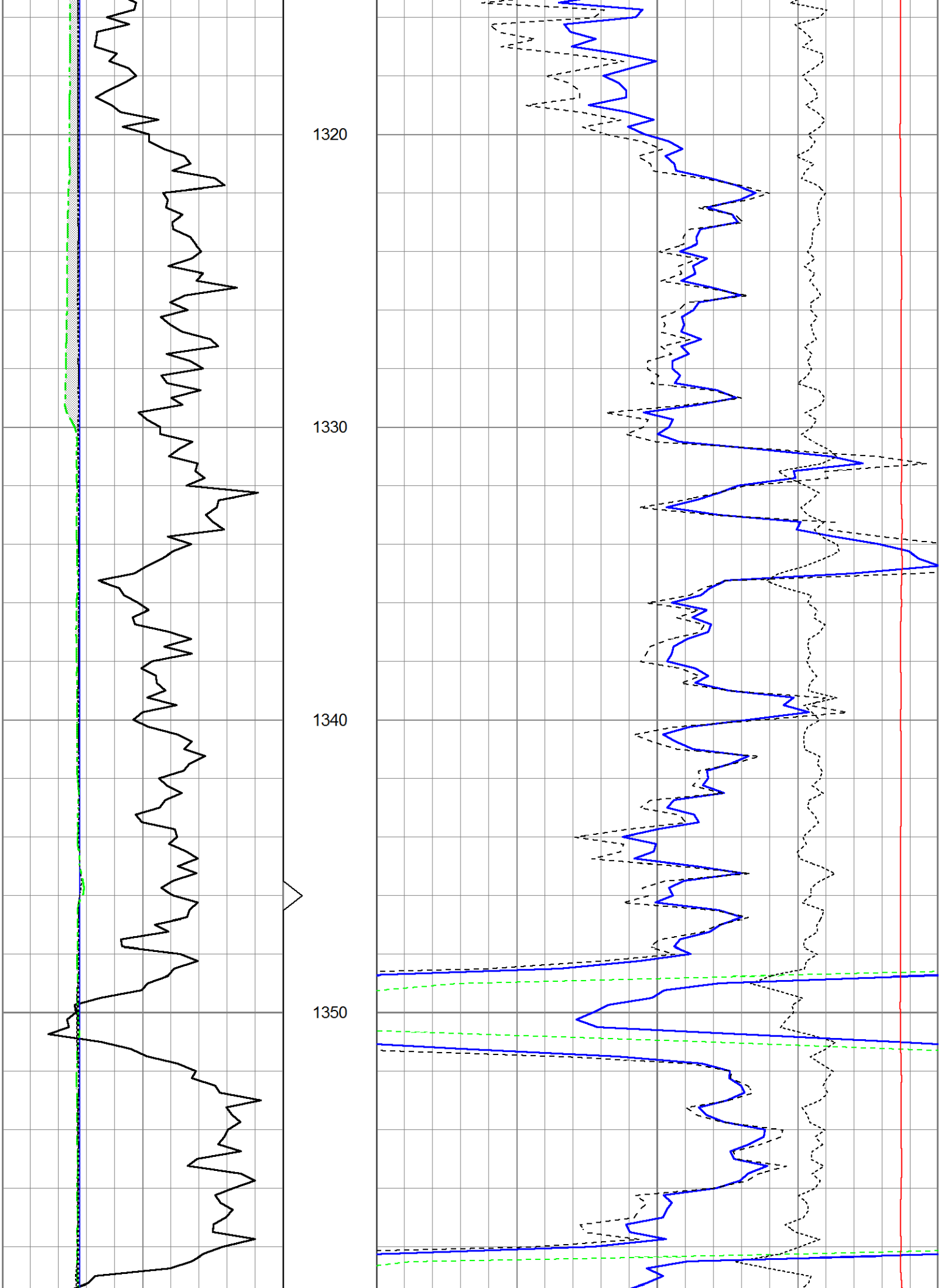

1100
1110
1120
1130

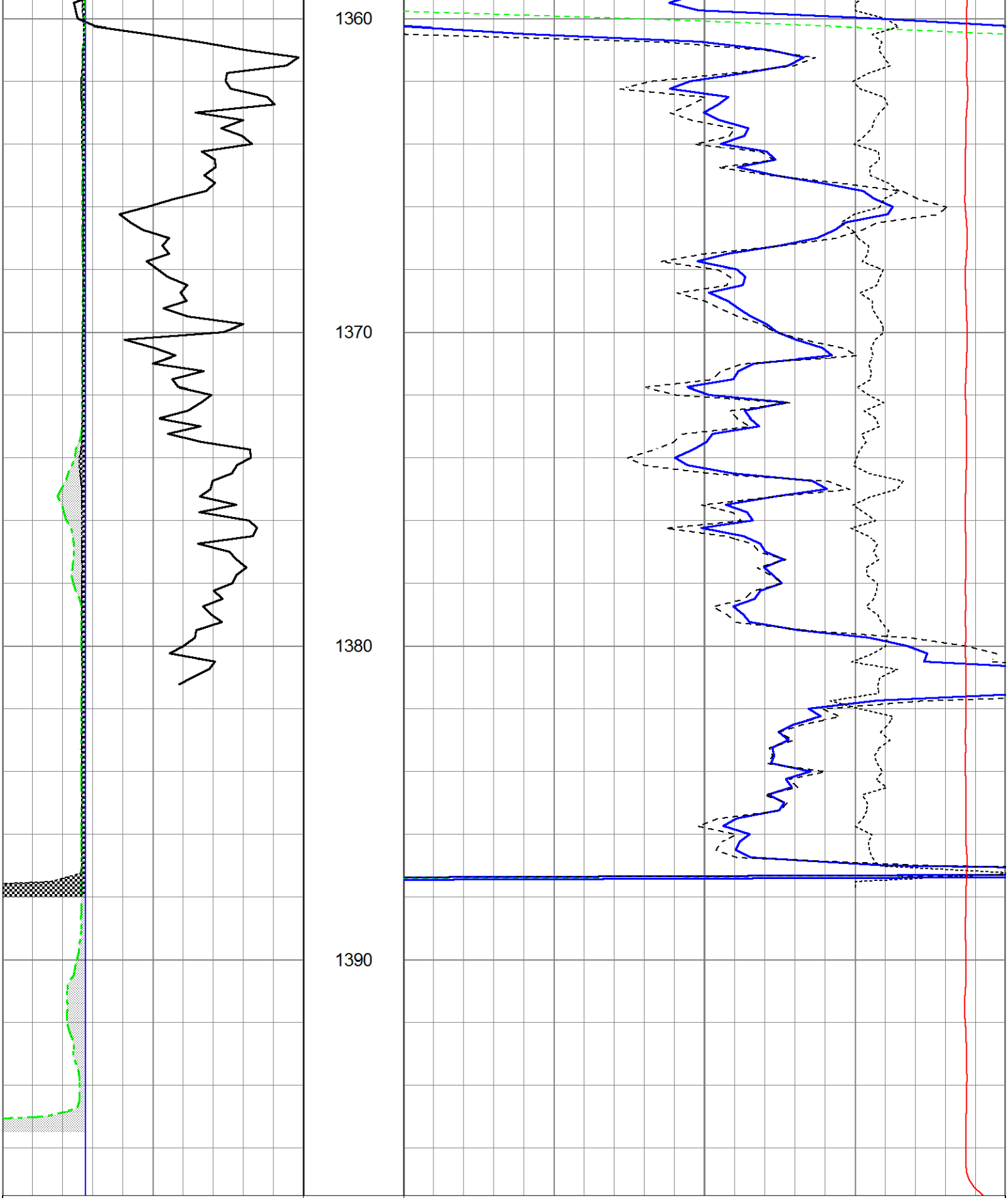

1140
1150
1160
1170
1180


1190
1200
1210
1220


1230
1240
1250
1260
1270

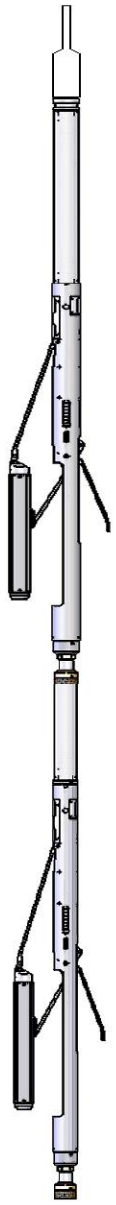

1280
1290
1300
1310


1320
1330
1340
1350



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					
SCAL	2.54		Neutron-Sidewall3015 (3015) Sidewall Neutron Section	7.81	4.00	150.00
SWN	2.15					
NEU	2.15					

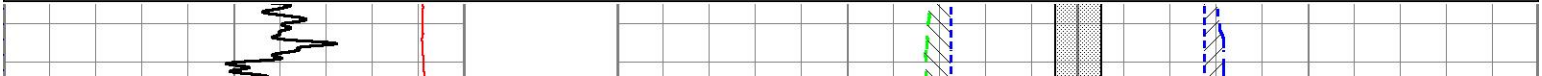
Dataset:	ow2-8840 colt energy.db: field/well/CDL/pass1
Total length:	18.15 ft
Total weight:	495.00 lb
O.D.:	4.00 in

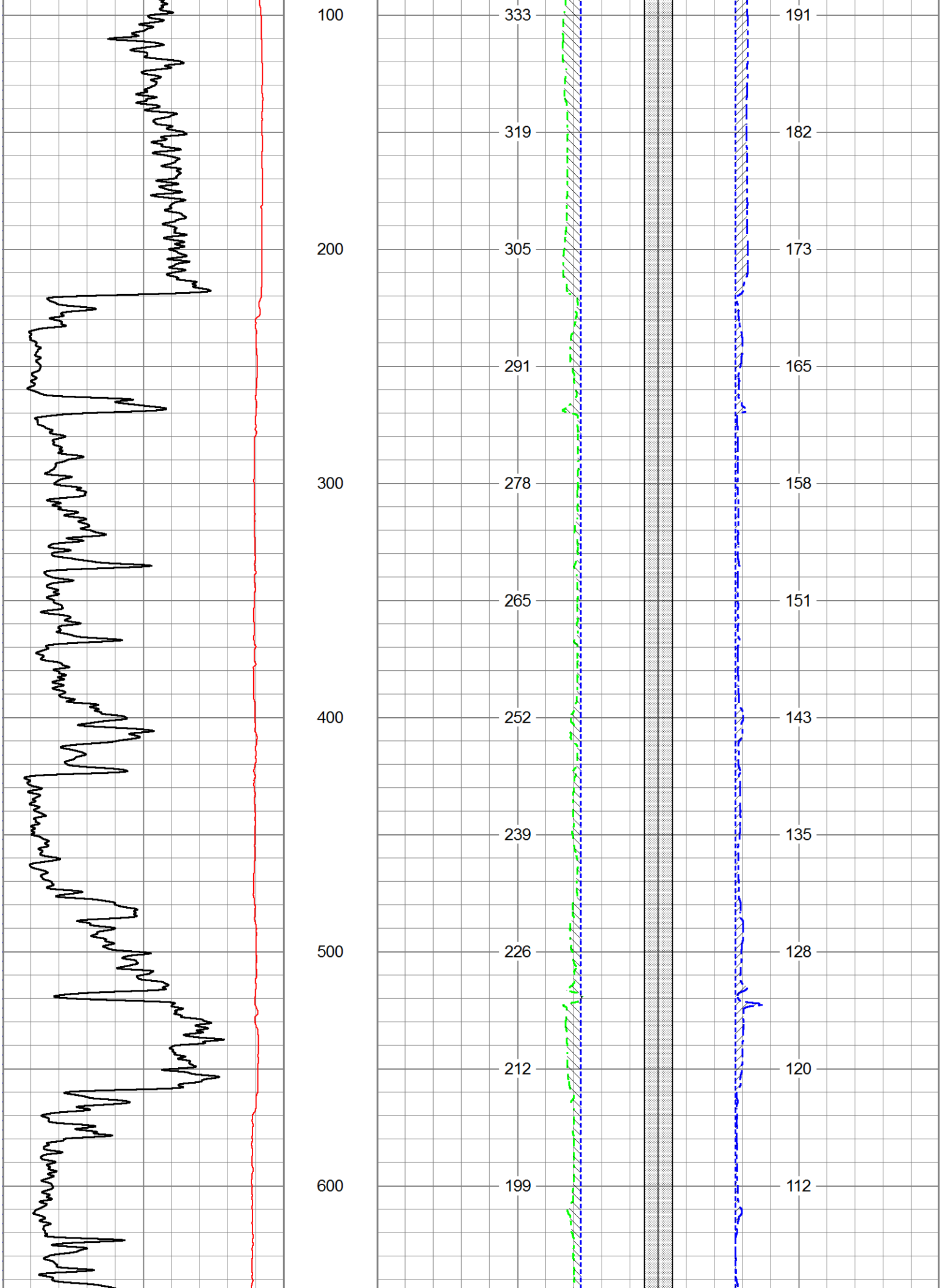
2" BOREHOLE VOLUME

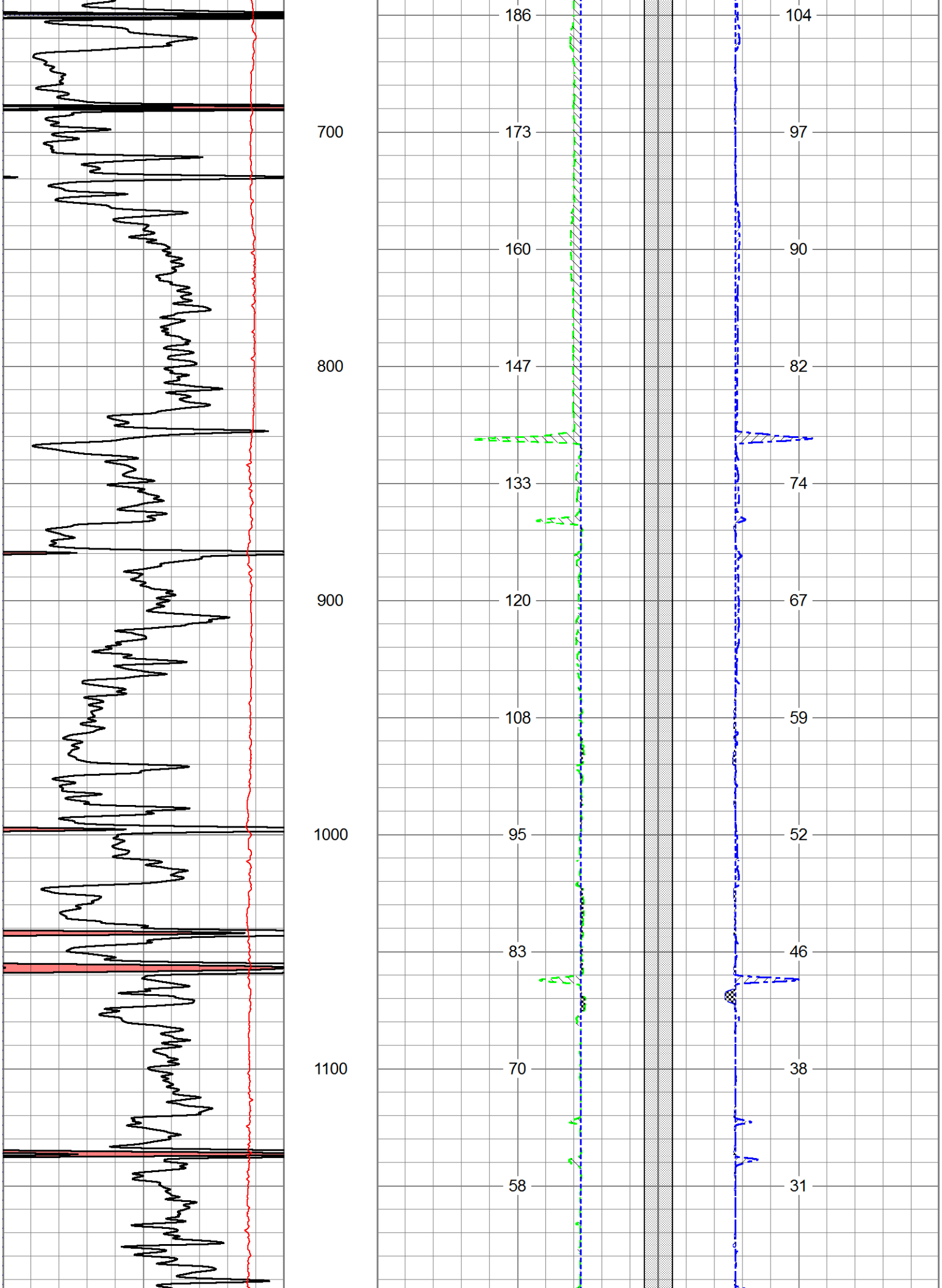
Database File	ow2-8840 colt energy.db
Dataset Pathname	CDL/pass1.2
Presentation Format	coltbhv
Dataset Creation	Tue Jun 23 14:30:27 2015
Charted by	Depth in Feet scaled 1:600

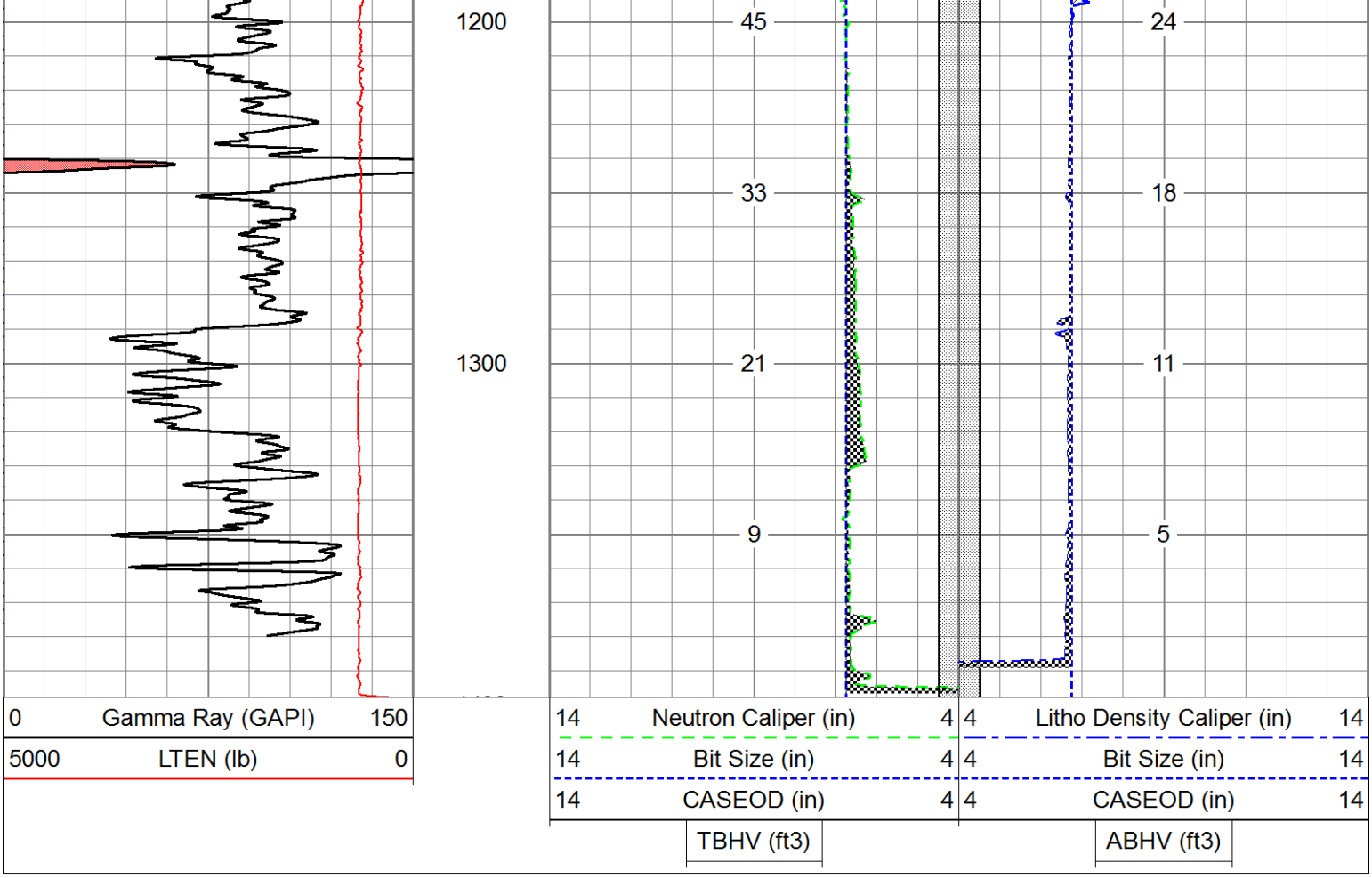
0	Gamma Ray (GAPI)	150
5000	LTEN (lb)	0

14	Neutron Caliper (in)	4	4	Litho Density Caliper (in)	14
14	Bit Size (in)	4	4	Bit Size (in)	14
14	CASEOD (in)	4	4	CASEOD (in)	14
	TBHV (ft3)			ABHV (ft3)	




100
200
300
400
500
600
333
319
305
291
278
265
252
239
226
212
199
191
182
173
165
158
151
143
135
128
120
112


700
800
900
1000
1100
186
173
160
147
133
120
108
95
83
70
58
104
97
90
82
74
67
59
52
46
38
31


1200
1300
45
33
21
9
24
18
11
5
0 Gamma Ray (GAPI) 150
5000 LTEN (lb) 0
14 Neutron Caliper (in) 4
14 Bit Size (in) 4
14 CASEOD (in) 4
TBHV (ft3)
4 Litho Density Caliper (in) 14
4 Bit Size (in) 14
4 CASEOD (in) 14
ABHV (ft3)

DUAL INDUCTION
LL3/GR LOG

Company COLT ENERGY INC.
Well SCHAFER # CS-7
Field BIG SANDY
County WOODSON
State KANSAS

Company COLT ENERGY INC.
Well SCHAFER # CS-7
Field BIG SANDY
County WOODSON **State** KANSAS

Location: API # : 15-207-29244-0000
SW SE SE NE
2475' FNL & 539' FEL
SEC 22 TWP 26S RGE 14E

Other Services
CDL/SWN

Elevation
K.B. ---
D.F. ---
G.L. 939'

Permanent Datum	GL	Elevation	939'
Log Measured From	GL		
Drilling Measured From	GL		

Date	6-23-2015		
Run Number	ONE		
Depth Driller	1398'		
Depth Logger	1397'		
Bottom Logged Interval	1395'		
Top Log Interval	SURFACE		
Casing Driller	8.625" @ 40.50'		
Casing Logger	8.625" @ 40.50'		
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

OW2-8840

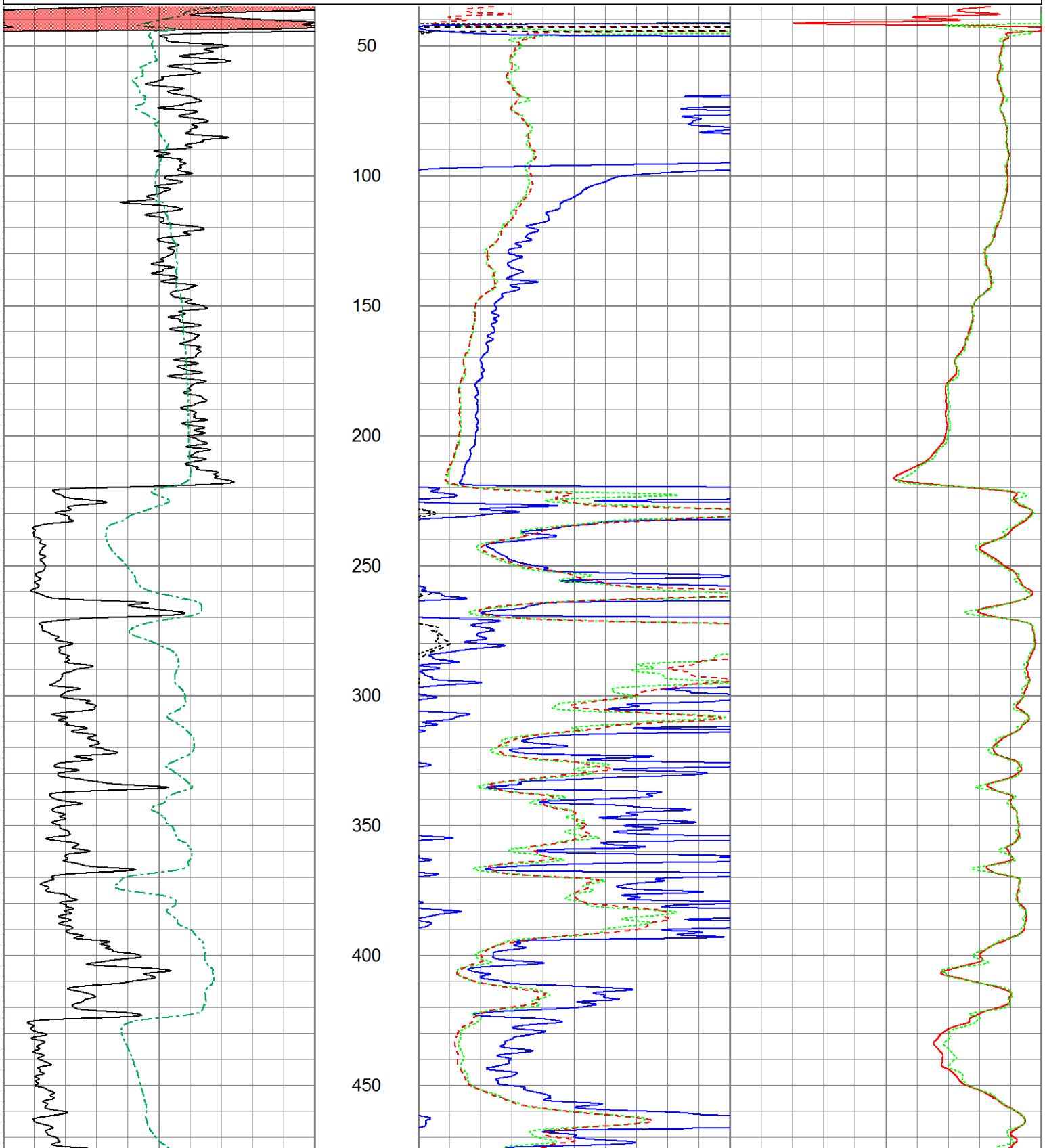
CREW : SHAMBLES

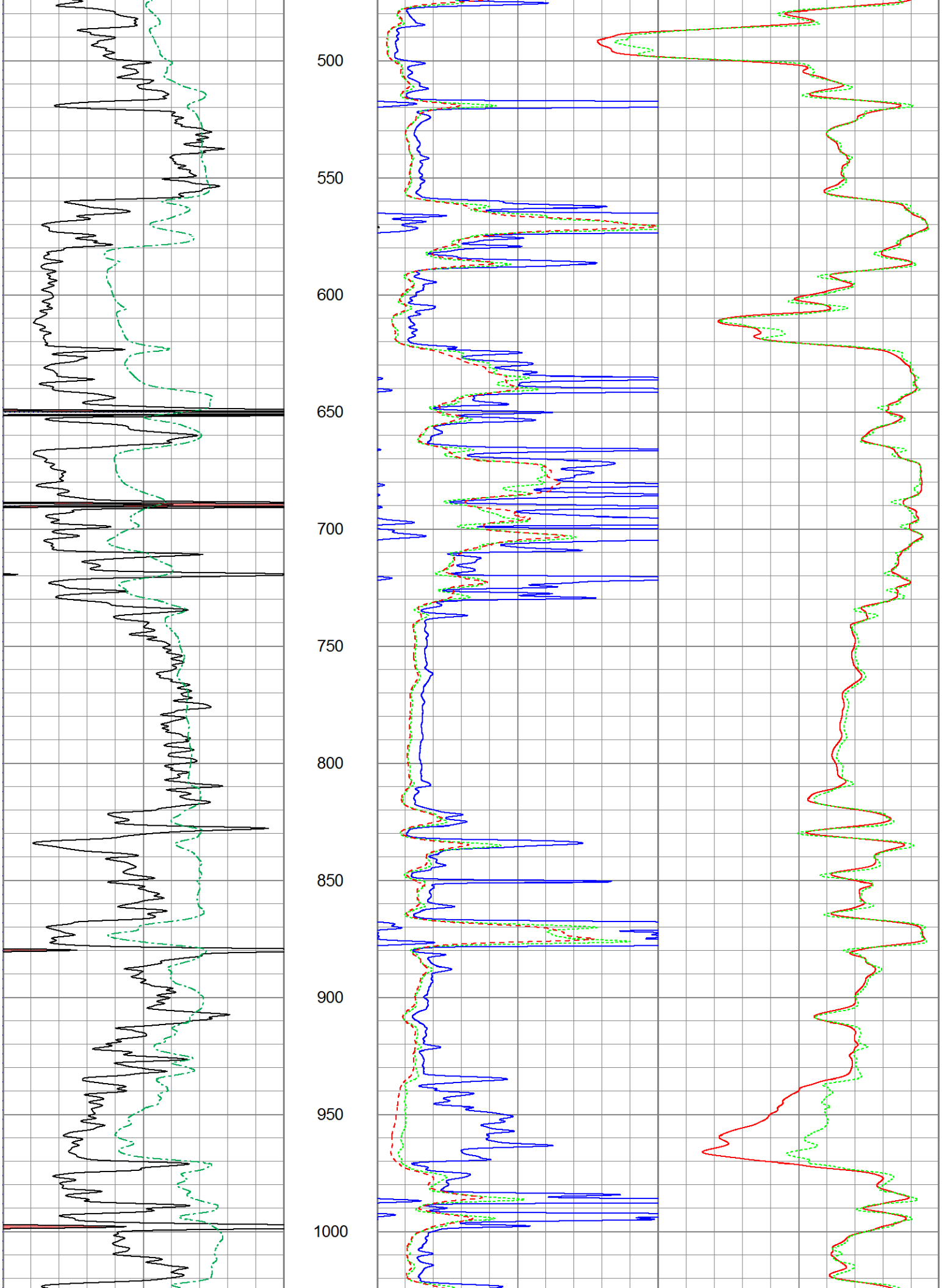
2" DIL SECTION

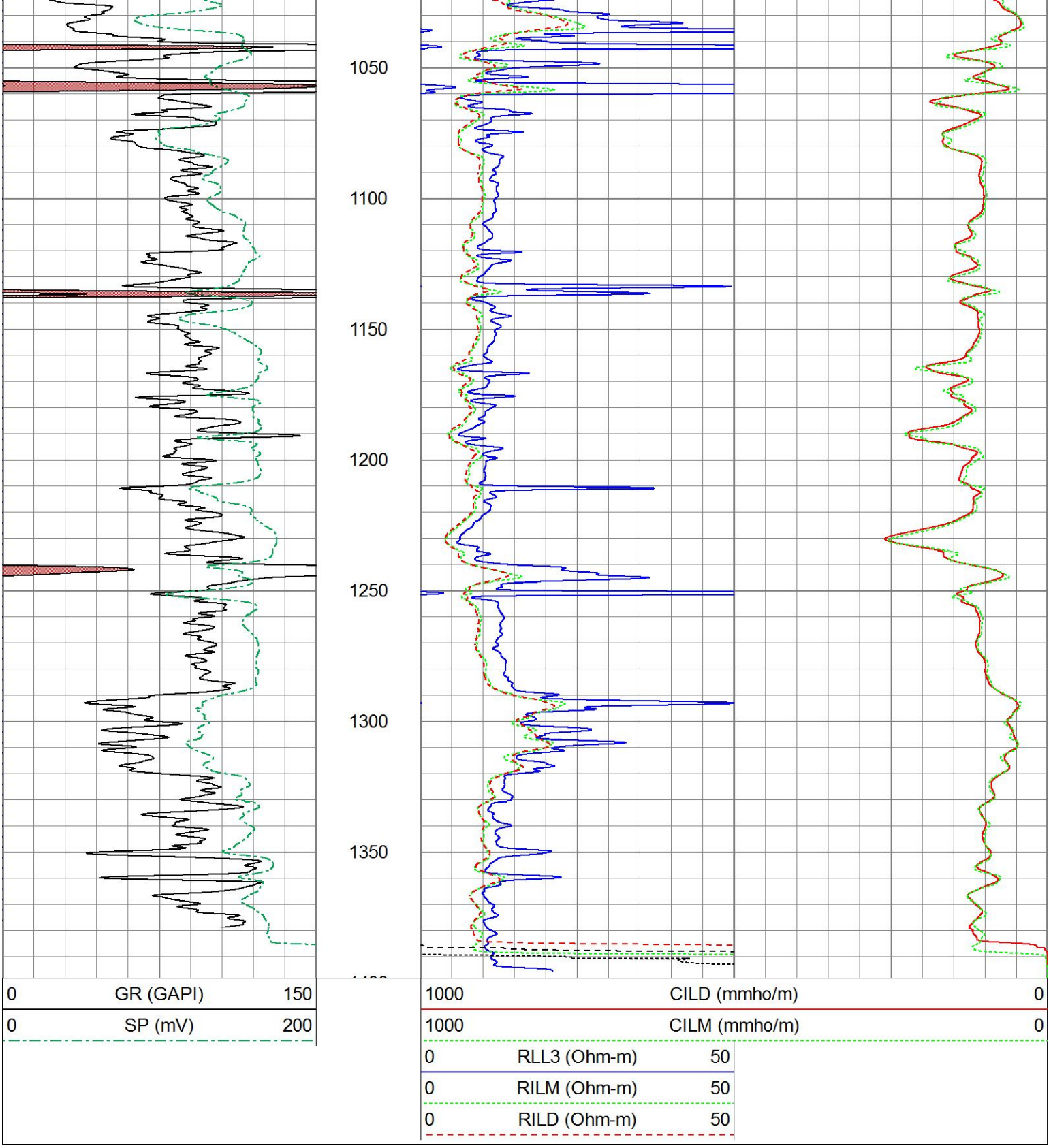
Database File	ow2-8840 colt energy.db
Dataset Pathname	DIL/merge2
Presentation Format	dil2mdcol
Dataset Creation	Tue Jun 23 15:03:51 2015
Charted by	Depth in Feet scaled 1:600

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

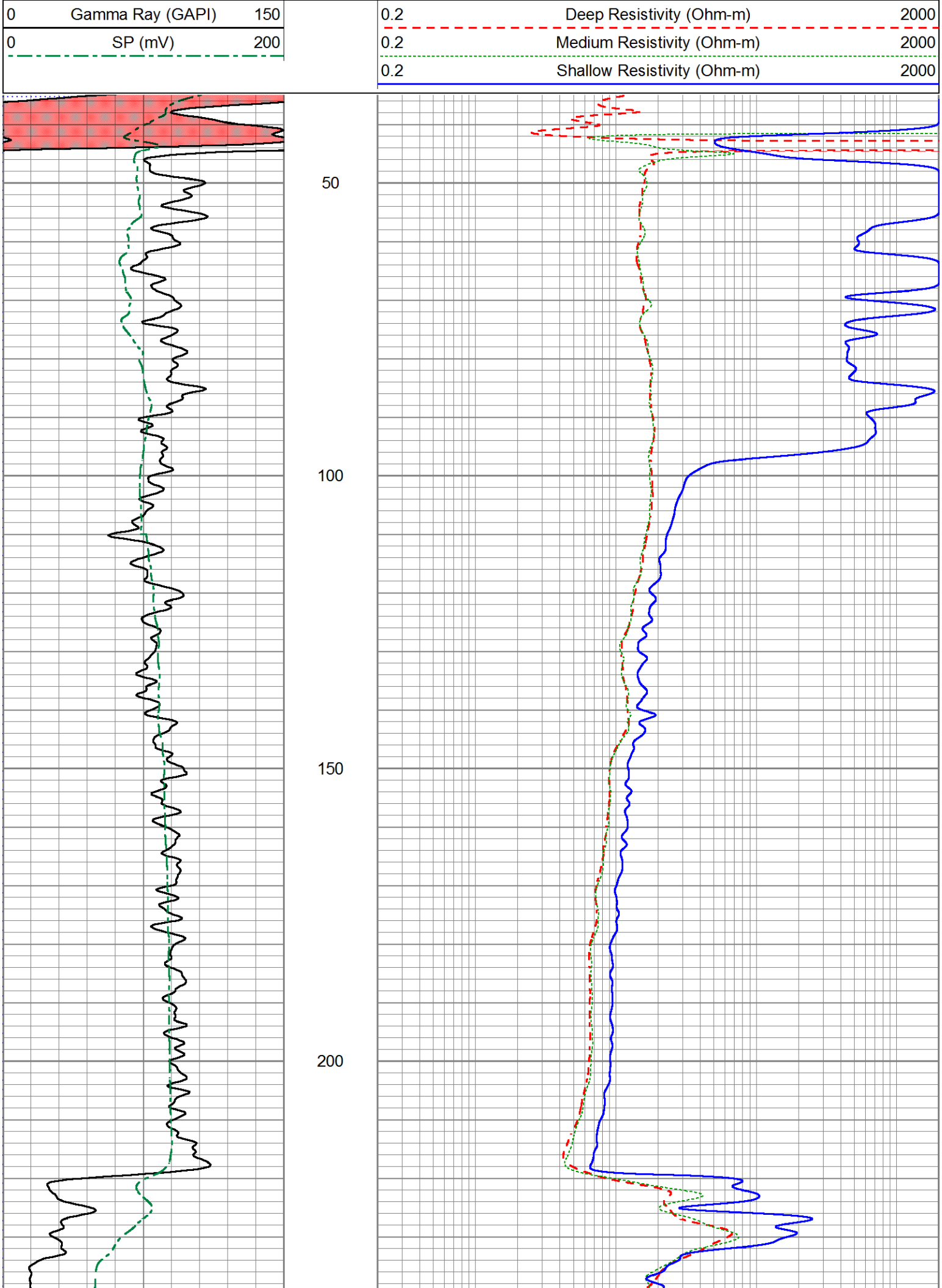


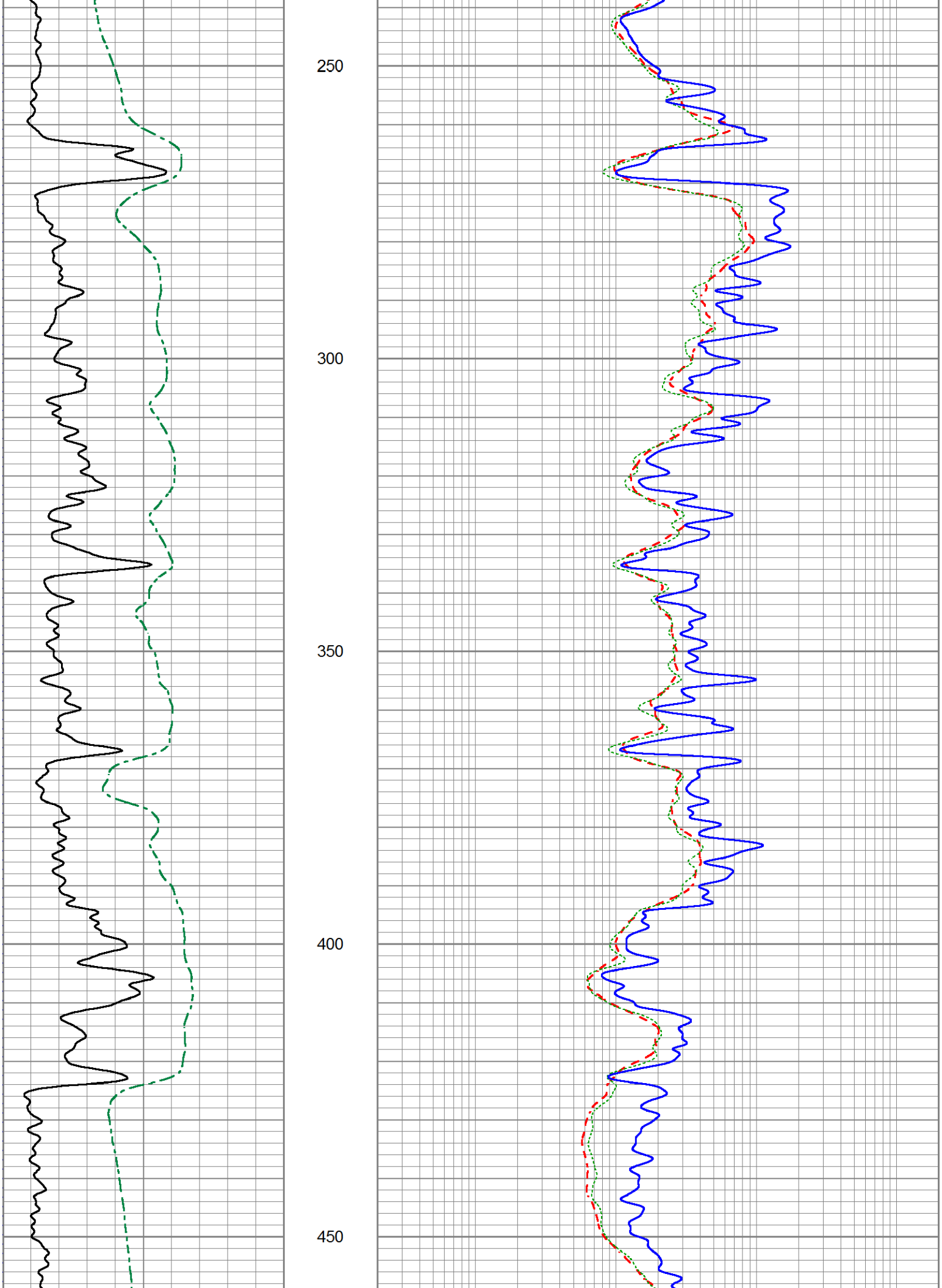

500
550
600
650
700
750
800
850
900
950
1000

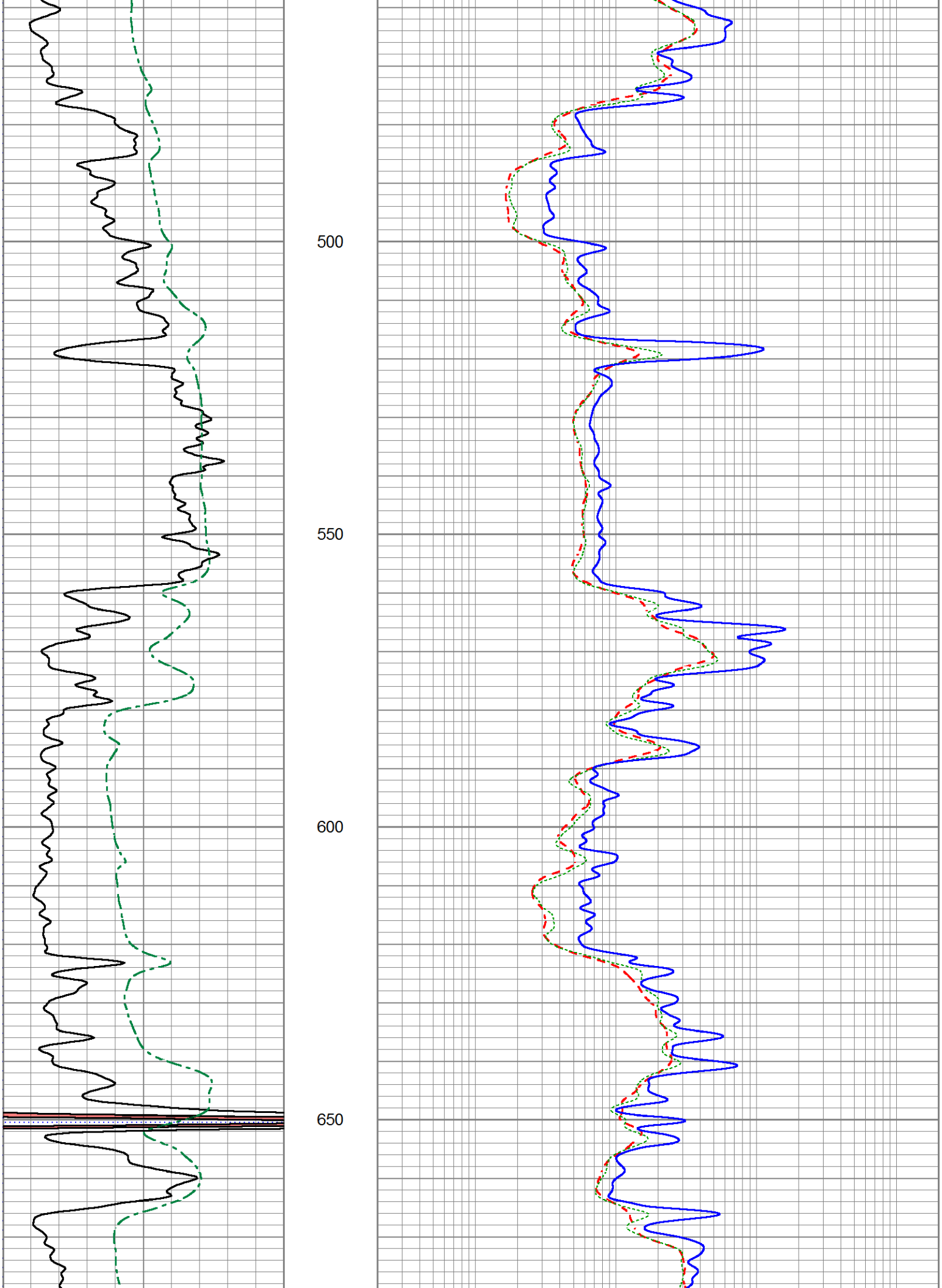


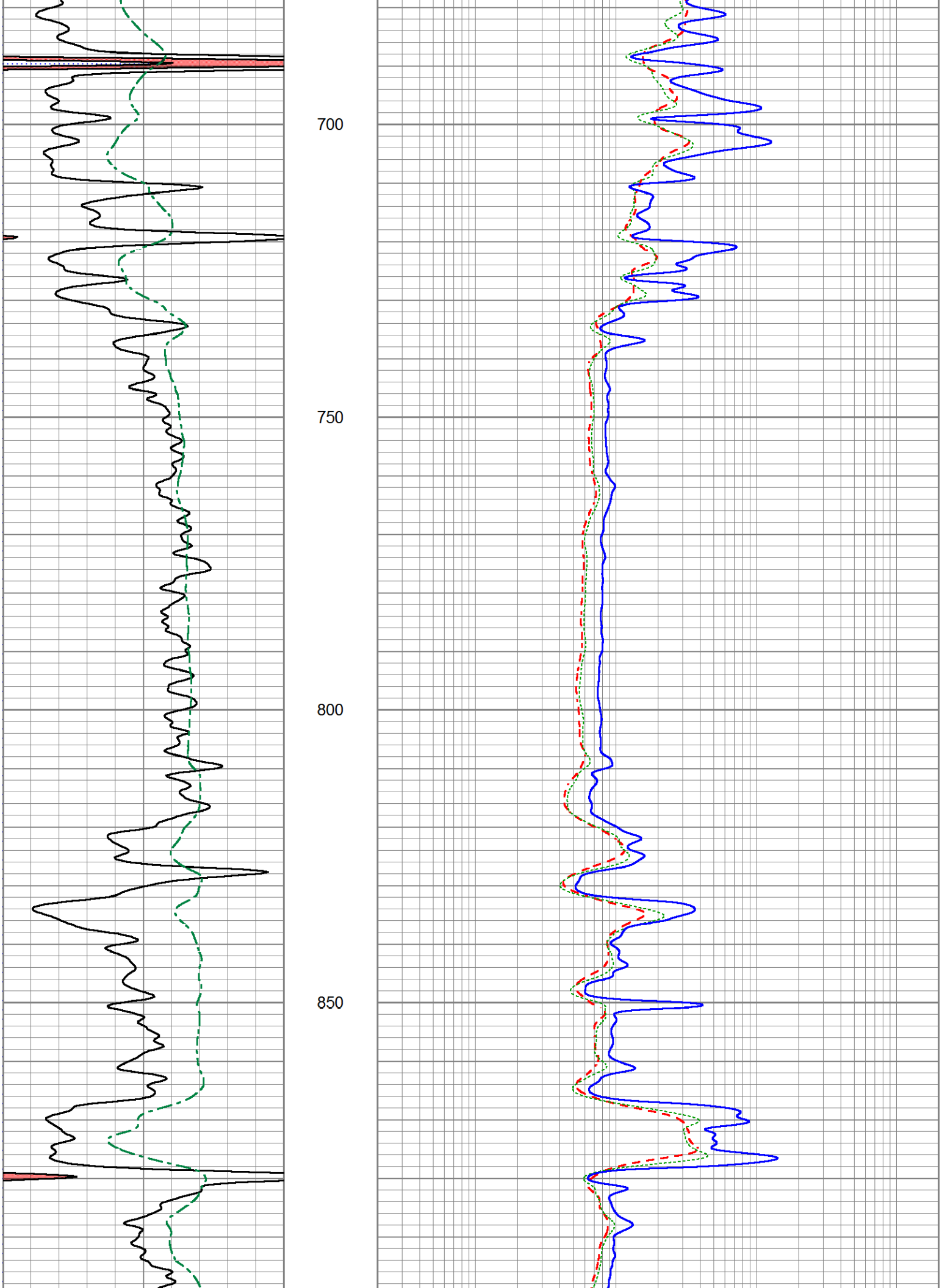
5" DIL SECTION

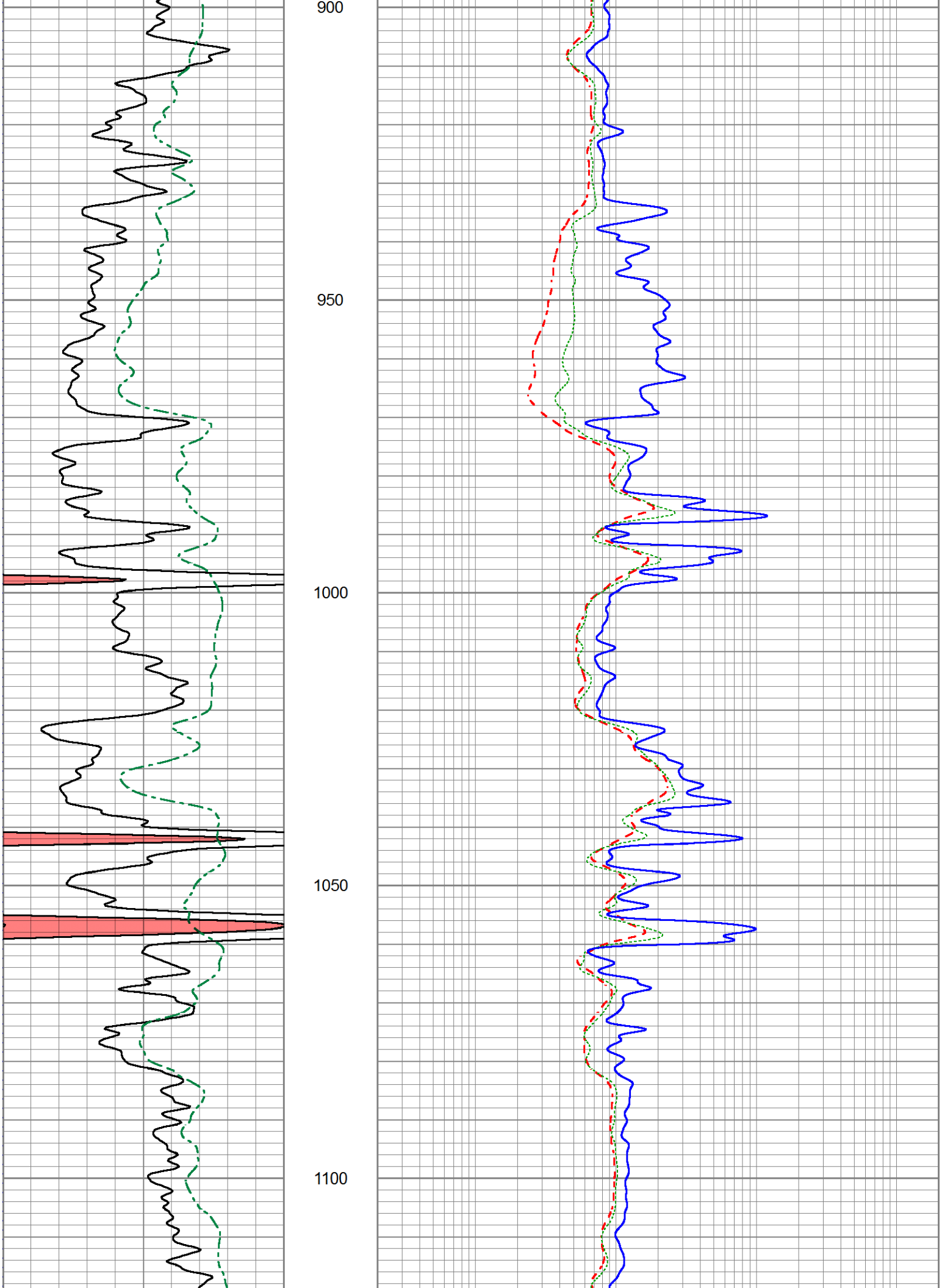
Database File	ow2-8840 colt energy.db
Dataset Pathname	DIL/merge1
Presentation Format	dil5mdcol
Dataset Creation	Tue Jun 23 15:03:45 2015
Charted by	Depth in Feet scaled 1:240

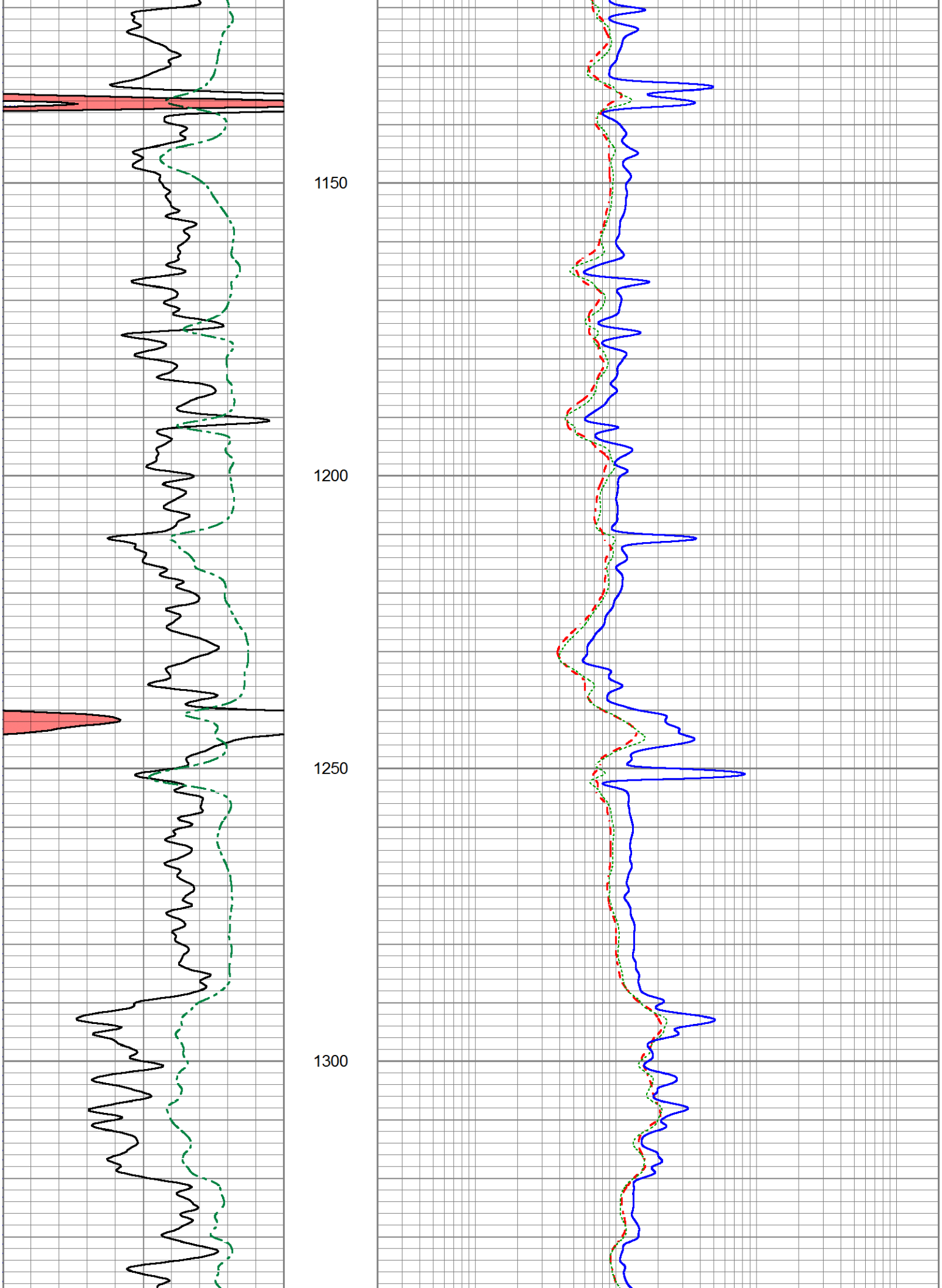

0 Gamma Ray (GAPI) 150
0 SP (mV) 200
0.2 Deep Resistivity (Ohm-m) 2000
0.2 Medium Resistivity (Ohm-m) 2000
0.2 Shallow Resistivity (Ohm-m) 2000
50
100
150
200

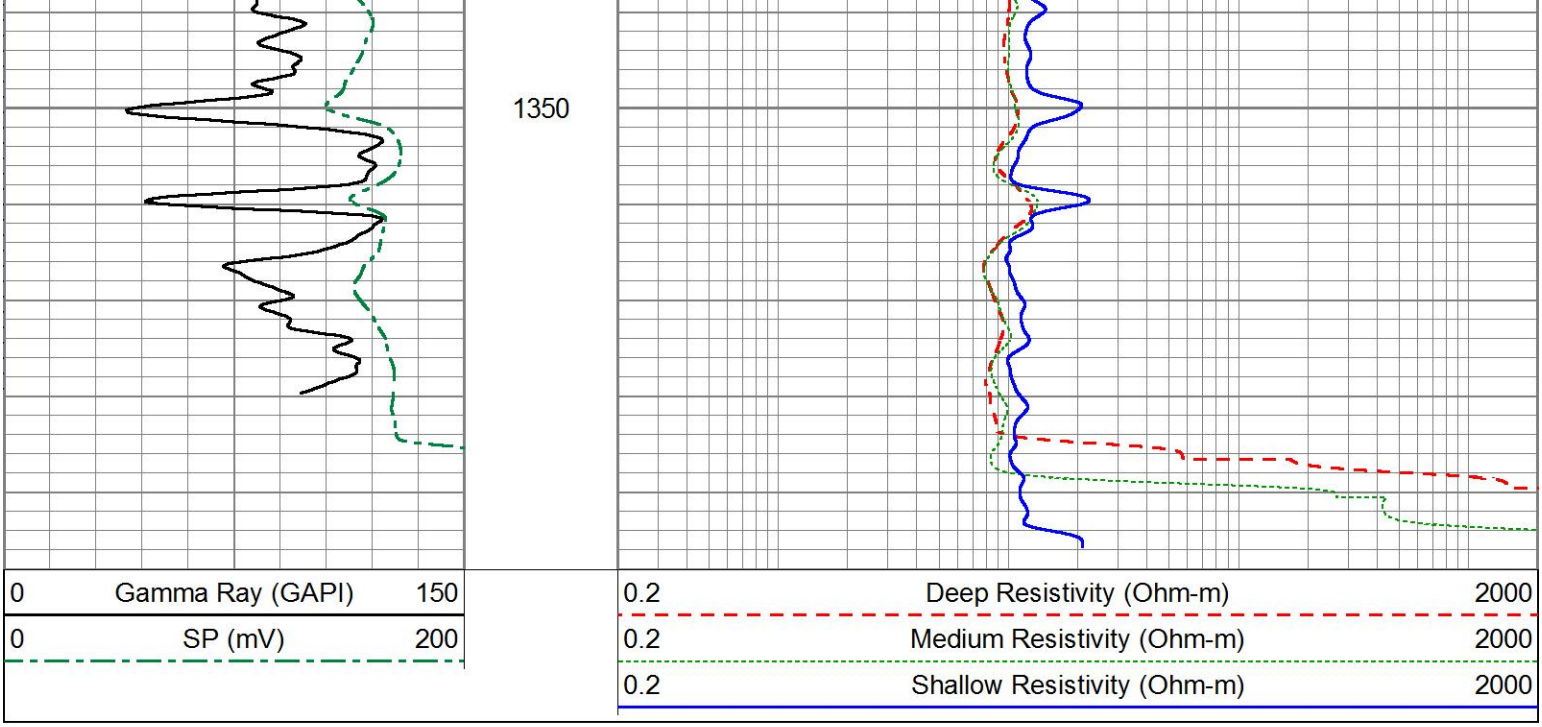

250
300
350
400
450


500
550
600
650


700
750
800
850


900
950
1000
1050
1100


1150
1200
1250
1300



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: ow2-8840 colt energy.db: field/well/DIL/pass1
Total length: 22.78 ft

Total weight:	415.00 lb
O.D.:	4.00 in

CONSOLIDATED
Oil Well Services, LLC

REMIT TO

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

7/20

MAIN OFFICE

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

Invoice

Invoice# 804694

Invoice Date: 06/28/15

Terms: Net 30

Page 1

COLT ENERGY INC.

1112 RHODE ISLAND RD
IOLA KS 66749
USA

6203653111

Schafer #CS-7

15-207-29244

Part No	Description	Quantity	Unit Price	Discount(%)	Total
CE0450	Cement Pump Charge 0 - 1500'	1.000	1,500.0000	48.000	780.00
CE0002	Equipment Mileage Charge - Heavy Equipment	25.000	7.1500	48.000	92.95
CE0711	Minimum Cement Delivery Charge	1.000	660.0000	48.000	343.20
CC5861	ThixoBlend II	135.000	27.0000	48.000	1,895.40
CC5965	Bentonite	200.000	0.3000	48.000	31.20
CC6075	Celloflake	34.000	2.0000	48.000	35.36
CC6079	PhenoSeal Formica Flakes	135.000	1.3500	48.000	94.77
CP8178	4 1/2" Top Rubber Plug	1.000	75.0000	48.000	39.00

Subtotal	6,369.00
Discounted Amount	3,057.12
SubTotal After Discount	3,311.88

Amount Due 6,657.16 If paid after 07/28/15

Tax:	149.85
Total:	3,461.73

106000

APPROVED JA 7/6/2015

D15014203

RECEIVED
JUL 2 RECD

3282
3207

CONSOLIDATED Oil Well Services, LLC

API # 15-207-29244

TICKET NUMBER 49678
LOCATION Oxtawa KS
FOREMAN Fred Mader

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

FIELD TICKET & TREATMENT REPORT
CEMENT

INVOICE #804694

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
6-24-15	1828	Schafer #CS-7	22	16	15E	WO

CUSTOMER: Colt Energy Inc
MAILING ADDRESS: 1112 Rhode Island Rd.
CITY: Iola | STATE: KS | ZIP CODE: 66749

TRUCK #	DRIVER	TRUCK #	DRIVER
712	Fre Mad		
495	Har Bec		
503	A.J McD		

JOB TYPE Longstring | HOLE SIZE 6 3/4 | HOLE DEPTH 1398 | CASING SIZE & WEIGHT 4½" 10.5#
CASING DEPTH 1385.50 | DRILL PIPE Baffle in | TUBING @ 1281.50 | OTHER
SLURRY WEIGHT | SLURRY VOL | WATER gal/sk | CEMENT LEFT in CASING 4' + Plug
DISPLACEMENT 21.6 Bbl | DISPLACEMENT PSI | MIX PSI | RATE 5BPM

REMARKS: Hold Safety meeting Establish Circulation. Mixe Pump 200# Gel Flush. & Mix & Pump 135sks Thixo Blend II ¼# Flo Seal & 1# Phno Seal/Sk. Flush pump & lines clean. Displace 4½" Rubber plug to baffle in casing. Pressure to 600# PSI Release pressure to set Float valve. Shut in Casing.

Customer Supplied Water
King Drilling.

Fred Mader

ACCOUNT CODE	QUANITY or UNITS	DESCRIPTION of SERVICES or PRODUCT		UNIT PRICE	TOTAL
CE0450	1	PUMP CHARGE	495	1500.00	
CE0002	25 mi	MILEAGE	495	1782.50	
CE0711	minimum	Ton Miles Delivery	503	660.00	
		Sub Total		2338.75	
		Less 48%		-1122.60	1216.15
4782 CC5461	135sks	Thixo blend II		3645.00	
CC5765	200#	Bentonite Gel		60.00	
CC6075	34#	Celloflake		68.00	
CC6079	135#	Phno Seal		162.35	
CP8170	1	4½" Rubber Plug		75.00	
		Sub Total		4030.35	
		Less 48%		-1934.57	2095.78
			7.15%	SALES TAX	149.85
				ESTIMATED TOTAL	3461.78

Ravin 3737

AUTHORIZTION Rx TITLE DATE (1657.16)

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

TERMS

In consideration of the prices to be charged for Consolidated Oil Well Services, LLC (COWS) services, equipment and products and for the performance of services and supplying of materials, Customer agrees to the following terms and conditions.

Terms. Cash in advance unless satisfactory credit is established. On credit sales, invoices are payable within 30 days of the invoice date. On all invoices not paid within 30 days, Customer agrees to pay COWS interest at the rate of 18% per annum or the maximum rate allowed by law, whichever is higher. In the event COWS retains an attorney to pursue collection of any account, Customer agrees to pay all collection costs and attorney fees incurred by COWS.

Any applicable federal, state or local sales, use occupation, consumer's or emergency taxes shall be added to the quoted price. All process license fees required to be paid to others will be added to the scheduled prices.

All COWS' prices are subject to change without notice.

SERVICE CONDITIONS

Customer warrants that the well is in proper condition to receive the services, equipment, products and materials to be supplied by COWS. The Customer shall at all time have complete care, custody, and control of the well, the drilling and production equipment at the well, and the premises about the well. A responsible representative of the Customer shall be present to specify depths, pressures, or materials used for any service which is to be performed.

(a) COWS shall not be responsible for any claim, cause of action or demand (hereinafter referred to as a "claim") for damage to property, or injury to or death of employees and representatives, of Customer or the well owner (if different from Customer), unless such damage, injury or death is caused by the willful misconduct or gross negligence of COWS, including but not limited to sub-surface damage and surface damage arising from sub-surface damage.

(b) Unless a claim is the result of the sole willful misconduct or gross negligence of COWS, Customer shall be responsible for and indemnify and hold COWS harmless from any claim for: (1) reservoir loss or damage, or property damage resulting from sub-surface pressure, losing control of the well and/or a well blowout; (2) damages as a result of a subsurface trespass, or an action in the nature thereof, arising from a service operation performed by COWS; (3) injury to or death of persons, other than employees of COWS, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole; and (4) well damage or reservoir damage caused by (i) loss of circulation, cement invasion, cement misplacement, pumping cement or cement plugs on wells with loss of circulation, including the failure to displace plug to proper depth, (ii) sub-surface pressure and resulting failure to complete pumping of cement or cement plug, including dehydration of cement slurry or flashing, plugged float shoe, annulus bridging or plugging, or (iii) down hole tools being lost or left in the well, or becoming stuck in the well for any reason and by any cause. COWS may furnish down hole tools and may supply supervision for the running and placement of such tools but will not be liable for any damage, loss or result caused by the use of such tools. Furthermore, Customer will be responsible for the cost to replace such tools if they are lost or left in the well.

(c) COWS makes no guarantee of the effectiveness of any COWS' products, supplies or materials, or the results of any COWS' treatment or services.

(d) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, COWS is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by COWS. COWS' personnel will use their best efforts in gathering such information and their best judgement in interpreting it, but Customer agrees that COWS shall not be responsible for any damage arising from the use of such information except where due to COWS' gross negligence or willful misconduct in the preparation or furnishing of it.

(e) COWS may buy and re-sell to Customer down hole equipment, including but not limited to float equipment, DV tools, port collars, type A & B packers, and Customer agrees that COWS is not an agent or dealer for the companies who manufacture such items, and further agrees that Customer shall be solely responsible for and indemnify COWS against any claim with regard to the effectiveness, malfunction of, or functionality of such items.

WARRANTIES - LIMITATION OF LIABILITY

COWS warrants title to the products, supplies and materials, and that the same are free from defects in workmanship and materials. THERE ARE NO OTHER WARRANTIES, EXPRESS OR IMPLIED, NOR ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. COWS's liability and Customer's exclusive remedy in any claim (whether in contract, tort, breach of warranty or otherwise,) arising out of the sale or use of any COWS' products, supplies, materials or services is expressly limited to the replacement of such products, supplies, materials or services or their return to COWS or, at COWS' option, an allowance to Customer of credit for the cost of such items.

Customer waives and releases all claims against COWS for any special, incidental, indirect, consequential or punitive damages.