KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1241407

Form CP-1
March 2010
This Form must be Typed
Form must be Signed
All blanks must be Filled

WELL PLUGGING APPLICATION

Form KSONA-1, Certification of Compliance with the Kansas Surface Owner Notification Act, MUST be submitted with this form.

OPERATOR: License #: 34344
Name: Culbreath Oil & Gas Company, Inc.
Address 1: 3501 S YALE AVE
Address 2:
City: TULSA State: OK Zip: 74135 + 8014
Contact Person: Kevin Howard
Phone: (918) 749-3508

API No. 15 - 15-179-21384-00-00
If pre 1967, supply original completion date:
Spot Description:
NW - SE - SE - NE Sec. 22 Twp. 10 S. R. 30 ☐ East ☑ West
2240 Feet from ☑ North / ☐ South Line of Section
400 Feet from ☑ East / ☐ West Line of Section
Footages Calculated from Nearest Outside Section Corner:
☑ NE ☐ NW ☐ SE ☐ SW
County: Sheridan
Lease Name: Hawkeye Well #: 1-22

Check One: ☑ Oil Well ☐ Gas Well ☐ OG ☐ D&A ☐ Cathodic ☐ Water Supply Well ☐ Other:
☐ SWD Permit #: ☐ ENHR Permit #: ☐ Gas Storage Permit #:

Conductor Casing Size: Set at: Cemented with: Sacks
Surface Casing Size: 8.625 Set at: 306 Cemented with: 225 Sacks
Production Casing Size: 5.5 Set at: 4255 Cemented with: 180 Sacks

List *(ALL)* Perforations and Bridge Plug Sets:
Attached

Elevation: 2827 (☐ G.L. / ☑ K.B.) T.D.: 4256 PBTD: Anhydrite Depth: 2432 *(Stone Corral Formation)*

Condition of Well: ☑ Good ☐ Poor ☐ Junk in Hole ☐ Casing Leak at: - *(Interval)*

Proposed Method of Plugging *(attach a separate page if additional space is needed)*:
Plugging will be completed based on orders as received and directed by the KCC District Office in Hays, Kansas.

Is Well Log attached to this application? ☐ Yes ☐ No Is ACO-1 filed? ☐ Yes ☑ No

If ACO-1 not filed, explain why:
Just completed drilling the well 18 days ago and started to compete and well went to water while testing trough casing. The ACO-1 will be filed before the due date

Plugging of this Well will be done in accordance with K.S.A. 55-101 et. seq. and the Rules and Regulations of the State Corporation Commission

Company Representative authorized to supervise plugging operations: kevin Howard
Address: 3501 S. Yale Avenue City: Tulsa State: OK Zip: 74135 + __ __ __ __
Phone: (918) 749-3508
Plugging Contractor License #: 34082 Name: Alliance Well Service Inc.
Address 1: 470 YUCCA LN Address 2:
City: PRATT State: KS Zip: 67124 + __ __ __ __
Phone: (620) 672-9100

Proposed Date of Plugging *(if known)*: 02/06/2015

Payment of the Plugging Fee (K.A.R. 82-3-118) will be guaranteed by Operator or Agent

Submitted Electronically

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

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1241407

Form KSONA-1
January 2014
Form Must Be Typed
Form must be Signed
All blanks must be Filled

CERTIFICATION OF COMPLIANCE WITH THE KANSAS SURFACE OWNER NOTIFICATION ACT

This form must be submitted with all Forms C-1 (Notice of Intent to Drill); CB-1 (Cathodic Protection Borehole Intent); T-1 (Request for Change of Operator Transfer of Injection or Surface Pit Permit); and CP-1 (Well Plugging Application). Any such form submitted without an accompanying Form KSONA-1 will be returned.

Select the corresponding form being filed: ☐ **C-1** (Intent) ☐ **CB-1** (Cathodic Protection Borehole Intent) ☐ **T-1** (Transfer) ☒ **CP-1** (Plugging Application)

OPERATOR: License # 34344
Name: Culbreath Oil & Gas Company, Inc.
Address 1: 3501 S YALE AVE
Address 2:
City: TULSA State: OK Zip: 74135 + 8014
Contact Person: Kevin Howard
Phone: (918) 7493509 Fax: ( )
Email Address: kevin@culbreathoilgas.com

Well Location:
NW - SE - SE - NE Sec. 22 Twp. 10 S. R. 30 ☐ East ☑ West
County: Sheridan
Lease Name: Hawkeye Well #: 1-22

If filing a Form T-1 for multiple wells on a lease, enter the legal description of the lease below:

Surface Owner Information:
Name: Doug Bixenman
Address 1: P.O. Box 147
Address 2:
City: Grinnell State: Kansas Zip: 67738 +

When filing a Form T-1 involving multiple surface owners, attach an additional sheet listing all of the information to the left for each surface owner. Surface owner information can be found in the records of the register of deeds for the county, and in the real estate property tax records of the county treasurer.

If this form is being submitted with a Form C-1 (Intent) or CB-1 (Cathodic Protection Borehole Intent), you must supply the surface owners and the KCC with a plat showing the predicted locations of lease roads, tank batteries, pipelines, and electrical lines. The locations shown on the plat are preliminary non-binding estimates. The locations may be entered on the Form C-1 plat, Form CB-1 plat, or a separate plat may be submitted.

Select one of the following:

☒ I certify that, pursuant to the Kansas Surface Owner Notice Act (House Bill 2032), I have provided the following to the surface owner(s) of the land upon which the subject well is or will be located: 1) a copy of the Form C-1, Form CB-1, Form T-1, or Form CP-1 that I am filing in connection with this form; 2) if the form being filed is a Form C-1 or Form CB-1, the plat(s) required by this form; and 3) my operator name, address, phone number, fax, and email address.

☐ I have not provided this information to the surface owner(s). I acknowledge that, because I have not provided this information, the KCC will be required to send this information to the surface owner(s). To mitigate the additional cost of the KCC performing this task, I acknowledge that I must provide the name and address of the surface owner by filling out the top section of this form and that I am being charged a $30.00 handling fee, payable to the KCC, which is enclosed with this form.

If choosing the second option, submit payment of the $30.00 handling fee with this form. If the fee is not received with this form, the KSONA-1 form and the associated Form C-1, Form CB-1, Form T-1, or Form CP-1 will be returned.

Submitted Electronically

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

Form	CP1 - Well Plugging Application
Operator	Culbreath Oil & Gas Company, Inc.
Well Name	Hawkeye 1-22
Doc ID	1241407

Perforations And Bridge Plug Sets

Perforation Top	Perforation Base	Formation	Bridge Plug Depth
3994	3998	Lansing E Zone	
3976	3980	Lansing D zone	
3960	3963	Lansing B zone	

HALLIBURTON

QUAD COMBO
TVD LOG

COMPANY	CULBREATH OIL & GAS
WELL	HAWKEYE 1-22
FIELD/BLOCK	WILDCAT
COUNTY	SHERIDAN
STATE	KANSAS

COMPANY **CULBREATH OIL & GAS**
WELL **HAWKEYE 1-22**
FIELD/BLOCK **WILDCAT**
COUNTY **SHERIDAN** STATE **KANSAS**

API No. 15-179-21384-00-00
Location (SHL) 2240' FNL & 400' FEL
NW SE SE NE

Other Services:
NONE

Sect. 22 Twp. 10S Rge. 30W

Permanent Datum	GL	Elev. 2822.0 ft	Elev.: K.B.	2827.0 ft
Log measured from	KB	, 5.0 ft above perm. Datum	D.F.	2826.0 ft
Drilling measured from	KB		G.L.	2822.0 ft

Date		10-Jan-15					
Run No.		ONE					
Depth - Driller		4310.00 ft					
Depth - Logger		4308.0 ft					
Bottom - Logged Interval		4299.00 ft					
Top - Logged Interval		306.00 ft					
Casing - Driller		8.625 in	@ 305.0 ft	@		@	
Casing - Logger		306.0 ft					
Bit Size		7.875 in		@		@	
Type Fluid in Hole		Water Based Mud					
Density	Viscosity	9.2 ppg	53.00 s/qt				
PH	Fluid Loss	10.00 pH	7.6 cptm				
Source of Sample		MUD PIT					
Rm @ Meas. Temperature		0.800 ohmm	@ 65.00 degF	@		@	
Rmf @ Meas. Temperature		0.64 ohmm	@ 65.00 degF	@		@	
Rmc @ Meas. Temperature		0.960 ohmm	@ 65.00 degF	@		@	
Source Rmf	Rmc	CALCULATED	CALCULATED				
Rm @ BHT		0.46 ohmm	@ 119.0 degF	@		@	
Time Since Circulation		4.0000 hr					
Time on Bottom		10-Jan-15 16:30:46.000					
Max. Rec. Temperature		119.0 degF	@ 4308.0 ft	@		@	
Equipment	Location	11072142	LIBERAL				
Recorded By		SUHAIL BISHTI					
Witnessed By		A.LUNA					

Fold here

Service Ticket No.: 901949397 API Serial No.: 15-179-21384-00-00 PGM Version: WL INSITE R4.4.3 (Build 6)

CHANGE IN MUD TYPE OR ADDITIONAL SAMPLE					
Date	Sample No.				
Depth-Driller					
Type Fluid in Hole					
Density	Viscosity				
Ph	Fluid Loss				
Source of Sample					
Rm @ Meas. Temp		@		@	
Rmf @ Meas. Temp.		@		@	
Rmc @ Meas. Temp.		@		@	
Source Rmf	Rmc				
Rm @ BHT		@		@	
Rmf @ BHT		@		@	
Rmc @ BHT		@		@	

RESISTIVITY SCALE CHANGES			
Type Log	Depth	Scale Up Hole	Scale Down Hole

RESISTIVITY EQUIPMENT DATA				
Run No.	Tool Type & No.	Pad Type	Tool Pos.	Other
ONE	ACRT	N/A	1.5" S.O.	N/A
	I059_S385			
ONE	MICROLOG	RUBBER	ADJ	N/A
	10950489			

EQUIPMENT DATA

GAMMA		ACOUSTIC		DENSITY		NEUTRON	
Run No.	ONE	Run No.	ONE	Run No.	ONE	Run No.	ONE
Serial No.	11048627	Serial No.	10747683	Serial No.	10844781	Serial No.	11019643
Model No.	GTET	Model No.	BSAT	Model No.	SDLT-I	Model No.	DSNT-I
Diameter	3.625"	No. of Cent.	2	Diameter	4.5"	Diameter	3.625"
Detector Model No.	T-102	Spacing	EVEN	Log Type	GAM-GAM	Log Type	NEU-NEU
Type	SCINT			Source Type	CS137	Source Type	AM241BE
Length	8'	LSA [Y/N]	Y	Serial No.	5168GW	Serial No.	DSN-424
Distance to Source	10'	FWDA [Y/N]	N	Strength	1.5 Ci	Strength	15 Ci

LOGGING DATA

GENERAL				GAMMA		ACOUSTIC			DENSITY			NEUTRON		
Run	Depth		Speed	Scale		Scale		Matrix	Scale		Matrix	Scale		Matrix
No.	From	To	ft/min	L	R	L	R		L	R		L	R	
ONE	TD	CSG	REC	0	150	30	-10	47.6	30	-10	2.71	30	-10	LIME

DIRECTIONAL INFORMATION

Maximum Deviation	@	KOP	@

Remarks: ANNULAR HOLE VOLUME CALCULATED FOR 5.5 INCH CASING

CHLORIDES REPORTED AT 3800 MG/L

LCM REPORTED AT 2 LB/BB

GTET/DSN/SDL/BSAT/IDT/ACRT WERE LOGGED IN COMBINATION AT ONE RUN

TODAY'S CREW:E.ZAPIEN & A.ESTRADA

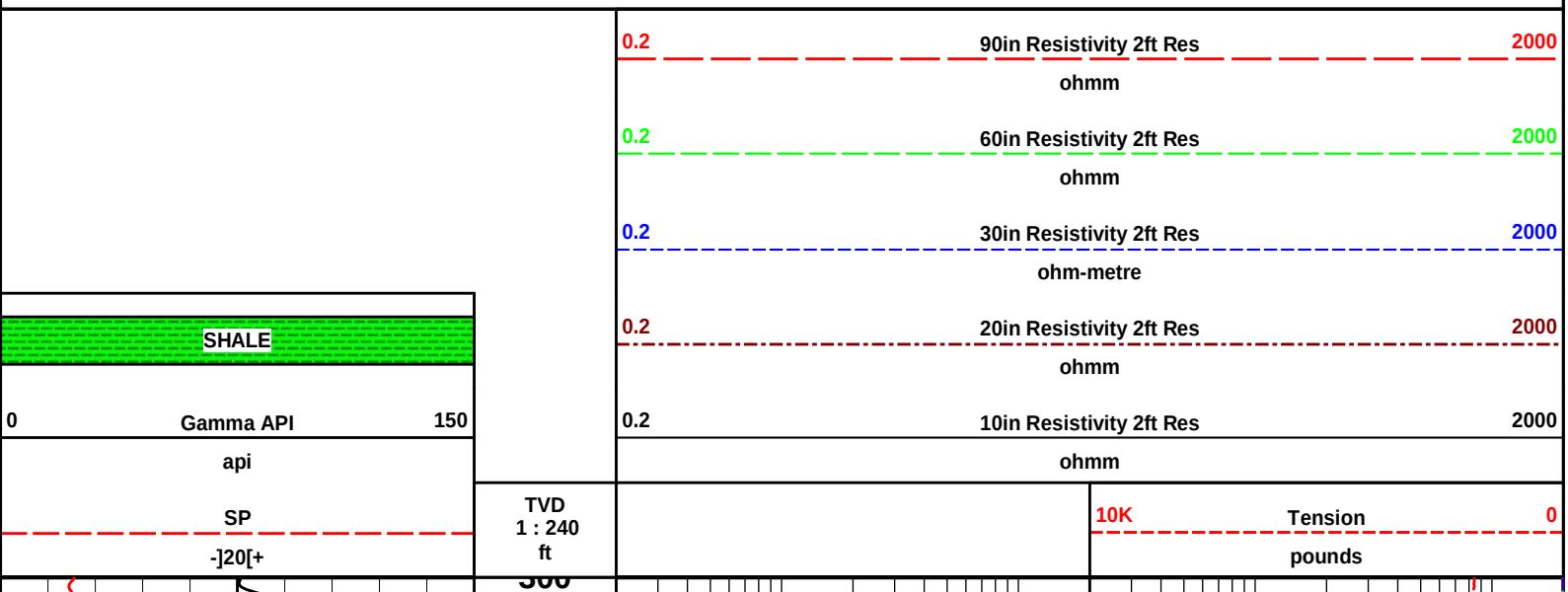
THANK YOU FOR CHOOSING HALLIBURTON ENERGY SERVICES LIBERAL, KS. 620-624-8123

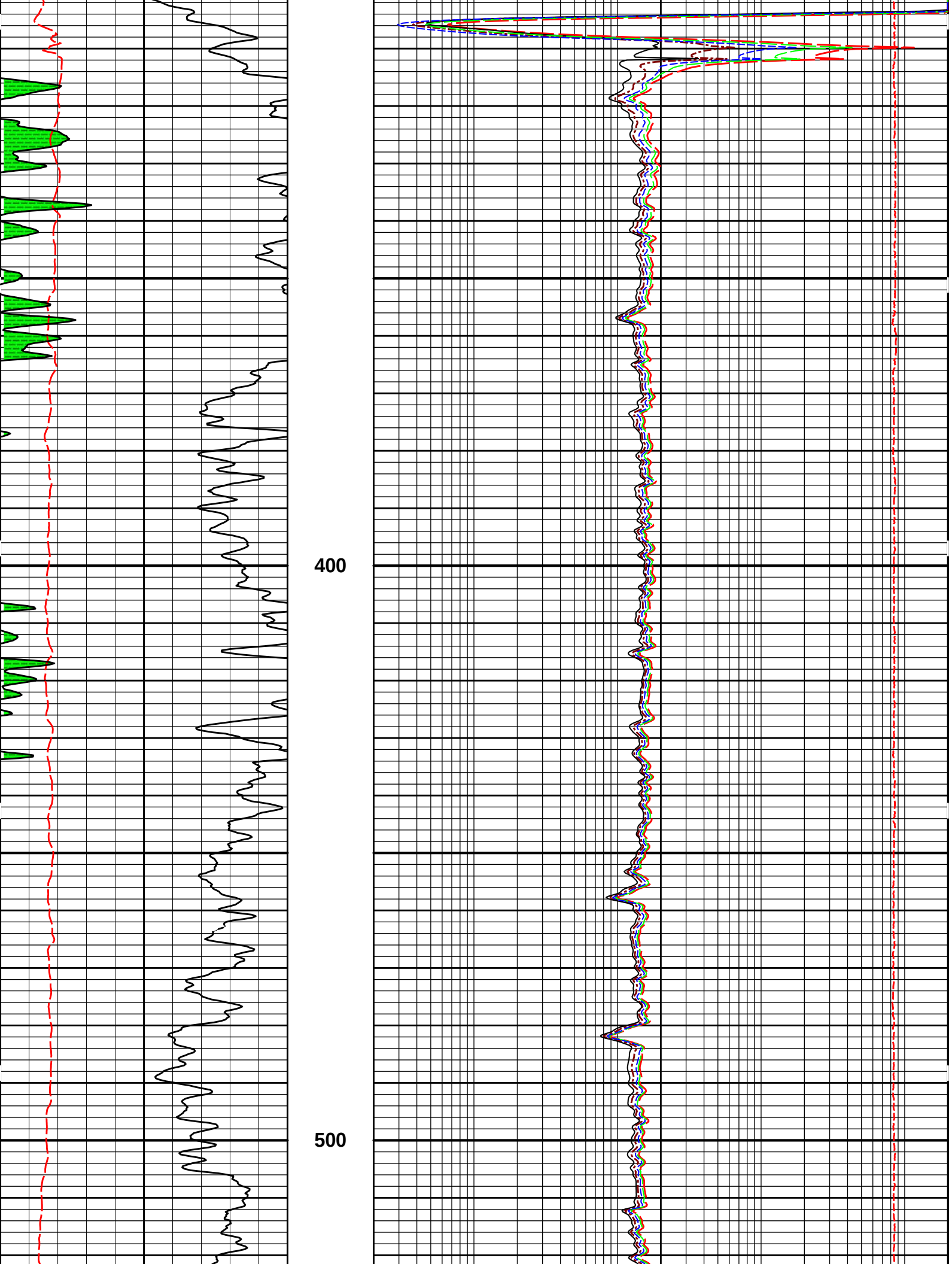
HALLIBURTON

Plot Time: 10-Jan-15 19:31:38
Plot Range: 299.98 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\MAIN
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\ACRT_5_main_lib

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

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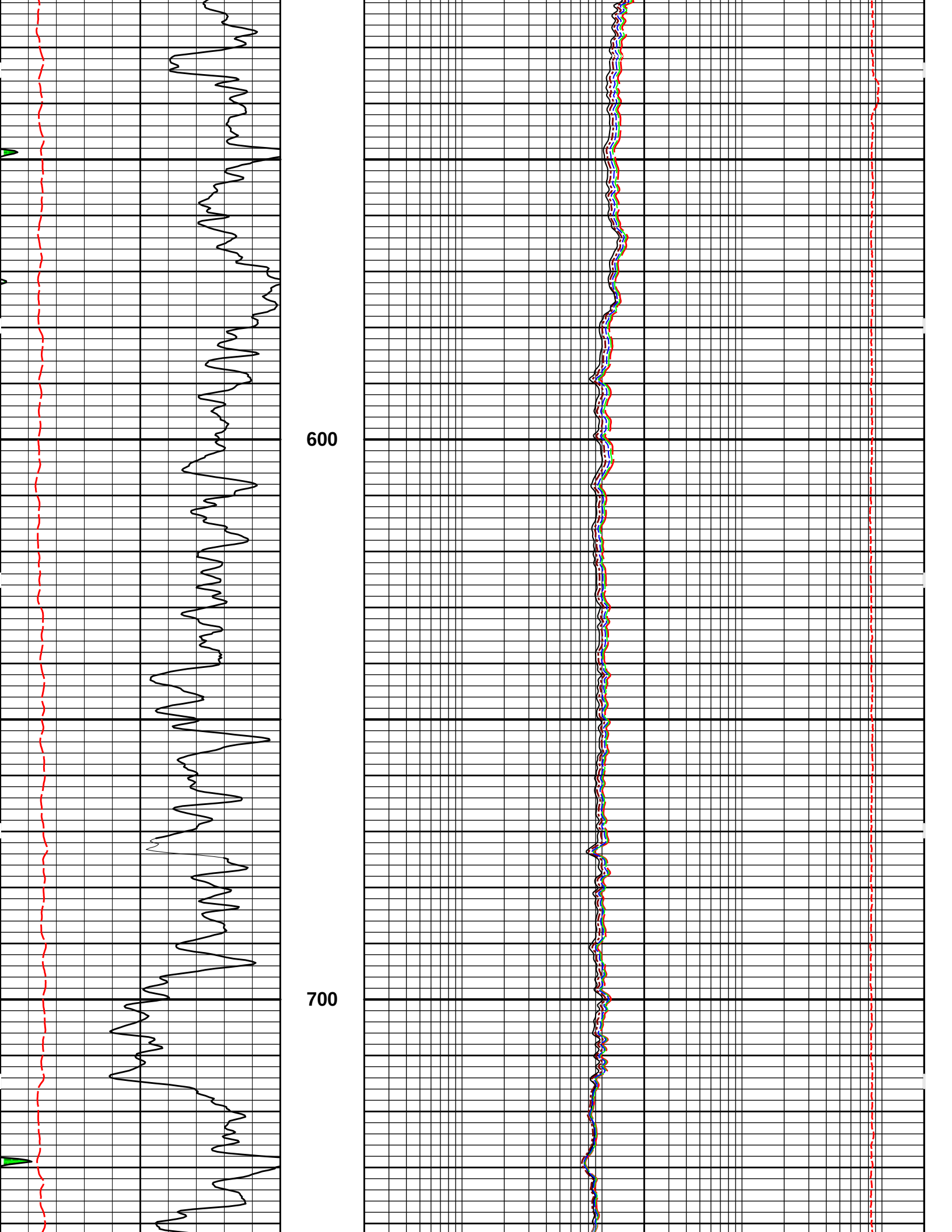
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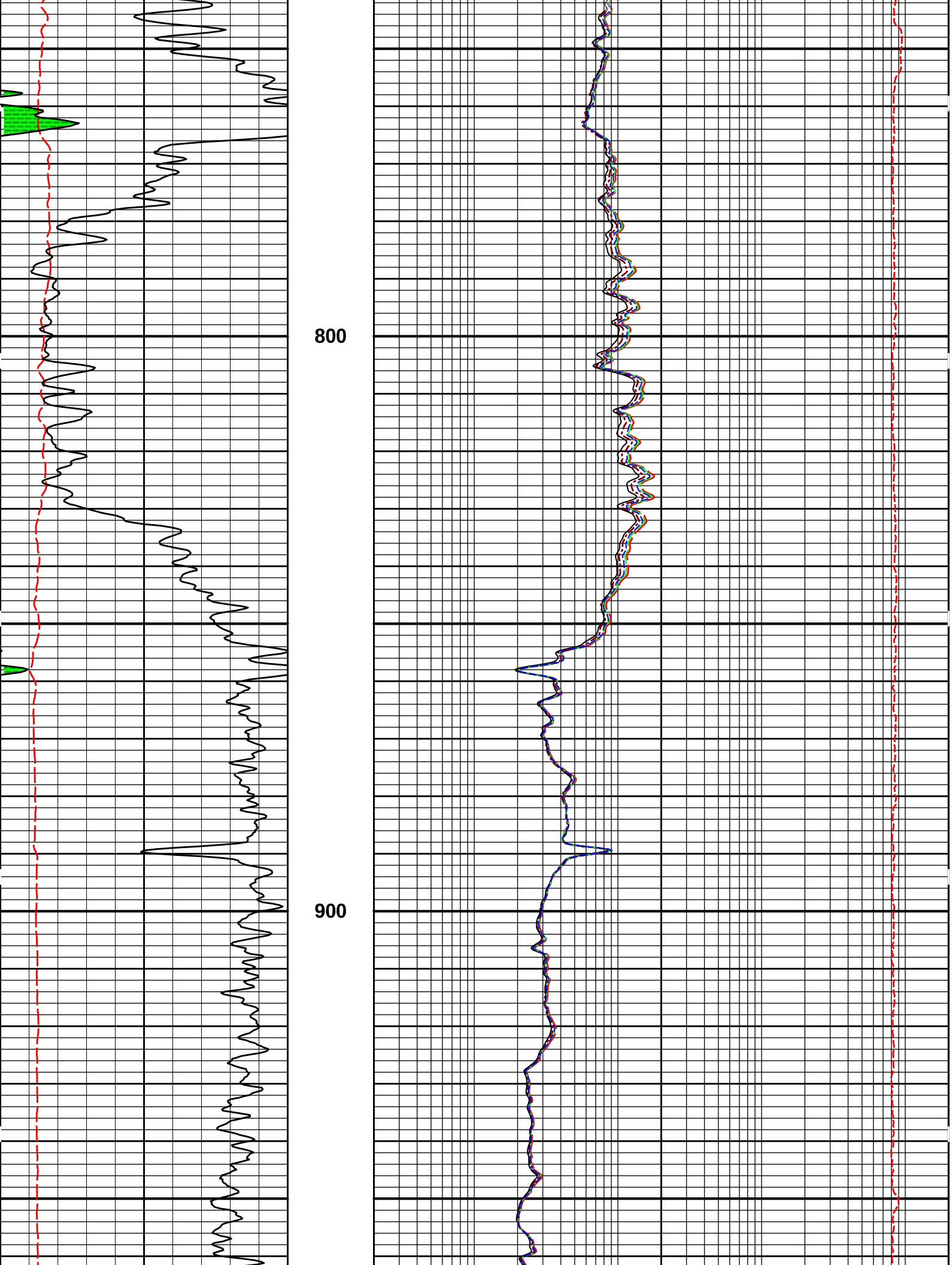
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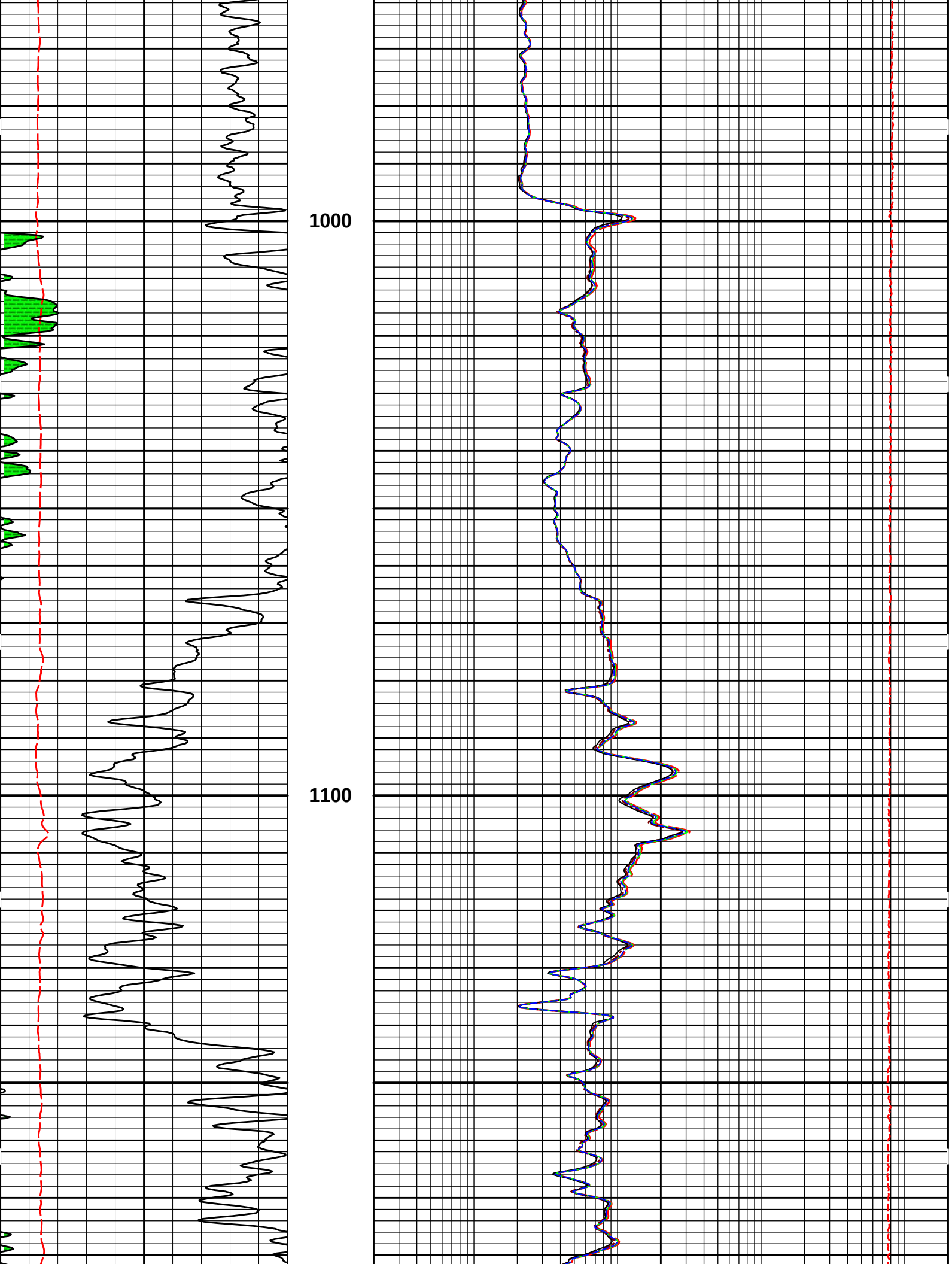
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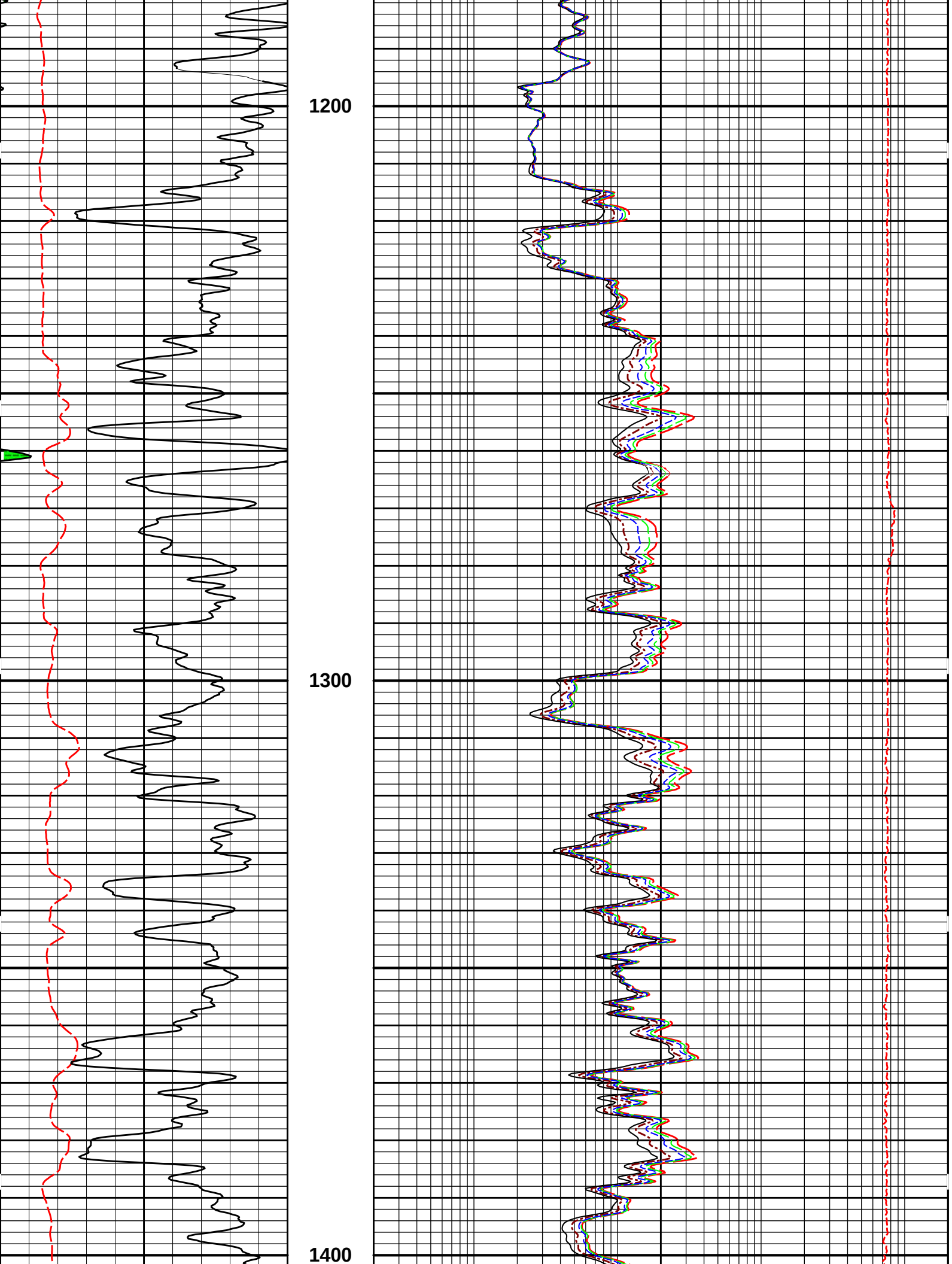
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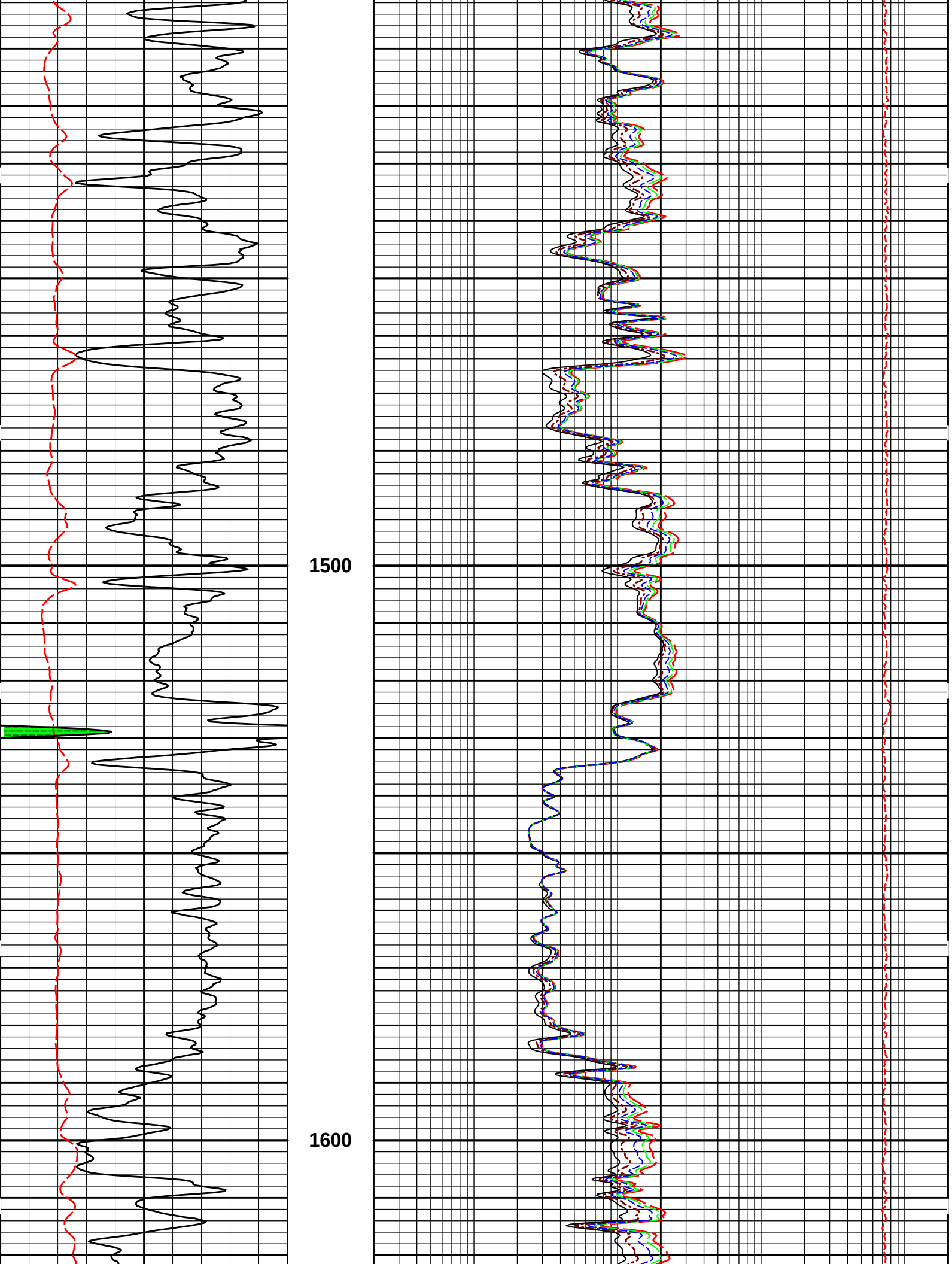
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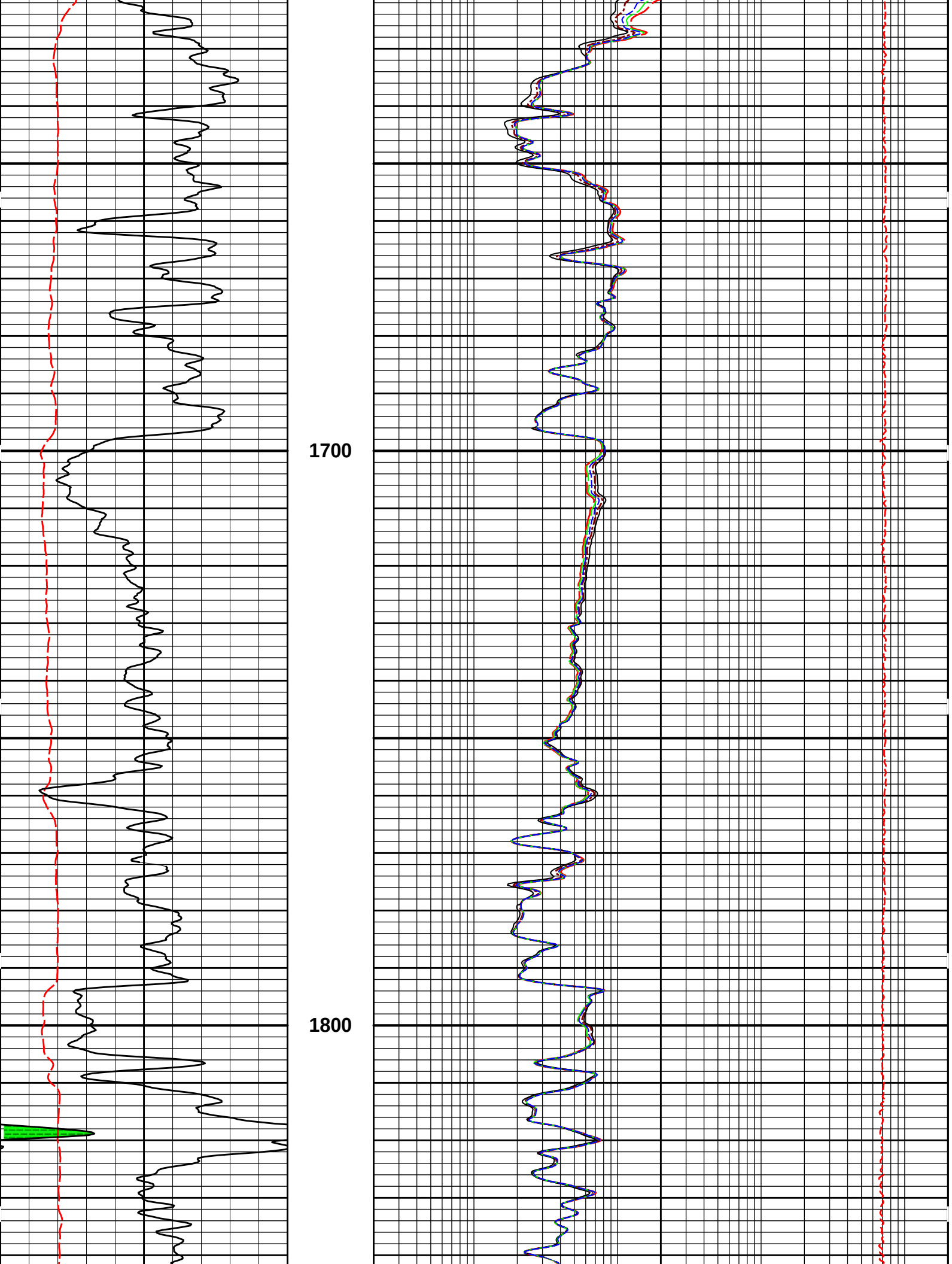
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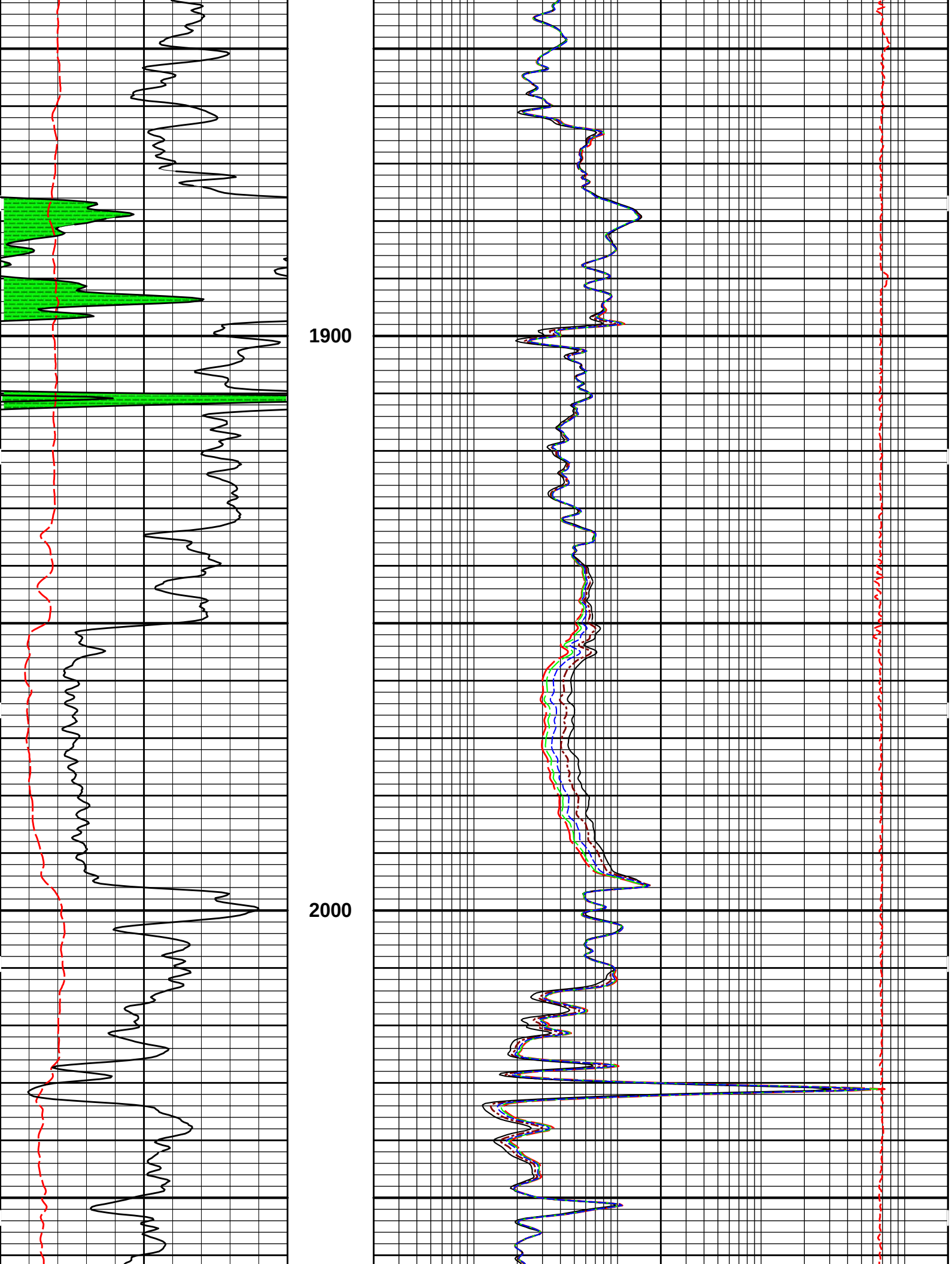
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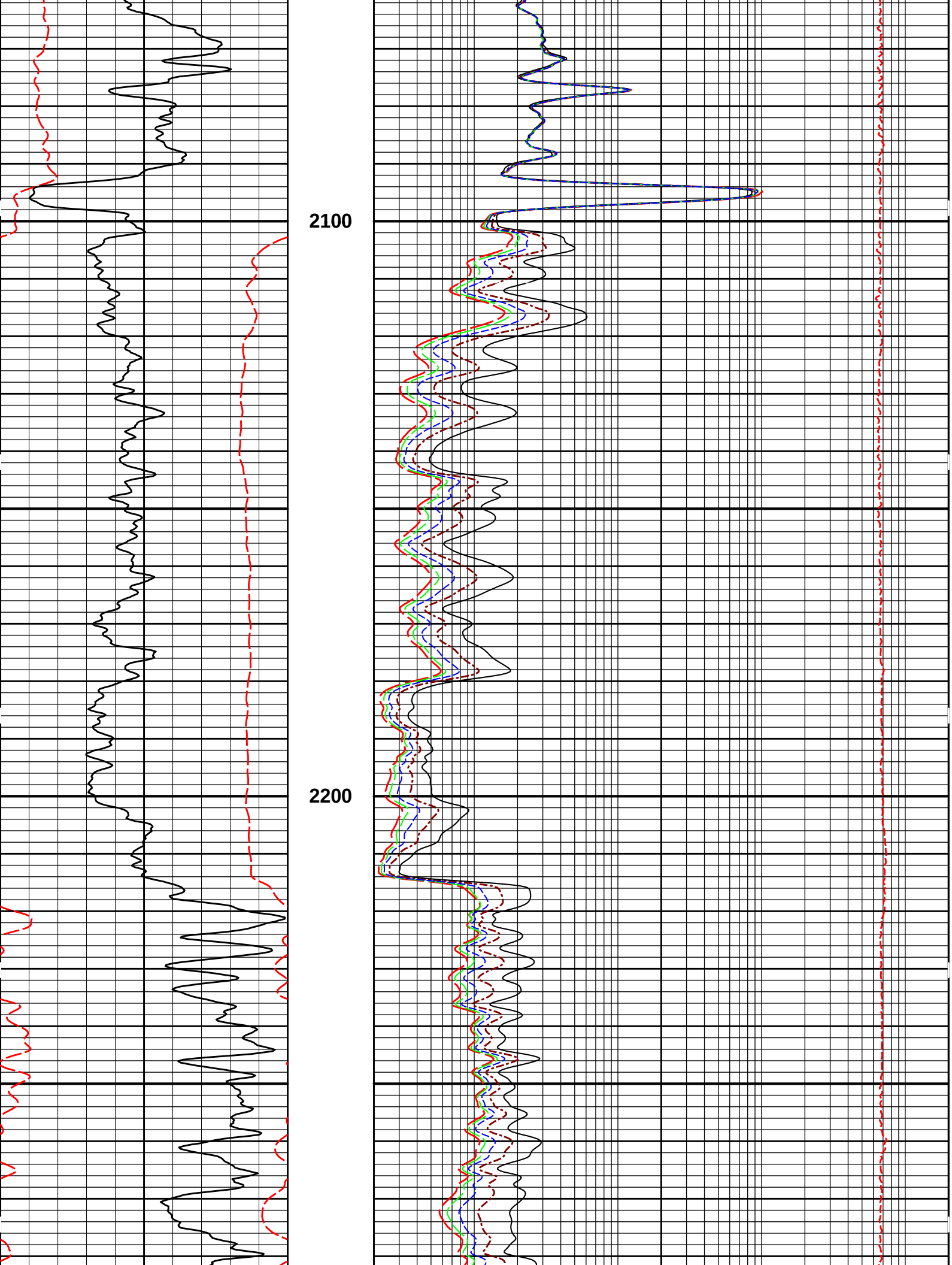
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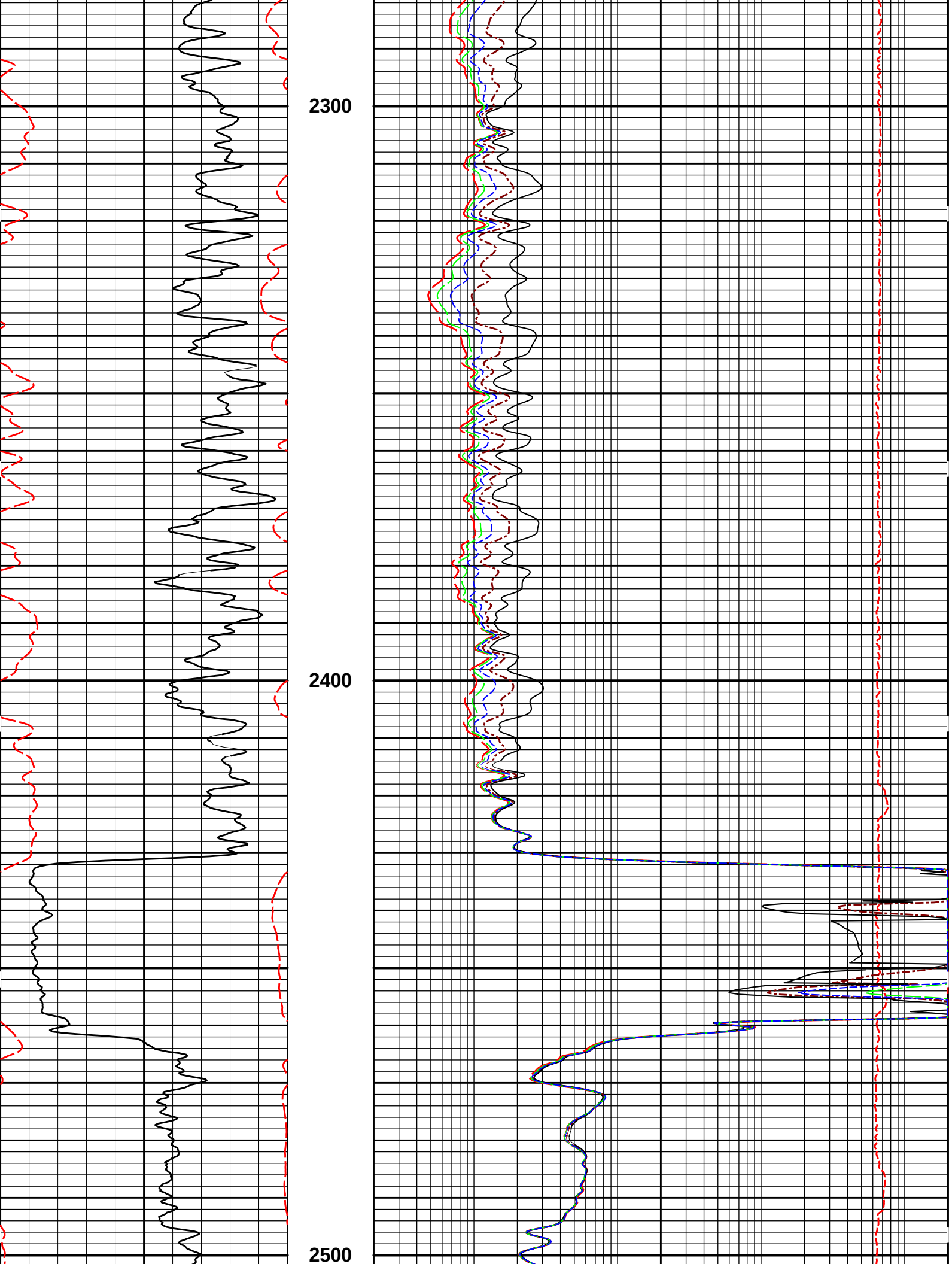
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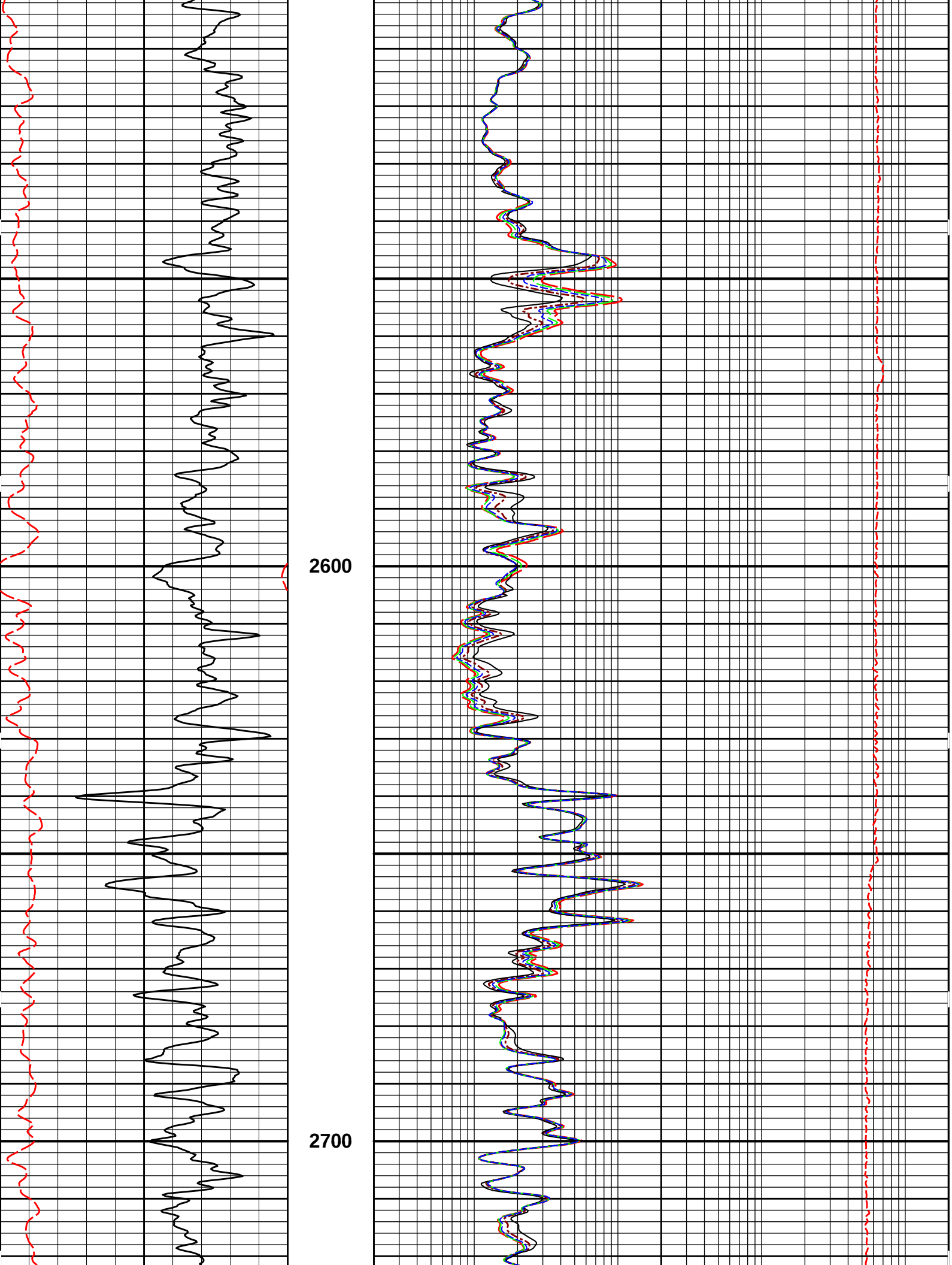
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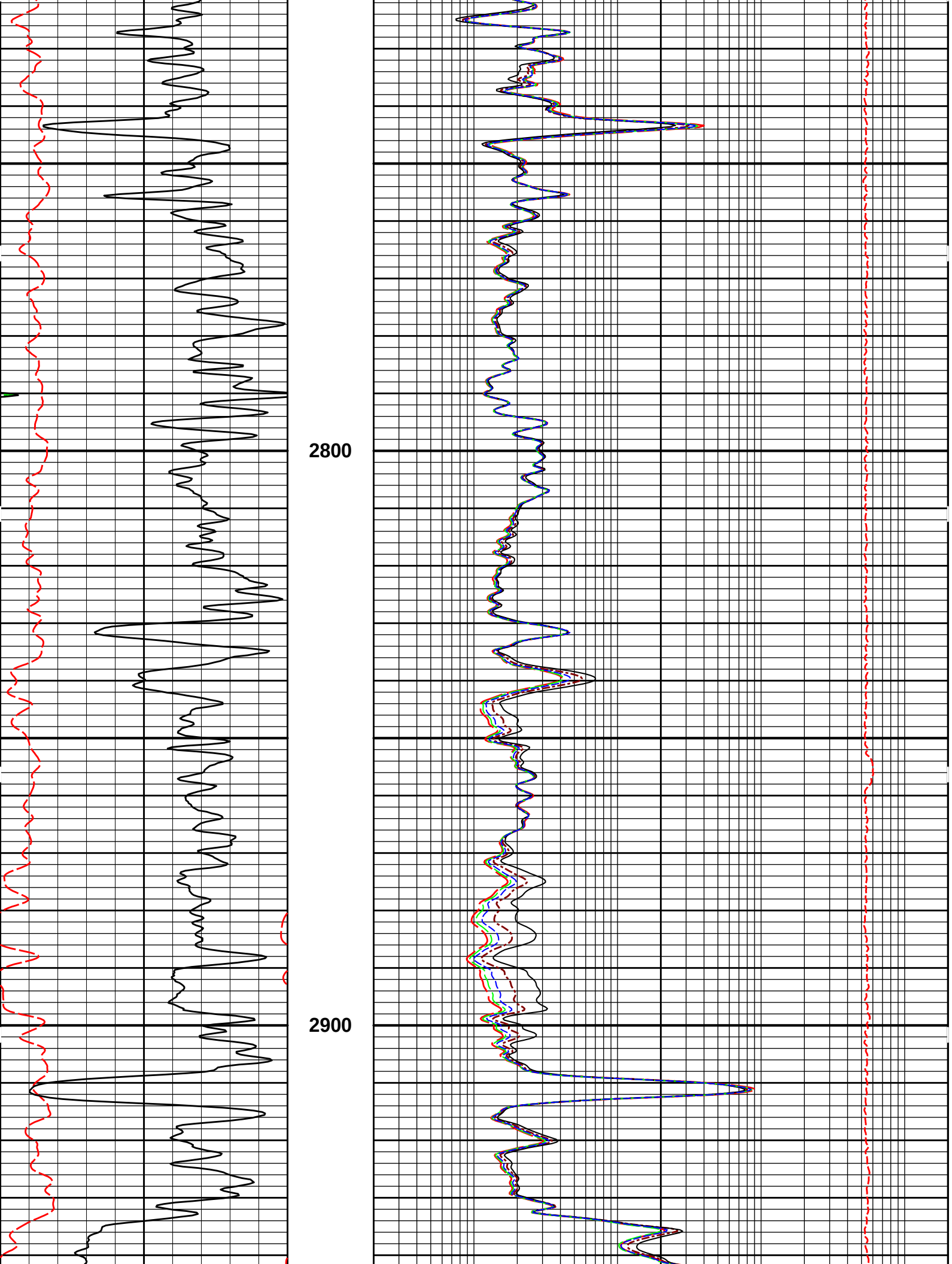
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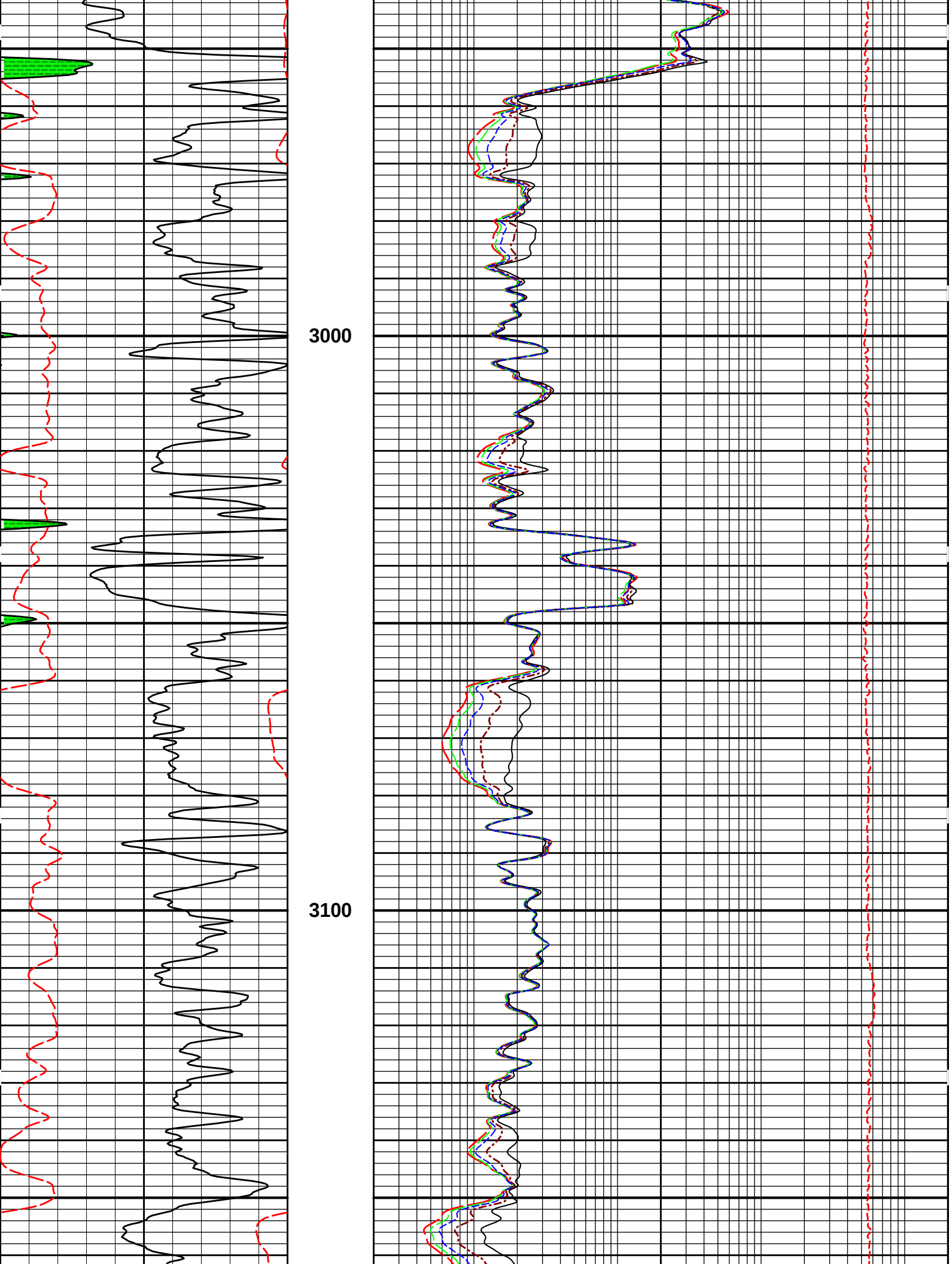
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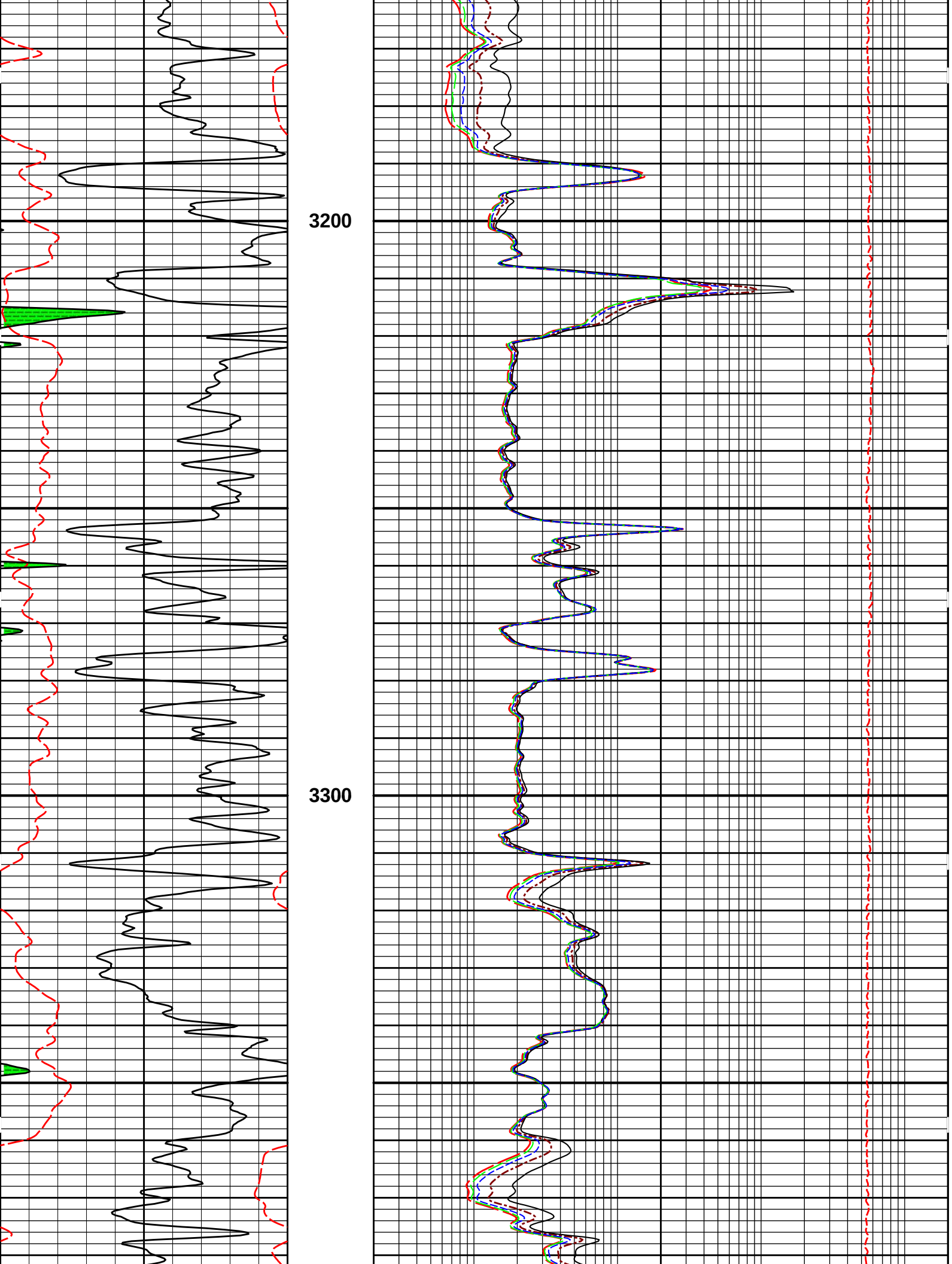
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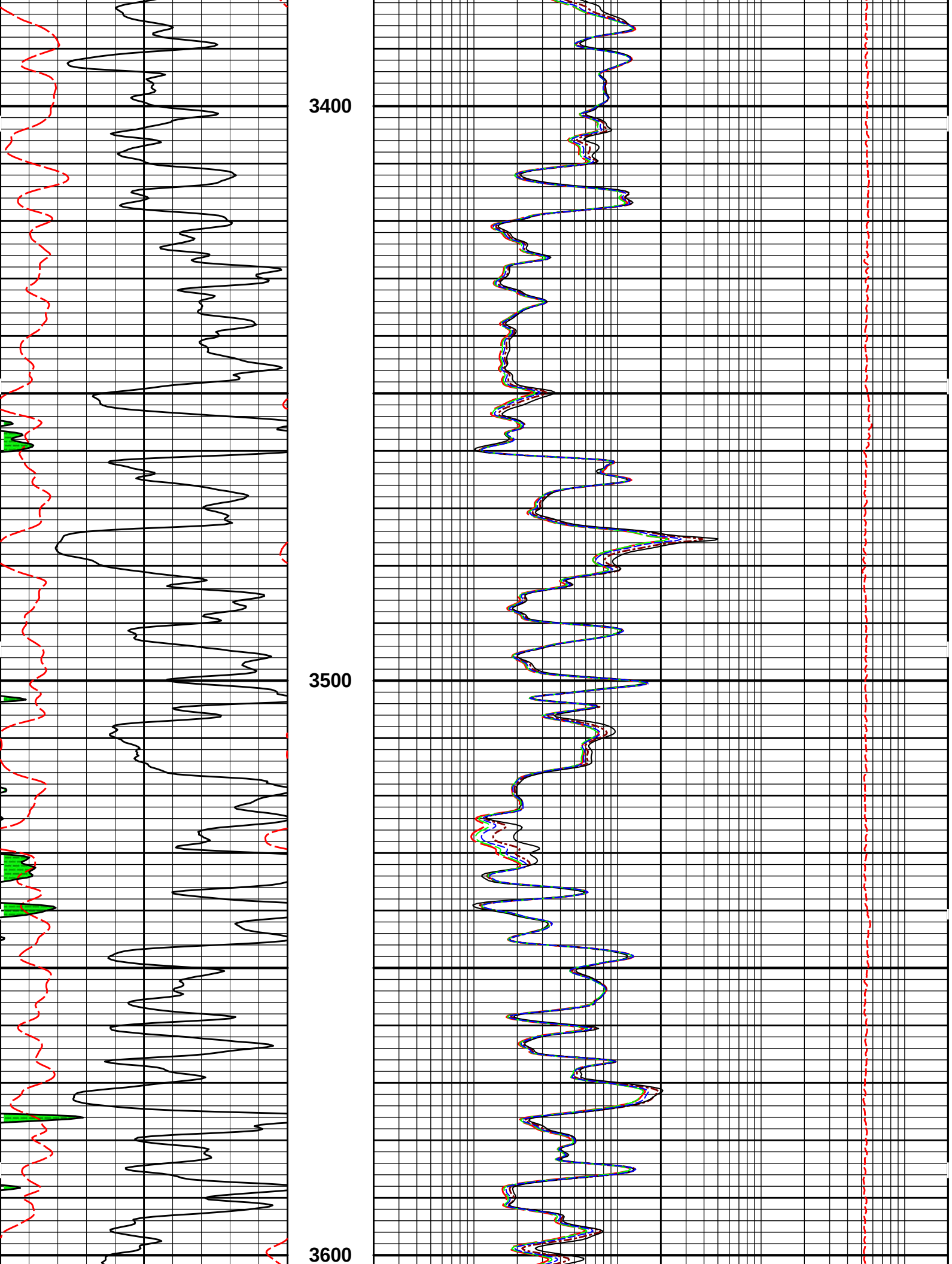
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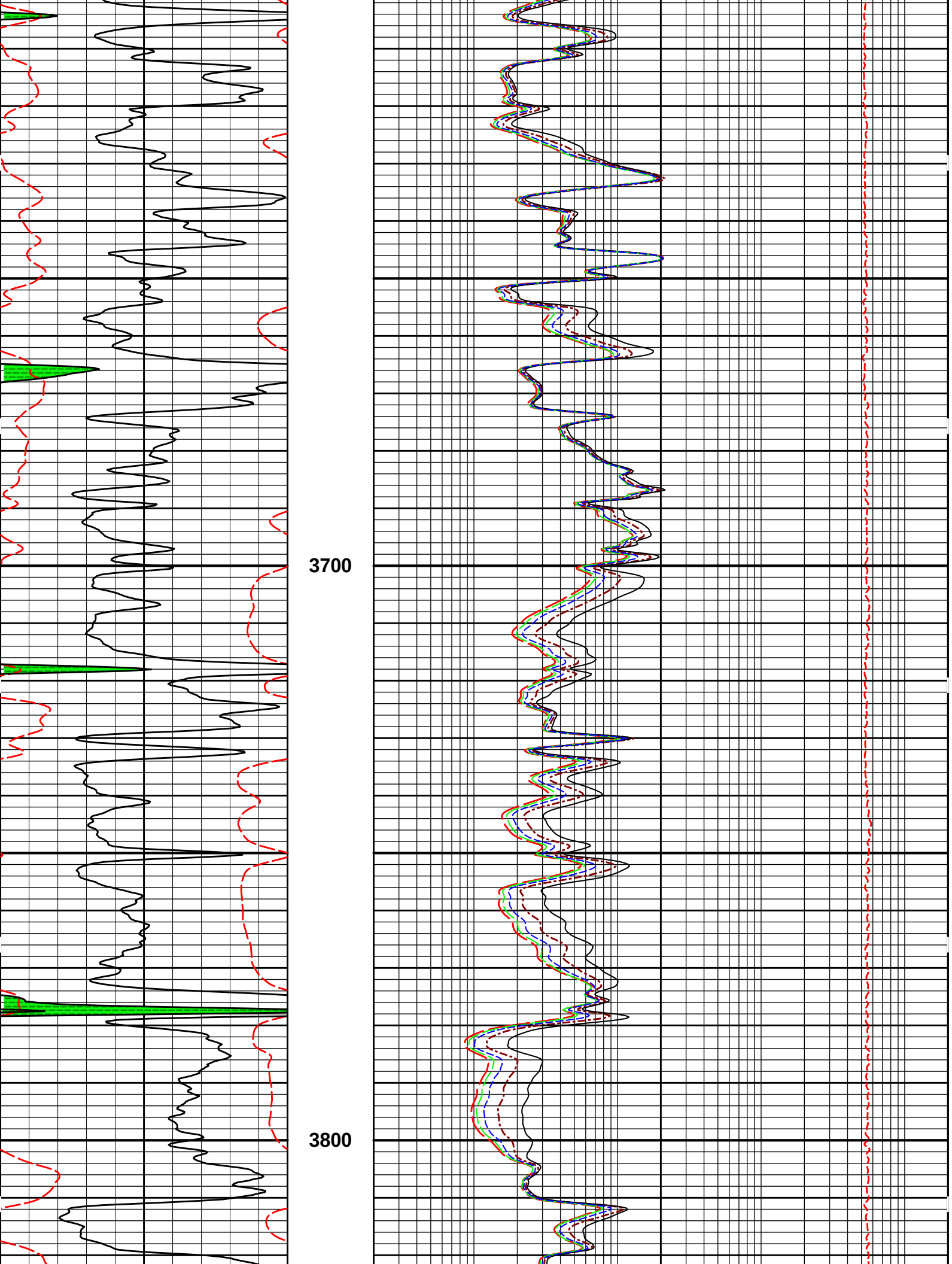
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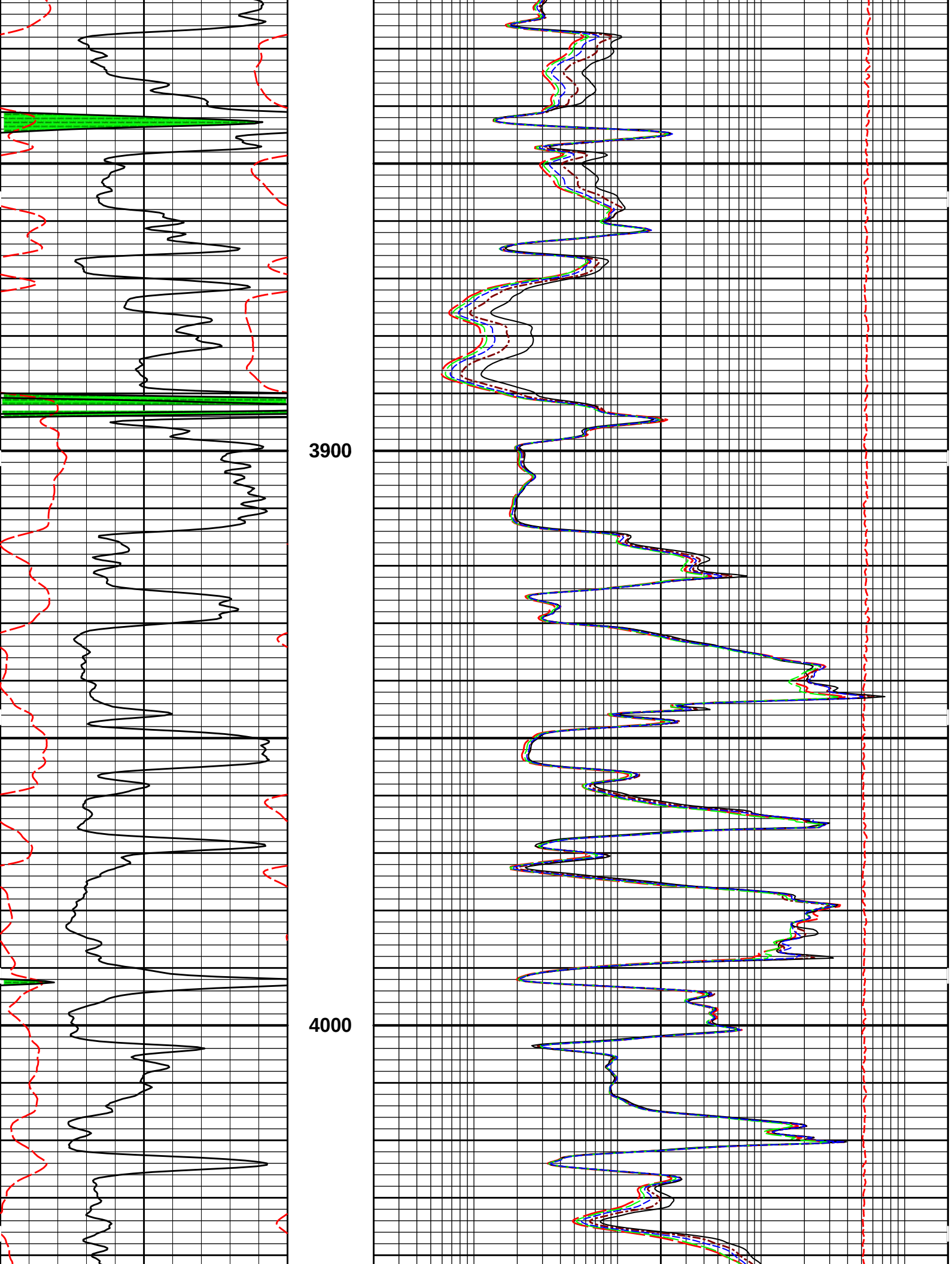
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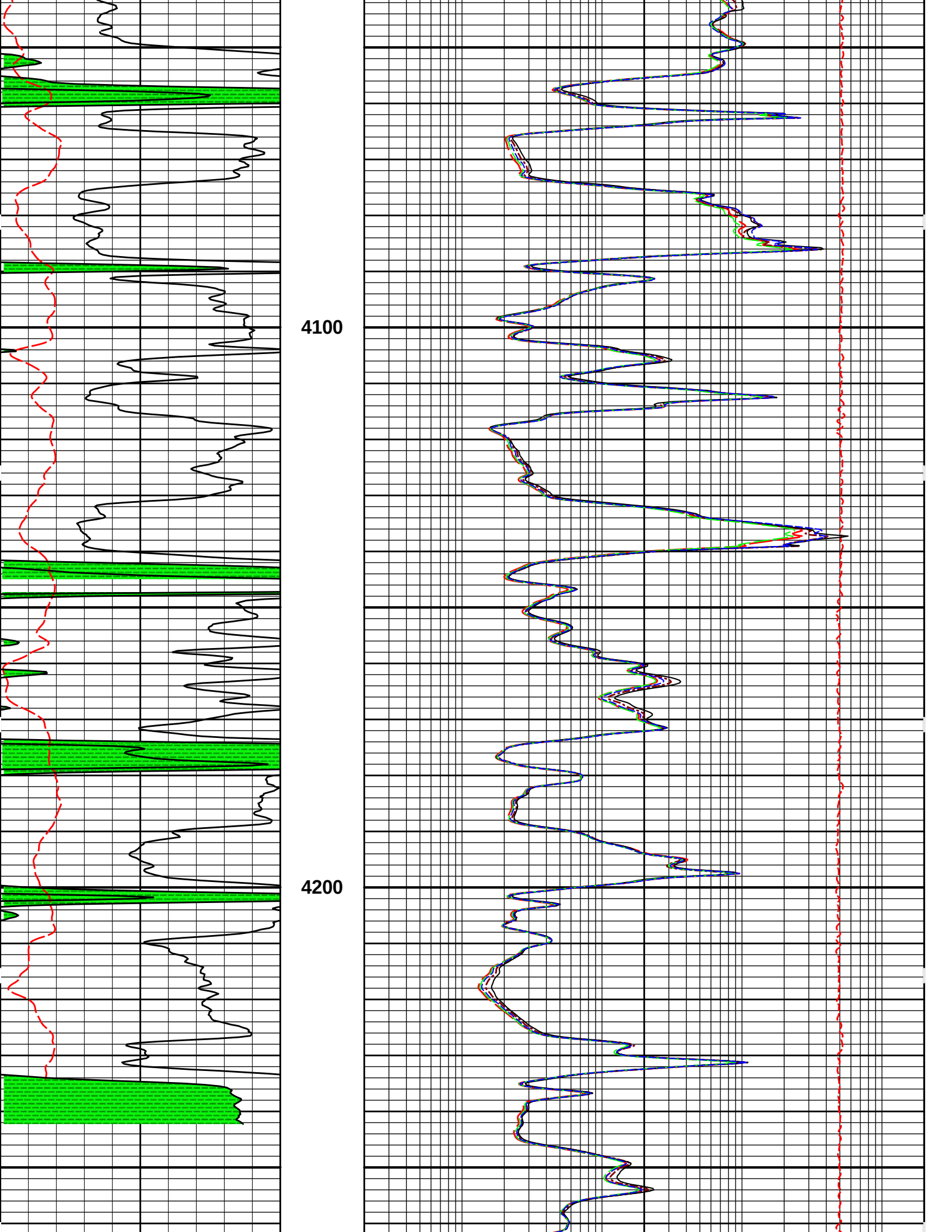
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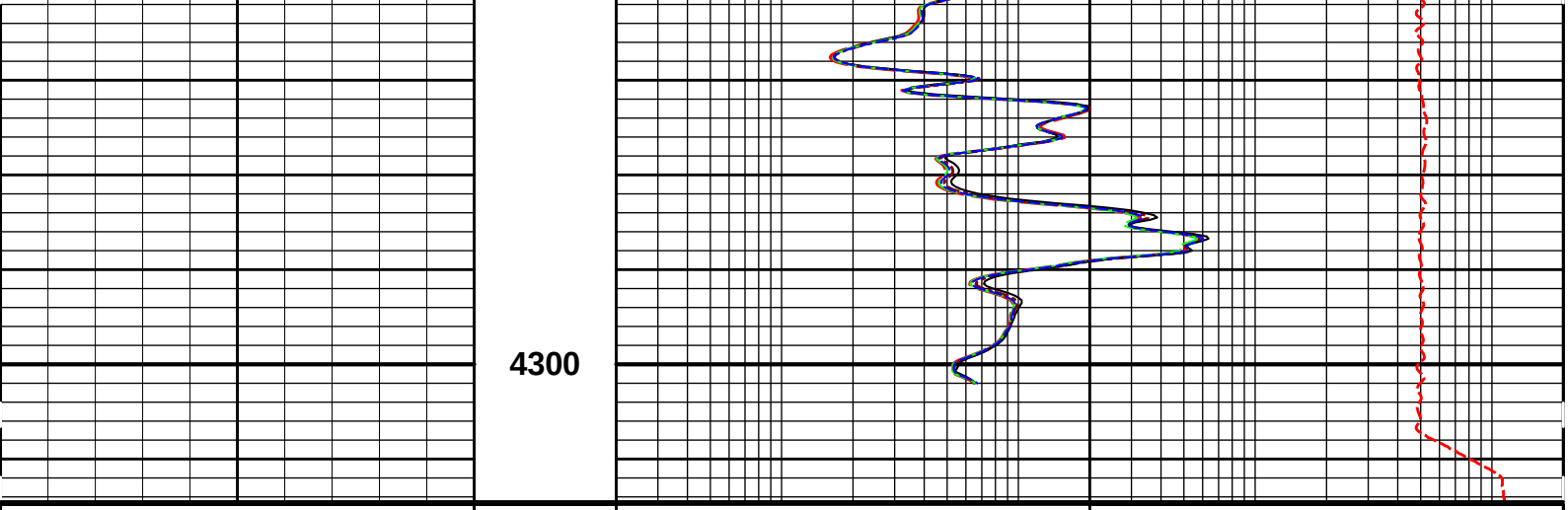


SP
-]20[+
0 Gamma API 150
api
SHALE

TVD
1 : 240
ft

10K Tension 0
pounds

0.2 10in Resistivity 2ft Res 2000
ohmm
0.2 20in Resistivity 2ft Res 2000
ohmm
0.2 30in Resistivity 2ft Res 2000
ohm-metre
0.2 60in Resistivity 2ft Res 2000
ohmm
0.2 90in Resistivity 2ft Res 2000
ohmm

HALLIBURTON

Plot Time: 10-Jan-15 19:31:41
Plot Range: 299.98 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\MAIN\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\ACRT_5_main_lib

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

HALLIBURTON

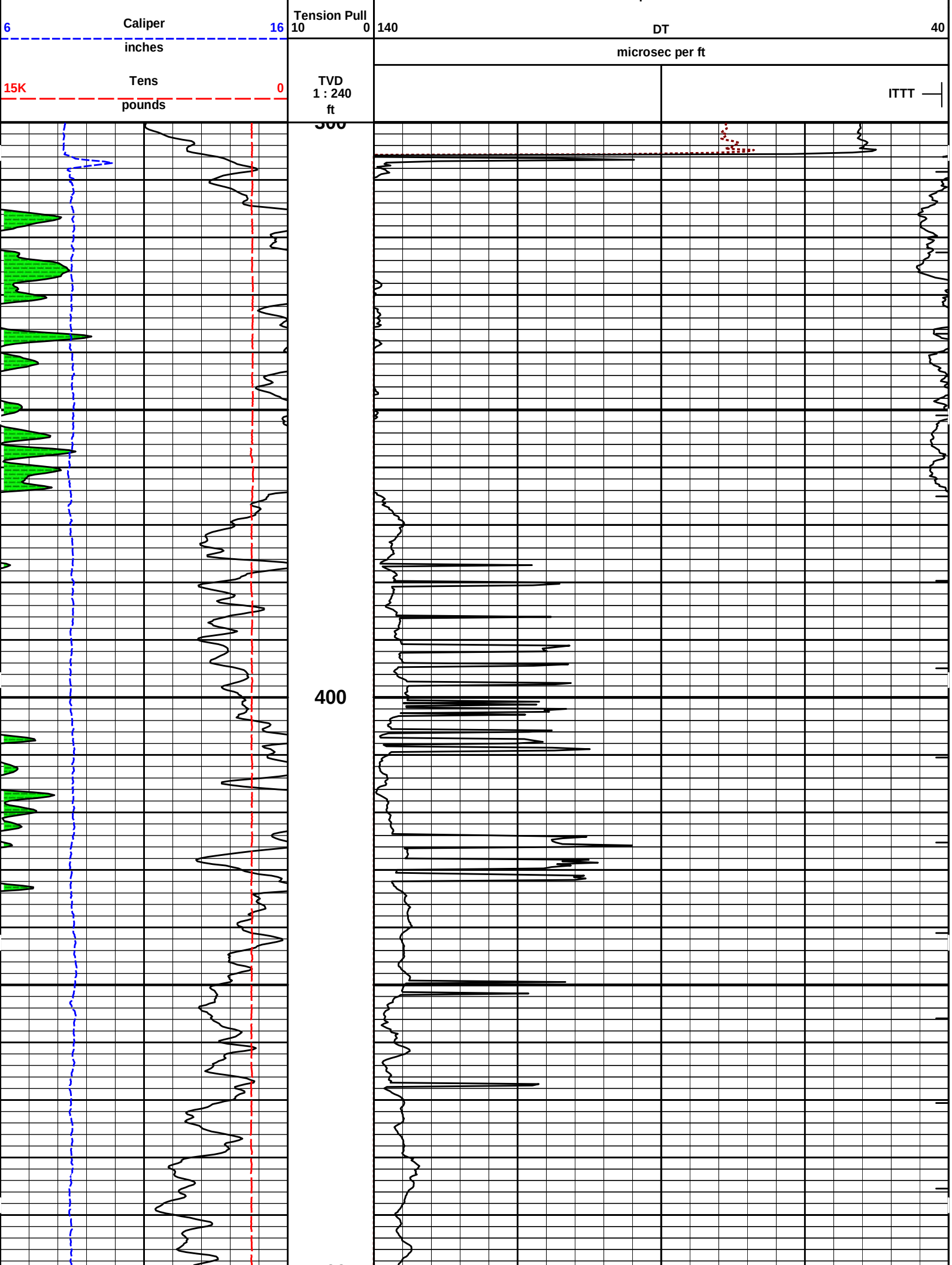
Plot Time: 10-Jan-15 19:31:42
Plot Range: 299.98 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\MAIN\
Plot File: \\TVD PLOT\BSAT_5_MAIN_LIB

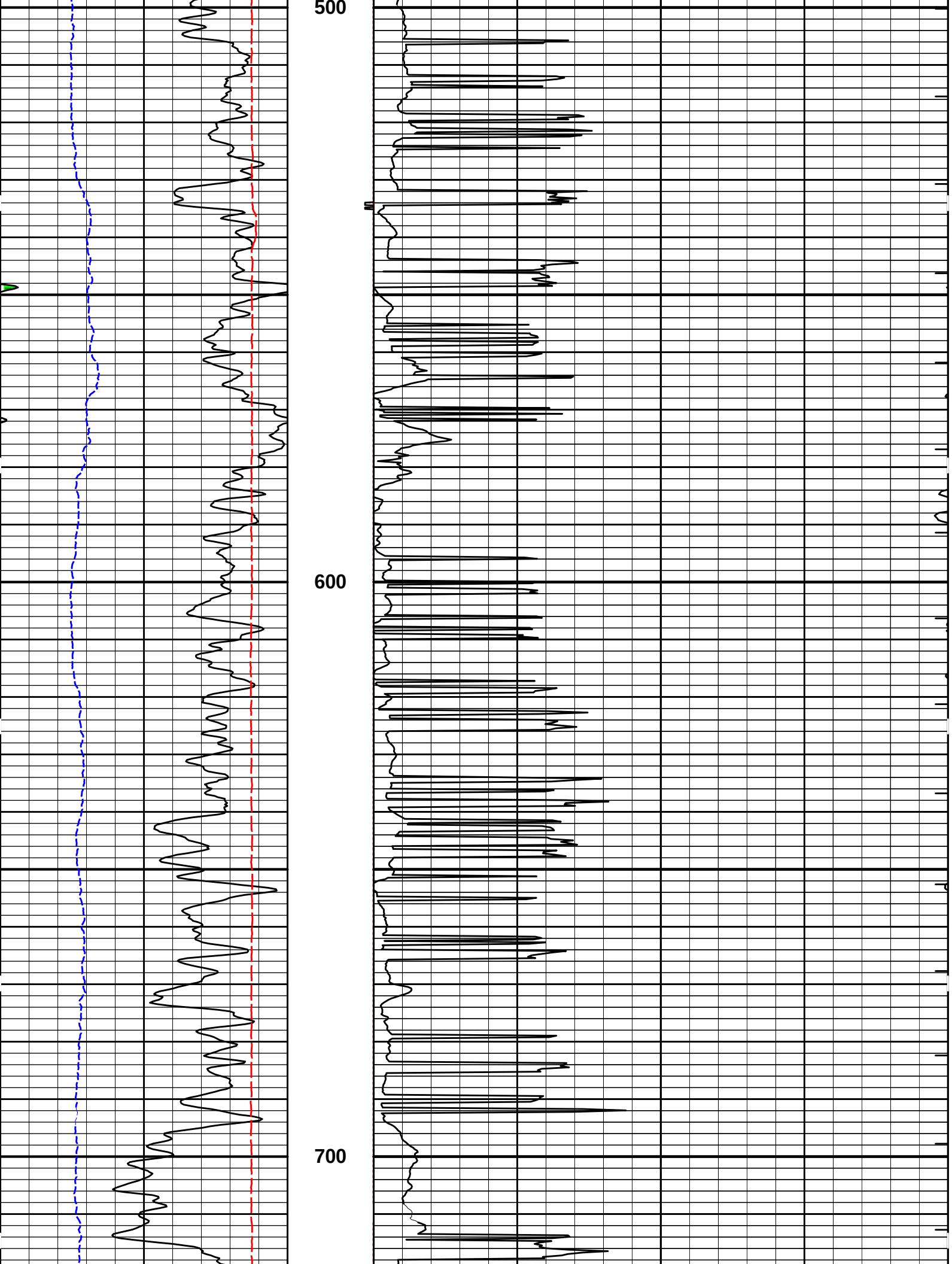
5 INCH MAIN LOG

SHALE
0 Gamma API 150
api

Tension Pull

30 Acou Porosity -10
percent


6
Caliper
16
inches
15K
Tens
0
pounds
Tension Pull
10
0
TVD
1 : 240
ft
140
DT
40
microsec per ft
ITTT
400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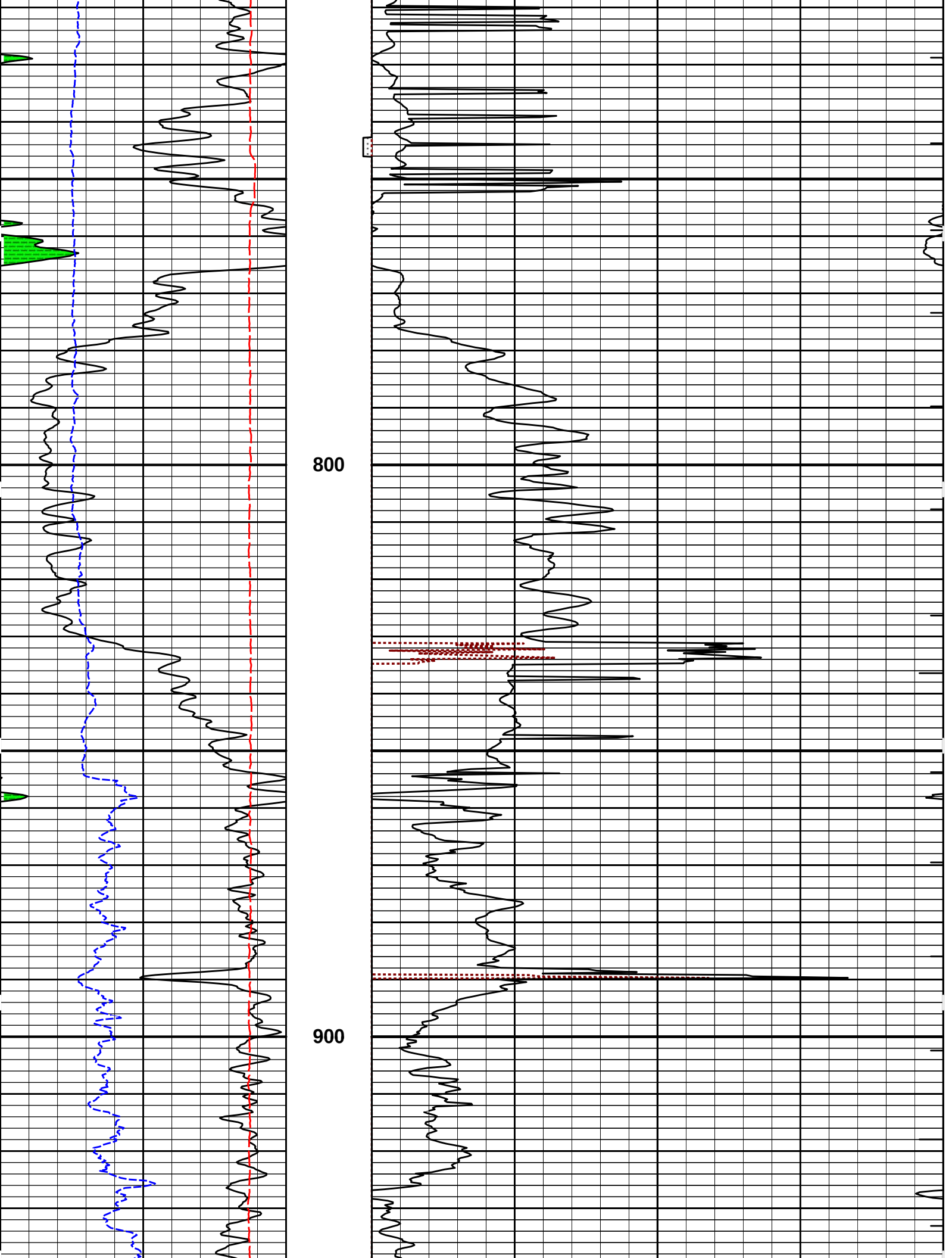
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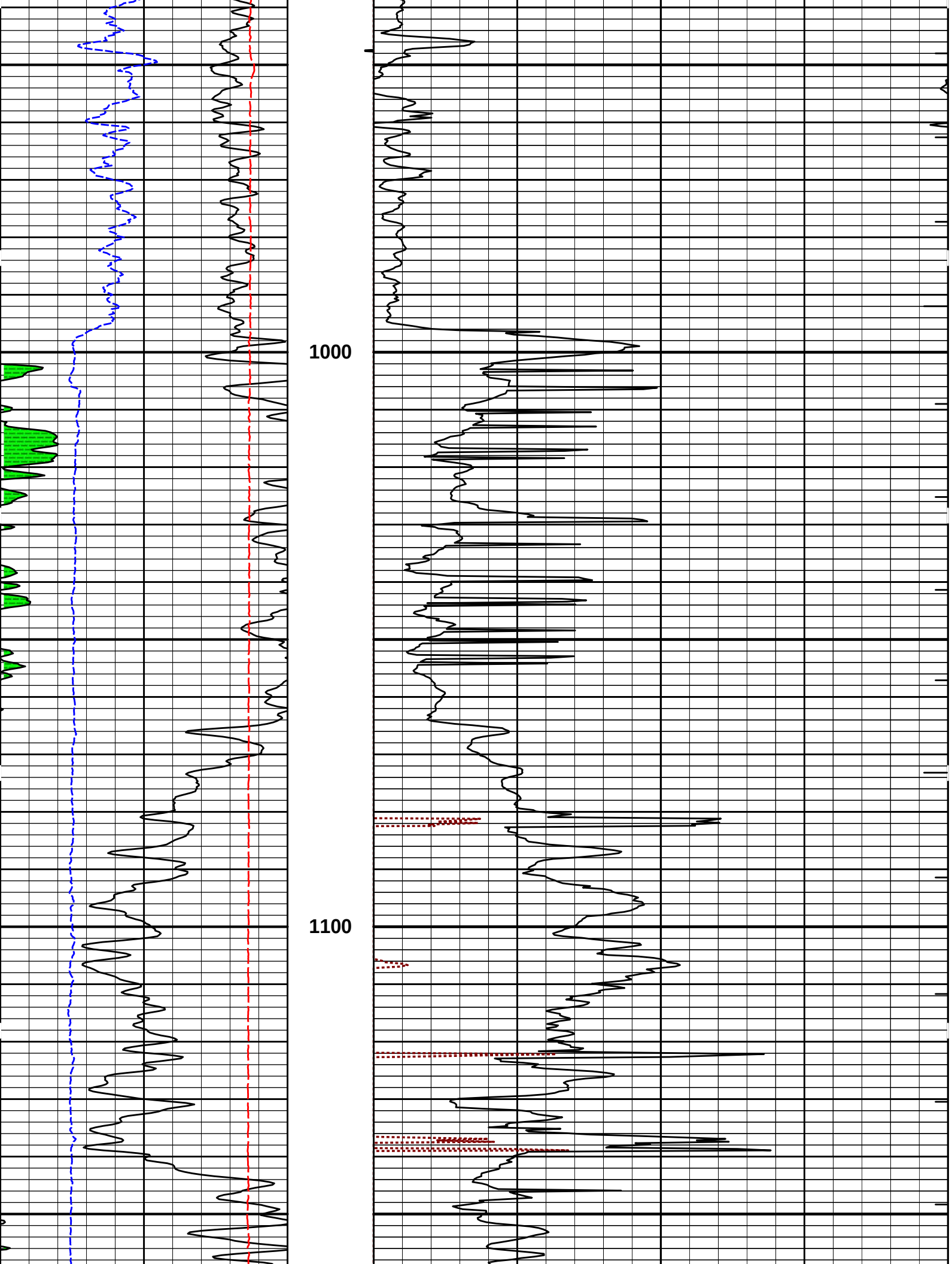
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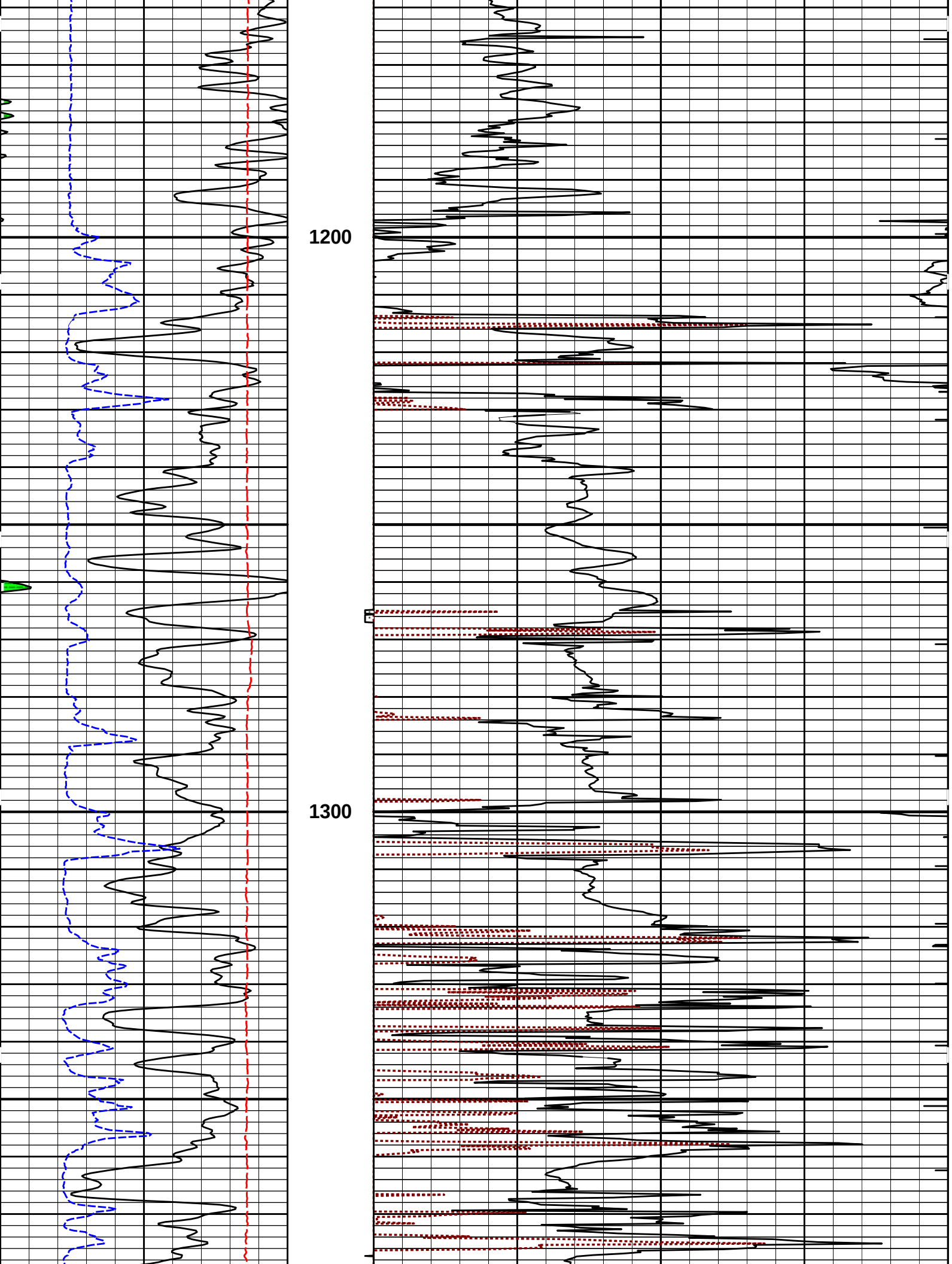
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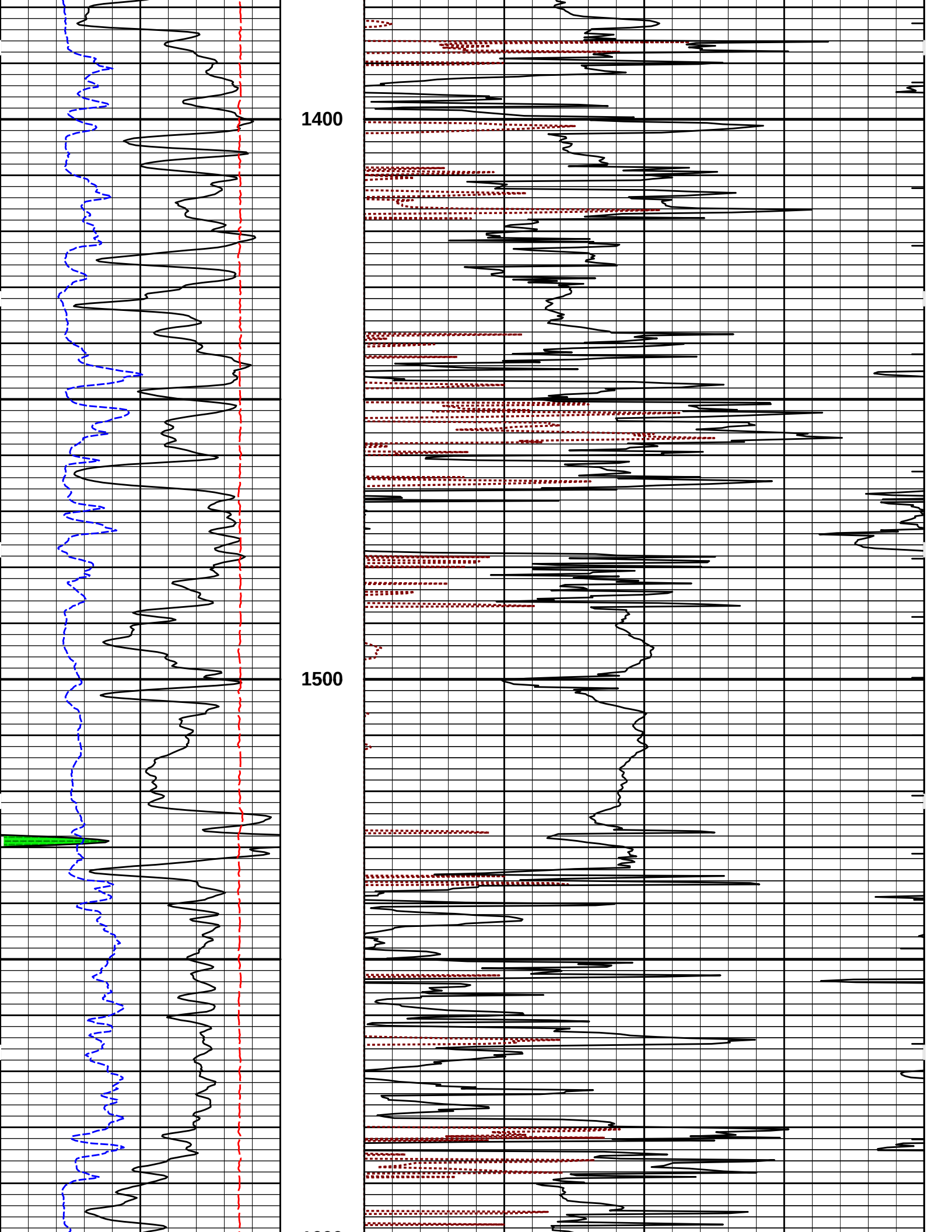
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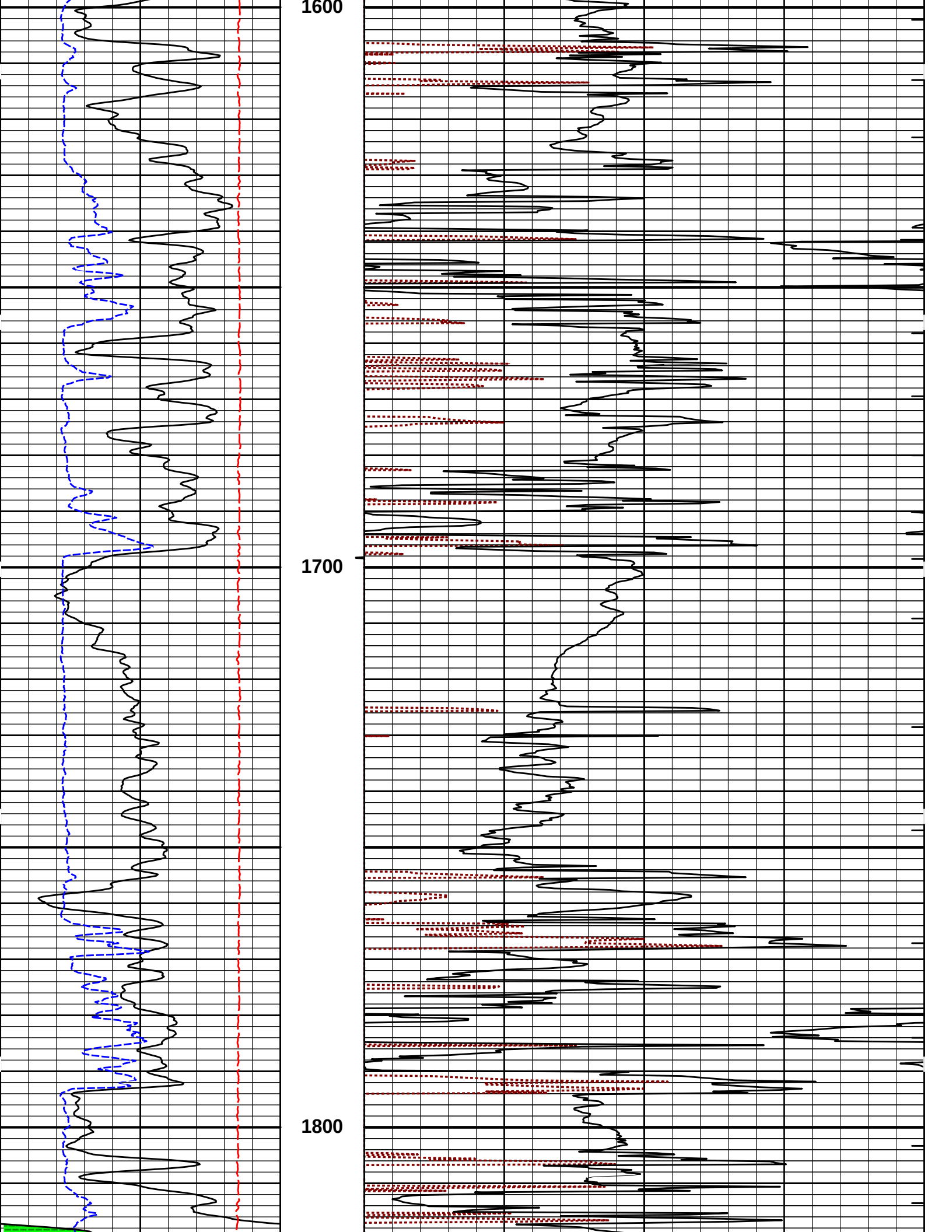
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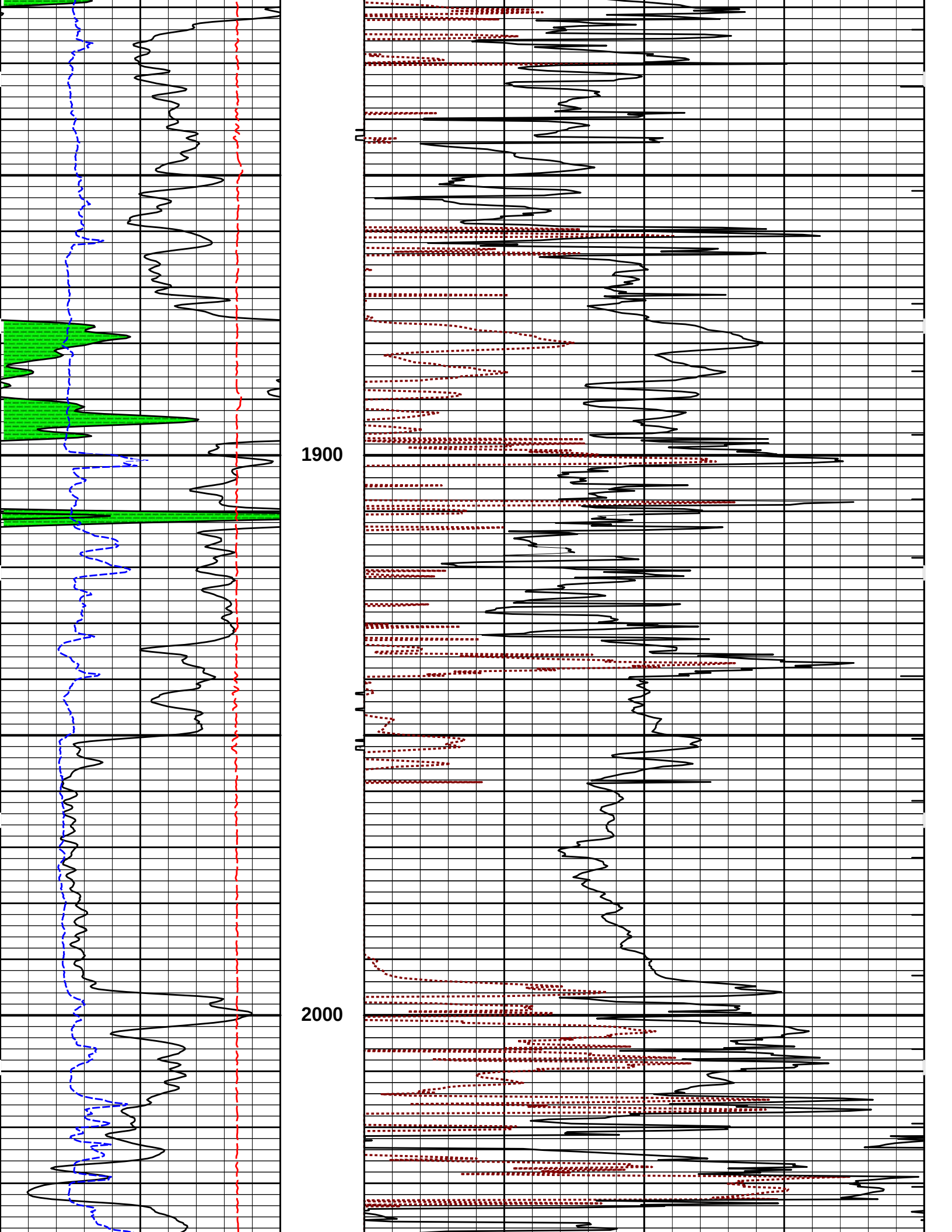
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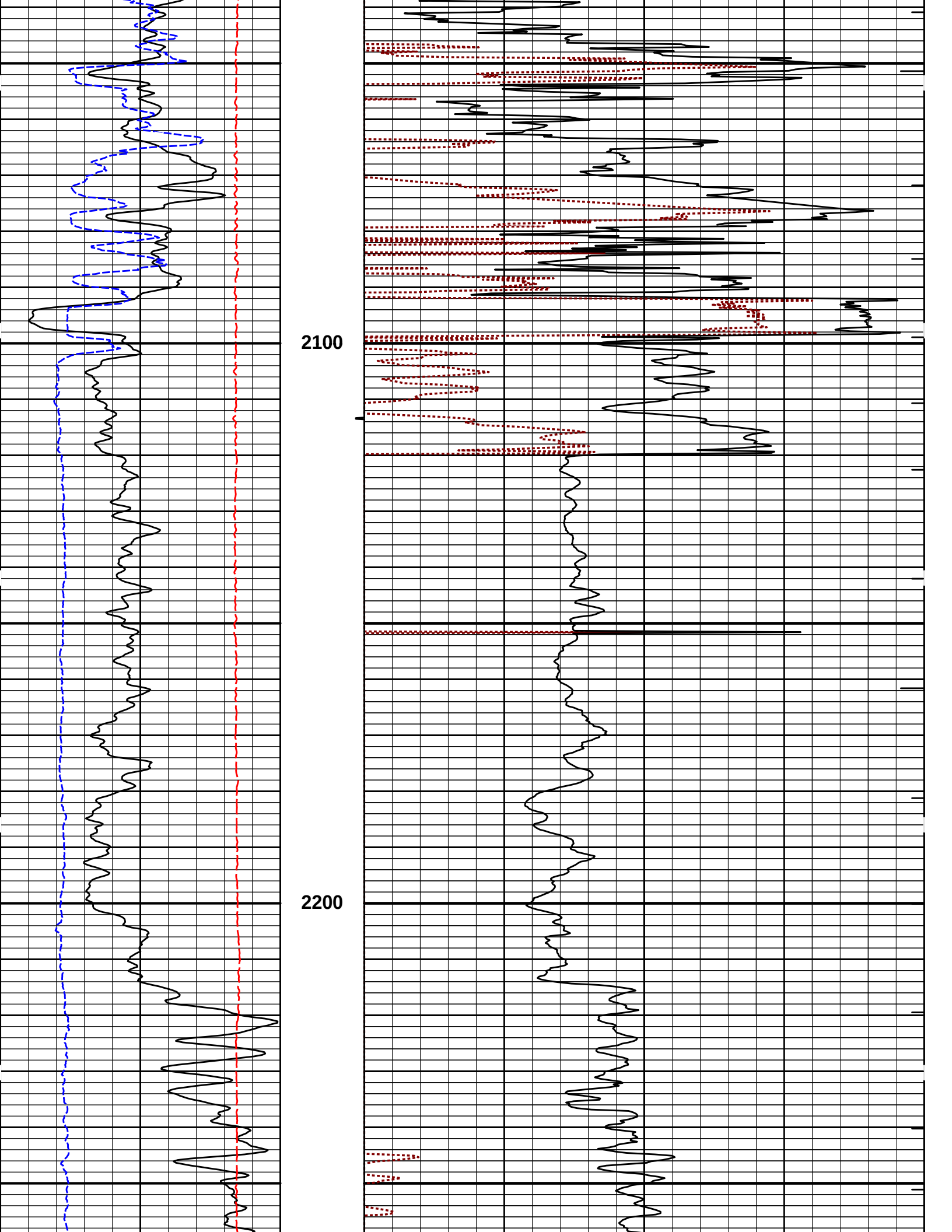
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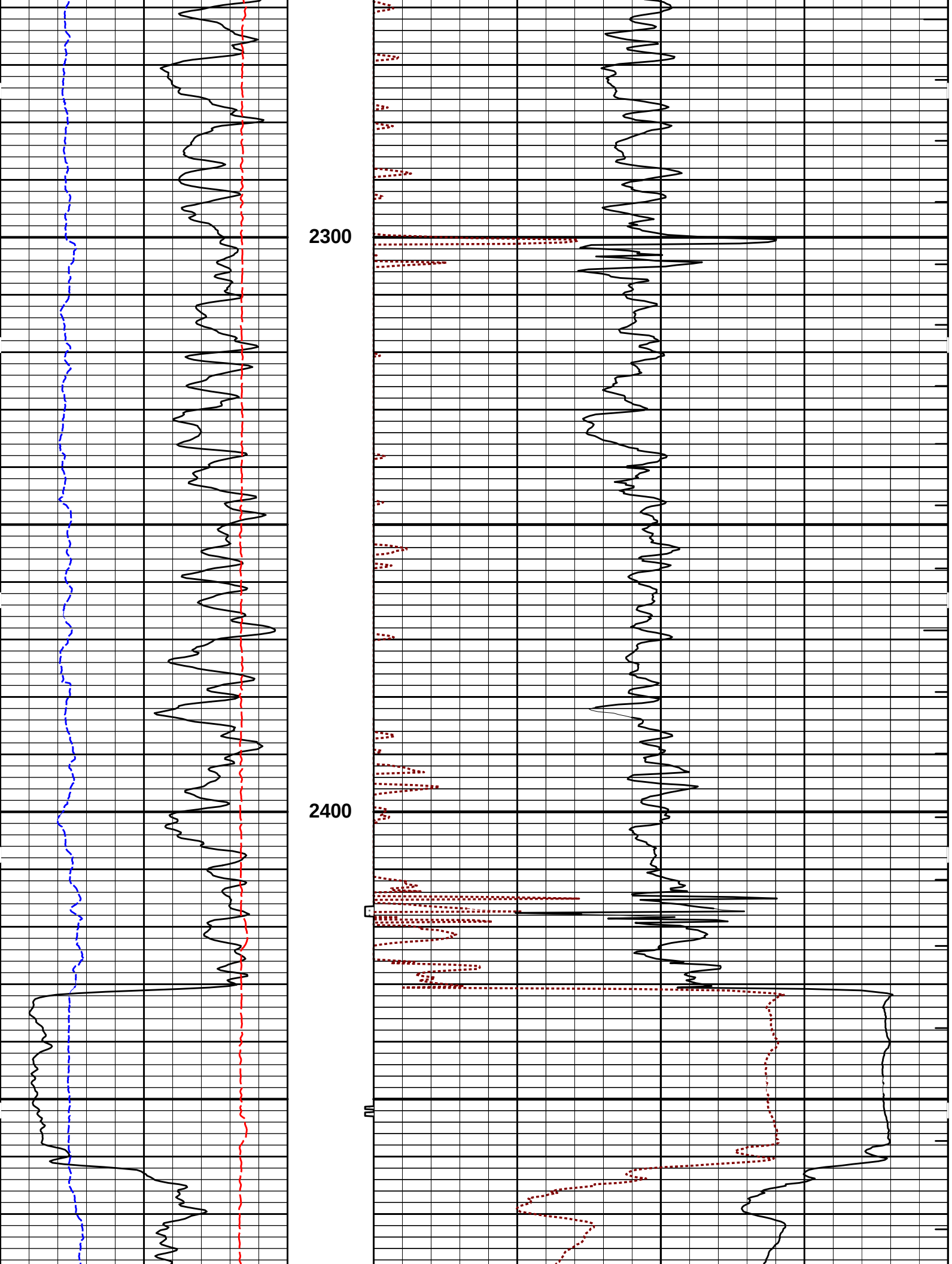
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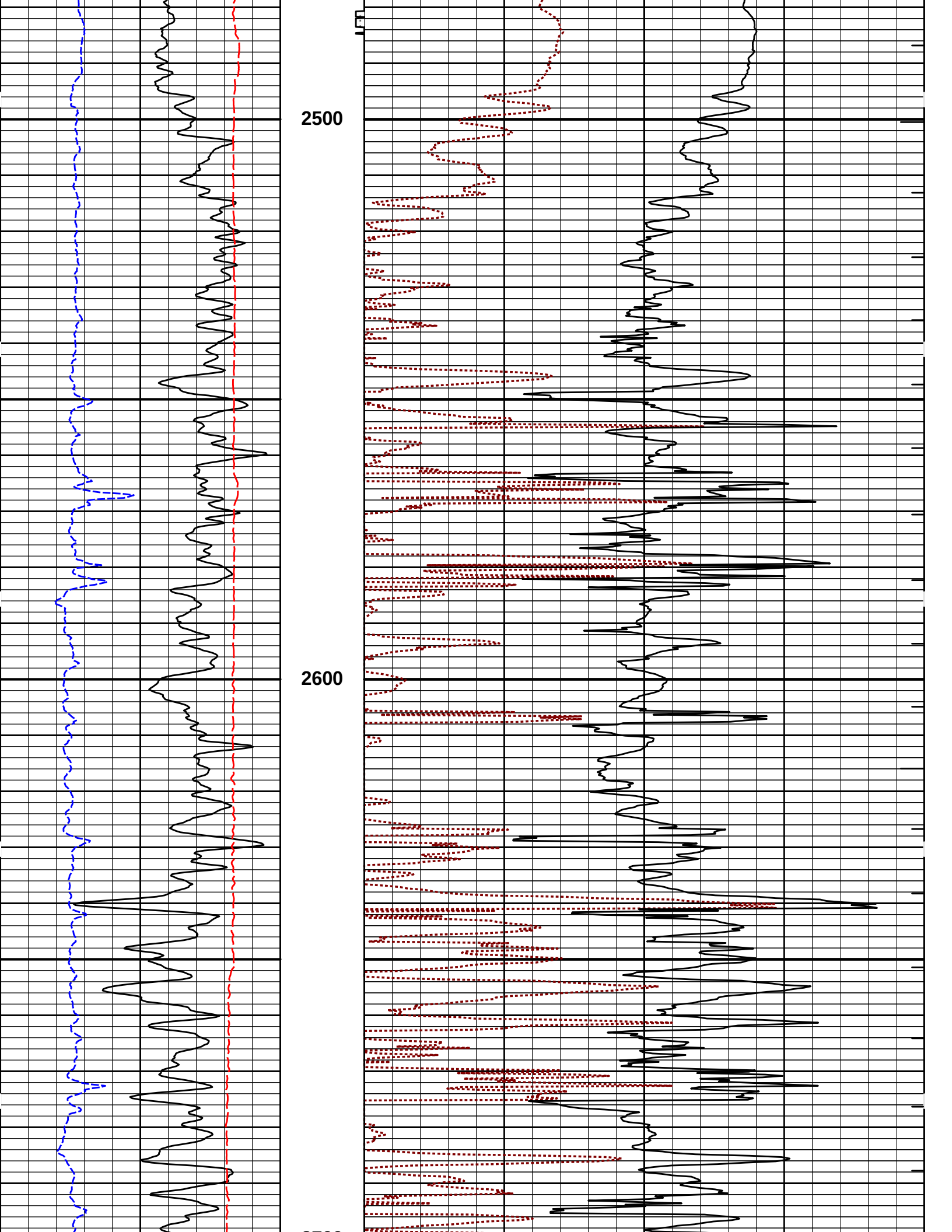
2500
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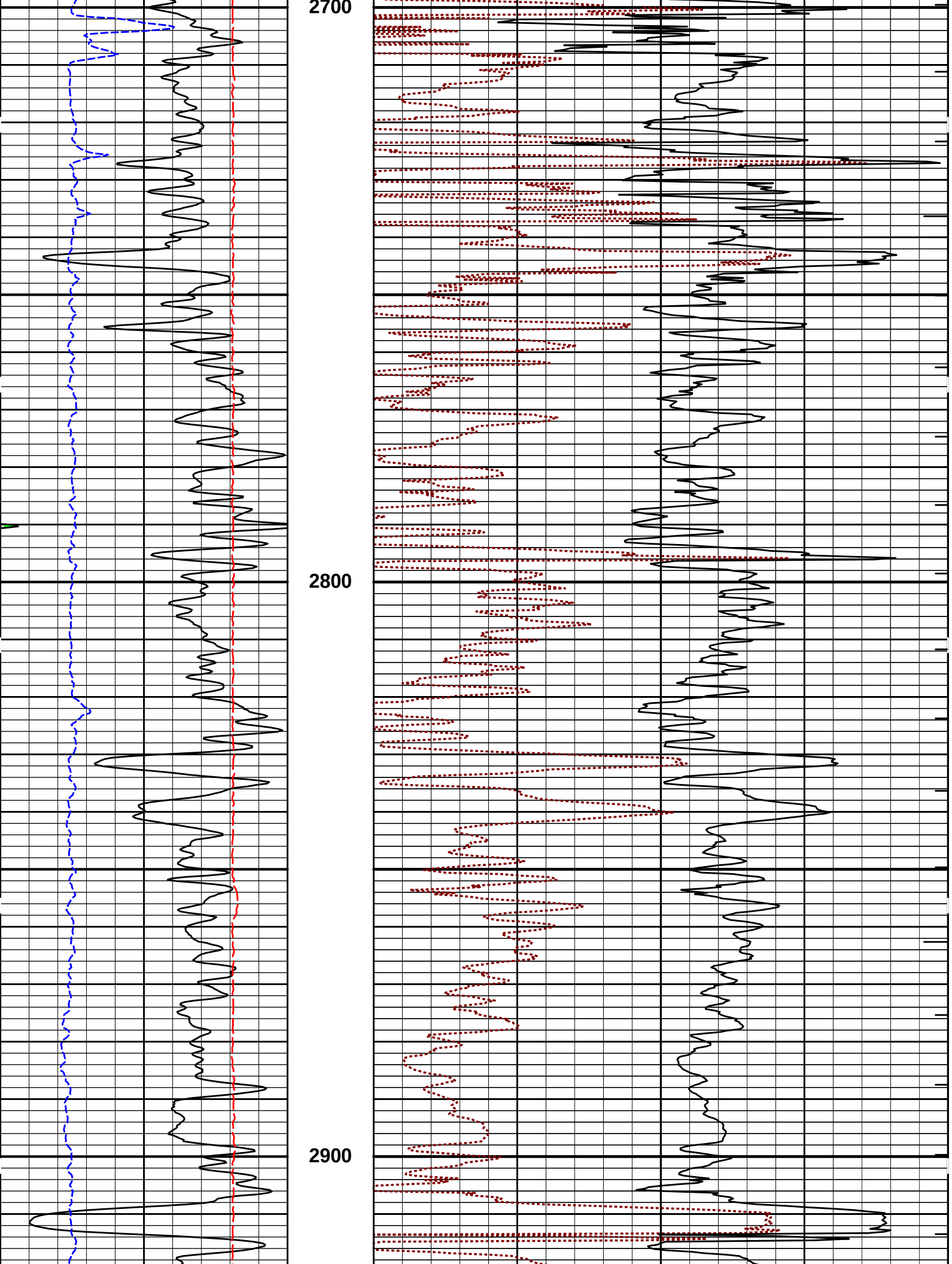
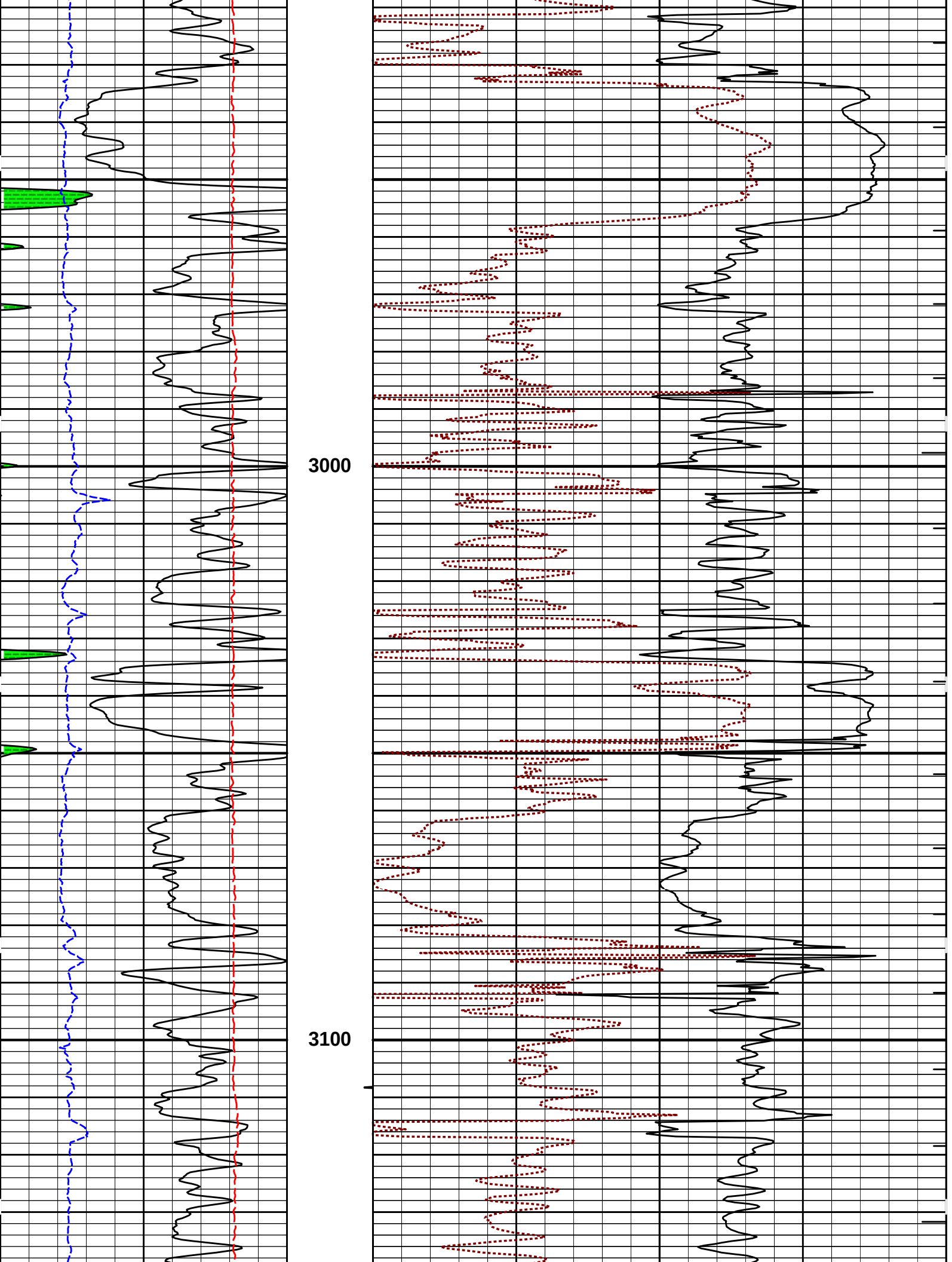

2700
2800
2900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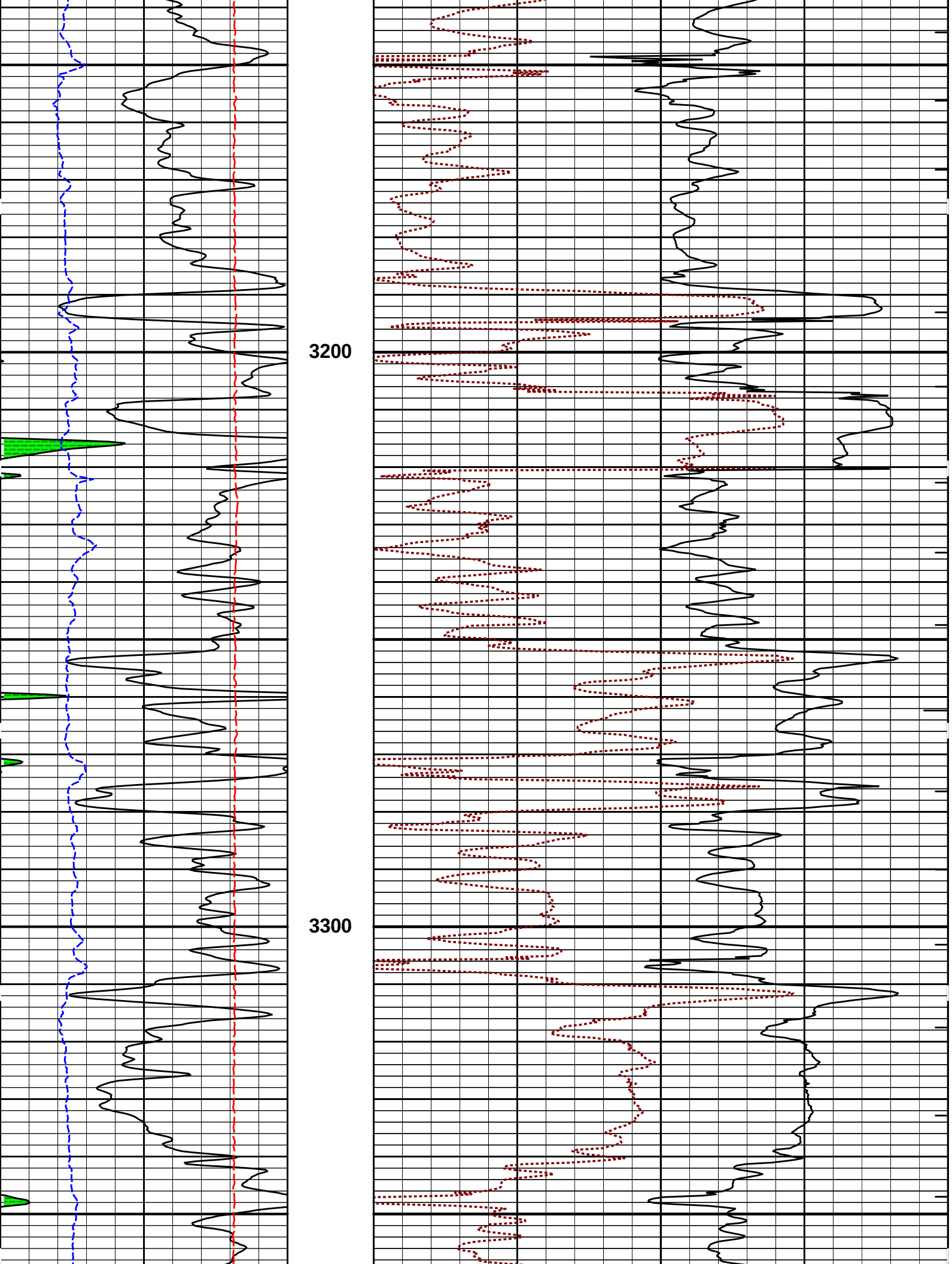
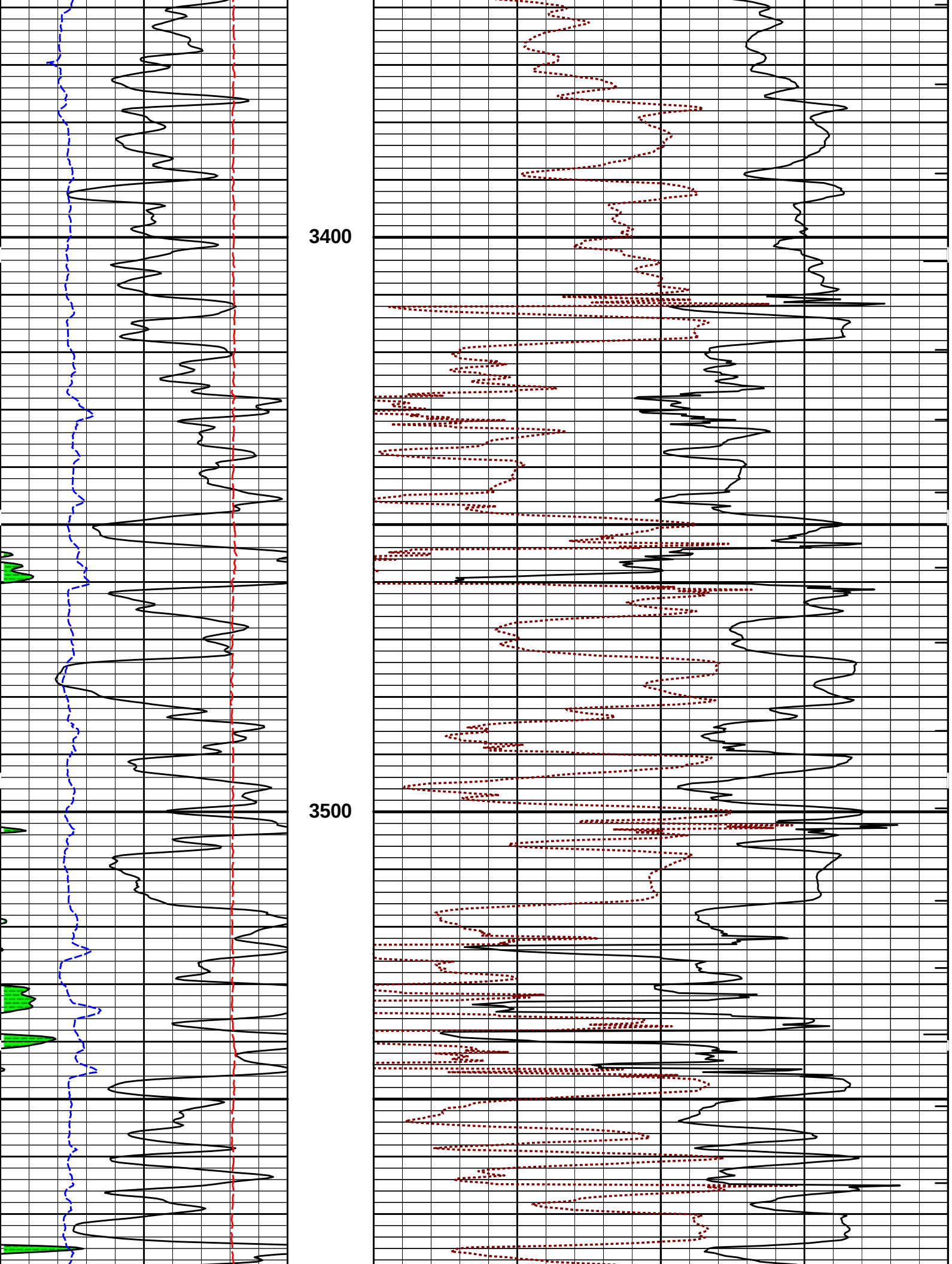
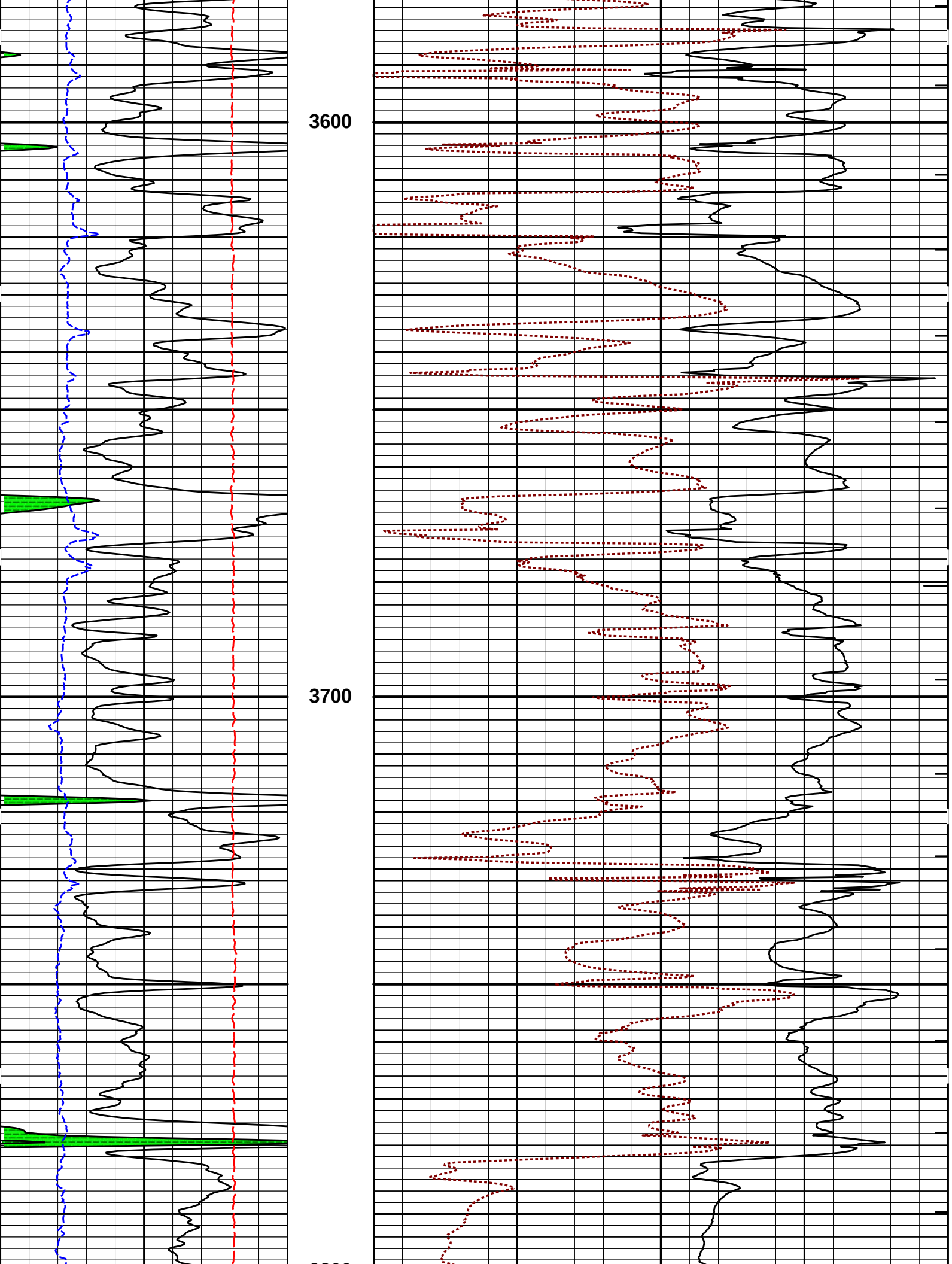
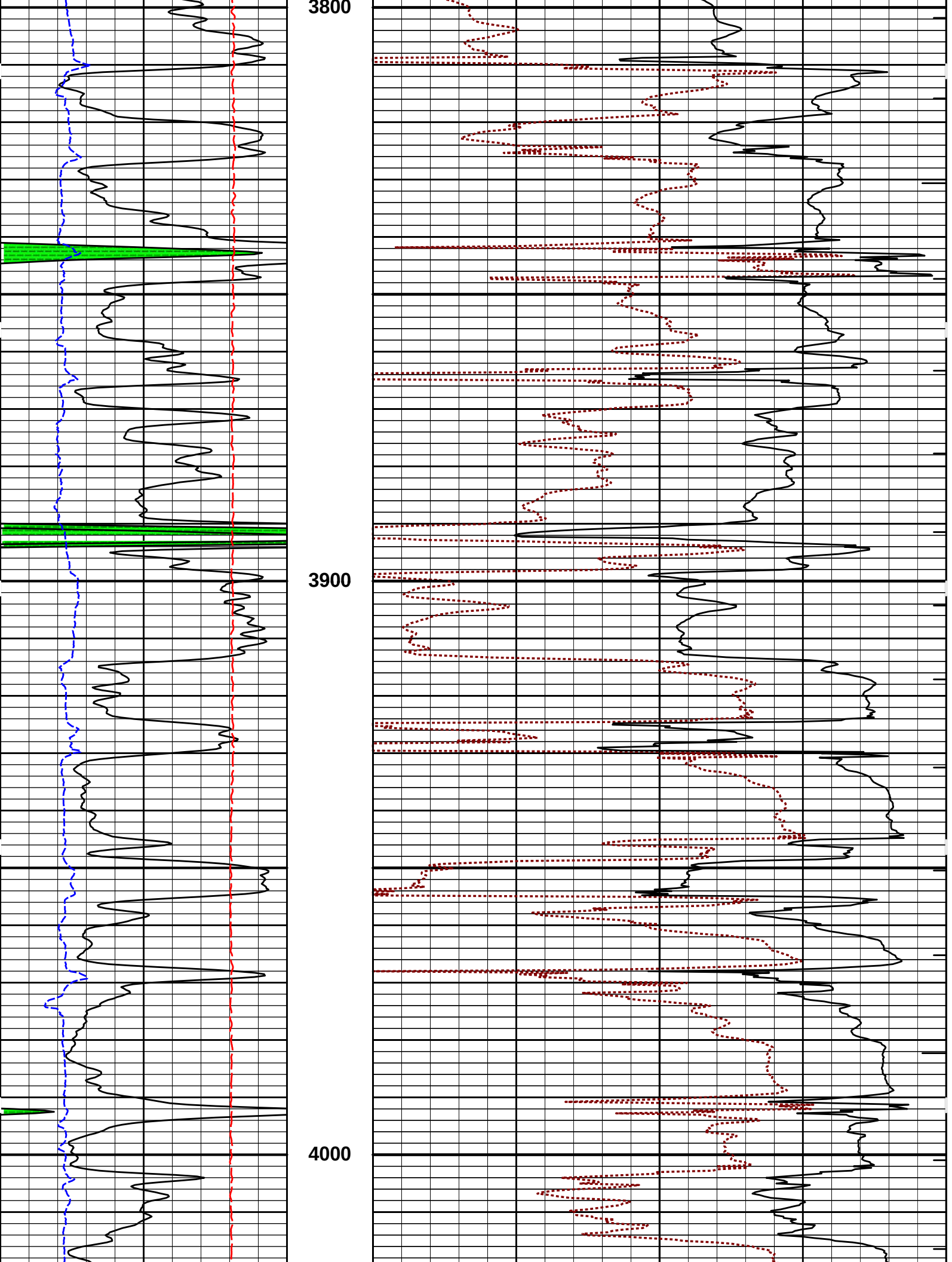

3200
3300


3400
3500


3600
3700


3800
3900
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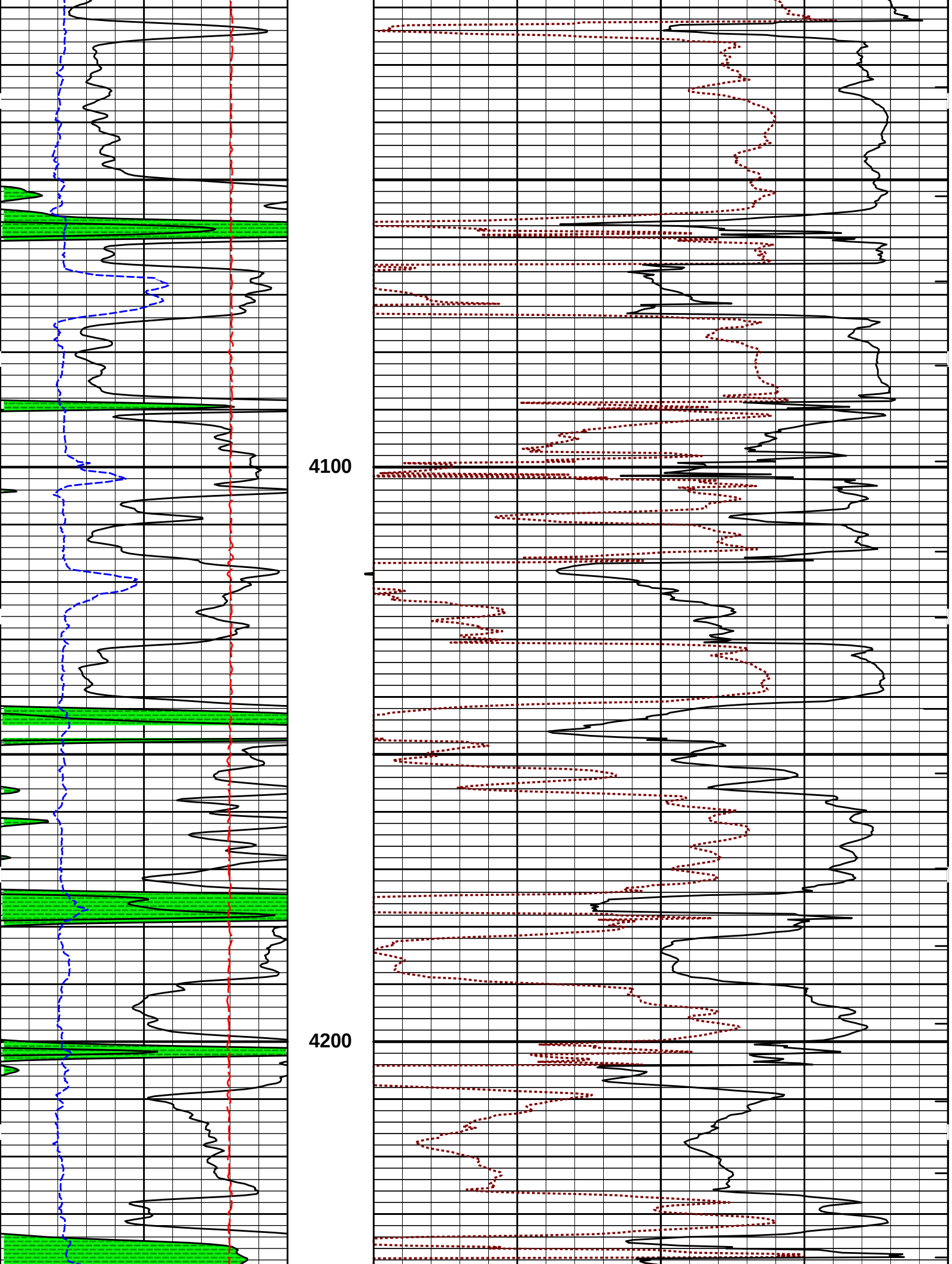
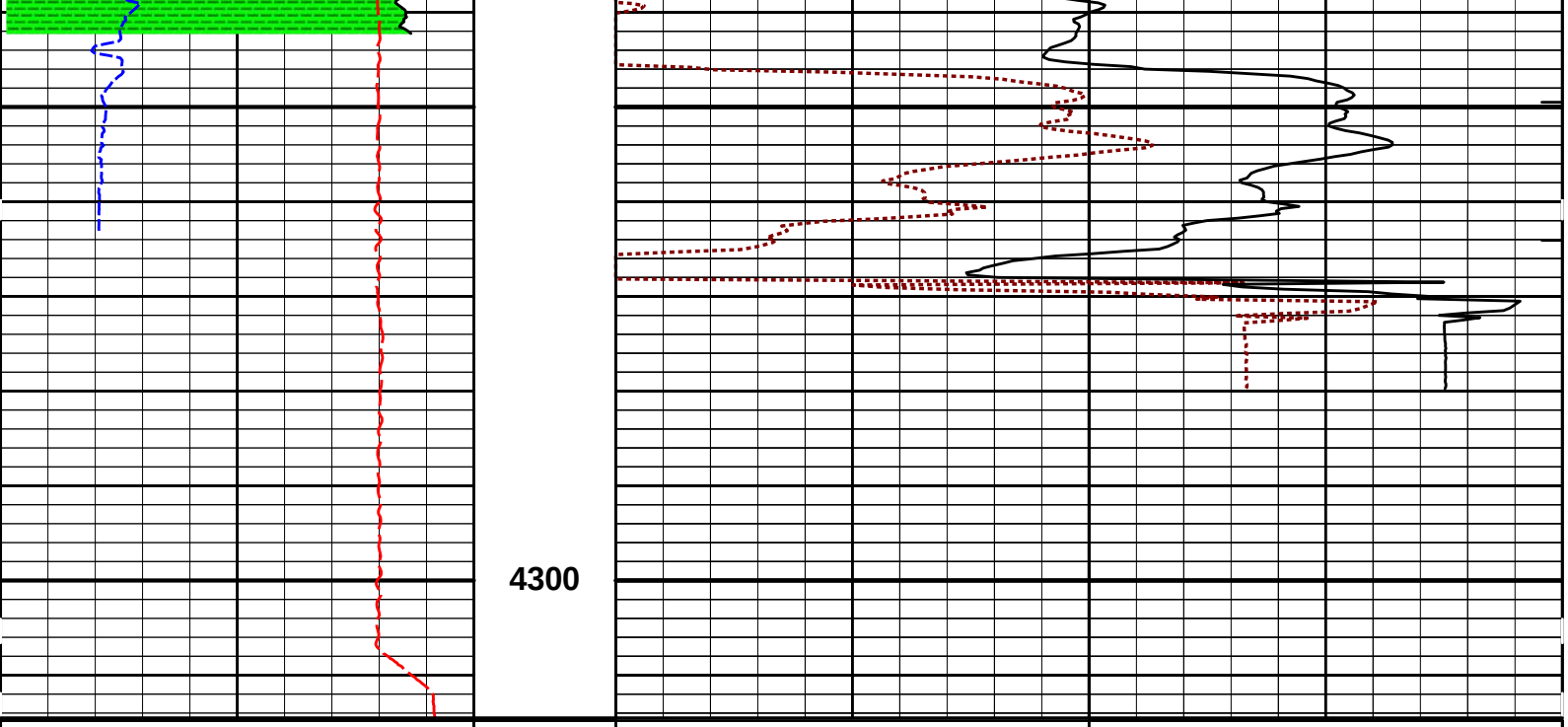

4100
4200



15K Tens 0
pounds
6 Caliper 16
inches
0 Gamma API 150
api
SHALE

TVD
1 : 240
ft
Tension Pull
10 0
Tension Pull

ITTT
140 DT 40
microsec per ft
30 Acou Porosity -10
percent

HALLIBURTON

Plot Time: 10-Jan-15 19:31:45
Plot Range: 299.98 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\MAIN\
Plot File: \\TVD PLOT\BSAT_5_MAIN_LIB

5 INCH MAIN LOG

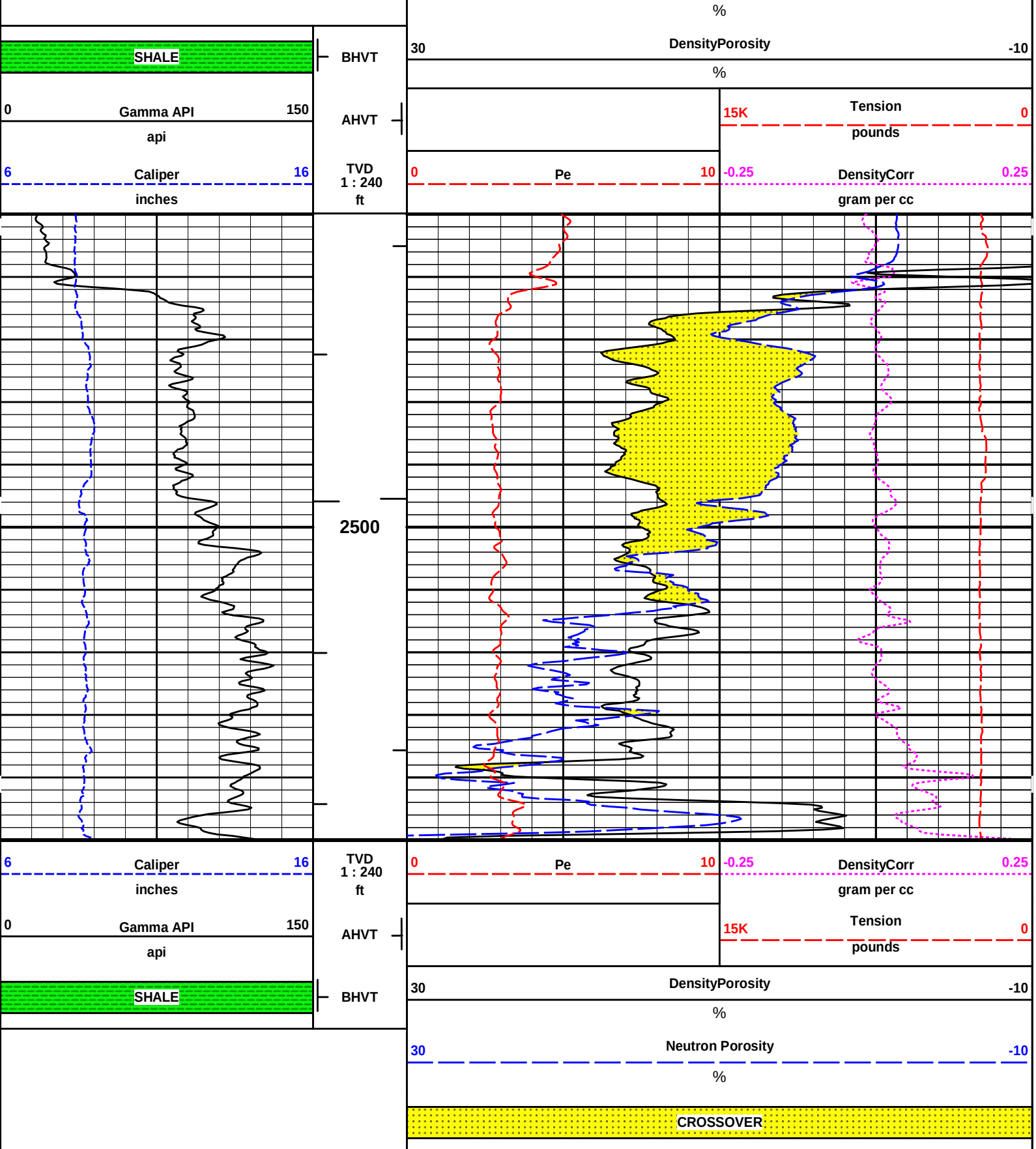
HALLIBURTON

Plot Time: 10-Jan-15 19:31:45
Plot Range: 2449.84 ft to 2549.84 ft
Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\TVD PLOT\Poro_IQ_5_MAIN_LIB

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

CROSSOVER
30 Neutron Porosity -10



HALLIBURTON

Plot Time: 10-Jan-15 19:31:46
Plot Range: 2449.84 ft to 2549.84 ft
Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\TVD PLOT\Poro_IQ_5_MAIN_LIB

5 INCH MAIN LOG

MEASURED DEPTH

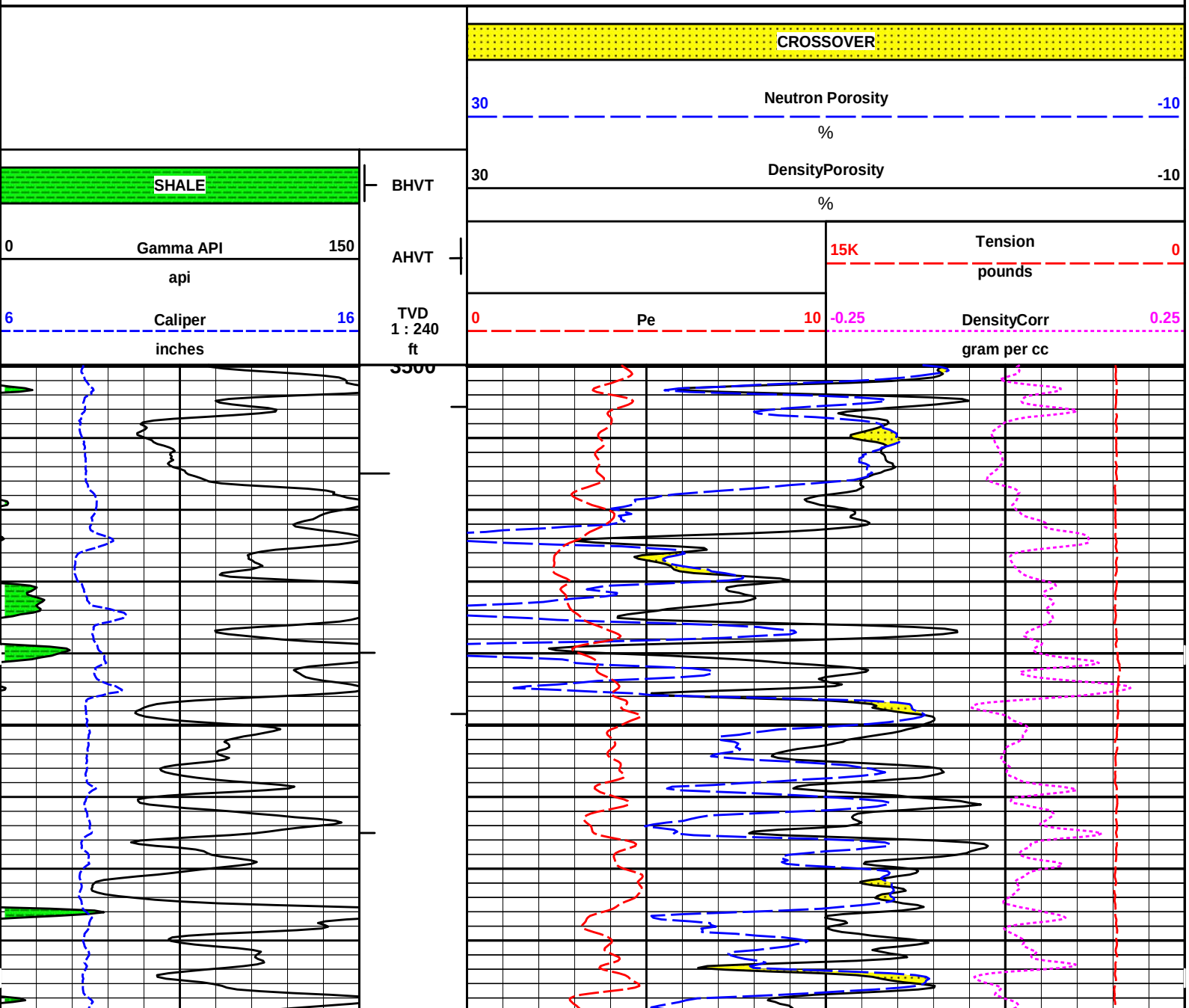
MEASURED DEPTH
MAIN SECTION 5" PER 100'

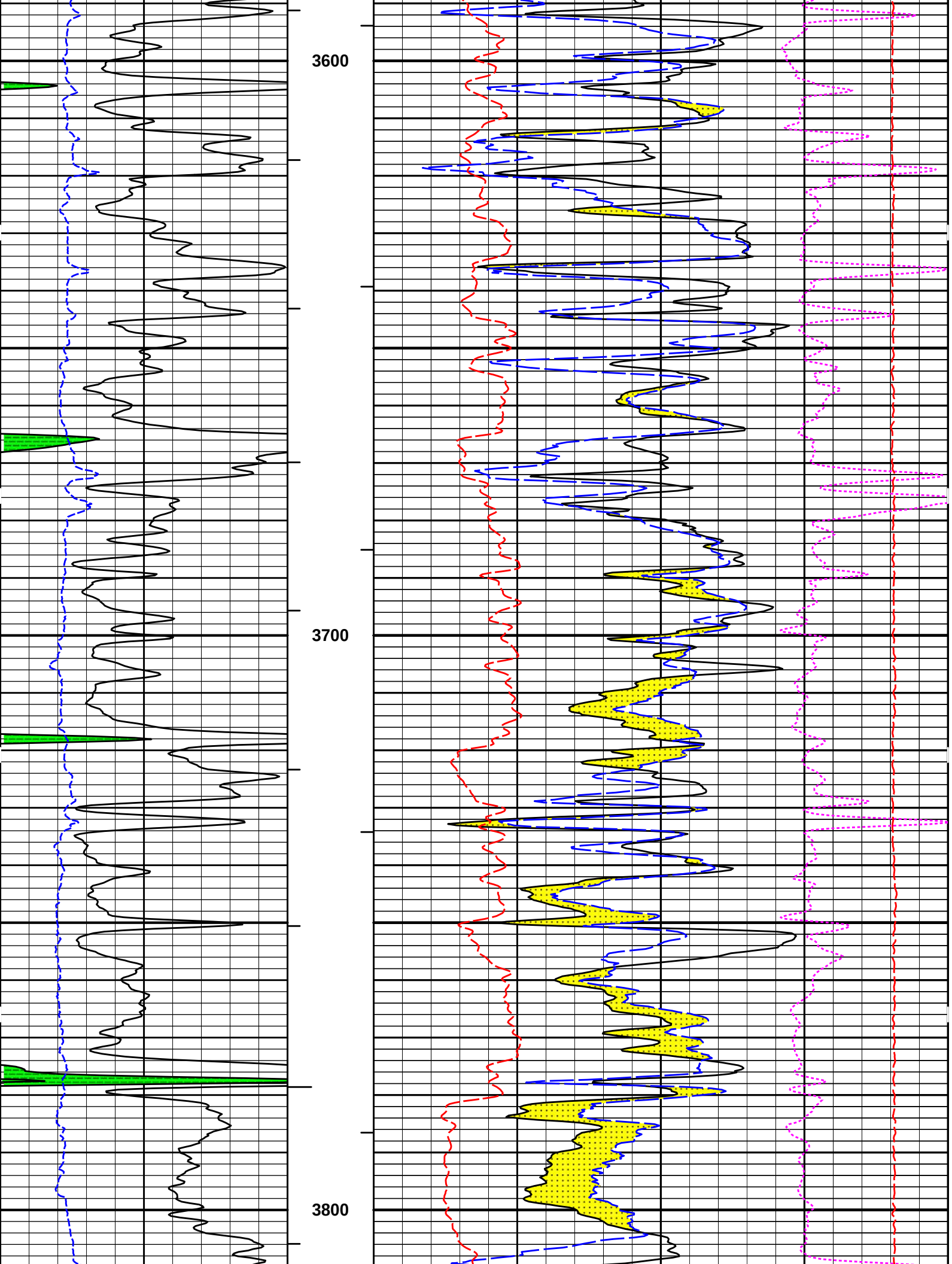
HALLIBURTON

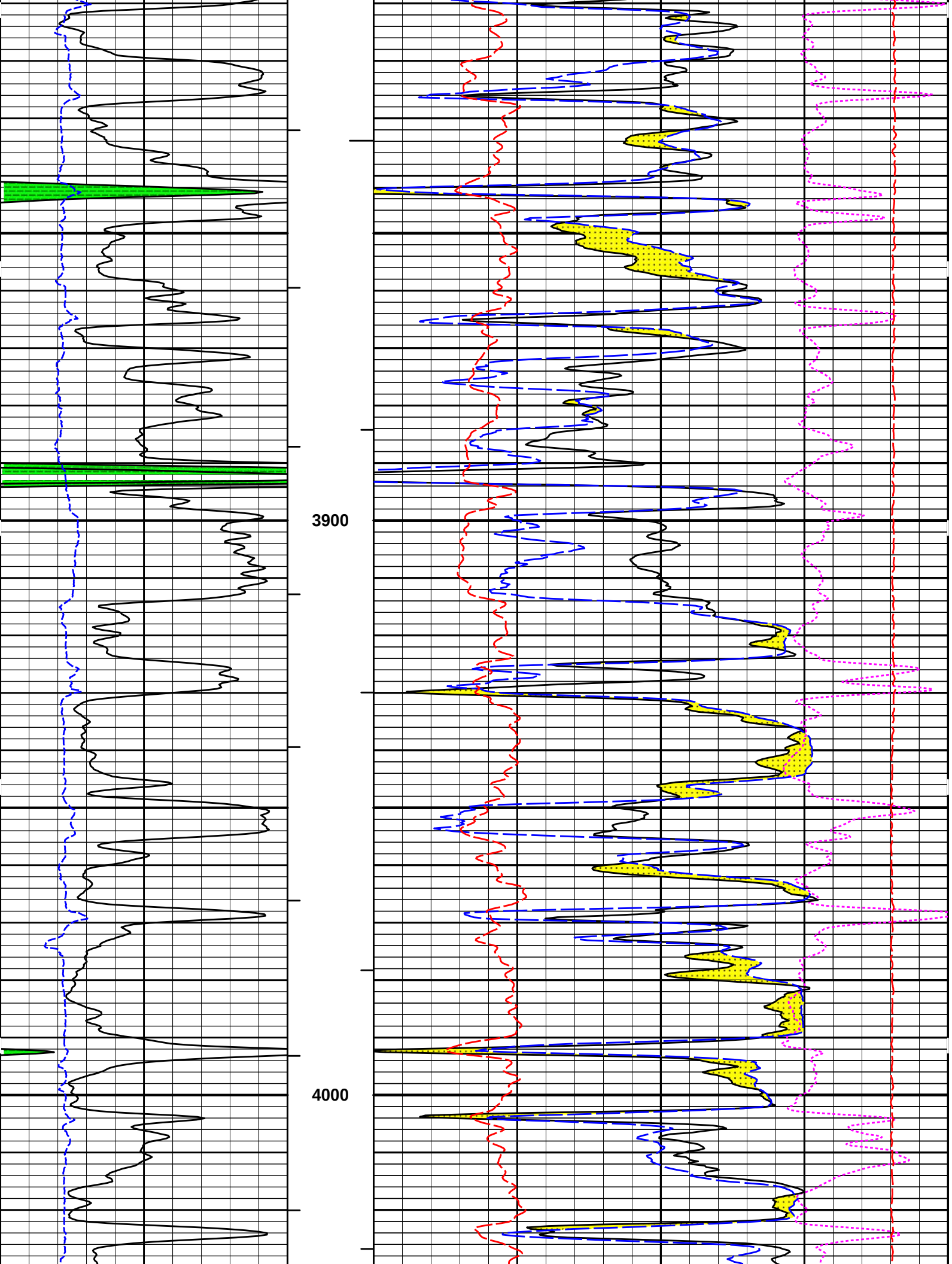
Plot Time: 10-Jan-15 19:31:47
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\TVD PLOT\Poro_IQ_5_MAIN_LIB

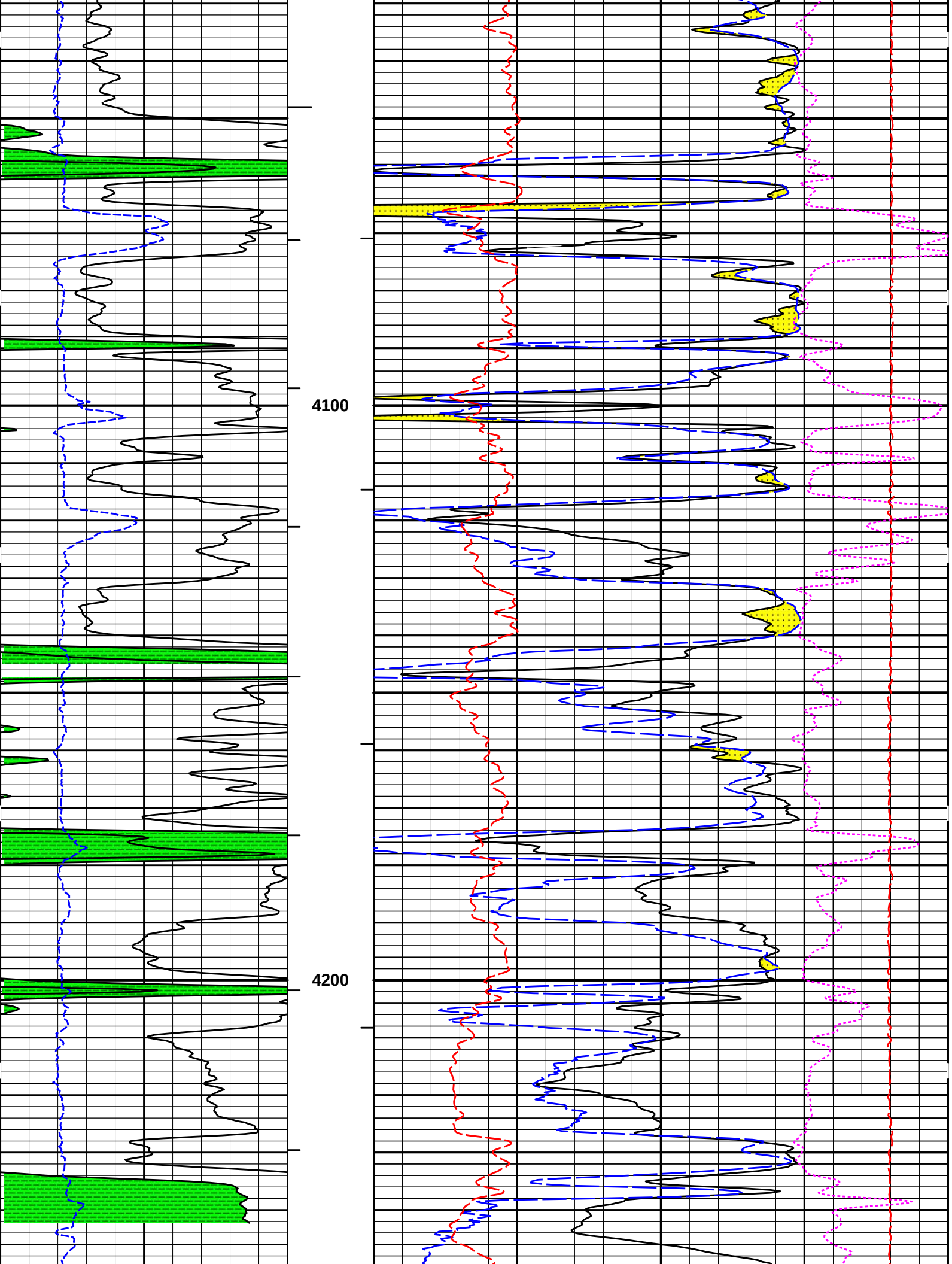
5 INCH MAIN LOG

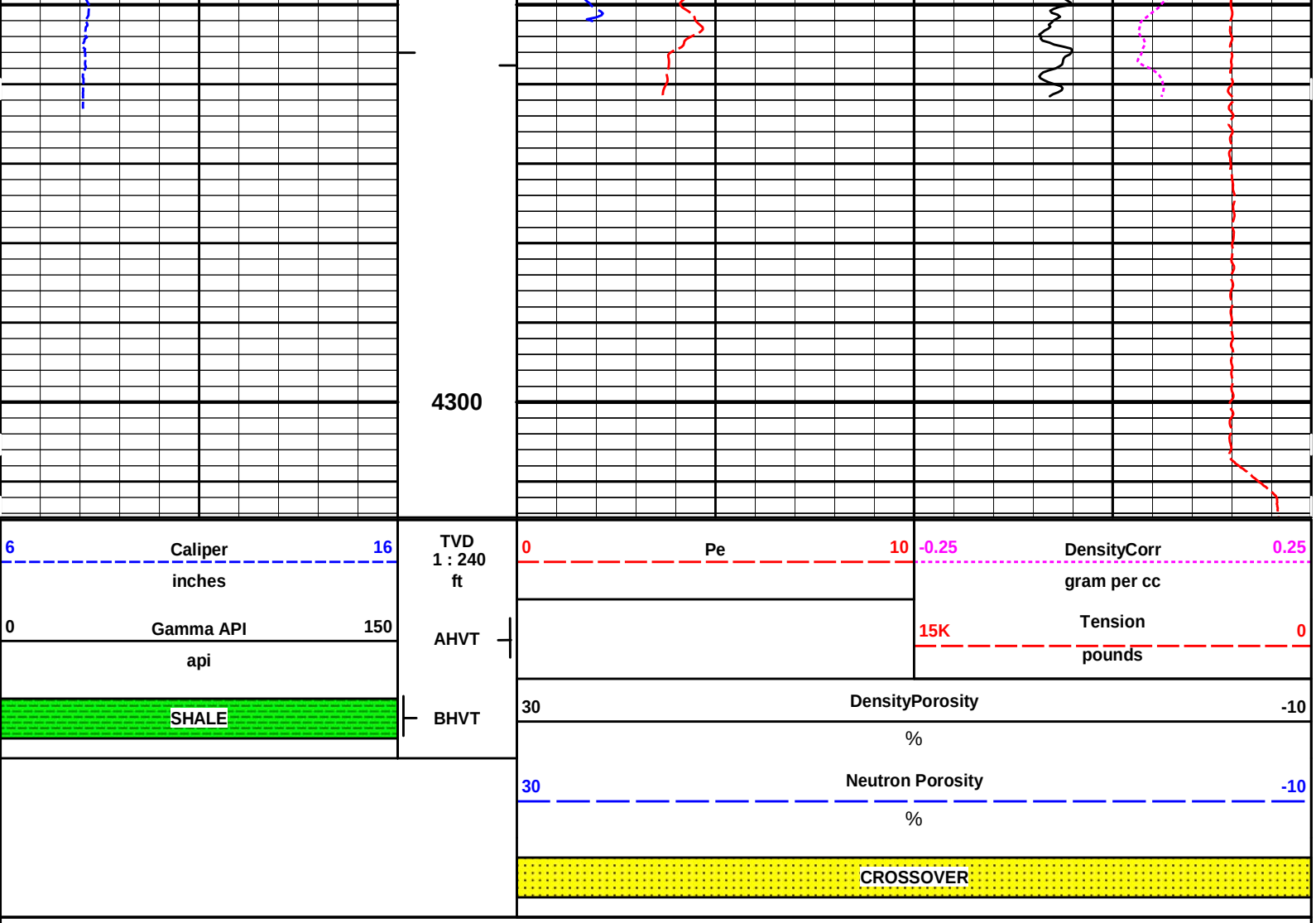
MEASURED DEPTH
MAIN SECTION 5" PER 100'




3600
3700
3800


3900
4000


4100
4200



HALLIBURTON

Plot Time: 10-Jan-15 19:31:48
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\TVD PLOT\Poro_IQ_5_MAIN_LIB

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

HALLIBURTON

Plot Time: 10-Jan-15 19:31:48
Plot Range: 2449.84 ft to 2549.84 ft
Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

MEASURED DEPTH
MAIN SECTION 5" PER 100'

SHALE

0 Gamma Ray 150
api

18 FarQuality -2

-18 NearQuality 2

6 Caliper 16
inches

BHV
ft3

AHV
ft3

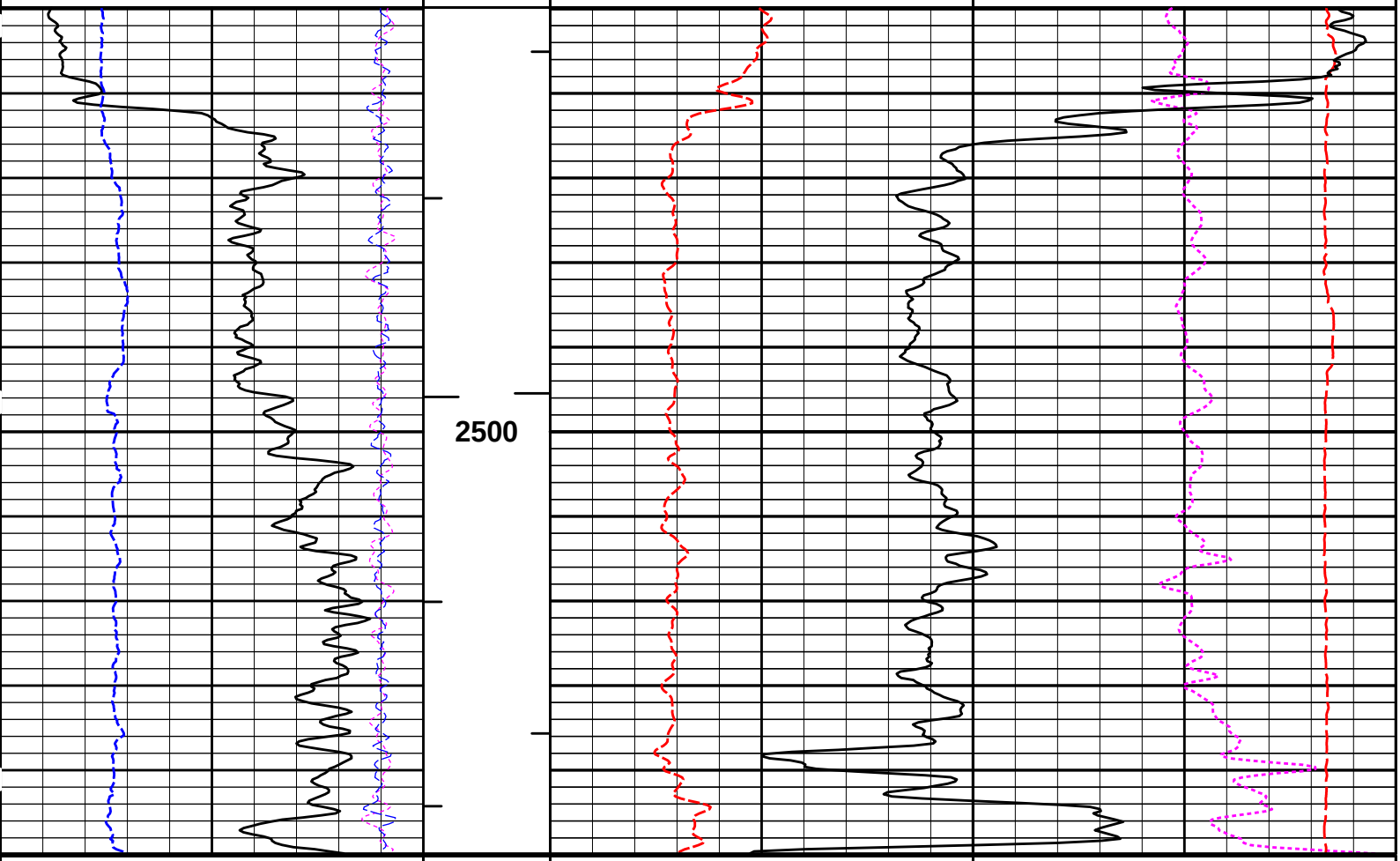
TVD
1 : 240
ft

2 Bulk Density 3
g/cc

15K Tension 0
pounds

0 Pe 10

-0.25 DensityCorr 0.25
g/cc



6 Caliper 16
inches

-18 NearQuality 2

18 FarQuality -2

0 Gamma Ray 150
api

SHALE

TVD
1 : 240
ft

0 Pe 10

-0.25 DensityCorr 0.25
g/cc

15K Tension 0
pounds

AHV
ft3

BHV
ft3

2 Bulk Density 3
g/cc

HALLIBURTON

Plot Time: 10-Jan-15 19:31:49
Plot Range: 2449.84 ft to 2549.84 ft

Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

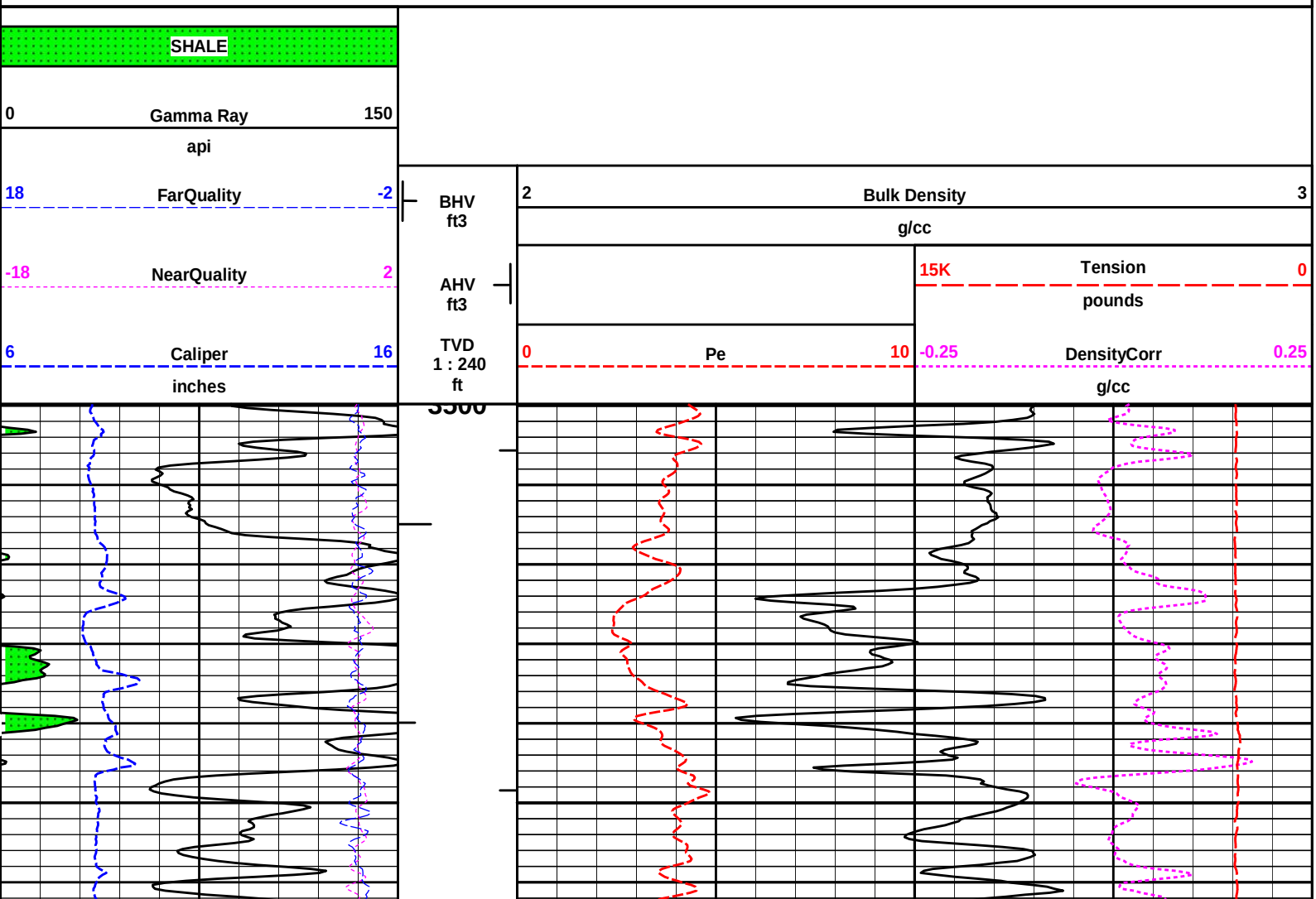
MEASURED DEPTH
MAIN SECTION 5" PER 100'

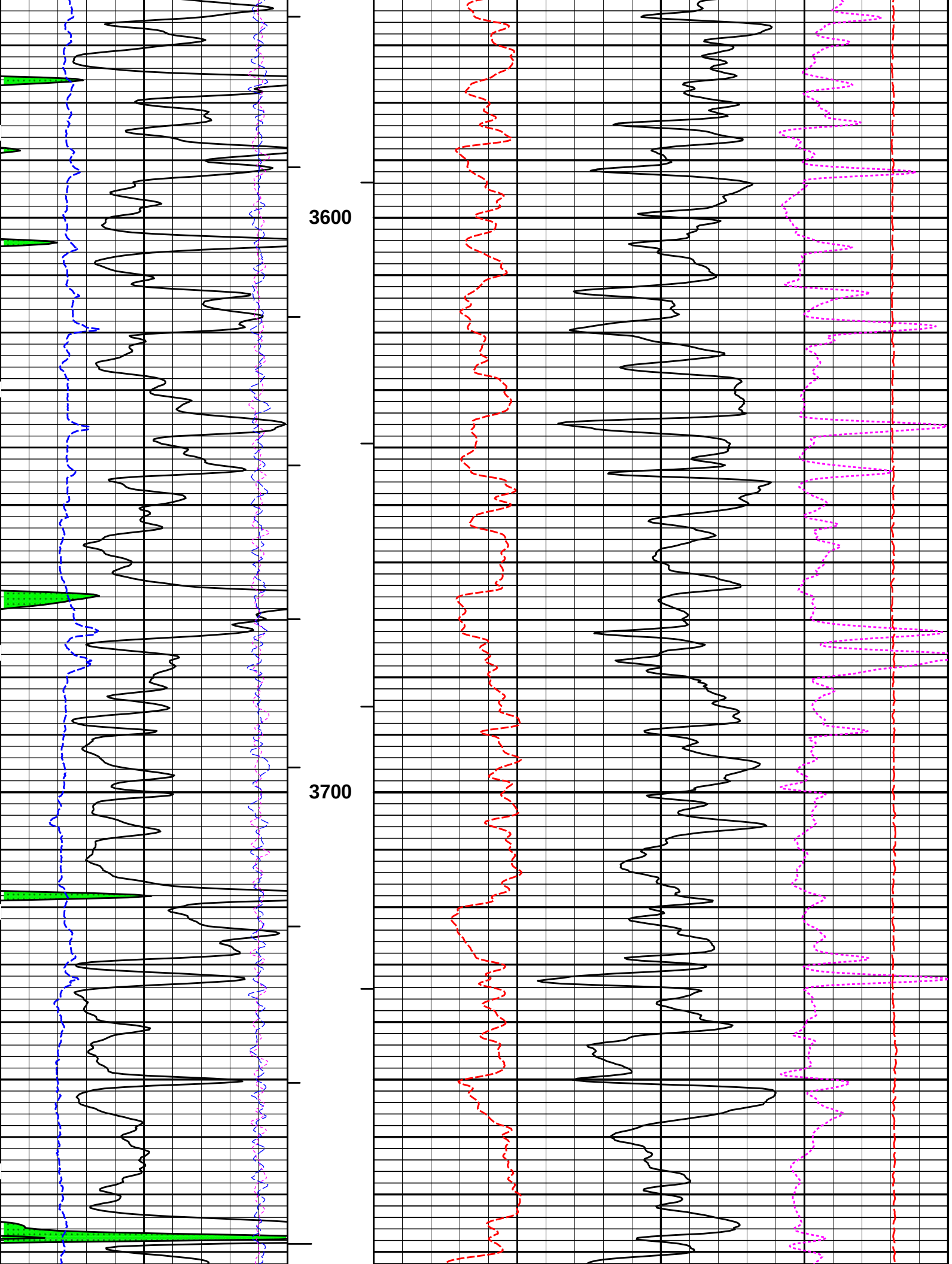
HALLIBURTON

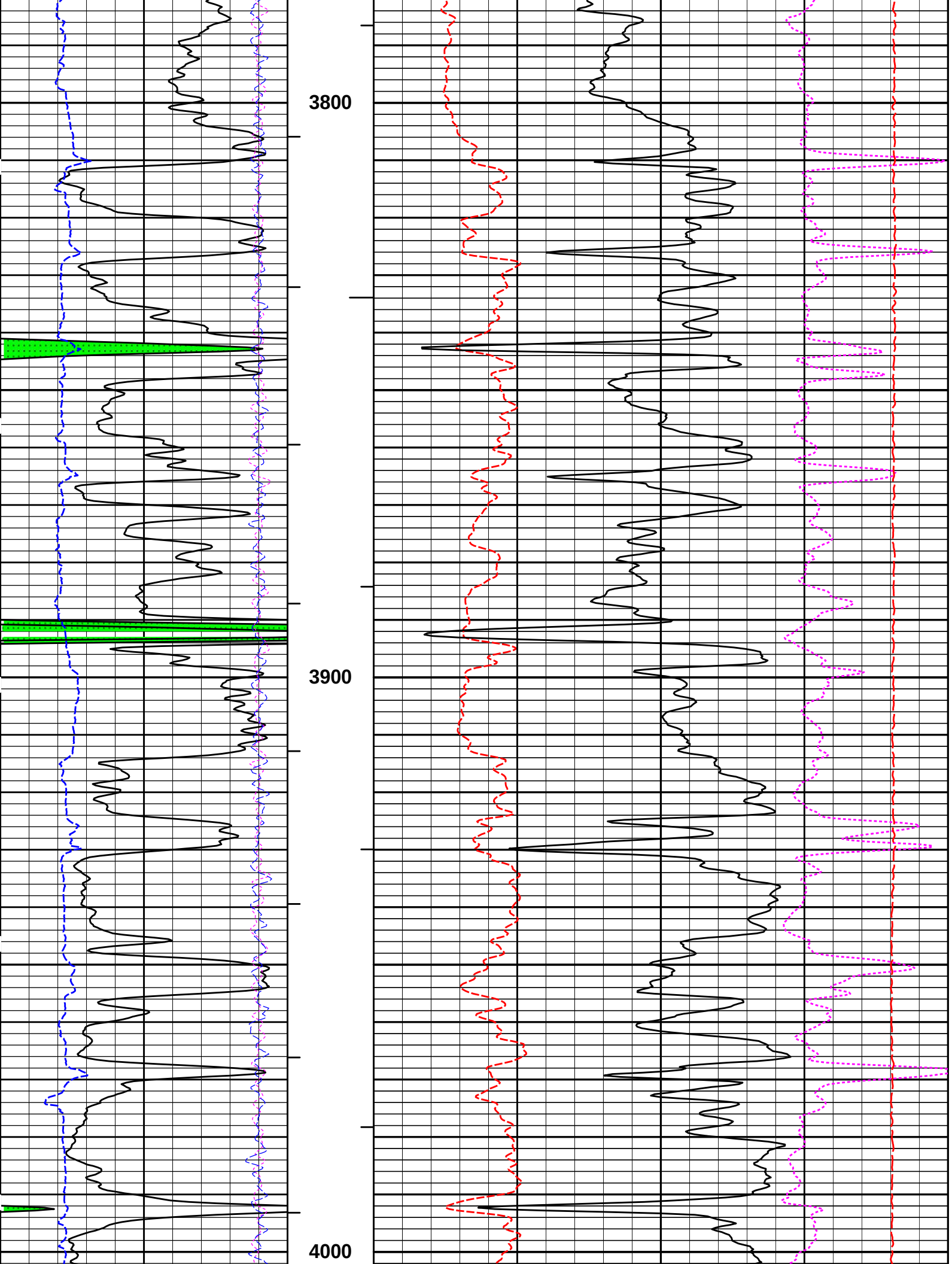
Plot Time: 10-Jan-15 19:31:50
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\BULKD_5_MAIN_LIB

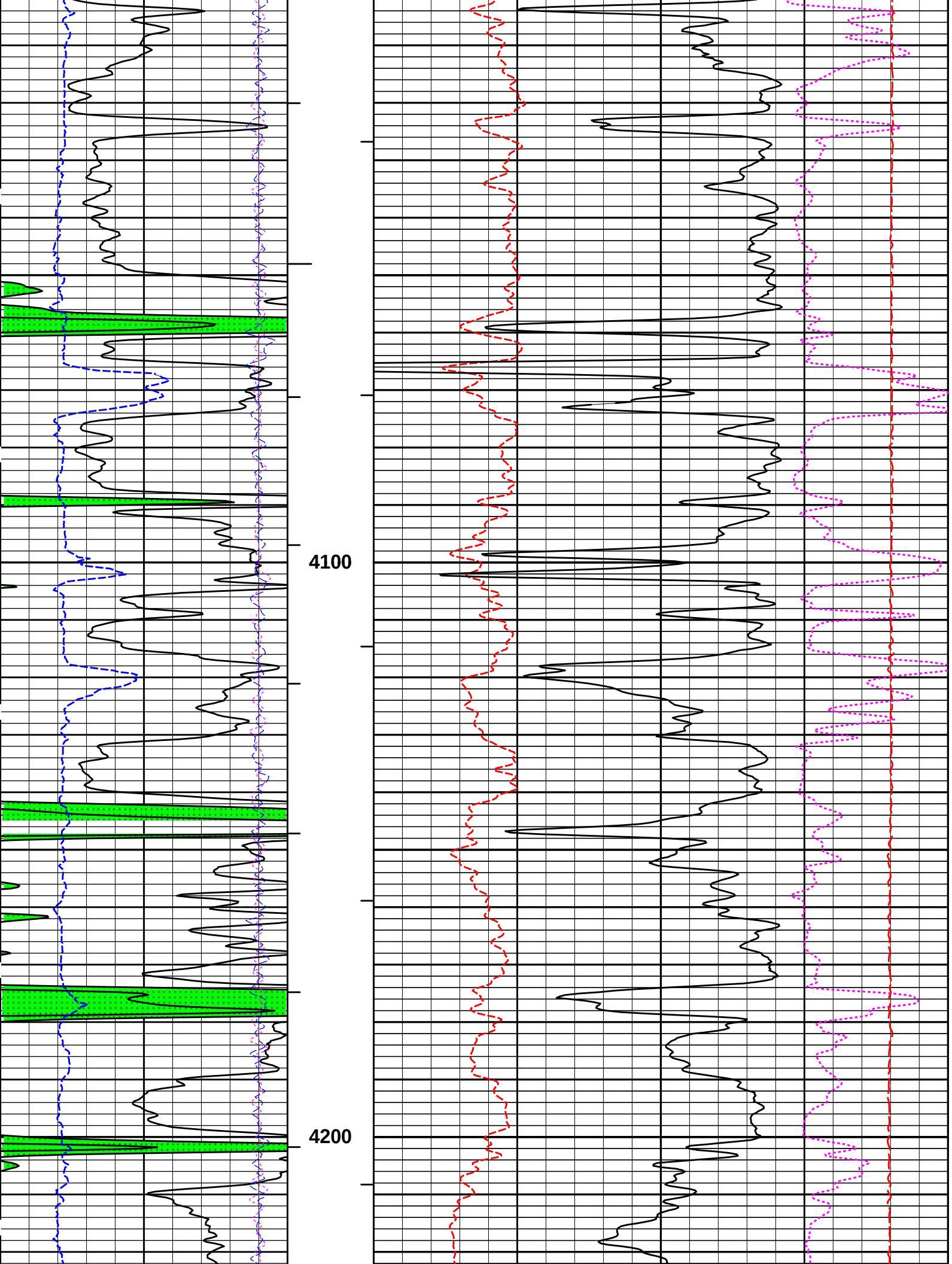
5 INCH MAIN LOG

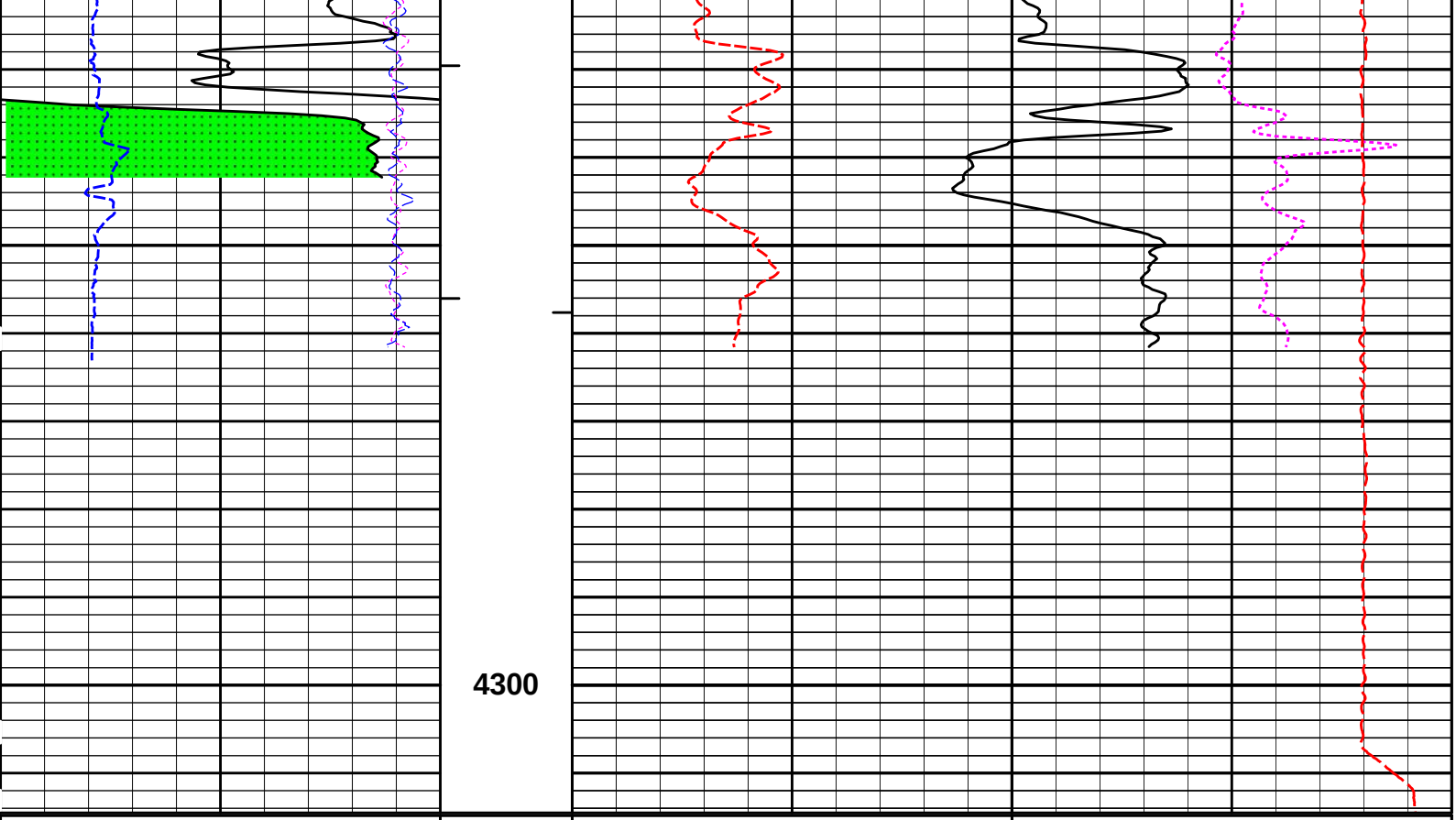
MEASURED DEPTH
MAIN SECTION 5" PER 100'




3600
3700


3800
3900
4000


4100
4200



6 Caliper 16 inches	TVD 1 : 240 ft	0 Pe 10 | -0.25 DensityCorr 0.25 g/cc
-18 NearQuality 2	AHV ft3	15K Tension 0 pounds
18 FarQuality -2	BHV ft3	2 Bulk Density 3 g/cc
0 Gamma Ray 150 api		
SHALE		

HALLIBURTON

Plot Time: 10-Jan-15 19:31:51
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\BULKD_5_MAIN_LIB

5 INCH MAIN LOG

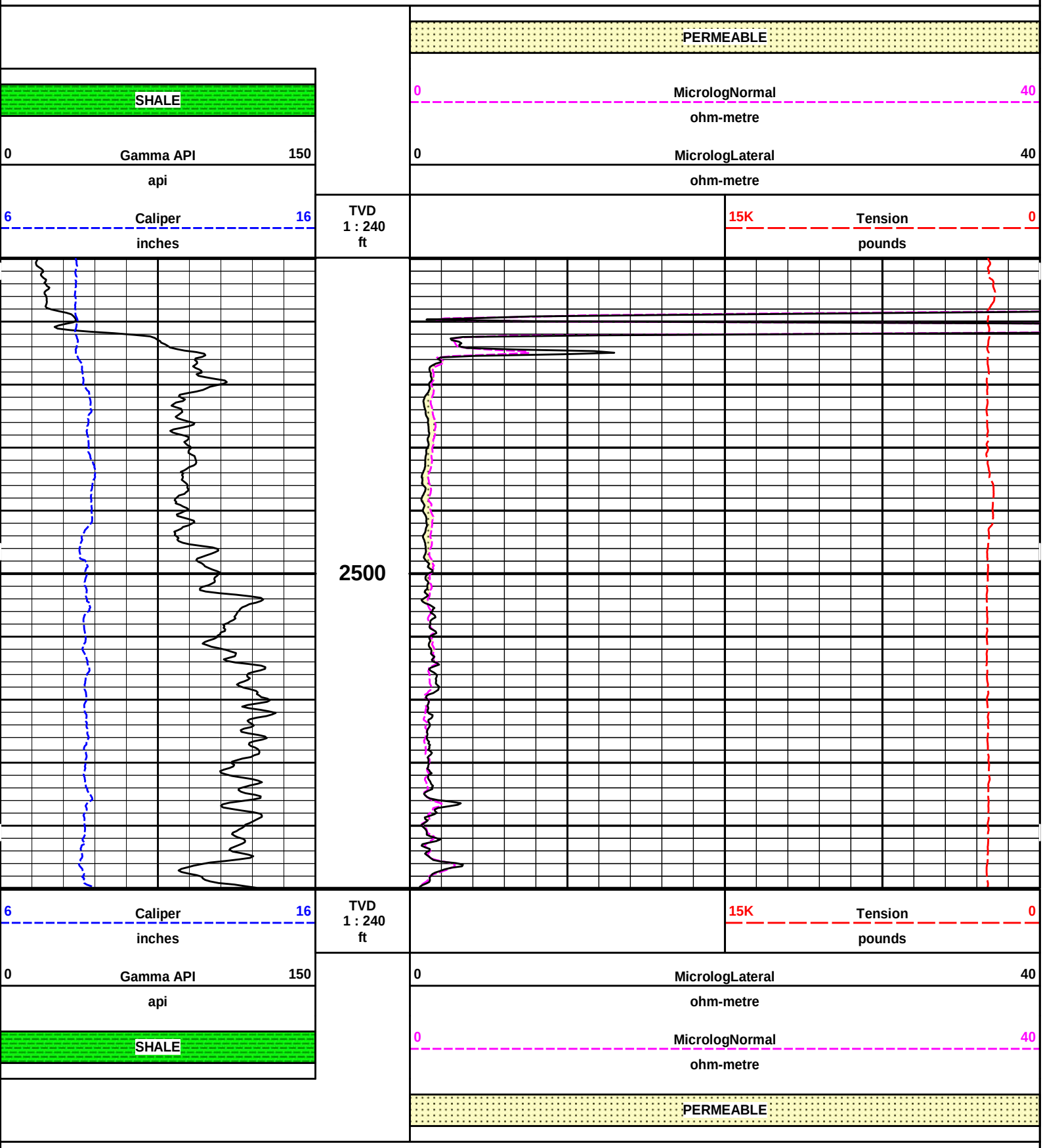
MEASURED DEPTH
MAIN SECTION 5" PER 100'

HALLIBURTON

Plot Time: 10-Jan-15 19:31:51
Plot Range: 2449.84 ft to 2549.84 ft
Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

MEASURED DEPTH
MAIN LOG 5" PER 100'



HALLIBURTON

Plot Time: 10-Jan-15 19:31:52
Plot Range: 2449.84 ft to 2549.84 ft
Data: HAWKEYE 1-22\Well Based\DETAILS TOP\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

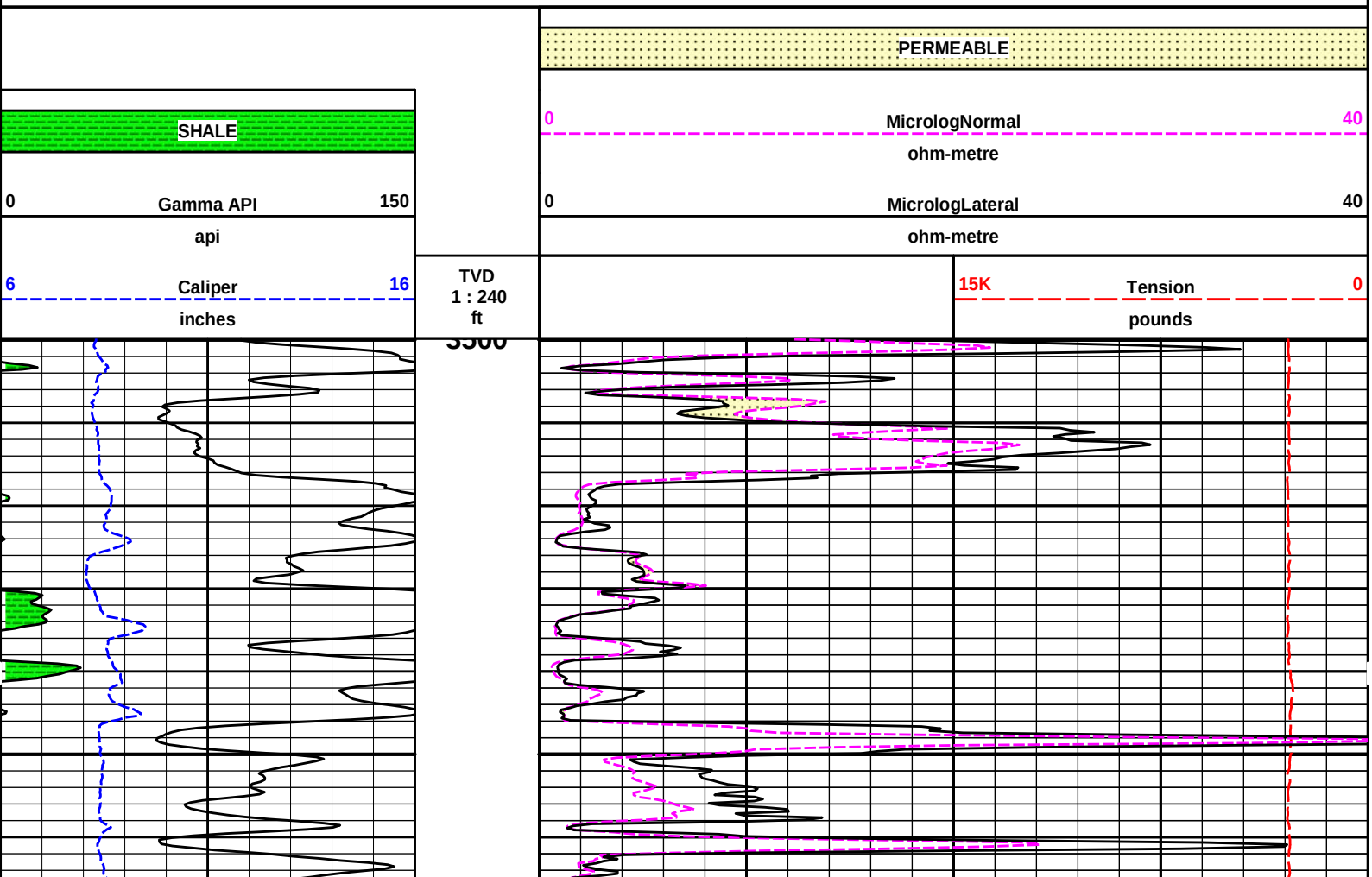
MEASURED DEPTH
MAIN LOG 5" PER 100'

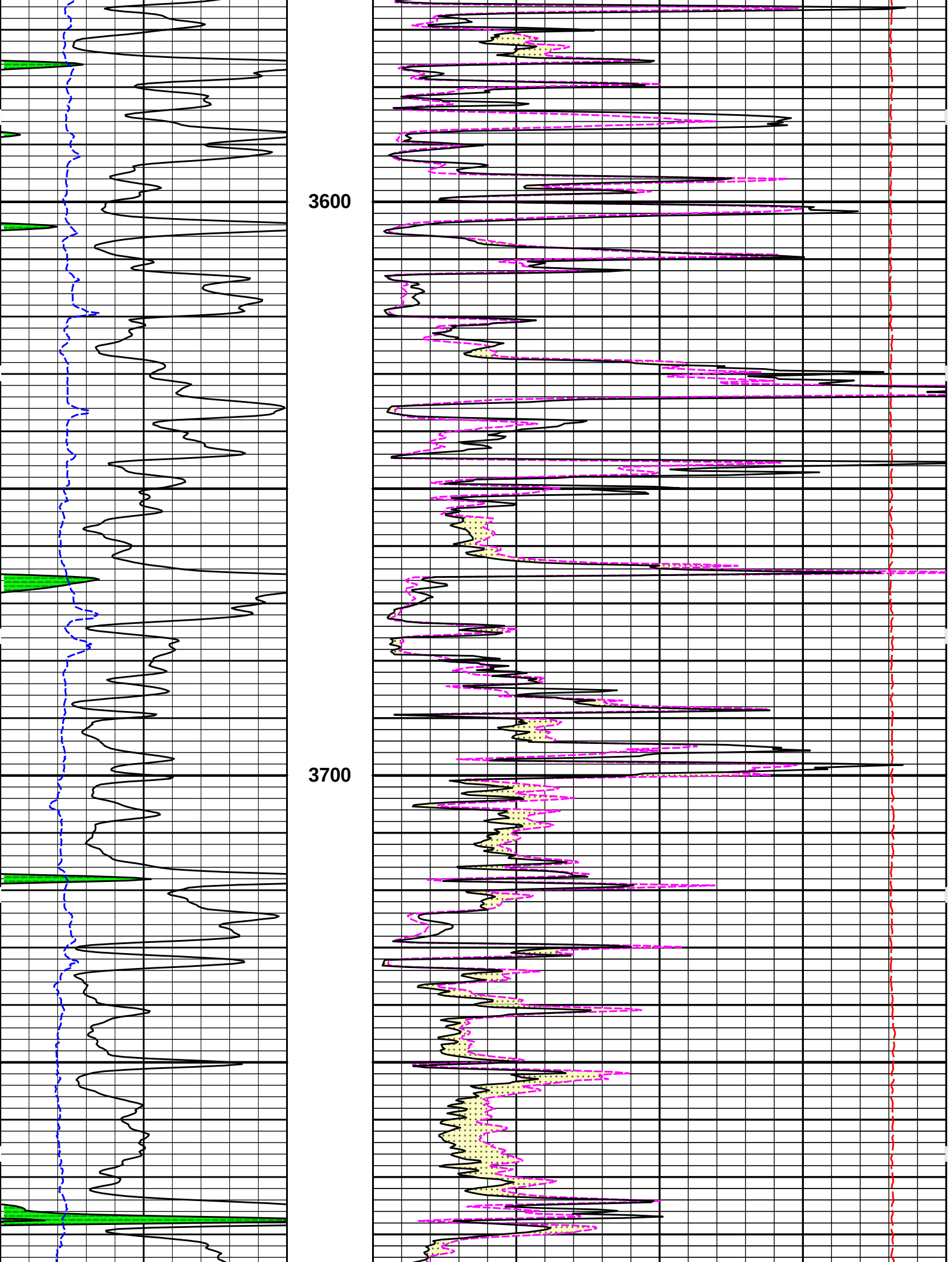
HALLIBURTON

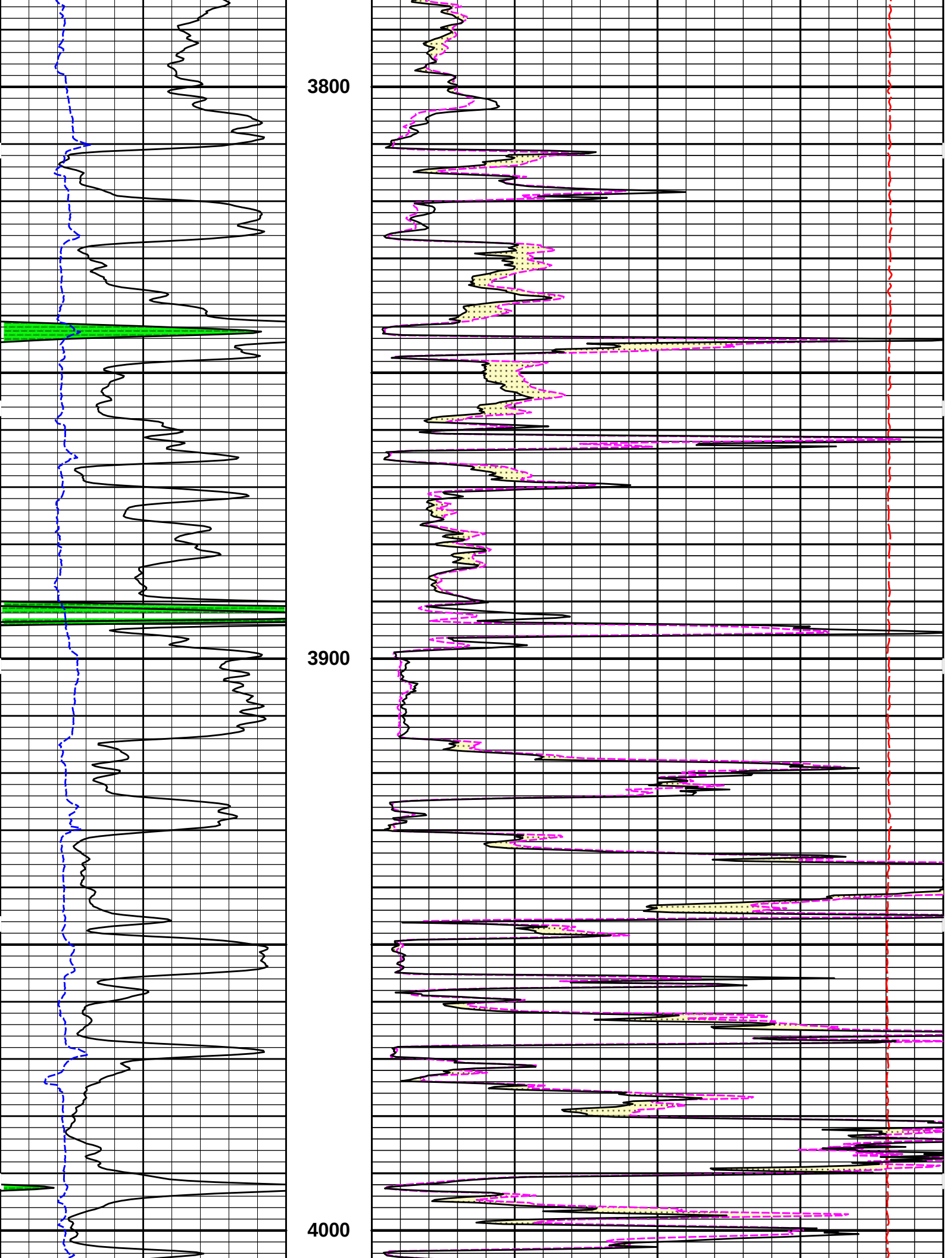
Plot Time: 10-Jan-15 19:31:53
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\Microlog_IQ_5_main_lib

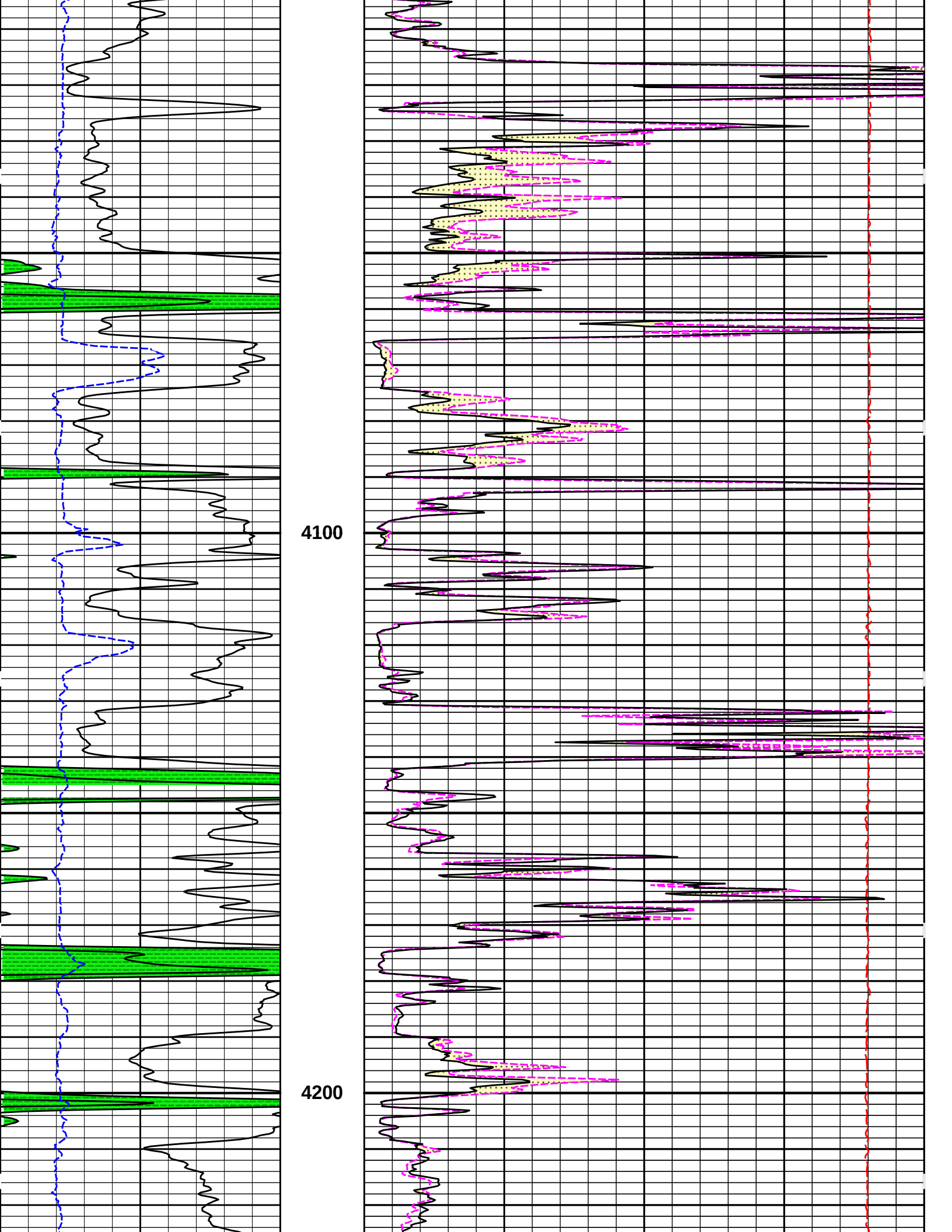
5 INCH MAIN LOG

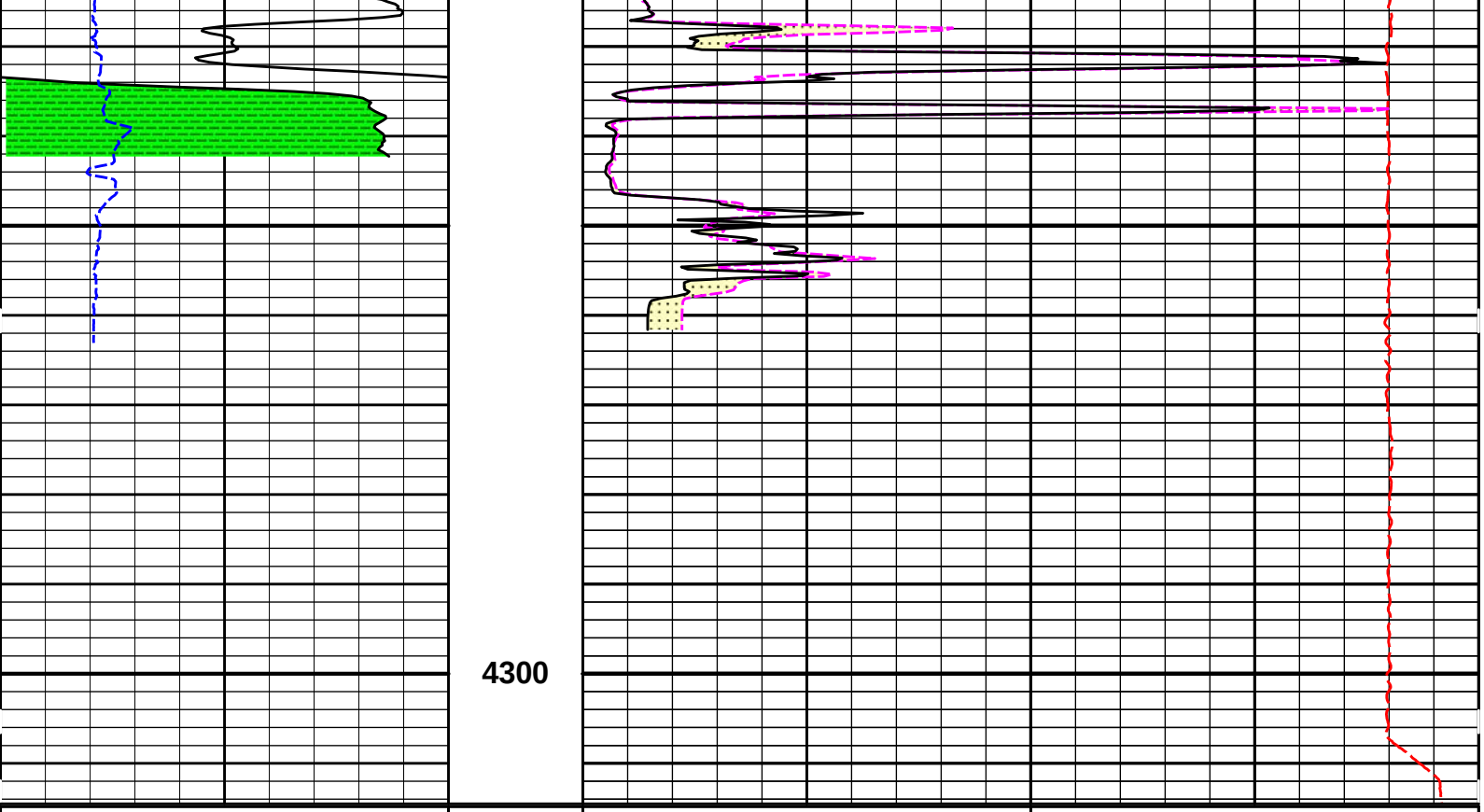
MEASURED DEPTH
MAIN LOG 5" PER 100'




3600
3700


3800
3900
4000


4100
4200



6 Caliper 16
inches

0 Gamma API 150
api

SHALE

TVD
1 : 240
ft

15K Tension 0
pounds

0 MicrologLateral 40
ohm-metre

0 MicrologNormal 40
ohm-metre

PERMEABLE

HALLIBURTON

Plot Time: 10-Jan-15 19:31:54
Plot Range: 3499.8 ft to 4314.51 ft
Data: HAWKEYE 1-22\Well Based\DETAILS BOTTOM\
Plot File: \\-LOCAL-\HAWKEYE 1-22\Well Based\TVD PLOT\Microlog_IQ_5_main_lib

5 INCH MAIN LOG

MEASURED DEPTH
MAIN LOG 5" PER 100'

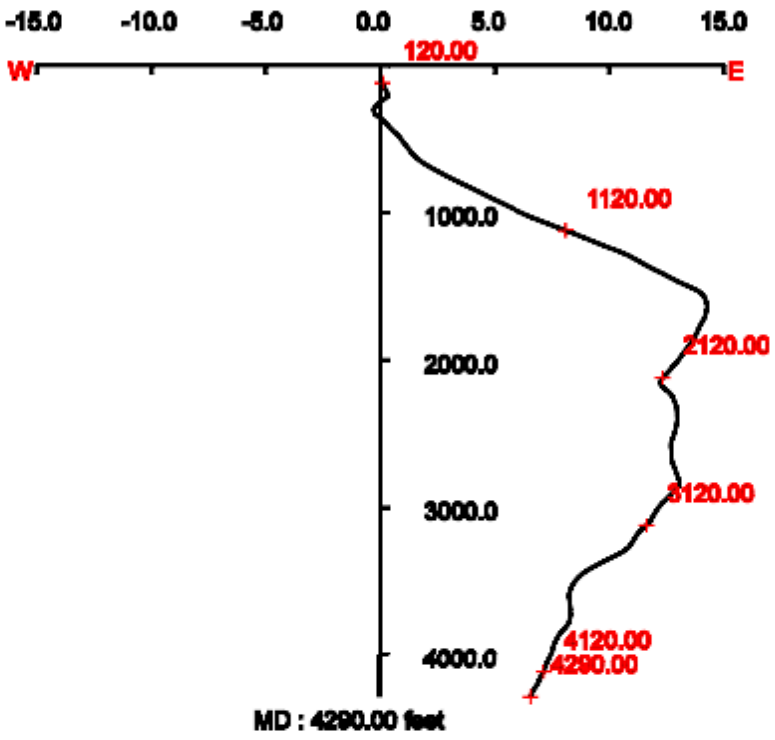
HALLIBURTON

TVD SURVEY REPORT

Hole Position Calculation Method:	Minimum Curvature	Tie in Data	Depth:	0.00	ft
Magnetic Declination:	5.932 deg		TVD:	0.00	ft
			Inclination:	0.00	deg
			Azimuth:	0.00	deg

N/S Departure:	0.00	ft
E/W Departure:	0.00	ft

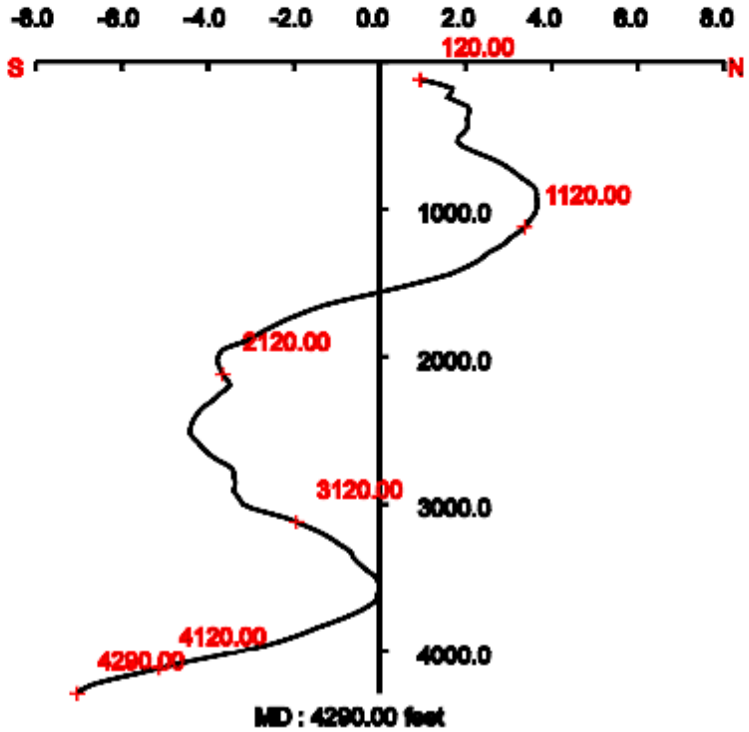
TVD CROSS SECTION LOOKING NORTH



MD : 4290.00 feet

Horizontal Scale: 5 feet/division
Depth Scale: 1000 feet/division

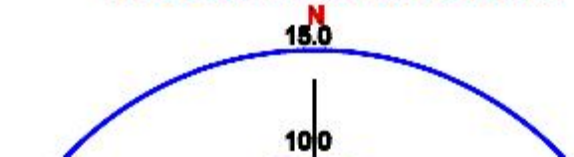
TVD CROSS SECTION LOOKING WEST

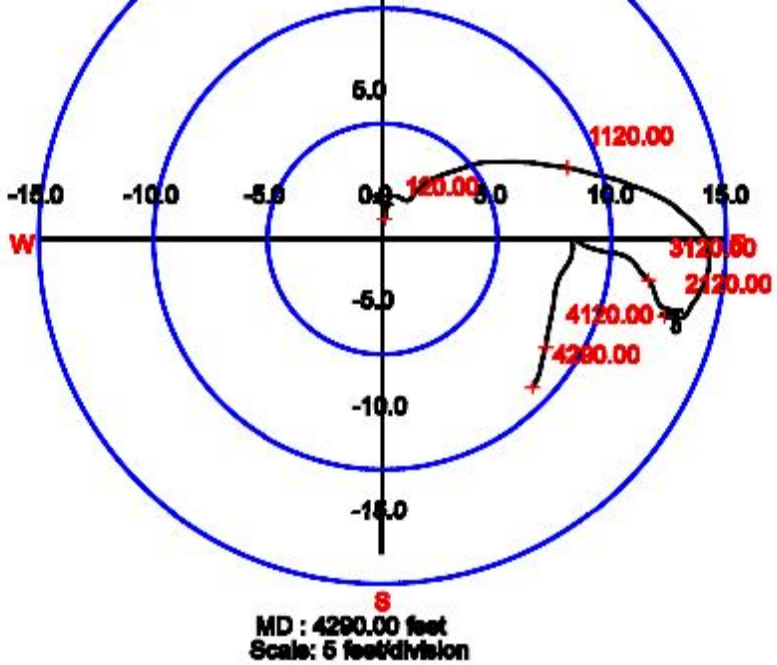


MD : 4290.00 feet

Horizontal Scale: 2 feet/division
Depth Scale: 1000 feet/division

TVD CROSS SECTION LOOKING DOWN





MD : 4290.00 feet
Scale: 5 feet/division

Measured Depth (ft)	Inclination (deg)	True Vertical Depth (ft)	Azimuth (deg)	N/S Departure (ft)	E/W Departure (ft)	DogLeg Severity (°/100')
120.00	0.91	119.99	6.36	0.95	0.11	0.76
150.00	0.79	149.99	7.51	1.39	0.16	0.39
180.00	0.52	179.99	42.41	1.70	0.28	1.58
210.00	0.54	209.99	197.98	1.66	0.32	3.45
240.00	0.85	239.99	286.00	1.59	0.07	3.30
270.00	0.62	269.99	347.51	1.81	-0.18	2.58
300.00	0.44	299.98	312.02	2.04	-0.30	1.21
330.00	0.54	329.98	98.05	2.10	-0.25	3.12
360.00	0.48	359.98	98.52	2.06	0.02	0.18
390.00	0.33	389.98	92.28	2.04	0.23	0.52
420.00	0.30	419.98	84.19	2.04	0.39	0.18
450.00	0.44	449.98	96.75	2.04	0.59	0.53
480.00	0.48	479.98	126.39	1.95	0.80	0.79
510.00	0.20	509.98	136.39	1.84	0.94	0.96
540.00	0.45	539.98	84.55	1.81	1.09	1.20
570.00	0.37	569.98	22.18	1.91	1.24	1.43
600.00	0.62	599.98	40.46	2.13	1.39	0.96
630.00	0.61	629.98	37.75	2.38	1.59	0.10
660.00	0.74	659.97	47.98	2.63	1.83	0.58
690.00	0.74	689.97	67.54	2.84	2.16	0.84
720.00	0.73	719.97	63.40	3.00	2.51	0.18
750.00	0.77	749.97	73.46	3.14	2.87	0.46
780.00	0.78	779.96	70.43	3.27	3.26	0.14
810.00	0.81	809.96	67.51	3.42	3.65	0.16
840.00	0.83	839.96	74.43	3.56	4.05	0.34
870.00	0.70	869.95	81.90	3.64	4.45	0.54
900.00	0.74	899.95	96.03	3.65	4.82	0.60
930.00	0.81	929.95	82.73	3.65	5.23	0.65
960.00	0.75	959.95	94.16	3.67	5.63	0.56
990.00	0.74	989.94	90.77	3.65	6.02	0.15
1020.00	0.87	1019.94	96.67	3.62	6.44	0.53
1050.00	0.99	1049.94	98.52	3.56	6.92	0.39
1080.00	0.95	1079.93	100.45	3.47	7.42	0.17
1110.00	1.01	1109.93	95.29	3.40	7.93	0.37
1140.00	0.96	1139.92	106.45	3.31	8.44	0.66
1170.00	0.98	1169.92	107.79	3.16	8.93	0.10
1200.00	0.87	1199.92	106.34	3.01	9.39	0.38
1230.00	1.01	1229.91	97.40	2.92	9.87	0.68
1260.00	1.11	1259.91	116.33	2.75	10.40	1.21

1290.00	0.75	1289.90	112.49	2.55	10.84	1.23
1320.00	0.69	1319.90	106.60	2.42	11.19	0.32
1350.00	0.68	1349.90	116.50	2.29	11.53	0.40
1380.00	0.89	1379.90	119.33	2.10	11.89	0.69
1410.00	0.89	1409.89	117.66	1.87	12.30	0.09
1440.00	0.76	1439.89	130.55	1.64	12.66	0.76
1470.00	1.23	1469.88	136.10	1.28	13.03	1.60
1500.00	1.04	1499.88	128.52	0.87	13.47	0.79
1530.00	1.15	1529.87	141.56	0.47	13.87	0.91
1560.00	0.80	1559.87	166.92	0.03	14.10	1.83
1590.00	0.99	1589.86	171.40	-0.43	14.19	0.67
1620.00	0.83	1619.86	172.82	-0.90	14.26	0.54
1650.00	0.72	1649.86	189.69	-1.30	14.25	0.84
1680.00	0.44	1679.86	185.75	-1.60	14.21	0.92
1710.00	0.56	1709.86	195.97	-1.86	14.16	0.50
1740.00	0.53	1739.85	209.30	-2.12	14.05	0.44
1770.00	0.41	1769.85	204.50	-2.34	13.94	0.42
1800.00	0.40	1799.85	200.76	-2.53	13.85	0.10
1830.00	0.46	1829.85	206.37	-2.74	13.76	0.25
1860.00	0.31	1859.85	221.01	-2.91	13.66	0.60
1890.00	0.47	1889.85	217.23	-3.07	13.53	0.55
1920.00	0.88	1919.85	198.50	-3.38	13.38	1.52
1950.00	0.36	1949.85	232.60	-3.66	13.23	2.04
1980.00	0.24	1979.85	246.58	-3.74	13.10	0.45
2010.00	0.32	2009.85	261.36	-3.78	12.96	0.34
2040.00	0.38	2039.85	275.45	-3.78	12.78	0.36
2070.00	0.25	2069.84	301.63	-3.74	12.62	0.64
2100.00	0.47	2099.84	274.77	-3.69	12.44	0.91
2130.00	0.26	2129.84	301.61	-3.65	12.26	0.89
2160.00	0.25	2159.84	21.35	-3.55	12.23	1.11
2190.00	0.51	2189.84	92.22	-3.49	12.38	1.62
2220.00	0.51	2219.84	126.49	-3.58	12.62	1.00
2250.00	0.30	2249.84	153.15	-3.72	12.77	0.92
2280.00	0.20	2279.84	128.12	-3.83	12.84	0.47
2310.00	0.37	2309.84	163.13	-3.95	12.91	0.79
2340.00	0.24	2339.84	179.45	-4.11	12.94	0.53
2370.00	0.14	2369.84	172.81	-4.21	12.95	0.32
2400.00	0.14	2399.84	163.86	-4.28	12.96	0.07
2430.00	0.16	2429.84	221.85	-4.35	12.94	0.49
2460.00	0.08	2459.84	249.11	-4.39	12.90	0.33
2490.00	0.14	2489.84	231.93	-4.42	12.85	0.24
2520.00	0.16	2519.84	288.87	-4.42	12.78	0.49
2550.00	0.29	2549.84	333.29	-4.34	12.71	0.68
2580.00	0.15	2579.84	0.45	-4.24	12.67	0.57
2610.00	0.20	2609.84	41.81	-4.16	12.71	0.45
2640.00	0.27	2639.84	334.37	-4.06	12.71	0.89
2670.00	0.24	2669.84	22.65	-3.93	12.71	0.70
2700.00	0.36	2699.84	15.56	-3.78	12.76	0.41
2730.00	0.49	2729.84	28.55	-3.58	12.84	0.53
2760.00	0.13	2759.84	9.69	-3.43	12.91	1.21
2790.00	0.24	2789.84	87.11	-3.40	12.98	0.83
2820.00	0.07	2819.84	124.98	-3.40	13.06	0.64
2850.00	0.20	2849.84	335.01	-3.37	13.05	0.88
2880.00	0.51	2879.84	241.43	-3.38	12.91	1.88
2910.00	0.38	2909.83	288.27	-3.41	12.70	1.25
2940.00	0.40	2939.83	299.75	-3.33	12.51	0.27
2970.00	0.45	2969.83	278.48	-3.26	12.30	0.55
3000.00	0.27	2999.83	319.10	-3.19	12.14	1.00
3030.00	0.71	3029.83	334.15	-2.97	12.01	1.53
3060.00	0.79	3059.83	349.58	-2.60	11.90	0.72
3090.00	0.69	3089.83	341.44	-2.22	11.80	0.49
3120.00	0.58	3119.82	310.75	-1.95	11.63	1.17
3150.00	0.69	3149.82	321.31	-1.72	11.40	0.53
3180.00	0.46	3179.82	325.54	-1.48	11.22	0.78
3210.00	0.45	3209.82	332.65	-1.27	11.10	0.19

3240.00	0.35	3239.82	315.53	-1.11	10.98	0.51
3270.00	0.42	3269.82	314.13	-0.96	10.84	0.24
3300.00	0.74	3299.82	297.75	-0.80	10.59	1.20
3330.00	0.78	3329.81	278.54	-0.68	10.21	0.86
3360.00	0.74	3359.81	273.65	-0.63	9.82	0.25
3390.00	0.73	3389.81	293.57	-0.54	9.45	0.85
3420.00	0.67	3419.81	282.88	-0.43	9.10	0.47
3450.00	0.54	3449.81	303.44	-0.31	8.82	0.85
3480.00	0.41	3479.81	311.93	-0.16	8.62	0.47
3510.00	0.33	3509.80	291.01	-0.06	8.46	0.53
3540.00	0.13	3539.80	301.14	-0.01	8.35	0.66
3570.00	0.14	3569.80	262.65	0.00	8.28	0.30
3600.00	0.13	3599.80	202.95	-0.03	8.23	0.44
3630.00	0.19	3629.80	93.21	-0.07	8.27	0.88
3660.00	0.24	3659.80	210.09	-0.12	8.29	1.22
3690.00	0.41	3689.80	151.00	-0.27	8.31	1.18
3720.00	0.33	3719.80	206.62	-0.44	8.33	1.18
3750.00	0.55	3749.80	177.92	-0.67	8.29	1.02
3780.00	0.42	3779.80	204.51	-0.91	8.25	0.86
3810.00	0.77	3809.80	207.88	-1.19	8.11	1.16
3840.00	0.56	3839.80	217.00	-1.48	7.93	0.78
3870.00	0.52	3869.80	205.42	-1.72	7.78	0.38
3900.00	0.62	3899.79	196.51	-2.00	7.68	0.44
3930.00	0.59	3929.79	196.84	-2.30	7.59	0.09
3960.00	0.81	3959.79	182.03	-2.66	7.54	0.93
3990.00	0.85	3989.79	190.12	-3.09	7.49	0.42
4020.00	0.94	4019.78	190.90	-3.55	7.40	0.28
4050.00	1.07	4049.78	189.44	-4.07	7.31	0.46
4080.00	0.91	4079.77	190.63	-4.58	7.22	0.54
4110.00	0.74	4109.77	183.43	-5.01	7.17	0.67
4140.00	0.90	4139.77	201.76	-5.42	7.07	1.03
4170.00	0.89	4169.77	183.95	-5.87	6.96	0.93
4200.00	0.84	4199.76	193.99	-6.32	6.90	0.53
4230.00	0.67	4229.76	207.90	-6.69	6.76	0.83
4260.00	0.26	4259.76	206.15	-6.90	6.65	1.39
4290.00	0.32	4289.76	207.64	-7.04	6.58	0.21

Horizontal displacement is relative to the well head.
Horizontal displacement (closure) at 4,290.00 ft is 9.64 ft along 136.93 deg (Grid).

Data: HAWKE YE 1-22 **Date: 10-Jan-15 18:43:05**

COMPANY	**CULBREATH OIL & GAS**		
WELL	**HAWKEYE 1-22**		
FIELD	**WILDCAT**		
COUNTY	**SHERIDAN**	STATE	**KANSAS**

HALLIBURTON	QUAD COMBO TVD LOG

Conservation Division
266 N. Main St., Ste. 220
Wichita, KS 67202-1513

Kansas
Corporation Commission

Phone: 316-337-6200
Fax: 316-337-6211
http://kcc.ks.gov/

February 04, 2015

Kevin Howard
Culbreath Oil & Gas Company, Inc.
3501 S YALE AVE
TULSA, OK 74135-8014

Re: Plugging Application
API 15-179-21384-00-00
Hawkeye 1-22
NE/4 Sec.22-10S-30W
Sheridan County, Kansas

Dear Kevin Howard:

The Conservation Division has received your Well Plugging Application (CP-1).

Under K.A.R. 82-3-113(b)(2), you must notify DISTRICT 4 of your proposed plugging plan at least 5 days before plugging the well. DISTRICT 4's phone number is (785) 625-0550. Failure to notify DISTRICT 4, or failure to file a Well Plugging Record (CP-4) after the well is plugged will result in a penalty recommendation.

Under K.A.R. 82-3-600, you must file an Application for Surface Pit (CDP-1) if you wish to use a workover pit while plugging the well. Failure to timely file a CDP-1, failure to timely remove fluids, or failure to timely file Closure of Surface Pit (CDP-4) or Waste Transfer (CDP-5) forms will result in a penalty recommendation.

This receipt does NOT constitute authorization to plug this well if you do not otherwise have the legal right to do so.

This receipt is VOID after August 04, 2015. If the well is not plugged by then, you will have to submit a new CP-1 if you wish to plug the well.

The August 04, 2015 deadline does NOT override any compliance deadline given to you by Legal, District, or other Commission Staff. Failure to comply with any given deadline will still result in the Commission assessing penalties, or taking other legal action.

Sincerely,
Production Department Supervisor

cc: DISTRICT 4