BW - ___38____

C-103s

1625 N. French Dr., Hobbs, NM
District II – (575) 748-1283
811 S. First St., Artesia, NM 88
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 8741
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa F, NM 87505

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

5. Indicate Type of Lease STATE ☑ FEE ☐

6. State Oil & Gas Lease No. SALT (SLO)

7. Lease Name or Unit Agreement Name: STATE 27

8. Well Number 1

9. OGRID Number 370661

10. Pool name or Wildcat SALADO

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☑ Other SW

2. Name of Operator: LLANO DISPOSAL, LLC

3. Address of Operator: P.O. BOX 250, LOVINGTON NM 88260

4. Well Location
Unit Letter L : 1980 feet from the S line and 660 feet from the W line
Section 27 Township 16 Range 33 NMPM County LEA

11. Elevation (*Show whether DR, RKB, RT, GR, etc.*)

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐	CLEAN SALT BLOCKAGE					
CLOSED-LOOP SYSTEM	☐						
OTHER:			☐	OTHER:			☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

IT IS OUR INTENTION TO RIG UP FRIDAY MORNING, 9/18/20, TO PICK UP ON TUBING TO CLEAN SALT BRIDGE. (Lucky Services)

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Marvin Burrows TITLE AGENT DATE 9/15/20

Type or print name MARVIN BURROWS E-mail address: BURROWS MARVIN@GMAIL.COM PHONE: 575-6 8067

For State Use Only

APPROVED BY: Gary Robinson TITLE Compliance Officer A DATE 10-21-2020

Conditions of Approval (if any): (1) - continued verbal commuinication with operator to continue.
(2) - final approval contingent upon receipt of C-105 form requested by OCD on 10-19-2020

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-20592
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. —

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: State "27"
1. Type of Well: Oil Well [ ] Gas Well [X] Other BSW
8. Well Number 1 (BSW 38)
2. Name of Operator: Llano Disposal LLC
9. OGRID Number 370661
3. Address of Operator: PO Box 250 Lovington NM 88260
10. Pool name or Wildcat: Brine (96173)
4. Well Location
Unit Letter L : 1980 feet from the S line and 660 feet from the W line
Section 27 Township 16S Range 33E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4201

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	[ ]	PLUG AND ABANDON	[ ]	REMEDIAL WORK	[ ]	ALTERING CASING	[ ]
TEMPORARILY ABANDON	[ ]	CHANGE PLANS	[ ]	COMMENCE DRILLING OPNS.	[ ]	P AND A	[ ]
PULL OR ALTER CASING	[ ]	MULTIPLE COMPL	[ ]	CASING/CEMENT JOB	[ ]		
DOWNHOLE COMMINGLE	[ ]						
CLOSED-LOOP SYSTEM	[ ]						
OTHER: Casing/Cavity test	[X]			OTHER:			[ ]

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Llano Disposal LLC would like to schedule a Casing/Cavity pressure test for this well on June 28 2019 @ 8:00 am

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Caskins TITLE Agent DATE 6-21-19

Type or print name Elizabeth Caskins E-mail address: service@llanodisposal.com PHONE: 575-602-2503

For State Use Only

APPROVED BY: Carl J. Chase TITLE Environmental Engr. DATE 6/21/19

Conditions of Approval (if any):

Chavez, Carl J, EMNRD

From: danny@pwllc.net
Sent: Tuesday, May 29, 2018 3:51 PM
To: Chavez, Carl J, EMNRD
Cc: Marvin Burrows
Subject: C-103 Subsequent Notice - State 27 #1 (30-025-25647)
Attachments: C-103 Sub Notice State 27 BSW #1 052918.pdf

Carl,
Attached for your records is a copy of the C-103 Subsequent Notice (for plug drill out and logging) that we are submitting to Hobbs.

Have you had time to review the logs Marvin emailed to you and Jim on May 23? Marvin is out of town until mid-week. After that, we would be available for a conference call to review and discuss the logs.

If you have any questions, please let me know.
Thank you,
Danny J. Holcomb
Cell: 806-471-5628
Email: danny@pwllc.net

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-20592

5. Indicate Type of Lease STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

7. Lease Name or Unit Agreement Name: State 27

1. Type of Well: Oil Well ☐ Gas Well ☒ Other - PxA Well Re-entry

8. Well Number 1

2. Name of Operator: Llano Disposal, LLC

9. OGRID Number: 370661

3. Address of Operator: P.O. Box 190, Lovington, NM 88260

10. Pool name or Wildcat: BSW; Salado

4. Well Location
Unit Letter L : 1980 feet from the South line and 660 feet from the West line
Section 27 Township 16S Range 33E NMPM Lea County

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 4201' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK Re-entry	☒	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE ~~DRILLING~~ OPNS.	☒	P AND A	☐
PULL OR ALTER CASING	☐	MULTIPLE COMPL	☐	CASING/CEMENT JOB	☐		
DOWNHOLE COMMINGLE	☐						
CLOSED-LOOP SYSTEM	☐						
OTHER:	☐			OTHER: Re-entry to run CBL, CNL and caliper log	☒		

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

In accordance with discussions with OCD Environmental Bureau, OCD District 1 and SLO, Llano Disposal LLC re-entered this well to inspect casing for possible conversion to a brine supply well pending WQCC Discharge Permit BW-38 approval:

4/27/18 - Leveled location, set anchors, dug out around existing PxA marker, MI welder, cut off PxA marker, revealed good 13-3/8" and 9-5/8" casing, installed new casing and well head at ground level.
5/14/18 - MIRU pulling unit, NU BOP, unloaded and tallied 2-7/8" workstring, set 2 frac tanks and filled one with FW. MIRU reverse unit, swivel and stripping head, RIH with 8-3/4" skirted MT bit, bit sub, four 4-3/4" DCs and 2-7/8" workstring, drilled cement plug #7 (surface to 30'), plug # 6 (465' – 198') and plug #5 (1600' – 1465') utilizing closed loop system.
5/19/18 - Tagged plug #5 at 4511', circulated hole clean, closed BOP, tested casing to 500# for 30 minutes, held. POOH & LD 2-7/8" workstring, DCs, bit sub and bit. ND BOP, install B-1 adaptor, secured and closed in well, RDMO pulling unit, reverse unit and tanks.
5/22/18 - MIRU WL, run CBL, CNL and casing caliper log from San Andres cement plug at 4511' to surface, RDMO WL.
5/23/18 - Emailed logs (CBL, CNL and caliper log) to OCD Environmental Bureau (SF) and hand delivered hard copies to Paul Kautz at OCD District 1 (Hobbs). Suspend further well work until additional permitting is approved.

Re-entry ~~Spud~~ Date: 5/14/2018 Rig Release Date: 5/19/2018

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE DJHolcomb TITLE Agent for Llano Disposal, LLC DATE 5/29/2018

Type or print name Danny J. Holcomb E-mail address: danny@pwllc.net PHONE: 806-471-5628

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Chavez, Carl J, EMNRD

From: Marvin <burrowsmarvin@gmail.com>
Sent: Wednesday, May 23, 2018 11:26 AM
To: Griswold, Jim, EMNRD; Chavez, Carl J, EMNRD; Kautz, Paul, EMNRD
Cc: Dannys (Elec And Permitting both)
Subject: Llano Disposal, LLC, State 27 # 1. L-27-16-33.
Attachments: llano disposal state 27 #1 CIL 100 DPI.pdf; llano disposal state 27 #1 CNL 100 DPI.pdf; llano disposal state 27 #1 RCBL 100 DPI.pdf

Chavez, Carl J, EMNRD

From: Marvin <burrowsmarvin@gmail.com>
Sent: Wednesday, May 23, 2018 11:19 AM
To: Griswold, Jim, EMNRD; Chavez, Carl J, EMNRD; Kautz, Paul, EMNRD
Cc: Dannys (Elec And Permitting both)
Subject: Logs (3)

Gentlemen :
My next email to you will contain the logs we ran on the State 27 # 1 (L-27-16-33, API 30-025-20592). This well is is approx 5 mi east of Maljamar, and just south of the Lovington Hwy. It is a Llano Disposal, LLC BSW prospect. Per earlier 103, we re-entered 9 5/8" casing to the San Andres plug at 4511'.
We were pleased with the logs. Of note is that we had to run the bit correct for the heavier (smaller ID) 36 pound 9 5/8" casing. The well also has 32 pound 9 5/8" casing (larger ID). Because that, we left a some cement on the ID walls of the pipe as we drilled out the top of salt plug. The caliper log indicates this 1510'-1640'.
The CBL also indicates that 9 5/8" TOC is well tied to the heavy surface casing string (13 3/8", 48 pound @ 415', circulated).
The purpose of the CNL is to determine the best point at which to enter the Salado which appears to show around 1700'. The original drilling log indicated Salado 1700'-2600'.
Marvin

Sent from my iPhone

RENEGADE SERVICES

60 ARM CALIPER CASING INSPECTION LOG

Company LLANO DISPOSAL LLC.
Well STATE 27 #1
Field
County LEA
State NEW MEXICO Country U.S.A.

Company LLANO DISPOSAL LLC.
Well STATE 27 #1
Field
County LEA
State NEW MEXICO Country U.S.A.

Location: API # :
SEC TWP RGE
N/A

Other Services
RCBL
CNL

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

Permanent Datum	GROUND LEVEL
Elevation	---
Log Measured From	GROUND LEVEL
Drilling Measured From	KELLY BUSHING

Date	22-MAY-2018
Run Number	ONE
Depth Driller	13500'
Depth Logger	4511'
Bottom Logged Interval	4511'
Top Log Interval	SURFACE
Open Hole Size	---
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	104 DEG.
Estimated Cement Top	220'
Time Well Ready	ROA
Time Logger on Bottom	SEE LOG
Equipment Number	113
Location	LEVELAND
Recorded By	DEREK MOORE
Witnessed By	MARVIN BURROWS

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Wgt/Ft	Top	Bottom

Casing Record

	Size	Weight	From	To
Surface String				
Prot. String				
Production String	9.625"	36# & 32#	SURFACE	13500'
Liner				

<<< Fold Here >>>

Comments

ALL DEPTHS ARE LOGGER DEPTHS ONLY

RENEGADE SERVICES

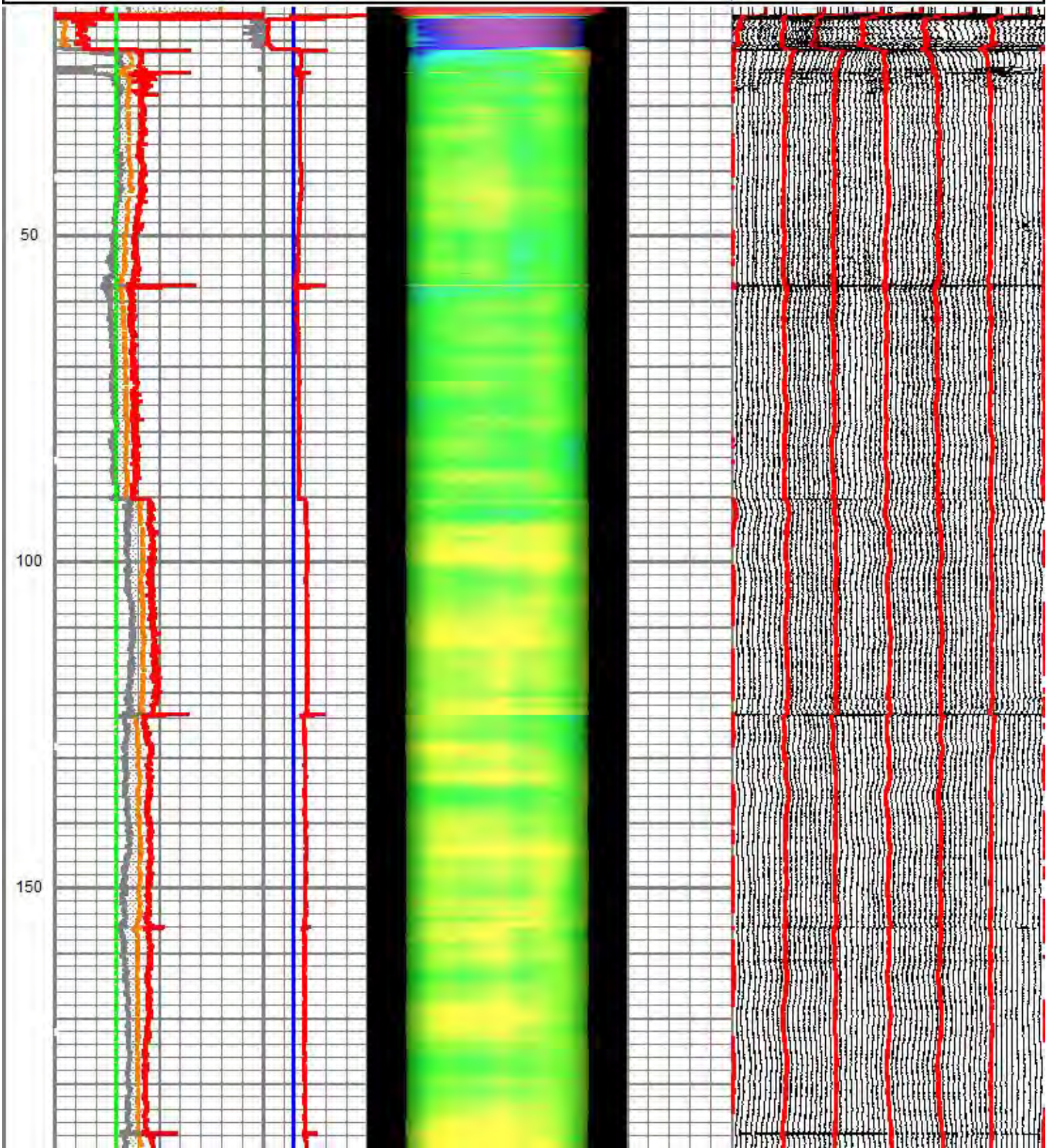
MAIN PASS

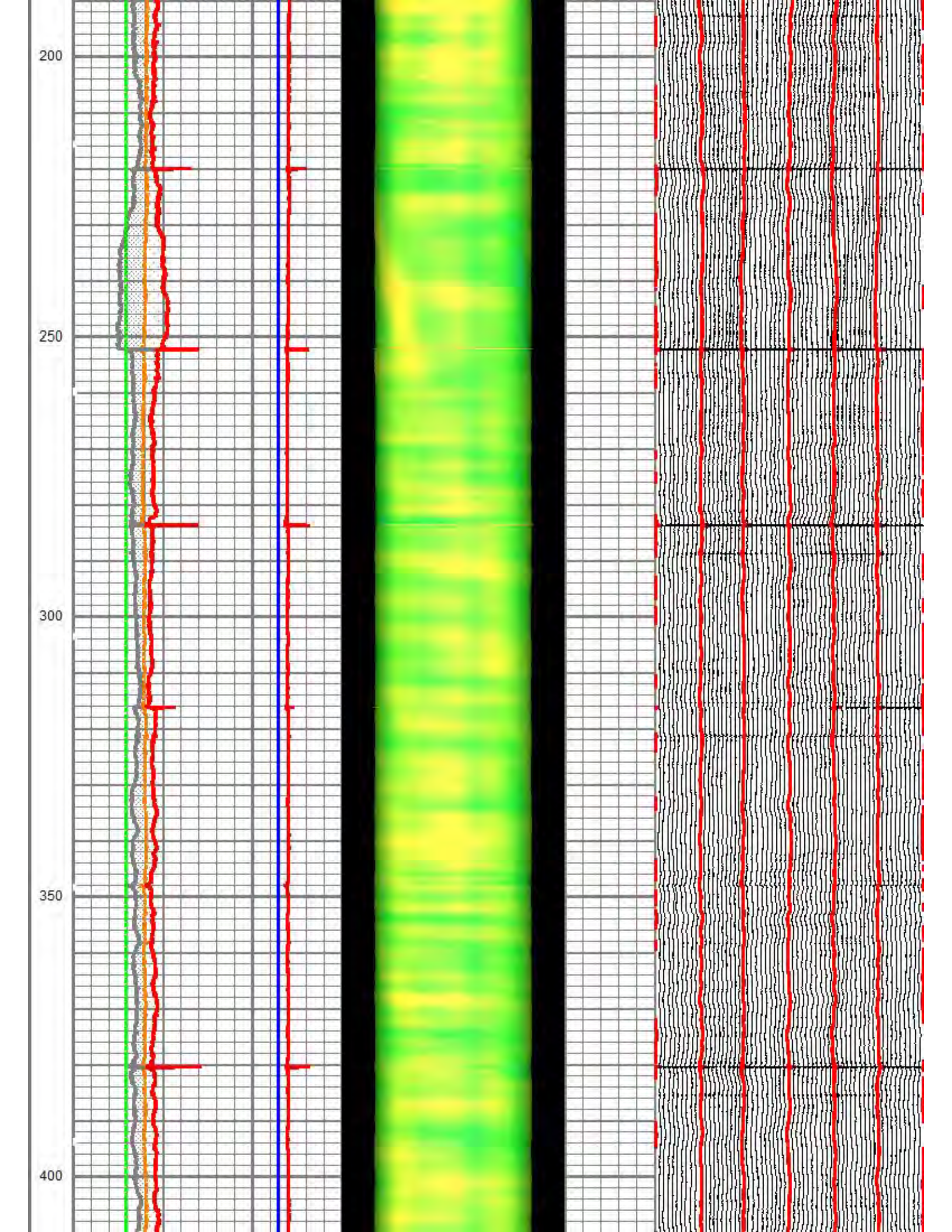
Database File	llano disposal state 27 #1.db
Dataset Pathname	pass8
Presentation Format	pr60im96
Dataset Creation	Tue May 22 14:19:47 2018
Charted by	Depth in Feet scaled 1:240

8.625	IDAV (in)	9.625	CASEID		
8.625	IDMN (in)	9.625	8.625in		9.625
8.625	IDMX (in)	9.625	IDAV		
8.625	CASEID (in)	9.625	8.625in		9.625

0	IMGMAP (in)	100

3.5	R10 (in)	9.5
2.5	R20 (in)	8.5
1.5	R30 (in)	7.5
0.5	R40 (in)	6.5
-0.5	R50 (in)	5.5
-1.5	R60 (in)	4.5

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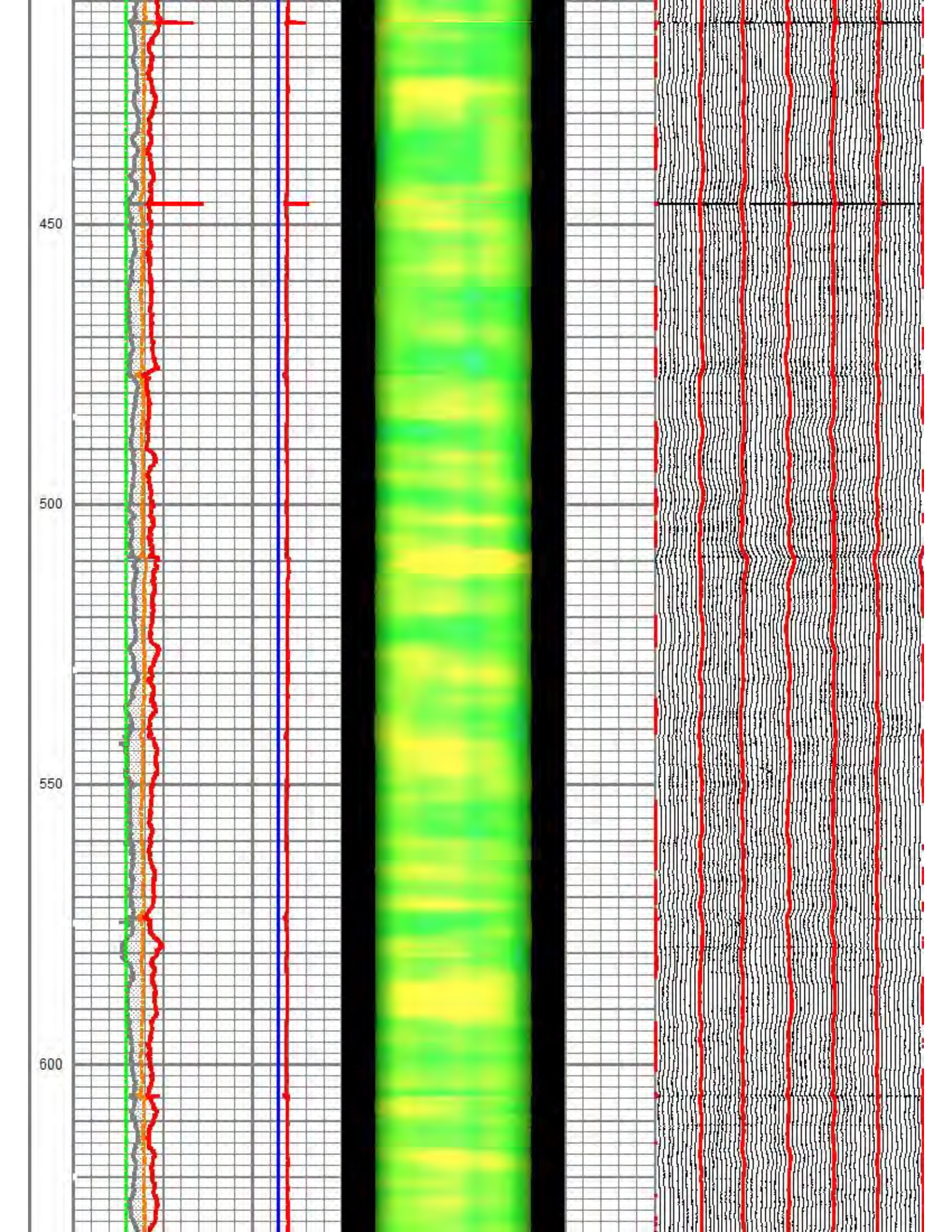
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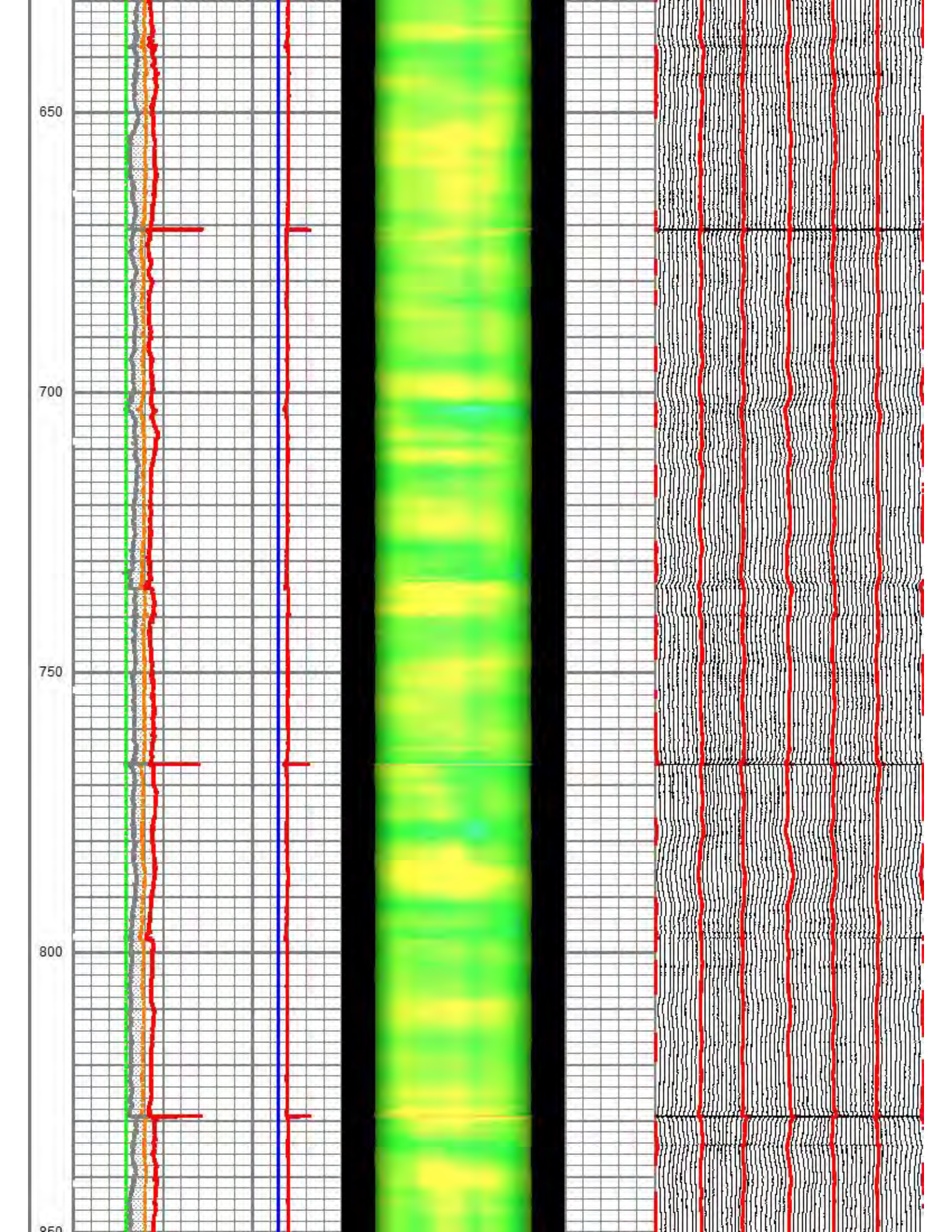
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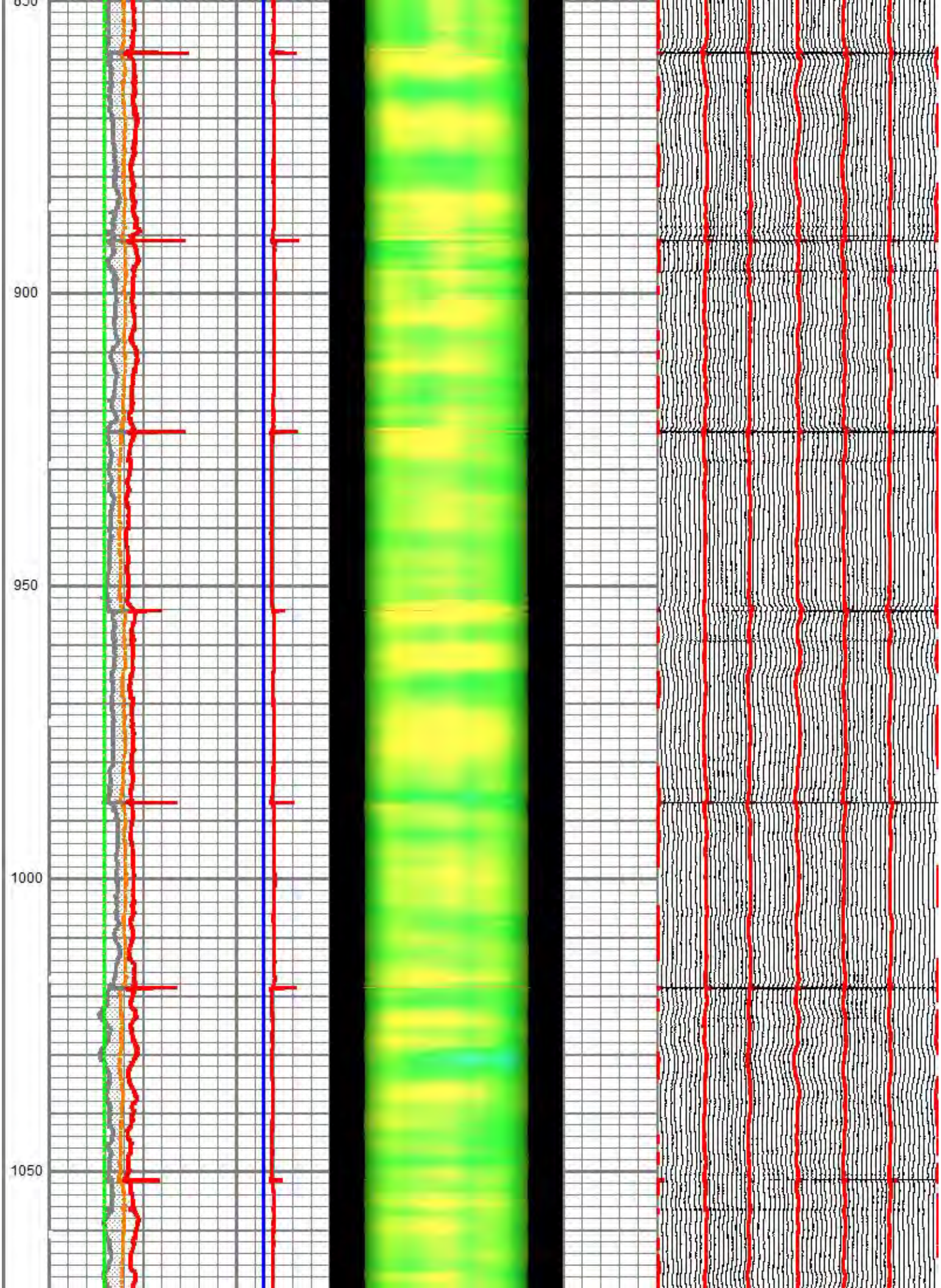
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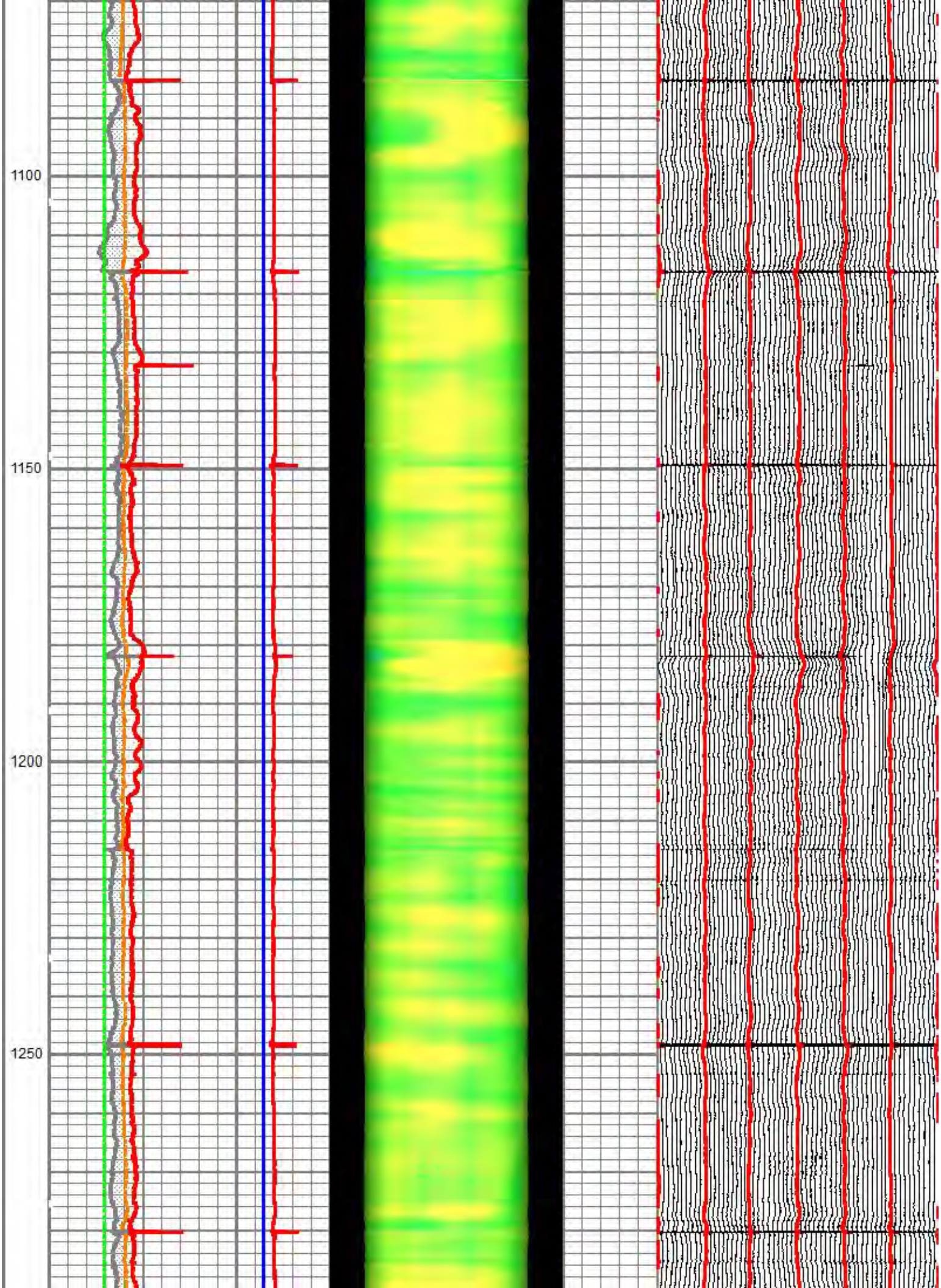
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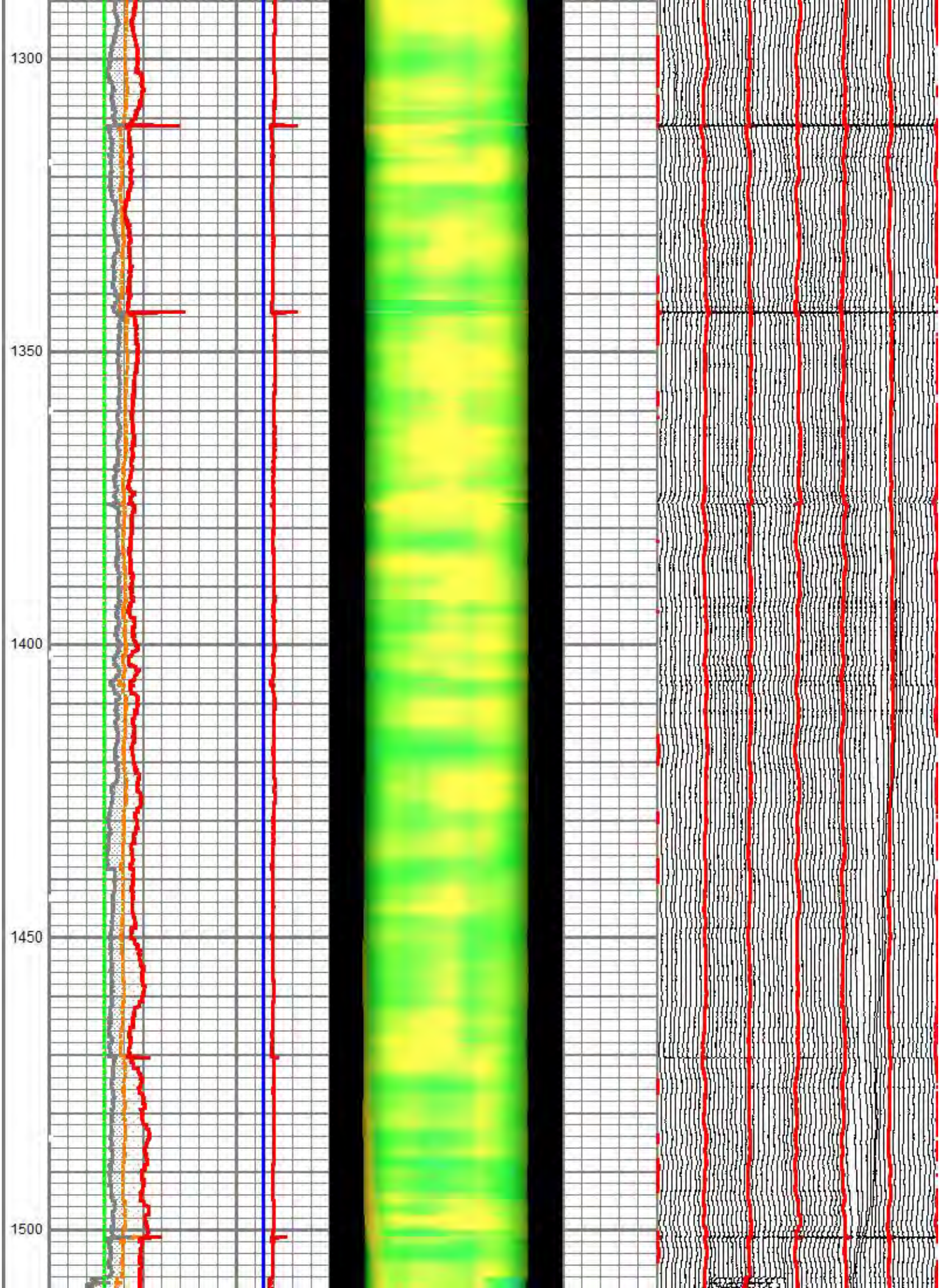
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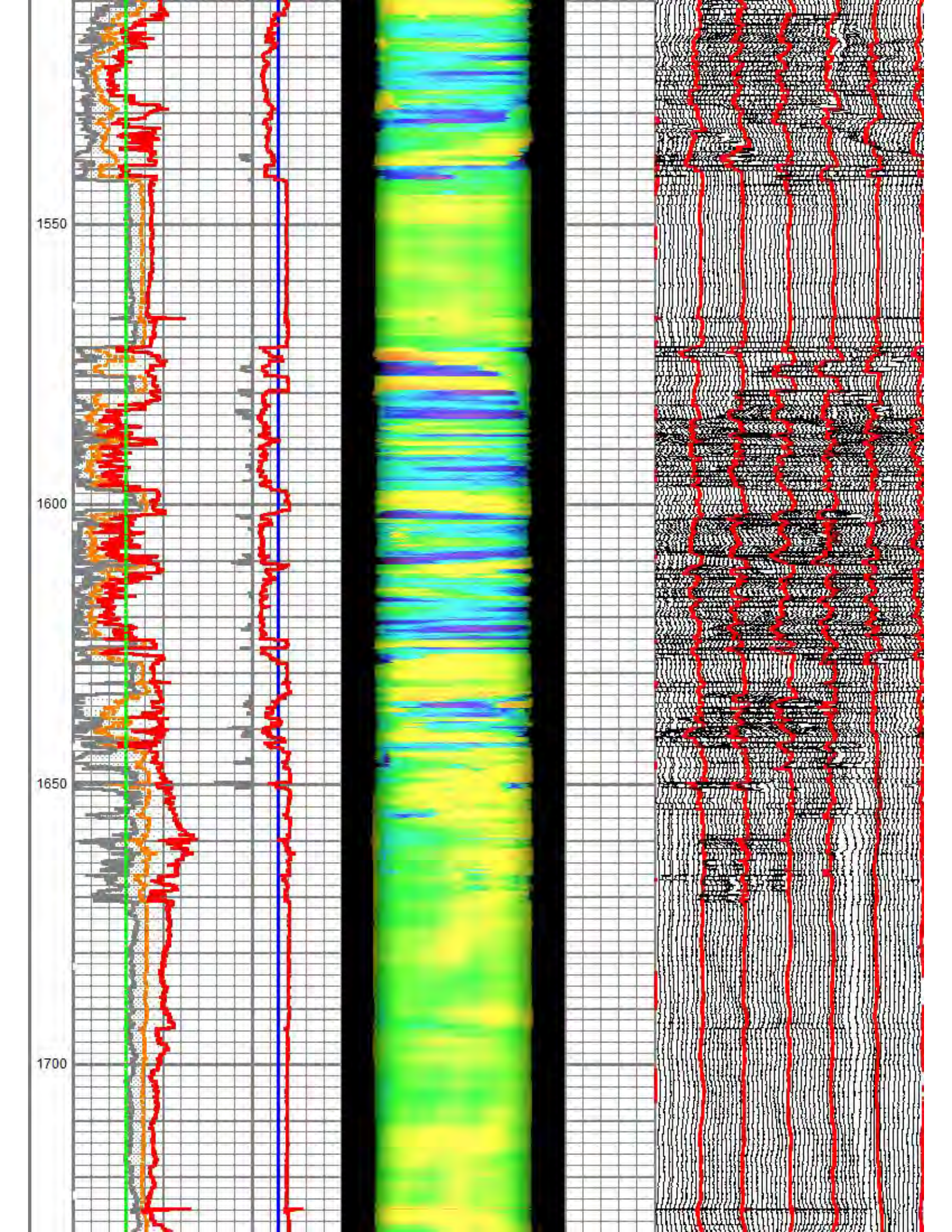
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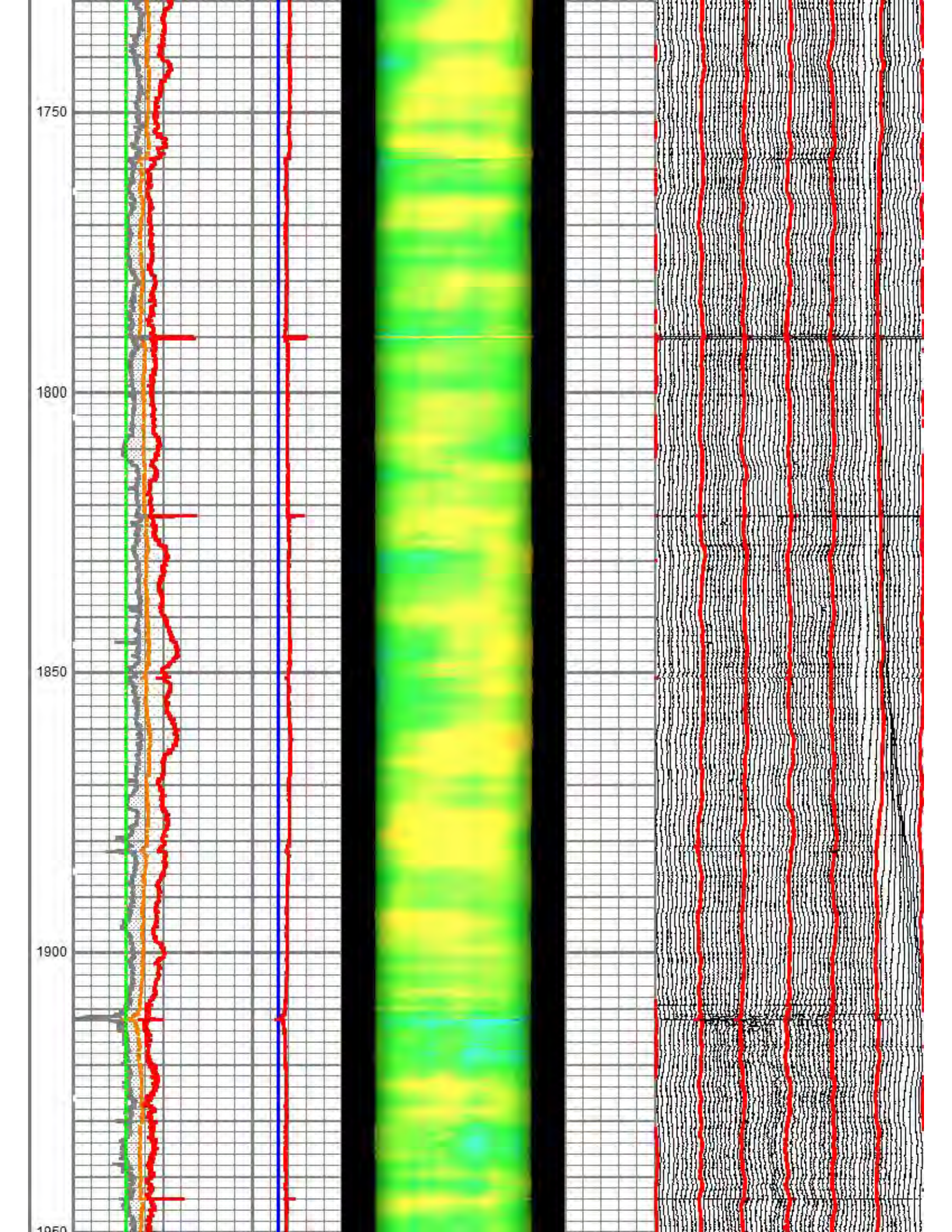
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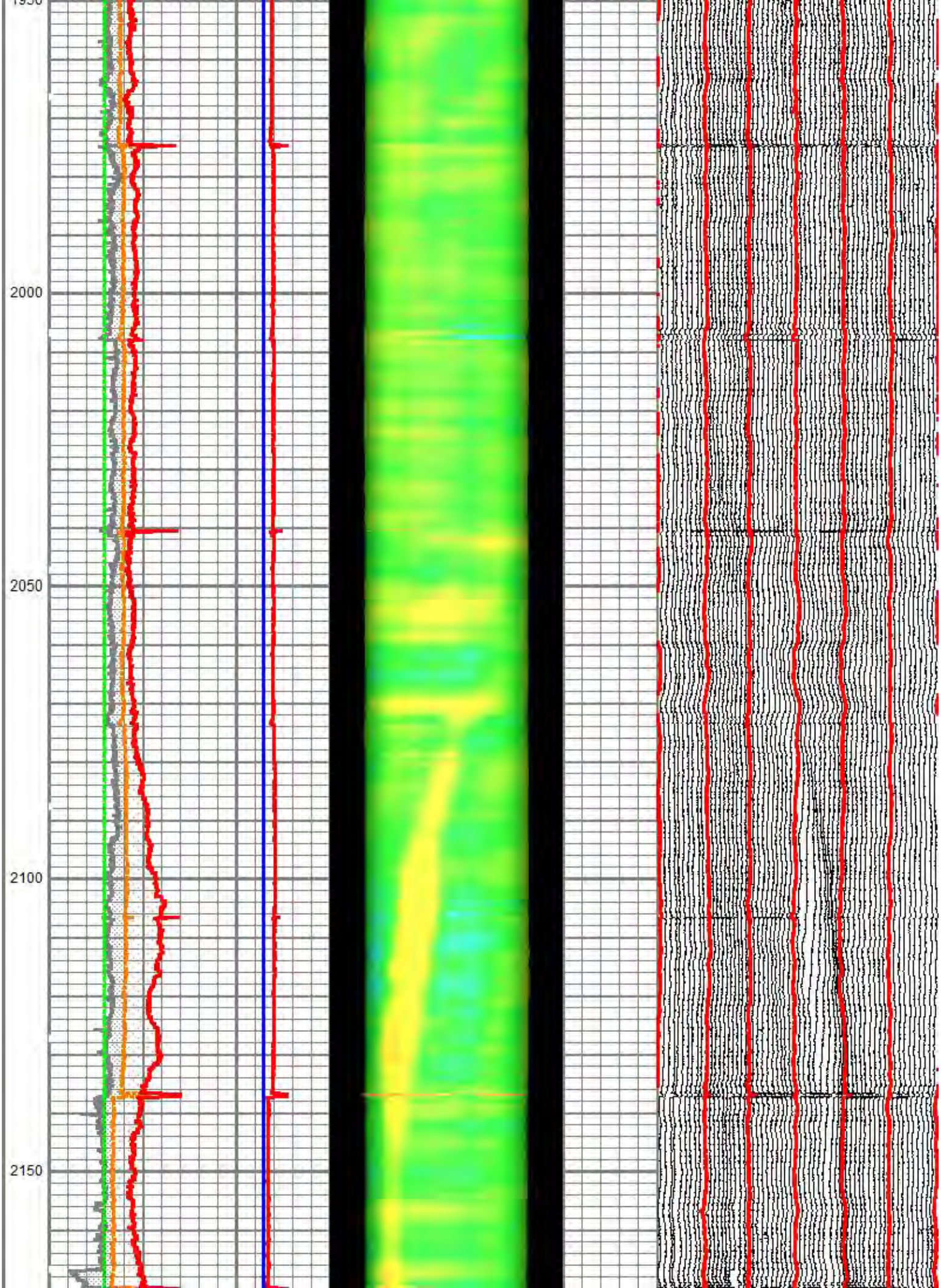
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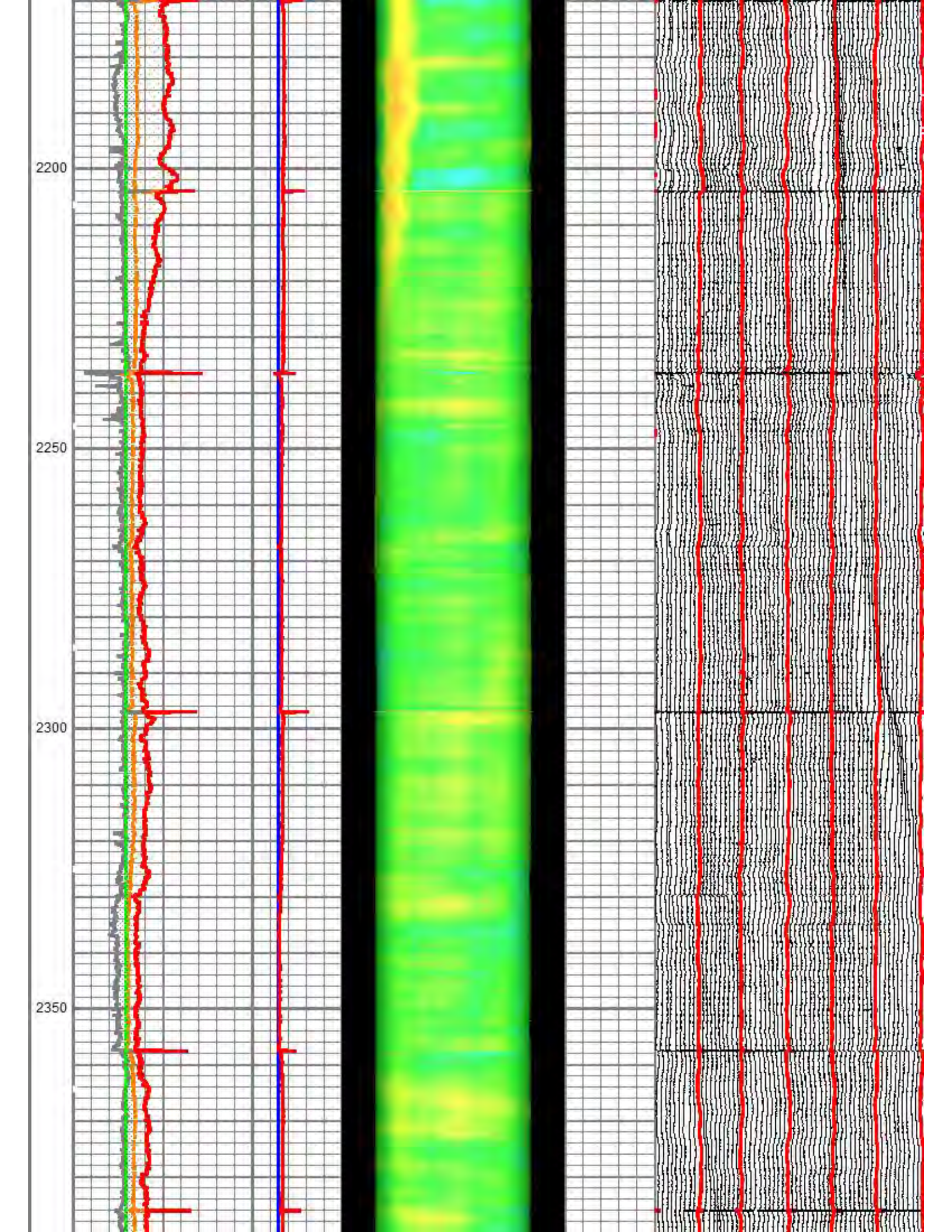
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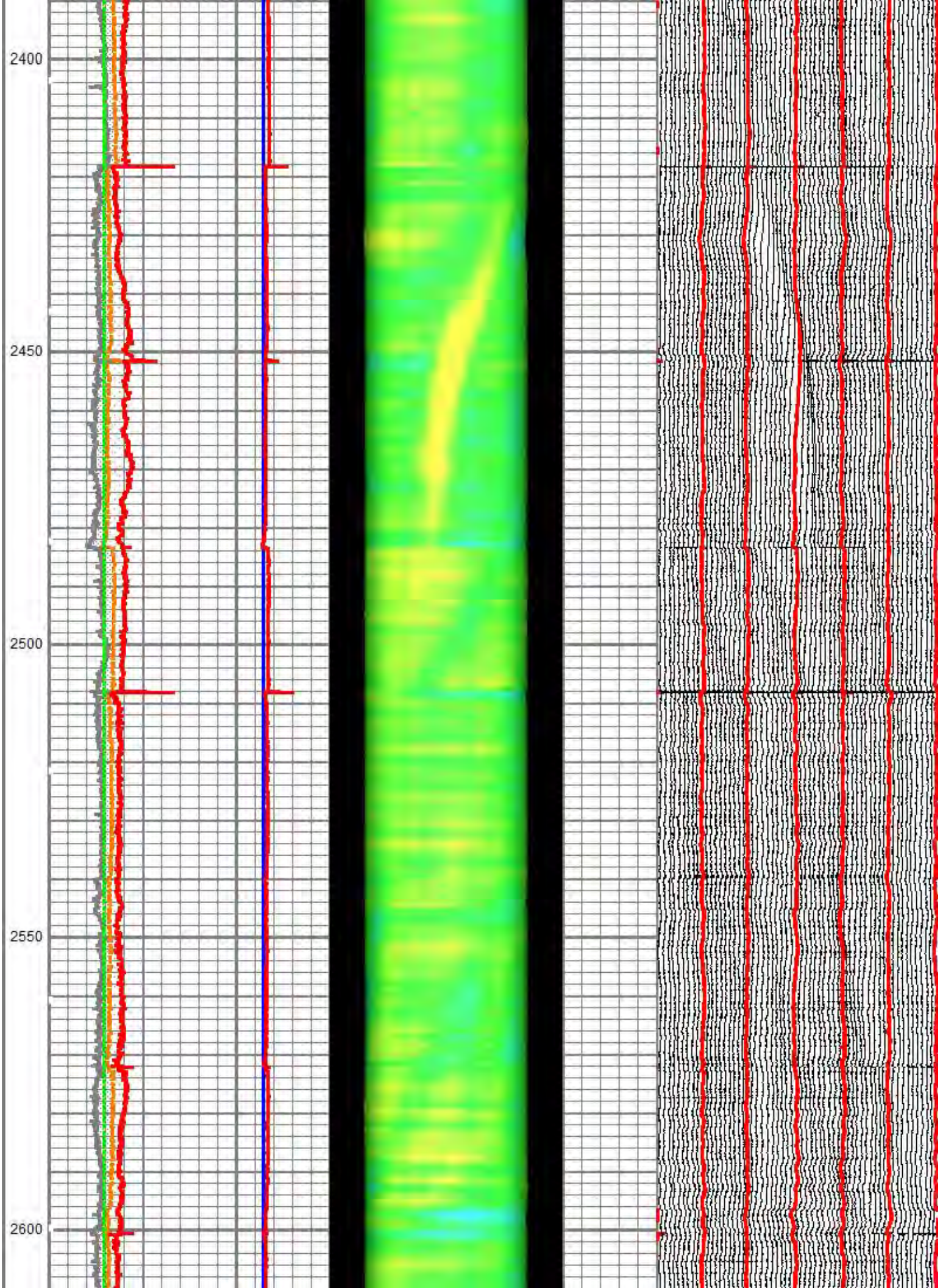
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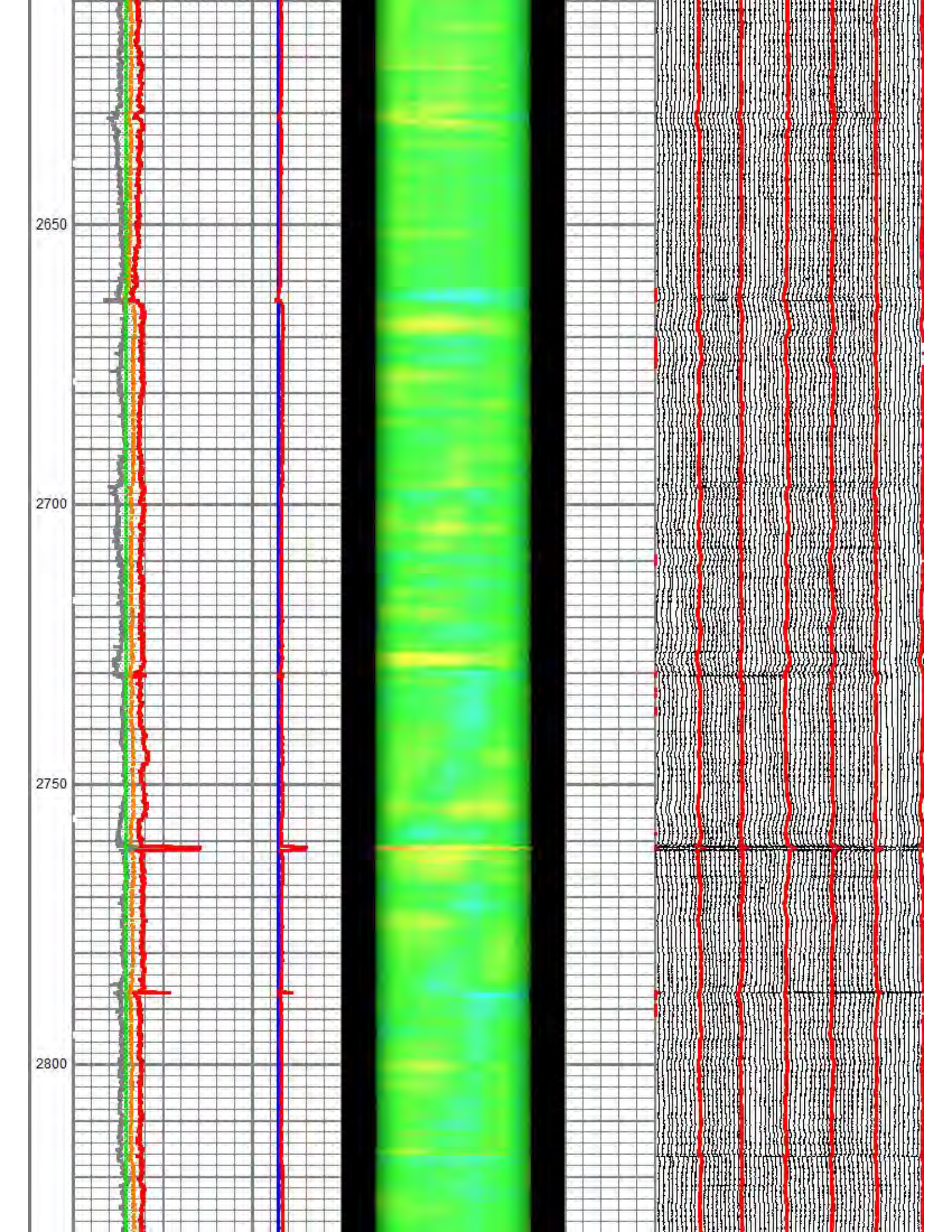
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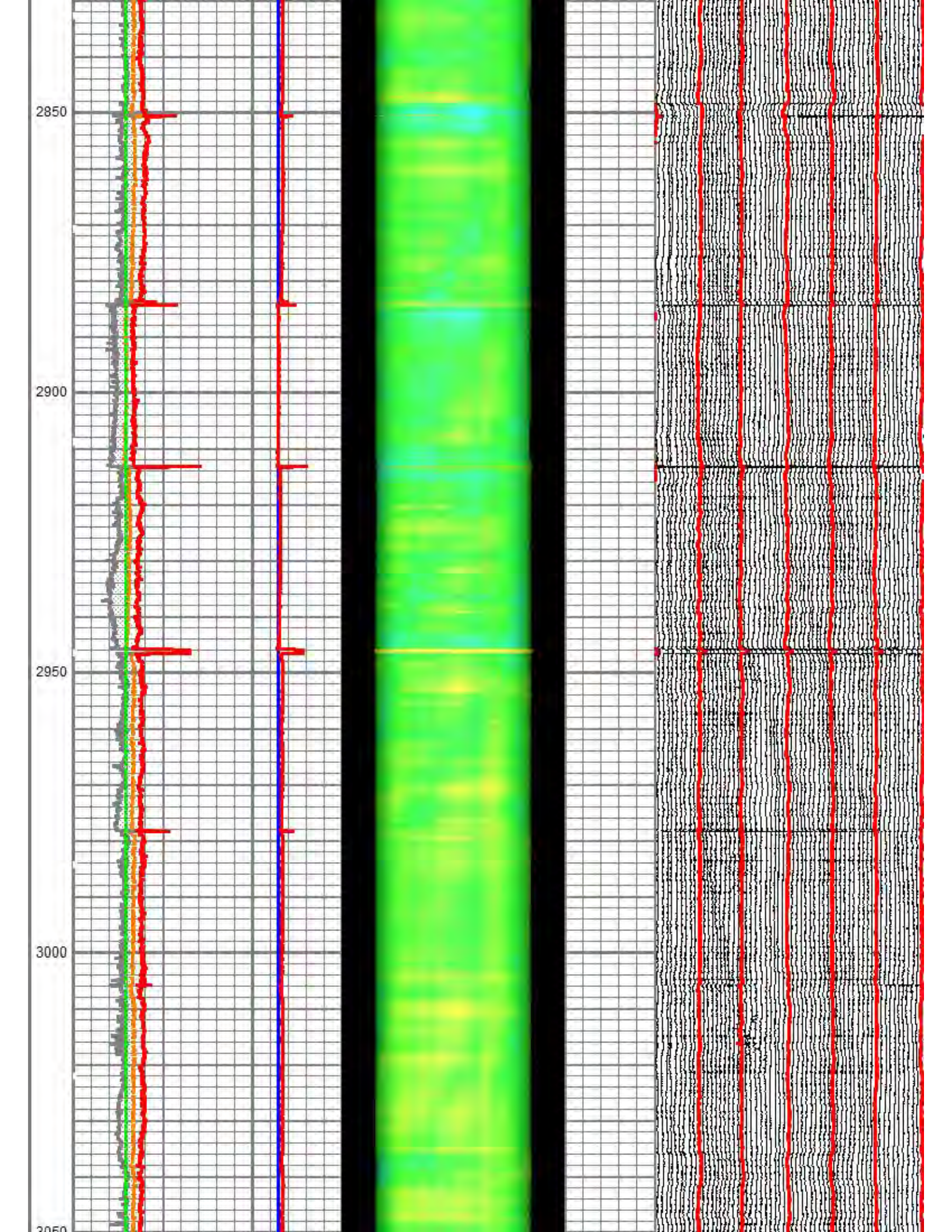
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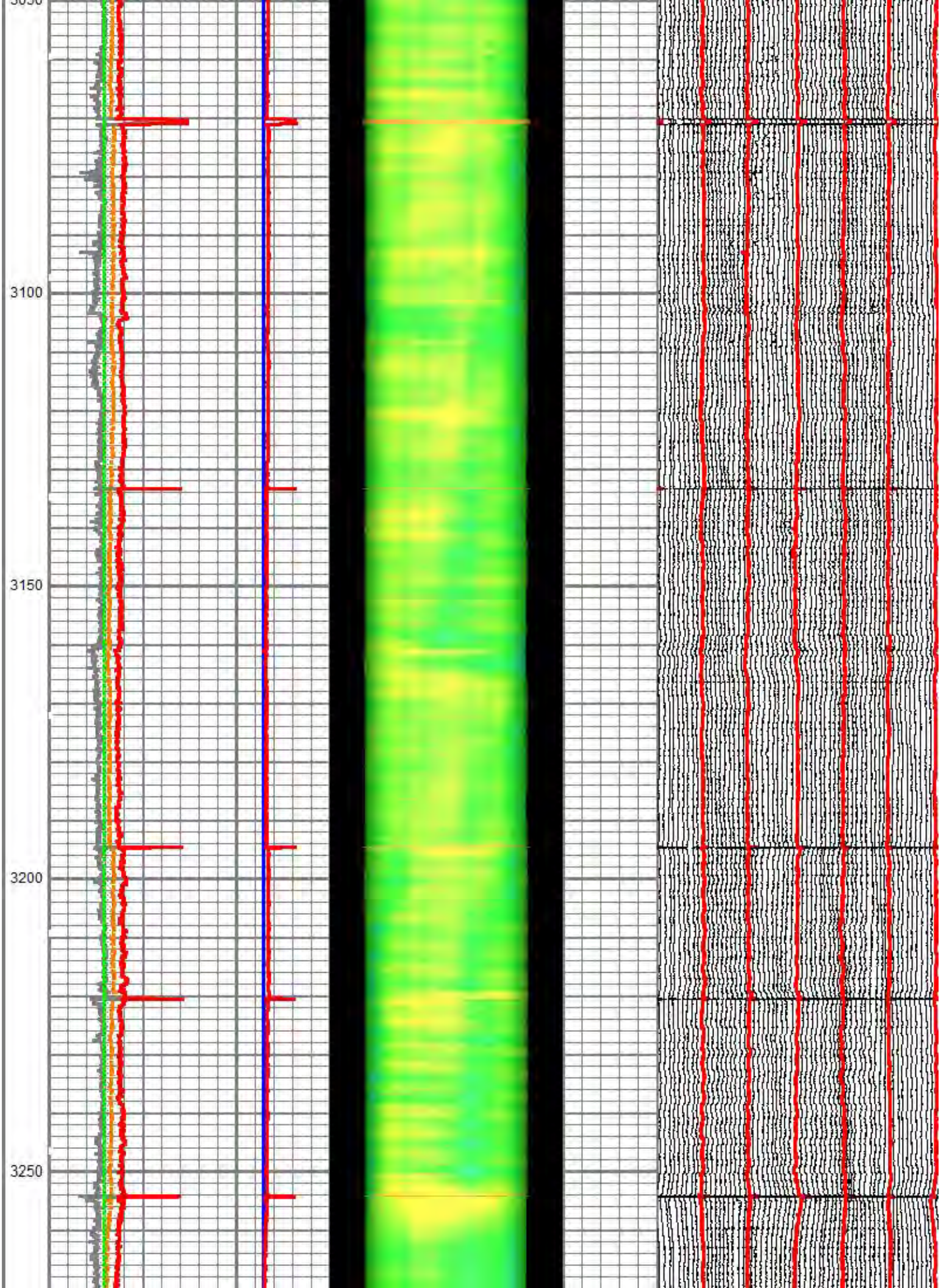
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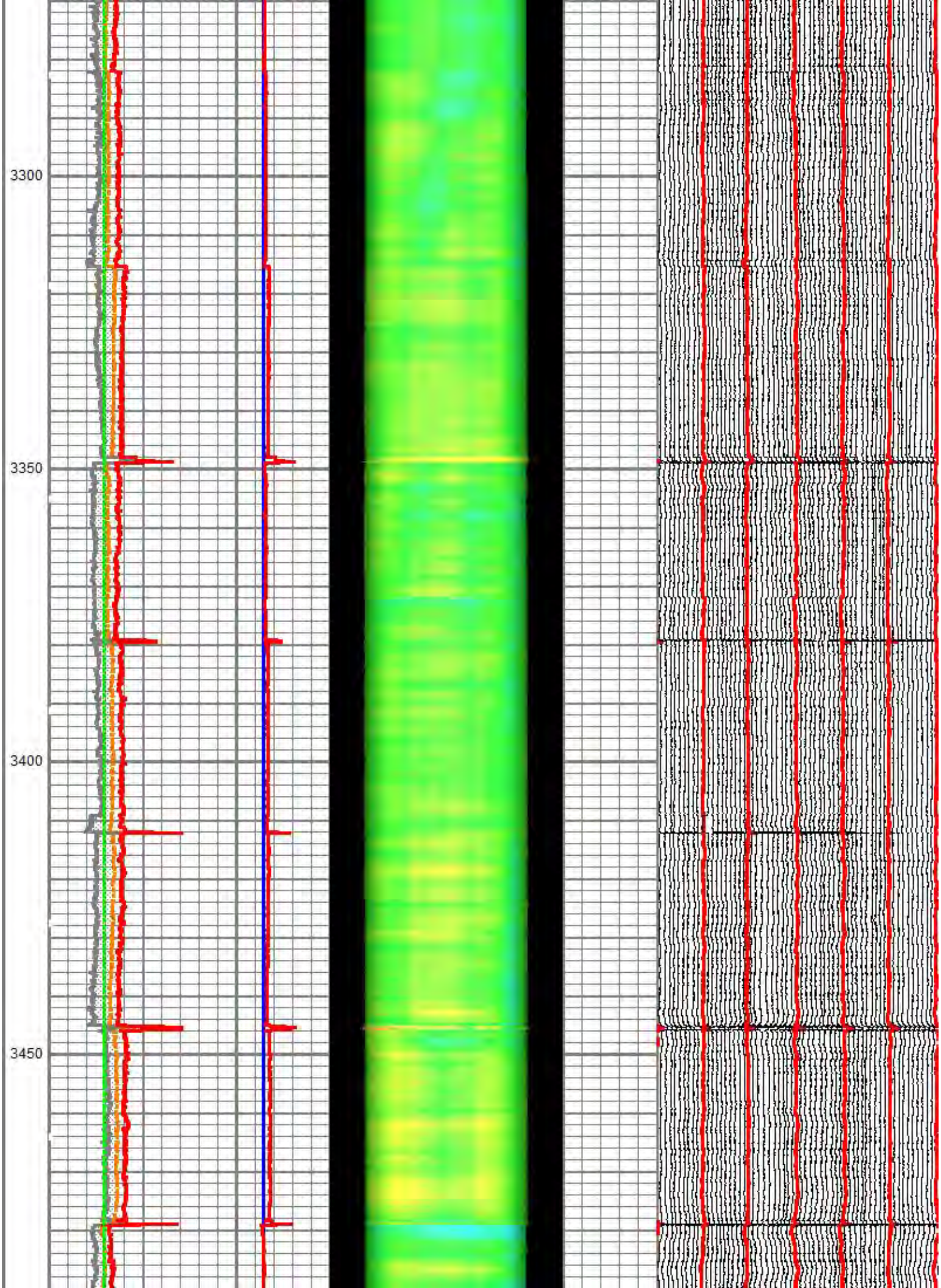
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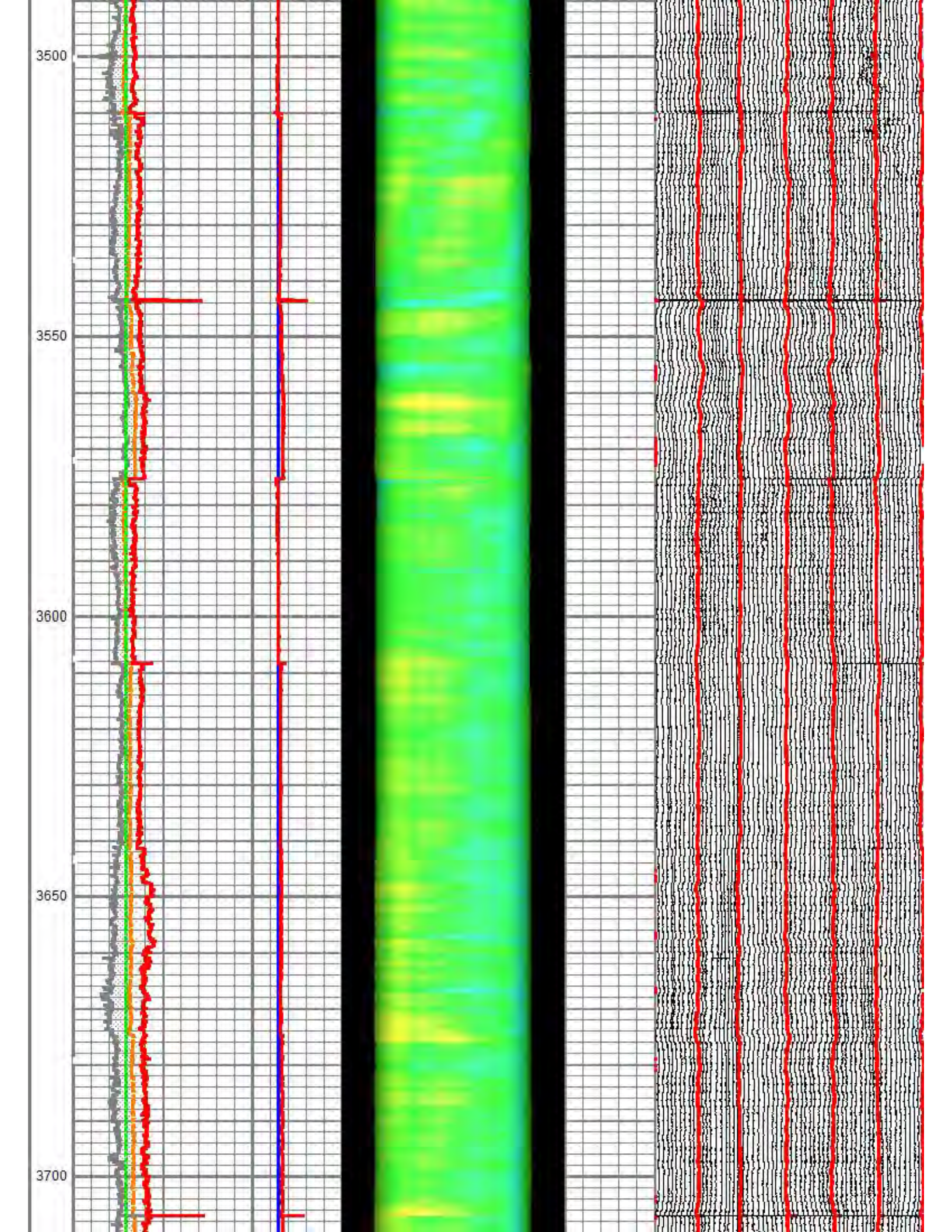
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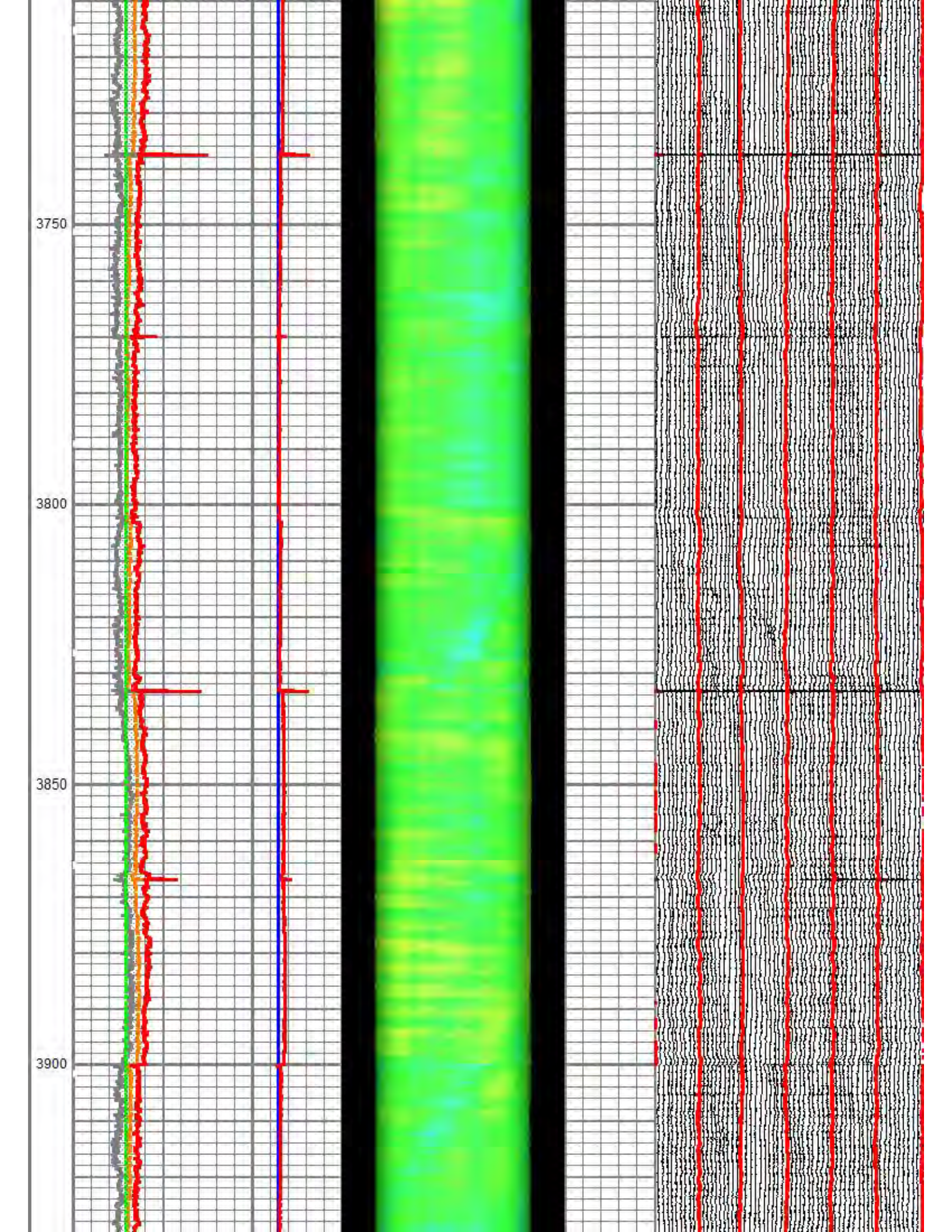
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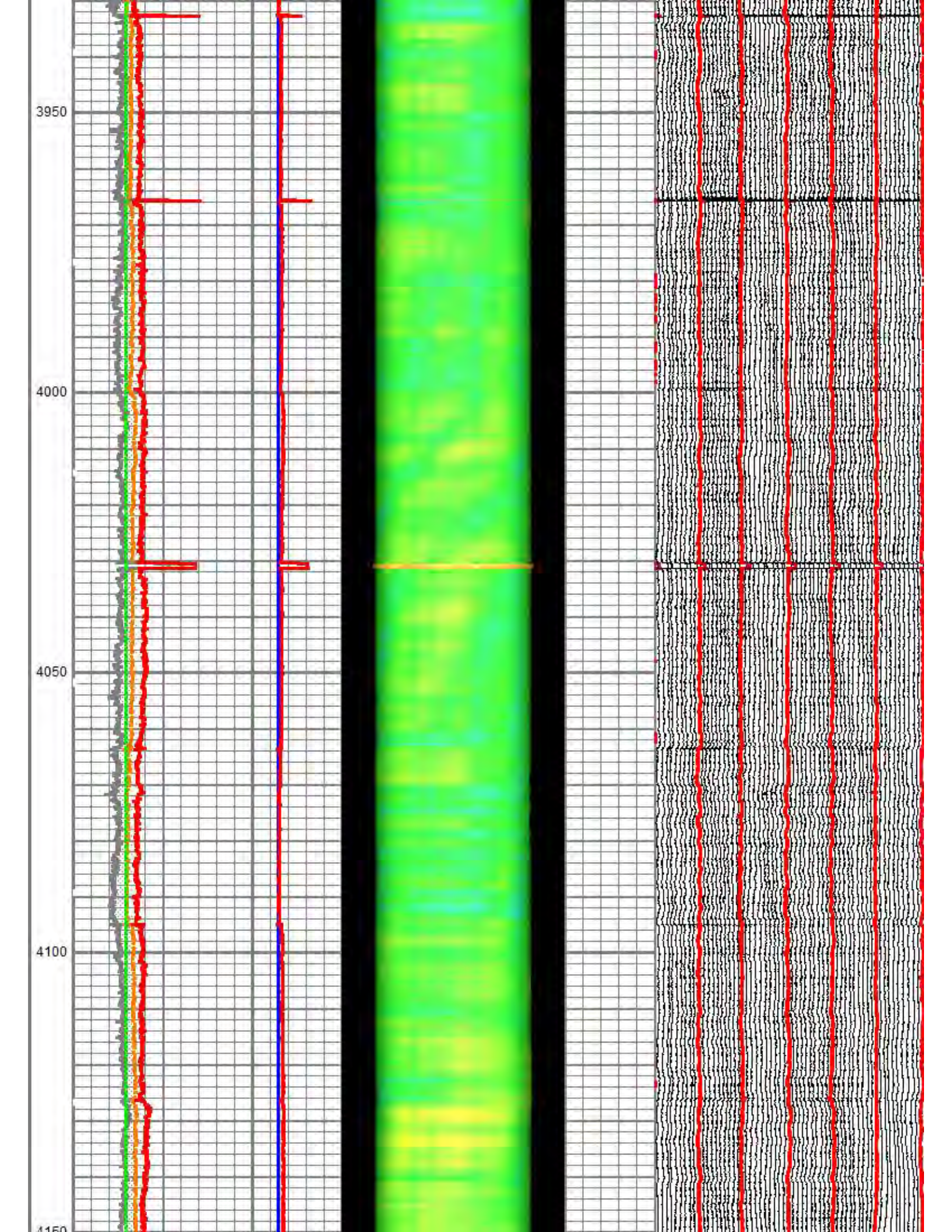
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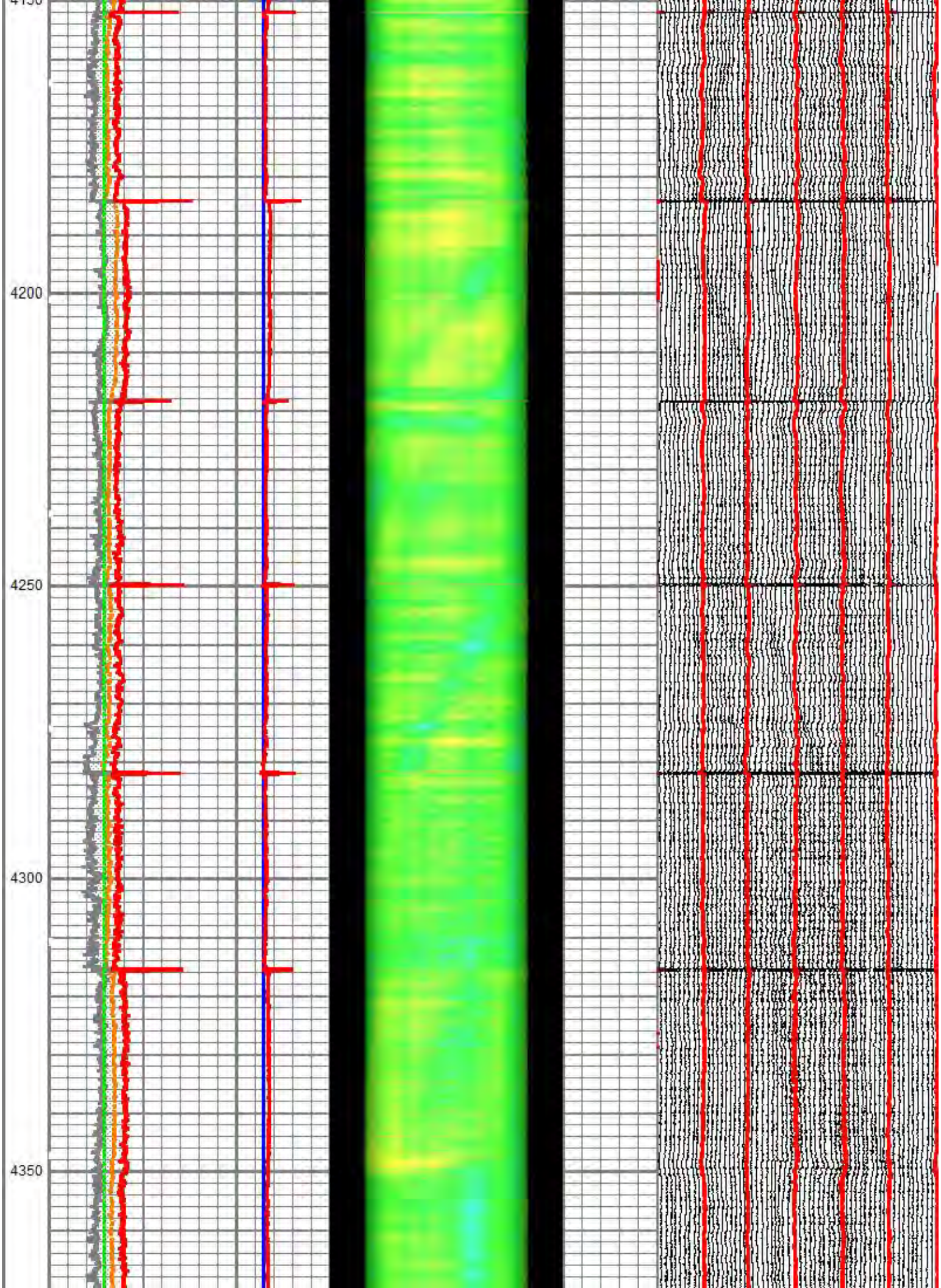
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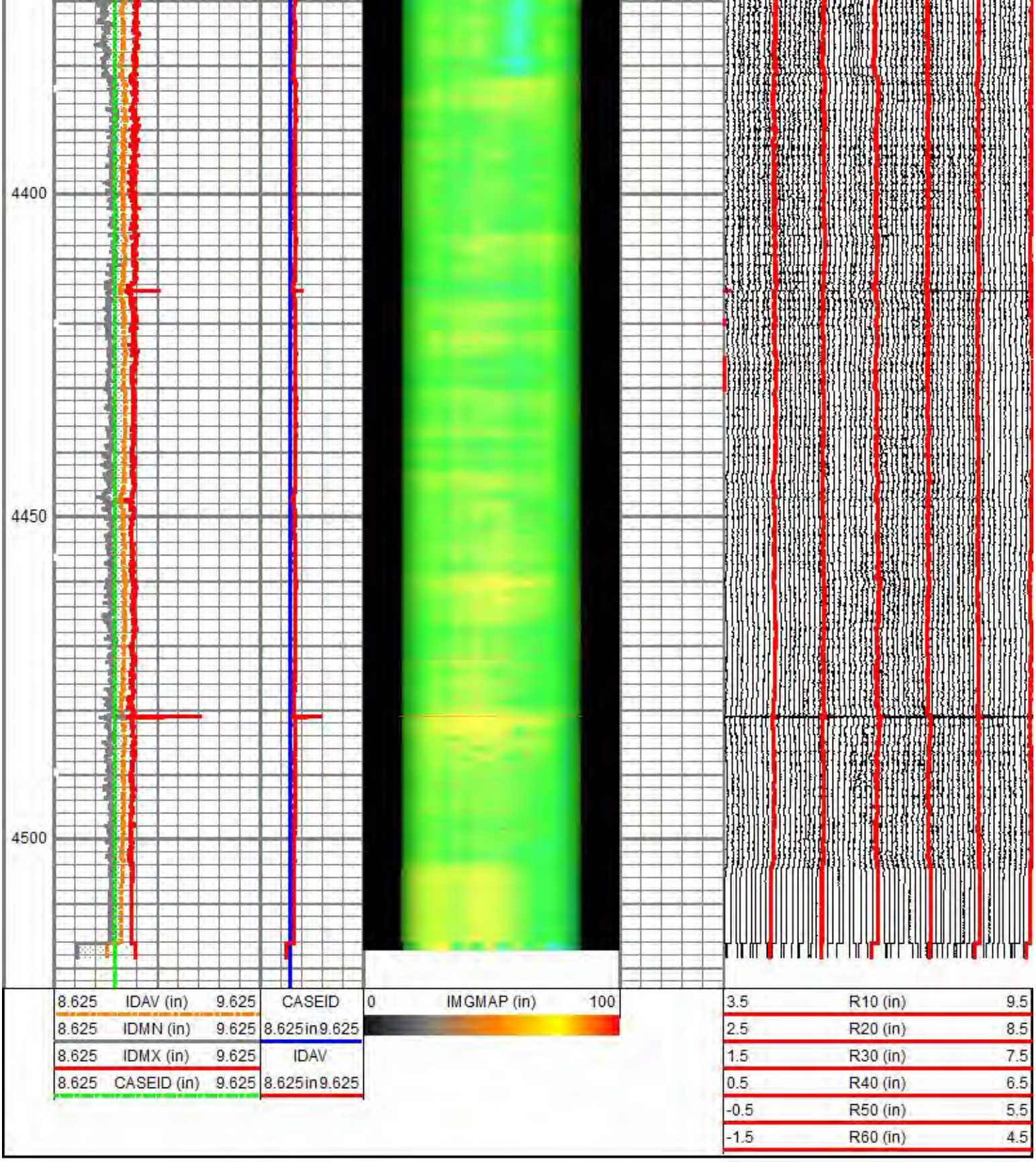

RENEGADE SERVICES

REPEAT PASS

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass6
Presentation Format	pr60im96
Dataset Creation	Tue May 22 13:59:08 2018
Charted by:	Depth in Feet scaled 1:240

Charted by: Depth in Feet scaled 1:240

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8.625	IDMN (in)	9.625	8.625in 9.625		
8.625	IDMX (in)	9.625	IDAV		
8.625	CASEID (in)	9.625	8.625in 9.625		

3.5	R10 (in)	9.5
2.5	R20 (in)	8.5
1.5	R30 (in)	7.5
0.5	R40 (in)	6.5
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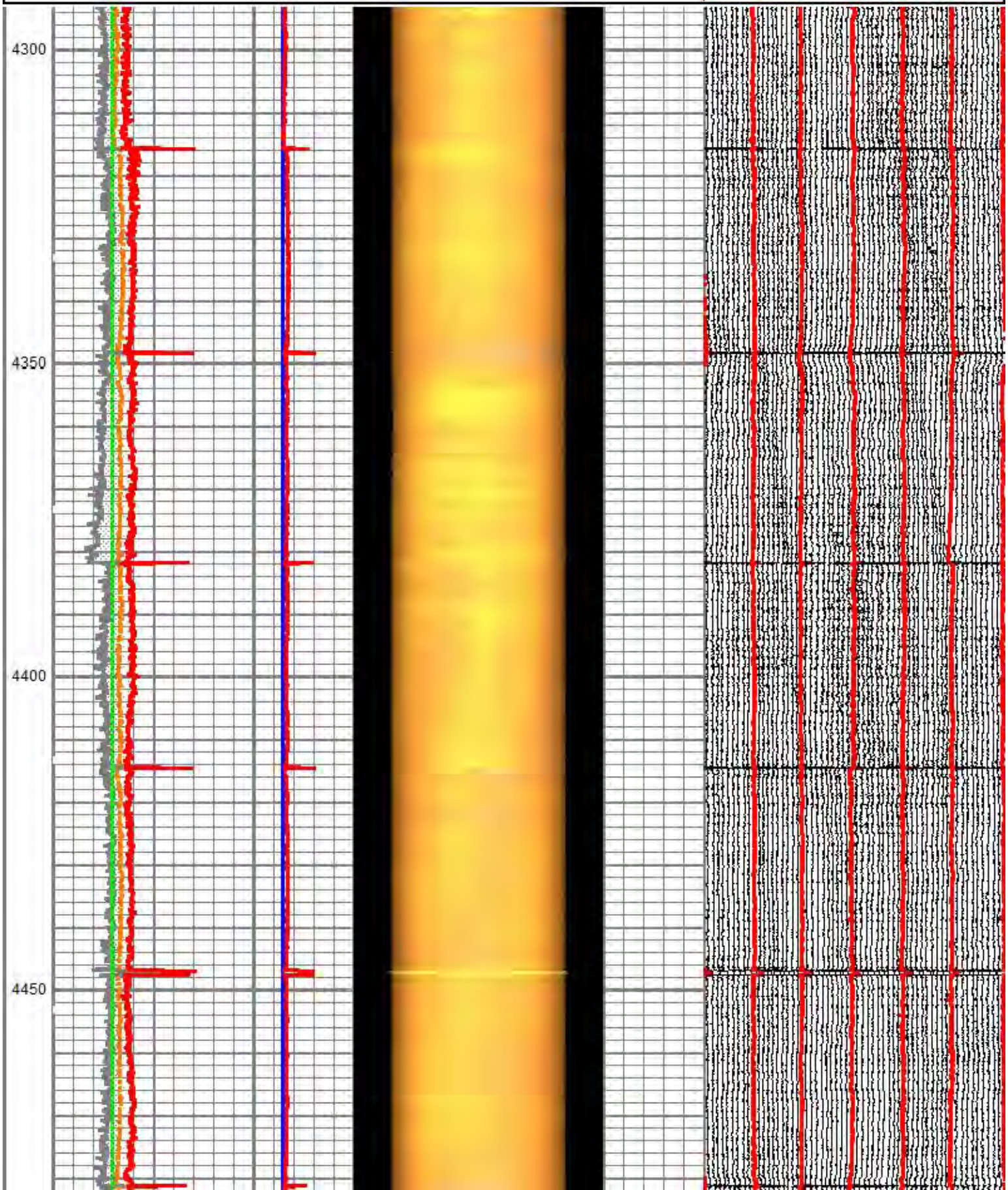
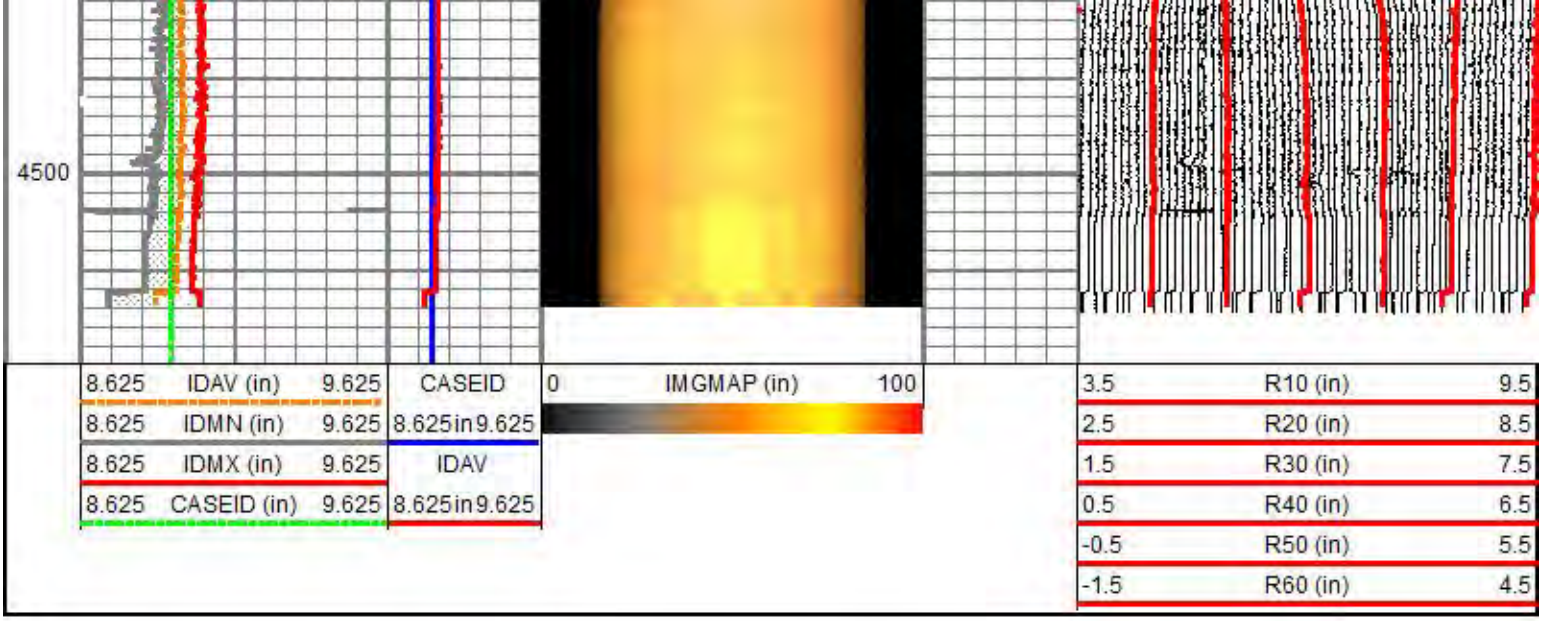
-1.5	R60 (in)	4.5





Log Variables

Database C:\ProgramData\Warrior\Data\llano disposal state 27 #1.db
Dataset field/well/run1/pass8/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASED?	CASEID in	CASEOD in	CASETHCK in	CASEWGHT lb/ft	CMNTTHCK in
TEMP	10.75	100	Yes	8.921	9.625	0.352	36	0.5625

CMTTKCOR	CSTKCOR	MAXAMPL mV	MINAMPL mV	MinAPIWall in	MINATTN db/ft	NPORSEL	PERFS	PPT usec
On	On	51	1	0.317	0.8	Limestone	0	0

SRFTEMP degF	SZCOR	TDEPTH ft
0	On	0

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASED? : Cased hole ?
CASEID : Casing I.D.
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
CMNTTHCK : Cement Thickness
CMTTKCOR : CN CemThk. Cor. ?
CSTKCOR : CN CasThk. Cor. ?
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MinAPIWall : Minimum API Wall Thickness
MINATTN : Minimum Attenuation
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

Calibration Report

Database File llano disposal state 27 #1.db
Dataset Pathname pass8
Dataset Creation Tue May 22 14:19:47 2018

60 Arm Multi Sensor Caliper Calibration Report

Serial Number: FW1404-32
Tool Model: 60_INCL
Performed: Tue May 22 13:32:56 2018

Ref ID:	6.00	7.00	8.00	9.00	-	-
Arm1	2.23	2.82	3.45	4.16	-	-
Arm2	2.44	2.97	3.55	4.20	-	-

Arm3	1.69	2.31	2.97	3.72	-	-
Arm4	2.28	2.80	3.40	4.07	-	-
Arm5	2.82	3.29	3.82	4.38	-	-
Arm6	2.21	2.75	3.36	4.04	-	-
Arm7	3.35	3.78	4.25	4.73	-	-
Arm8	1.73	2.27	2.90	3.65	-	-
Arm9	2.98	3.42	3.91	4.40	-	-
Arm10	3.18	3.59	4.03	4.51	-	-
Arm11	2.21	2.78	3.45	4.18	-	-
Arm12	3.17	3.59	4.03	4.49	-	-
Arm13	2.95	3.45	3.98	4.50	-	-
Arm14	3.14	3.62	4.11	4.57	-	-
Arm15	2.73	3.22	3.73	4.24	-	-
Arm16	3.24	3.72	4.21	4.65	-	-
Arm17	2.48	2.97	3.48	3.99	-	-
Arm18	3.22	3.72	4.23	4.65	-	-
Arm19	1.64	2.28	2.93	3.55	-	-
Arm20	3.10	3.57	4.03	4.47	-	-
Arm21	3.16	3.65	4.13	4.56	-	-
Arm22	2.92	3.41	3.91	4.37	-	-
Arm23	2.00	2.58	3.25	3.91	-	-
Arm24	3.26	3.78	4.26	4.64	-	-
Arm25	1.84	2.52	3.20	3.80	-	-
Arm26	3.24	3.72	4.17	4.57	-	-
Arm27	2.53	3.05	3.55	4.00	-	-
Arm28	3.30	3.76	4.20	4.59	-	-
Arm29	1.51	2.26	3.03	3.70	-	-
Arm30	3.35	3.87	4.36	4.74	-	-

* Bad

Ref ID:	6.00	7.00	8.00	9.00	-	-
Arm31	3.07	3.58	4.06	4.48	-	-
Arm32	2.94	3.47	3.99	4.43	-	-
Arm33	3.16	3.68	4.18	4.61	-	-
Arm34	3.13	3.61	4.07	4.49	-	-
Arm35	1.95	2.62	3.28	3.87	-	-
Arm36	2.87	3.37	3.85	4.29	-	-
Arm37	1.66	2.32	2.98	3.59	-	-
Arm38	2.76	3.22	3.68	4.12	-	-
Arm39	2.73	3.20	3.67	4.12	-	-
Arm40	2.14	2.76	3.40	4.04	-	-
Arm41	2.05	2.66	3.30	3.94	-	-
Arm42	1.95	2.53	3.12	3.67	-	-
Arm43	3.11	3.61	4.11	4.58	-	-
Arm44	1.90	2.54	3.18	3.81	-	-
Arm45	2.97	3.43	3.90	4.37	-	-
Arm46	2.87	3.34	3.82	4.31	-	-
Arm47	2.60	3.18	3.79	4.40	-	-
Arm48	2.11	2.63	3.22	3.86	-	-
Arm49	3.10	3.54	4.01	4.49	-	-
Arm50	2.89	3.24	3.71	4.16	-	-
Arm51	1.88	2.43	3.06	3.78	-	-
Arm52	2.00	2.49	3.09	3.77	-	-
Arm53	2.30	2.91	3.54	4.24	-	-
Arm54	2.32	2.87	3.46	4.12	-	-
Arm55	2.01	2.56	3.16	3.84	-	-
Arm56	3.04	3.45	3.88	4.37	-	-
Arm57	2.92	3.34	3.80	4.32	-	-
Arm58	2.20	2.74	3.35	4.03	-	-
Arm59	2.08	2.62	3.22	3.90	-	-
Arm60	3.08	3.48	3.92	4.42	-	-

* Bad

PROBE verifications Calibration Report

Performed:	Pre Verification	Post Verification	Casing Check	
Ref ID:	0.00	0.00	0.00	in

Min.	0.00	0.00	0.00	in
Max.	0.00	0.00	0.00	in
Avg.	0.00	0.00	0.00	in
Dia1	0.00	0.00	0.00	in
Dia2	0.00	0.00	0.00	in
Dia3	0.00	0.00	0.00	in
Dia4	0.00	0.00	0.00	in
Dia5	0.00	0.00	0.00	in
Dia6	0.00	0.00	0.00	in
Dia7	0.00	0.00	0.00	in
Dia8	0.00	0.00	0.00	in
Dia9	0.00	0.00	0.00	in
Dia10	0.00	0.00	0.00	in
Dia11	0.00	0.00	0.00	in
Dia12	0.00	0.00	0.00	in
Dia13	0.00	0.00	0.00	in
Dia14	0.00	0.00	0.00	in
Dia15	0.00	0.00	0.00	in
Dia16	0.00	0.00	0.00	in
Dia17	0.00	0.00	0.00	in
Dia18	0.00	0.00	0.00	in
Dia19	0.00	0.00	0.00	in
Dia20	0.00	0.00	0.00	in
Dia21	0.00	0.00	0.00	in
Dia22	0.00	0.00	0.00	in
Dia23	0.00	0.00	0.00	in
Dia24	0.00	0.00	0.00	in
Dia25	0.00	0.00	0.00	in
Dia26	0.00	0.00	0.00	in
Dia27	0.00	0.00	0.00	in
Dia28	0.00	0.00	0.00	in
Dia29	0.00	0.00	0.00	in
Dia30	0.00	0.00	0.00	in

Inclinometer Calibration Report

Performed: (Not Performed)

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD (GOI) Standard Cable Head	1.00	1.38	10.00
			CENT-Probe Probe 2 3/4 Centralizer	2.75	2.75	20.00

ACCZ	7.75				
ACCY	7.75				
ACCX	7.75				
		Probe_MFCAL-60_INCL (FW1404-32) Probe 60 Arm Multi Sensor Caliper	7.57	3.63	135.00
ETEMP	5.25				
Meas	4.42				
		CENT-Probe Probe 2 3/4 Centralizer	2.75	2.75	20.00

Dataset:	llano disposal state 27 #1.db: field/well/run1/pass8
Total length:	14.07 ft
Total weight:	185.00 lb
O.D.:	3.63 in

Company	LLANO DISPOSAL LLC.		
Well	STATE 27 #1		
Field			
County	LEA		
State	NEW MEXICO	Country	U.S.A.

RADIAL CEMENT BOND GAMMA-RAY / CCL LOG

Company	LLANO DISPOSAL LLC.
Well	STATE 27 #1
Field	
County	LEA
State	NEW MEXICO Country U.S.A.

Company LLANO DISPOSAL LLC.
Well STATE 27 #1
Field
County LEA
State NEW MEXICO Country U.S.A.

Location: API # :
SEC TWP RGE
N/A

Other Services
CNL
CIL

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

Permanent Datum	GROUND LEVEL
Log Measured From	GROUND LEVEL
Drilling Measured From	KELLY BUSHING

Elevation ---

Date	22-MAY-2018
Run Number	ONE
Depth Driller	13500'
Depth Logger	4511'
Bottom Logged Interval	4511'
Top Log Interval	SURFACE
Open Hole Size	---
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	104 DEG.
Estimated Cement Top	220'
Time Well Ready	ROA
Time Logger on Bottom	SEE LOG
Equipment Number	113
Location	LEVELAND
Recorded By	DEREK MOORE
Witnessed By	MARVIN BURROWS

Borehole Record

Run Number	Bit	From	To

Tubing Record

Size	Wgt/Ft	Top	Bottom

Casing Record

	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	9.625"	36# & 32#	SURFACE	13500'
Liner				

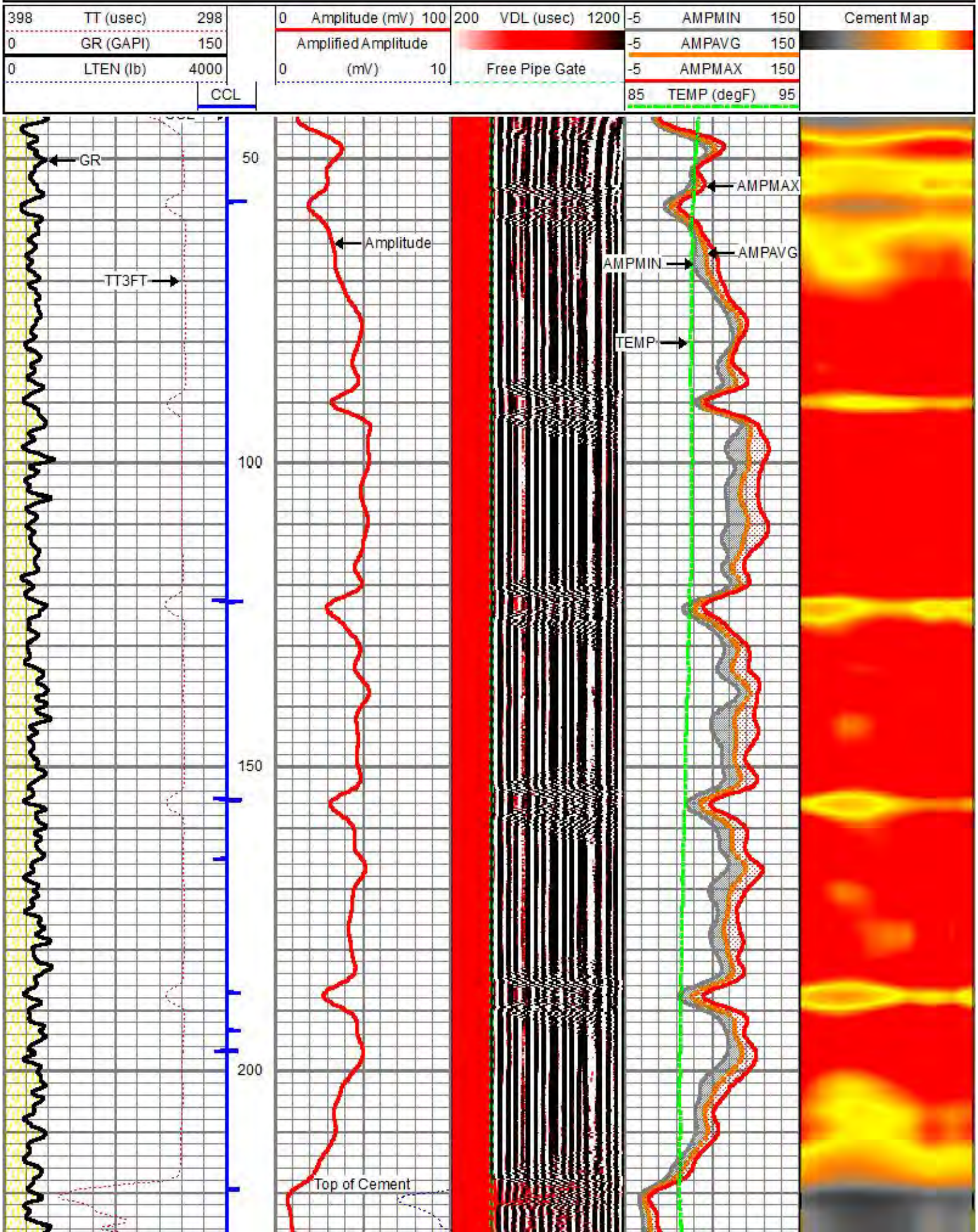
<<< Fold Here >>>

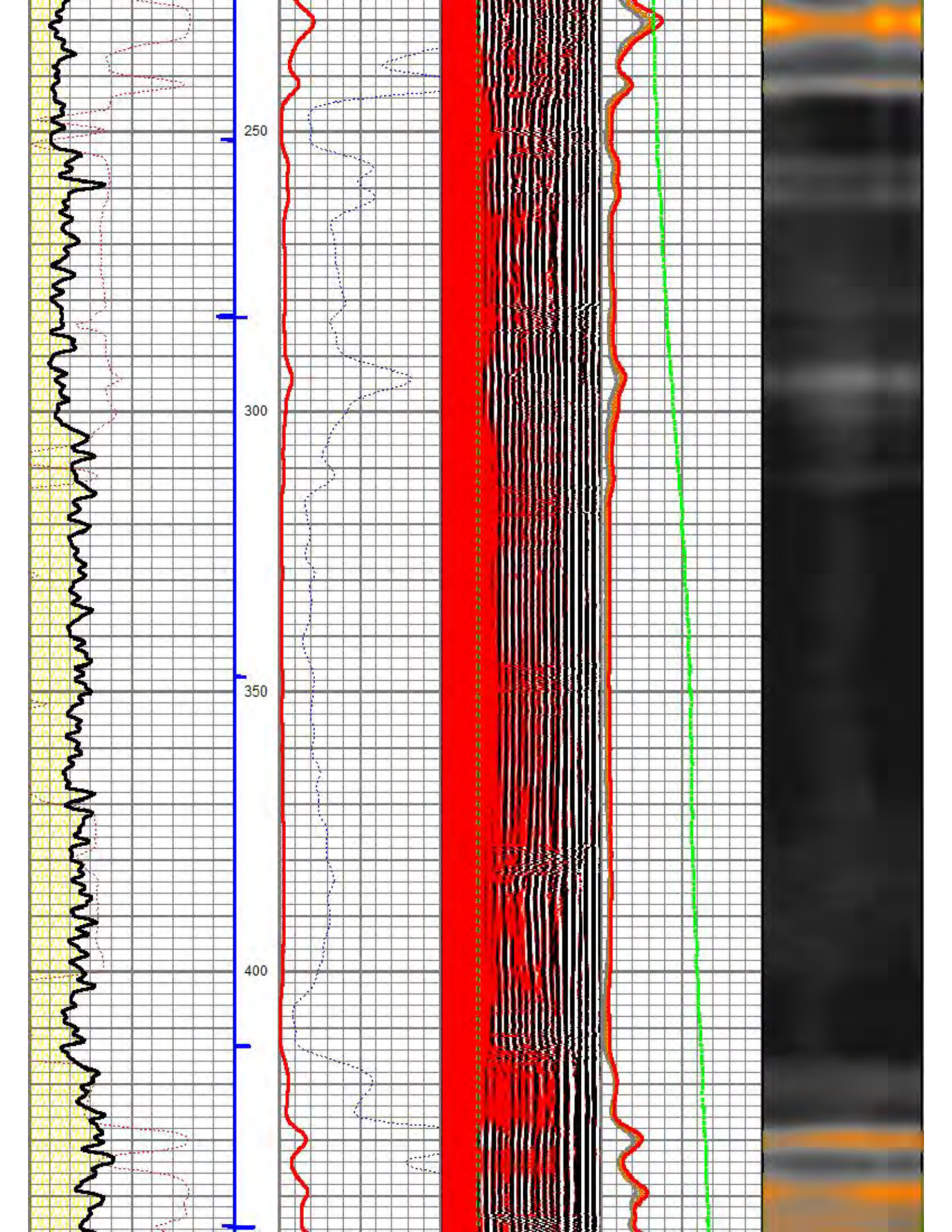
Comments

ALL DEPTHS ARE LOGGER DEPTHS ONLY

MAIN PASS

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4
Presentation Format	rrcblmx96
Dataset Creation	Tue May 22 11:29:16 2018
Charted by	Depth in Feet scaled 1:240

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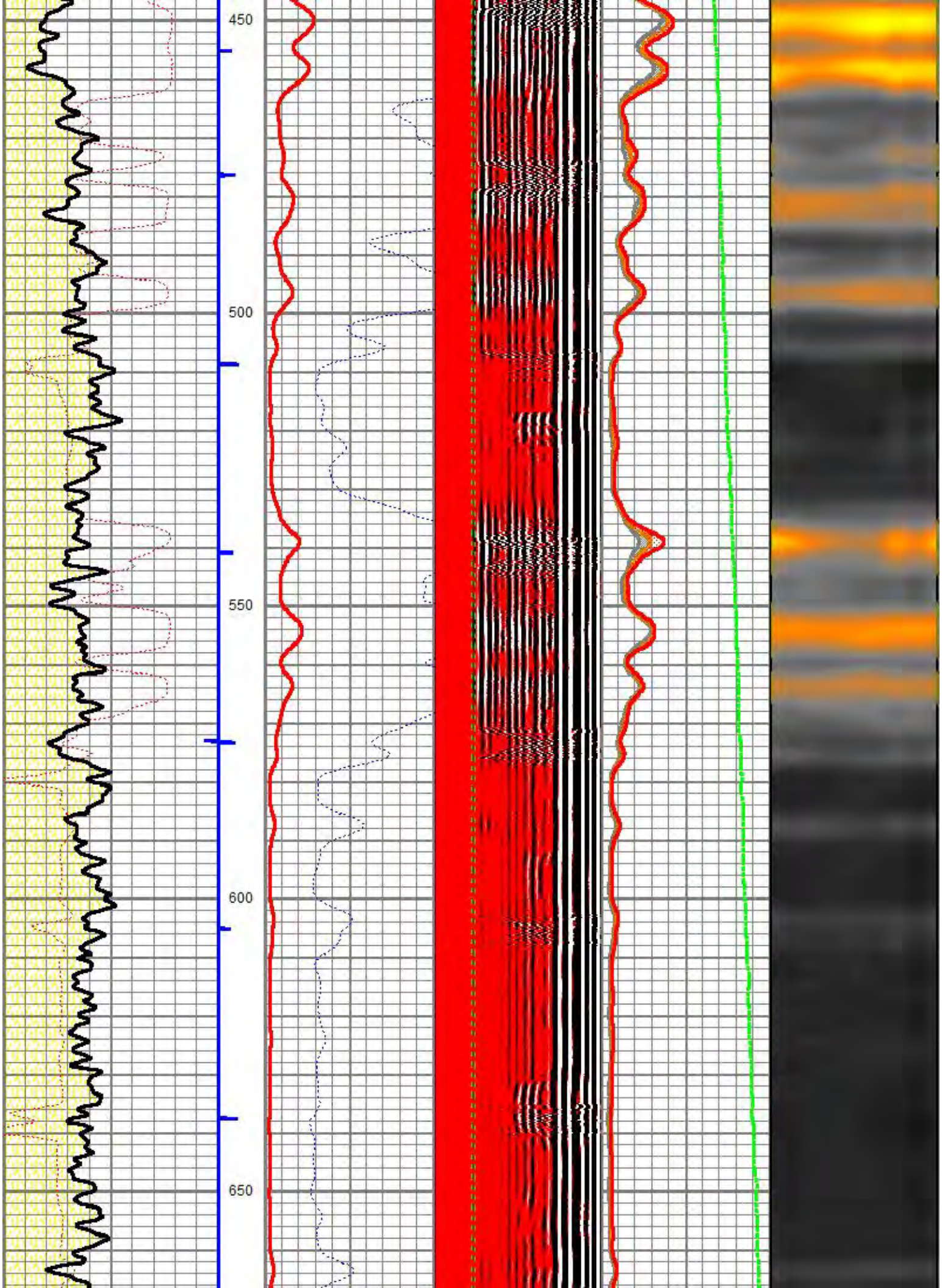
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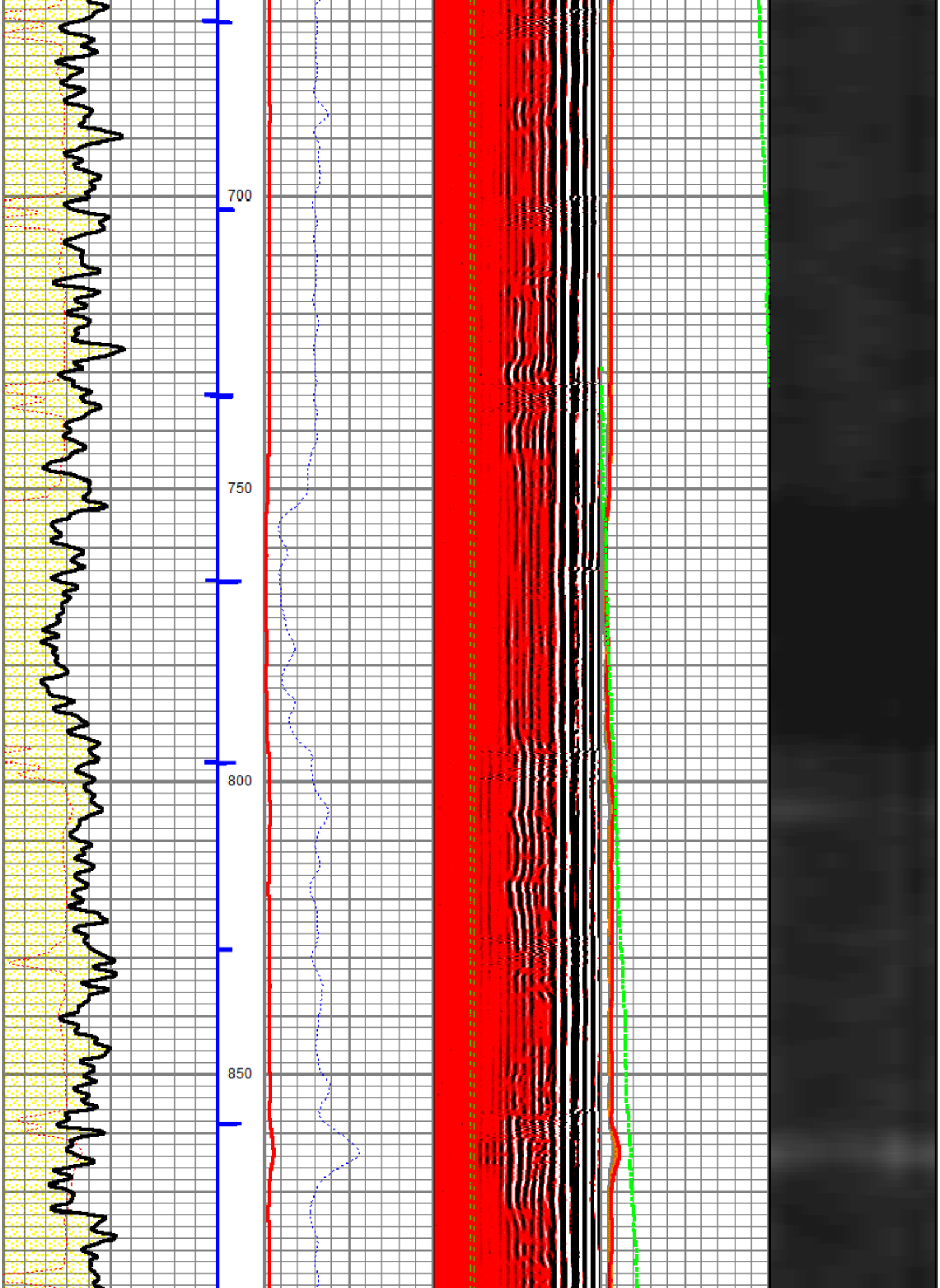
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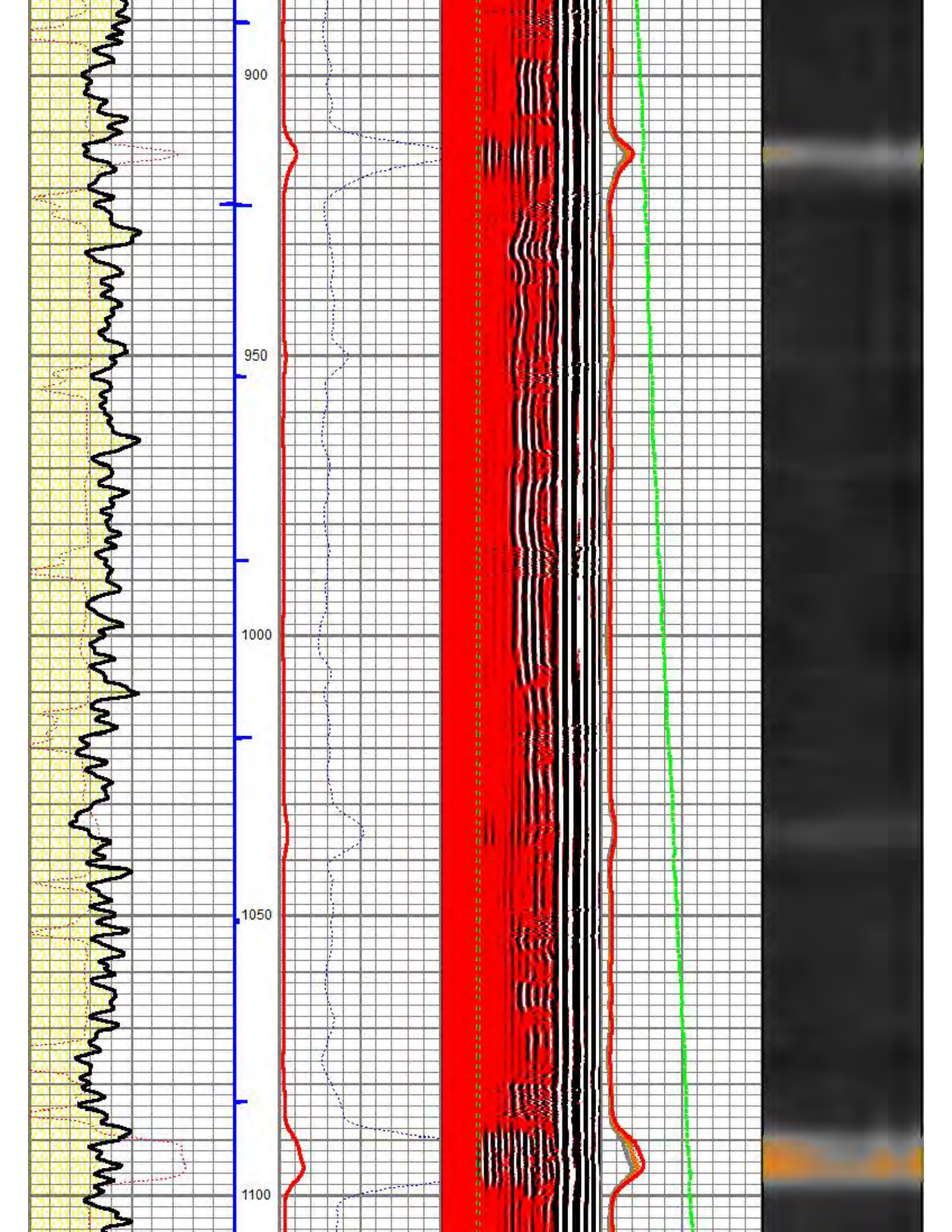
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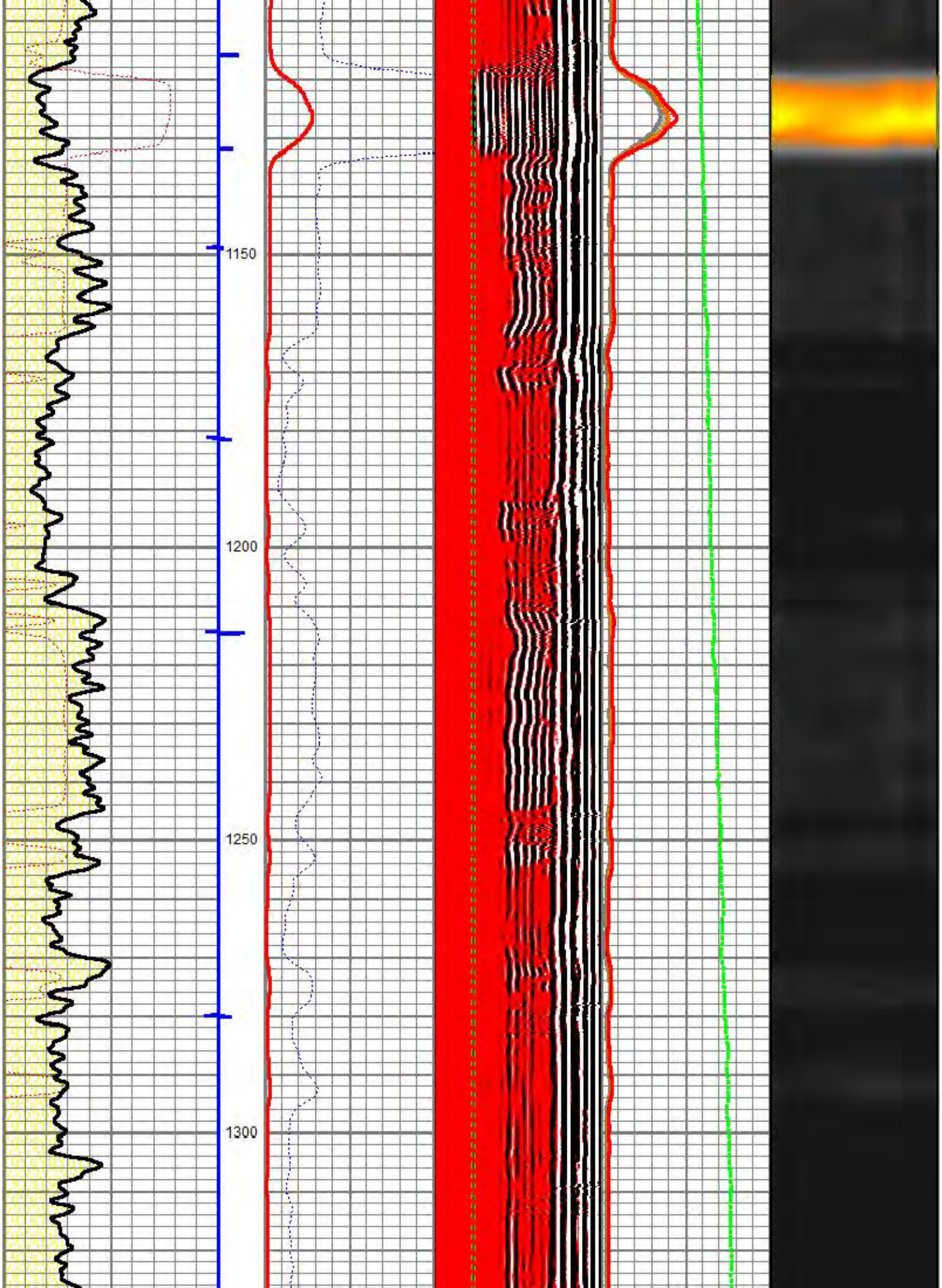
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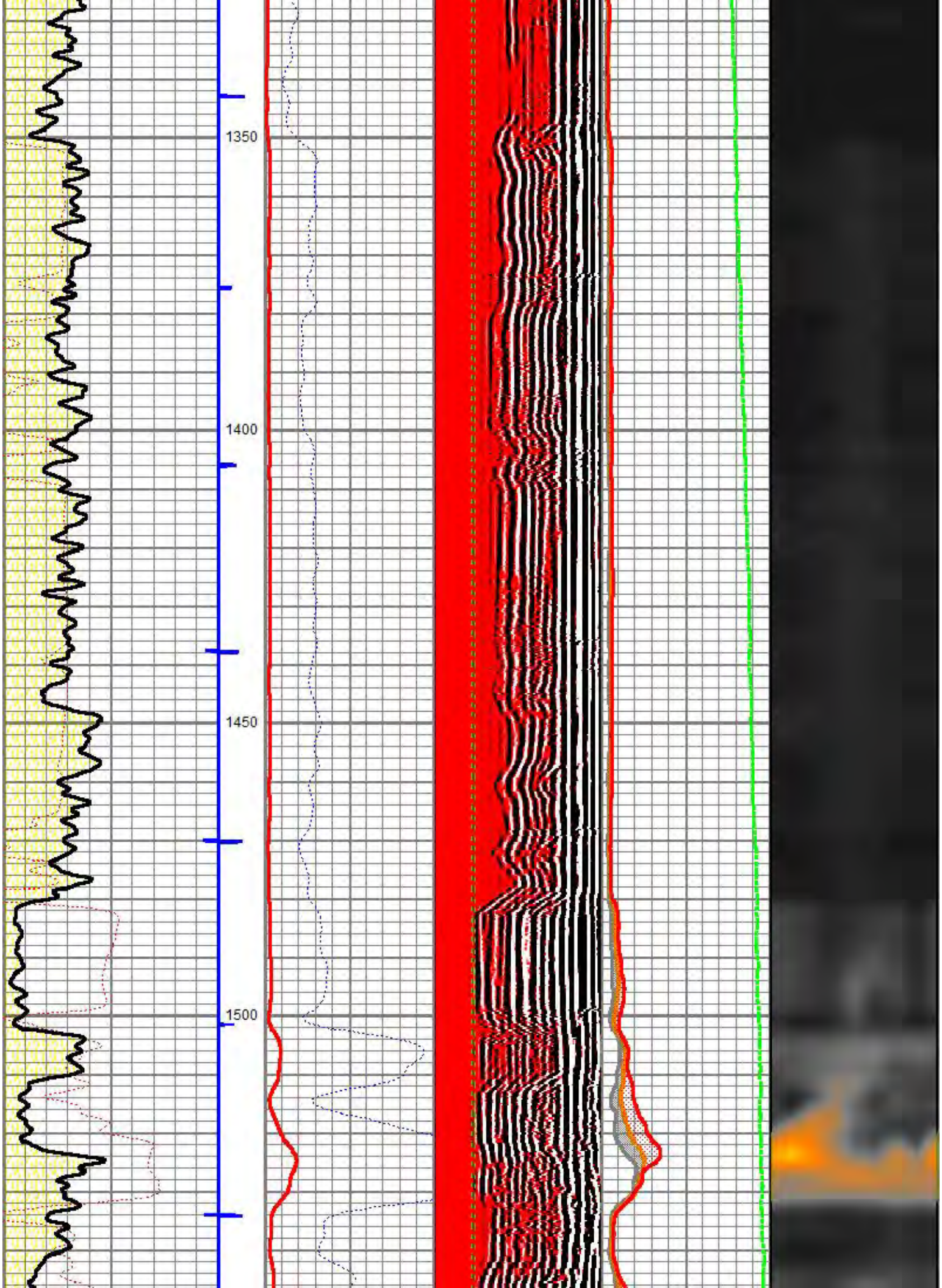
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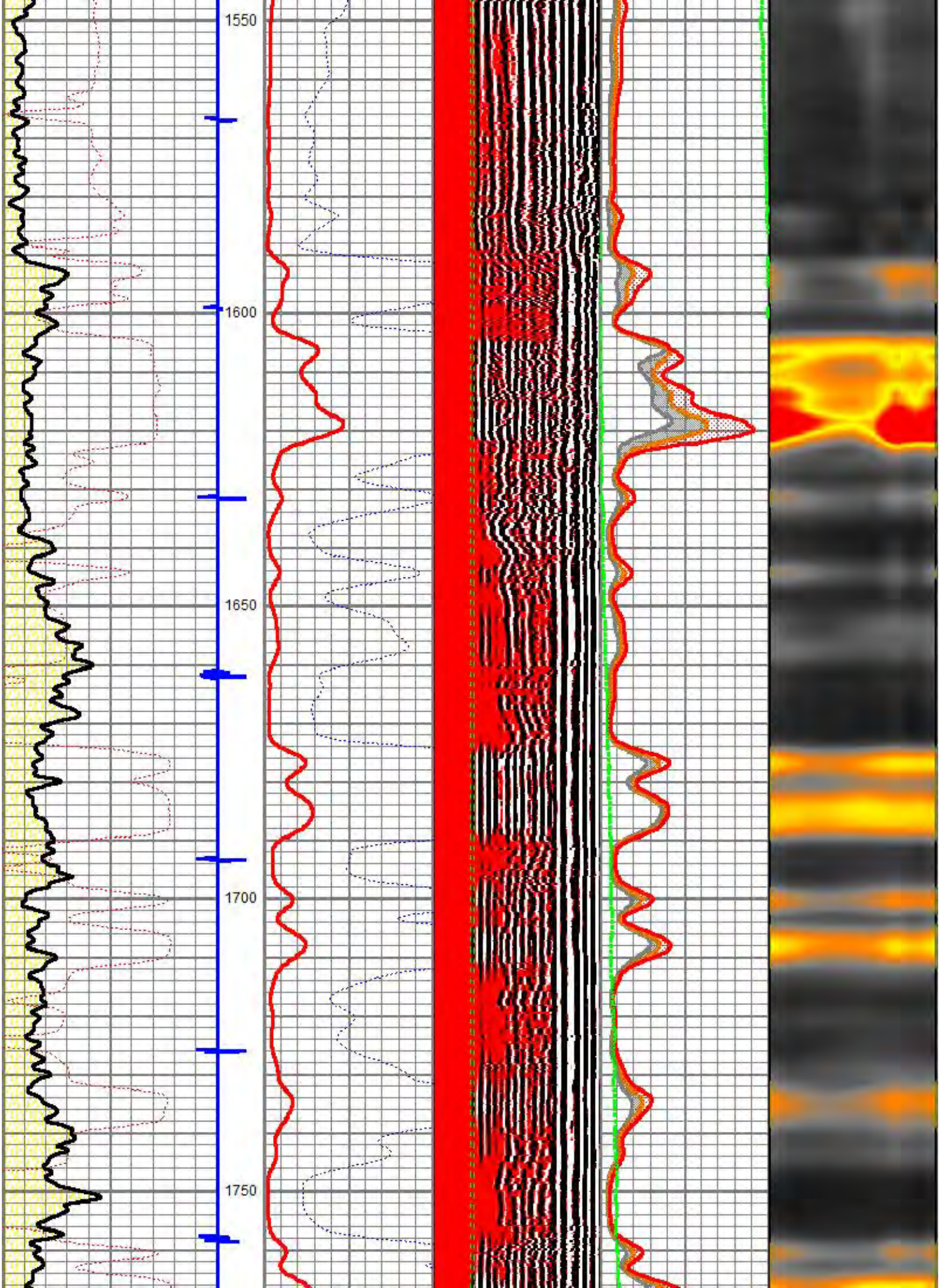
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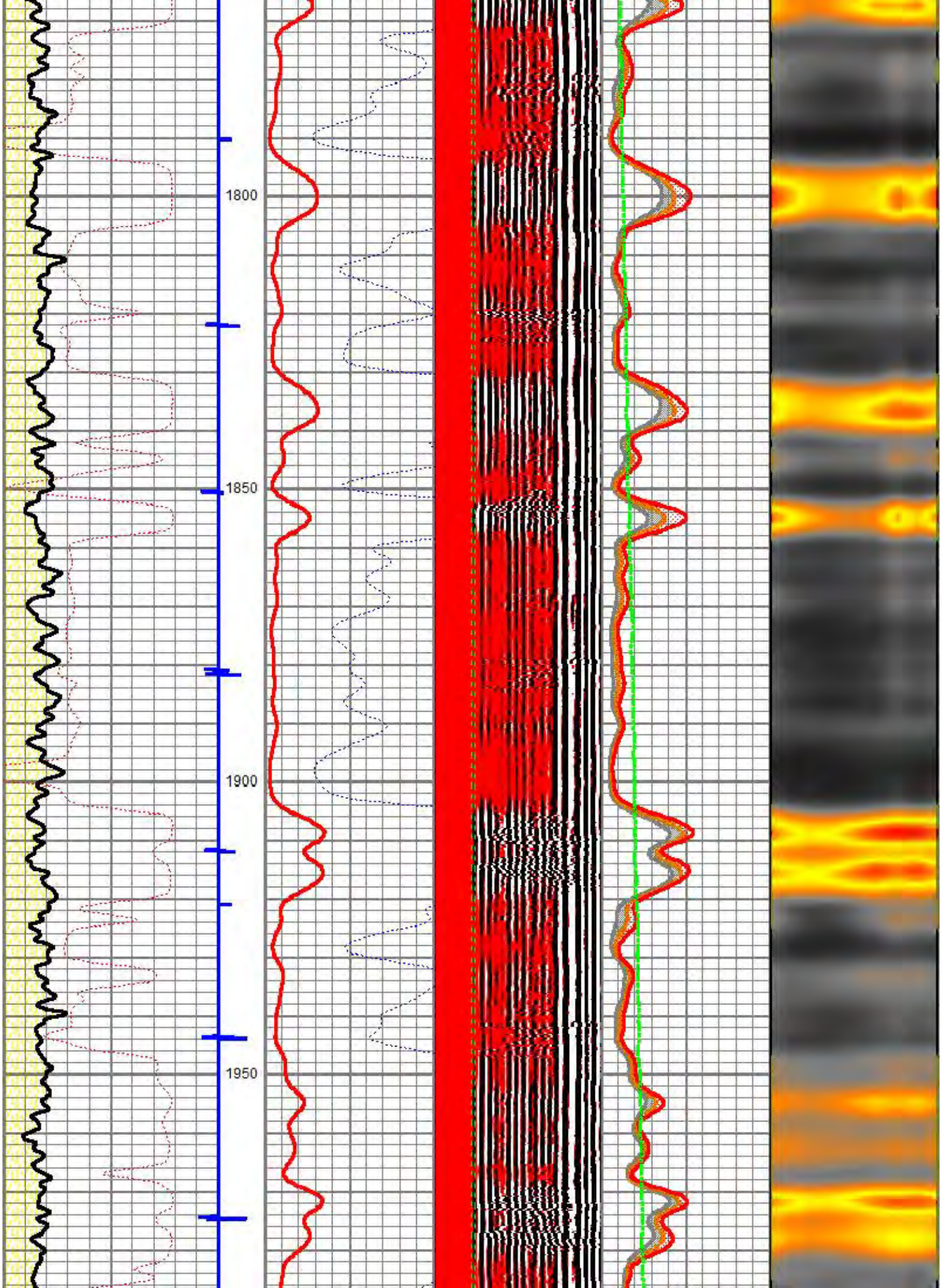
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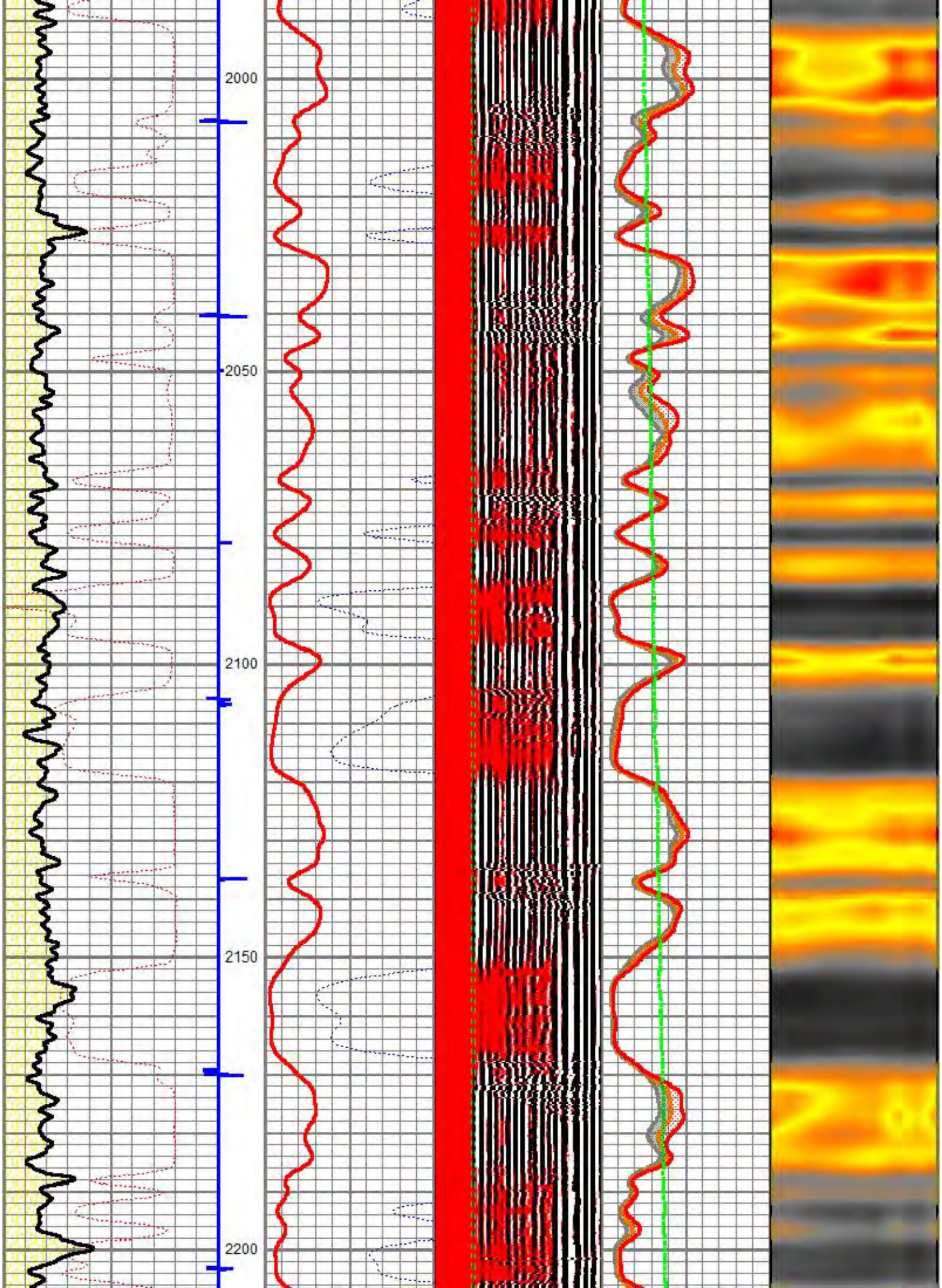
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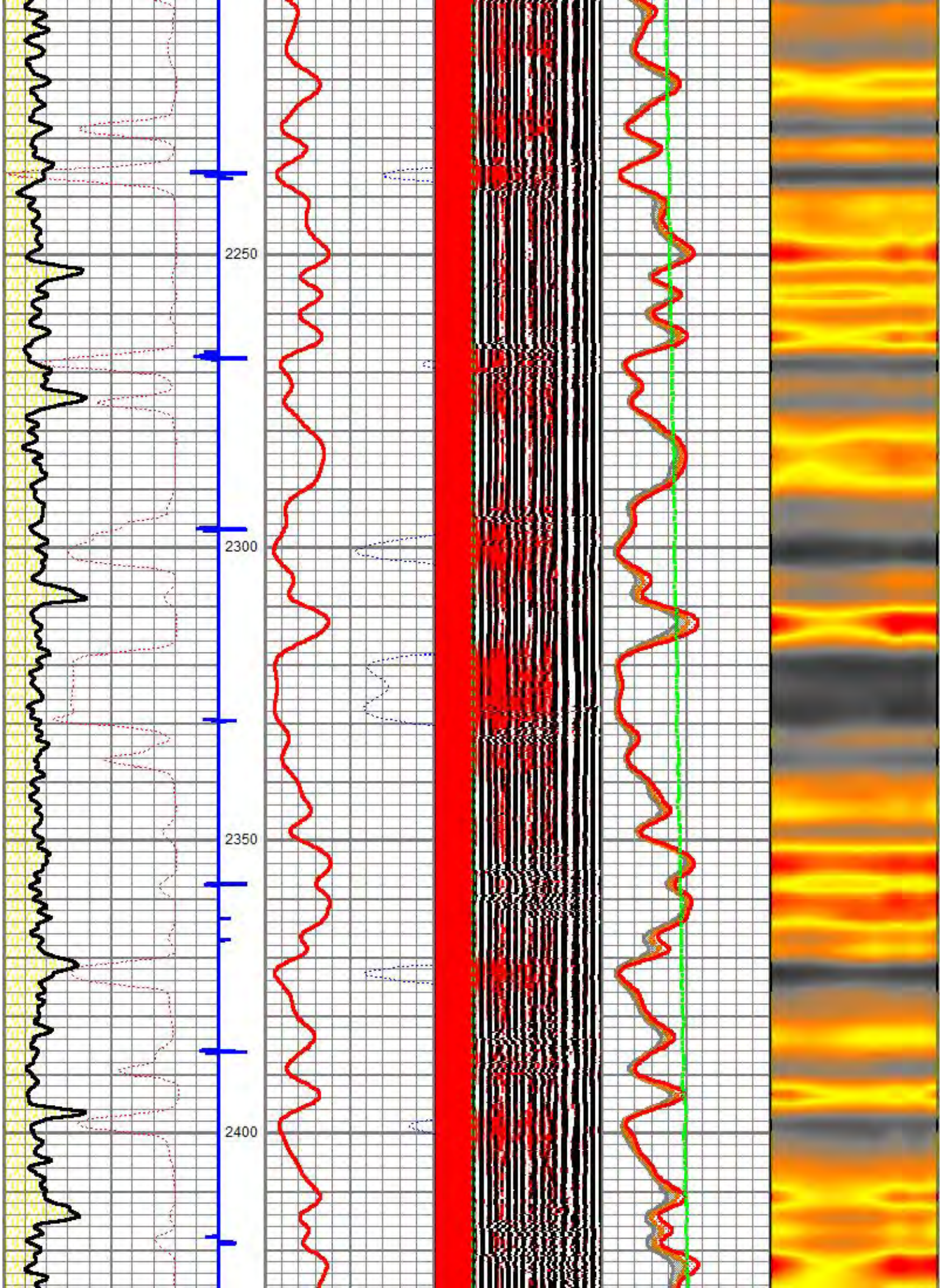
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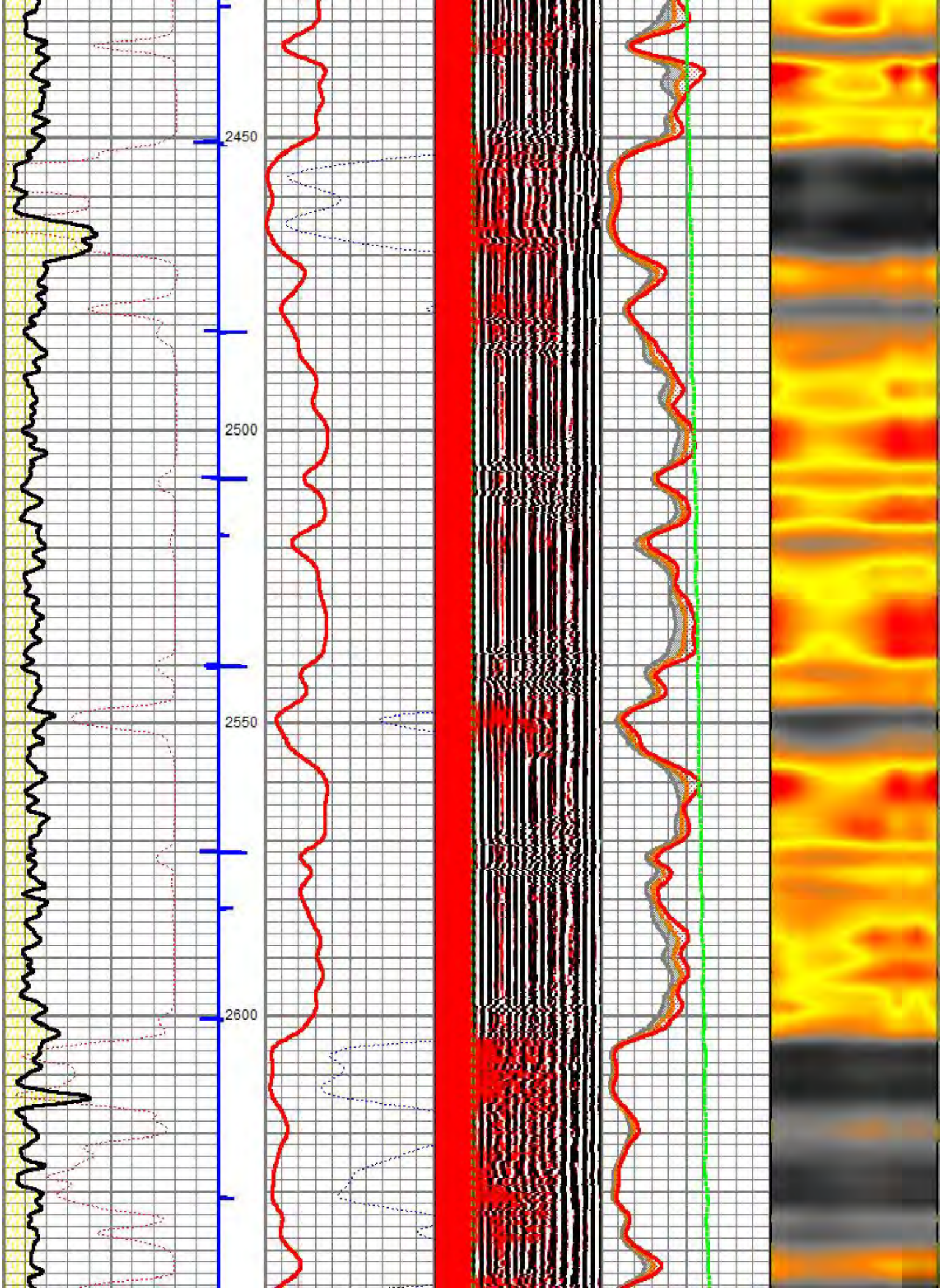
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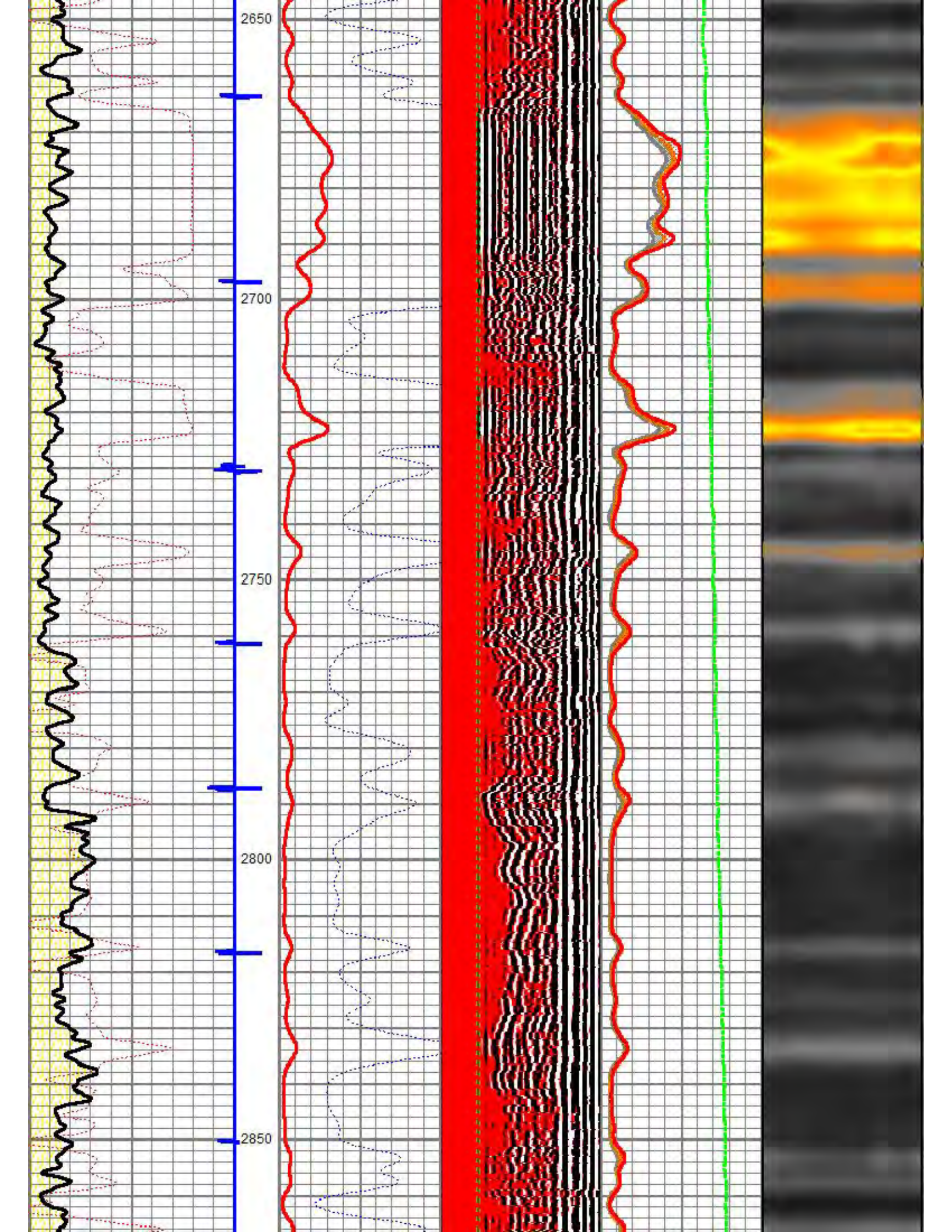
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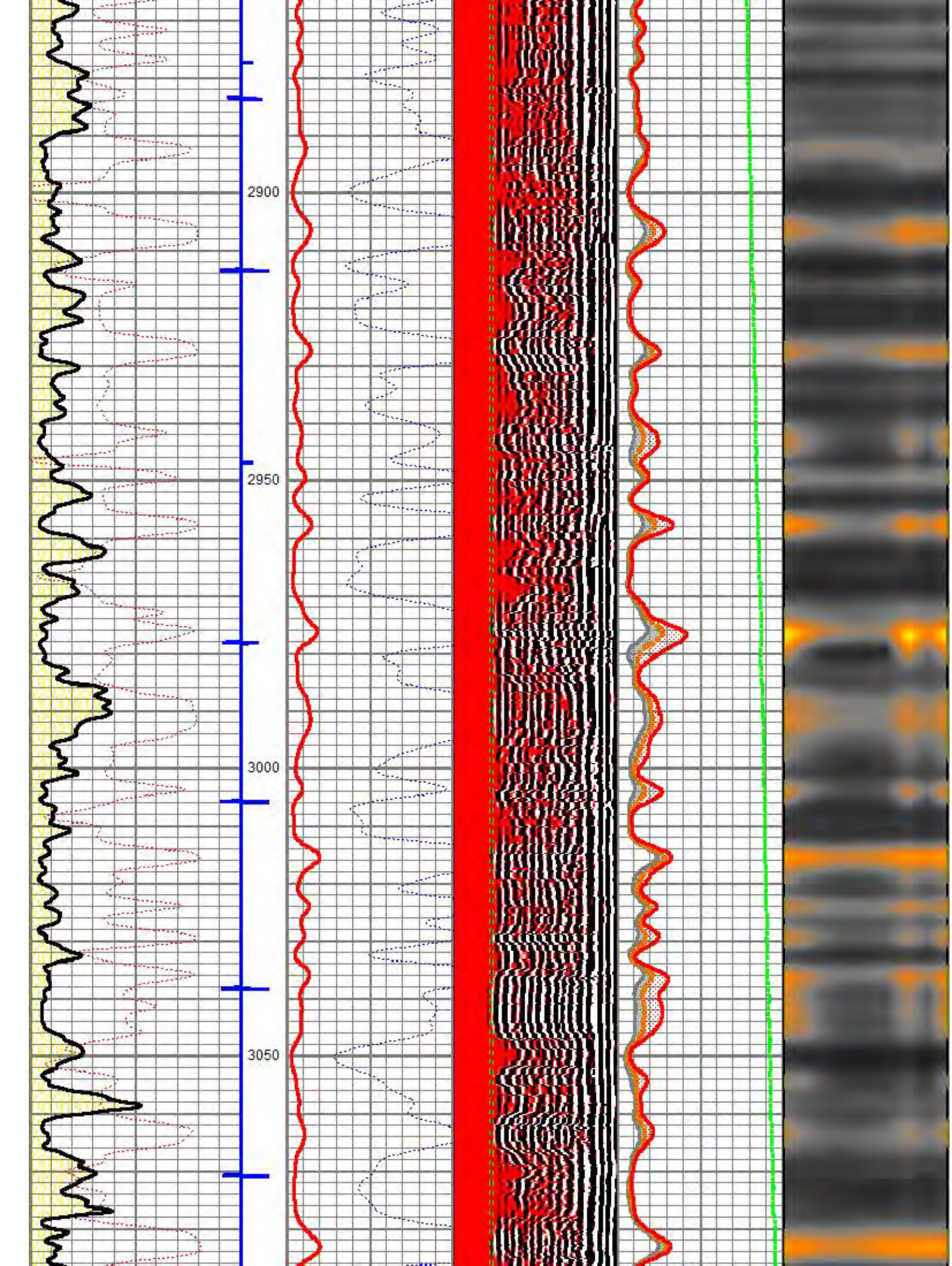
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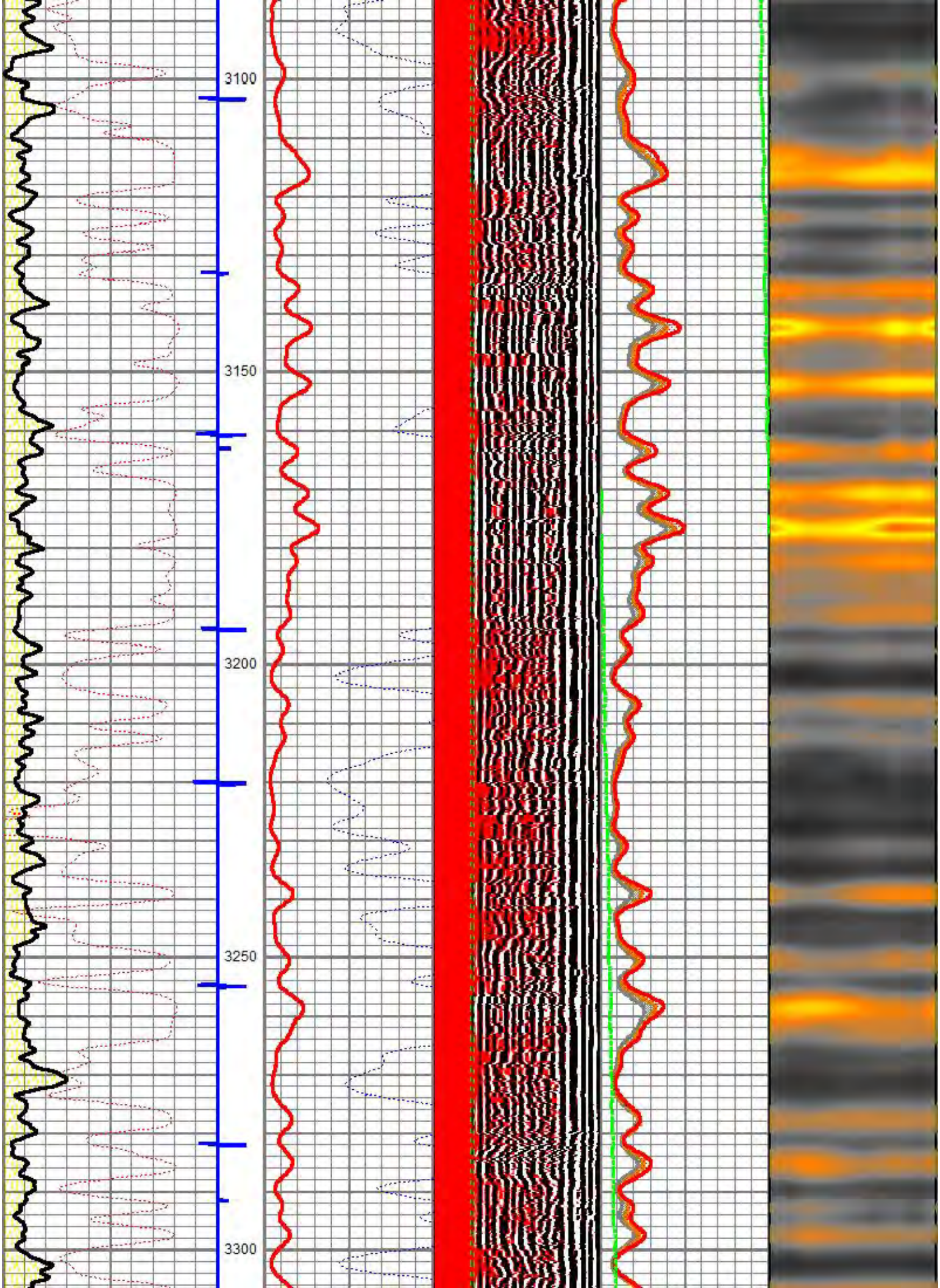
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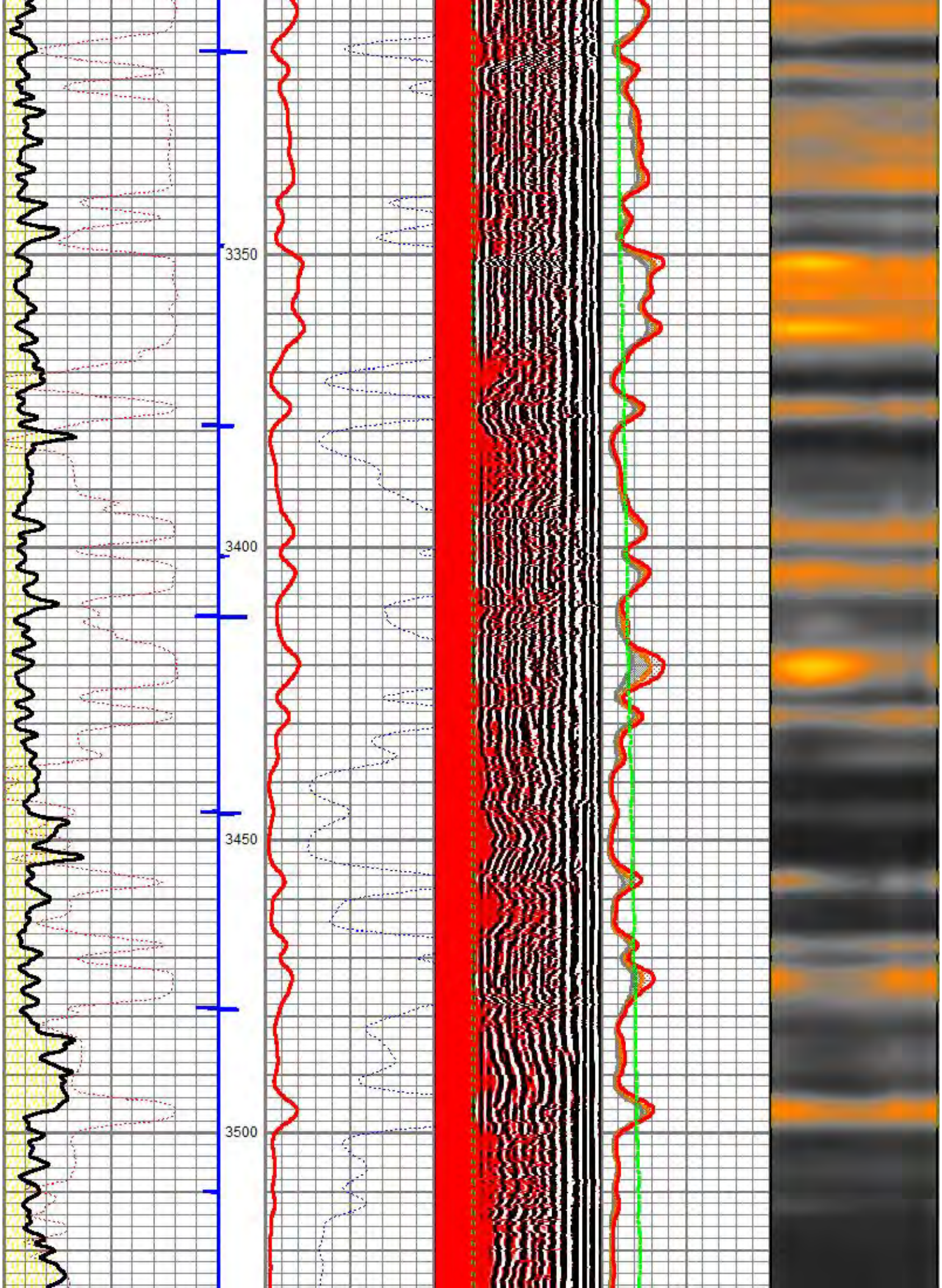
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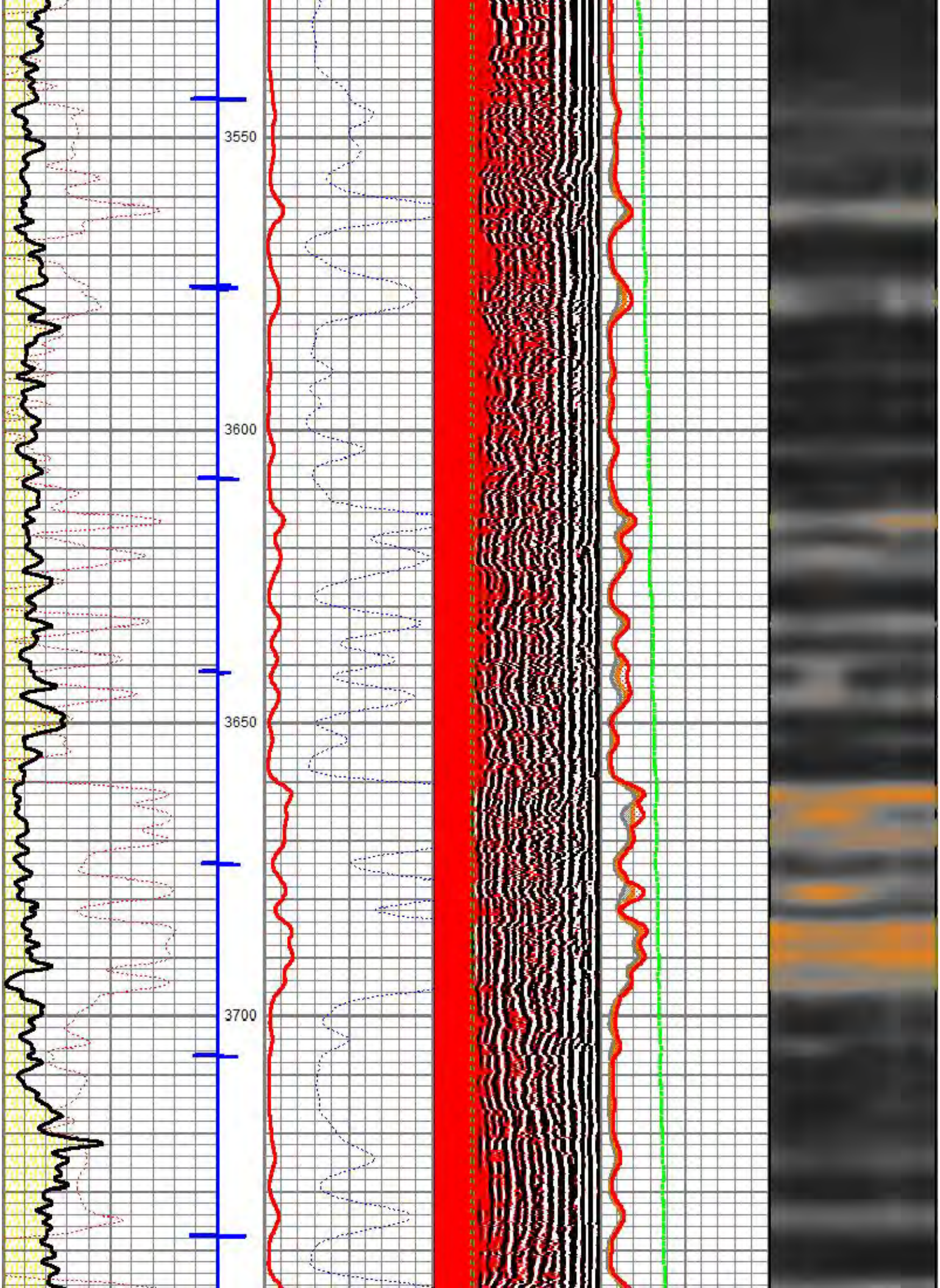
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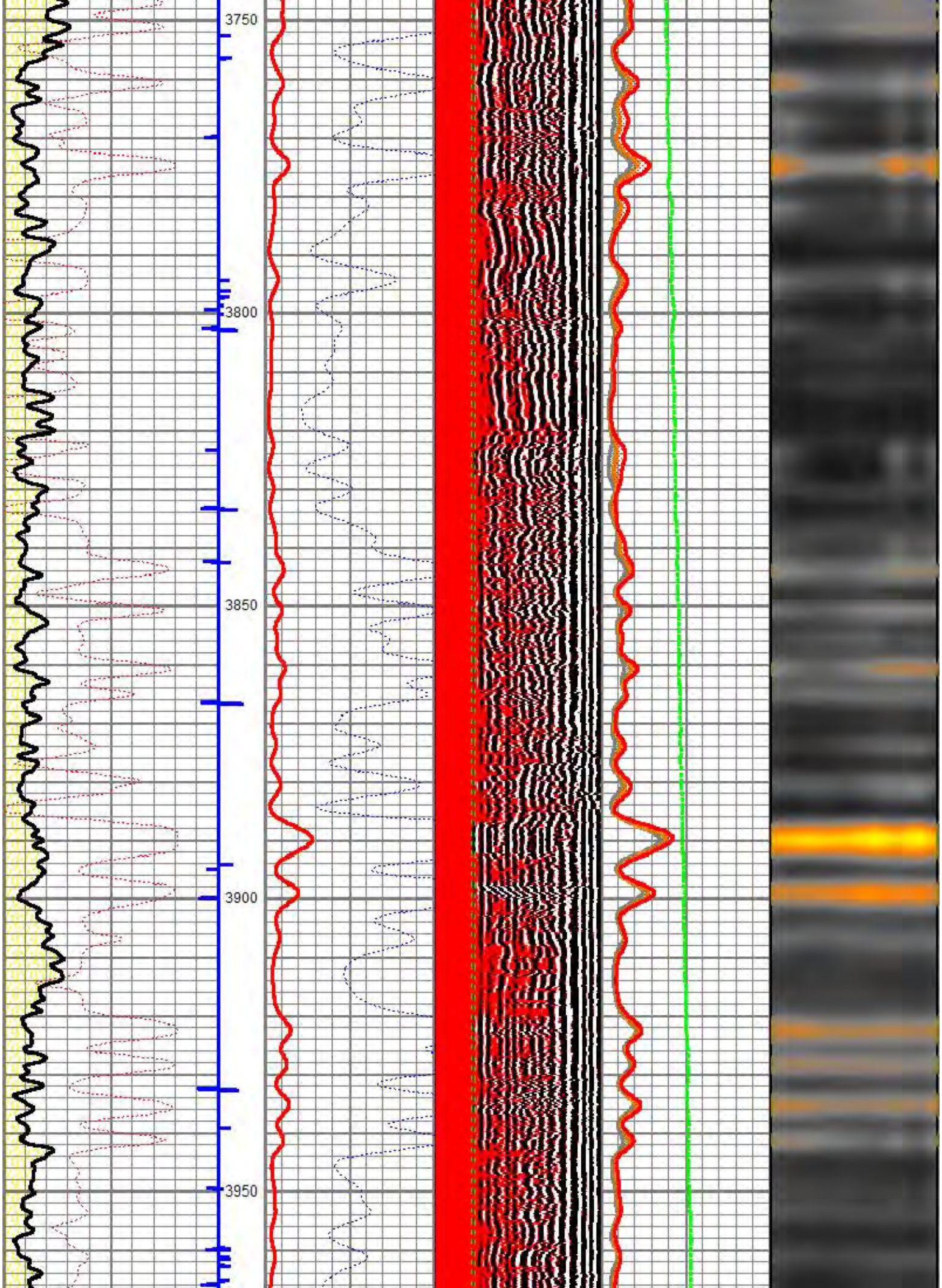
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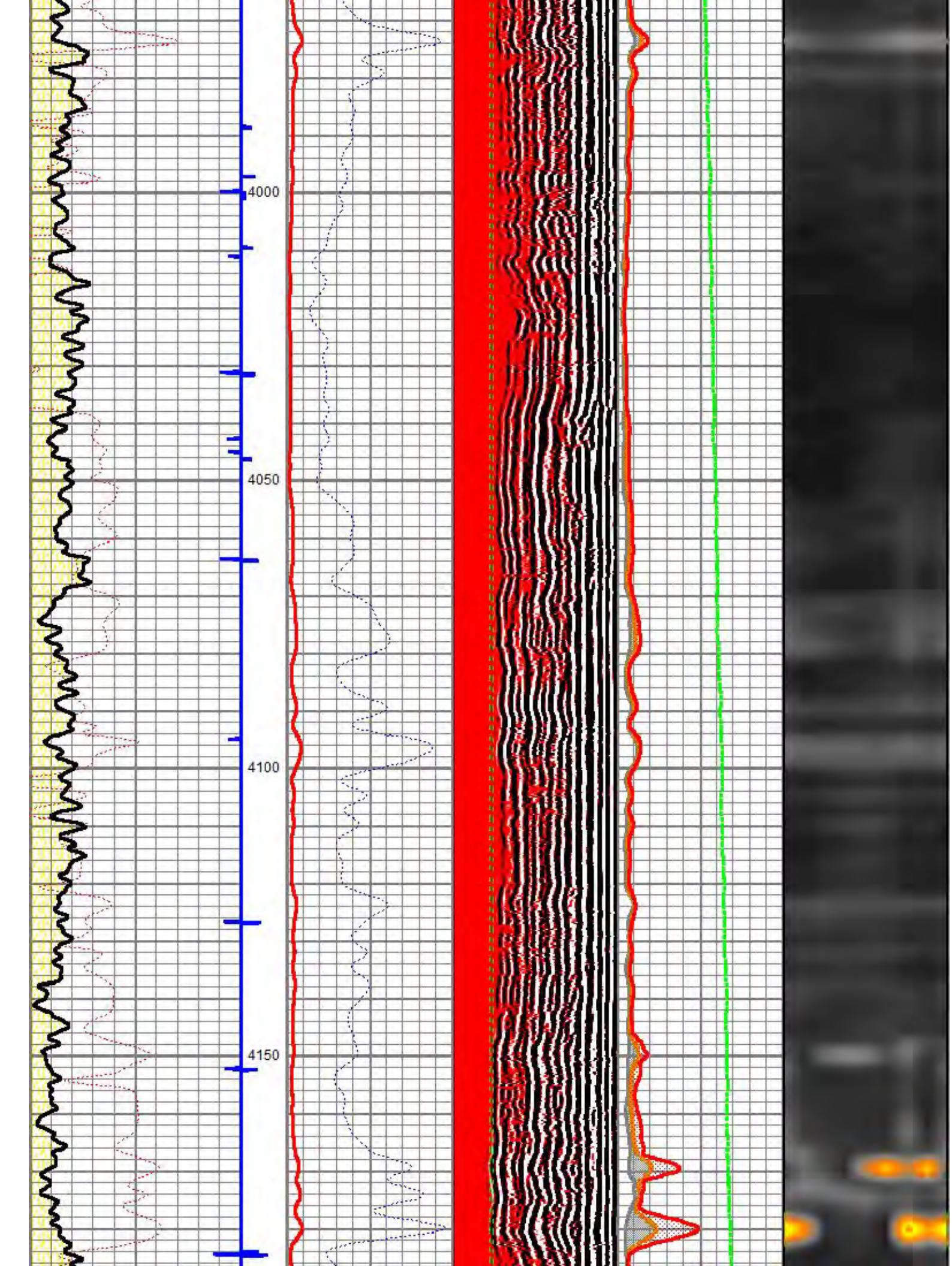
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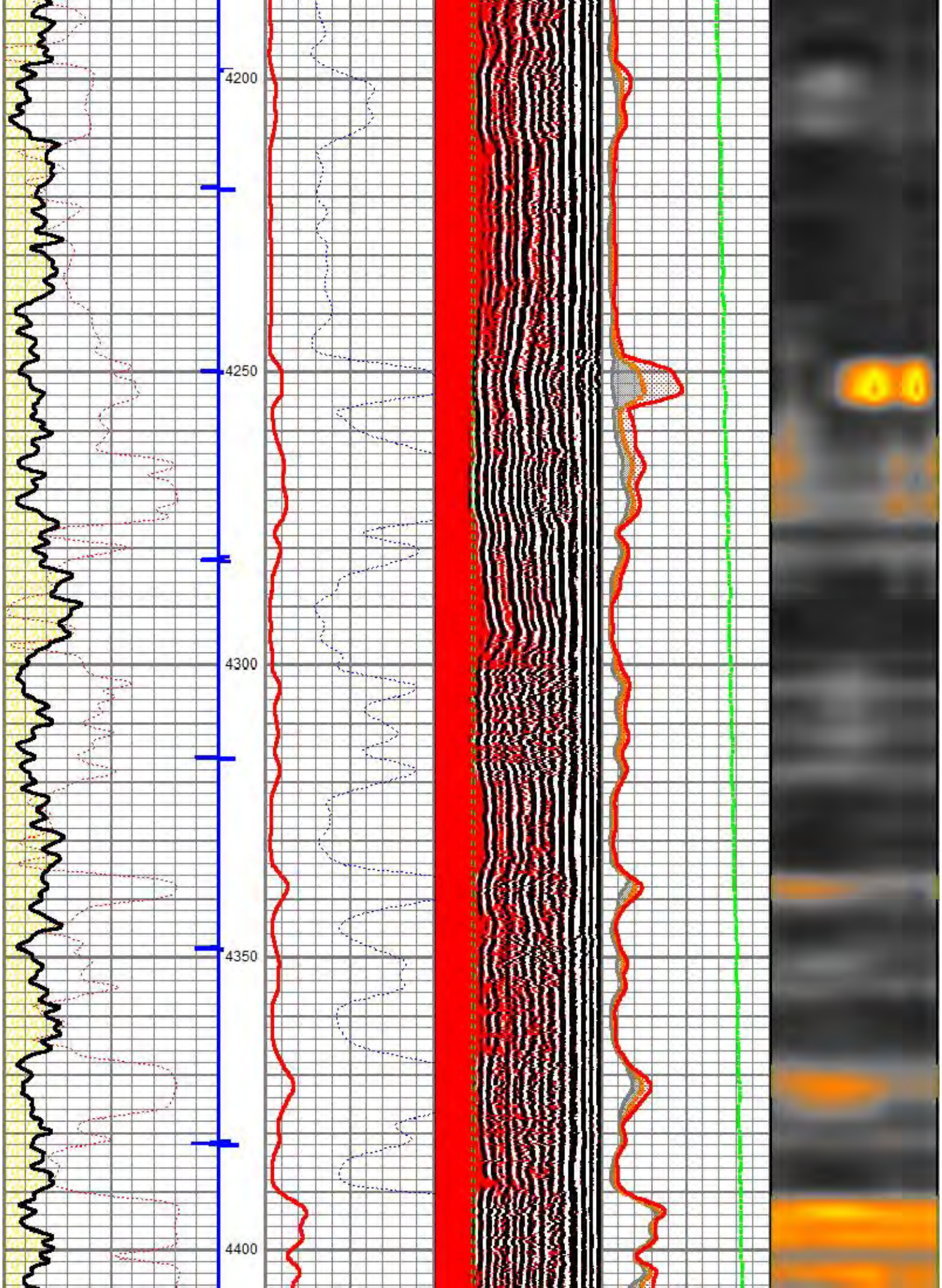
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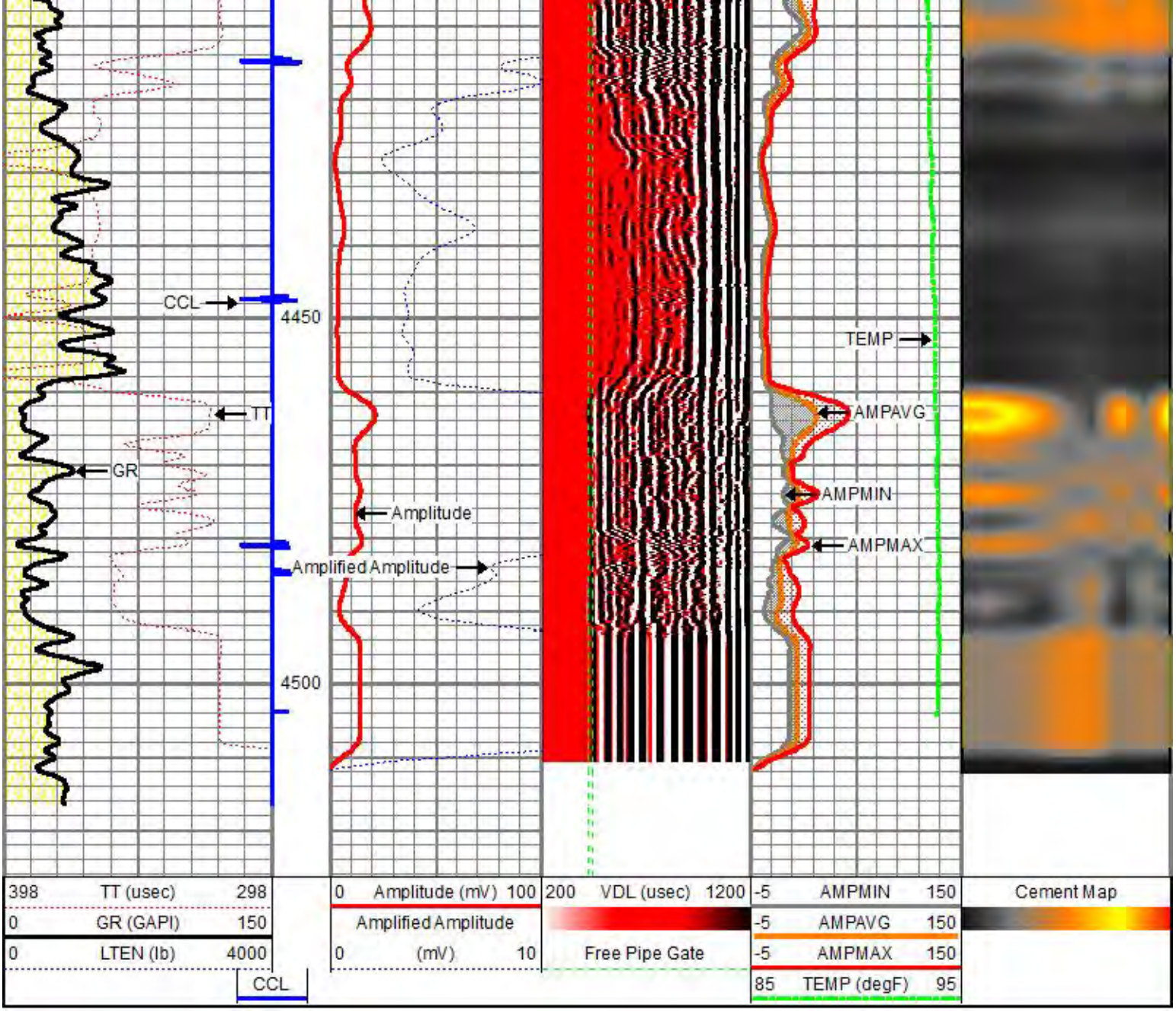
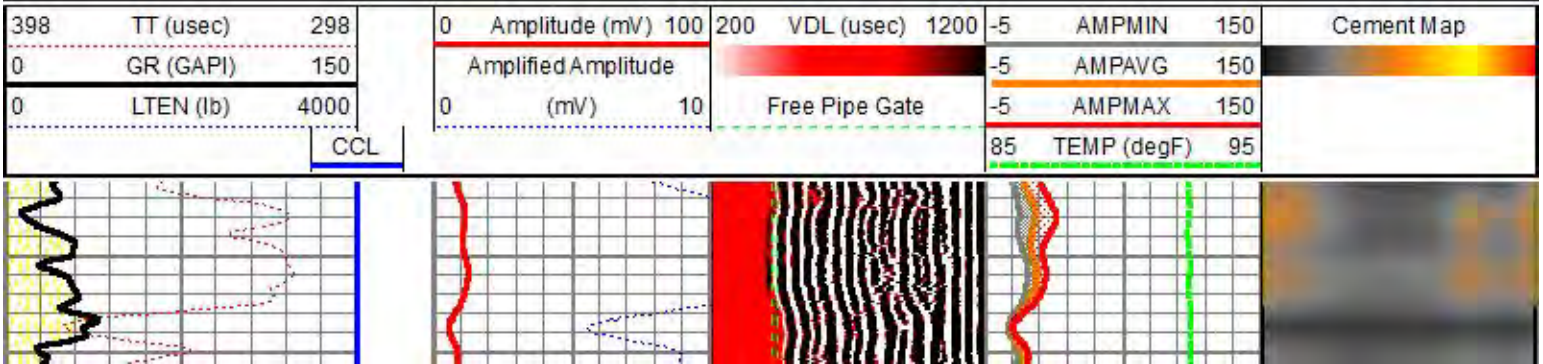
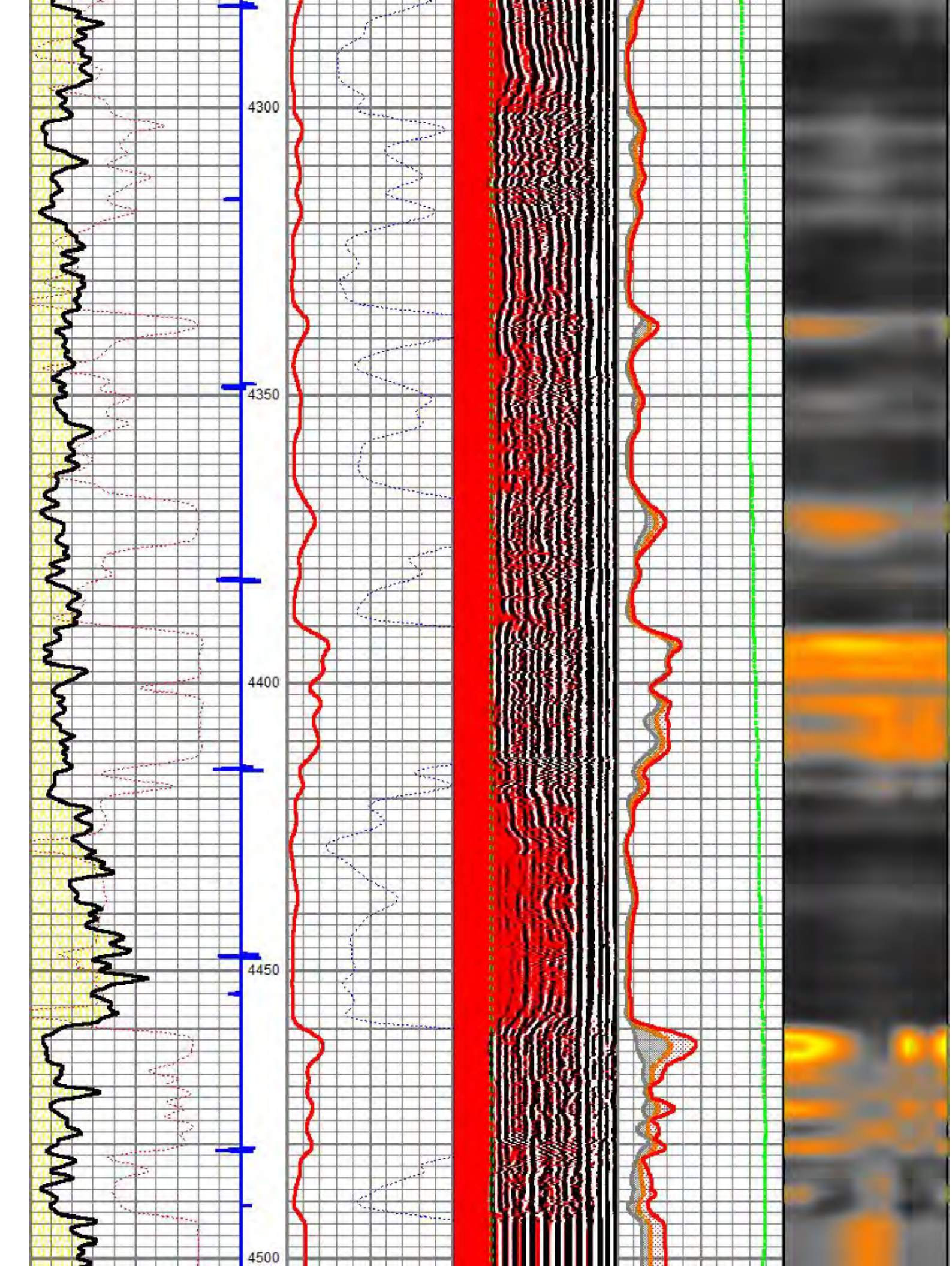


REPEAT PASS

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass3
Presentation Format	rrcblmx96
Dataset Creation	Tue May 22 11:21:15 2018
Charted by	Depth in Feet scaled 1:240

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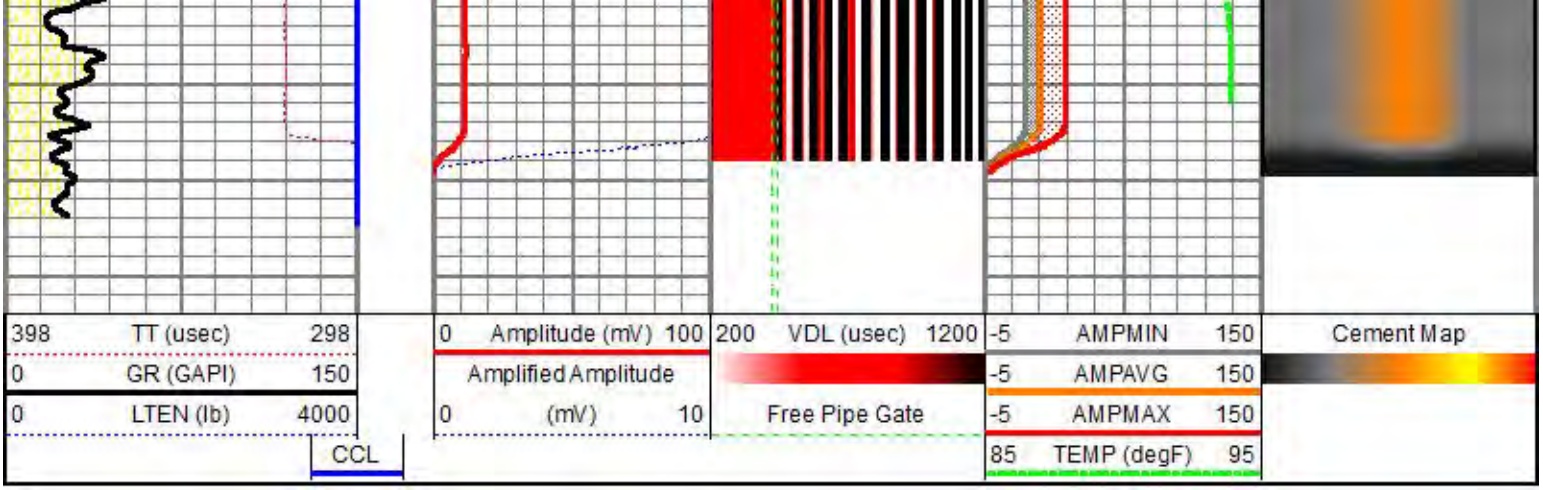


Log Variables

DatabaseC:\ProgramData\Warrior\Data\llano disposal state 27 #1.db
Dataset field/well/run1/pass4/_vars_

Top - Bottom

BHTEMP_Src	BOREID in	BOTTEMP degF	CASED?	CASEOD in	CASETHCK in	CASEWGHT lb/ft	CMNTTHCK in	CMTTKCOR
TEMP	10.75	100	Yes	9.625	0.352	36	0.5625	On

CSTKCOR	MAXAMPL mV	MINAMPL mV	MINATTN db/ft	NPORSEL	PERFS	PPT usec	SRFTEMP degF	SZCOR
On	51	1	0.8	Limestone	0	0	0	On

TDEPTH ft
0

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASED? : Cased hole ?
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
CMNTTHCK : Cement Thickness
CMTTKCOR : CN CemThk. Cor. ?
CSTKCOR : CN CasThk. Cor. ?
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

Calibration Report

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4
Dataset Creation	Tue May 22 11:29:16 2018

Compensated Neutron Calibration Report

Model:	CNT - Probe_B
Serial Number:	100525

SHOP CALIBRATION — Tue May 08 10:33:48 2018

	Cal Tube	Units
Tank Ratio	11.6940	SS/LS
LS Detector	71.36	cps
SS Detector	777.51	cps
Tool Ratio	10.8963	SS/LS
Tool Gain	1.0732	----

PRE-SURVEY VERIFICATION

SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

POST-SURVEY VERIFICATION

SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

Gamma Ray Calibration Report

Serial Number:	120366	
Tool Model:	Probe275dig	
Performed:	Tue May 08 10:37:36 2018	
Calibrator Value:	1092.0	GAPI
Background Reading:	73.0	cps
Calibrator Reading:	1312.7	cps
Sensitivity:	0.8809	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1311-15	
Tool Model:	Probe	
Calibration Casing Diameter:	9.625	in
Calibration Depth:	167.783	ft

Master Calibration, performed Tue May 22 10:19:34 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.025	0.837	1.000	51.280	61.950	-0.564
CAL	-0.000	1.094				
5'	0.016	0.898	1.000	51.280	56.980	0.116
SUM						
S1	0.015	0.678	0.000	100.000	150.902	-2.258
S2	0.029	0.785	0.000	100.000	132.157	-3.799
S3	0.027	0.946	0.000	100.000	108.835	-2.904
S4	0.025	1.032	0.000	100.000	99.287	-2.505
S5	0.022	0.991	0.000	100.000	103.264	-2.299
S6	0.026	0.874	0.000	100.000	117.903	-3.032
S7	0.021	0.674	0.000	100.000	152.961	-3.157
S8	0.033	0.755	0.000	100.000	138.369	-4.506

Internal Reference Calibration, performed Sat Mar 22 12:18:28 2014:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.094	1.000	0.000

Air Zero Calibration, performed Mon Jun 02 11:27:25 2014:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000

5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number:	FW1311-15			
Tool Model:	Probe			
Performed:	(Not Performed)			
	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF
Gain:	1.00			
Offset:	0.00			
Delta Spacing	1			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1.6875CHD	1.00	1.69	10.00
			CENT-Roller	2.75	2.75	35.00
TEMP	18.95					
			RBT-Probe (FW1311-15) Probe Radii Bond Tool with Digital Telemetry	8.83	2.75	93.00
WVFS8	16.74					
WVFS7	16.74					
WVFS6	16.74					
WVFS5	16.74					
WVFS4	16.74					
WVFS3	16.74					
WVFS2	16.74					
WVFS1	16.74					
WVFCAL	16.74					
WVF3FT	16.74					
WVF5FT	15.74					
			CENT-Roller	2.75	2.75	35.00
CCL	8.91					

GR	7.57		GR-Probe275dig (120366) Probe Digital Gamma CCL	4.77	2.75	57.00
			CNT-Probe_B (100525) Probe Digital CNL Tool	5.03	2.75	60.00
CNLSC	1.65					
CNSSC	1.24					

Dataset:	llano disposal state 27 #1.db: field/well/run1/pass4
Total length:	25.14 ft
Total weight:	290.00 lb
O.D.:	2.75 in

Company	LLANO DISPOSAL LLC.		
Well	STATE 27 #1		
Field			
County	LEA		
State	NEW MEXICO	Country	U.S.A.

COMPENSATED NEUTRON GAMMA-RAY / CCL LOG

Company	LLANO DISPOSAL LLC.
Well	STATE 27 #1
Field	
County	LEA
State	NEW MEXICO Country U.S.A.

Company LLANO DISPOSAL LLC.
Well STATE 27 #1
Field
County LEA
State NEW MEXICO Country U.S.A.

Location: API # :
N/A
SEC TWP RGE

Other Services
RCBL
CIL

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

Permanent Datum	GROUND LEVEL
Elevation	---
Log Measured From	GROUND LEVEL
Drilling Measured From	KELLY BUSHING

Date	22-MAY-2018
Run Number	ONE
Depth Driller	13500'
Depth Logger	4511'
Bottom Logged Interval	4511'
Top Log Interval	SURFACE
Open Hole Size	---
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	104 DEG.
Estimated Cement Top	220'
Time Well Ready	ROA
Time Logger on Bottom	SEE LOG
Equipment Number	113
Location	LEVELAND
Recorded By	DEREK MOORE
Witnessed By	MARVIN BURROWS

Borehole Record

Run Number	Bit	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	9.625"	36# & 32#	SURFACE	13500'
Liner				

Tubing Record

Size	Weight	From	To

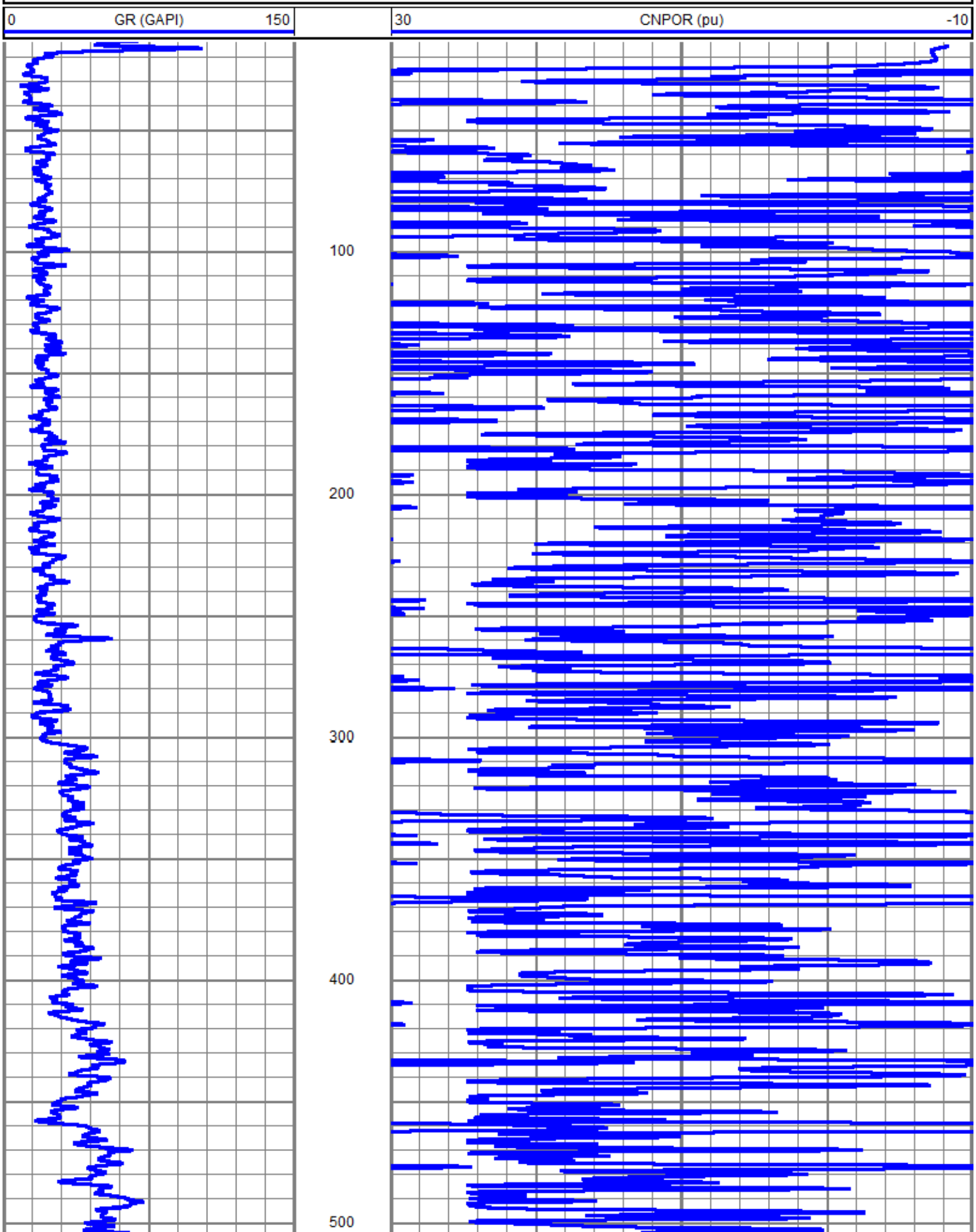
<<< Fold Here >>>

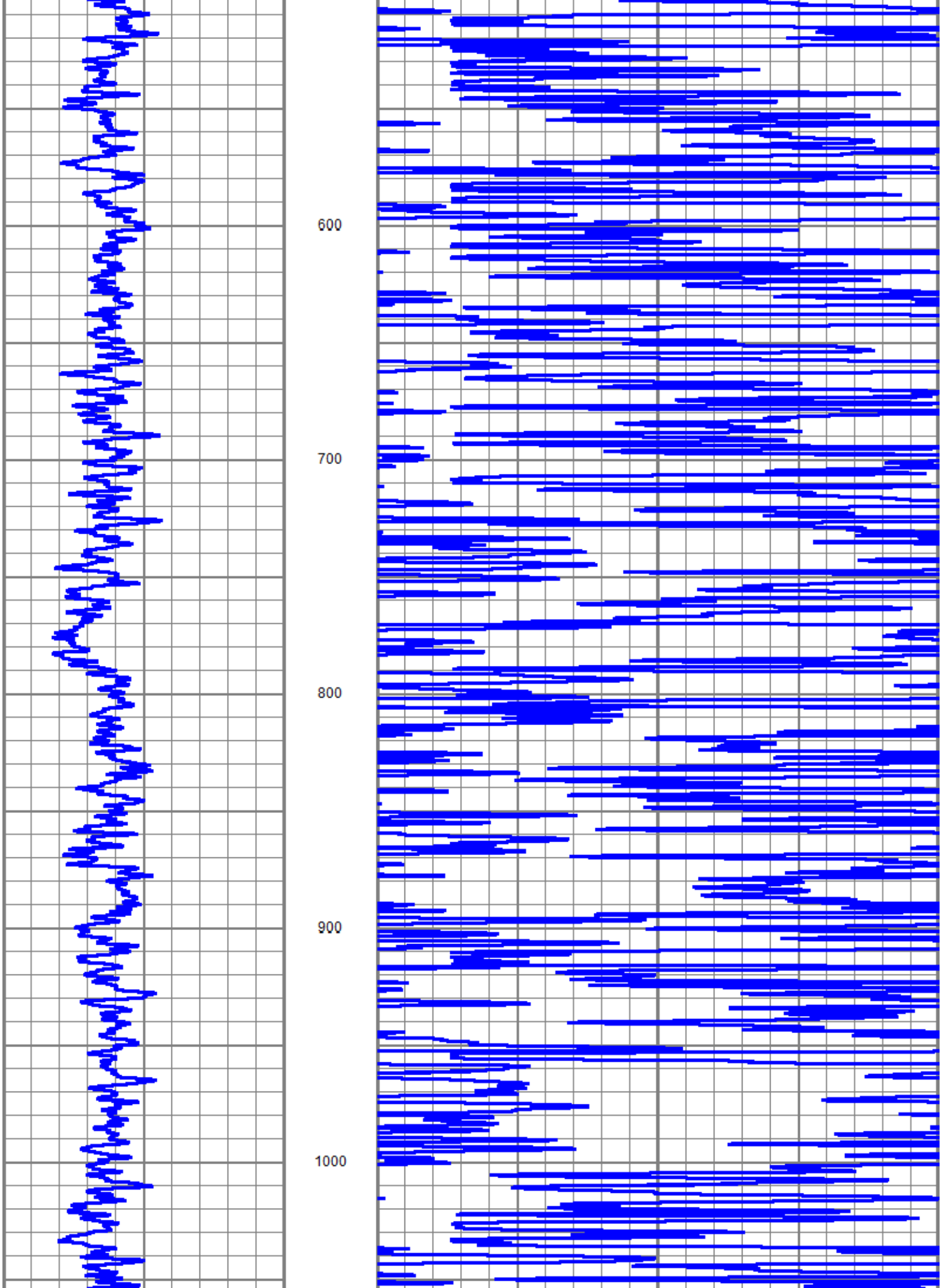
Comments

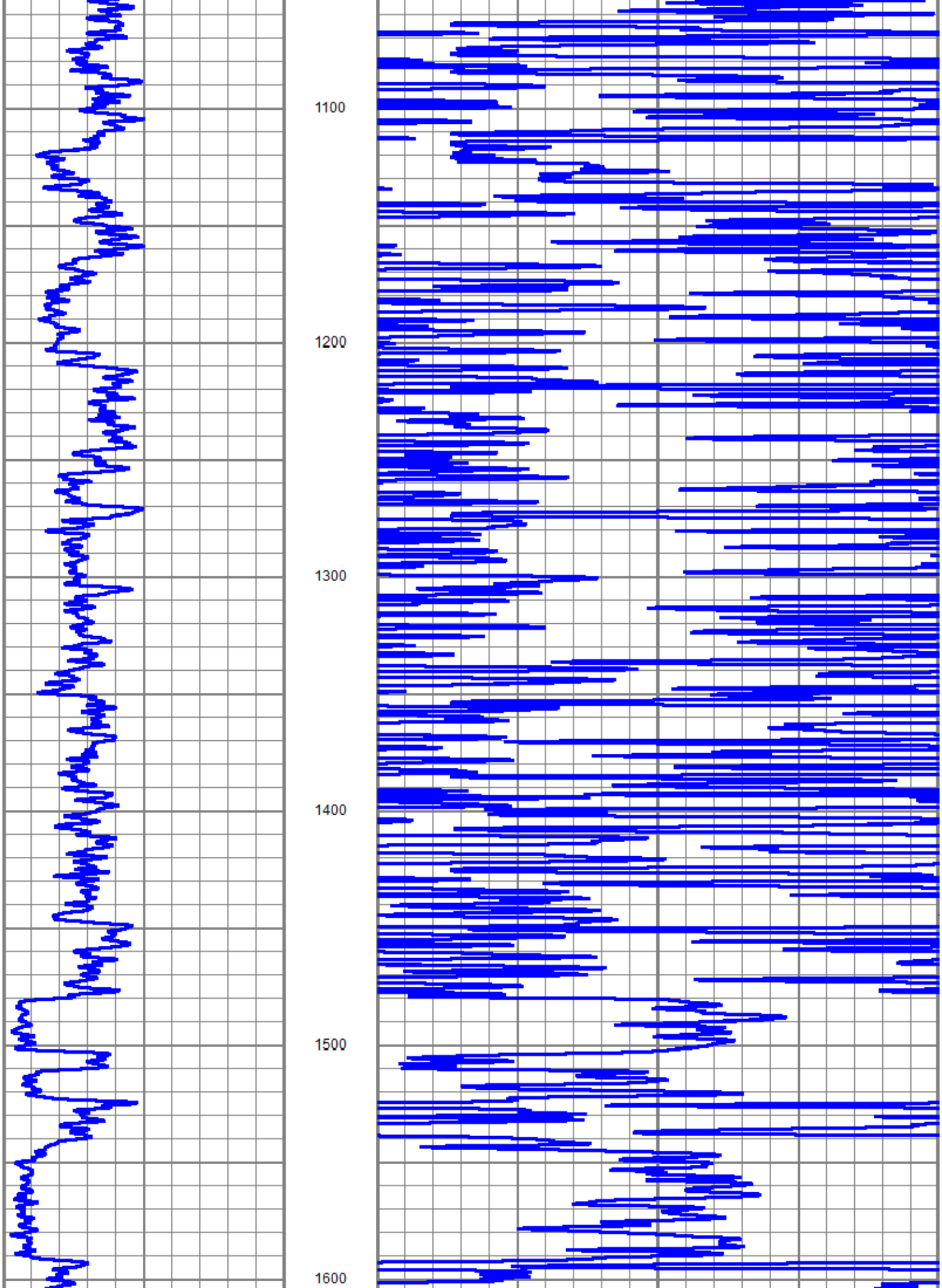
ALL DEPTHS ARE LOGGER DEPTHS ONLY

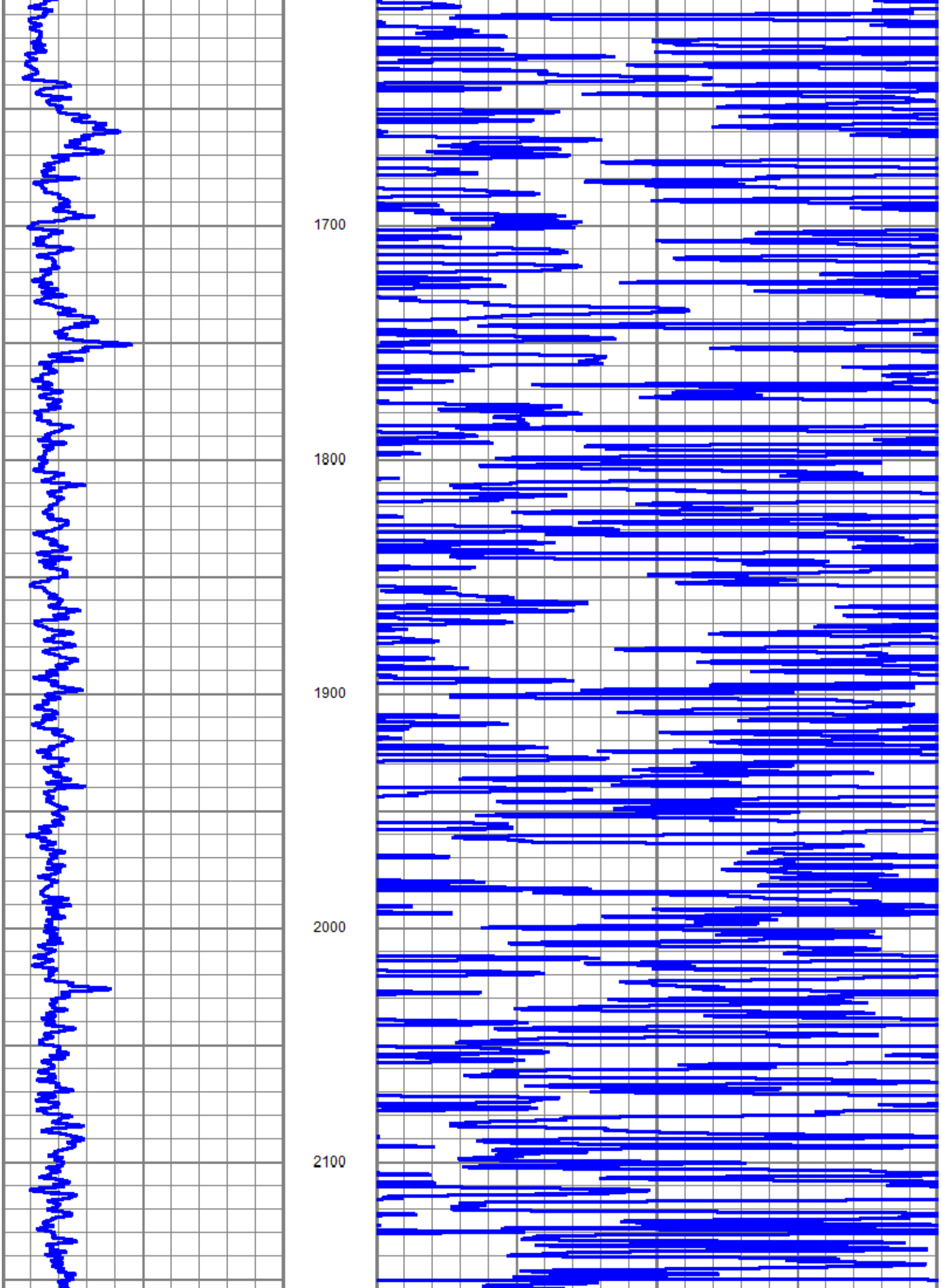
MAIN PASS

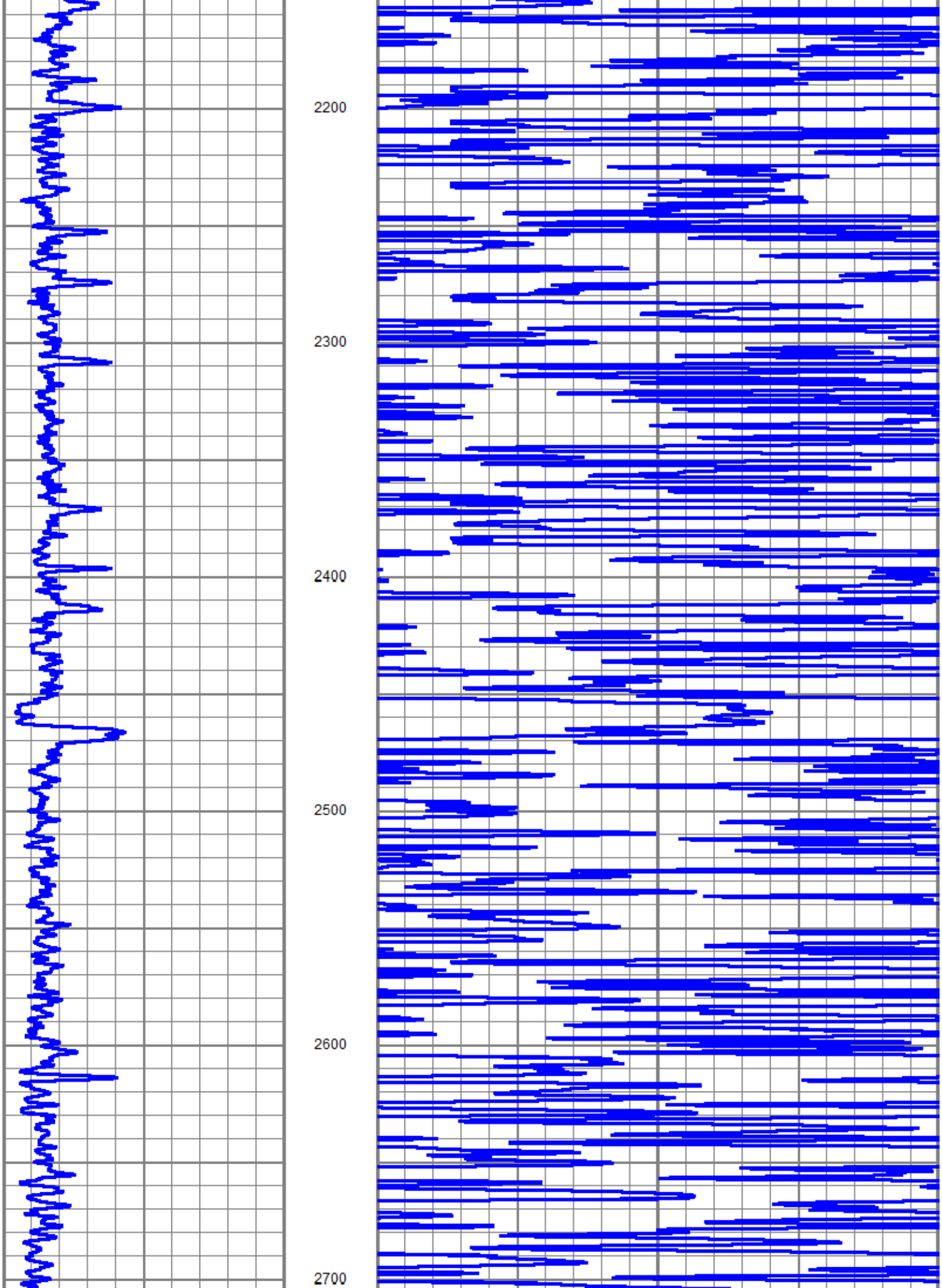
Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4.1
Presentation Format	cnl2inch
Dataset Creation	Tue May 22 13:18:28 2018
Charted by	Depth in Feet scaled 1:600




600
700
800
900
1000


1100
1200
1300
1400
1500
1600


1700
1800
1900
2000
2100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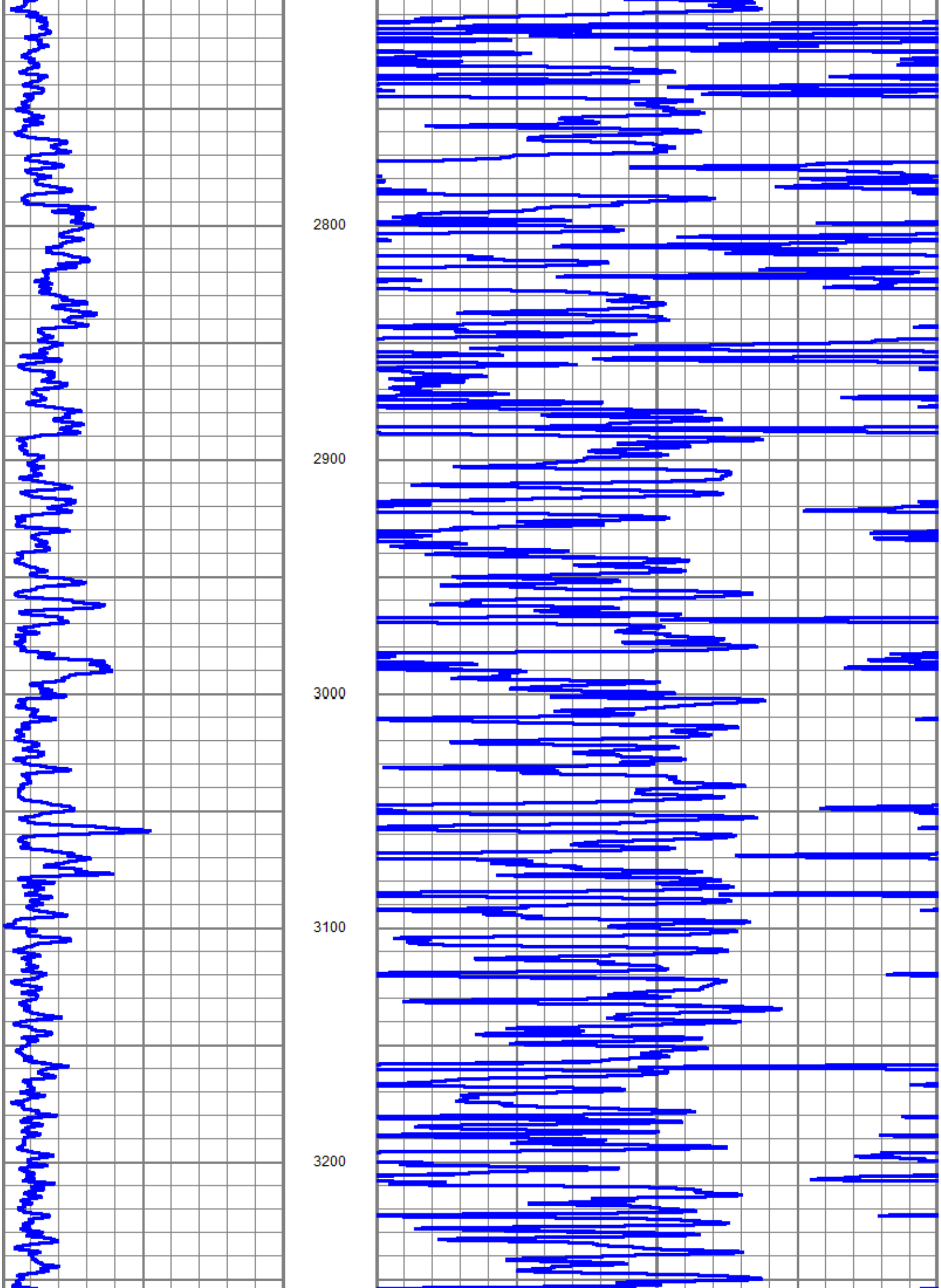
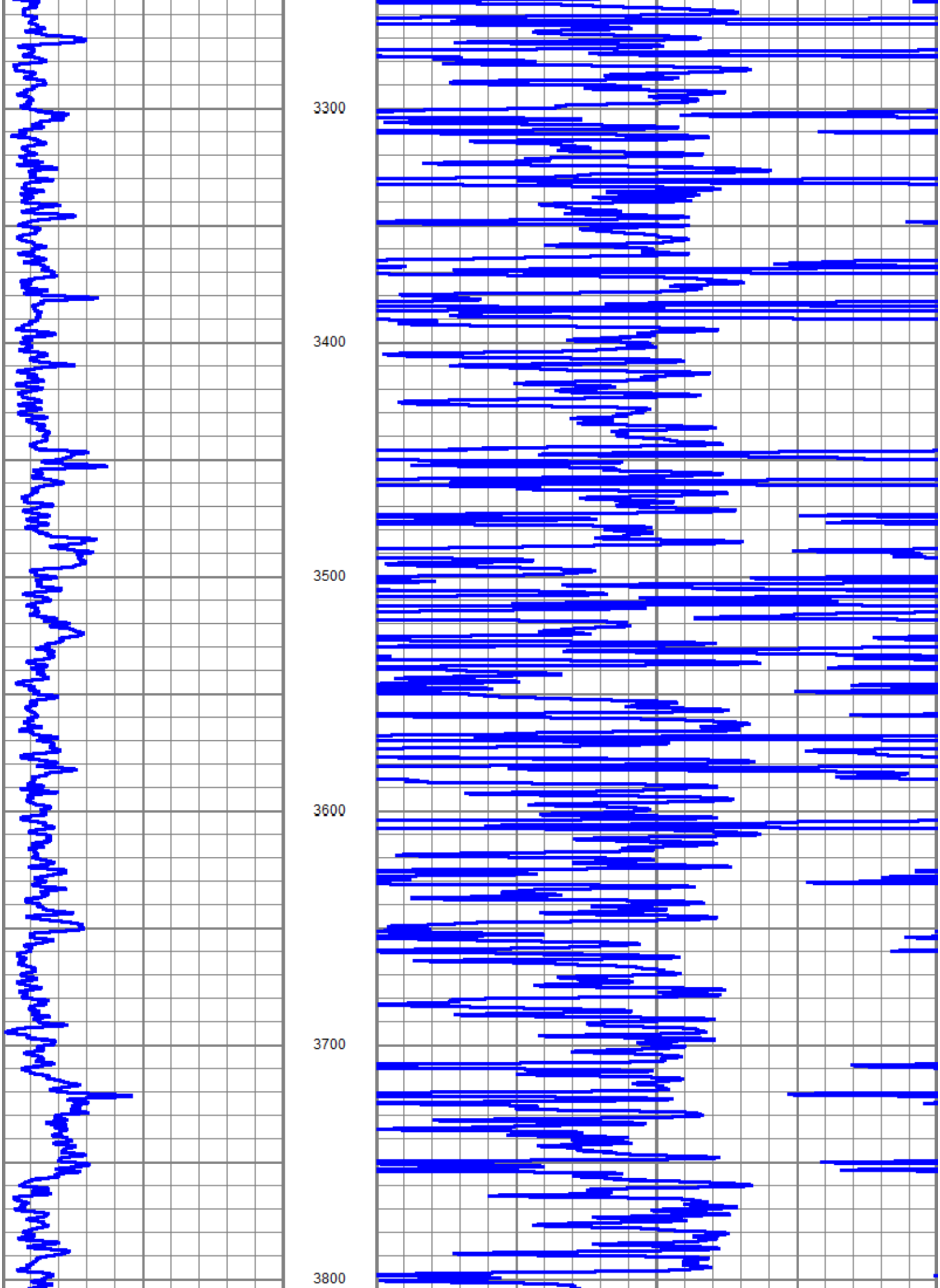
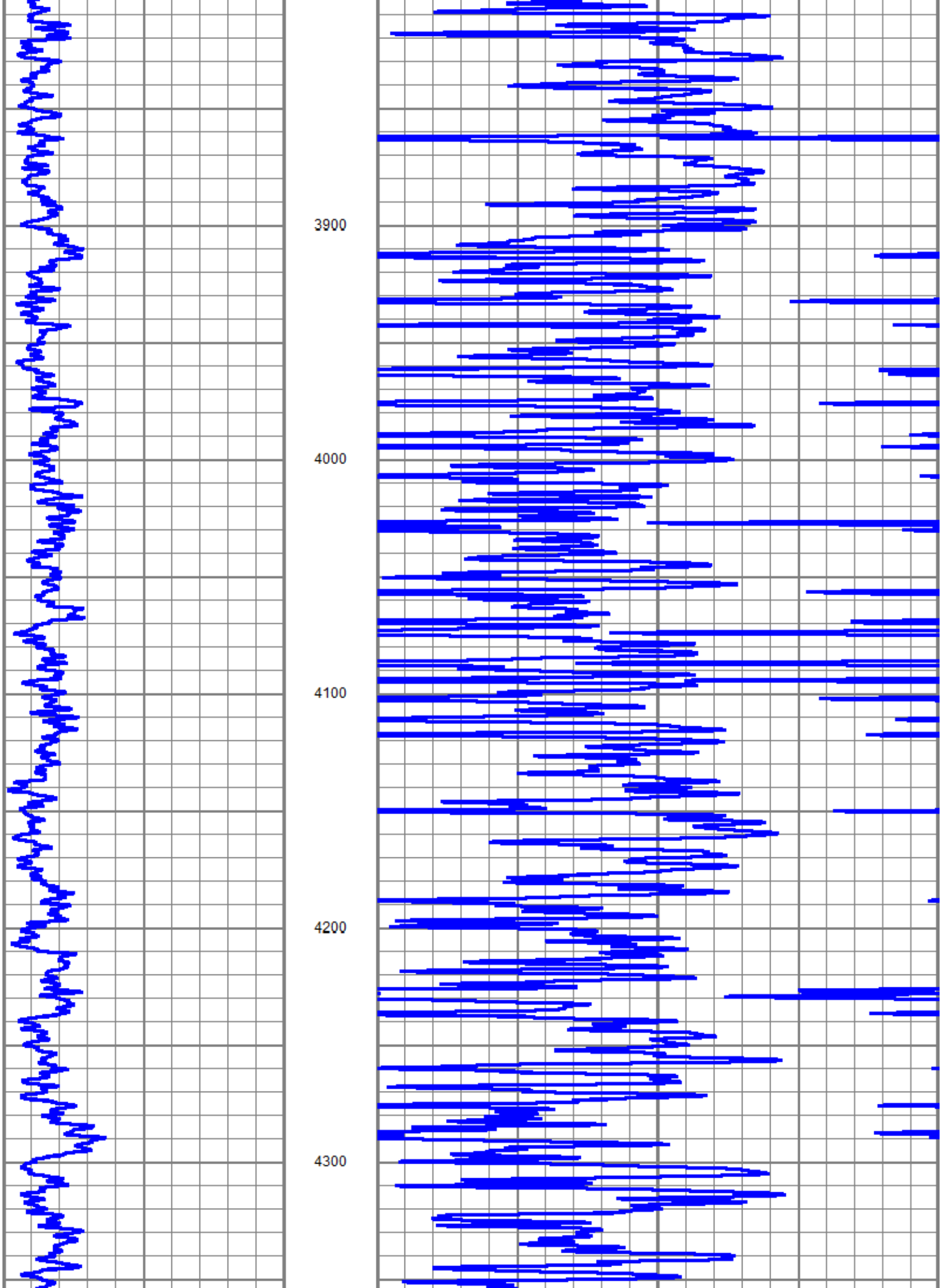
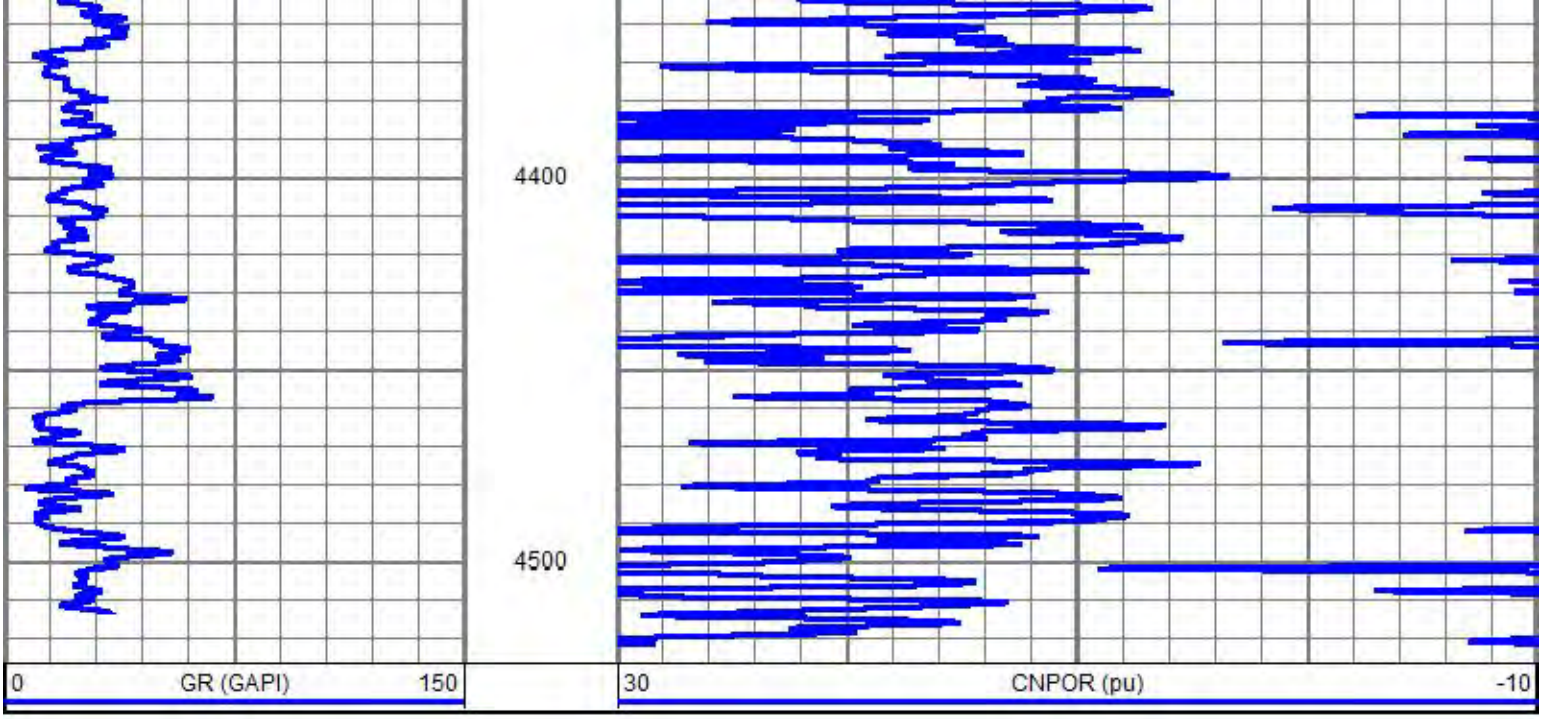
2300
2400
2500
2600
2700


2800
2900
3000
3100
3200


3300
3400
3500
3600
3700
3800


3900
4000
4100
4200
4300

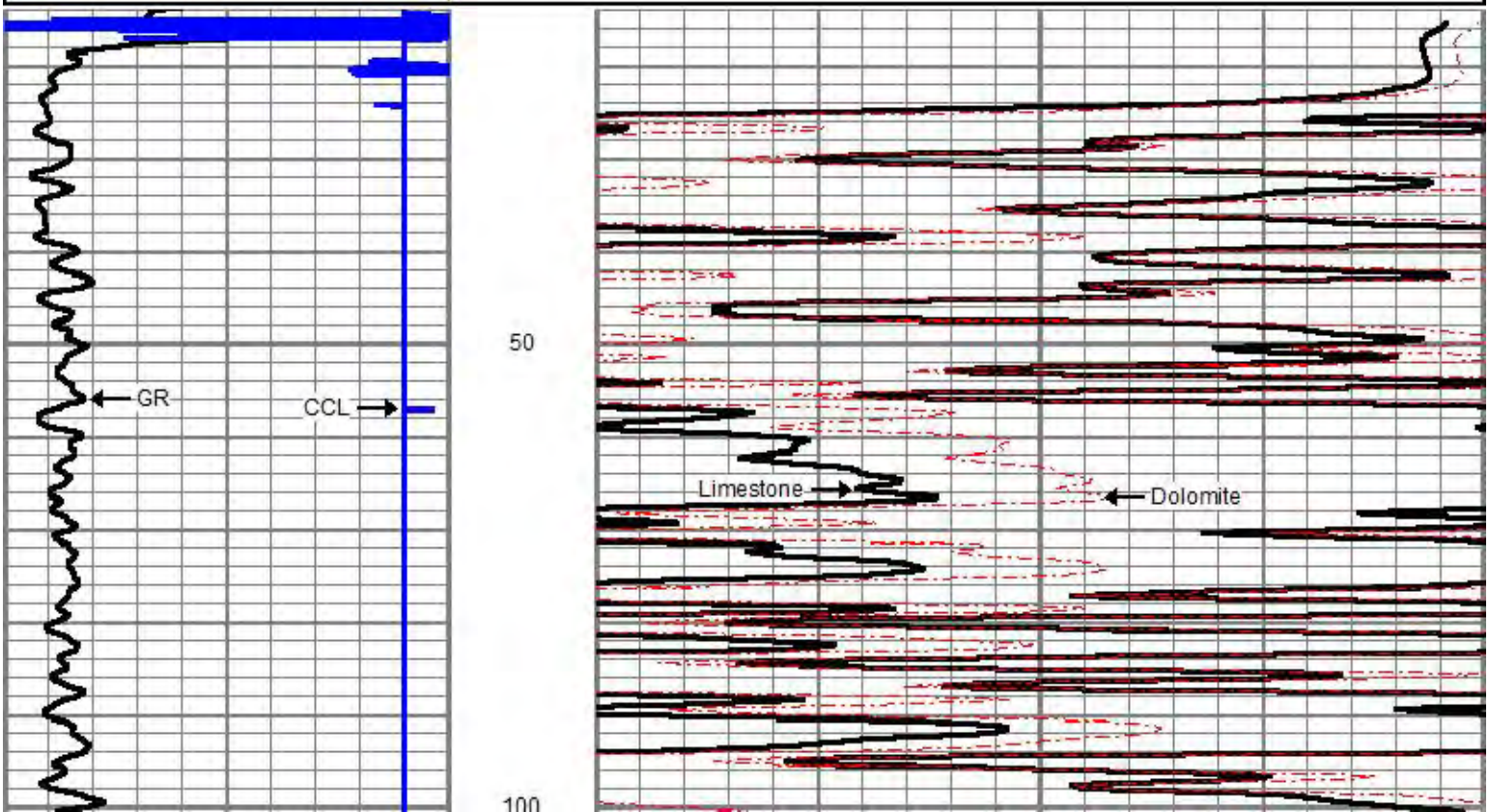


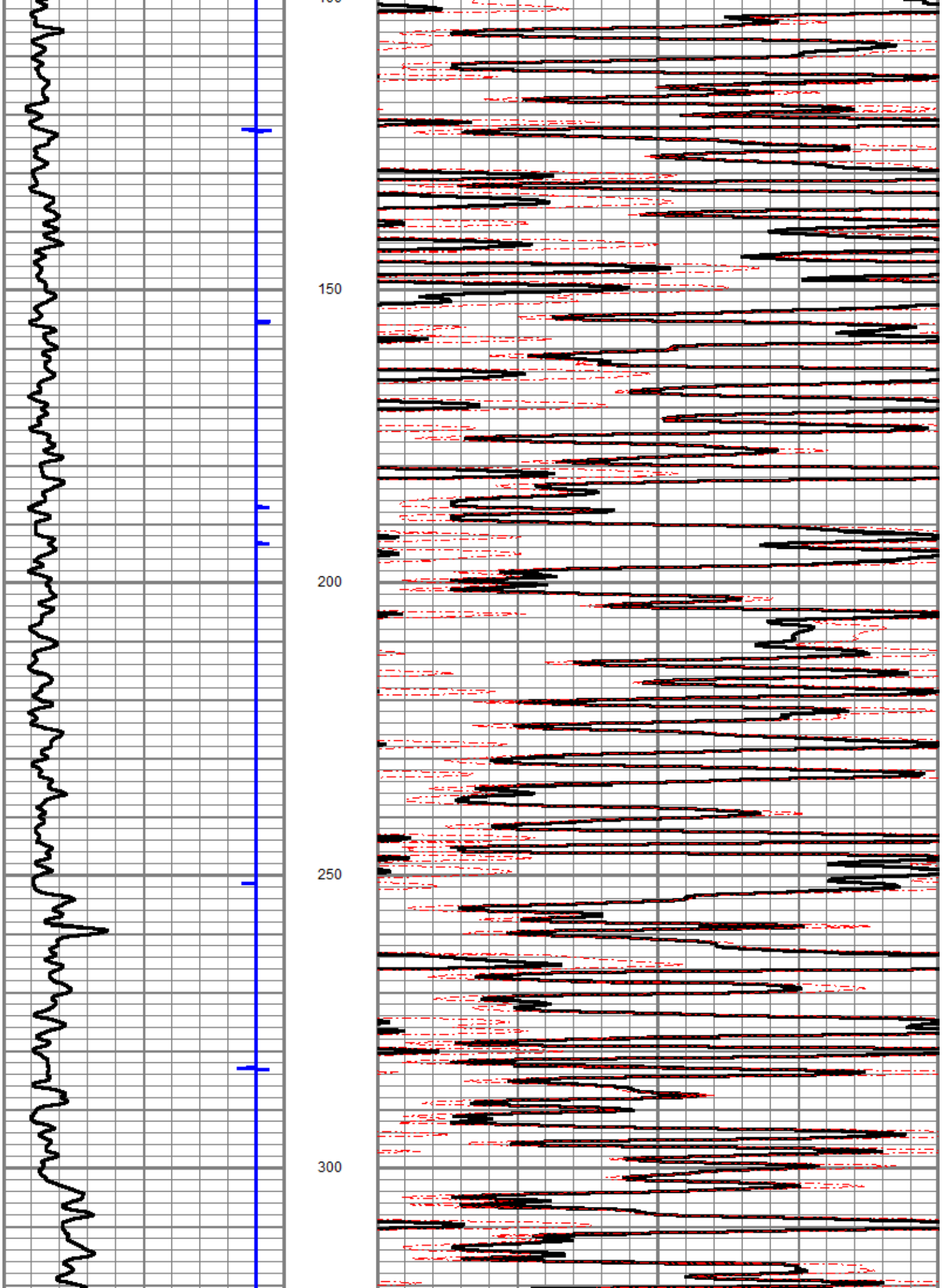
MAIN PASS

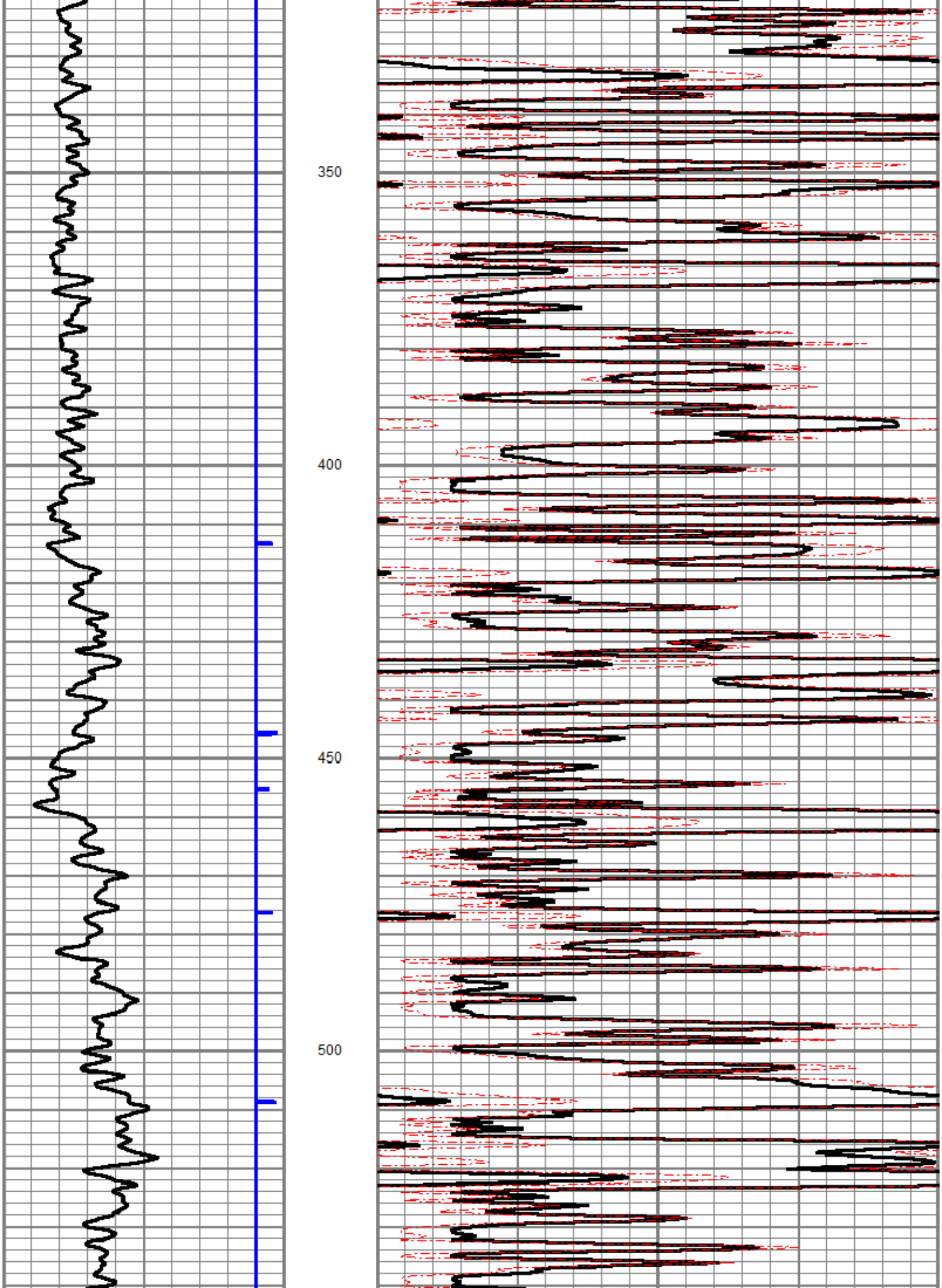
Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4.1
Presentation Format	cntcnts
Dataset Creation	Tue May 22 13:18:28 2018
Charted by	Depth in Feet scaled 1:240

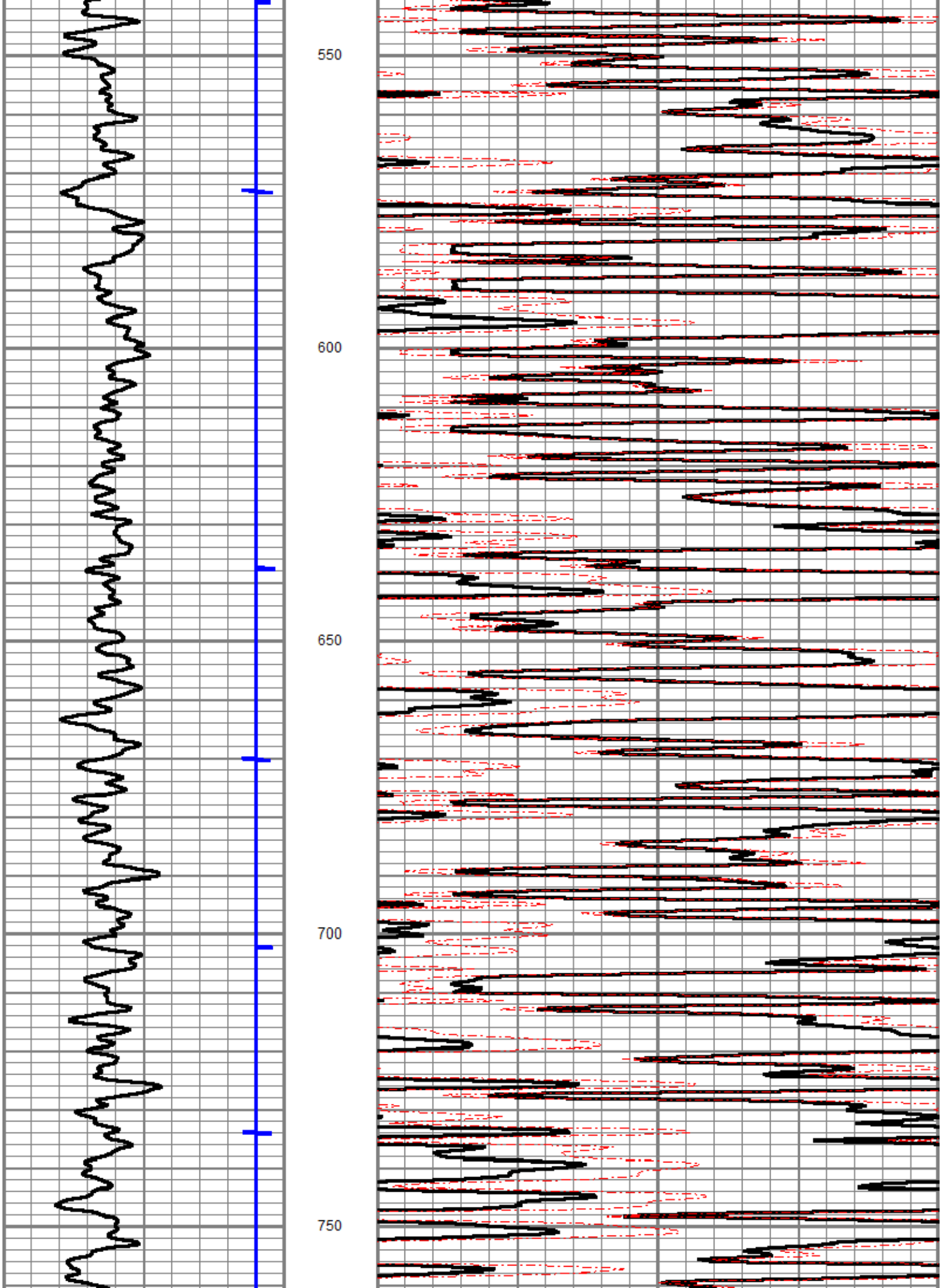
0	LTEN (lb)	4000
0	GR (GAPI)	150
-9	CCL	1

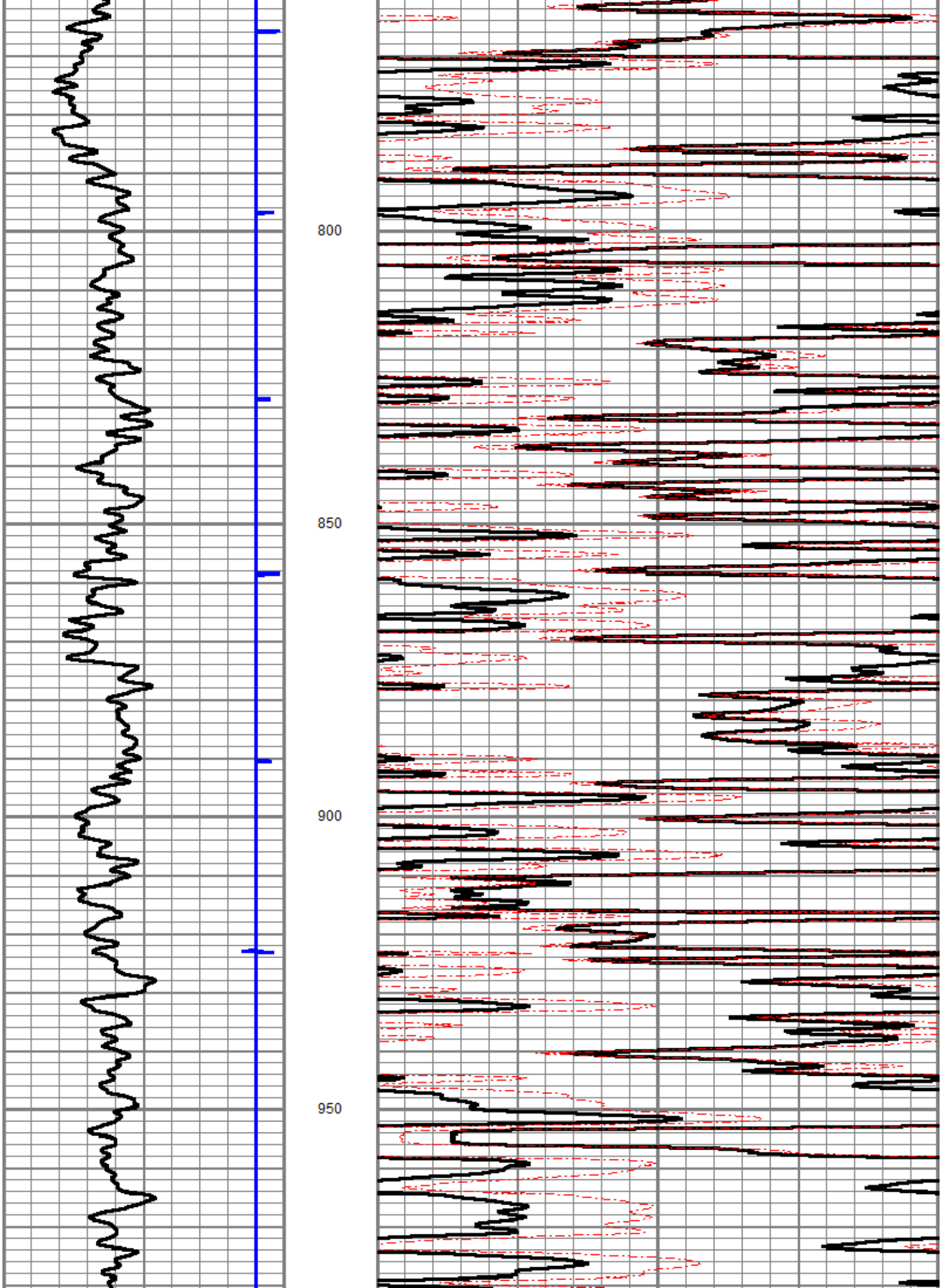
30	Limestone (pu)	-10
30	Dolomite (pu)	-10

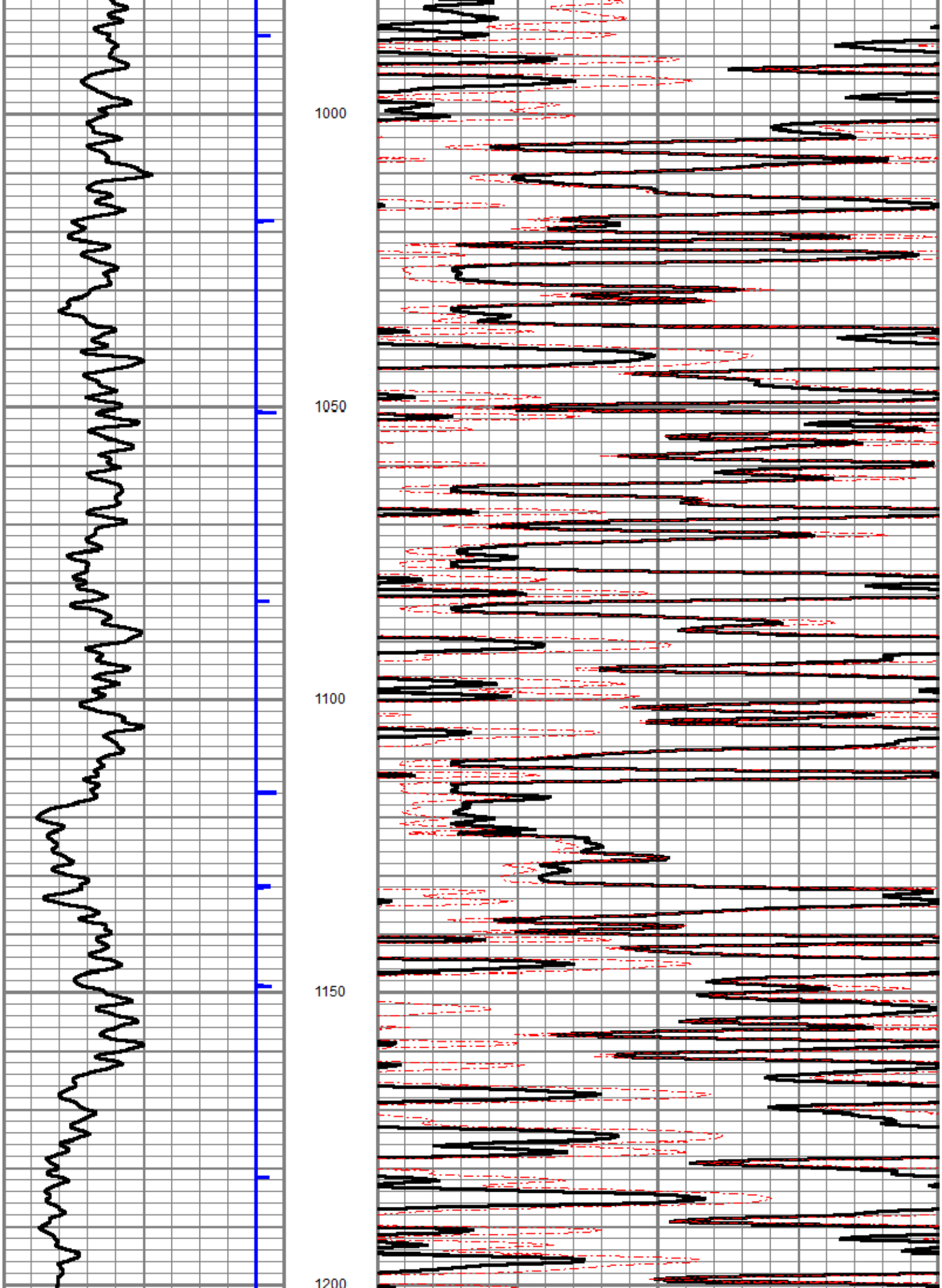


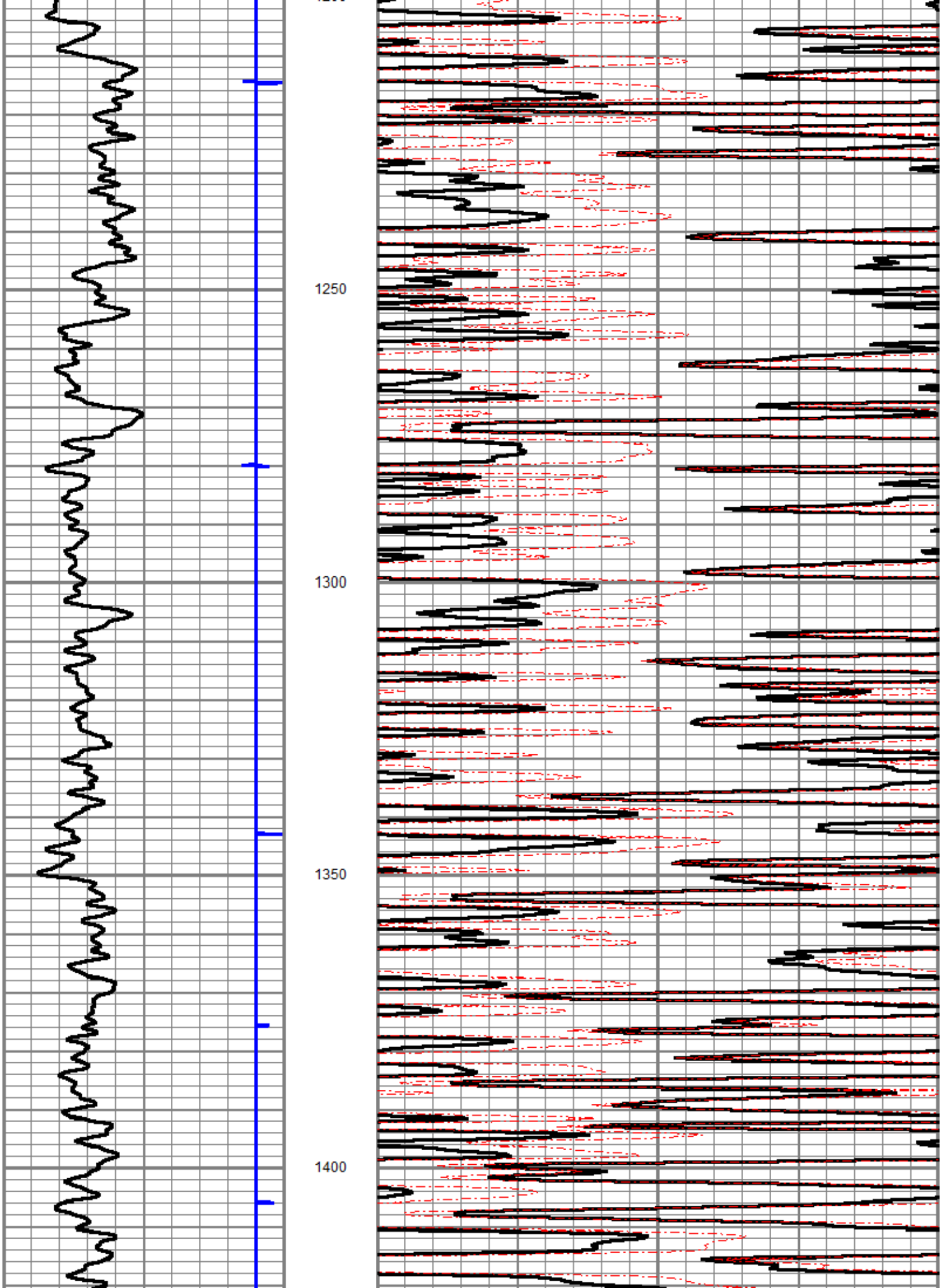

150
200
250
300

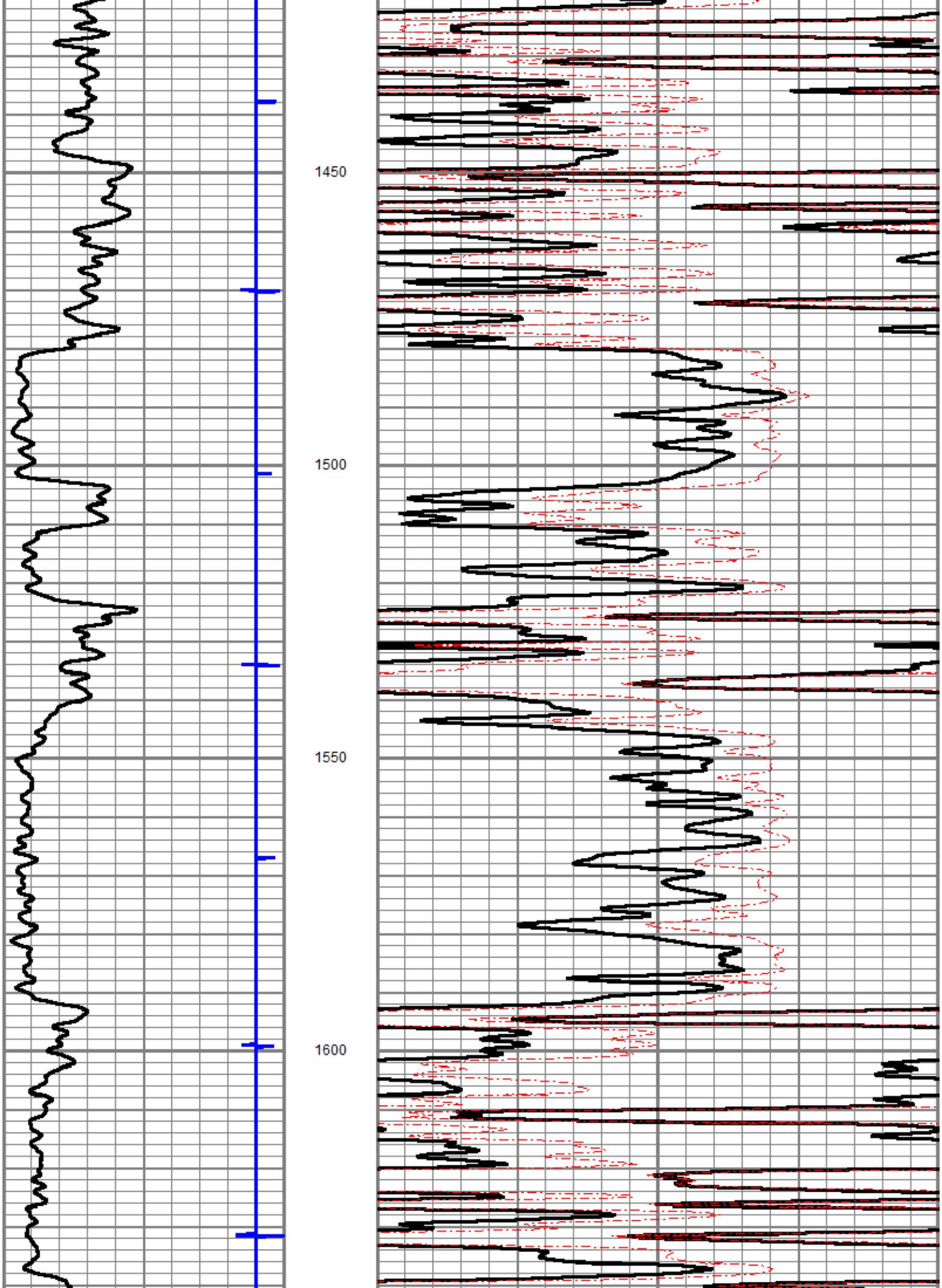

350
400
450
500

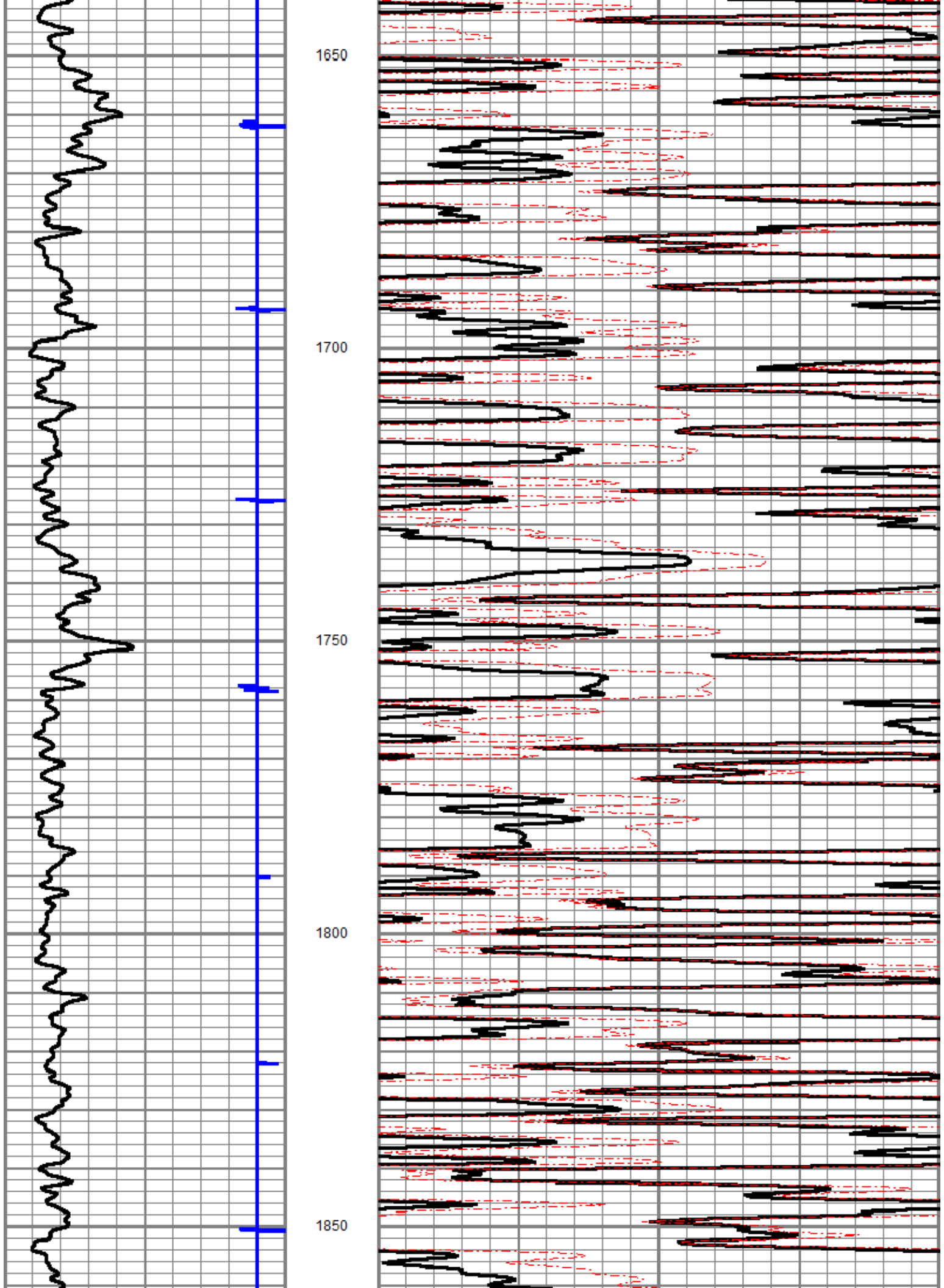

550
600
650
700
750

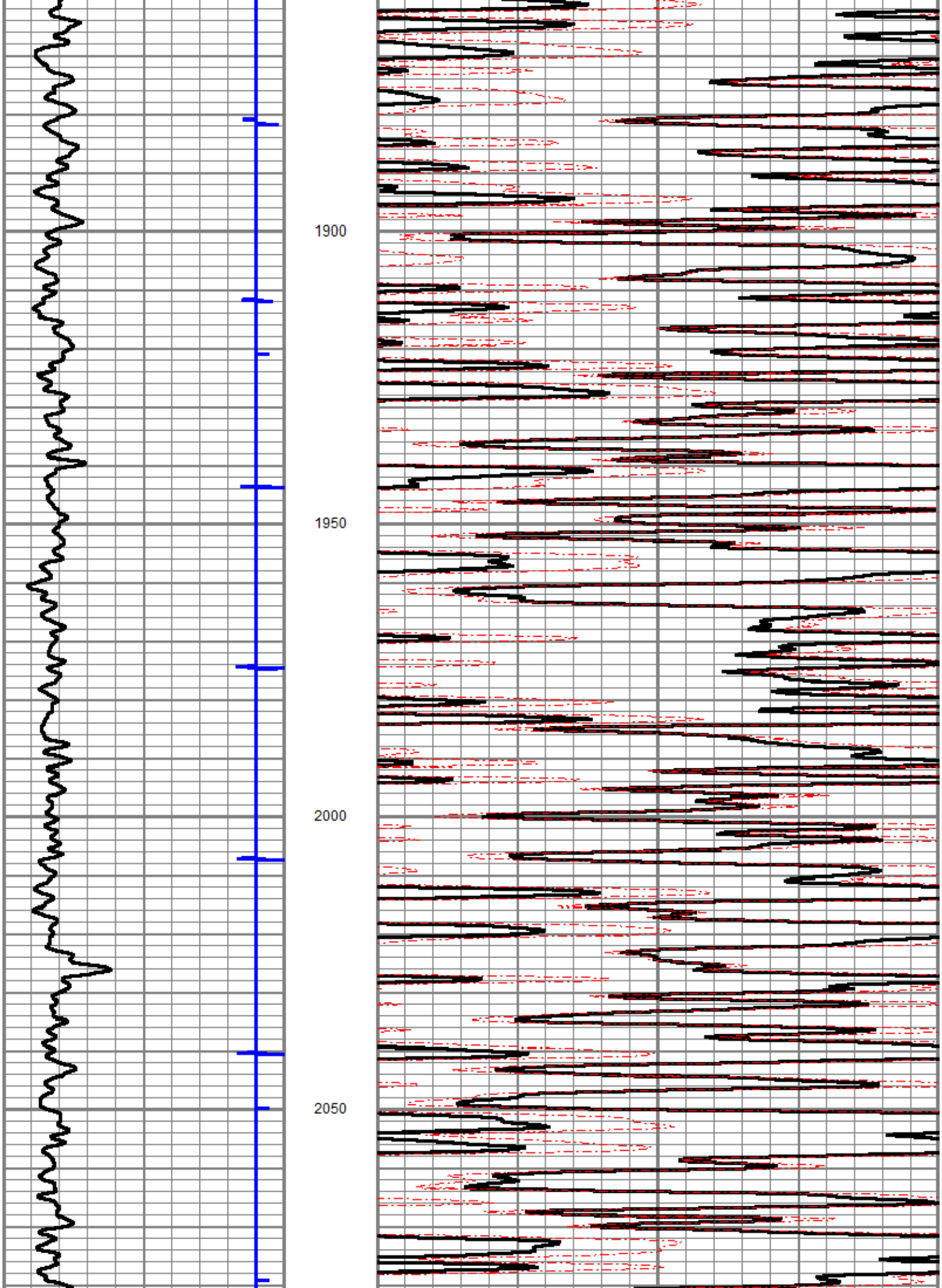

800
850
900
950

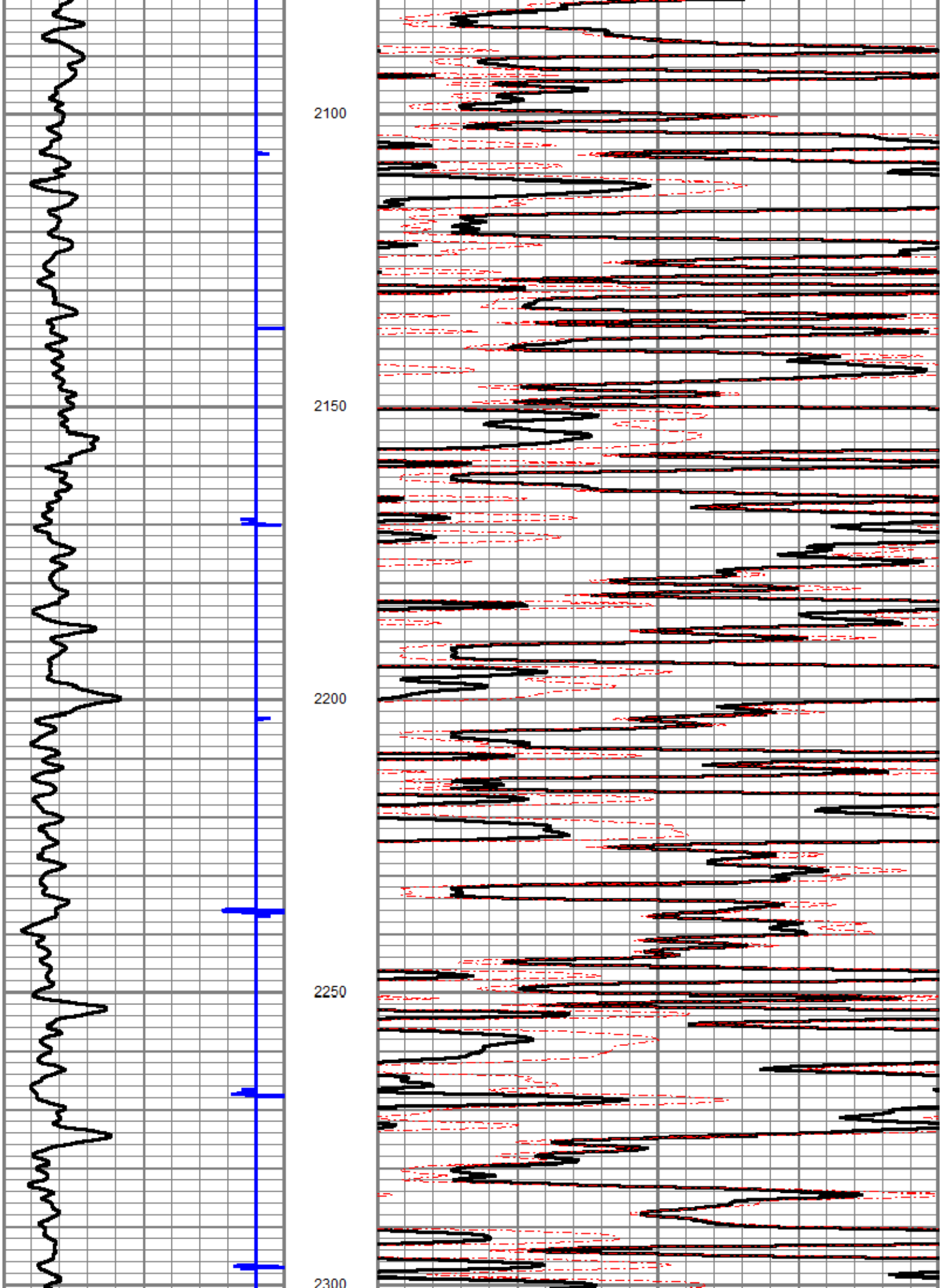

1000
1050
1100
1150
1200

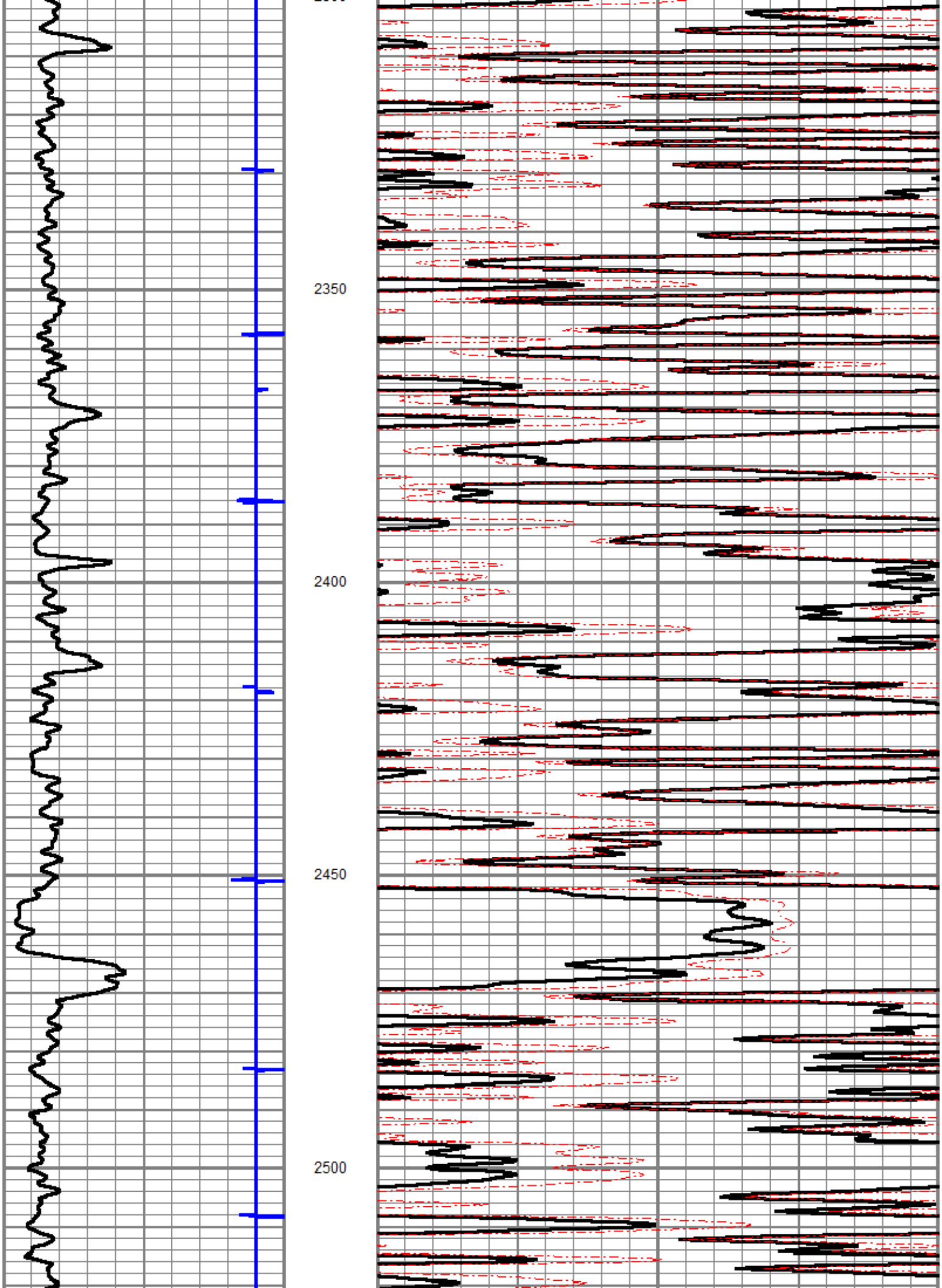

1250
1300
1350
1400

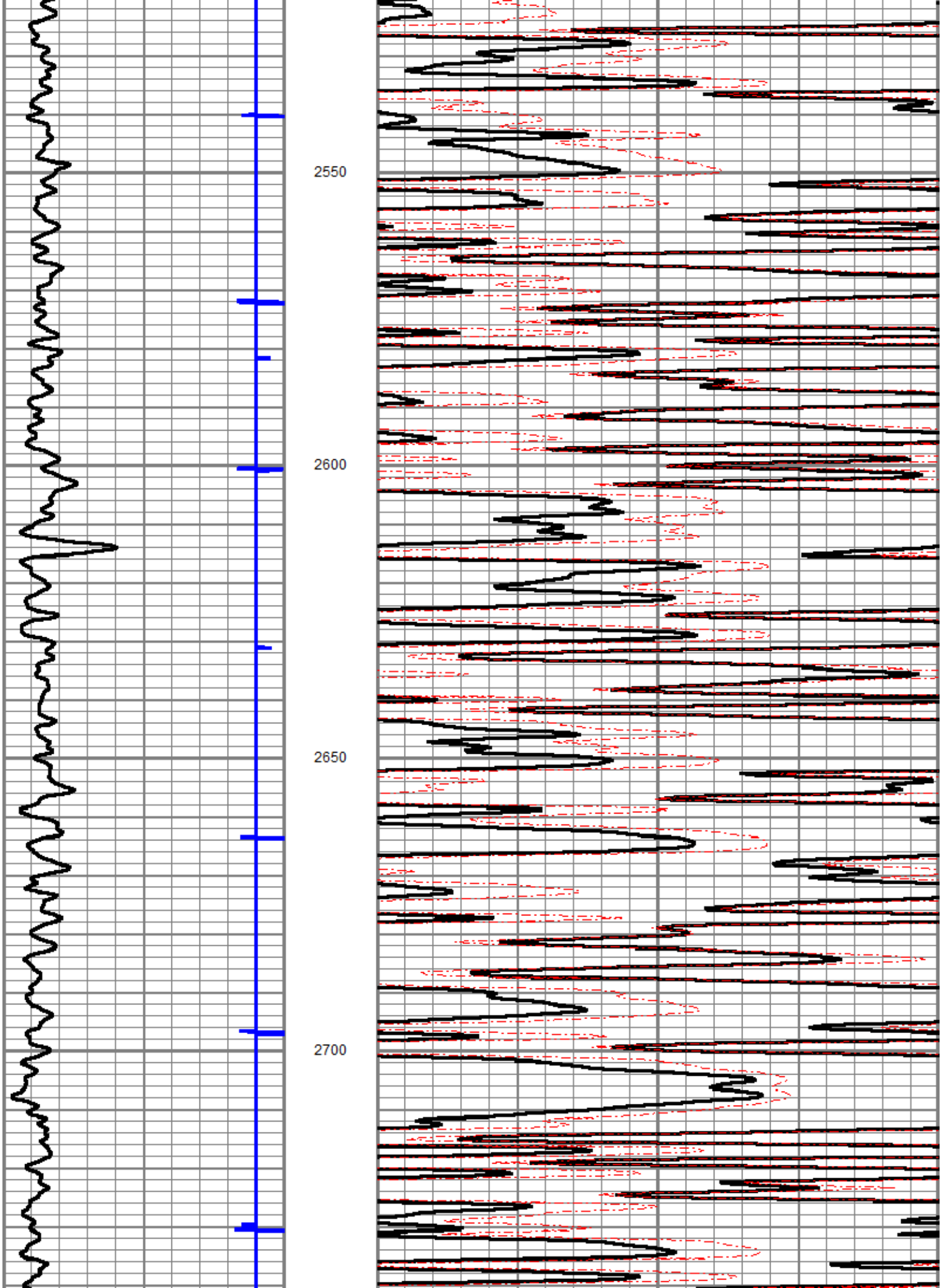

1450
1500
1550
1600

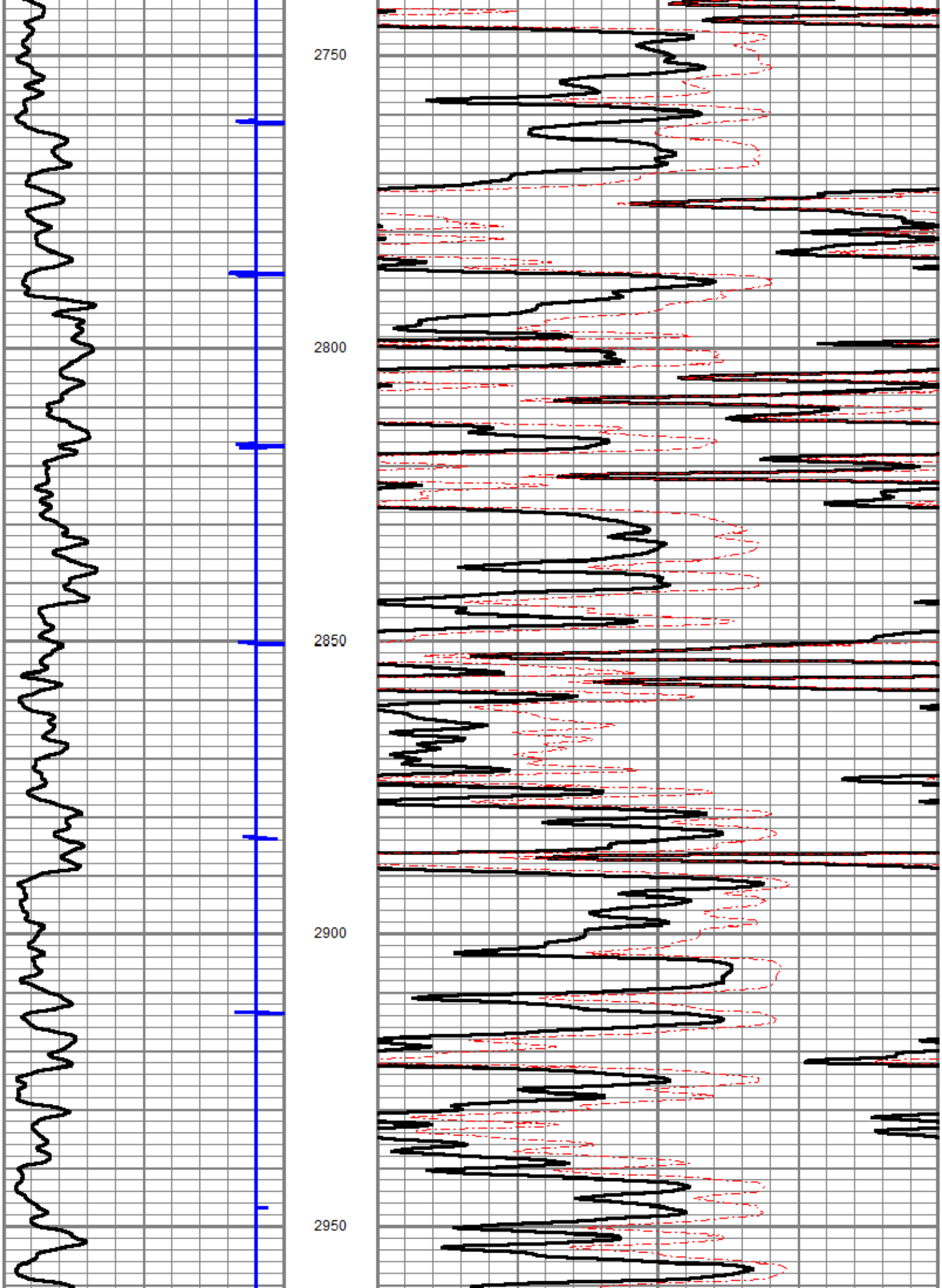

1650
1700
1750
1800
1850

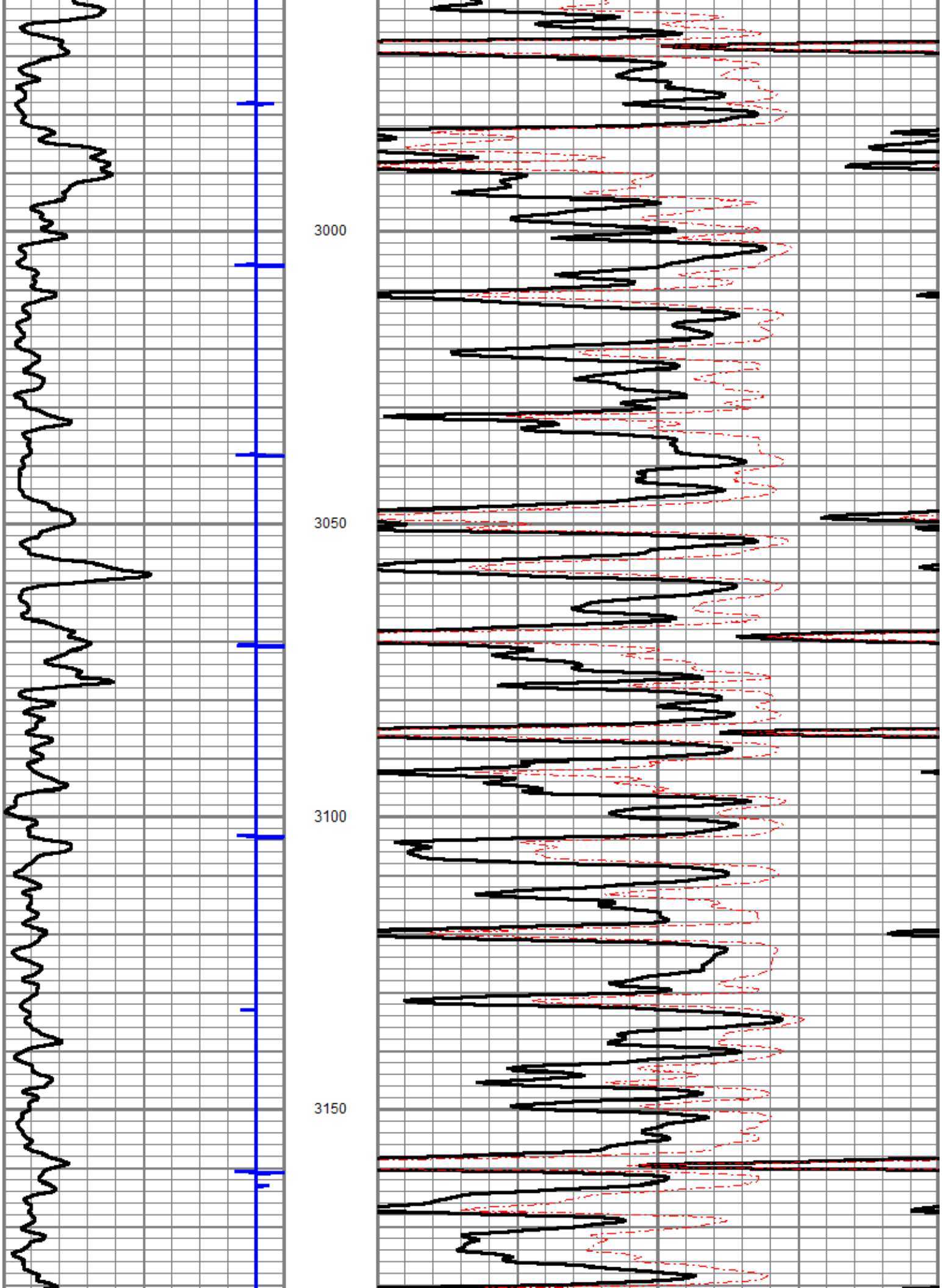

1900
1950
2000
2050

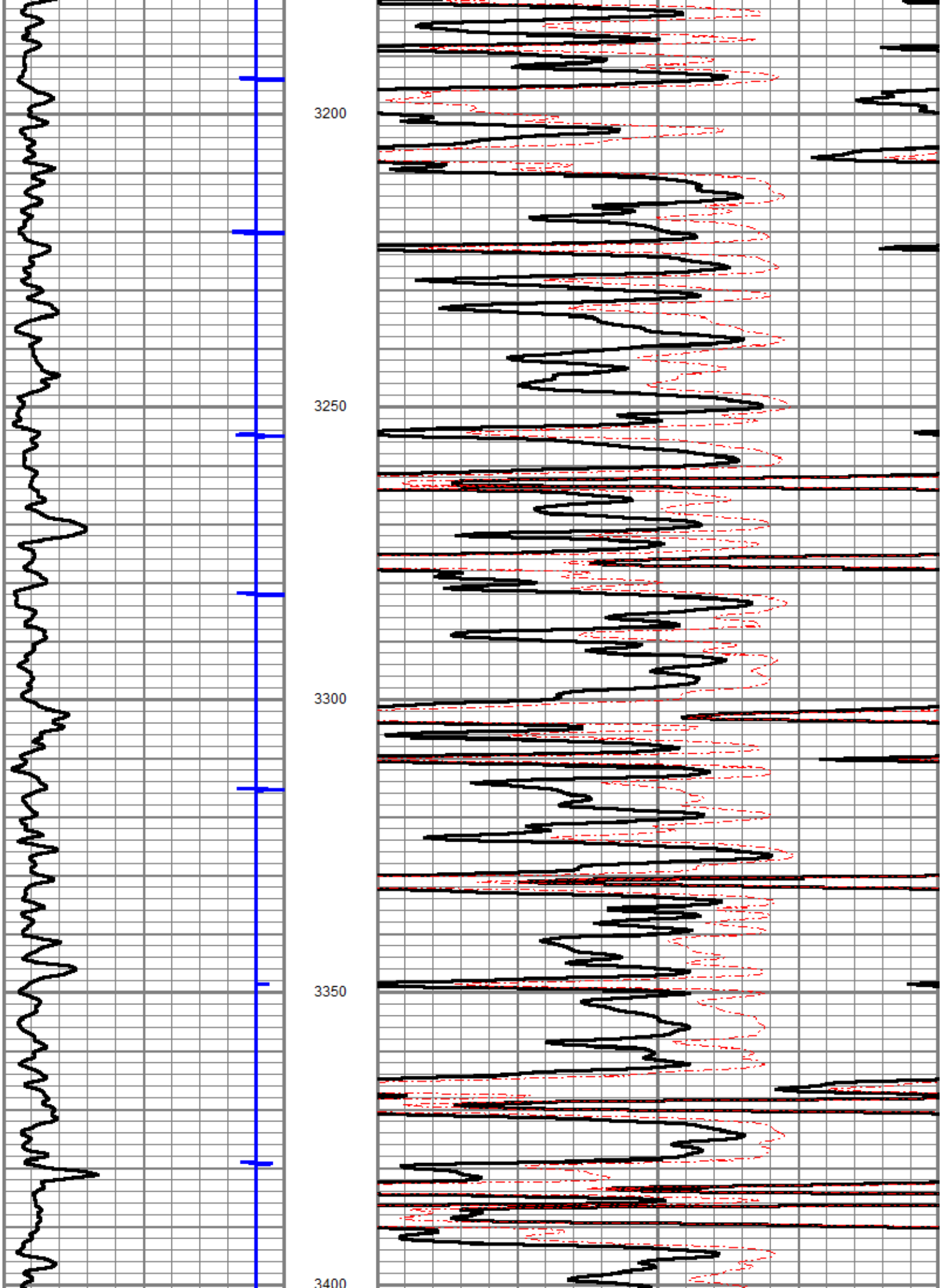

2100
2150
2200
2250
2300

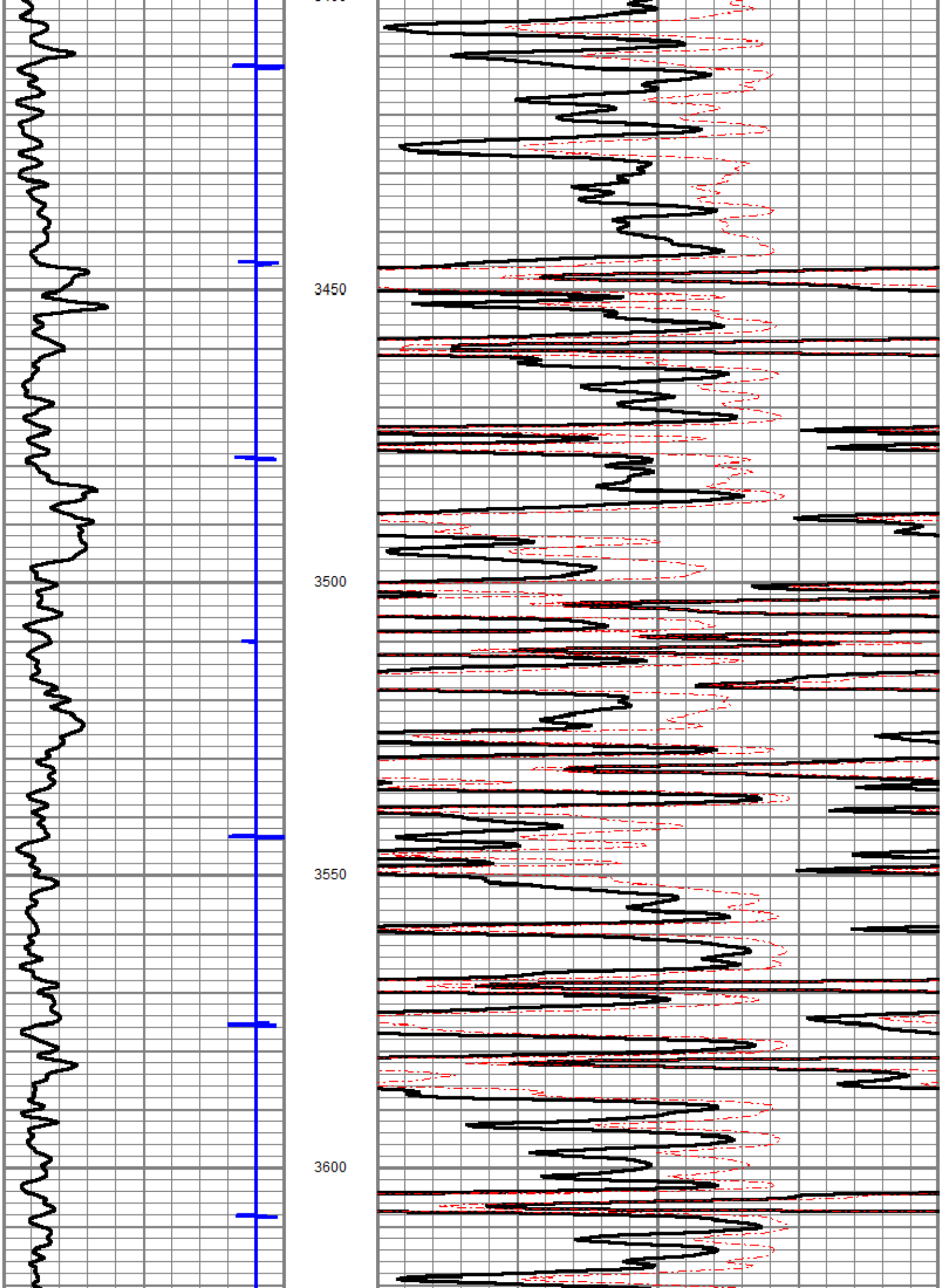

2350
2400
2450
2500

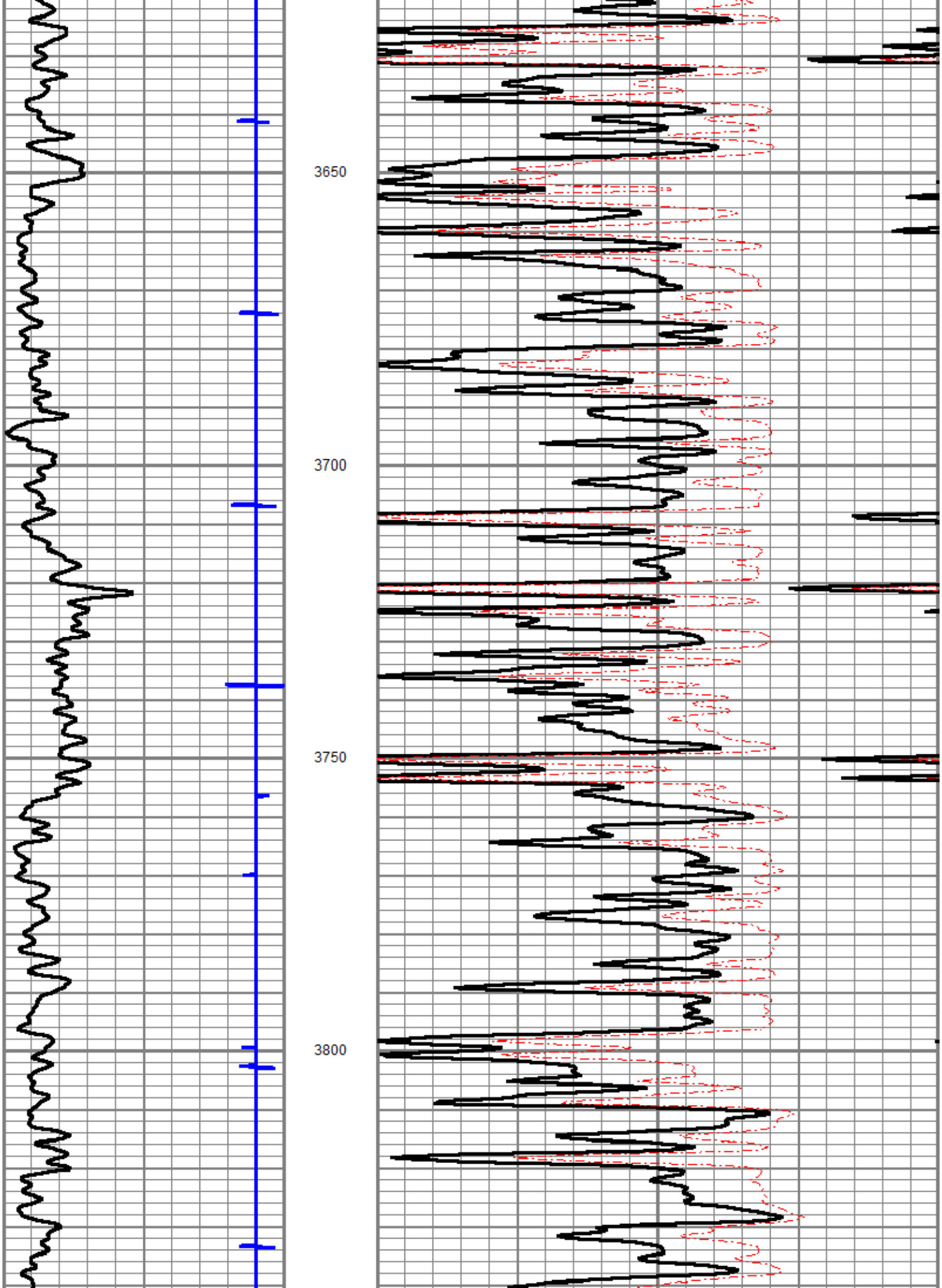

2550
2600
2650
2700

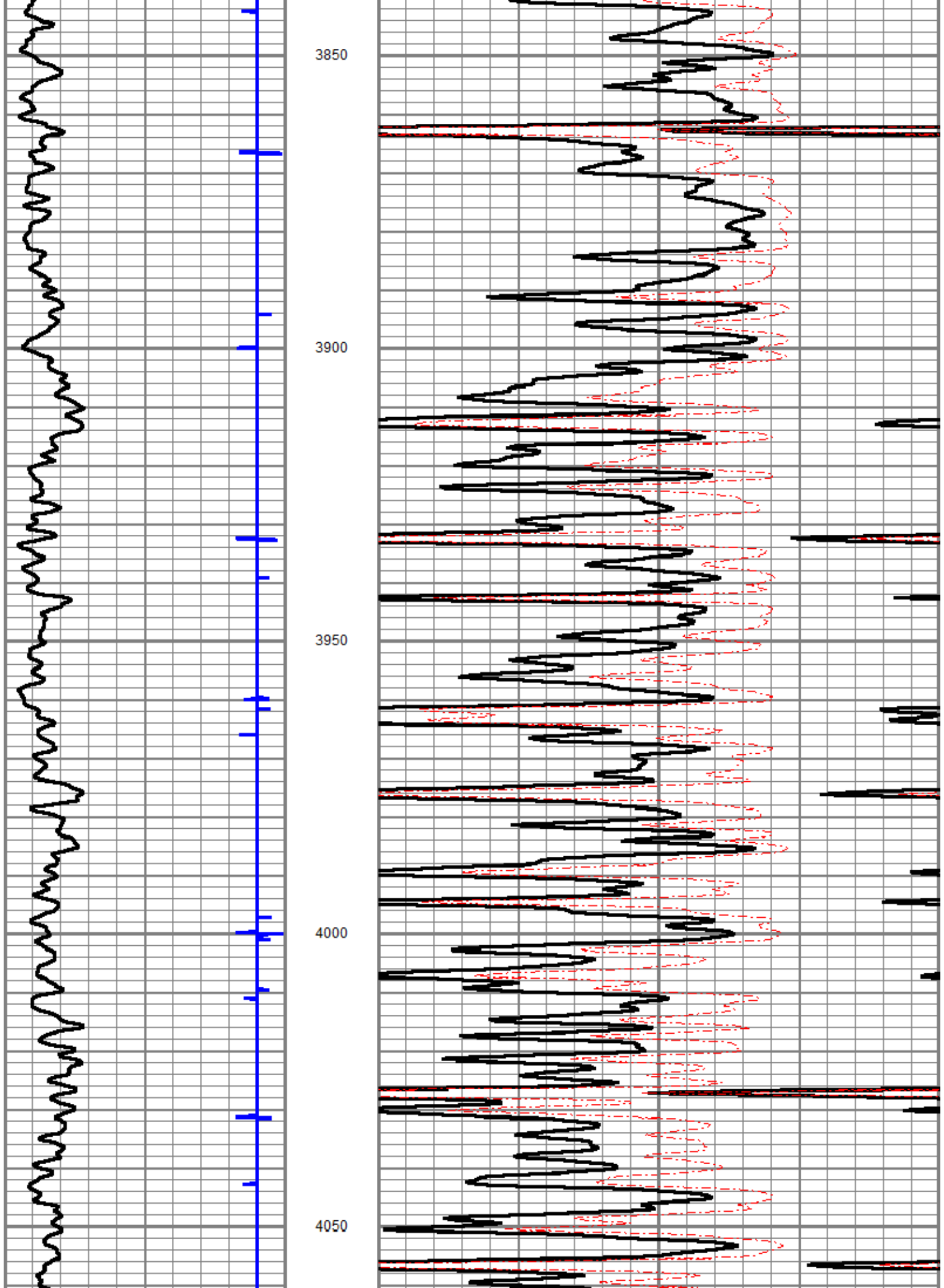

2750
2800
2850
2900
2950

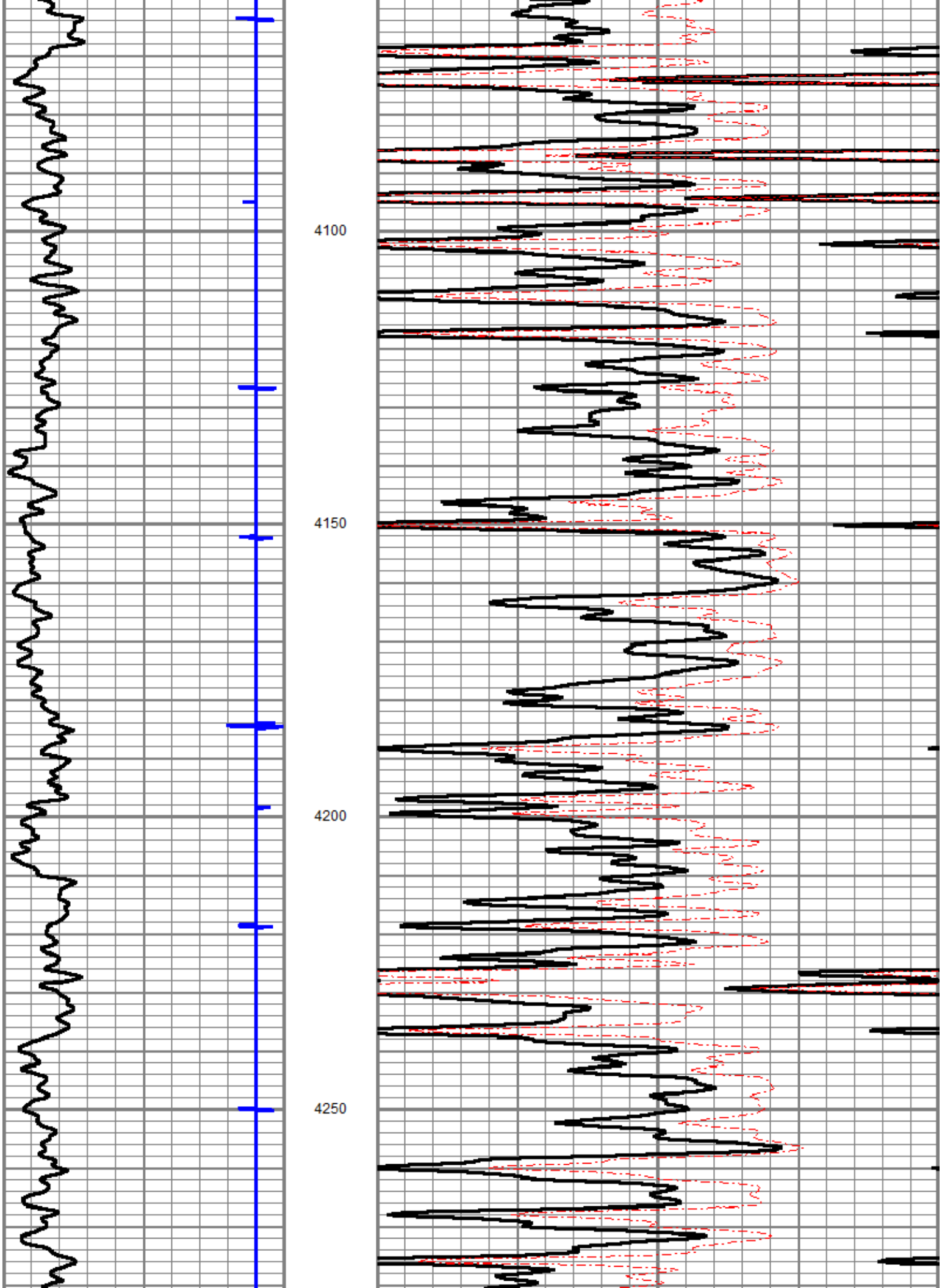

3000
3050
3100
3150

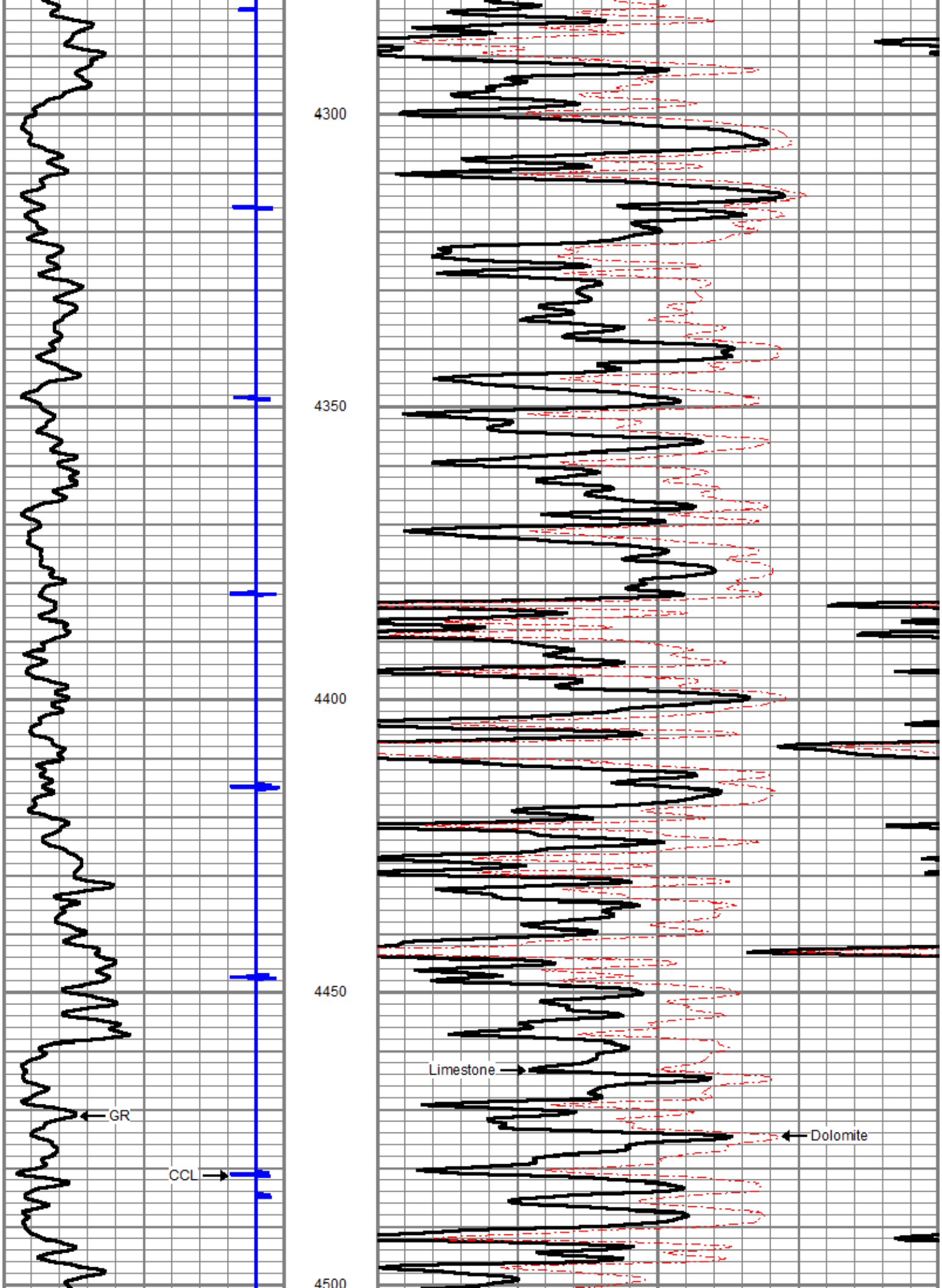

3200
3250
3300
3350
3400

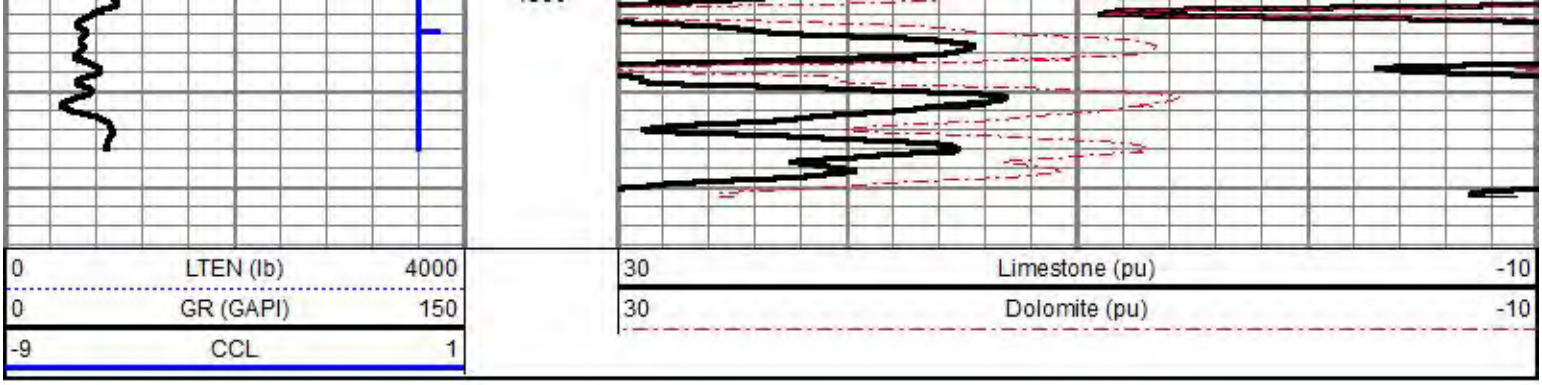

3450
3500
3550
3600


3650
3700
3750
3800


3850
3900
3950
4000
4050

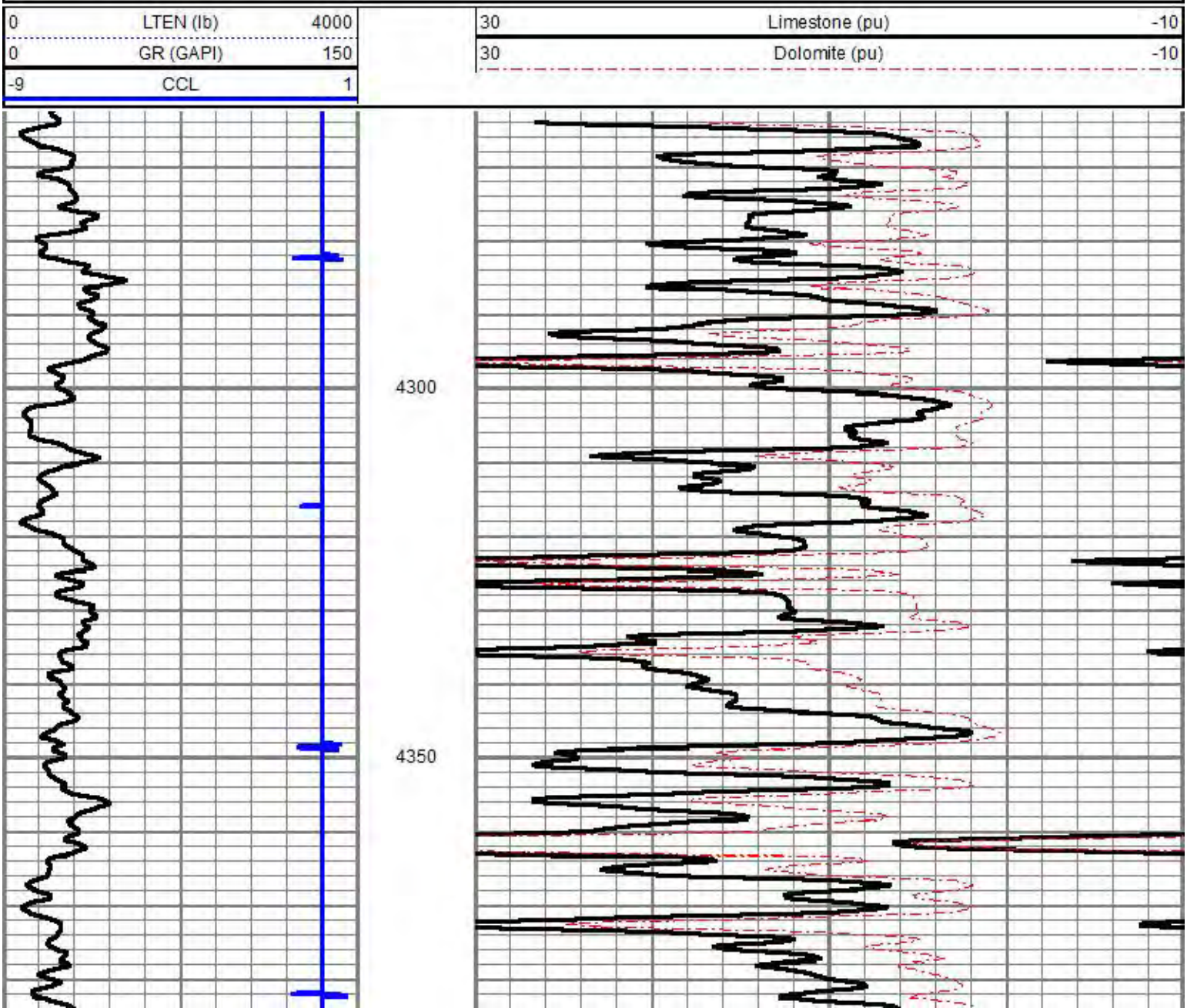

4100
4150
4200
4250

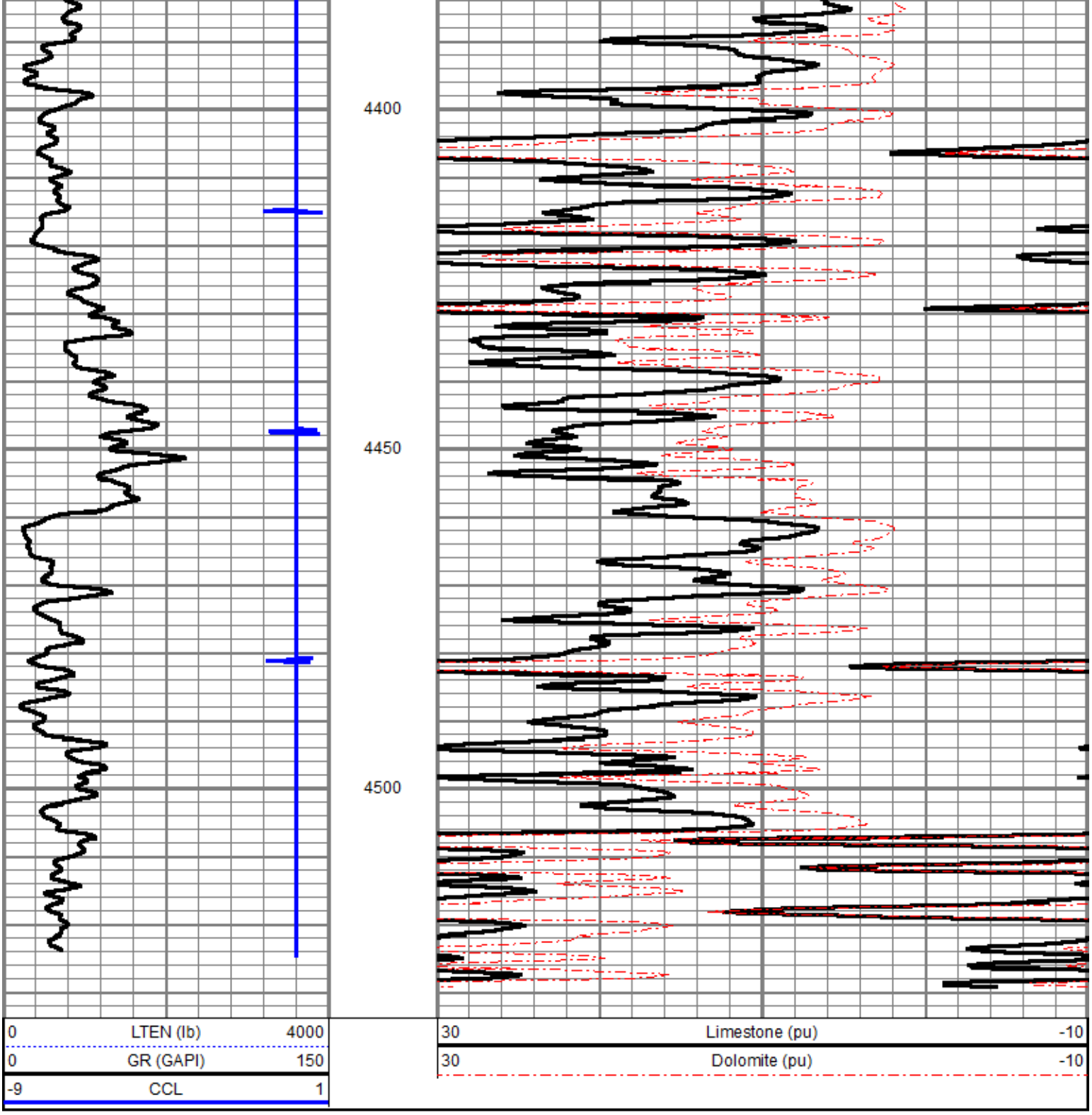

4300
4350
4400
4450
4500
GR
CCL
Limestone
Dolomite



REPEAT PASS

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass3.1
Presentation Format	cntcnts
Dataset Creation	Tue May 22 13:20:22 2018
Charted by	Depth in Feet scaled 1:240





Log Variables

Database C:\ProgramData\Warrior\Data\llano disposal state 27 #1.db
Dataset field/well/run1/pass4/_vars_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASED?	CASEOD	CASETHCK	CASEWGHT	CMNTTHCK	CMTTKCOR
	in	degF		in	in	lb/ft	in	
TEMP	10.75	100	Yes	9.625	0.352	36	0.5625	On

CSTKCOR	MAXAMPL	MINAMPL	MINATTN	NPORSEL	PERFS	PPT	SRFTEMP	SZCOR
	mV	mV	db/ft			usec	degF	
On	51	1	0.8	Limestone	0	0	0	On

TDEPTH
ft
0

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASED? : Cased hole ?
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
CMNTTHCK : Cement Thickness
CMTTKCOR : CN CemThk. Cor. ?
CSTKCOR : CN CasThk. Cor. ?
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
NPORSEL : Neutron Porosity Curve Select
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
SZCOR : CN Size Cor. ?
TDEPTH : Total Depth

Calibration Report

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4
Dataset Creation	Tue May 22 11:29:16 2018

Compensated Neutron Calibration Report

Model:	CNT - Probe_B
Serial Number:	100525

SHOP CALIBRATION — Tue May 08 10:33:48 2018

	Cal Tube	Units
Tank Ratio	11.6940	SS/LS
LS Detector	71.36	cps
SS Detector	777.51	cps
Tool Ratio	10.8963	SS/LS
Tool Gain	1.0732	----

PRE-SURVEY VERIFICATION

	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

POST-SURVEY VERIFICATION

	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

Gamma Ray Calibration Report

Serial Number:	120366	
Tool Model:	Probe275dig	
Performed:	Tue May 08 10:37:36 2018	
Calibrator Value:	1092.0	GAPI
Background Reading:	73.0	cps
Calibrator Reading:	1312.7	cps
Sensitivity:	0.8809	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1311-15	
Tool Model:	Probe	
Calibration Casing Diameter:	9.625	in
Calibration Depth:	167.783	ft

Master Calibration, performed Tue May 22 10:19:34 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.025	0.837	1.000	51.280	61.950	-0.564
CAL	-0.000	1.094				
5'	0.016	0.898	1.000	51.280	56.980	0.116
SUM						
S1	0.015	0.678	0.000	100.000	150.902	-2.258
S2	0.029	0.785	0.000	100.000	132.157	-3.799
S3	0.027	0.946	0.000	100.000	108.835	-2.904
S4	0.025	1.032	0.000	100.000	99.287	-2.505
S5	0.022	0.991	0.000	100.000	103.264	-2.299
S6	0.026	0.874	0.000	100.000	117.903	-3.032
S7	0.021	0.674	0.000	100.000	152.961	-3.157
S8	0.033	0.755	0.000	100.000	138.369	-4.506

Internal Reference Calibration, performed Sat Mar 22 12:18:28 2014:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.000	1.094	1.000	0.000

Air Zero Calibration, performed Mon Jun 02 11:27:25 2014:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Temperature Calibration Report

Serial Number: FW1311-15
Tool Model: Probe
Performed: (Not Performed)

	Reference		Reading	
Low Reference:	0.00	degF	0.00	degF
High Reference:	1.00	degF	1.00	degF

Gain: 1.00
Offset: 0.00
Delta Spacing 1

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1.6875CHD	1.00	1.69	10.00
			CENT-Roller	2.75	2.75	35.00

TEMP	18.95				
WVFS8	16.74	RBT-Probe (FW1311-15) Probe Radii Bond Tool with Digital Telemetry	8.83	2.75	93.00
WVFS7	16.74				
WVFS6	16.74				
WVFS5	16.74				
WVFS4	16.74				
WVFS3	16.74				
WVFS2	16.74				
WVFS1	16.74				
WVFCAL	16.74				
WVF3FT	16.74				
WVF5FT	15.74	CENT-Roller	2.75	2.75	35.00
CCL	8.91				
GR	7.57	GR-Probe275dig (120366) Probe Digital Gamma CCL	4.77	2.75	57.00
		CNT-Probe_B (100525) Probe Digital CNL Tool	5.03	2.75	60.00
CNLSC	1.65				
CNSSC	1.24				

Dataset:	llano disposal state 27 #1.db: field/well/run1/pass4
Total length:	25.14 ft
Total weight:	290.00 lb
O.D.:	2.75 in

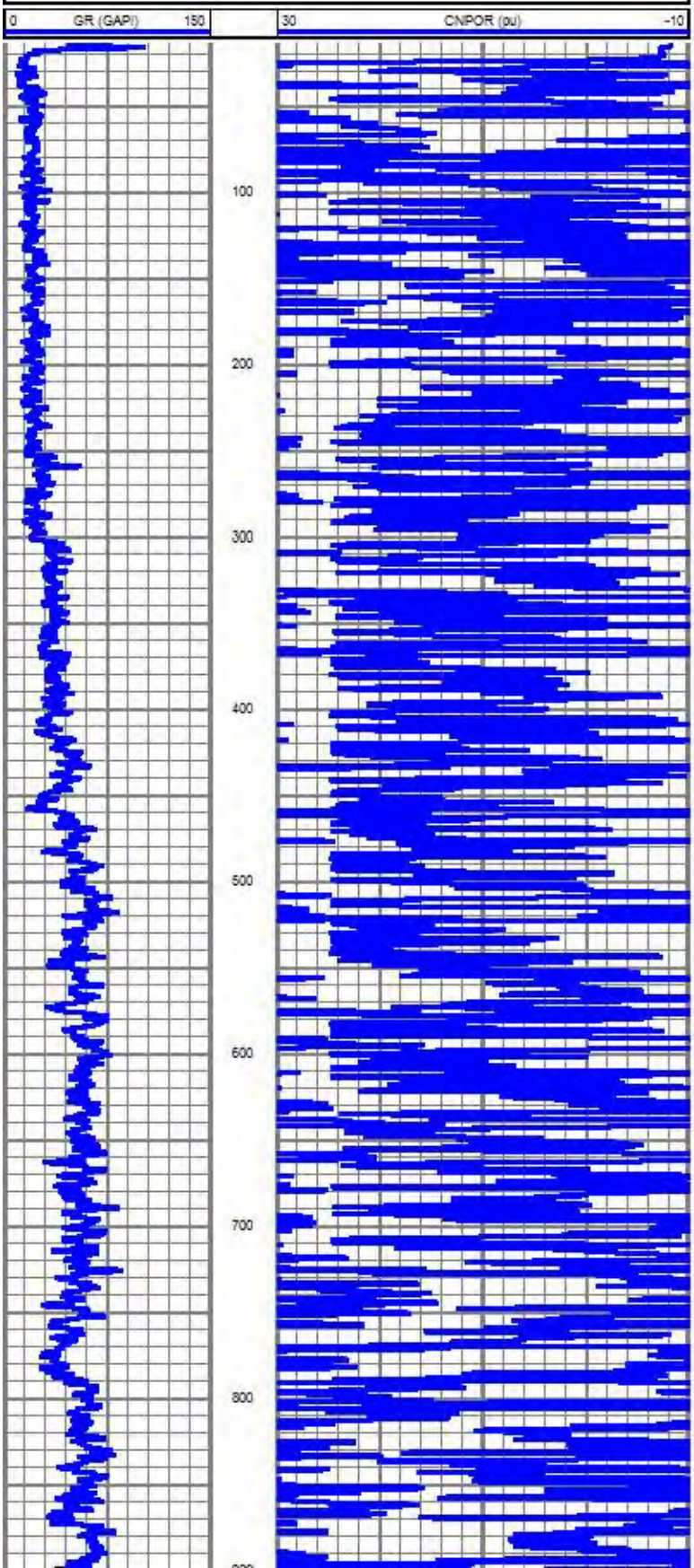
RENEGADE

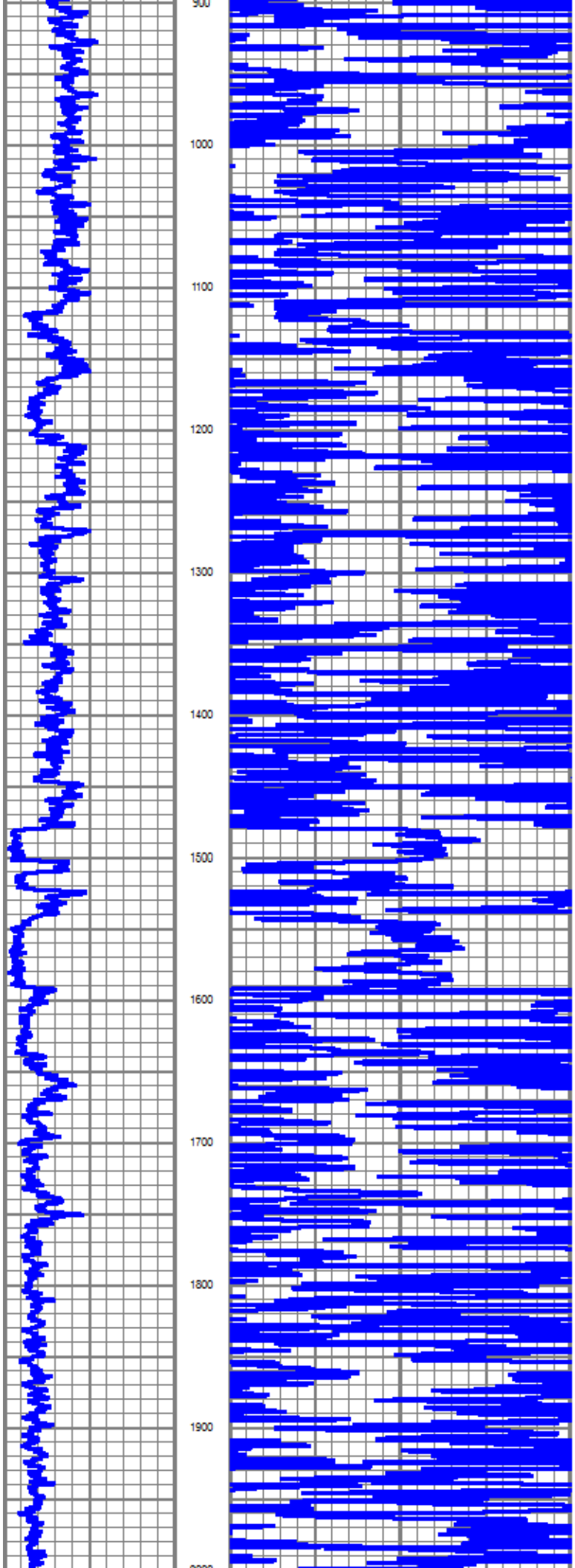
Company	LLANO DISPOSAL LLC.
Well	STATE 27 #1
Field	

County	LEA		
State	NEW MEXICO	Country	U.S.A.

MAIN PASS

Database File	llano disposal state 27 #1.db
Dataset Pathname	pass4.1
Presentation Format	on1inch
Dataset Creation	Tue May 22 13:18:28 2018
Charted by	Depth in Feet scaled 1:1200

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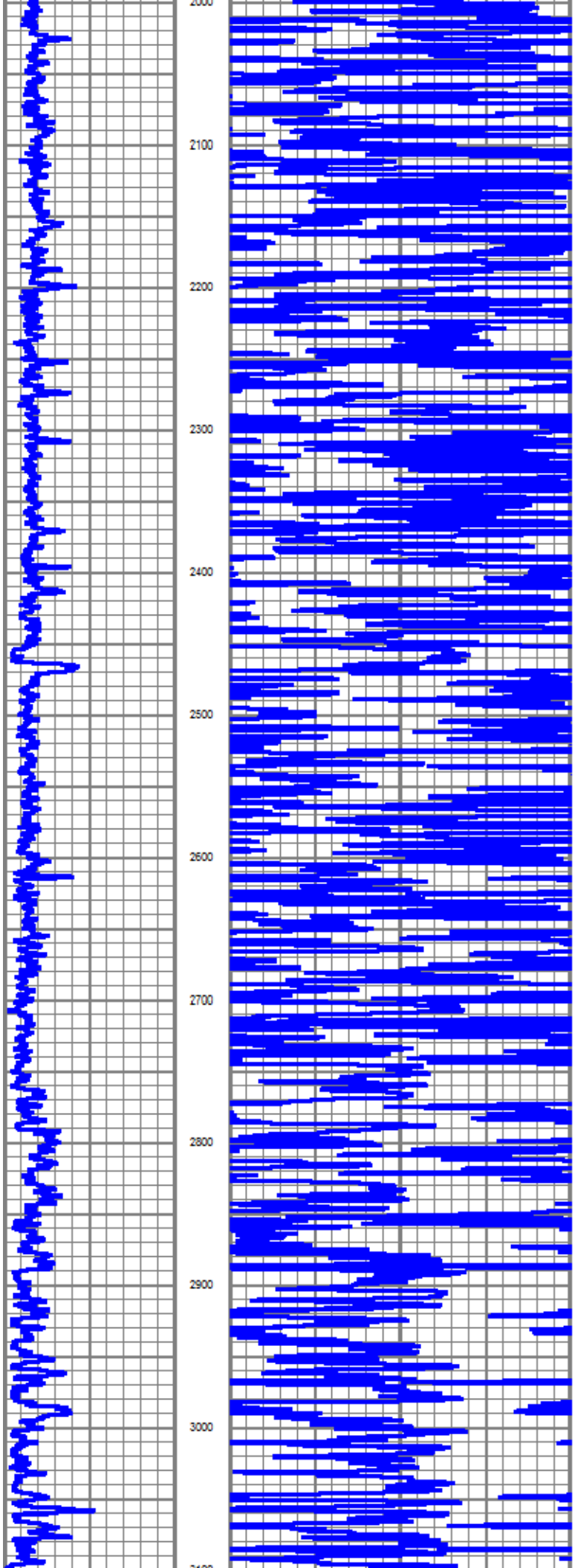
1300
1400
1500
1600
1700
1800
1900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2600
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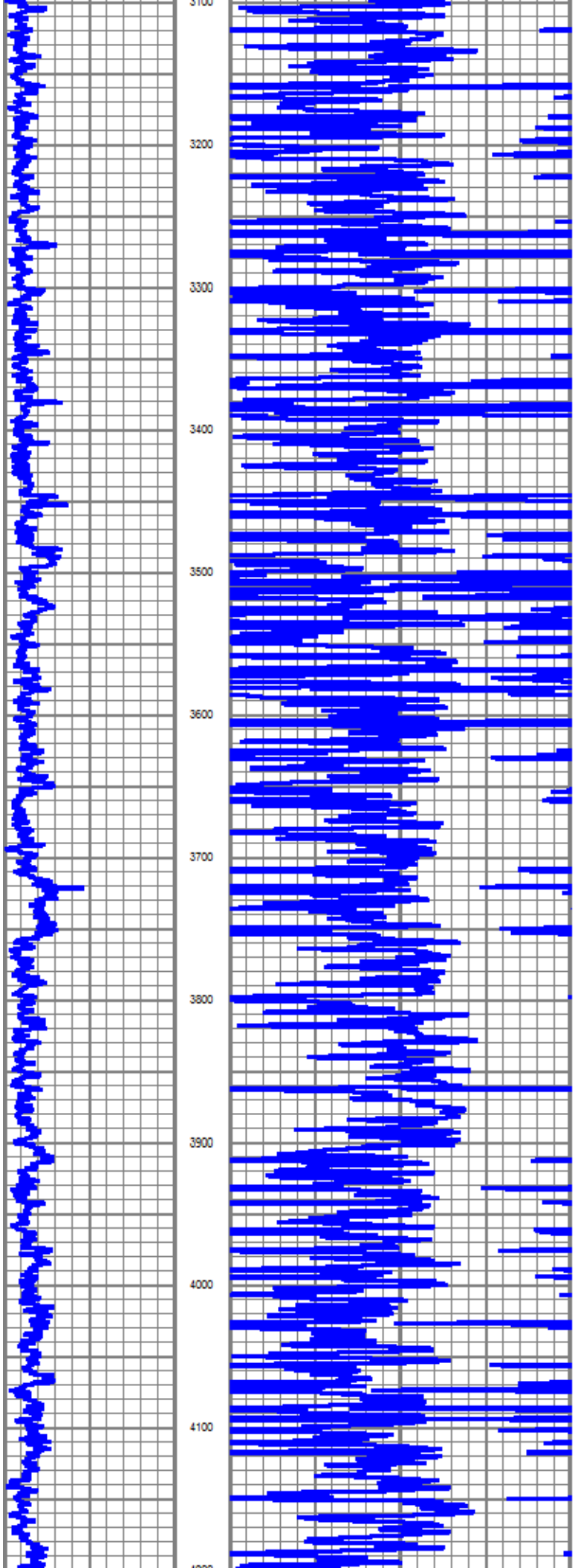
2800
2900
3000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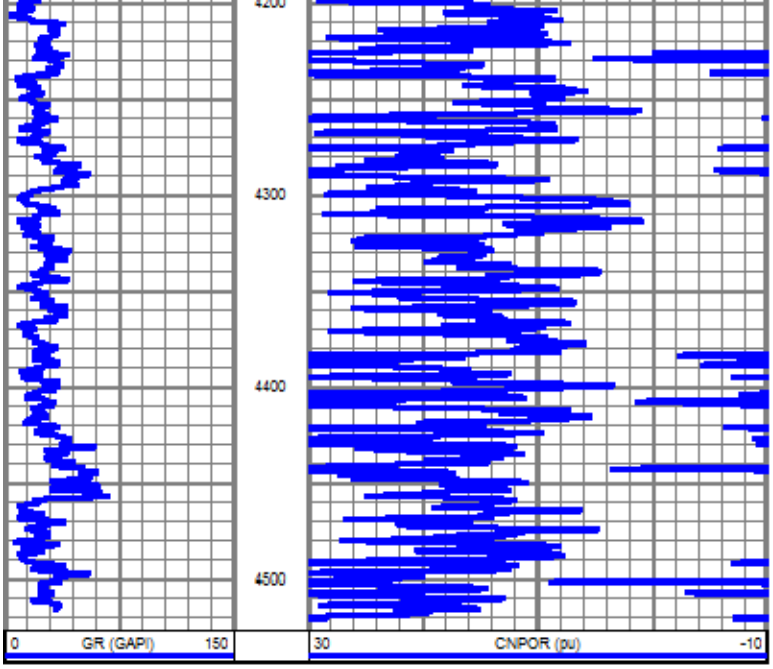
3300
3400
3500
3600
3700
3800
3900
4000
4100


4200
4300
4400
4500
0
GR (GAPI)
150
30
CNPOR (pu)
-10

Chavez, Carl J, EMNRD

From: Kautz, Paul, EMNRD
Sent: Friday, April 27, 2018 8:18 AM
To: Chavez, Carl J, EMNRD; Dannys (Elec And Permitting both); Marvin
Cc: Griswold, Jim, EMNRD; Brown, Maxey G, EMNRD
Subject: RE: BW-38 - State 27 #1 (30-025-20592) Potential Candidate Brine Well Candidate
Attachments: 30025205920000_36_wf.pdf

Danny and Marvin

Attached is your C-103

From: Chavez, Carl J, EMNRD
Sent: Thursday, April 26, 2018 4:09 PM
To: Dannys (Elec And Permitting both) <danny@pwllc.net>; Marvin <burrowsmarvin@gmail.com>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>; Kautz, Paul, EMNRD <paul.kautz@state.nm.us>; Brown, Maxey G, EMNRD <MaxeyG.Brown@state.nm.us>
Subject: FW: BW-38 - State 27 #1 (30-025-20592) Potential Candidate Brine Well Candidate

Danny and Marvin:

Good afternoon. I just spoke with Mr. Kautz and he was signing the C-103 Form to be processed tomorrow.

Paul said he would send the signed C-103 Form to you guys tomorrow first thing in the morning. I will be out-of-the office tomorrow.

Thanks Paul for your prompt attention to the C-103 Form. For clarification, Paul confirmed with me today that OCD-Hobbs does not sign-off on the C-101 Form, etc. until OCD- SF has actually issued the WQCC Brine Well Permit.

Thank you and good luck! 😊

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us
"Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?" (To see how, go to: http://www.emnrd.state.nm.us/OCD **and see "Publications")**

From: Kautz, Paul, EMNRD
Sent: Thursday, April 26, 2018 3:09 PM
To: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>
Subject: RE: BW-38 - State 27 #1 (30-025-20592)

Karen Sharp has been holding on to these forms and finally gave them to me earlier today. I have no problems with the forms. I did give the property name a property code of 321282.

Paul

From: Chavez, Carl J, EMNRD
Sent: Thursday, April 26, 2018 2:17 PM
To: Kautz, Paul, EMNRD <paul.kautz@state.nm.us>
Cc: Griswold, Jim, EMNRD <Jim.Griswold@state.nm.us>
Subject: FW: BW-38 - State 27 #1 (30-025-20592)

Paul:

Hi. Do you have any concerns or comments on the C-103 Form (see attachment)?

If not, OCD- SF will approve and process the form in the Admin. Records (BW-38 and API# Well File) so Llano can get going on the logging.

Thank you.

Mr. Carl J. Chavez, CHMM (#13099)
New Mexico Oil Conservation Division
Energy Minerals and Natural Resources Department
1220 South St Francis Drive
Santa Fe, New Mexico 87505
Ph. (505) 476-3490
E-mail: CarlJ.Chavez@state.nm.us
"Why not prevent pollution, minimize waste to reduce operating costs, reuse or recycle, and move forward with the rest of the Nation?" (To see how, go to: http://www.emnrd.state.nm.us/OCD **and see "Publications")**

From: danny@pwllc.net <danny@pwllc.net>
Sent: Wednesday, April 18, 2018 10:33 AM
To: Kautz, Paul, EMNRD <paul.kautz@state.nm.us>
Cc: Chavez, Carl J, EMNRD <CarlJ.Chavez@state.nm.us>; Marvin Burrows <burrowsmarvin@gmail.com>
Subject: BW-38 - State 27 #1 (30-025-20592)

Paul,
Attached is an electronic copy of a C-101, C-102 and C-103 for the subject well. The hard copies are being mailed to you today. As Carl has previouly advised, Llano Disposal LLC's bonding for this well was approved today by Ms. Allison Marks. The C-103 is requesting approval to re-enter the well, drill out the top three plugs and obtaining logs (CBL, CNL, casing inspection) for further evaluating this well for possible brine service under pending BW-38.

If you have any questions, please let me know.
Thank you,
Danny J. Holcomb
Agent for Llano Disposal, LLC
Cell: 806-471-5628
Email: danny@pwllc.net

Submit 1 Copy To Appropriate District Office
District I – (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II – (575) 748-1283
811 S. First St., Artesia, NM 88210
District III – (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV – (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

HOBBSOCD
APR 20 2018
RECEIVED

Form C-103
Revised July 18, 2013

WELL API NO. 30-025-20592	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No.	
SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)	7. Lease Name or Unit Agreement Name: State 27
1. Type of Well: Oil Well ☐ Gas Well ☒ Other - PxA Well Re-entry	8. Well Number 1
2. Name of Operator: Llano Disposal, LLC	9. OGRID Number: 370661
3. Address of Operator: P.O. Box 190, Lovington, NM 88260	10. Pool name or Wildcat: BSW; Salado
4. Well Location: Unit Letter L : 1980 feet from the South line and 660 feet from the West line; Section 27 Township 16S Range 33E NMPM Lea County	
11. Elevation *(Show whether DR, RKB, RT, GR, etc.)*: 4201' GL	

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☒	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
CLOSED-LOOP SYSTEM ☒			
OTHER: Re-entry to run CBL, CNL and caliper log ☒		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

In accordance with discussions with OCD Environmental Bureau, OCD District 1 and SLO, Llano Disposal LLC proposes to re-entry this P&A well to inspect casing for possible conversion to a brine supply well pending WQCC Discharge Permit BW-38 approval:

1) Back drag/level location, set anchors, dig out around existing PxA marker, MI welder, cut off PxA marker, reveal good 13-3/8" and 9-5/8" casing, install new casing (if necessary) and well head at ground level.
2) MIRU pulling unit, NU BOP, unload and tally 2-7/8" workstring, set 2 frac tanks and fill one with FW. MIRU reverse unit, swivel and stripping head, RIH with 8-3/4" skirted MT bit, bit sub, four 4-3/4" DCs and 2-7/8" workstring, drill cement plug #7 (surface to 30'), plug # 6 (465' – 198') and plug #5 (1600' – 1465') utilizing closed loop system.
3) Tag plug #5 at 4505', circulate hole clean, close BOP, test casing to 300#, POOH & LD 2-7/8" workstring, DCs, bit sub and bit.
4) MIRU WL, run CBL, CNL and casing caliper log from base of salt at approximately 2606' to surface, RDMO WL.
5) ND BOP, install B-1 adaptor, secure and close in well, RDMO pulling unit, reverse unit and tanks.
6) Submit CBL, CNL and caliper log to OCD Environmental Bureau (SF) and OCD District 1 (Hobbs) to determine if well is suitable for brine well service. Suspend further well work until additional permitting is approved.

Spud Date: | Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE DJHolcomb TITLE Agent for Llano Disposal, LLC DATE 4/18/2018

Type or print name Danny J. Holcomb E-mail address: danny@pwllc.net PHONE: 806-471-5628

For State Use Only

APPROVED BY: TITLE Petroleum Engineer DATE 04/26/18
Conditions of Approval (if any):