



Well Services

RADIAL BOND TOOL  
GAMMA RAY  
CCL

Company NOBLE  
Well DECHANT D31-22D  
Field WATTENBERG  
County WELD  
State CO  
Country USA

Company NOBLE  
Well DECHANT D31-22D  
Field WATTENBERG  
County WELD  
State CO  
Country USA

Location: API #: 05-123-32838  
NE/SE  
LAT 40.179820 LONG -104.587570  
SEC 31 TWP 3N RGE 64W  
Permanent Datum GL Elevation 4815'  
Log Measured From KB 14'  
Drilling Measured From GL  
Other Services  
Elevation  
K.B. 4829'  
D.F. 4828'  
G.L. 4815'

Date 9/22/2021  
Run Number ONE  
Depth Driller 7795'  
Depth Logger 2451'  
Bottom Logged Interval 2155'  
Top Log Interval SURFACE  
Open Hole Size 8.625'  
Type Fluid WATER  
Density / Viscosity N/A  
Max. Recorded Temp. 128.51°  
Estimated Cement Top N/A  
Time Well Ready ON ARRIVAL  
Time Logger on Bottom N/A  
Equipment Number 7770  
Location GREELEY, CO  
Recorded By CODY JENSEN  
Witnessed By SARREDONDO

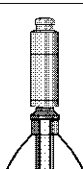
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8.625"	24#	SURFACE	811'			
Prot. String							
Production String	4.5"	11.6#	SURFACE	7782'			
Liner							

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

Comments

RAN CBL TO VERIFY CEMENT BOND  
WELL LOADED UPON ARRIVAL

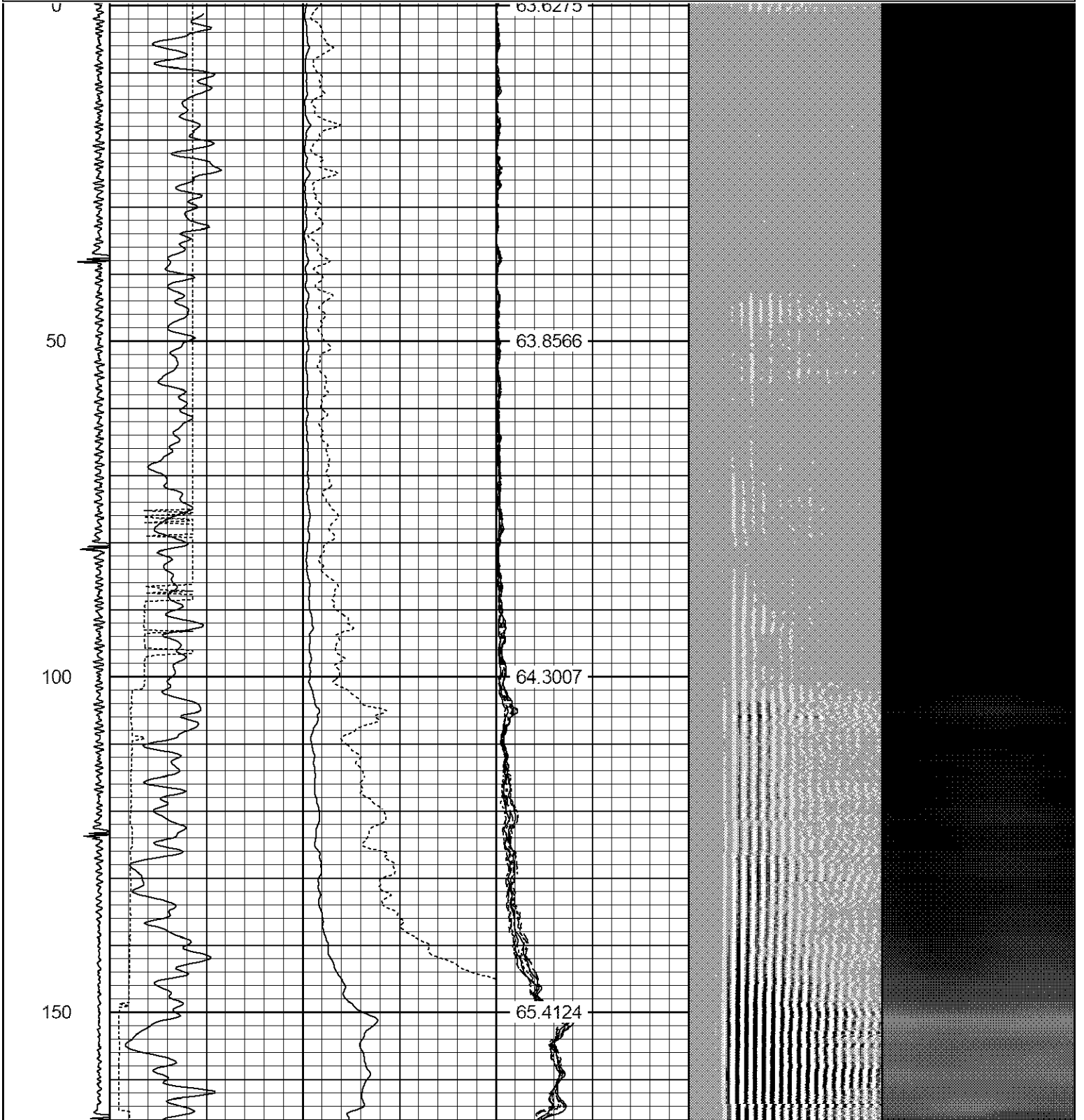
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1_11/16_Cablehead 1 11/16 Cablehead	1.00	1.68	5.00

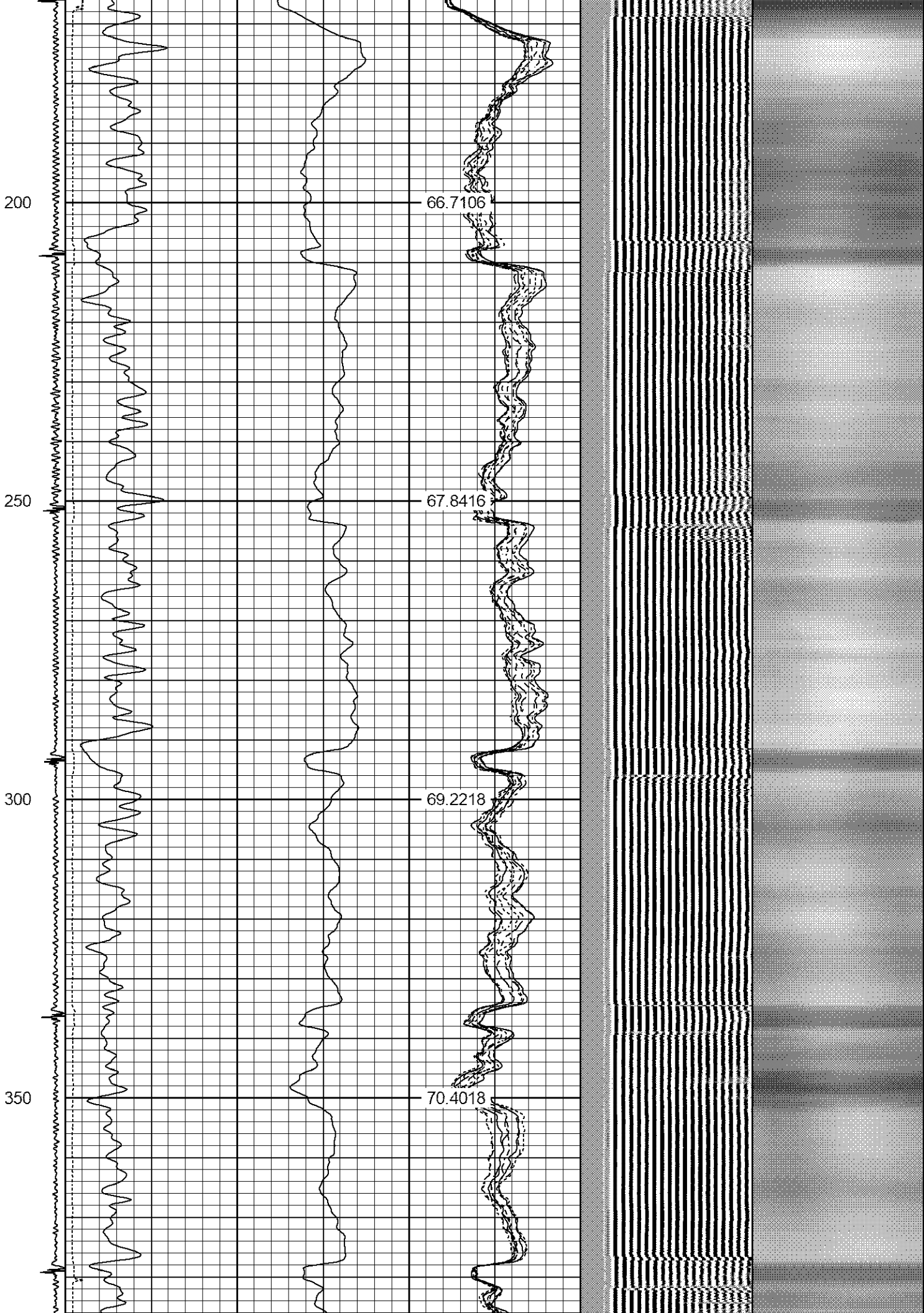
			CENT-1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
HEADVOLT	16.88					
Temp	14.02					
WVFS8	11.79		RBT-27SBT10 (Greeley Ext Temp) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	
WVFS7	11.79					
WVFS6	11.79					
WVFS5	11.79					
WVFS4	11.79					
WVFS3	11.79					
WVFS2	11.79					
WVFS1	11.79					
WVF3FT	11.79					
WVF5FT	10.79					
WVFCAL	7.54					
HEADVOLT	7.54					
			CENT-1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
CCL	3.63					
			GR-27GRL10 (27GRL10-XXXX) 2-3/4" Probe Gamma Ray	4.54	2.75	50.00
GR	0.89					

Dataset: dechant d31-22d.db: field/well/run1/pass6  
 Total length: 20.93 ft  
 Total weight: 85.00 lb  
 O.D.: 2.75 in

Database File dechant d31-22d.db  
 Dataset Pathname pass6  
 Presentation Format ips\_rbtcolor  
 Dataset Creation Wed Sep 22 10:05:27 2021  
 Charted by Depth in Feet scaled 1:240

-9 CCL 1	200 TT (usec) 1000	0 AMP (mV) 100	0 AMPS1 100	200 VDL (usec) 1200	1 Cement Map	8
LSPD	0 GR (GAPI) 200	0 AMPx5 (mV) 20	0 AMPS2 100			
(ft/min)	200 GR (GAPI) 400		0 AMPS3 100			
0 250			0 AMPS4 100			
			0 AMPS5 100			
			0 AMPS6 100			
			0 AMPS7 100			
			0 AMPS8 100			
			TEMP			
			(degF)			





400

450

500

550

600

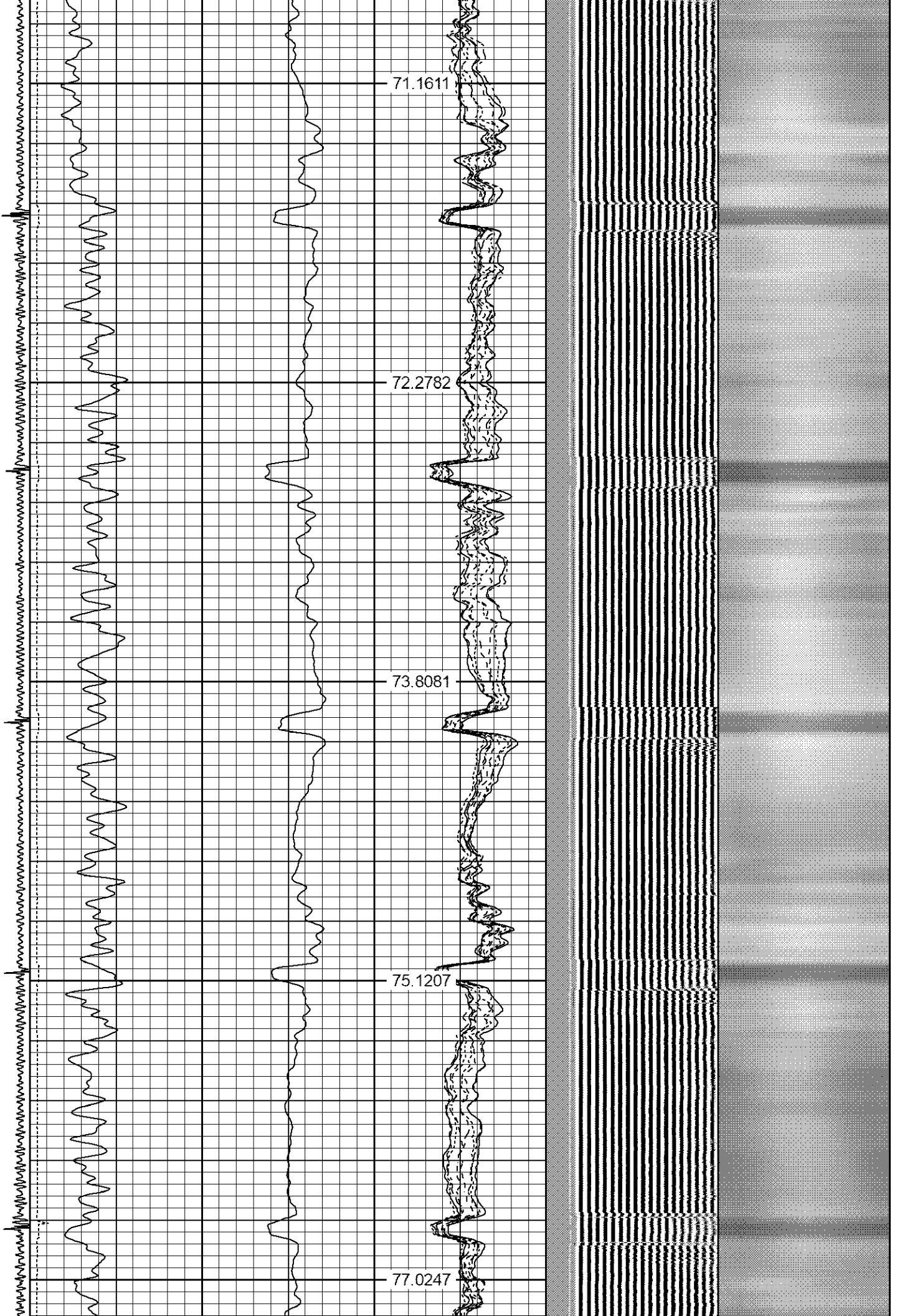
71.1611

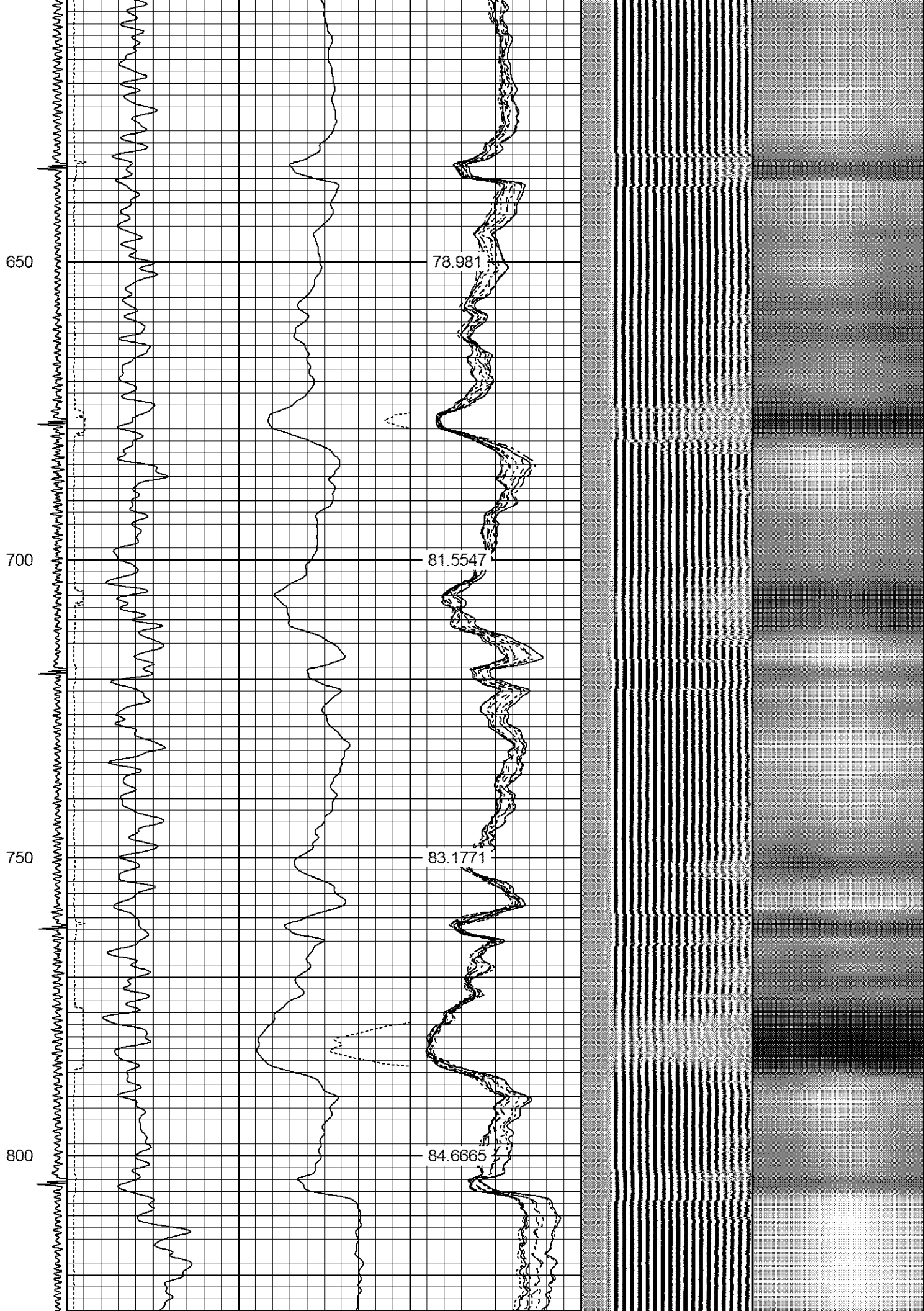
72.2782

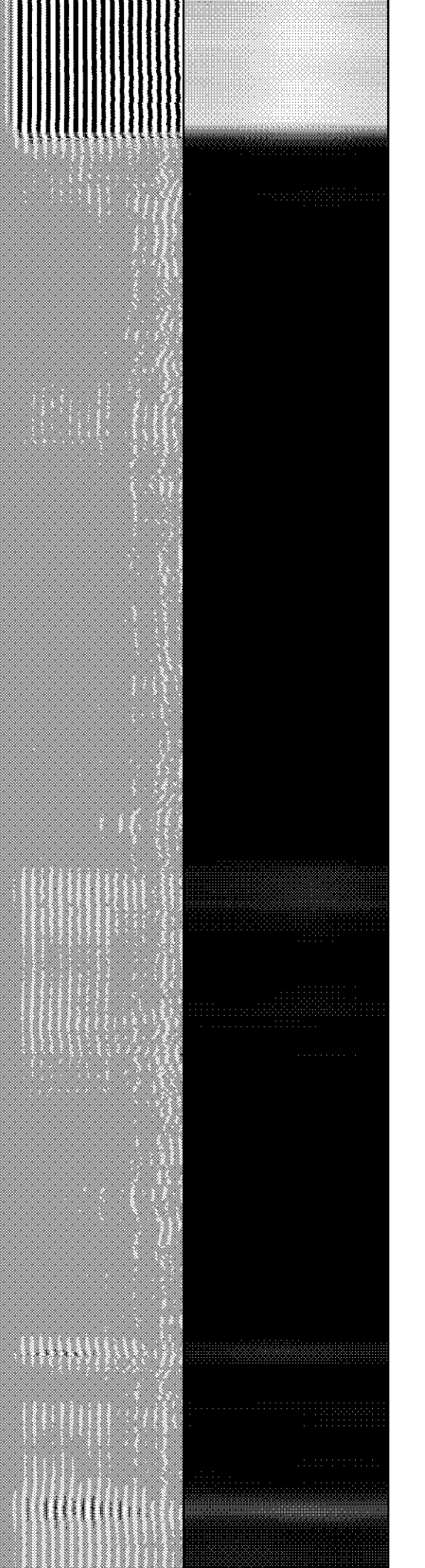
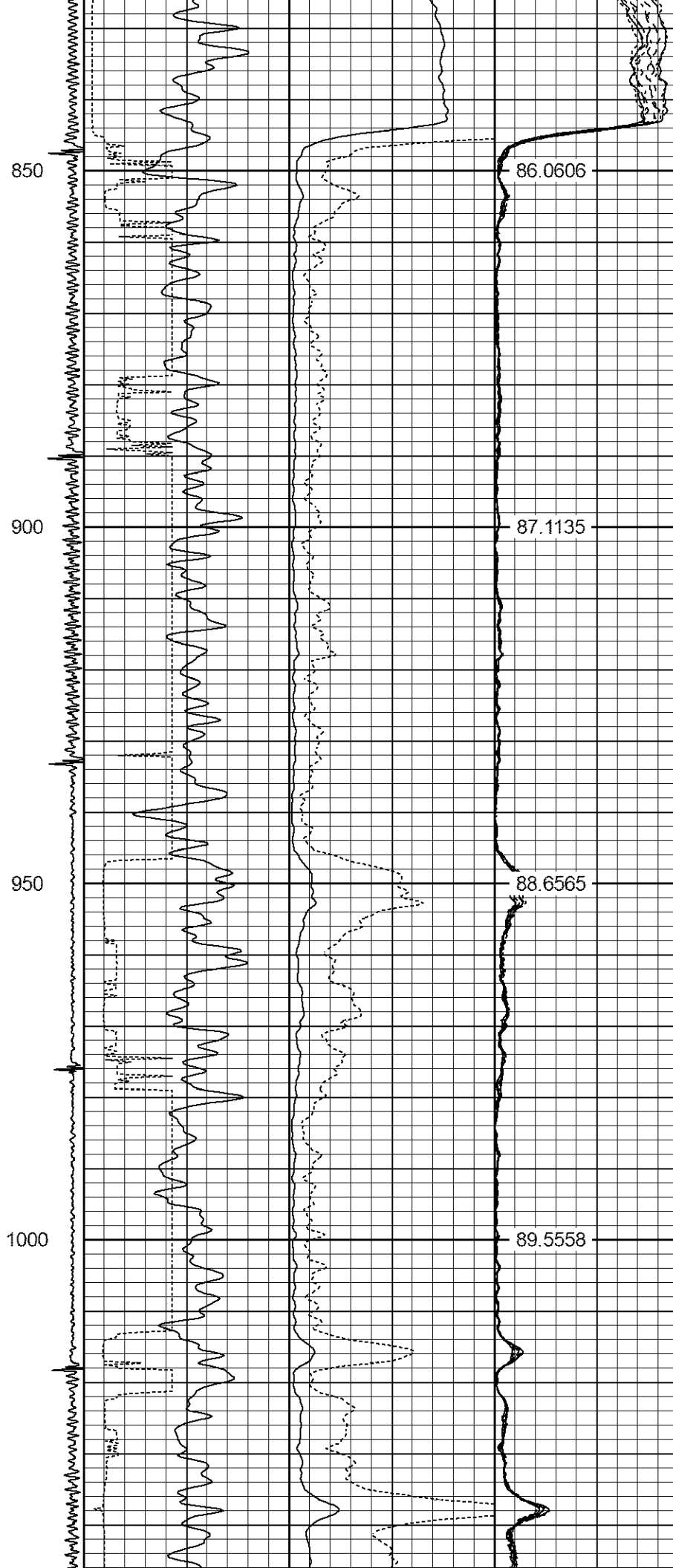
73.8081

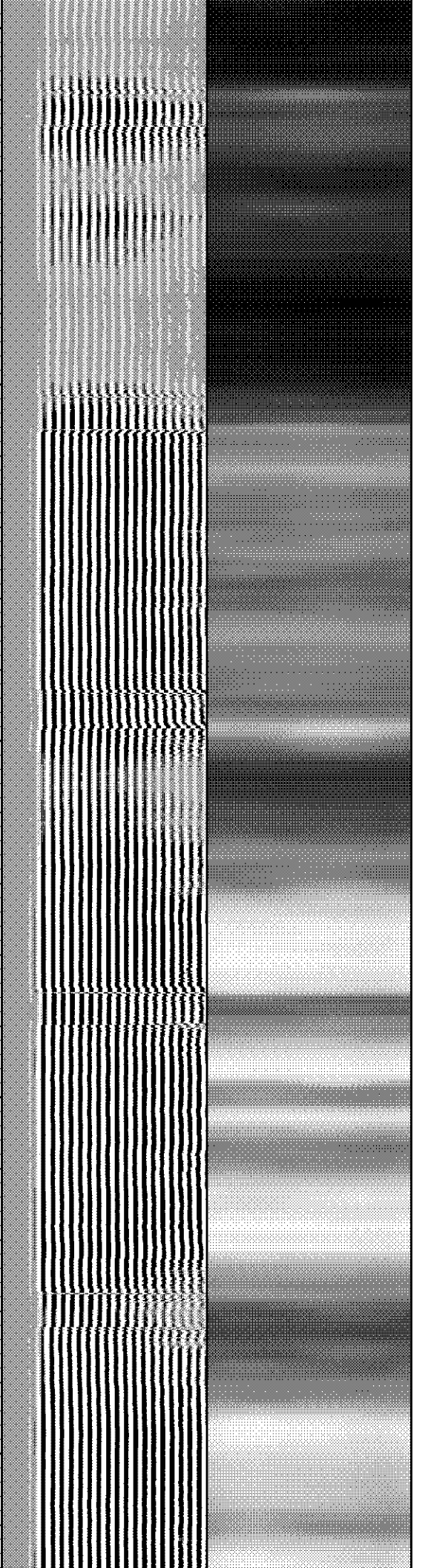
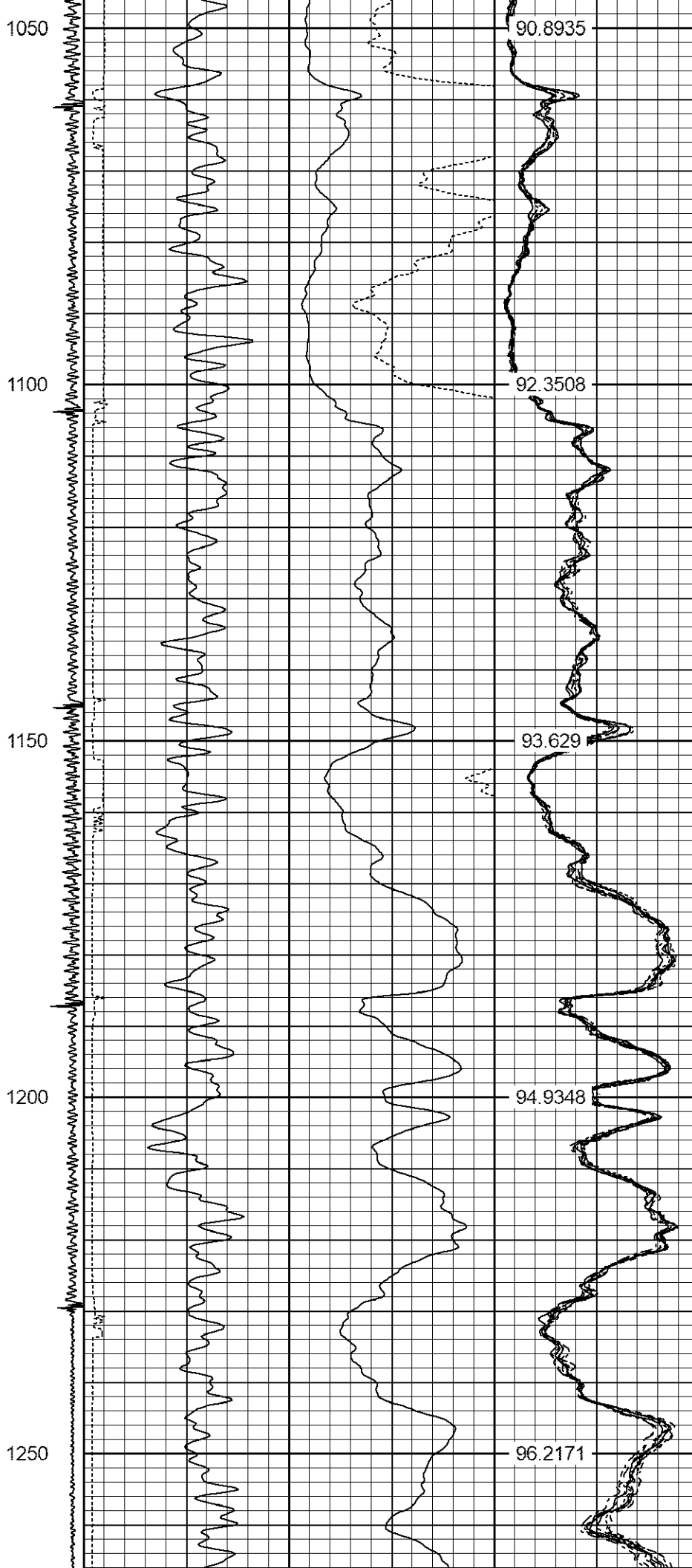
75.1207

77.0247









1300

1350

1400

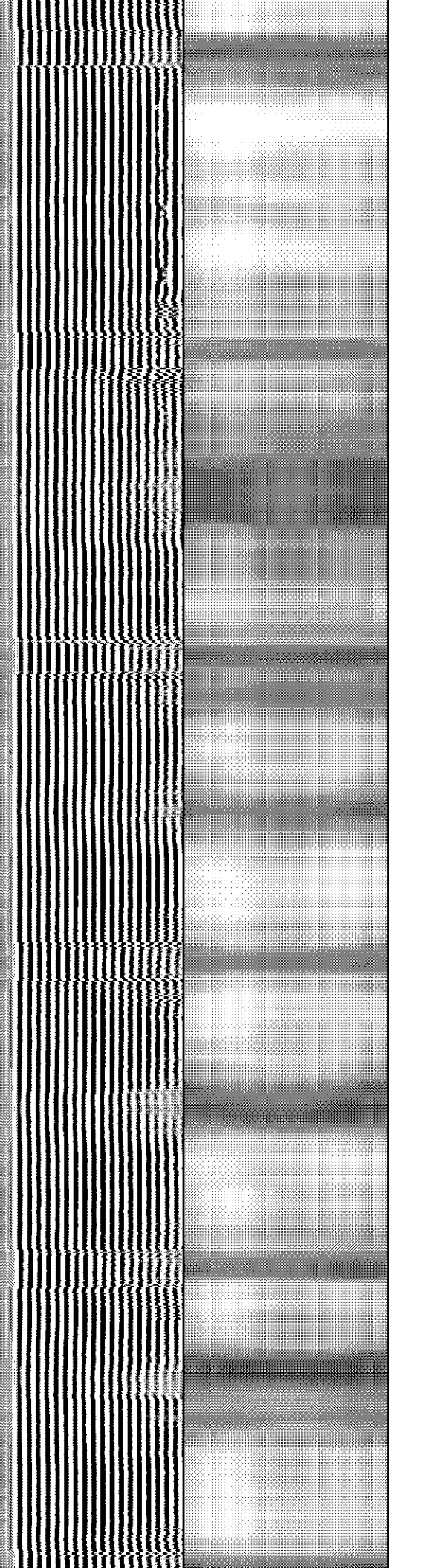
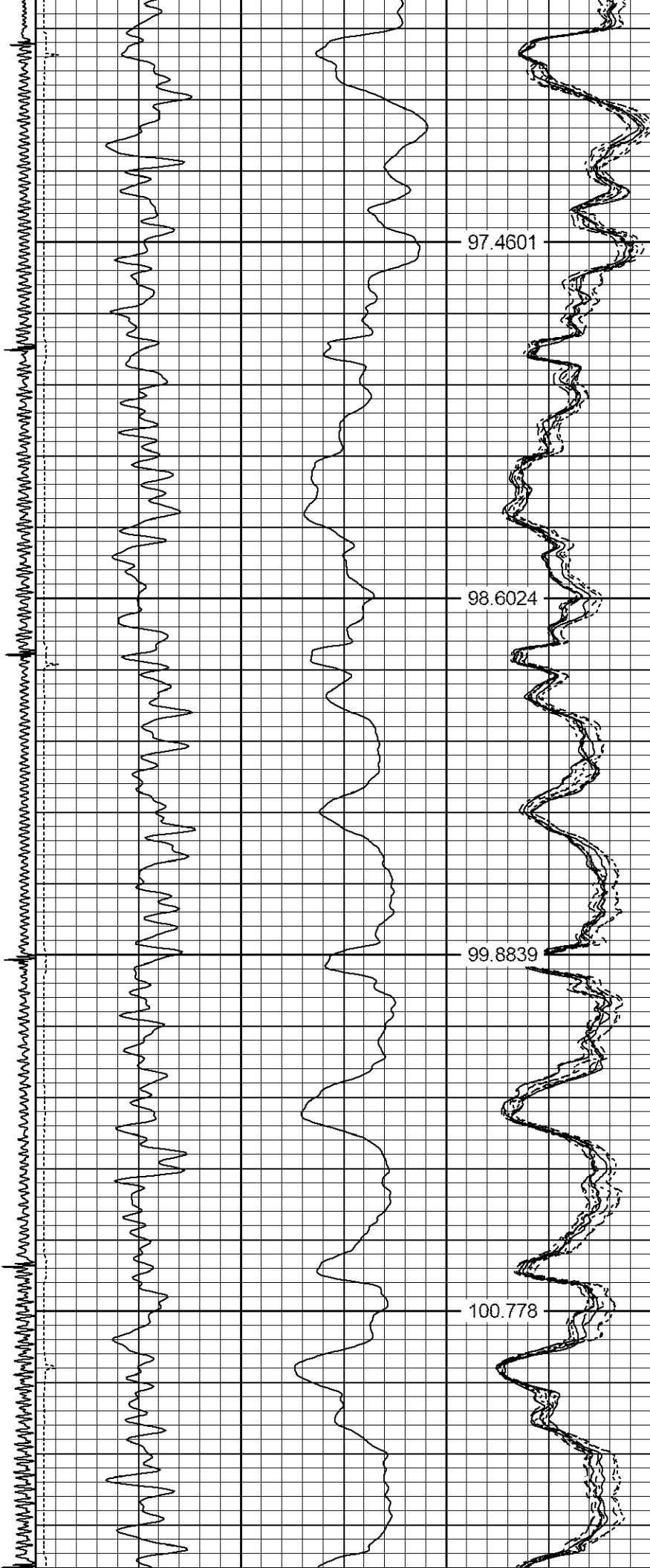
1450

97.4601

98.6024

99.8839

100.778



1500

1550

1600

1650

1700

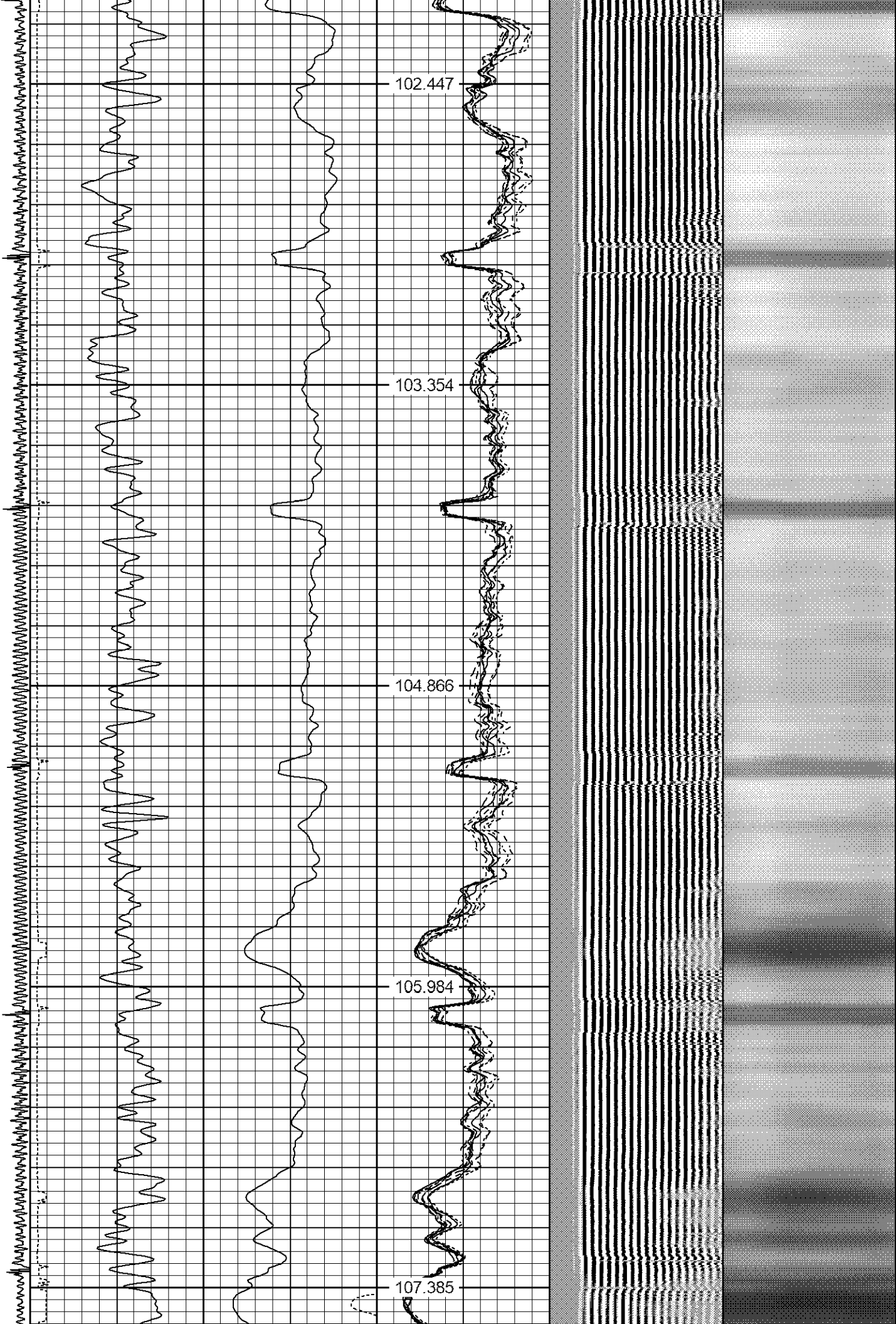
102.447

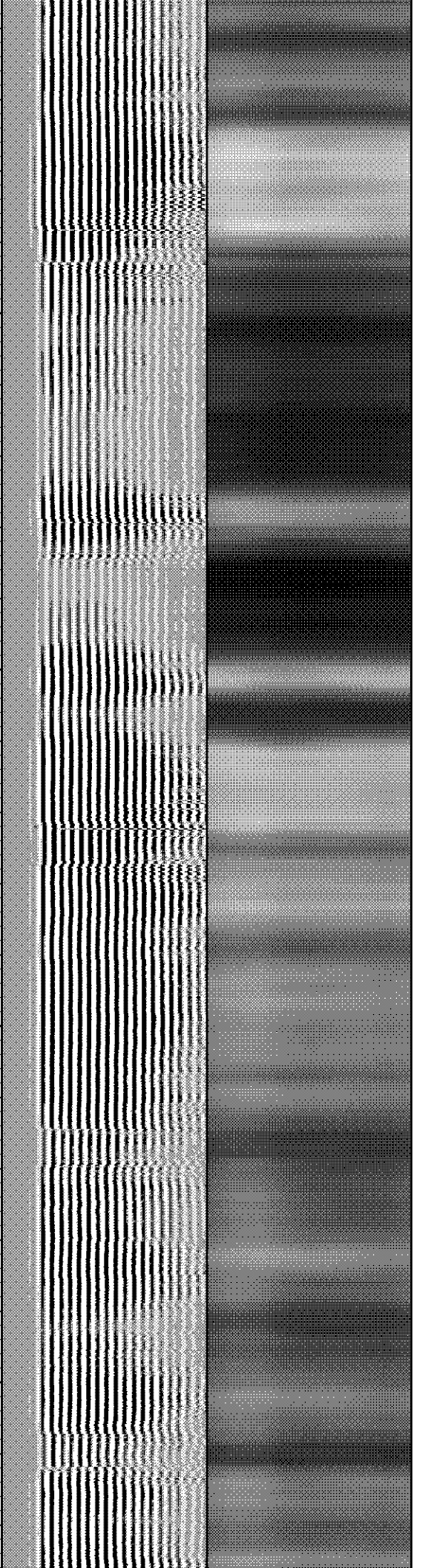
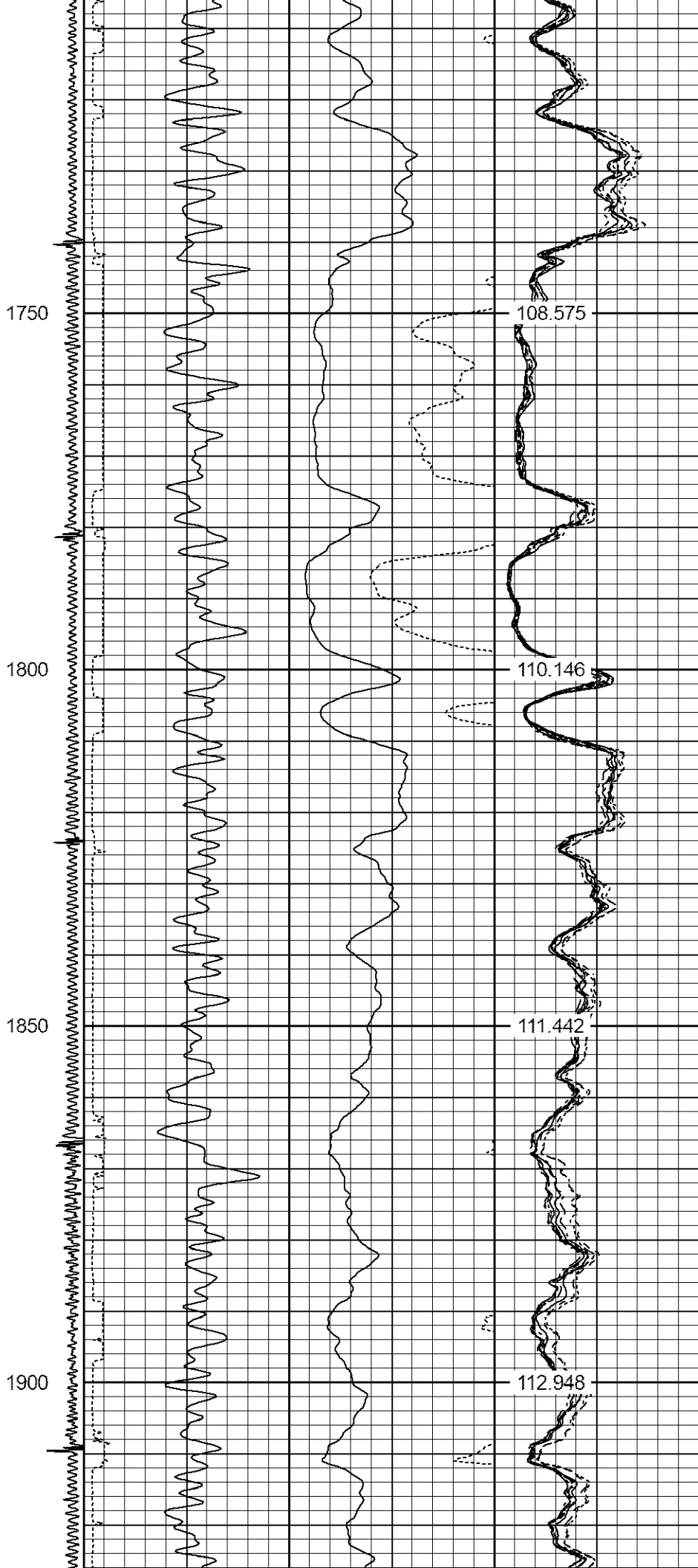
103.354

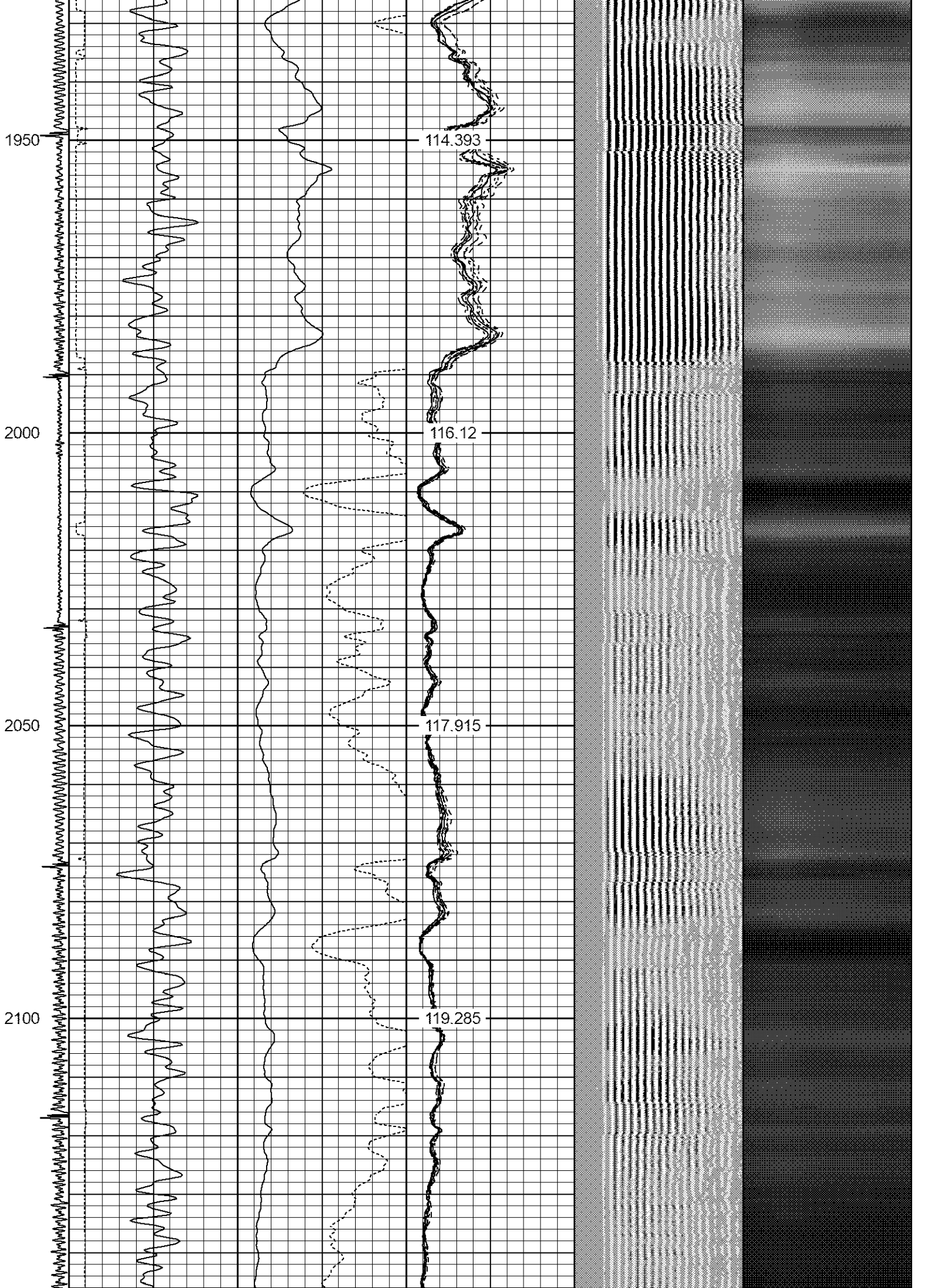
104.866

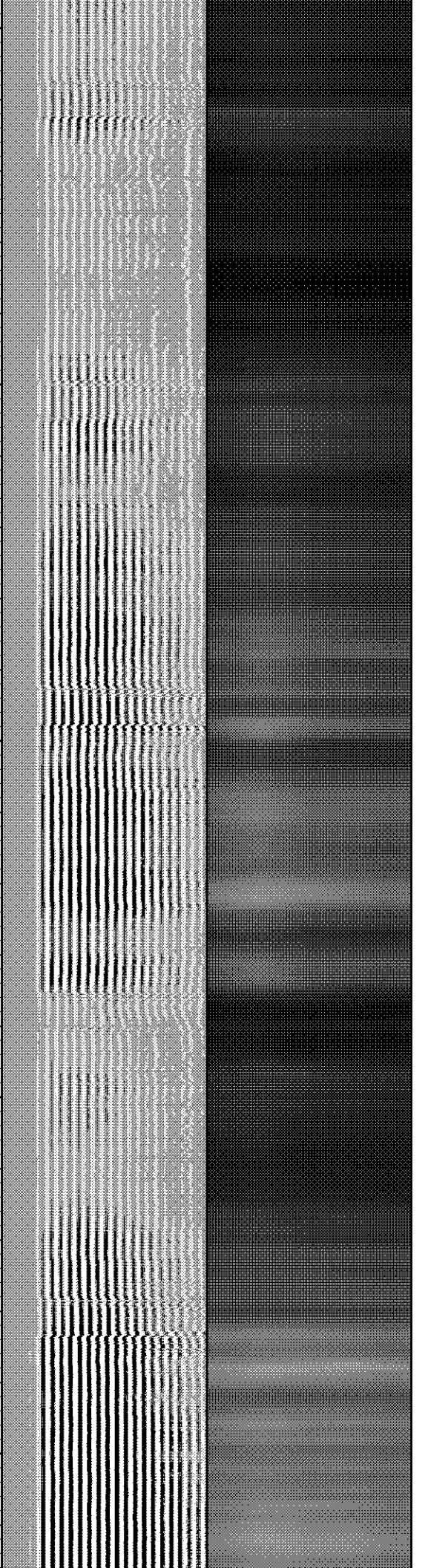
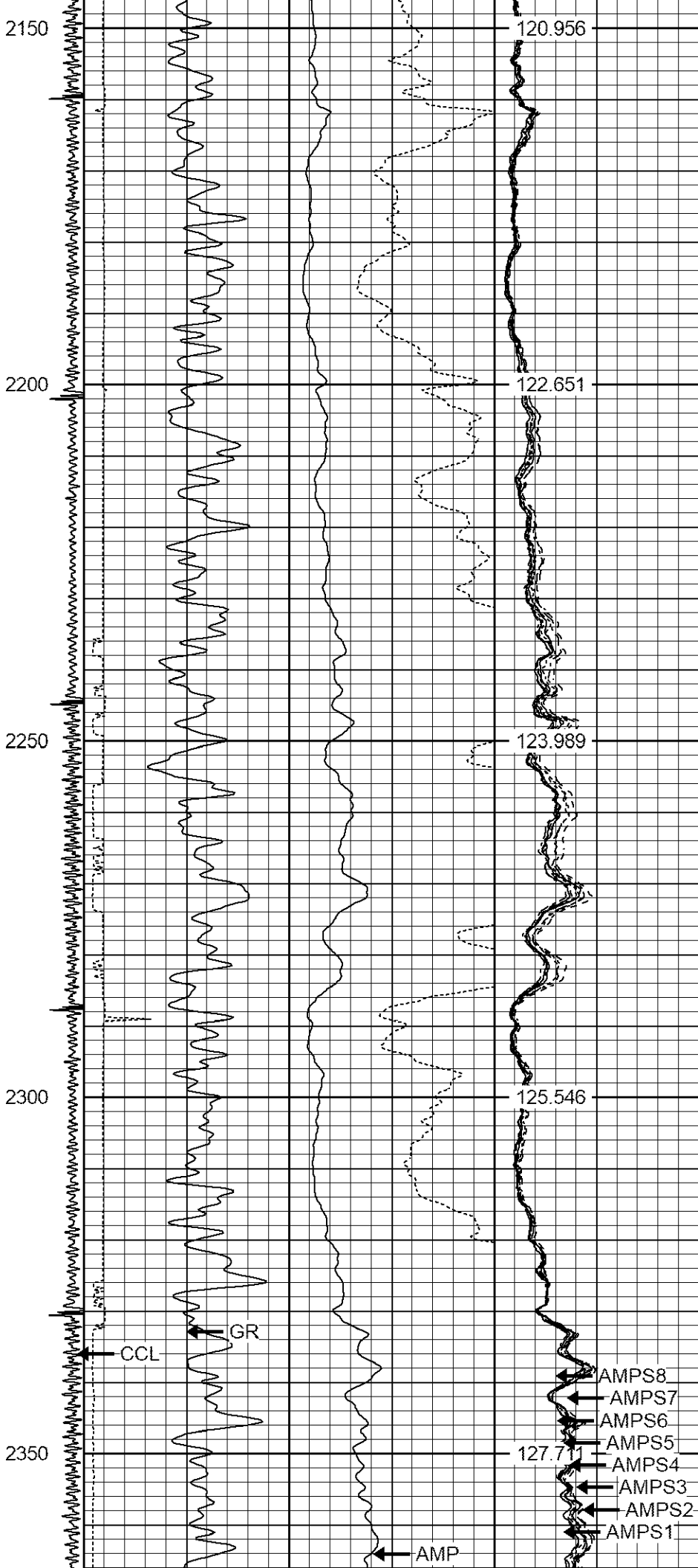
105.984

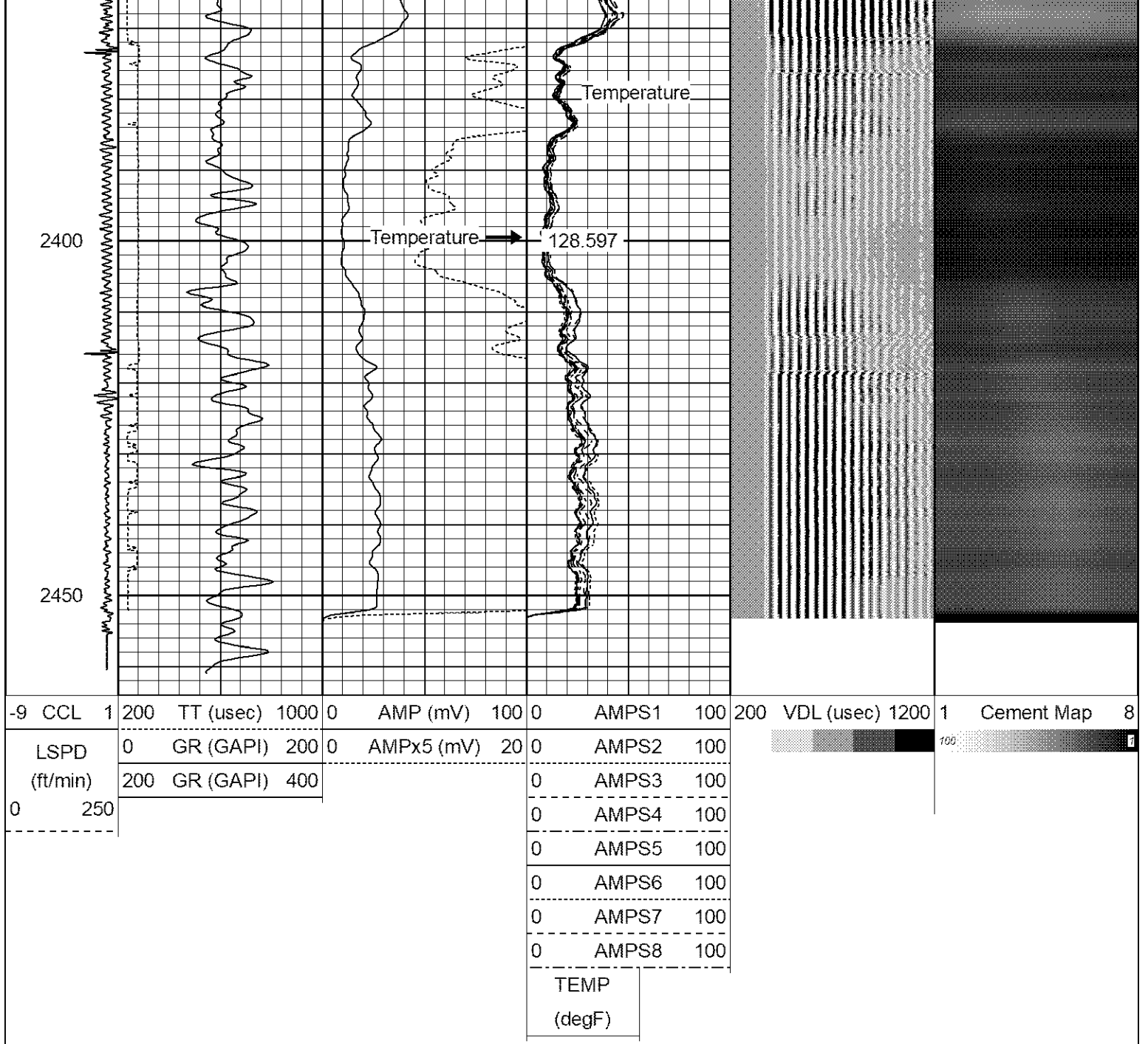
107.385











### Calibration Report

Database File      dechant d31-22d.db  
 Dataset Pathname  pass6  
 Dataset Creation   Wed Sep 22 10:05:27 2021

### Gamma Ray Calibration Report

Serial Number:           27GRL10-XXXX  
 Tool Model:             27GRL10  
 Performed:             (Not Performed)

Calibrator Value:       1.0                   GAPI

Background Reading:     0.0                   cps  
 Calibrator Reading:     1.0                   cps

Sensitivity:             1.0000               GAPI/cps

### Segmented Cement Bond Log Calibration Report

Serial Number: Greeley Ext Temp  
 Tool Model: 27SBT10  
 Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 1257.150 ft

Master Calibration, performed Wed Sep 22 09:53:15 2021:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.747	1.000	81.196	108.235	0.329
CAL	0.920	1.004				
5'	0.008	0.581	1.000	81.196	140.084	-0.151
SUM						
S1	0.006	0.789	0.000	81.196	103.762	-0.673
S2	0.007	0.798	0.000	81.196	102.694	-0.752
S3	0.006	0.773	0.000	81.196	105.956	-0.666
S4	0.007	0.740	0.000	81.196	110.801	-0.814
S5	0.007	0.700	0.000	81.196	117.209	-0.863
S6	0.007	0.698	0.000	81.196	117.393	-0.800
S7	0.007	0.723	0.000	81.196	113.458	-0.823
S8	0.007	0.766	0.000	81.196	107.042	-0.798

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.920	1.004	1.000	0.000

Air Zero Calibration, performed Thu Sep 16 07:24:45 2021:

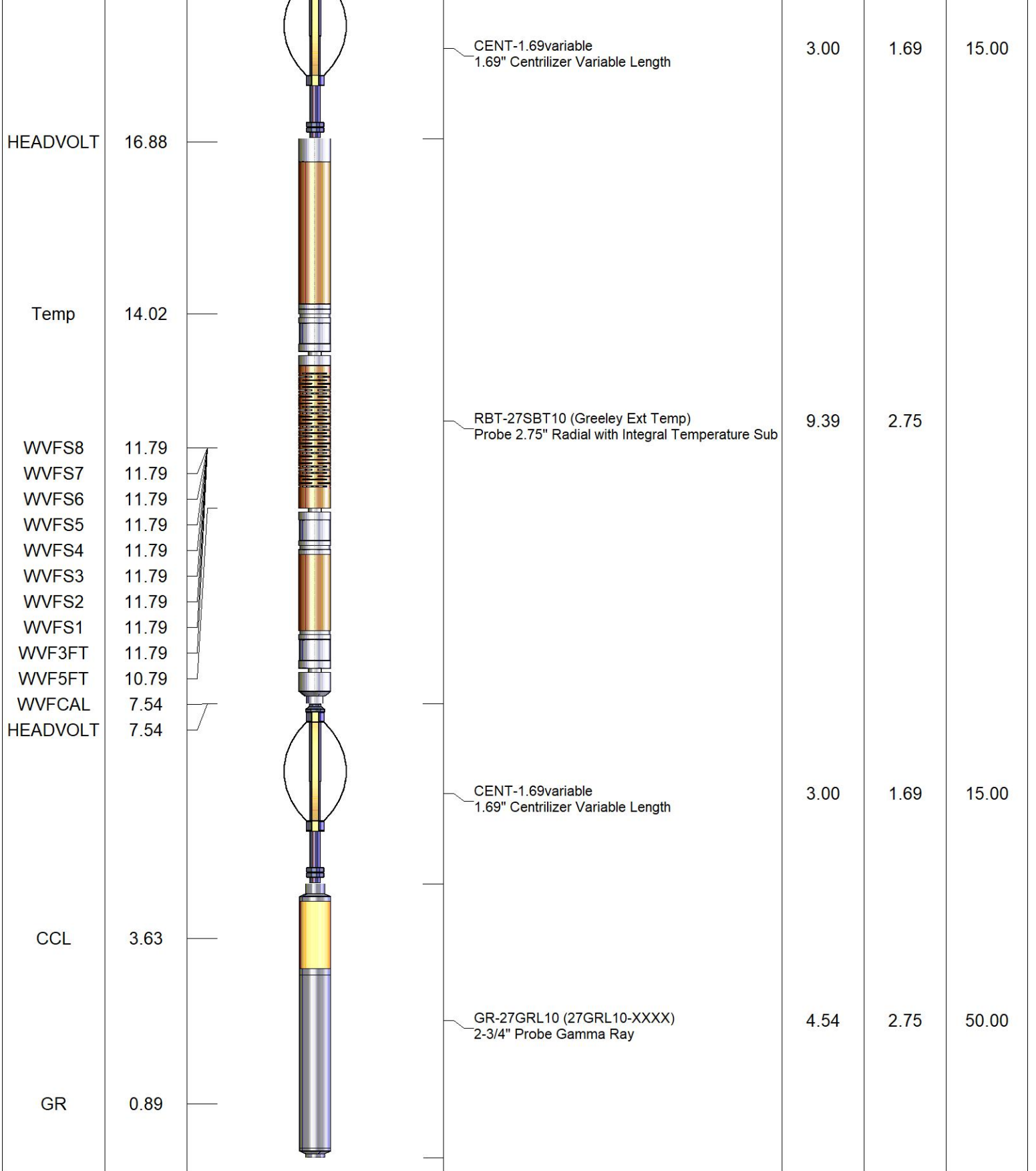
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000			0.000
5'	0.000		0.000			0.000
SUM						
S1	0.000		0.000			0.000
S2	0.000		0.000			0.000
S3	0.000		0.000			0.000
S4	0.000		0.000			0.000
S5	0.000		0.000			0.000
S6	0.000		0.000			0.000
S7	0.000		0.000			0.000
S8	0.000		0.000			0.000



**Well Services**  
 E - L I N E

Company NOBLE  
 Well DECHANT D31-22D  
 Field WATTENBERG  
 County WELD  
 State CO  
 Country USA

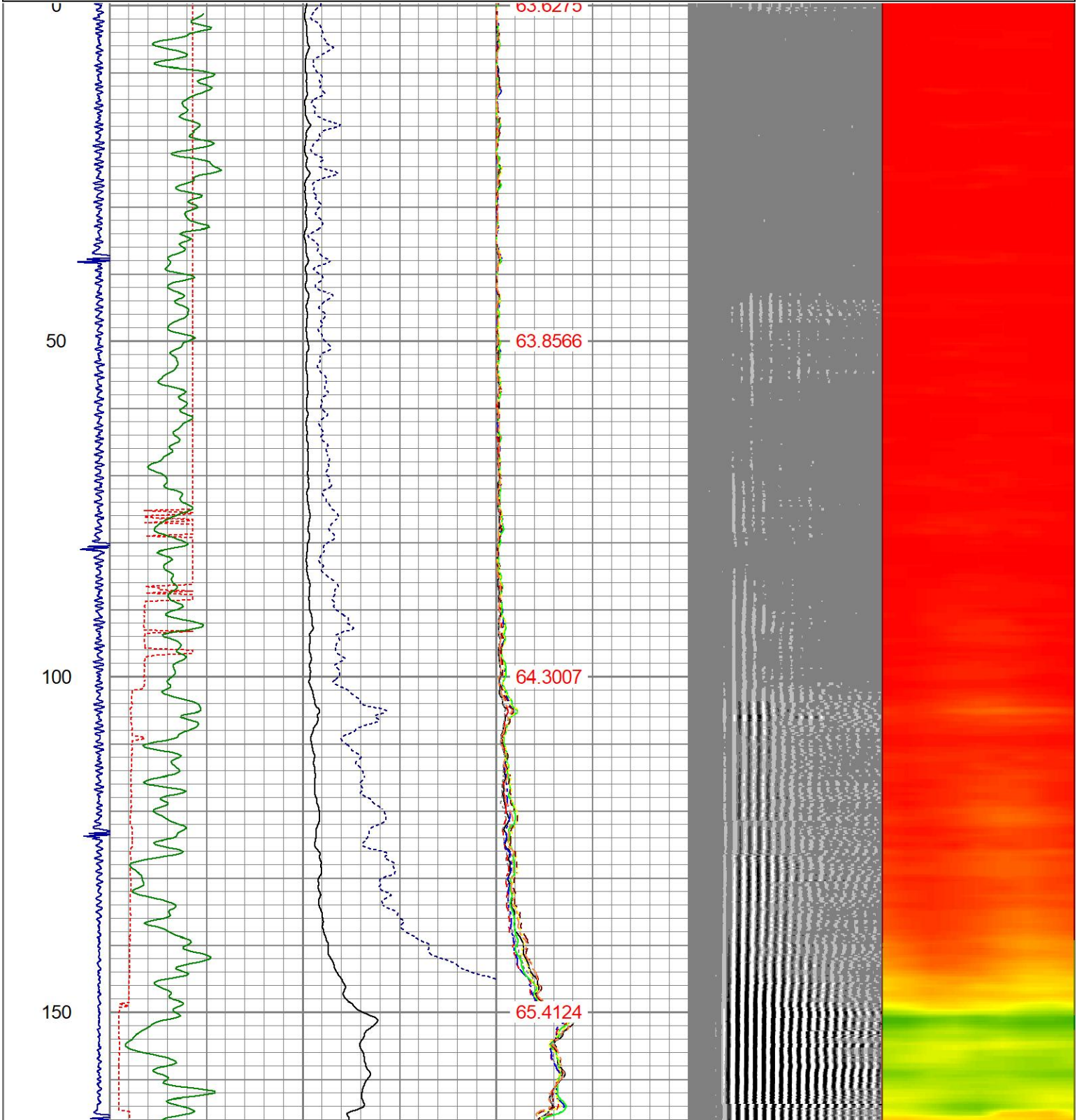


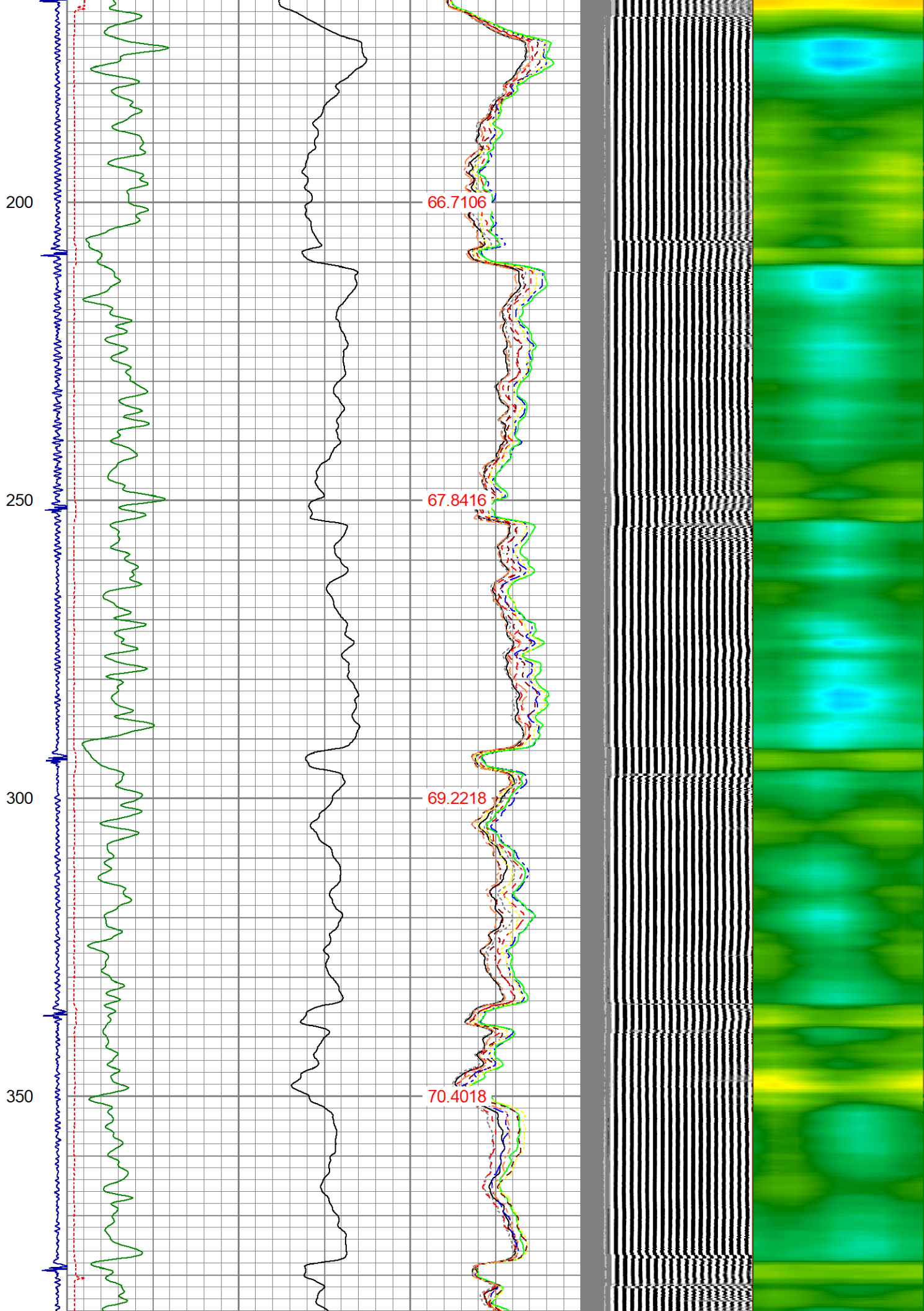


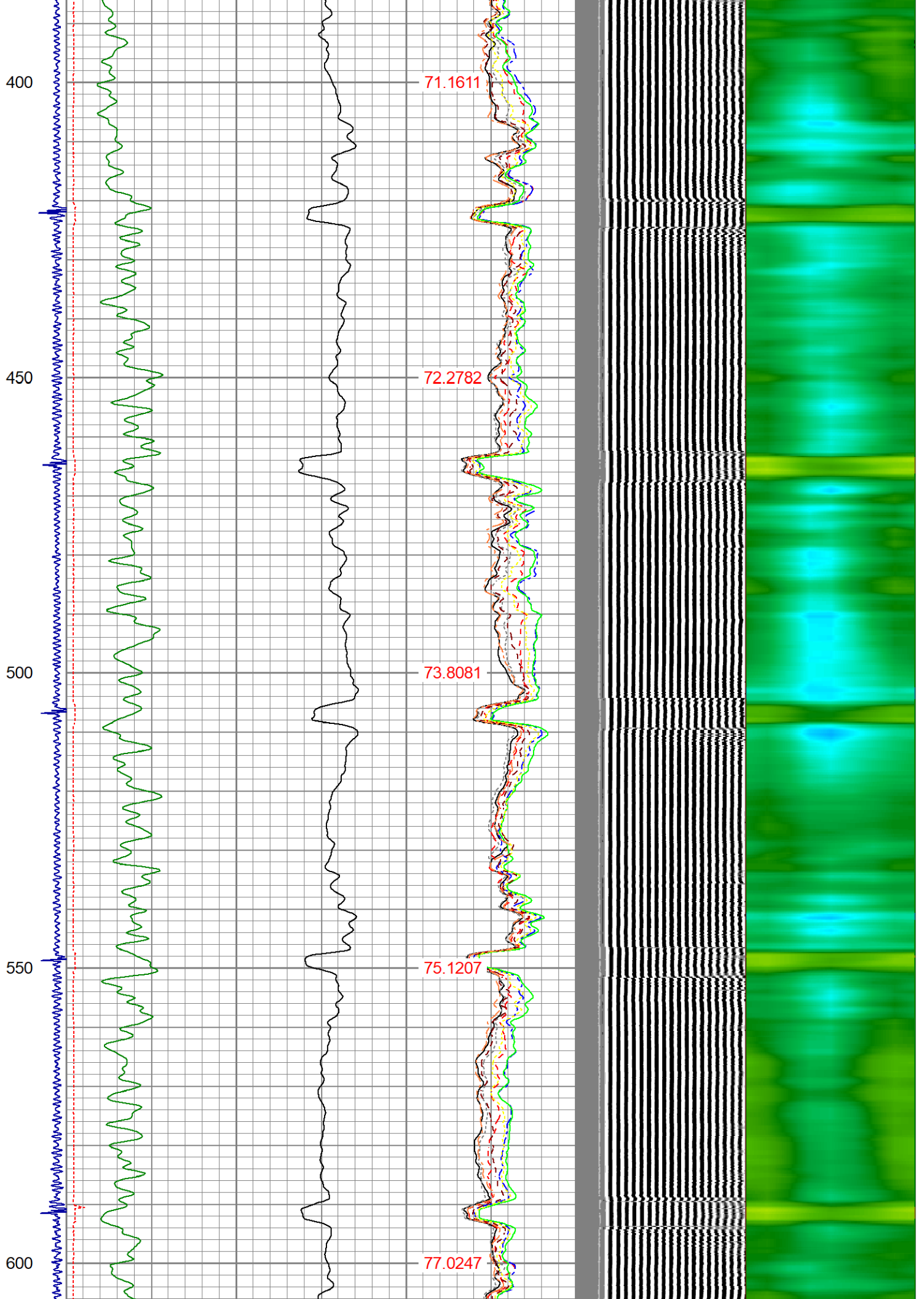
Dataset: dechant d31-22d.db: field/well/run1/pass6  
 Total length: 20.93 ft  
 Total weight: 85.00 lb  
 O.D.: 2.75 in

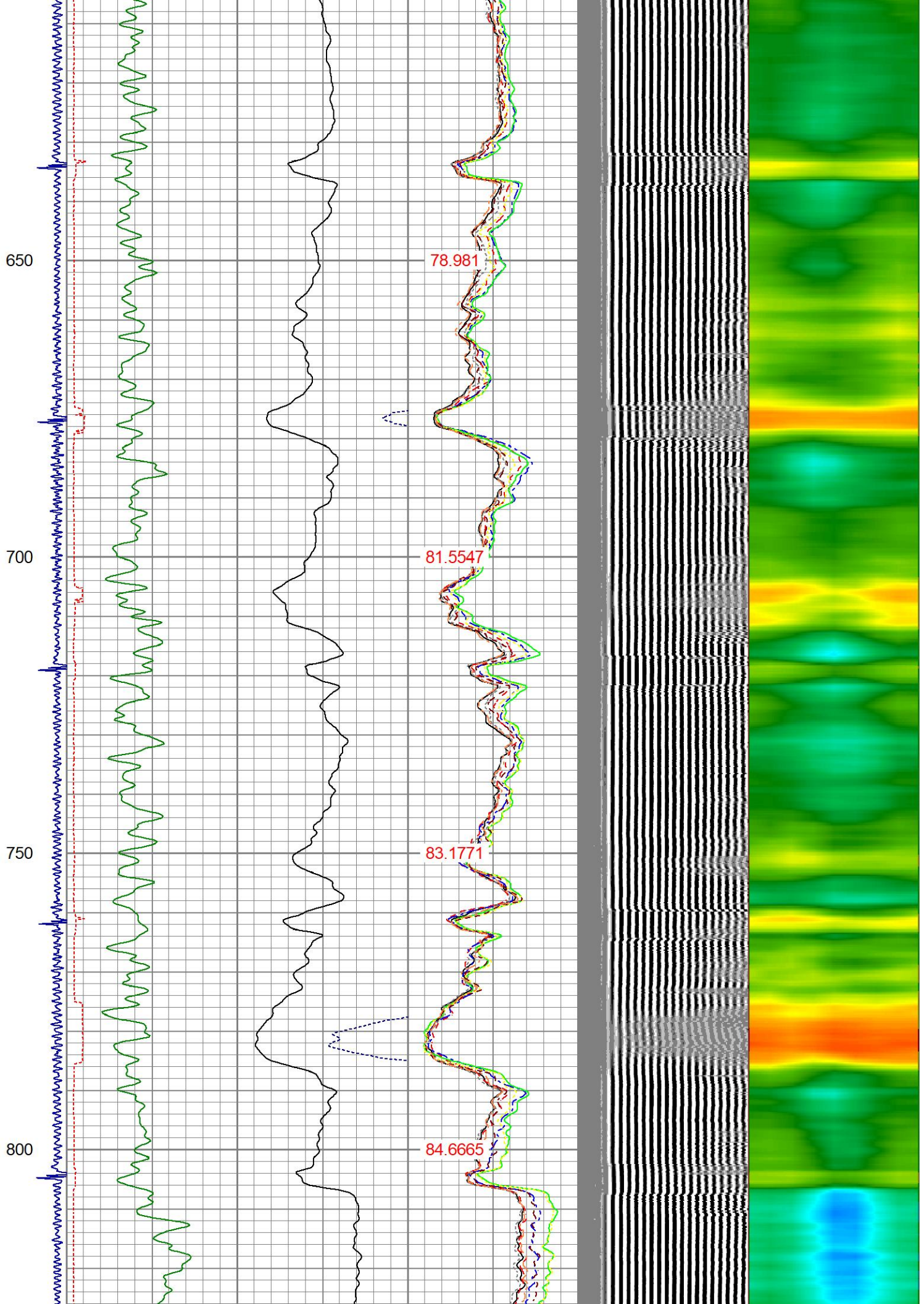
Database File dechant d31-22d.db  
 Dataset Pathname pass6  
 Presentation Format ips\_rbtcolor  
 Dataset Creation Wed Sep 22 10:05:27 2021  
 Charted by Depth in Foot scaled 1:240

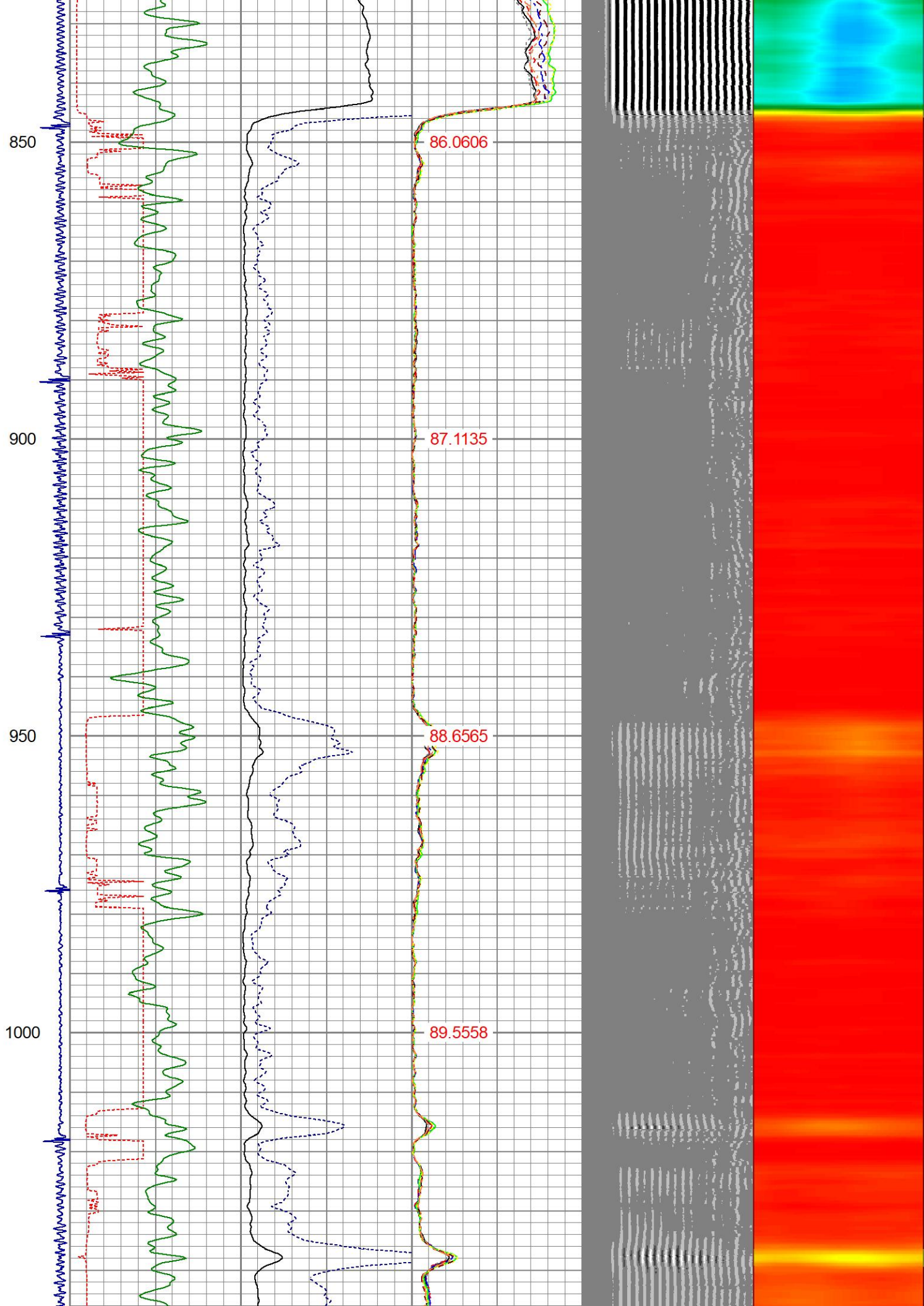
-9	CCL	1	200	TT (usec)	1000	0	AMP (mV)	100	0	AMPS1	100	200	VDL (usec)	1200	1	Cement Map	8
LSPD	0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100								
(ft/min)	200	GR (GAPI)	400	0	AMPS3	100											
0	250	0	AMPS4	100													
		0	AMPS5	100													
		0	AMPS6	100													
		0	AMPS7	100													
		0	AMPS8	100													
			TEMP	(degF)													

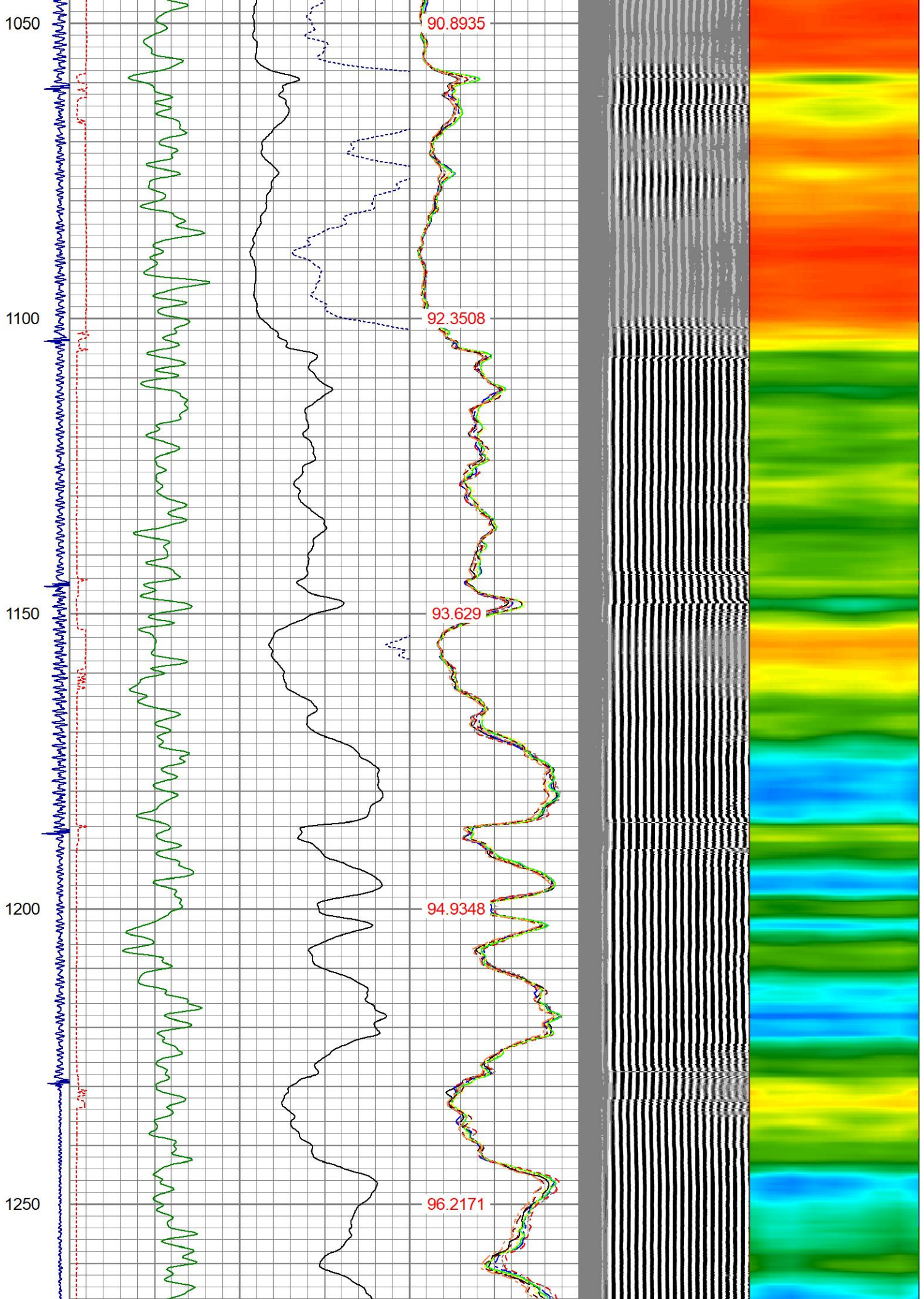


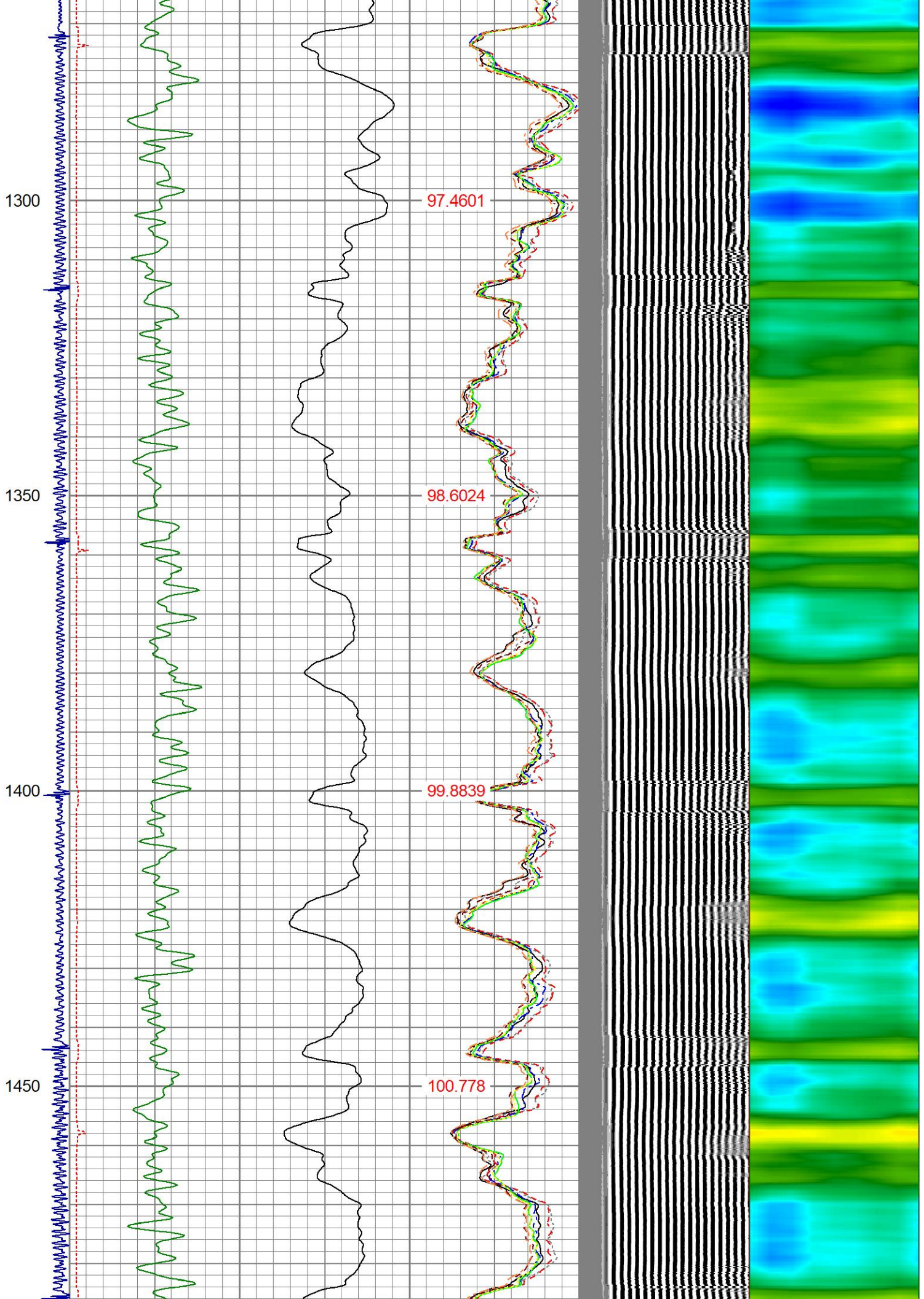


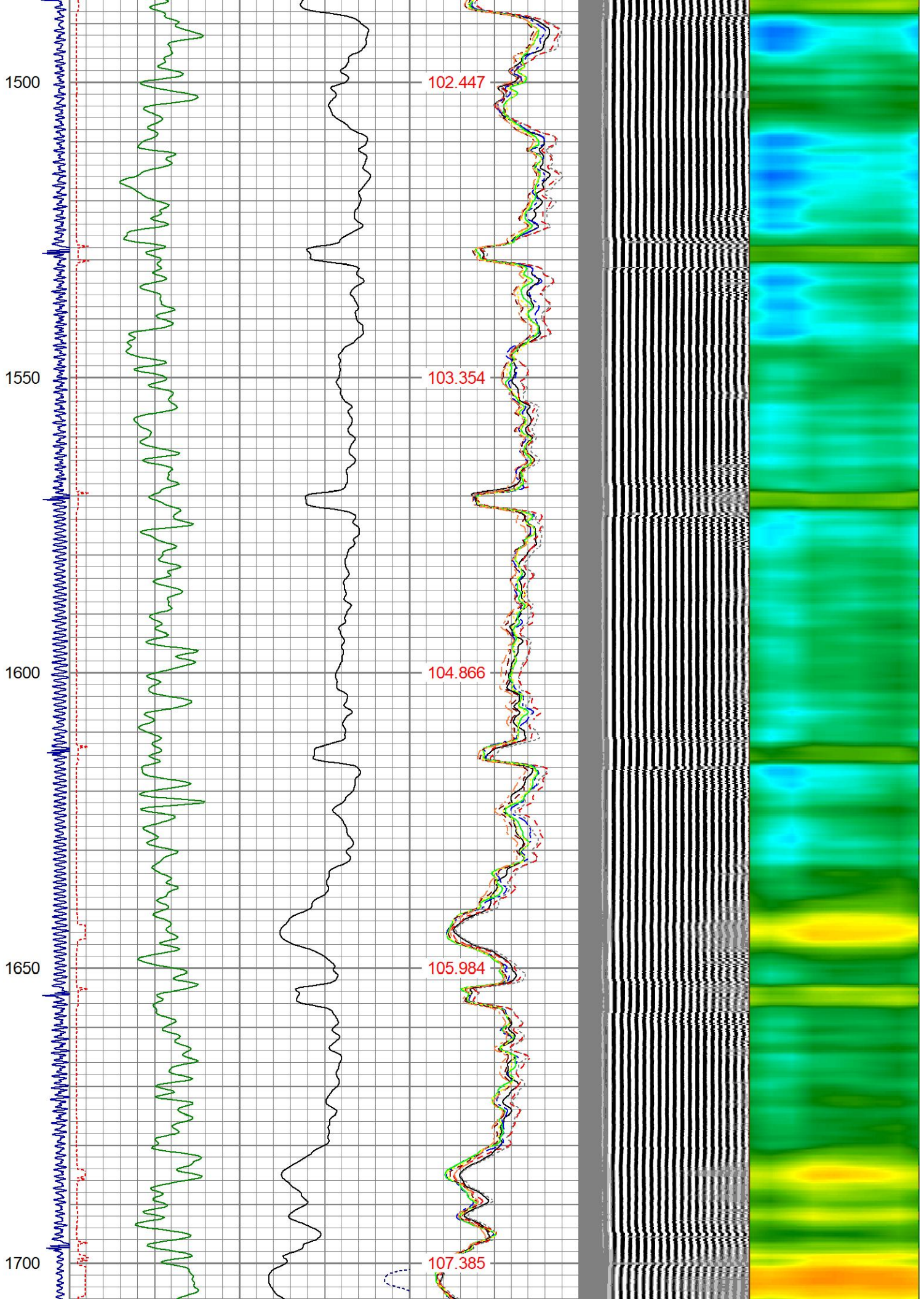


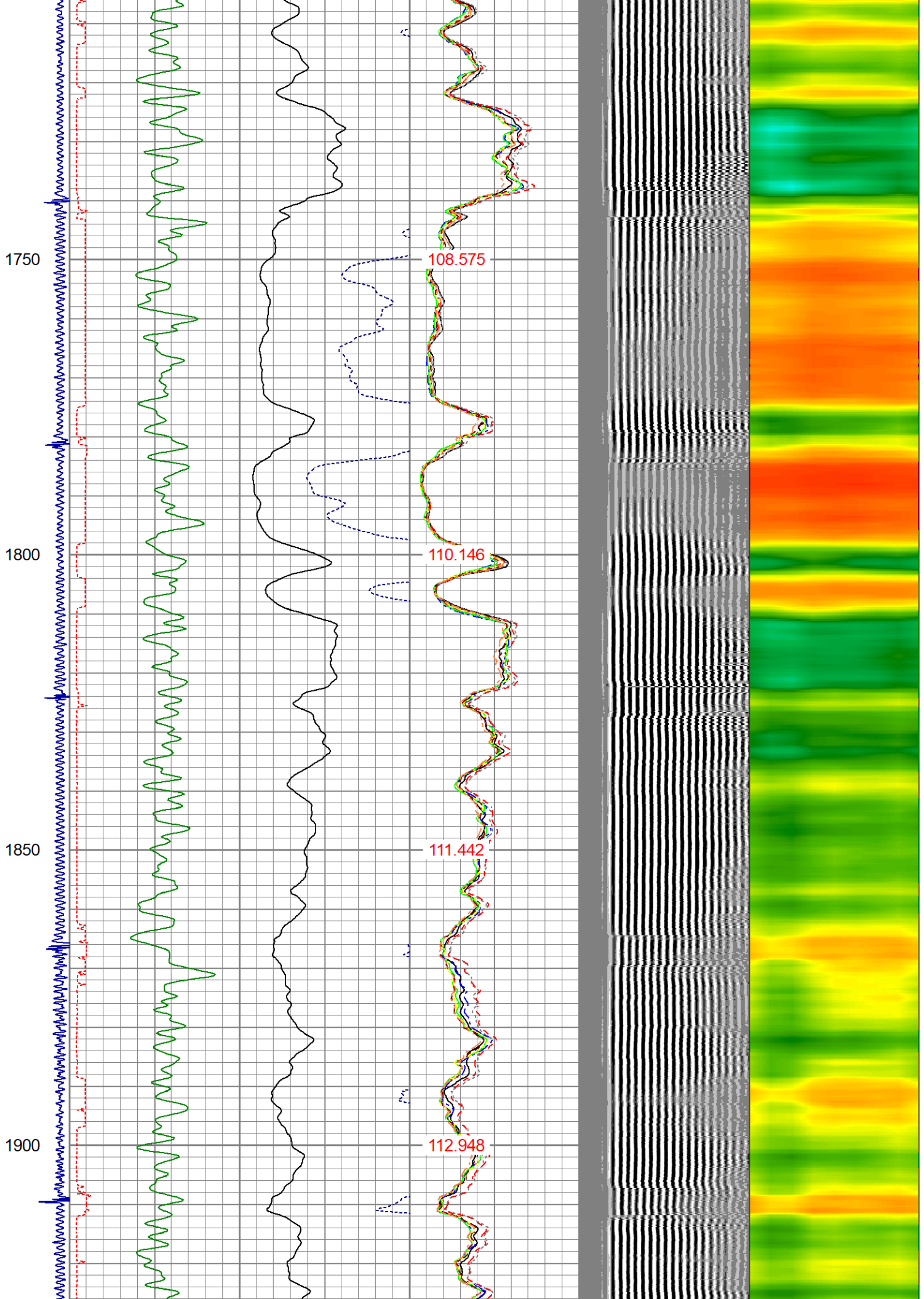


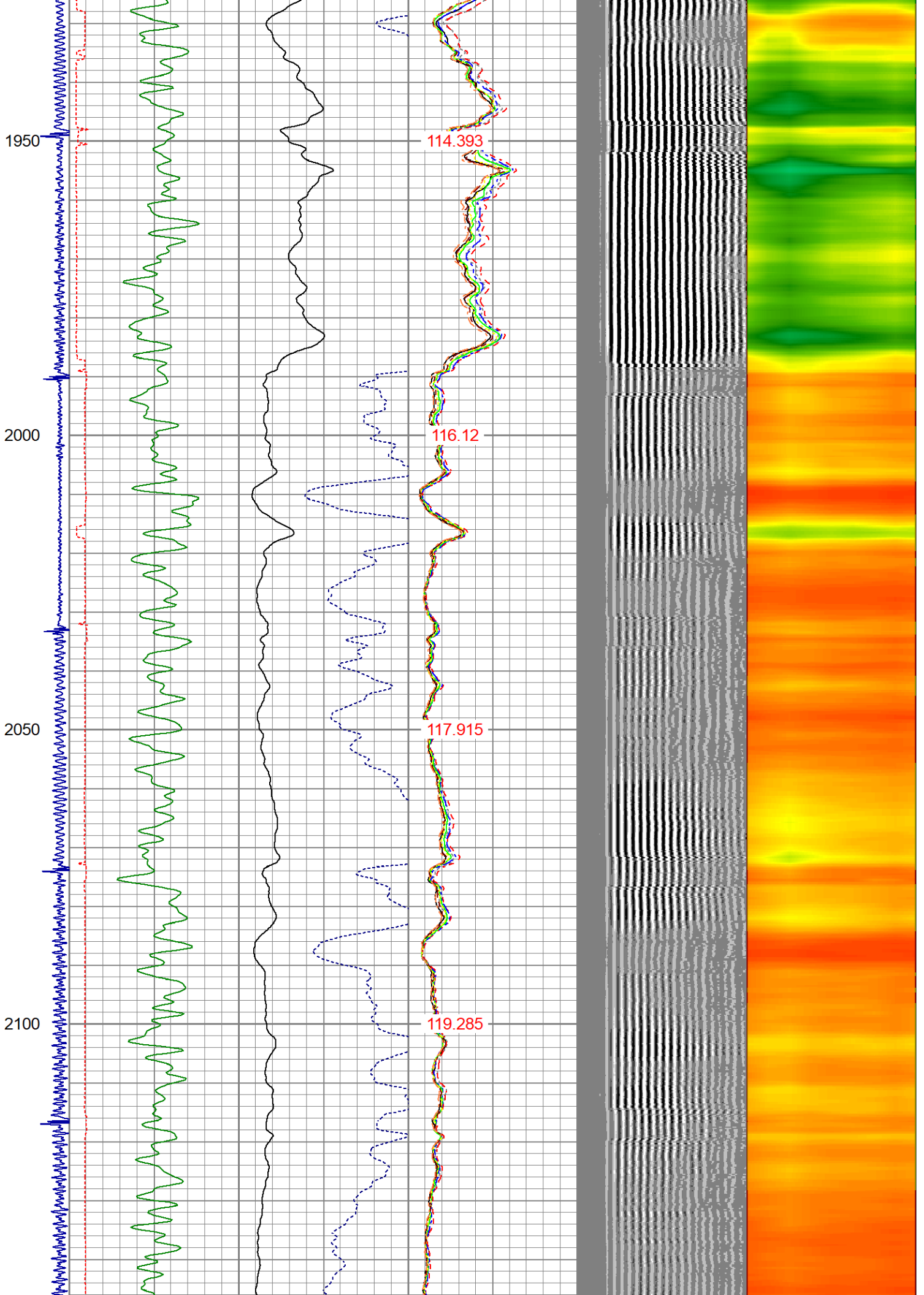


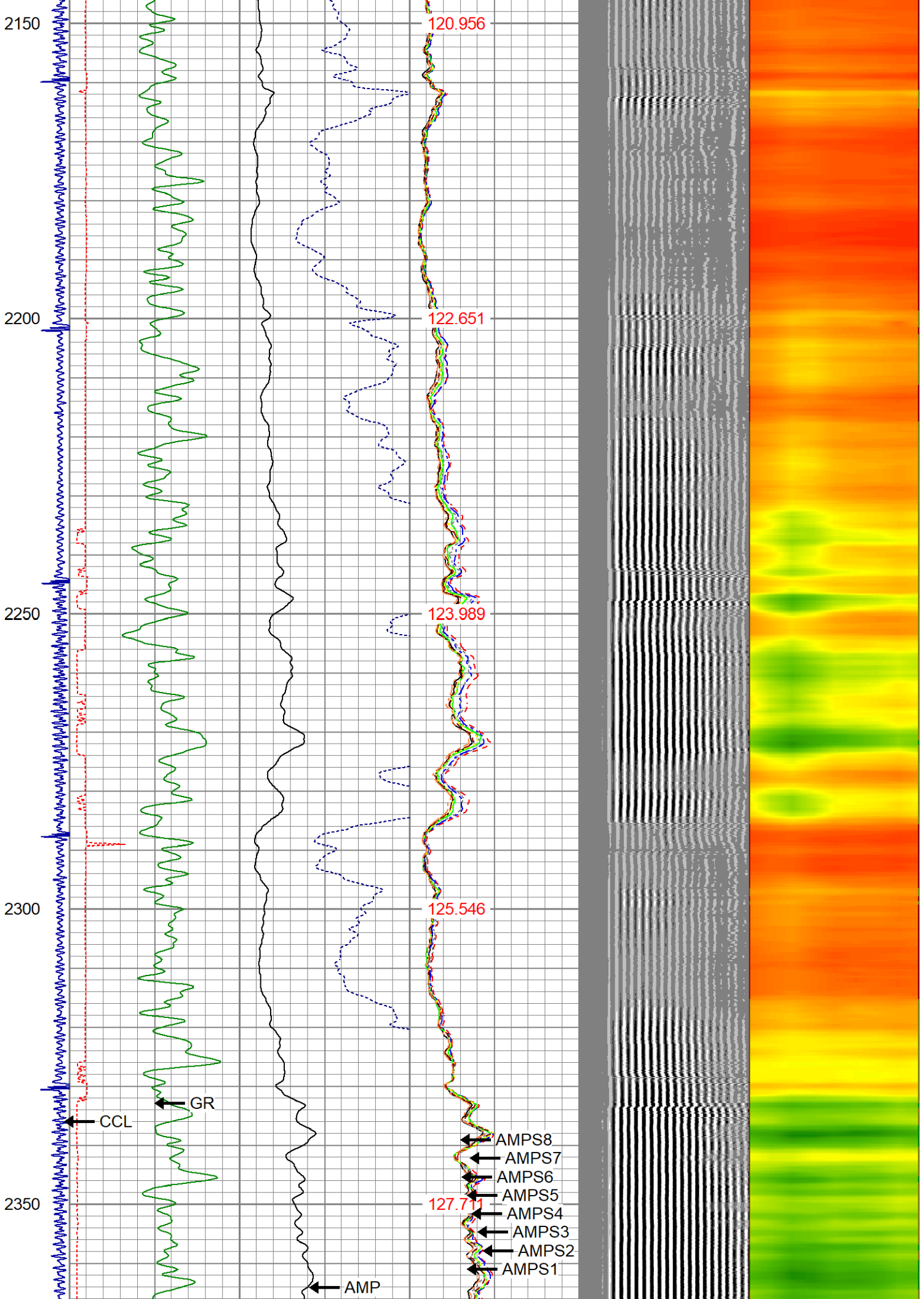


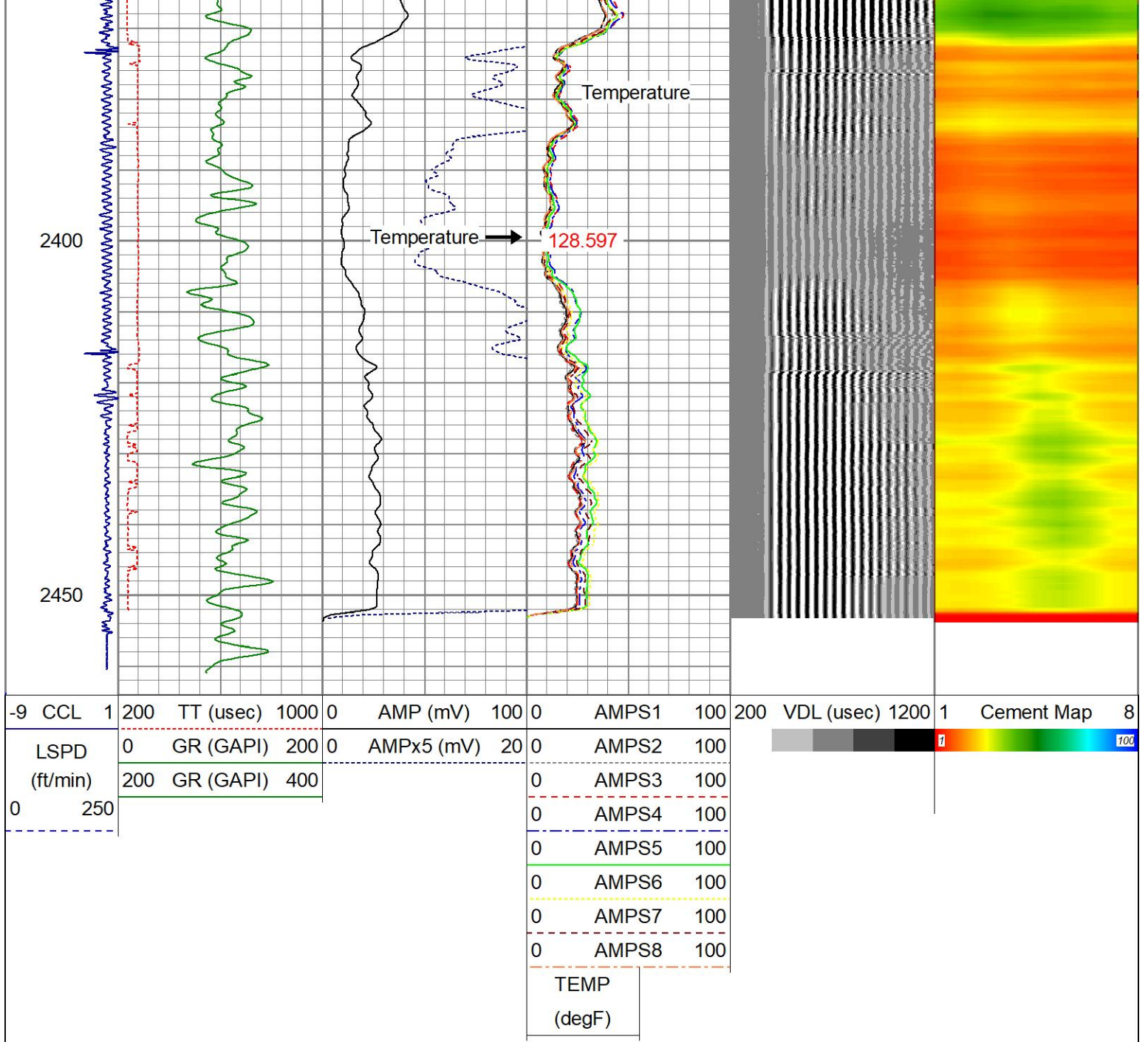












### Calibration Report

Database File dechant d31-22d.db  
 Dataset Pathname pass6  
 Dataset Creation Wed Sep 22 10:05:27 2021

### Gamma Ray Calibration Report

Serial Number: 27GRL10-XXXX  
 Tool Model: 27GRL10  
 Performed: (Not Performed)

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 GAPI/cps

### Segmented Cement Bond Log Calibration Report

Serial Number: Greeley Ext 1 emp  
 Tool Model: 27SBT10

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 1257.150 ft

Master Calibration, performed Wed Sep 22 09:53:15 2021:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.747	1.000	81.196	108.235	0.329
CAL	0.920	1.004				
5'	0.008	0.581	1.000	81.196	140.084	-0.151
SUM						
S1	0.006	0.789	0.000	81.196	103.762	-0.673
S2	0.007	0.798	0.000	81.196	102.694	-0.752
S3	0.006	0.773	0.000	81.196	105.956	-0.666
S4	0.007	0.740	0.000	81.196	110.801	-0.814
S5	0.007	0.700	0.000	81.196	117.209	-0.863
S6	0.007	0.698	0.000	81.196	117.393	-0.800
S7	0.007	0.723	0.000	81.196	113.458	-0.823
S8	0.007	0.766	0.000	81.196	107.042	-0.798

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.920	1.004	1.000	0.000

Air Zero Calibration, performed Thu Sep 16 07:24:45 2021:

	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



**Well Services**  
 E - LINE

Company NOBLE  
 Well DECHANT D31-22D  
 Field WATTENBERG  
 County WELD  
 State CO  
 Country USA





# Well Services

E-LINE

## JOB DATA SHEET

Company	<u>Noble Energy</u>	Well Name and No.	<u>DECHANT D31-22D</u>	Engineer	<u>Cody Jensen</u>
County	<u>Weld</u>	Date	<u>9/22/2021</u>	Ticket No.	<u>7770-1709</u>
District	<u>Greeley Co 0928-120</u>	Line Size	<u>0</u>	Line Length	<u>0</u>
Job Time:	<u>9:00 AM</u>	Shop Time:	<u>7:00 AM</u>	Leave Shop:	<u>8:00 AM</u>
Field Hrs.	<u>1:25:00</u>	Standby Hours:	<u>0:00:00</u>	Total Hours	<u>2:35:00</u>
Trip Miles	<u>25</u>	Leave Location:	<u>10:50 AM</u>	Arrive Shop:	<u>11:30 AM</u>
				Arrive Location:	<u>8:30 AM</u>
				Travel Time Hrs.	<u>1:10:00</u>

3 5

**Notice: Engineer to monitor for stray voltage prior to rig up:** Wellhead volts: 0 Rig volts: 0

Were there any equipment or down hole failures? Yes  No  If yes explain on Quality Control Analysis Form

Were there any hot shots required? Yes  No  If yes explain on Quality Control Analysis Form

Were there any personnel problems? Yes  No  If yes explain on Quality Control Analysis Form

Were there any accidents? Yes  No  If yes explain on Quality Control Analysis Form

Were there any near misses? Yes  No  If yes explain on Quality Control Analysis Form

### Well Information

Casing Size 4.5" 11.6# Liner Size \_\_\_\_\_ Tubing Size \_\_\_\_\_ Drill Pipe Size \_\_\_\_\_

Drill Collar \_\_\_\_\_ Minimum I.D. \_\_\_\_\_ Fluid Level \_\_\_\_\_ 0 Deviation \_\_\_\_\_

Max. Temp. \_\_\_\_\_ Max. Pressure \_\_\_\_\_

### Run Data

#### RUN INFORMATION

#### REMARKS SECTION DESCRIBE RUN DETAILS IN FULL

1 Time in	<u>9:30 AM</u>	Out	<u>10:30 AM</u>	RIH WITH CBL LOGGING TOOL
From	<u>SURFACE</u>	To	<u>2470'</u>	LOG FROM 2470' TO SURFACE
Service	<u>CBL LOG</u>			POOH
2 Time in	_____	Out	_____	_____
From	<u>0</u>	To	_____	_____
Service	<u>0</u>			_____
3 Time in	_____	Out	_____	_____
From	<u>0</u>	To	_____	_____
Service	<u>0</u>			_____
4 Time in	_____	Out	_____	_____
From	<u>0</u>	To	_____	_____
Service	<u>0</u>			_____
5 Time in	_____	Out	_____	_____
From	<u>0</u>	To	_____	_____
Service	<u>0</u>			_____
6 Time in	_____	Out	_____	_____
From	<u>0</u>	To	_____	_____
Service	<u>0</u>			_____
7 Time in	_____	Out	_____	_____
From	_____	To	_____	_____
Service	_____			_____
8 Time in	_____	Out	_____	_____
From	_____	To	_____	_____
Service	_____			_____

2500

# J00708865



**Well Services**  
E-LINE

## Field Ticket

P.O. BOX 201934  
DALLAS, TX. 75320-1934  
24 Hour Phone (432) 561-8200

N96-68008

Date  
October 11, 2021

Company Name <b>NOBLE Energy</b>		Well Name and Number <b>DECHANT D31-22D</b>		Field Ticket Number <b>3813-0964</b>
Address <b>2116 117th Ave</b>		Well API # <b>06-123-32838</b>	District <b>Greeley CO 0928-120</b>	Engineer <b>J. KERR</b>
City/State/Zip Code <b>Greeley, CO 80634</b>		Latitude <b>40.178810</b>	Wellbore Unit Number <b>3813</b>	Supervisor/Engineer
County/Parish <b>WELD</b>	Field <b>WATTENBERG</b>	Longitude <b>-104.587570</b>	Rig Name & Number or Crane Unit Number <b>SPN 710</b>	Equipment Operator <b>M. RAMSEY</b>
Field Engineer / Supervisor Signature <i>Joshua Kerr</i>		Equipment Operator		

RUN	RUN DATA				NSS	S	O	T	U	UNITS	CODE	DATE	DEPTHS AND DESCRIPTION	UNIT PRICE	AMOUNT
1	Job Time: 6:00	Shop Time: 7:00	Leave Shop: 7:10	Arrive Location: 7:40				X		1.0	2006-012		Chemical Cut (Standard Weight)	\$ 3,500.00	\$ 3,500.00
	Begin Rig Up: 7:45	Finish Rig Up: 8:00					X								
	Time in From Service: 9:05	Time Out To: 9:30					X								
	From SURFACE	To 595'													
	Service in CHEMICAL CUT														
2	Time in From Service	Time Out To													
3	Time in From Service	Time Out To													
4	Time in From Service	Time Out To													
5	Time in From Service	Time Out To													
6	Time in From Service	Time Out To													
7	Time in From Service	Time Out To													
8	Time in From Service	Time Out To													
9	Time in From Service	Time Out To													
10	Time in From Service	Time Out To													
11	Time in From Service	Time Out To													
12	Time in From Service	Time Out To													
13	Time in From Service	Time Out To													
14	Time in From Service	Time Out To													
<b>SUB TOTAL</b>														\$	3,500.00
<b>LESS DISCOUNT</b>															
<b>NON DISCOUNTED ITEMS</b>															
Begin Rig Down: 9:30    Finish Rig Down: 9:45 Leave Location: 9:50    Active Shop: 10:30 Operating Hrs: 0:35    Standby Hours: 0:00 Total Field Hrs: 2:05    Travel Time Hrs: 1:10 Total Trip Miles: 15    Lost Time Hrs: 0:00 Line Size: 9/32"    Line Length: 18500 Wellhead Valve: 0    Rig Valve: 0															
<b>WELL DATA</b> Casing Size: 4.5"    Liner Size: Tubing Size:    Drill pipe Size: Drill Collar Size:    Minimum L.D.: Fluid Level:    Deviation: Max. Temp:    Max. Pressure: Field Price:    Final Price:															
<b>SUB TOTAL</b>														\$	3,500.00
<b>TOTAL</b>														\$	3,500.00
P.O. Number														AFE Number <b>(425790774)</b>	

All Invoices Payable in Box 201934 Dallas, Dallas CO., TX 75320-1934.  
**TERMS: NET 30 DAYS.**  
 Concerning irrevocable loss of sealed sources, both SPN Well Services E-Line and customer agree to abide by 25 TAC § 295.253 and NRC Part 39.77.  
 The Services (as defined in the Terms) related to this Field Invoice Ticket shall be governed exclusively by the SPN Well Services Customer Agreement General Terms and Conditions (the "Terms"), which are expressly incorporated herein by reference. The Terms are available upon request and at Superior's website (<http://www.superiorenergy.com>). Acceptance of the Terms shall be by the earlier of the date of signing above or by acknowledgment as described in Section 1 of the Terms, including without limitation by beginning performance.

Customer Signature \_\_\_\_\_ Customer Printed Name \_\_\_\_\_



# Well Services

E-LINE

## JOB DATA SHEET

Company	<u>NOBLE Energy</u>	Well Name and No.	<u>DECHANT D31-22D</u>	Engineer	<u>J. KERR</u>
County	<u>WELD</u>	Date	<u>10/11/2021</u>	Ticket No.	<u>3813-0964</u>
District	<u>Greeley CO 0928-120</u>	Line Size	<u>9/32"</u>	Line Length	<u>18500</u>
Job Time:	<u>8:00 AM</u>	Shop Time:	<u>7:00 AM</u>	Leave Shop:	<u>7:10 AM</u>
Field Hrs.	<u>0:55:00</u>	Standby Hours:	<u>0:00:00</u>	Total Hours	<u>2:05:00</u>
Trip Miles	<u>15</u>	Leave Location:	<u>9:50 AM</u>	Arrive Shop:	<u>10:30 AM</u>
				Arrive Location:	<u>7:40 AM</u>
				Travel Time Hrs.	<u>1:10:00</u>

**Notice: Engineer to monitor for stray voltage prior to rig up:** Wellhead volts: 0 Rig volts: 0

Were there any equipment or down hole failures? Yes  No  If yes explain on Quality Control Analysis Form

Were there any hot shots required? Yes  No  If yes explain on Quality Control Analysis Form

Were there any personnel problems? Yes  No  If yes explain on Quality Control Analysis Form

Were there any accidents? Yes  No  If yes explain on Quality Control Analysis Form

Were there any near misses? Yes  No  If yes explain on Quality Control Analysis Form

### Well Information

Casing Size 4.5" Liner Size \_\_\_\_\_ Tubing Size \_\_\_\_\_ Drill Pipe Size \_\_\_\_\_

Drill Collar \_\_\_\_\_ Minimum I.D. \_\_\_\_\_ Fluid Level \_\_\_\_\_ 0 Deviation \_\_\_\_\_

Max. Temp. \_\_\_\_\_ Max. Pressure \_\_\_\_\_

### Run Data

#### RUN INFORMATION

#### REMARKS SECTION DESCRIBE RUN DETAILS IN FULL

1 Time in	<u>9:05 AM</u>	Out	<u>9:30 AM</u>	RIH WITH CHEMICAL CUTTER FOR 2.375" TUBING, CUT @ 595', POOH
From	<u>SURFACE</u>	To	<u>595'</u>	
Service	<u>CHEMICAL CUT</u>			
2 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
3 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
4 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
5 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
6 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
7 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			
8 Time in	<u>12:00 AM</u>	Out	<u>12:00 AM</u>	
From	<u>0</u>	To	<u>0</u>	
Service	<u>0</u>			