



**WELL COMPLETION FORM**  
**WELL HISTORY - DESCRIPTION OF WELL & LEASE**

OPERATOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Address 1: \_\_\_\_\_

Address 2: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_ + \_\_\_\_\_

Contact Person: \_\_\_\_\_

Phone: ( \_\_\_\_\_ ) \_\_\_\_\_

CONTRACTOR: License # \_\_\_\_\_

Name: \_\_\_\_\_

Wellsite Geologist: \_\_\_\_\_

Purchaser: \_\_\_\_\_

Designate Type of Completion:

- New Well       Re-Entry       Workover
- Oil       WSW       SWD       SIOW
- Gas       D&A       ENHR       SIGW
- OG       GSW       Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic       Other (Core, Expl., etc.): \_\_\_\_\_

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

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Original Comp. Date: \_\_\_\_\_ Original Total Depth: \_\_\_\_\_

- Deepening       Re-perf.       Conv. to ENHR       Conv. to SWD
- Conv. to GSW
- Plug Back: \_\_\_\_\_ Plug Back Total Depth \_\_\_\_\_
- Commingled      Permit #: \_\_\_\_\_
- Dual Completion      Permit #: \_\_\_\_\_
- SWD      Permit #: \_\_\_\_\_
- ENHR      Permit #: \_\_\_\_\_
- GSW      Permit #: \_\_\_\_\_

Spud Date or Recompletion Date	Date Reached TD	Completion Date or Recompletion Date
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API No. 15 - \_\_\_\_\_

Spot Description: \_\_\_\_\_

\_\_\_\_\_ - \_\_\_\_\_ - \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

\_\_\_\_\_ Feet from  North /  South Line of Section

\_\_\_\_\_ Feet from  East /  West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE       NW       SE       SW

County: \_\_\_\_\_

Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Field Name: \_\_\_\_\_

Producing Formation: \_\_\_\_\_

Elevation: Ground: \_\_\_\_\_ Kelly Bushing: \_\_\_\_\_

Total Depth: \_\_\_\_\_ Plug Back Total Depth: \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at: \_\_\_\_\_ Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set: \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from: \_\_\_\_\_

feet depth to: \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

**Drilling Fluid Management Plan**

(Data must be collected from the Reserve Pit)

Chloride content: \_\_\_\_\_ ppm Fluid volume: \_\_\_\_\_ bbls

Dewatering method used: \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name: \_\_\_\_\_

Lease Name: \_\_\_\_\_ License #: \_\_\_\_\_

Quarter \_\_\_\_\_ Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West

County: \_\_\_\_\_ Permit #: \_\_\_\_\_

**AFFIDAVIT**

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

Submitted Electronically

**KCC Office Use ONLY**

- Letter of Confidentiality Received  
Date: \_\_\_\_\_
- Confidential Release Date: \_\_\_\_\_
- Wireline Log Received
- Geologist Report Received
- UIC Distribution
- ALT  I  II  III Approved by: \_\_\_\_\_ Date: \_\_\_\_\_



1046332

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

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

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(If no, Submit Copy)</i>  List All E. Logs Run:	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record <i>(Amount and Kind of Material Used)</i>	Depth

TUBING RECORD:      Size: \_\_\_\_\_ Set At: \_\_\_\_\_ Packer At: \_\_\_\_\_ Liner Run:  Yes  No

Date of First, Resumed Production, SWD or ENHR. \_\_\_\_\_ Producing Method:  
 Flowing    Pumping    Gas Lift    Other (Explain) \_\_\_\_\_

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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Form	ACO1 - Well Completion
Operator	Lotus Operating Company, L.L.C.
Well Name	Koppitz 1
Doc ID	1046332

All Electric Logs Run

DI
ND w/PE
Micro
Sonic



## DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Company, LLC**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737

ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

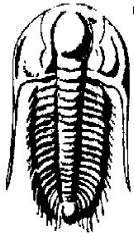
**KOPPITZ #1**

Start Date: 2010.08.02 @ 20:04:00

End Date: 2010.08.03 @ 09:16:00

Job Ticket #: 38778                      DST #: 1

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lotus Operating Company, LLC

**KOPPITZ #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

Job Ticket: 38778 **DST#: 1**

Test Start: 2010.08.02 @ 20:04:00

## GENERAL INFORMATION:

Formation: **MISSISSIPPIAN**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:42:40

Time Test Ended: 09:16:00

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

**Interval: 4775.00 ft (KB) To 4820.00 ft (KB) (TVD)**

Total Depth: 4820.00 ft (KB) (TVD)

Hole Diameter: 7.88 inches Hole Condition: Good

Reference Elevations: 1396.00 ft (KB)

1384.00 ft (CF)

KB to GR/CF: 12.00 ft

**Serial #: 8648 Inside**

Press@RunDepth: 36.48 psig @ 4776.00 ft (KB)

Start Date: 2010.08.02

End Date: 2010.08.03

Start Time: 20:04:05

End Time: 09:16:00

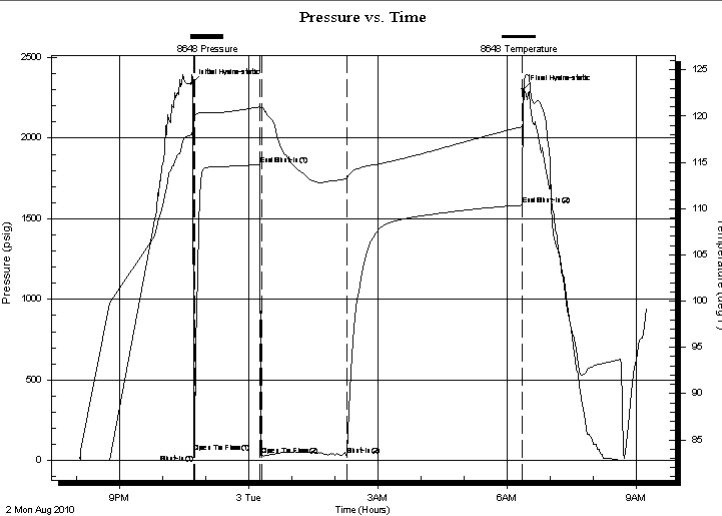
Capacity: 8000.00 psig

Last Calib.: 2010.08.03

Time On Btm: 2010.08.02 @ 22:39:50

Time Off Btm: 2010.08.03 @ 06:22:10

**TEST COMMENT:** IF: Strong blow, BOB 30 seconds.  
IS: Bled off, no blow back.  
FF: Strong blow, BOB immediately, GTS 4 minutes. Guage gas.  
FSI: Bled off, no blow back.



## PRESSURE SUMMARY

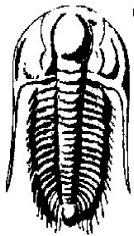
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2337.27	117.98	Initial Hydro-static
3	54.14	117.97	Open To Flow (1)
5	38.73	119.88	Shut-In(1)
96	1835.15	121.02	End Shut-In(1)
98	31.32	120.87	Open To Flow (2)
217	36.48	113.25	Shut-In(2)
462	1584.83	118.88	End Shut-In(2)
463	2301.67	119.25	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
50.00	G&OCM 20%g 10%o 70%m	0.25
50.00	HGCMO 30%g 30%m 40%o	0.25

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.25	11.00	40.30
Last Gas Rate	0.25	5.00	30.78
Max. Gas Rate	0.25	24.00	60.92



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lotus Operating Company, LLC

**KOPPITZ #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

Job Ticket: 38778 **DST#: 1**

Test Start: 2010.08.02 @ 20:04:00

## Mud and Cushion Information

Mud Type: Gel Chem  
Mud Weight: 9.00 lb/gal  
Viscosity: 57.00 sec/qt  
Water Loss: 8.98 in<sup>3</sup>  
Resistivity: ohm.m  
Salinity: 4000.00 ppm  
Filter Cake: inches

Cushion Type:  
Cushion Length: ft  
Cushion Volume: bbl  
Gas Cushion Type:  
Gas Cushion Pressure: psig

Oil API: deg API  
Water Salinity: ppm

## Recovery Information

Recovery Table

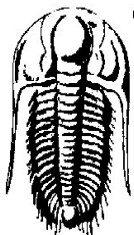
Length ft	Description	Volume bbl
50.00	G&OCM 20%g 10%o 70%m	0.246
50.00	HGCMO 30%g 30%m 40%o	0.246

Total Length: 100.00 ft Total Volume: 0.492 bbl

Num Fluid Samples: 0 Num Gas Bombs: 0 Serial #:

Laboratory Name: Laboratory Location:

Recovery Comments:



**TRILOBITE**  
**TESTING, INC.**

# DRILL STEM TEST REPORT

**GAS RATES**

Lotus Operating Company, LLC

**KOPPITZ #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

Job Ticket: 38778      **DST#: 1**

Test Start: 2010.08.02 @ 20:04:00

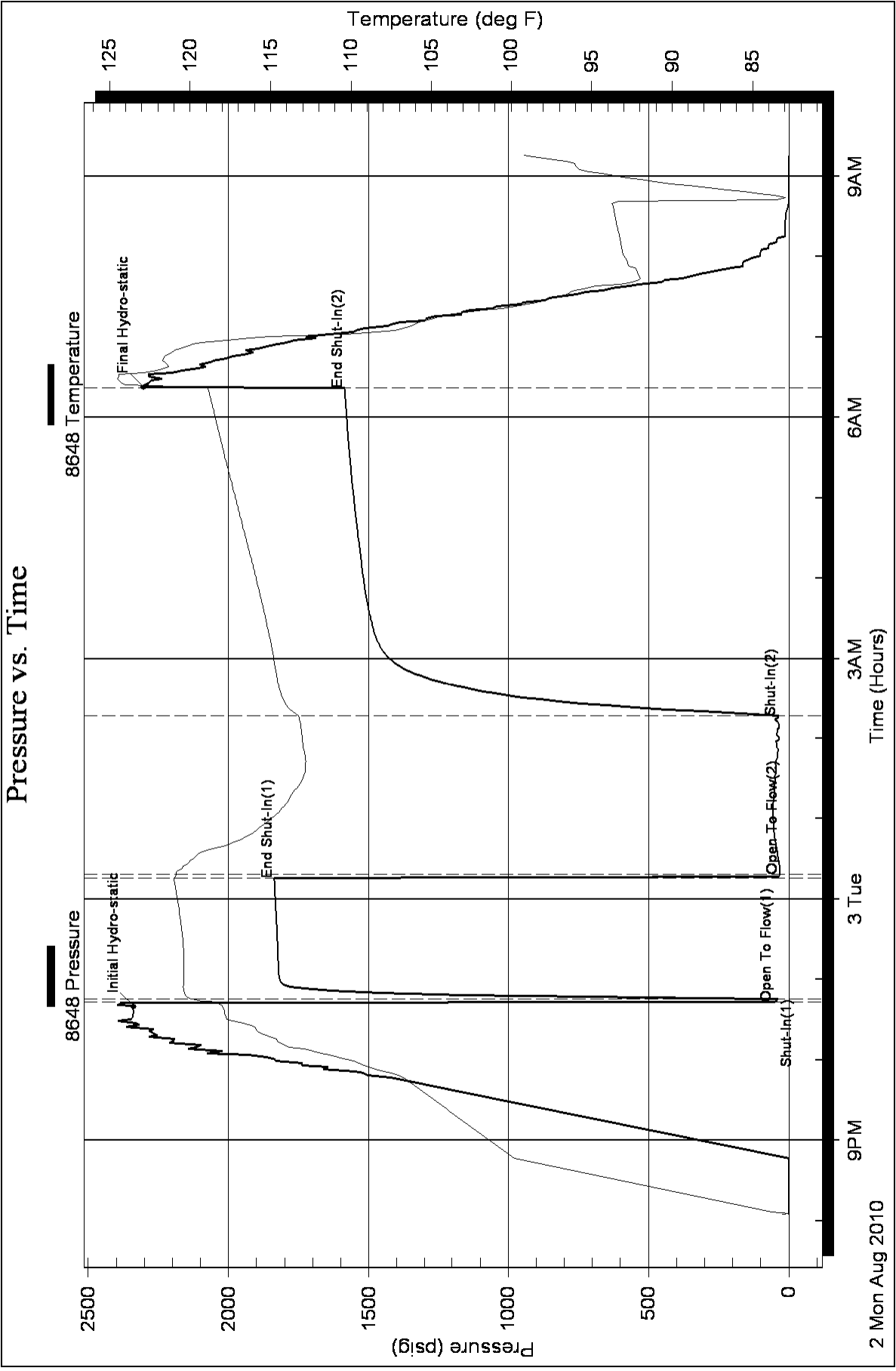
## Gas Rates Information

Temperature: 59 deg C  
Relative Density: 0.65  
Z Factor: 0.8

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	10	0.25	11.00	40.30
2	10	0.25	11.00	40.30
2	20	0.25	20.00	54.57
2	30	0.25	23.00	59.33
2	40	0.25	24.00	60.92
2	50	0.25	23.00	59.33
2	60	0.25	22.00	57.75
2	70	0.25	20.00	54.57
2	80	0.25	17.00	49.81
2	90	0.25	14.00	45.05
2	100	0.25	11.00	40.30
2	110	0.25	8.00	35.54
2	120	0.25	5.00	30.78

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Lotus Operating Company, LLC**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737

ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

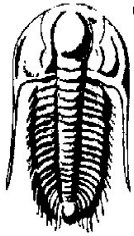
**KOPPITZ #1**

Start Date: 2010.08.04 @ 11:26:00

End Date: 2010.08.04 @ 21:42:00

Job Ticket #: 38779                      DST #: 2

Trilobite Testing, Inc  
PO Box 1733 Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

Lotus Operating Company, LLC

**KOPPITZ #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

Job Ticket: 38779 **DST#: 2**

Test Start: 2010.08.04 @ 11:26:00

## GENERAL INFORMATION:

Formation: **MISENER SAND**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 14:23:50

Time Test Ended: 21:42:00

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

**Interval: 5117.00 ft (KB) To 5137.00 ft (KB) (TVD)**

Reference Elevations: 1396.00 ft (KB)

Total Depth: 5137.00 ft (KB) (TVD)

1384.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 12.00 ft

**Serial #: 8648 Inside**

Press@RunDepth: 96.06 psig @ 5118.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.04 End Date: 2010.08.04

Last Calib.: 2010.08.04

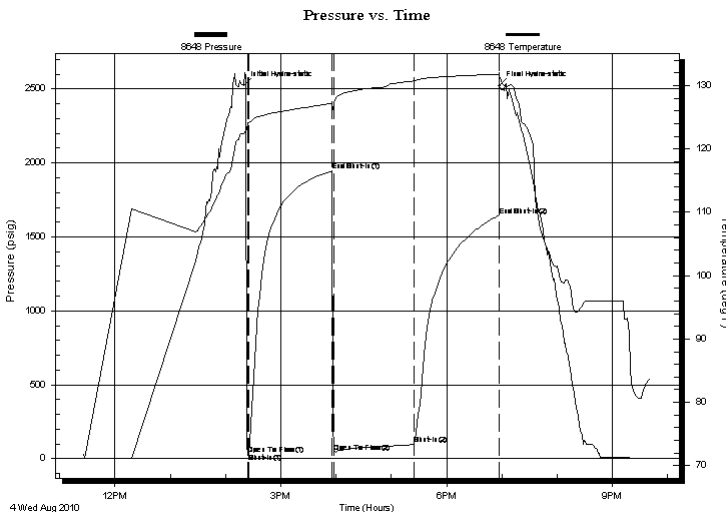
Start Time: 11:26:05 End Time: 21:42:00

Time On Btm: 2010.08.04 @ 14:20:00

Time Off Btm: 2010.08.04 @ 18:57:30

**TEST COMMENT:** IF: Strong blow, BOB 20 seconds.  
IS: Bled off, no blow back.  
FF: Strong blow, BOB 10 seconds.  
FSI: Bled off, weak surface blow back.

## PRESSURE SUMMARY



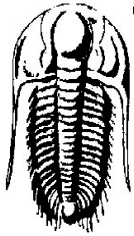
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2525.47	122.43	Initial Hydro-static
4	31.46	124.10	Open To Flow (1)
6	36.66	124.24	Shut-In(1)
96	1944.43	127.19	End Shut-In(1)
98	41.92	127.24	Open To Flow (2)
186	96.06	130.76	Shut-In(2)
277	1645.59	131.82	End Shut-In(2)
278	2520.49	131.41	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	MCW 10%M 90%W	0.30
60.00	HGCW&OCM 20%G 15%W 20%O 45%M	0.30
60.00	HGCWOM 40%G 15%W 20%O 25%M	0.30
35.00	HGCWOM 20%G 8%W 32%O 40%M	0.49
0.00	66,000 ppm chlorides	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lotus Operating Company, LLC

**KOPPITZ #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Tim Hellman

**2-35s-12w-BARBER-KS**

Job Ticket: 38779 **DST#: 2**

Test Start: 2010.08.04 @ 11:26:00

## Mud and Cushion Information

Mud Type: Gel Chem	Cushion Type:	Oil API:	deg API
Mud Weight: 9.00 lb/gal	Cushion Length: ft	Water Salinity:	ppm
Viscosity: 45.00 sec/qt	Cushion Volume: bbl		
Water Loss: 9.58 in <sup>3</sup>	Gas Cushion Type:		
Resistivity: ohm.m	Gas Cushion Pressure: psig		
Salinity: 5000.00 ppm			
Filter Cake: inches			

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	MCW 10%M 90%W	0.295
60.00	HGCW&OCM 20%G 15%W 20%O 45%M	0.295
60.00	HGCWOM 40%G 15%W 20%O 25%M	0.295
35.00	HGCWOM 20%G 8%W 32%O 40%M	0.491
0.00	66,000 ppm chlorides	0.000

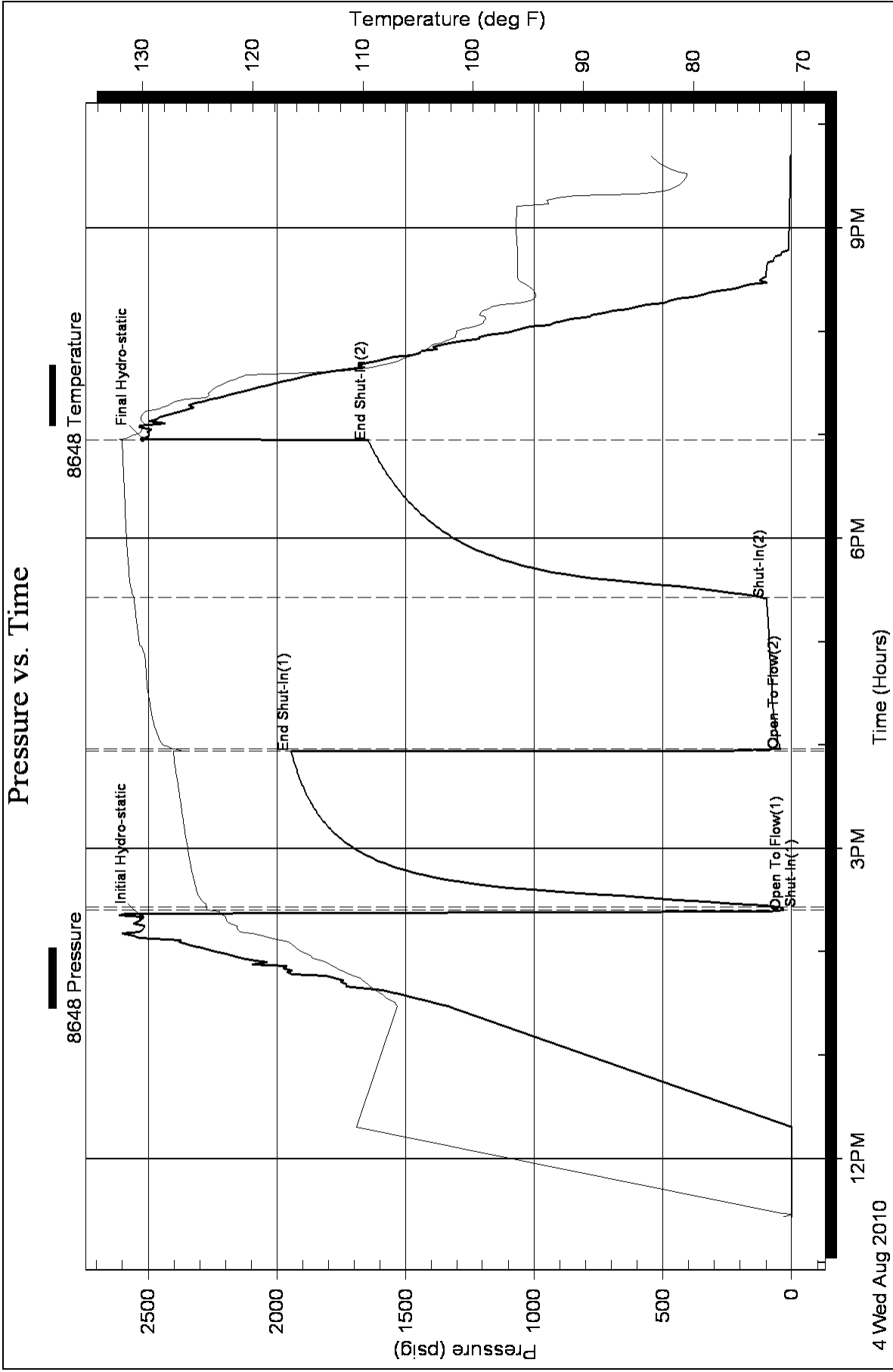
Total Length: 215.00 ft      Total Volume: 1.376 bbl

Num Fluid Samples: 0      Num Gas Bombs: 0      Serial #:

Laboratory Name:      Laboratory Location:

Recovery Comments:

### Pressure vs. Time





**SUPERIOR**  
Hays,  
Kansas

**DUAL  
INDUCTION  
LOG**

Company LOTUS OPERATING CO., LLC.  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER  
State KANSAS

Company LOTUS OPERATING COMPANY, LLC  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER State KANSAS

Location: API # : 15-007-23565-0000  
900' FNL & 600' FWL  
SEC 2 TWP 35S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1391  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
MEL/SON  
Elevation  
K.B. 1404  
D.F. 1402  
G.L. 1391

Date	8-5-10
Run Number	ONE
Depth Driller	5200
Depth Logger	5203
Bottom Logged Interval	5201
Top Log Interval	0
Casing Driller	10 3/4" @ 260'
Casing Logger	260
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/46
pH / Fluid Loss	10.0/10.4
Source of Sample	FLOWLINE
Rin @ Meas. Temp	.70 @ 97F
Rmf @ Meas. Temp	.52 @ 97
Rmc @ Meas. Temp	.84 @ 97F
Source of Rmf / Rmc	MEASURED
Rin @ BHT	.53 @ 126F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	126F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JASON CAPPELLUCCI
Witnessed By	TIM HELLMAN

<<< Fold Here >>>

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

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE KS. - S. TO MM 8 (RATTLESNAKE TRAIL) - 1 W. - 1 S.  
1 W. - S. INTO



**SUPERIOR**  
Hays,  
Kansas

**MAIN SECTION**

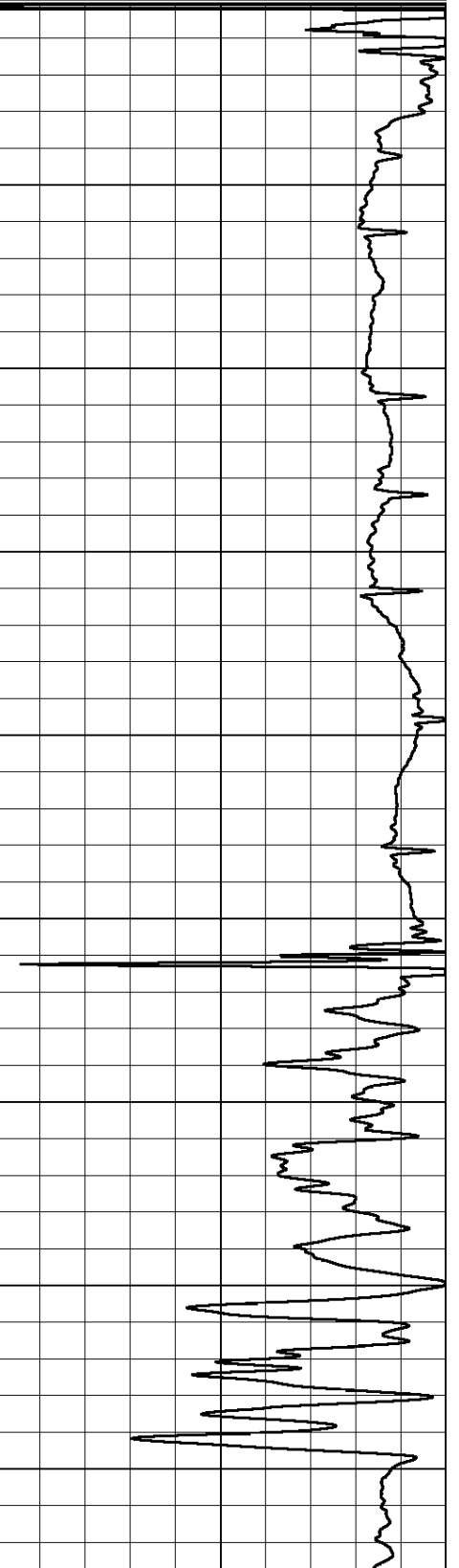
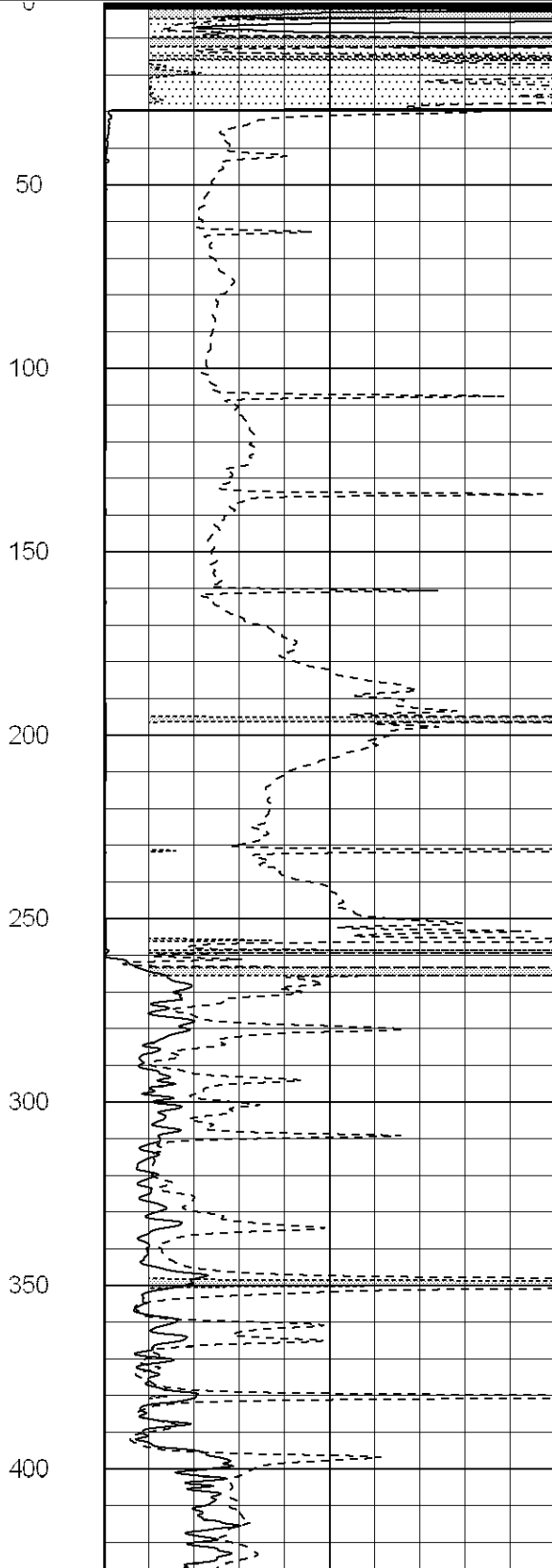
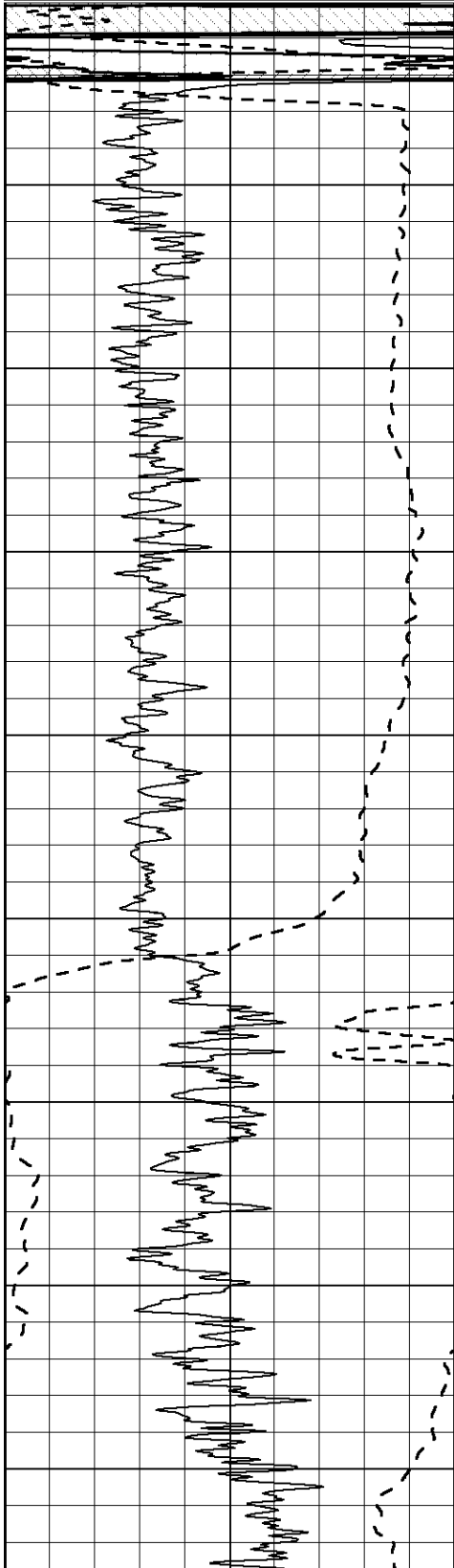
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 Charted by: Depth in Feet scaled 1:600

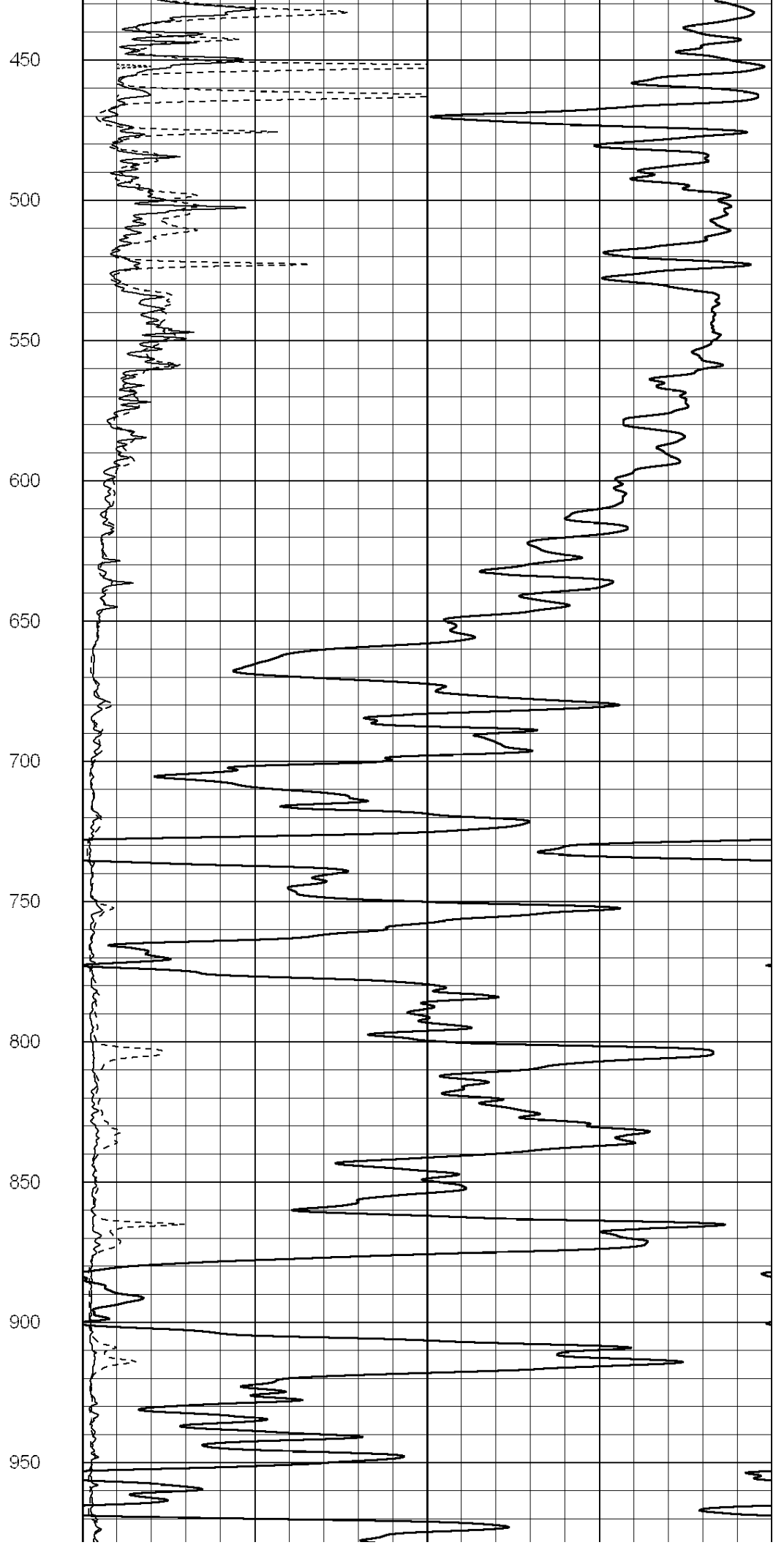
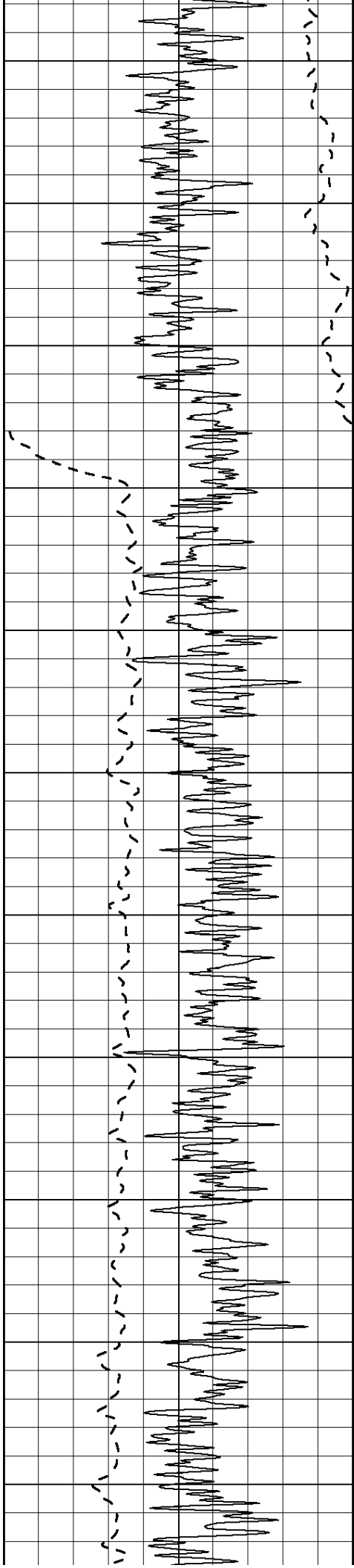
0	Gamma Ray (GAPI)	150
-100	SP (mV)	100

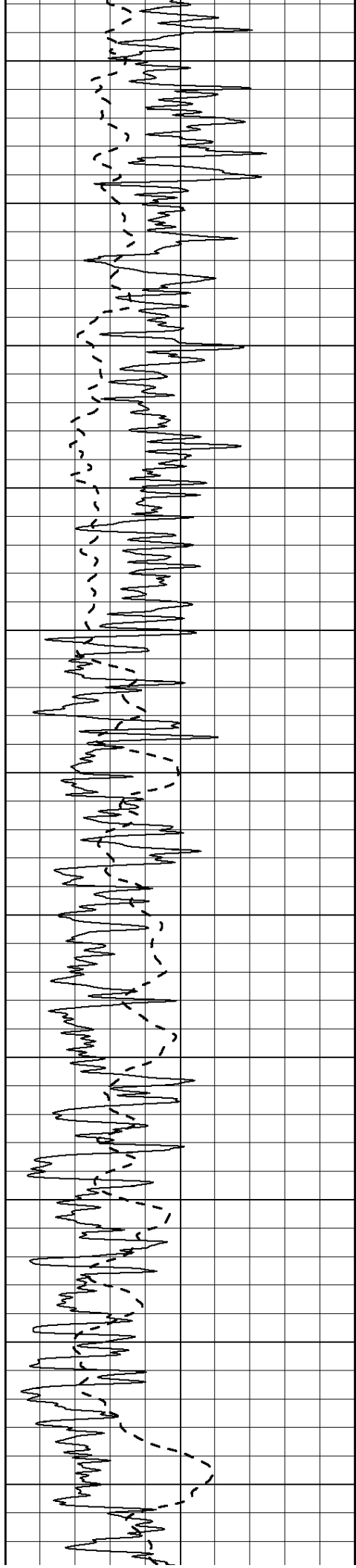
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

1000	CILD (mmho/m)	0
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50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

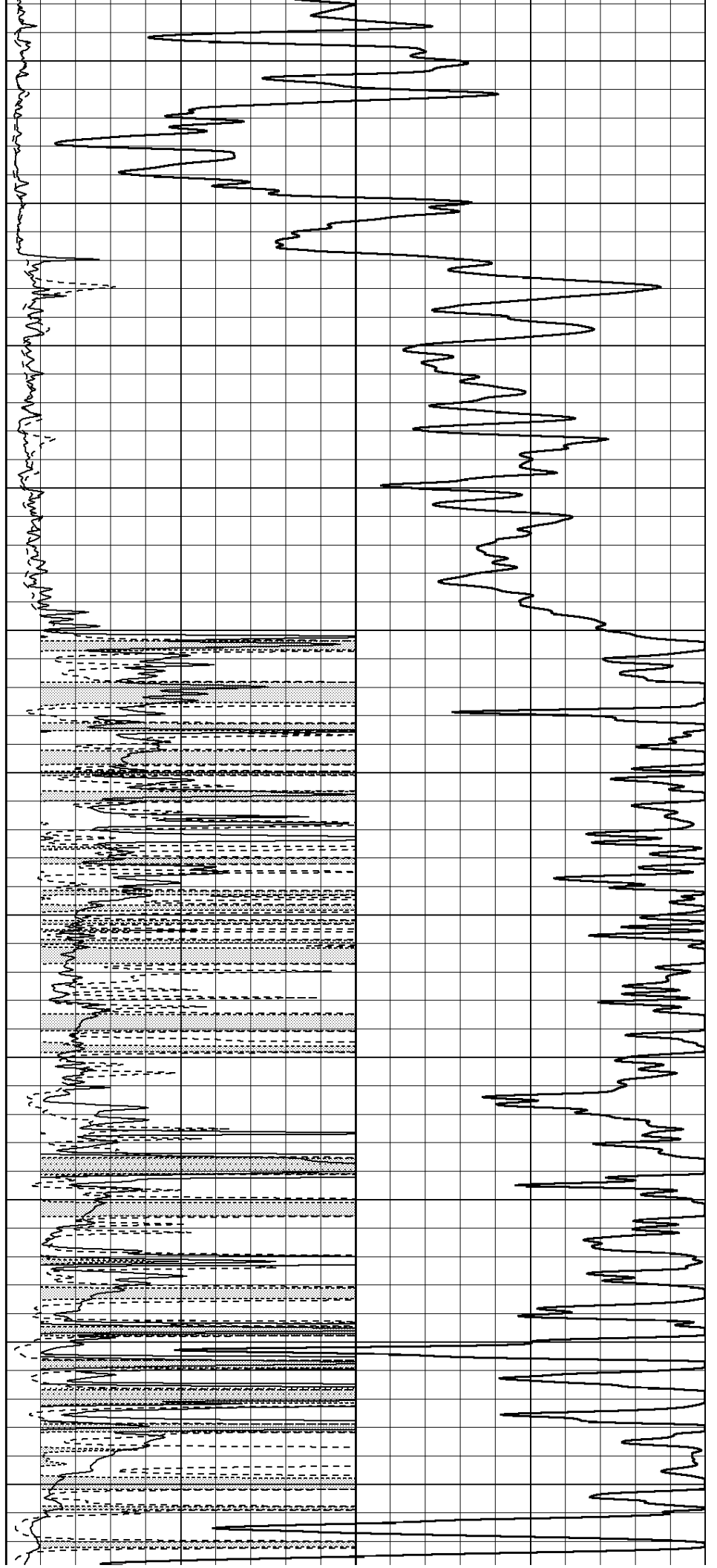
1300

1350

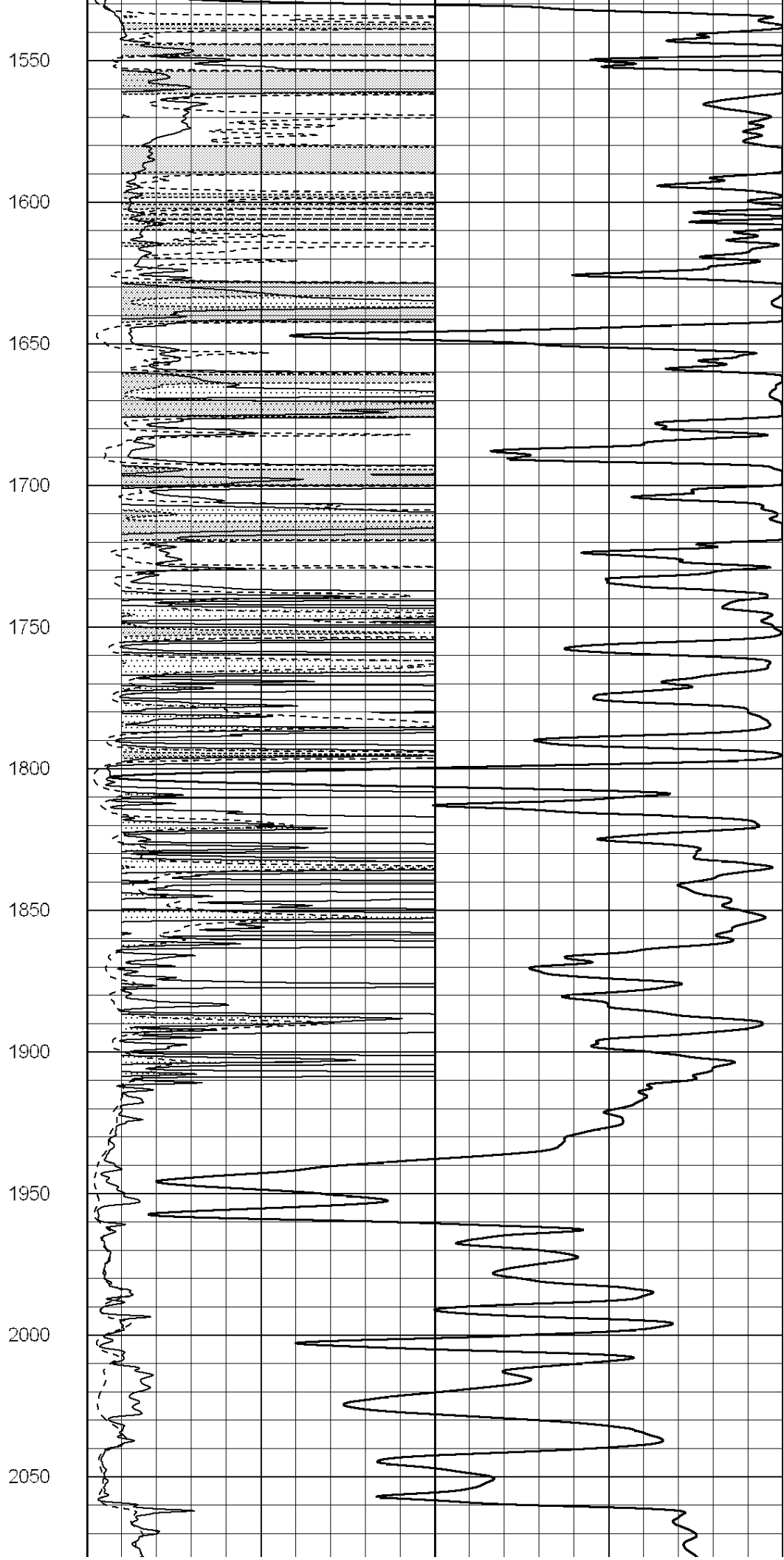
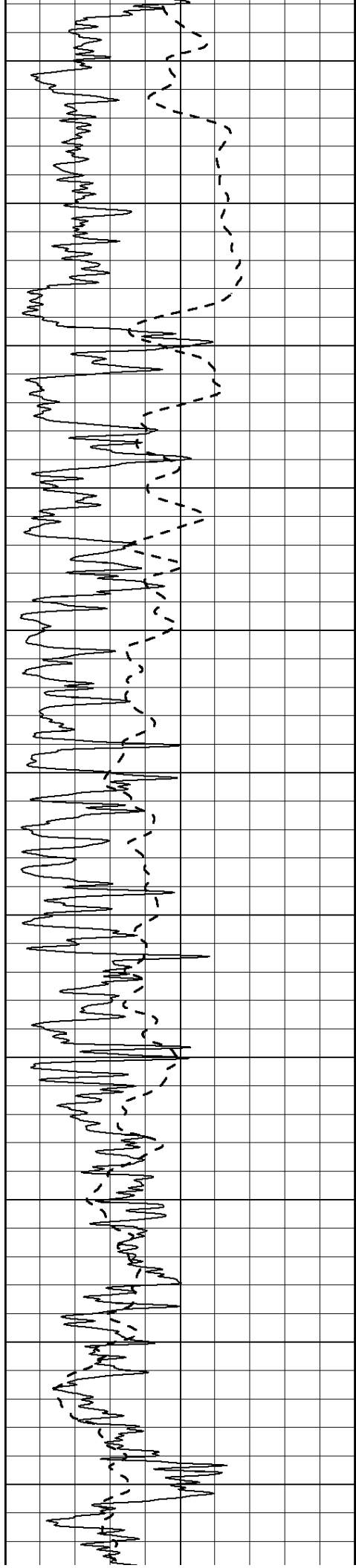
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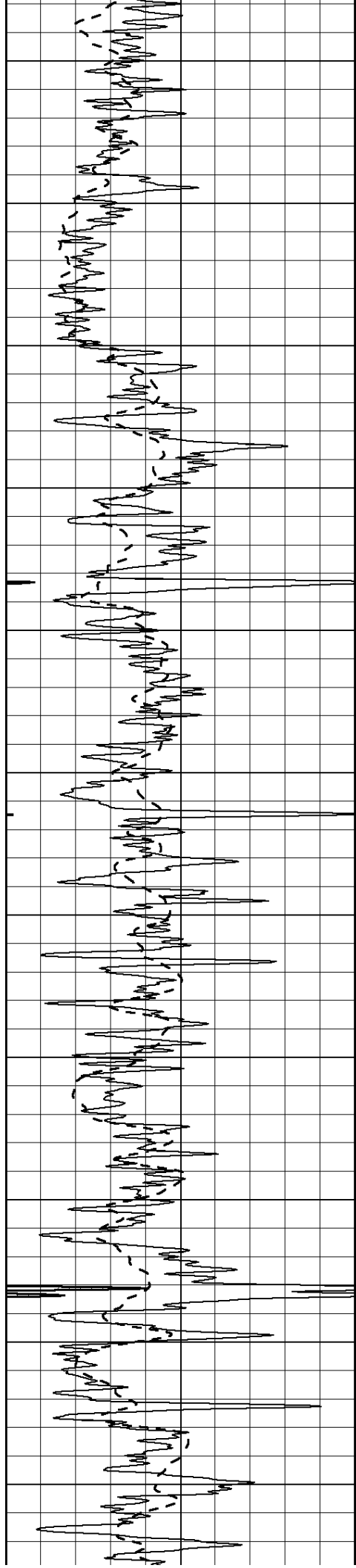
1450

1500









2100

2150

2200

2250

2300

2350

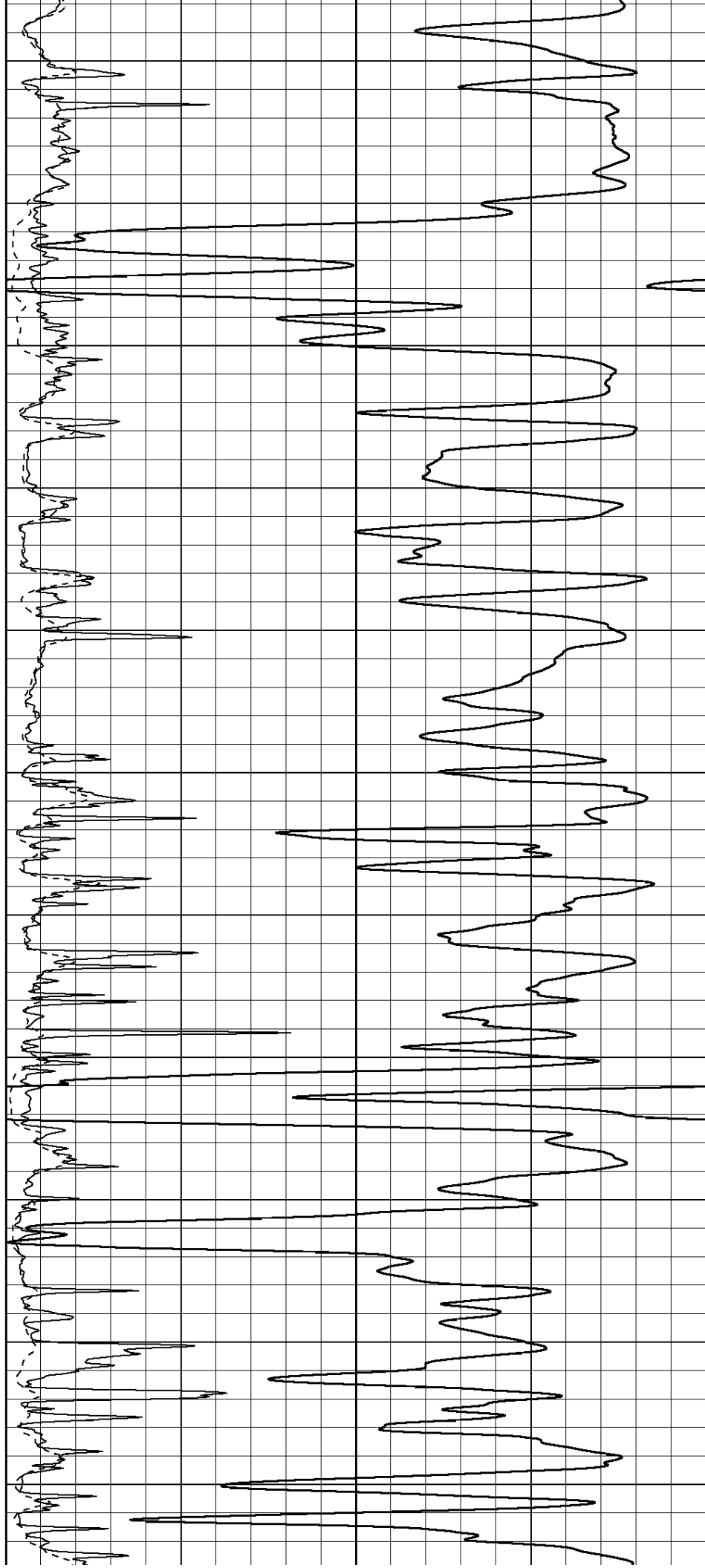
2400

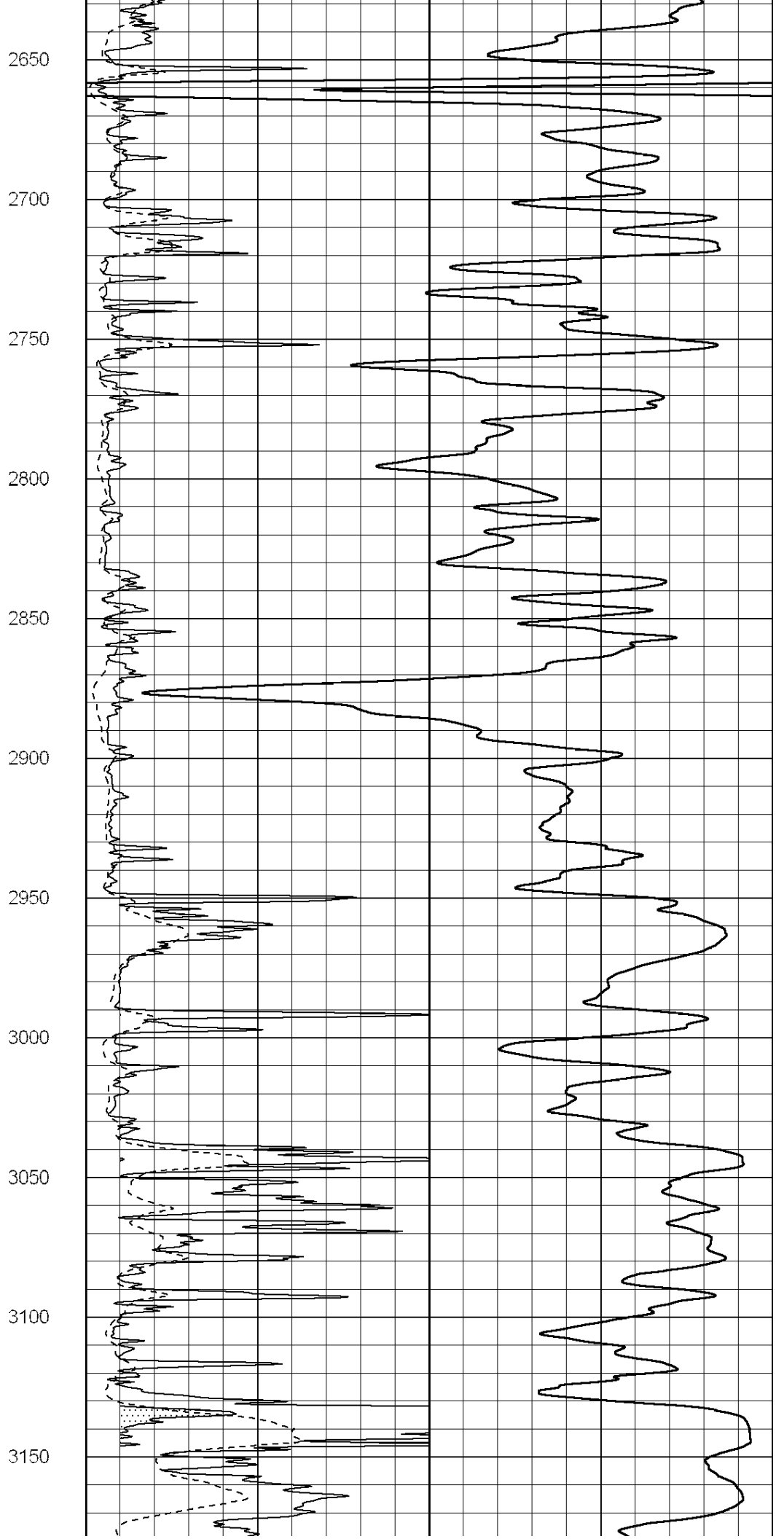
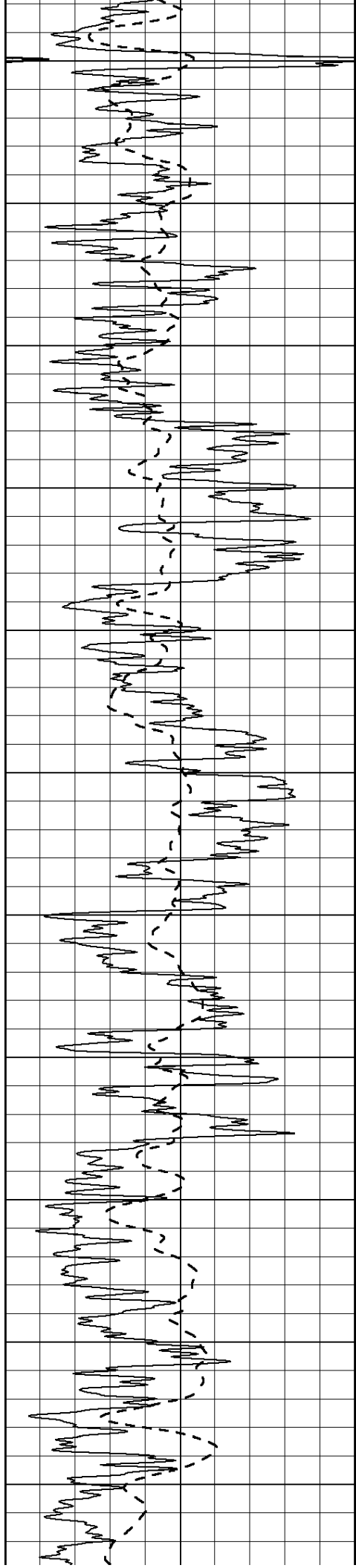
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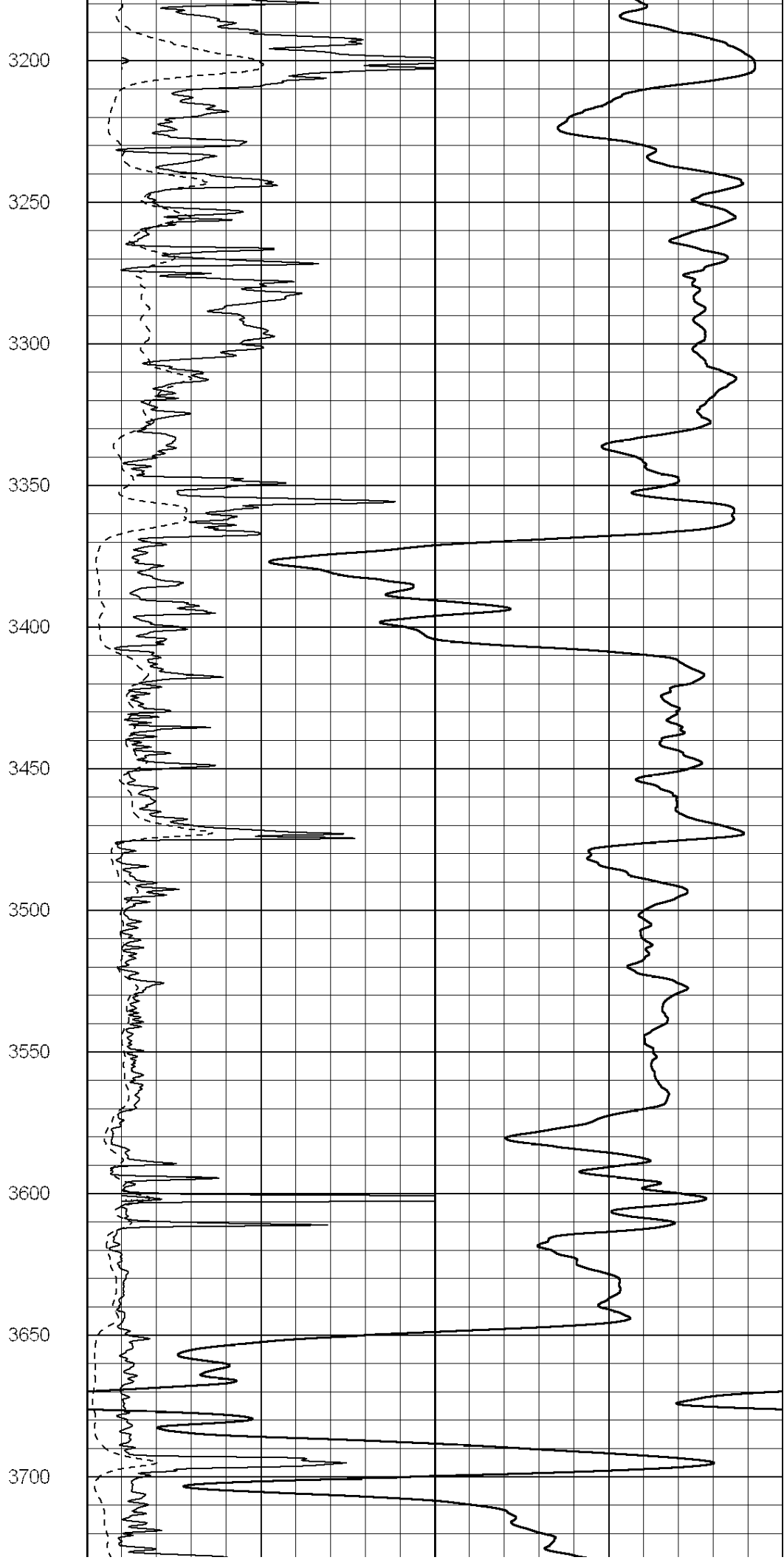
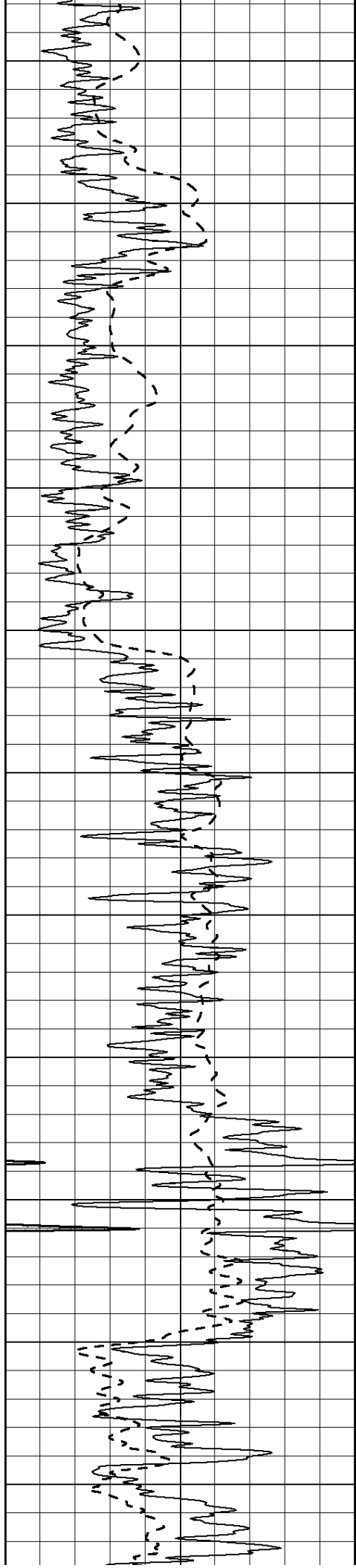
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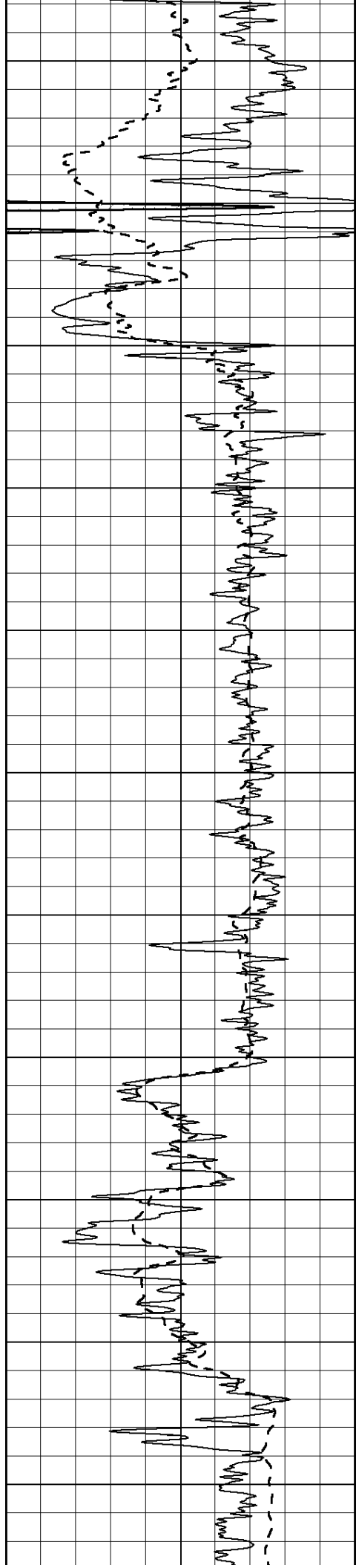
2550

2600









3750

3800

3850

3900

3950

4000

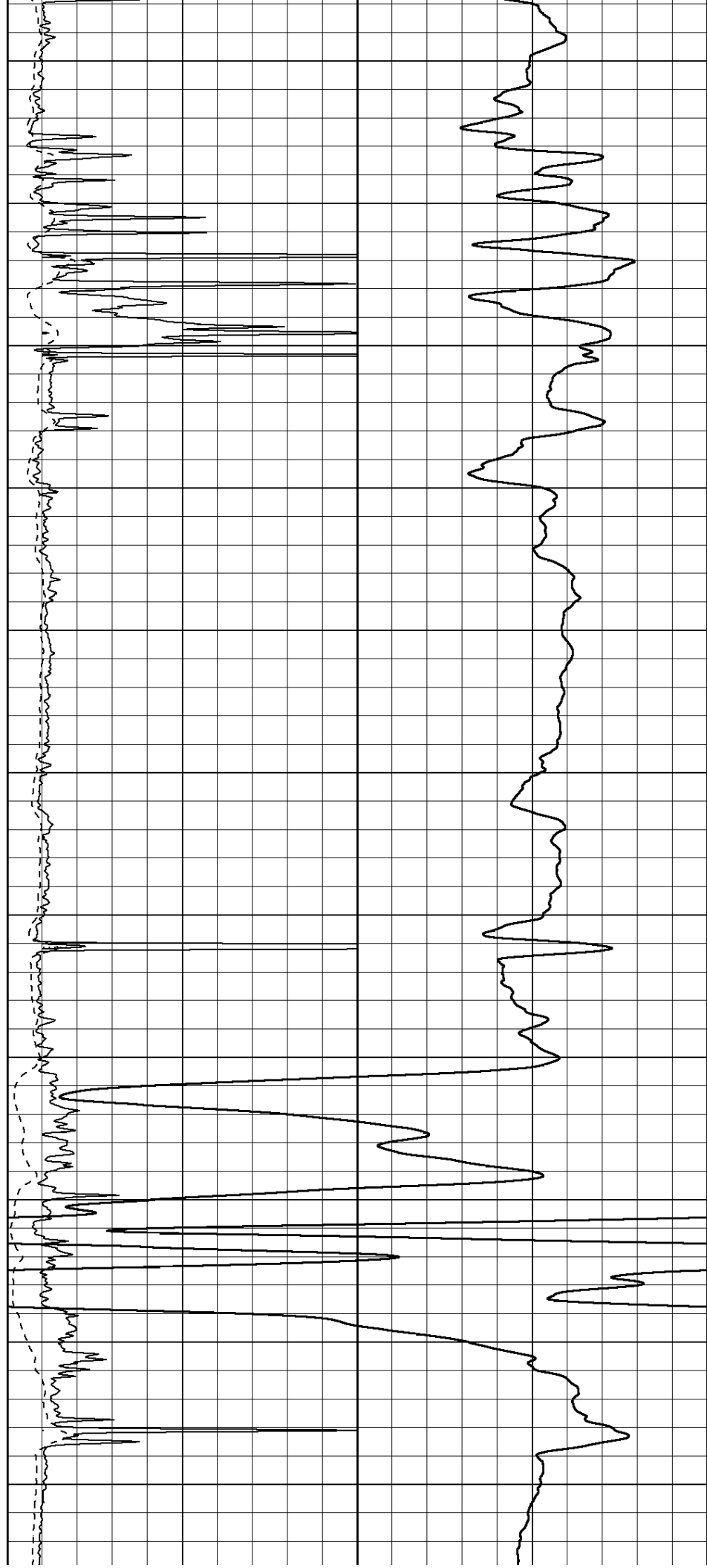
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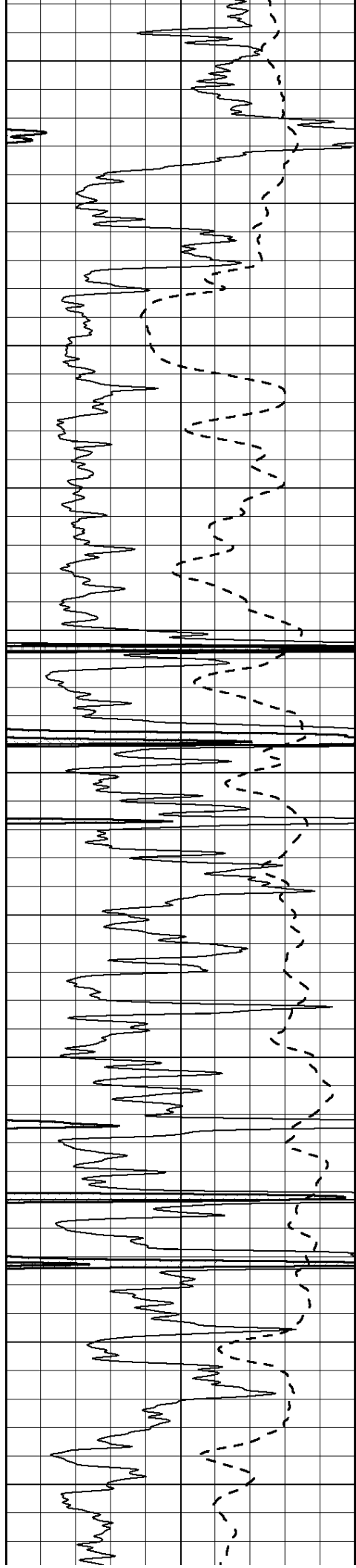
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4150

4200

4250





4300

4350

4400

4450

4500

4550

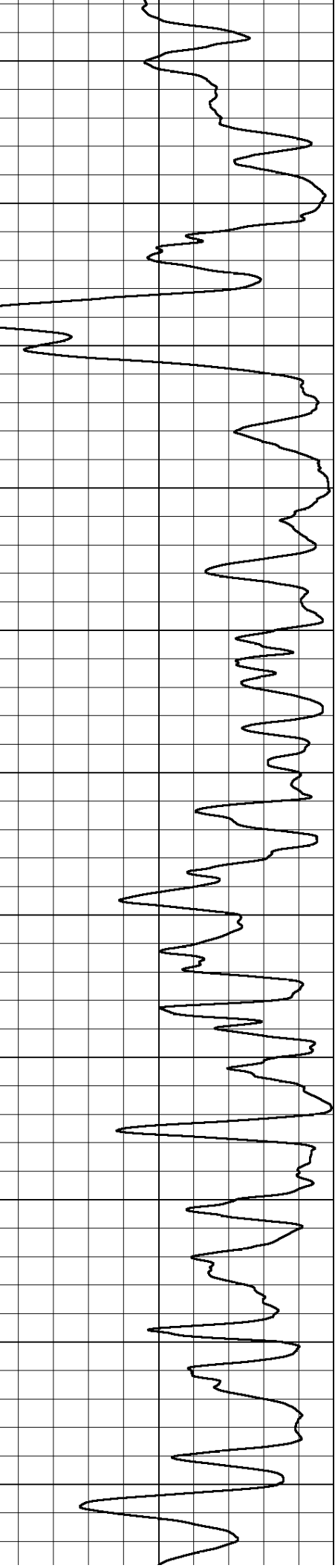
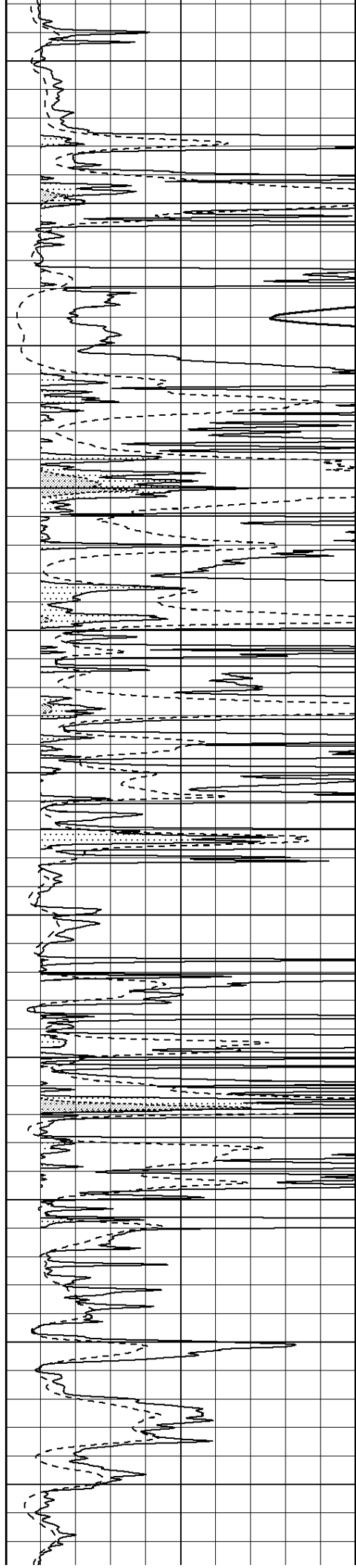
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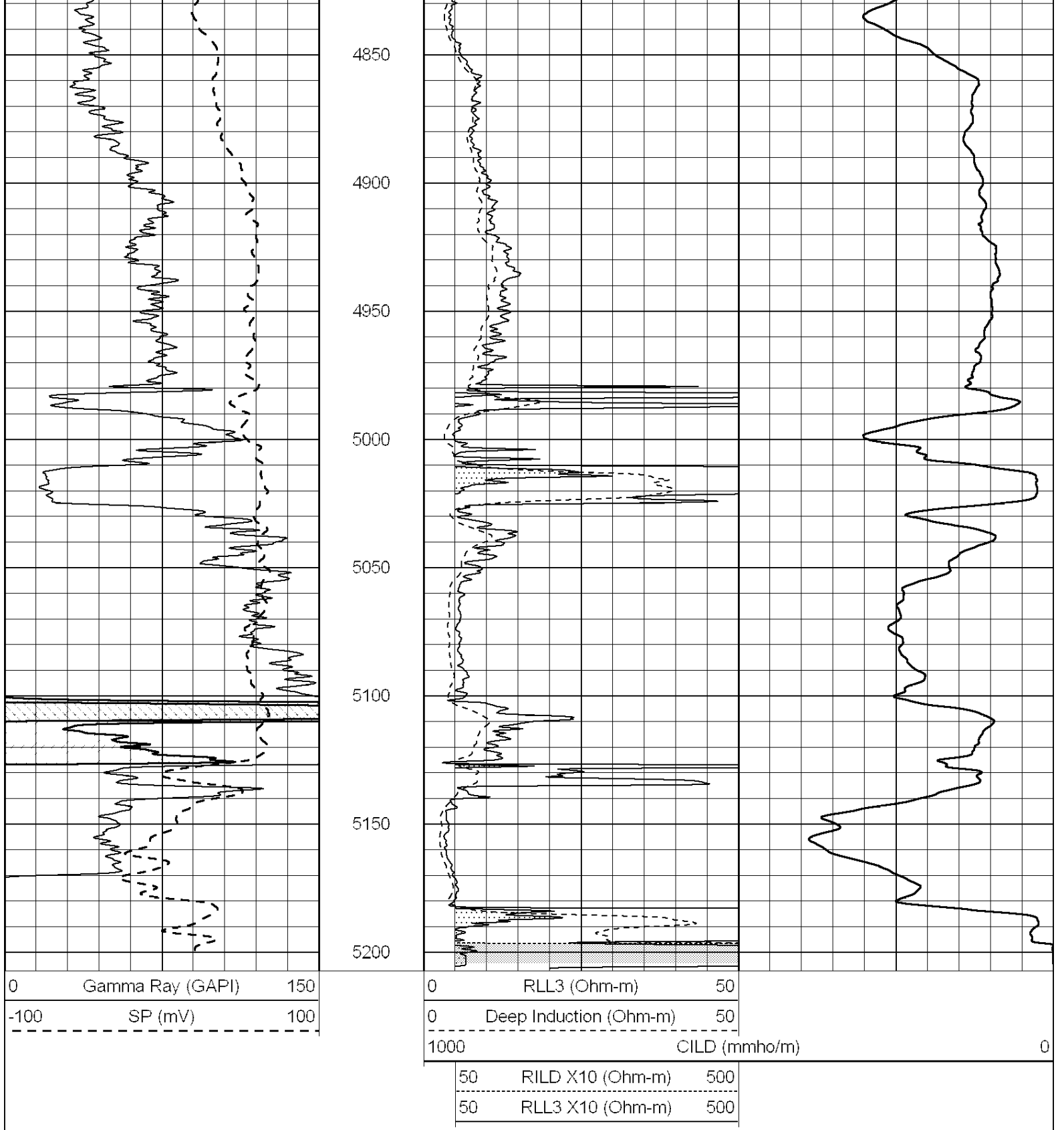
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4700

4750

4800





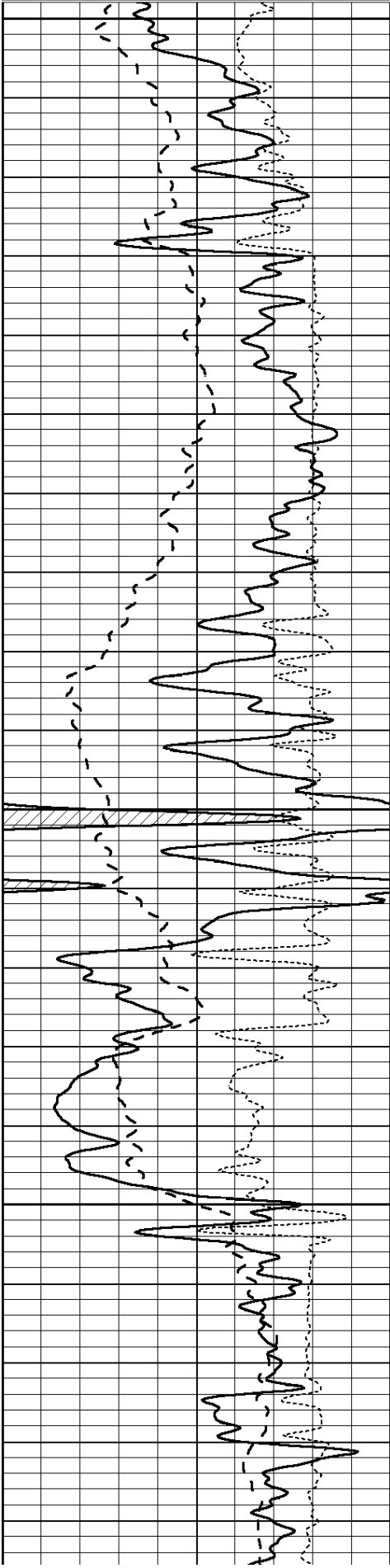
SUPERIOR  
 Hays,  
 Kansas

# MAIN SECTION

Database File: 005422pe.db  
 Dataset Pathname: pass3.1  
 Presentation Format: \_dil  
 Dataset Creation: Thu Aug 05 11:54:17 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

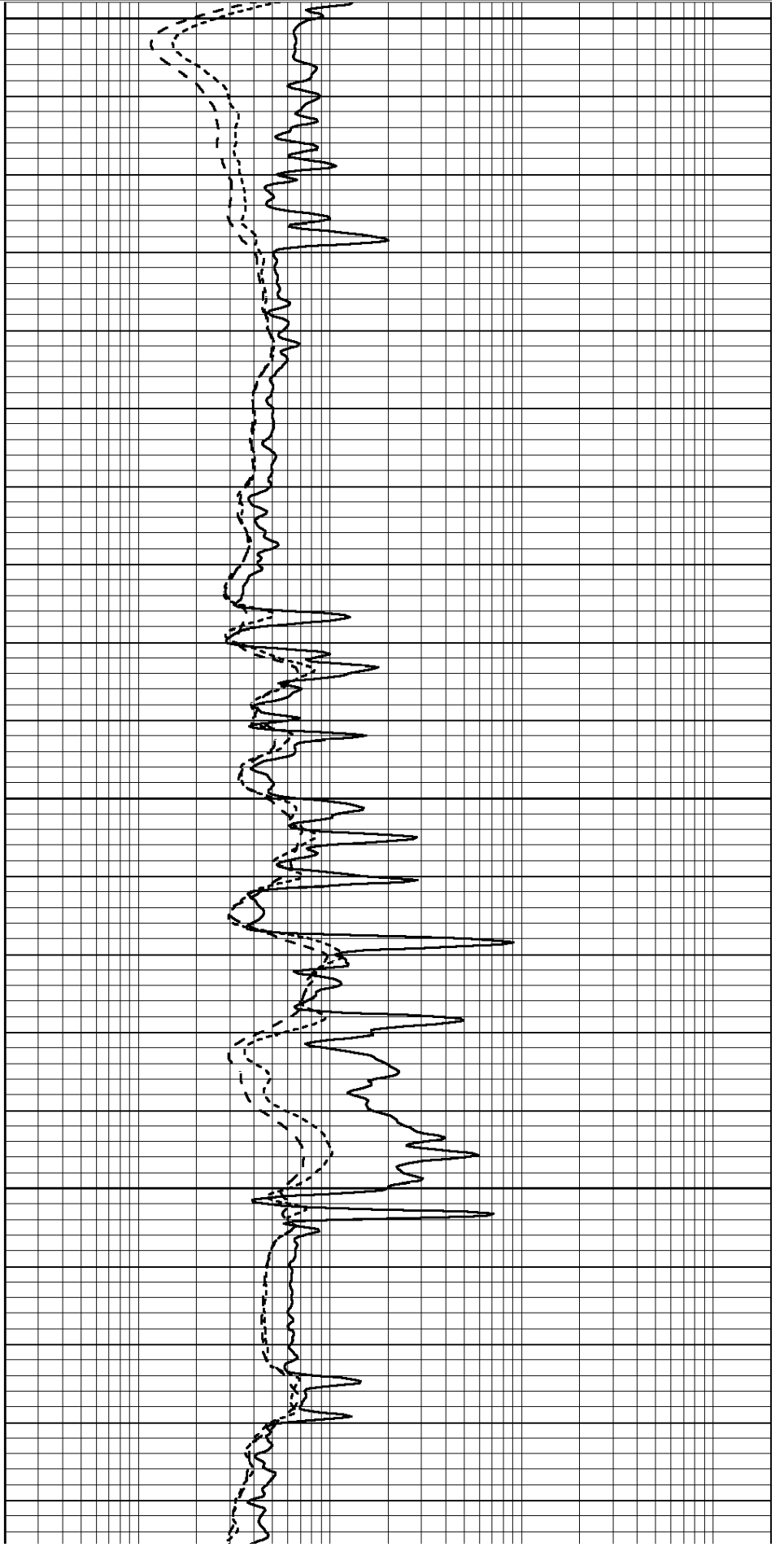


3700

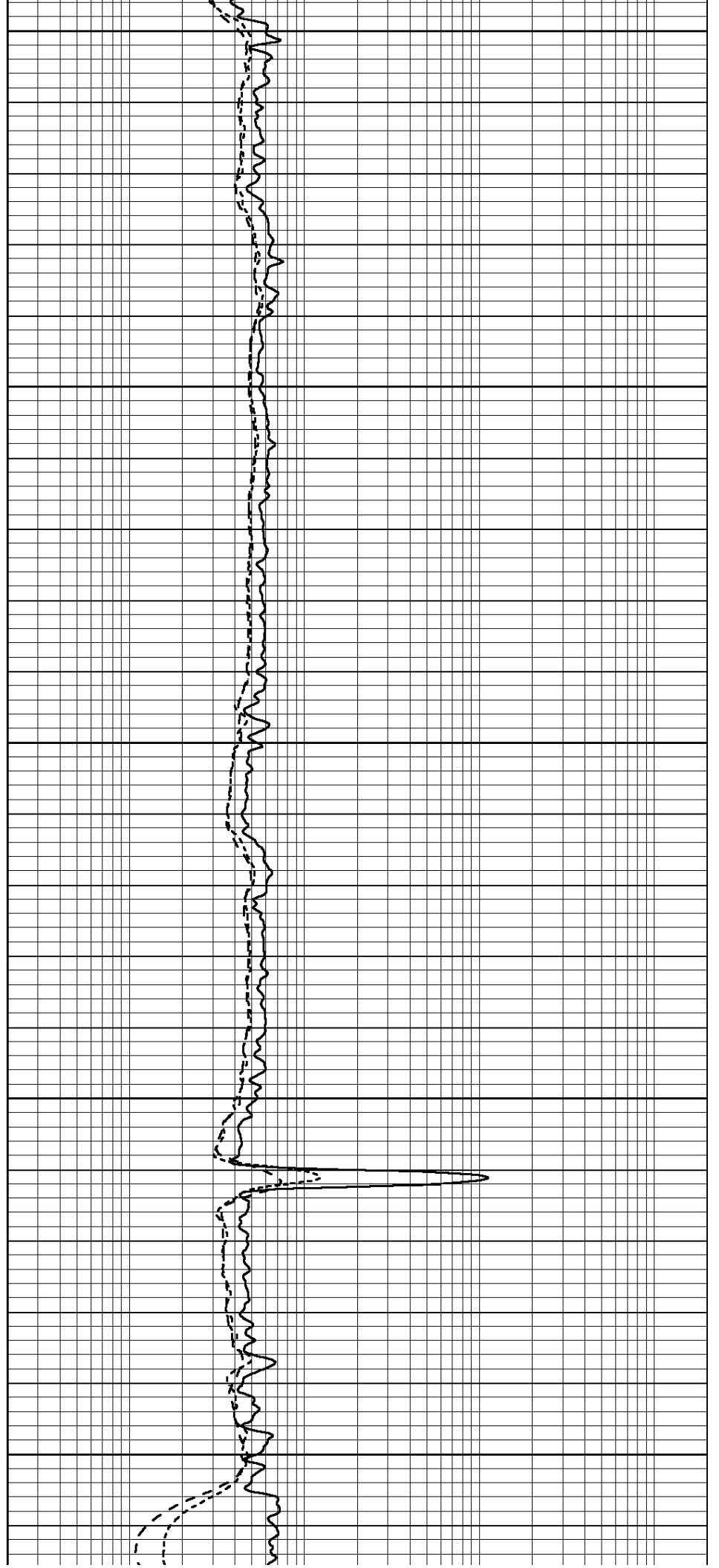
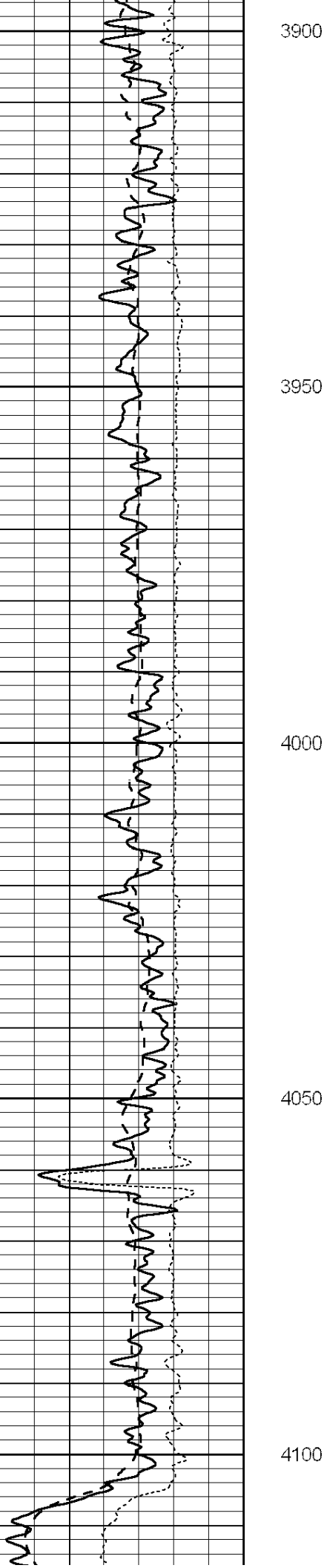
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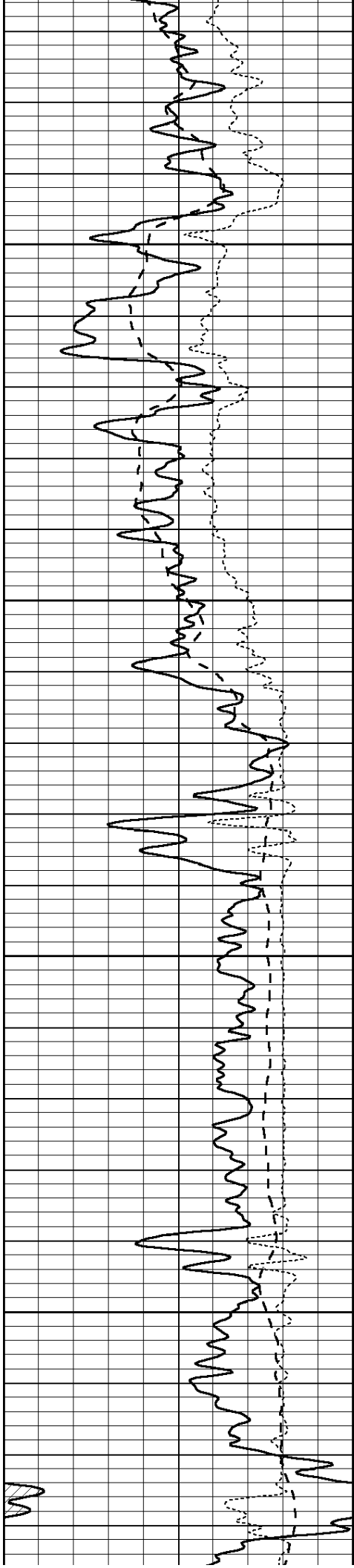
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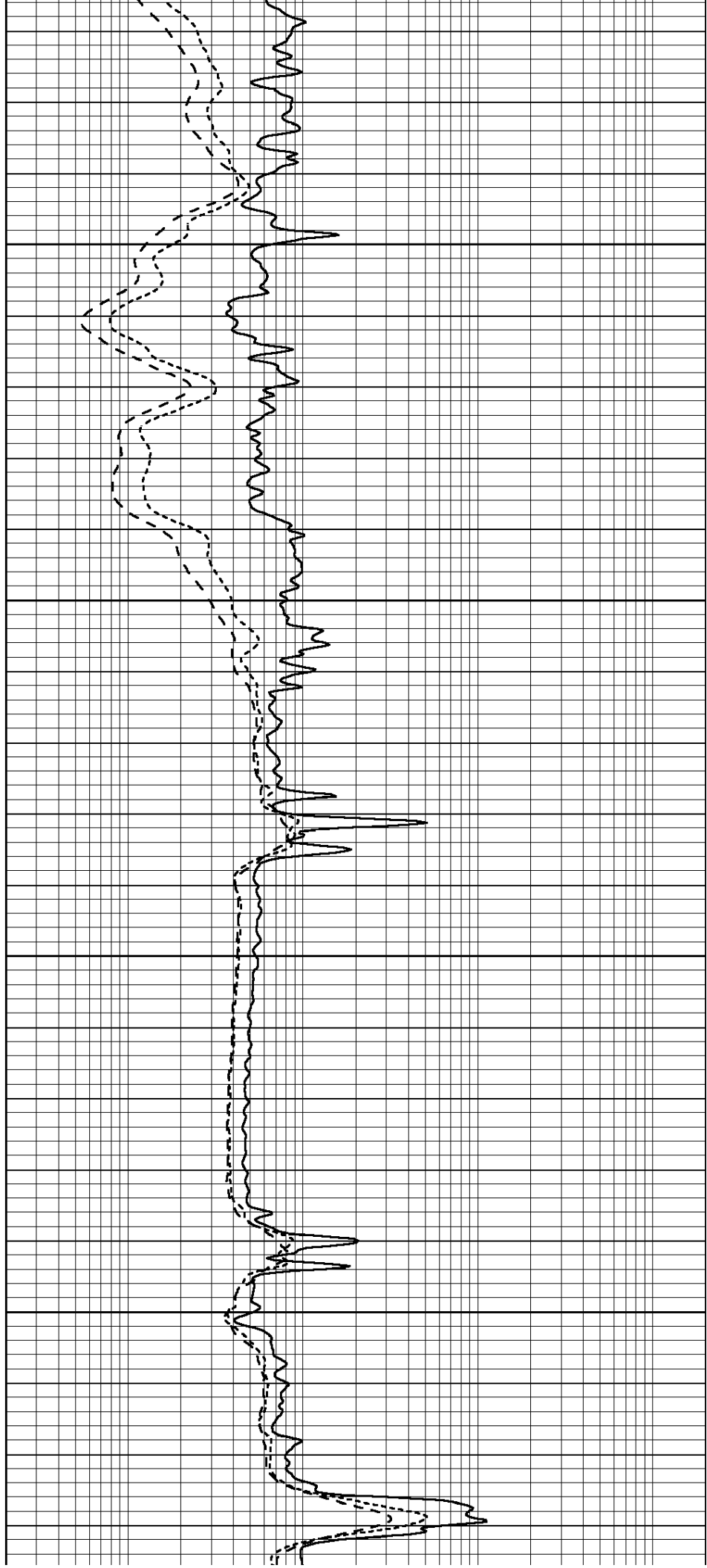


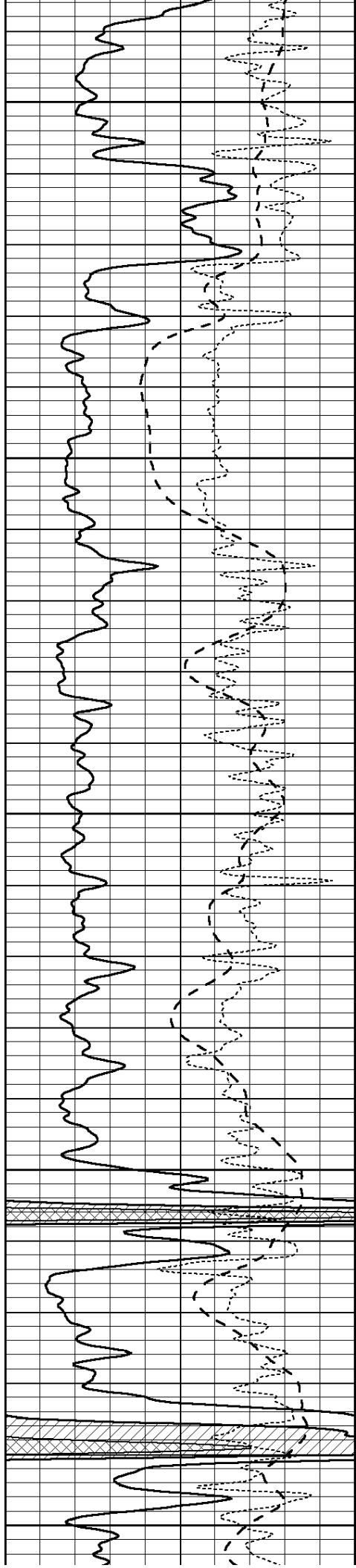
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4200

4250

4300





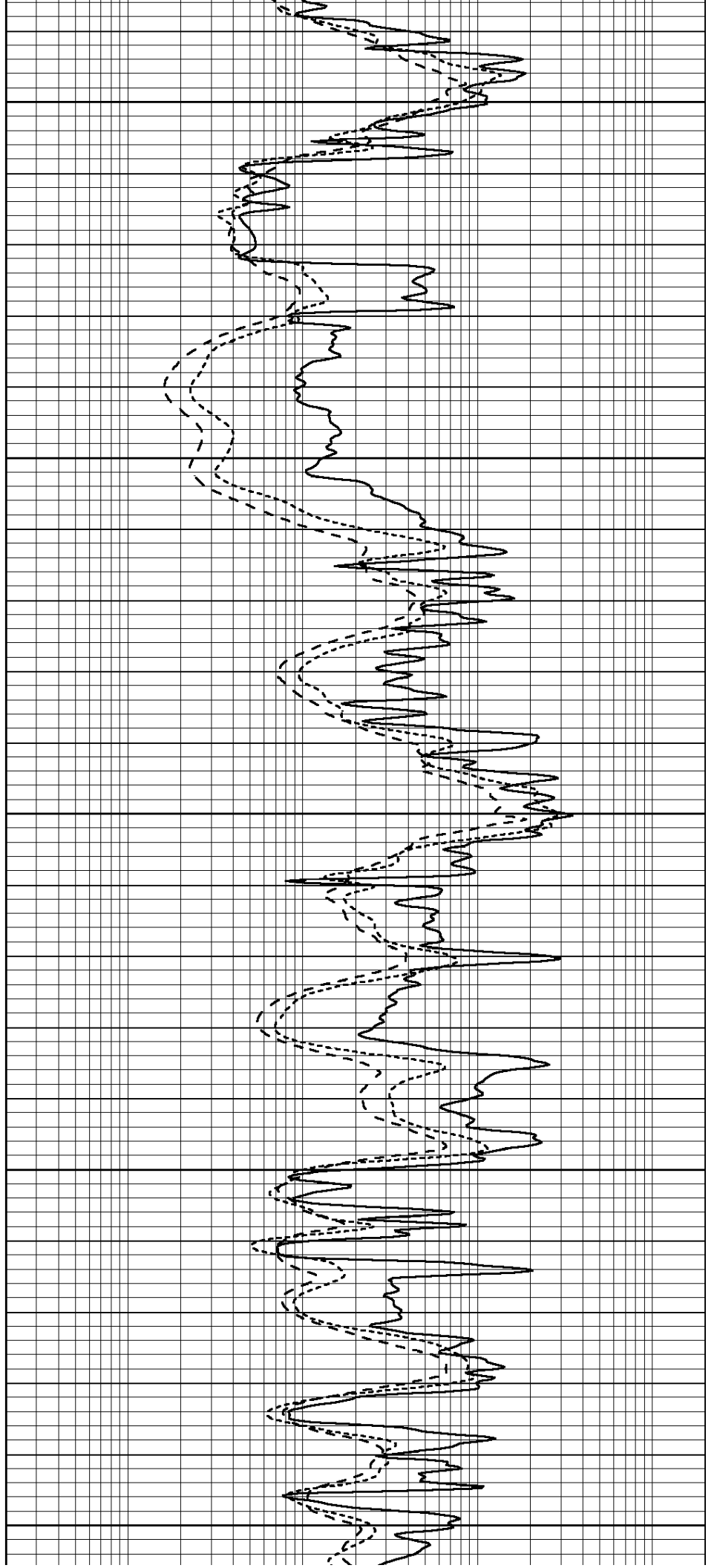
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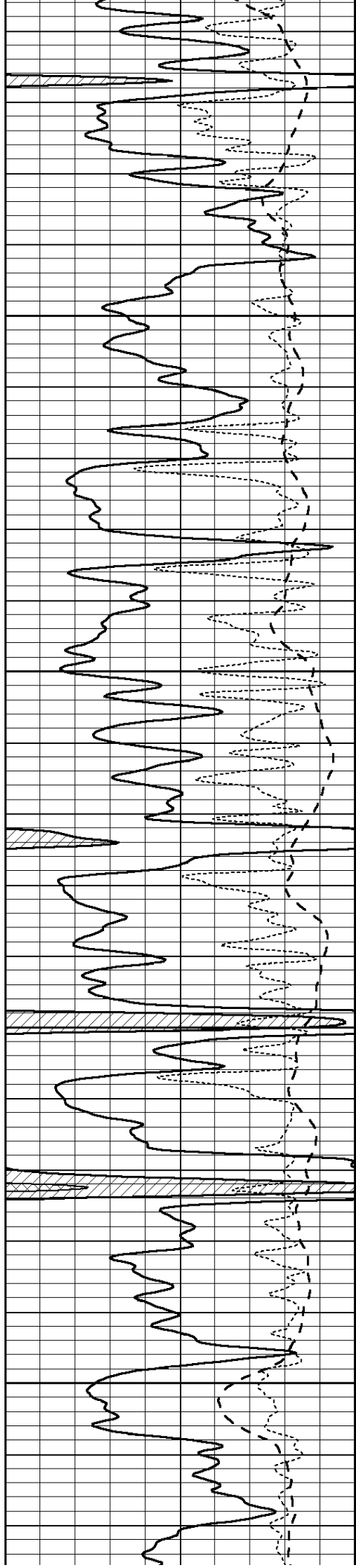
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4450

4500

4550



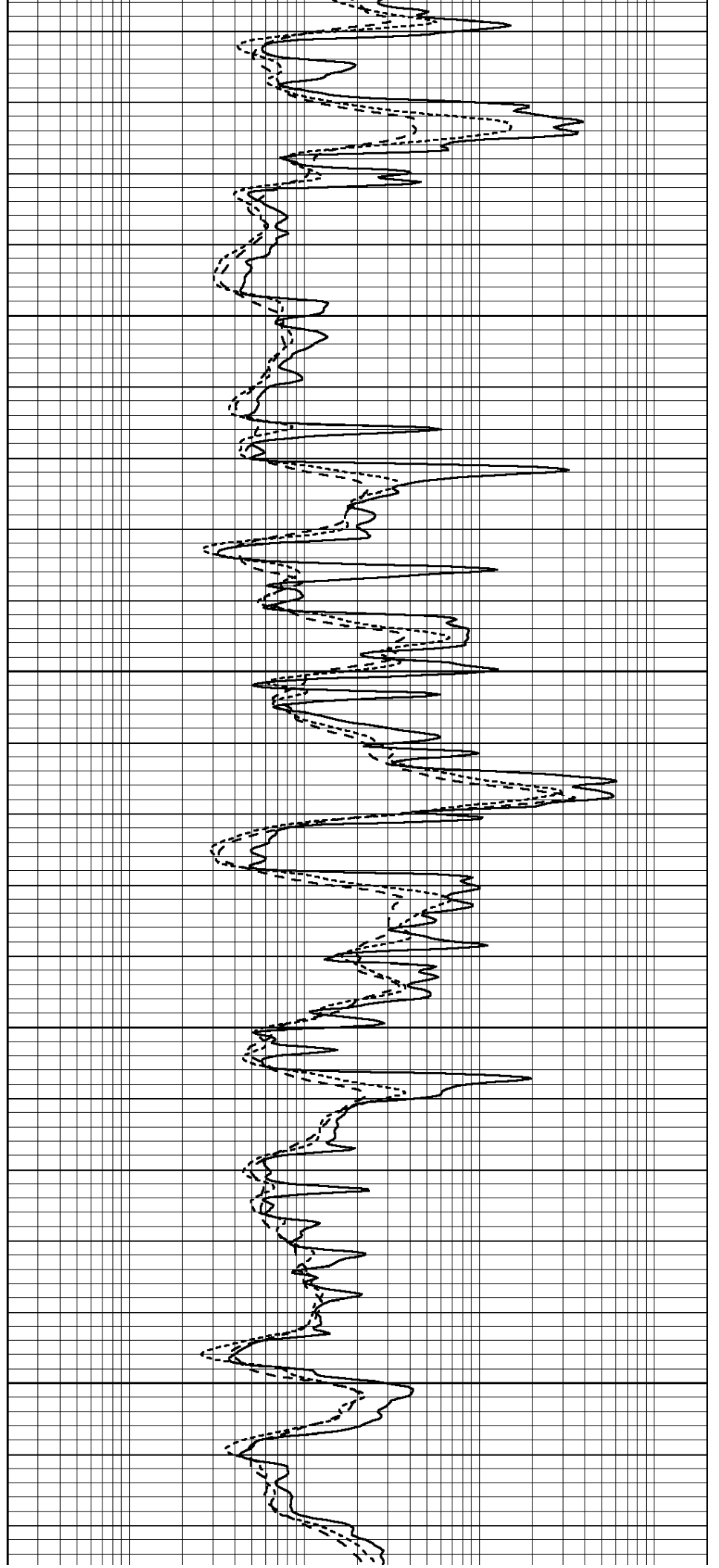


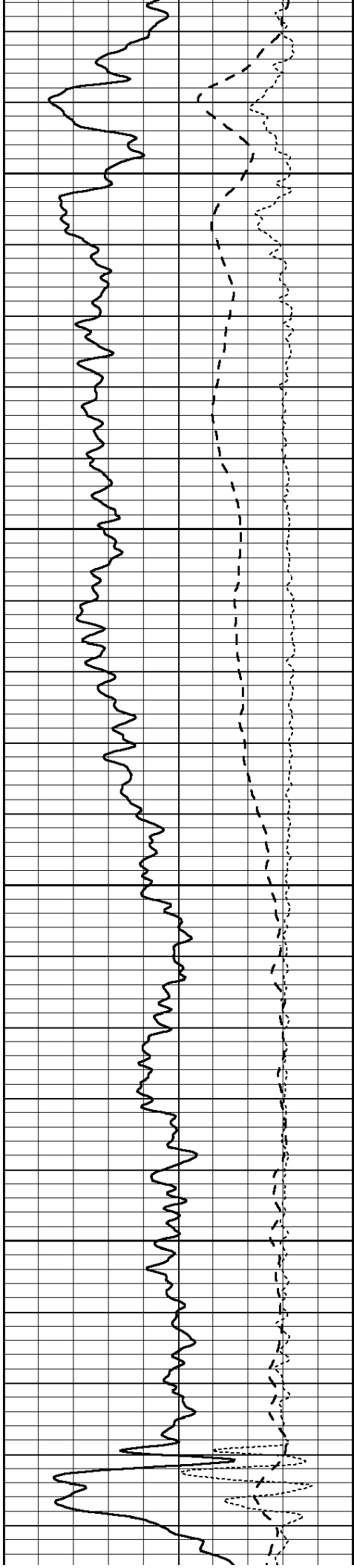
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4650

4700

4750



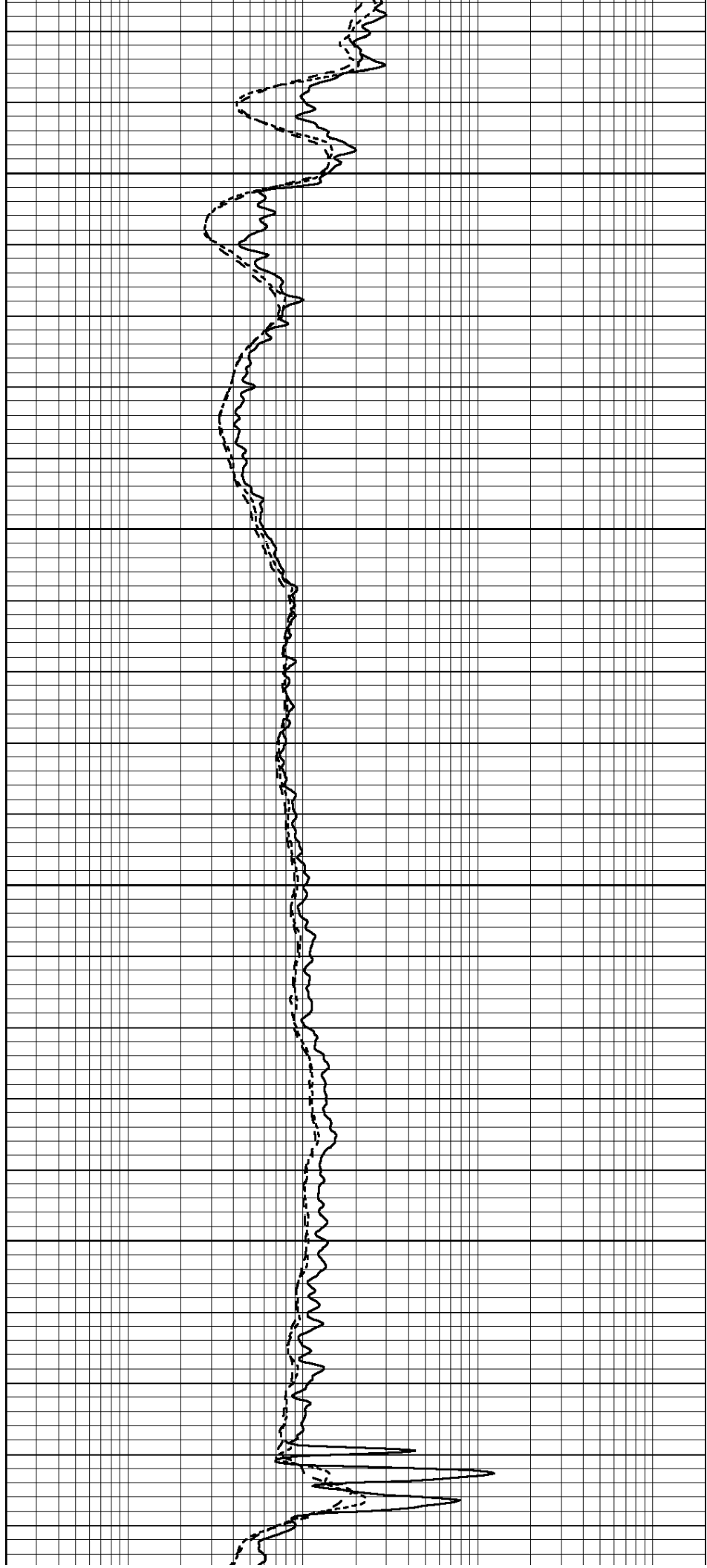


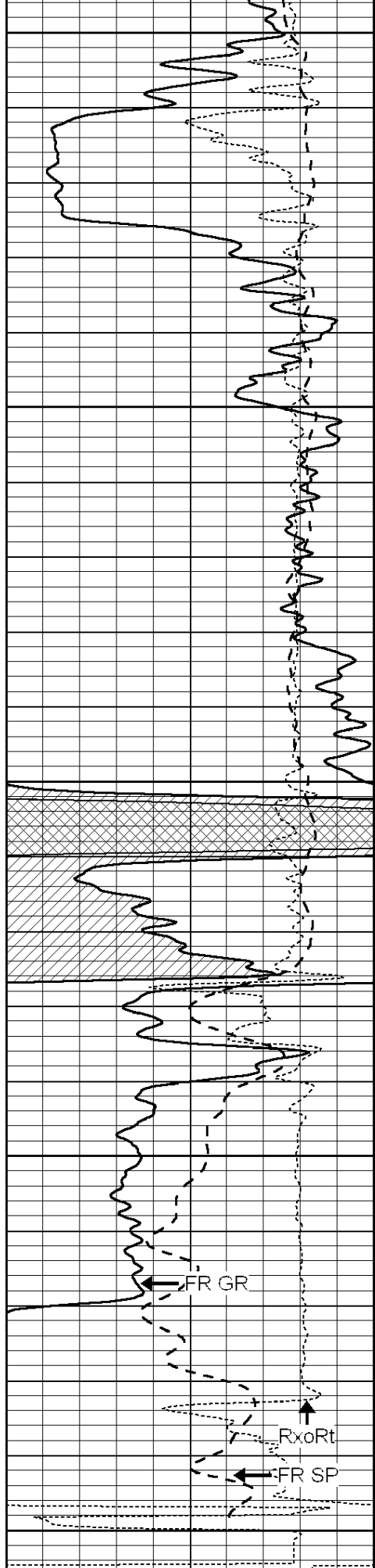
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4850

4900

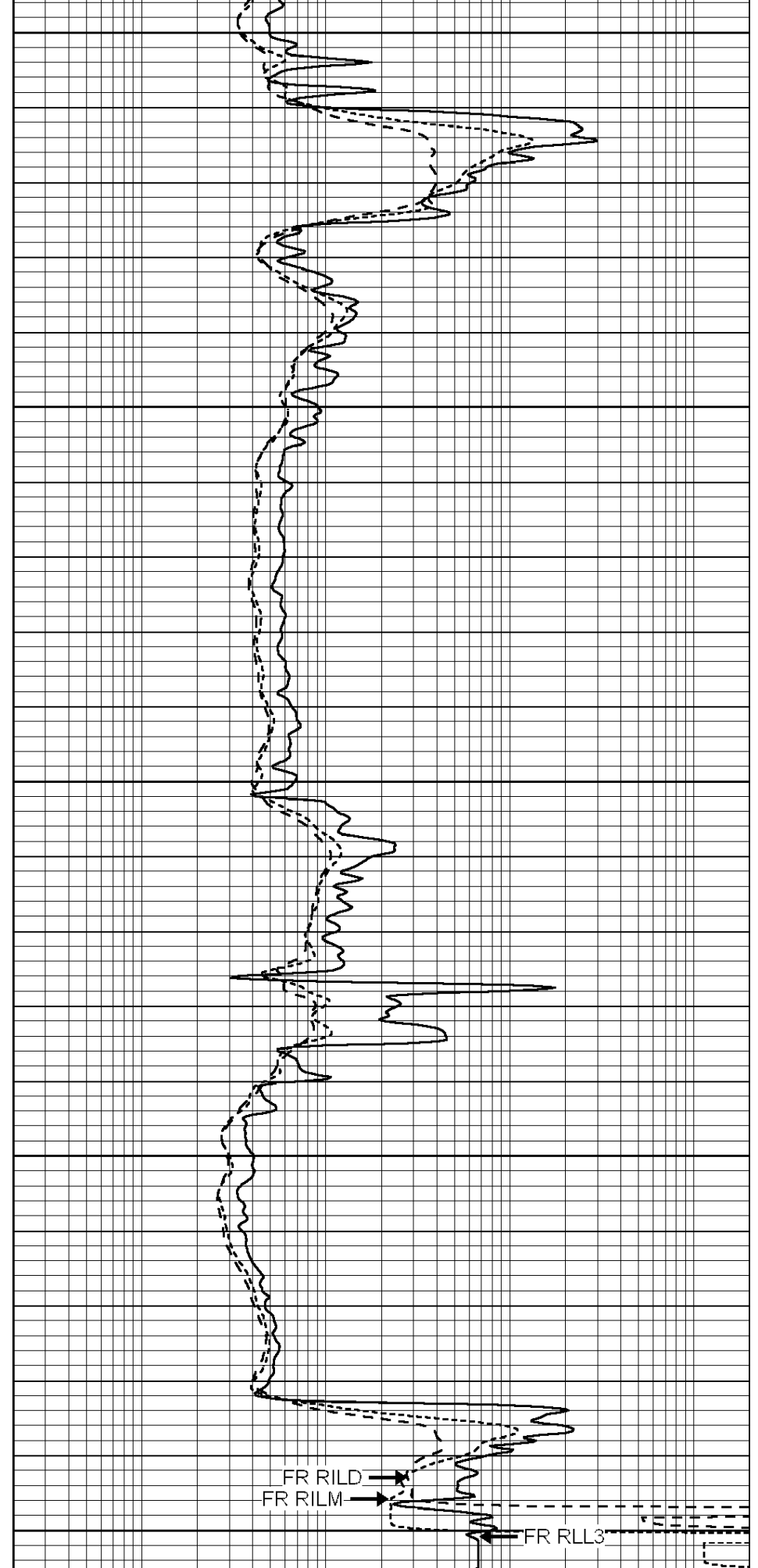
4950





5200  
LTD 5203

0 GAMMA RAY (GAPI) 150  
-100 SP (mV) 100



0.2 SHALLOW GUARD (Ohm-m) 2000  
0.2 MEDIUM INDUCTION (Ohm-m) 2000

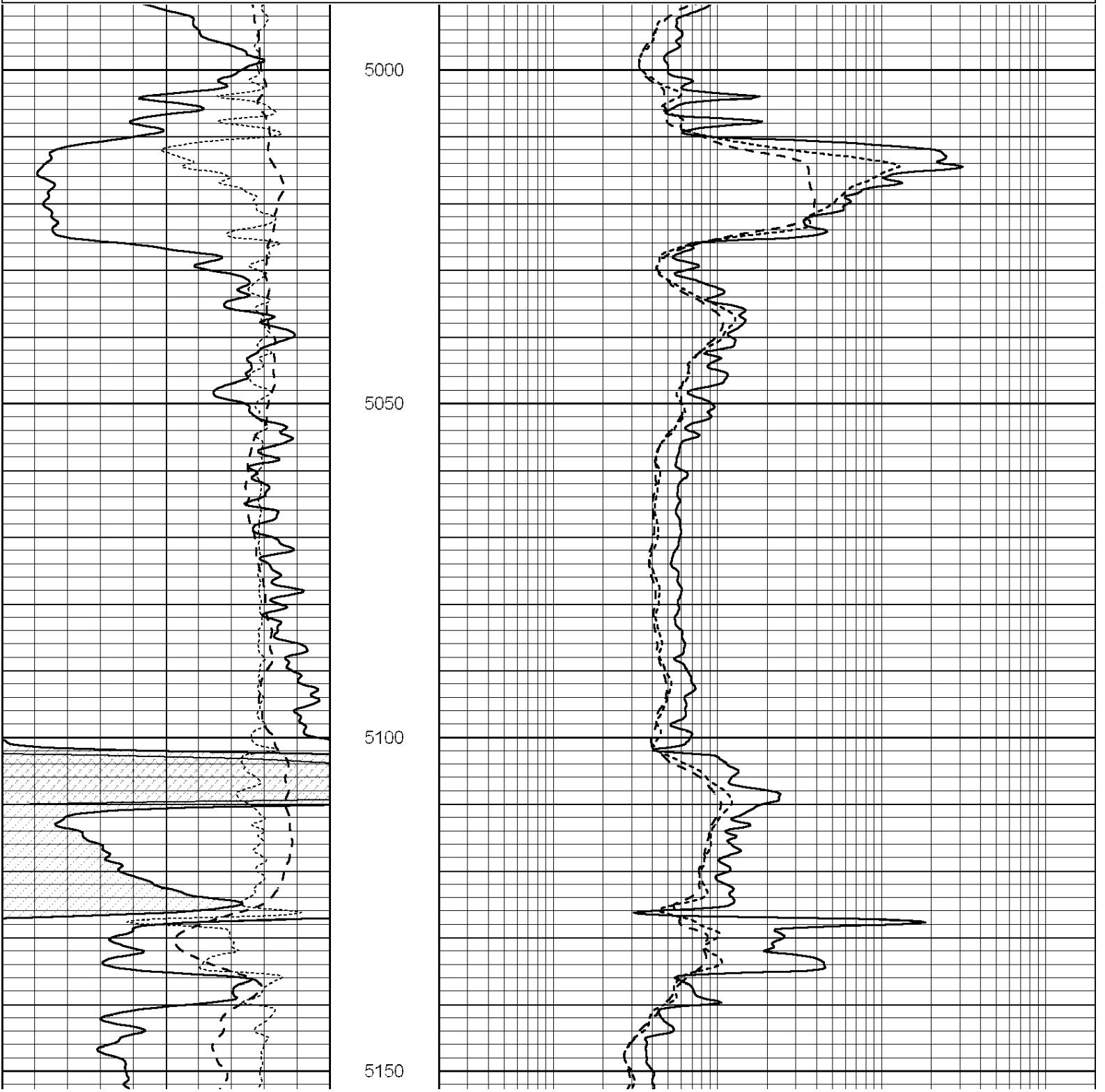
-250 Rxo/Rt 50

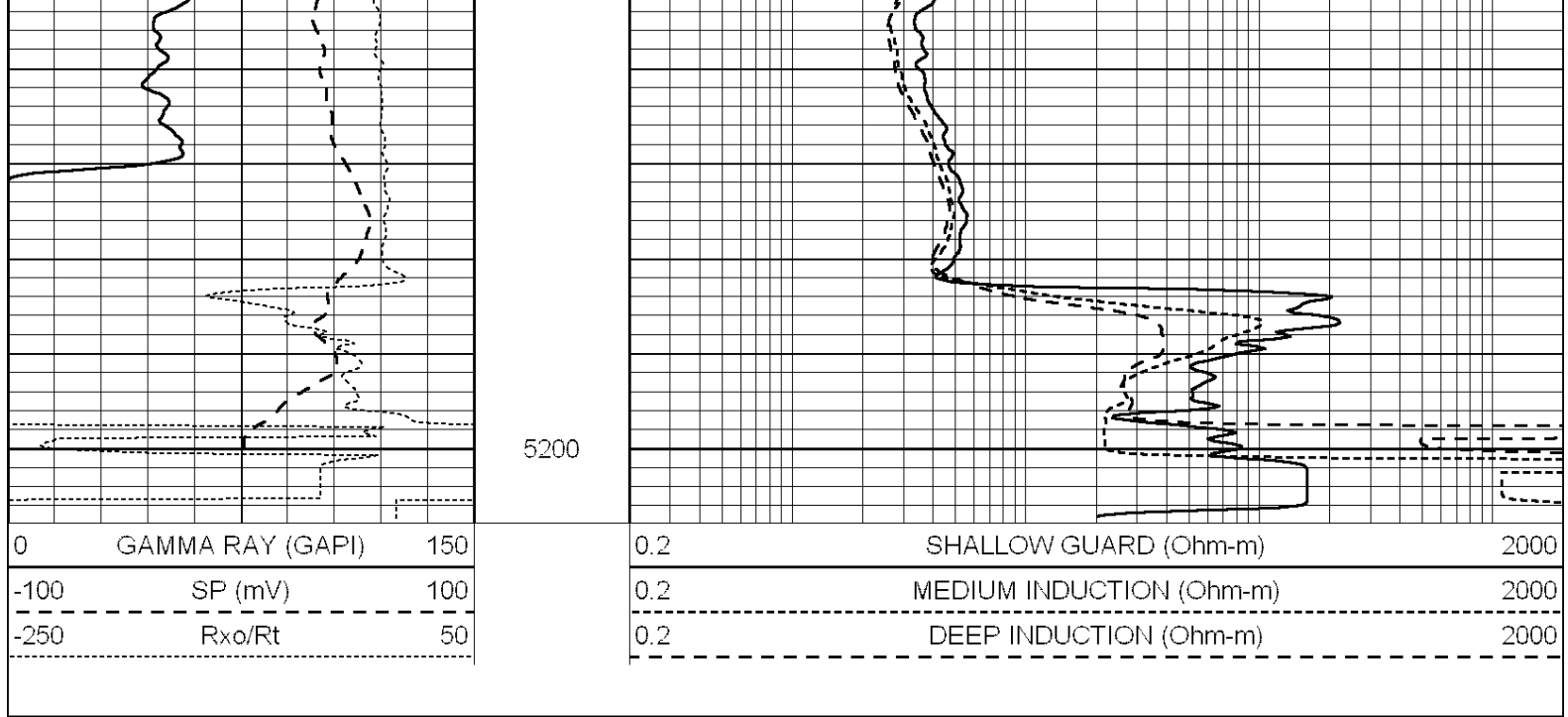
0.2 DEEP INDUCTION (Ohm-m) 2000

Database File: 005422pe.db  
Dataset Pathname: pass2.1  
Presentation Format: \_dil  
Dataset Creation: Thu Aug 05 11:56:25 2010 by Calc Open-Cased 090629  
Charted by: Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150  
-100 SP (mV) 100  
-250 Rxo/Rt 50

0.2 SHALLOW GUARD (Ohm-m) 2000  
0.2 MEDIUM INDUCTION (Ohm-m) 2000  
0.2 DEEP INDUCTION (Ohm-m) 2000





Calibration Report

Database File: 005422pe.db  
 Dataset Pathname: pass2.1  
 Dataset Creation: Thu Aug 05 11:56:25 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG  
 Surface Cal Performed: Fri Aug 01 06:33:19 2008  
 Downhole Cal Performed: Mon Jul 28 11:08:27 2008  
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

Surface Calibration

Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796	V	0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration

	Readings				References		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-6.500	V		3800.000	mmho-m		

After Survey Verification

	Readings				Targets		Results	
	Zero	Cal			Zero	Cal	m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		



1.000	Ohm-m	1.000	Ohm-m
0.000	Ohm-m	0.000	Ohm-m
1.000	mmho-m	1.000	mmho-m

Litho Density Calibration Report  
 Serial: 002    Model: PRB  
 Performed Mon Oct 29 15:40:49 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1056.3	9118.0	2809.7	10378.4	cps
Window 2	969.9	7671.9	2431.6	8565.8	cps
Window 3	683.8	2939.8	1161.0	3161.8	cps
Window 4	231.4	231.6	226.7	230.8	cps
Long Space	0.0	6702.0	1461.7	7595.9	cps
Short Space	1.2	1433.6	959.4	1568.6	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.2	Rib Slope	: 1.008	Density/Spine Ratio	: 0.559
Spine Angle	: 75.2	Spine Slope	: 3.791	Spine Intercept	: -18.7

Caliper

	Readings	Reference	
Low Ref	3.1	8.0	
High Ref	5.4	14.0	
	Gain: 2.5		Offset: 1.3

Compensated Neutron Calibration Report

Serial Number:    5I  
 Tool Model:        G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	1.00    cps	1.00    cps	1.0000
Long Space	1.00    cps	1.00    cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR6
Tool Model:	OPEN
Performed:	Wed Jul 14 14:14:30 2010
Calibrator Value:	150.0    GAPI
Background Reading:	0.0        cps
Calibrator Reading:	276.0     cps
Sensitivity:	0.5335    GAPI/cps



**SUPERIOR**  
Hays,  
Kansas

**MICRO**  
LOG

Company LOTUS OPERATING CO., LLC.  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER  
State KANSAS

Company LOTUS OPERATING COMPANY, LLC  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER State KANSAS

Location: API # : 15-007-23565-0000  
900' FNL & 600' FWL  
SEC 2 TWP 35S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1391  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
DIL/SON  
Elevation  
K.B. 1404  
D.F. 1402  
G.L. 1391

Date	8-5-10
Run Number	TWO
Depth Driller	5200
Depth Logger	5203
Bottom Logged Interval	5185
Top Log Interval	3700
Casing Driller	10 3/4" @ 260'
Casing Logger	260
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/46
pH / Fluid Loss	10.0/10.4
Source of Sample	FLOWLINE
Rin @ Meas. Temp	.70 @ 97F
Rmf @ Meas. Temp	.52 @ 97
Rmc @ Meas. Temp	.84 @ 97F
Source of Rmf / Rmc	MEASURED
Rin @ BHT	.53 @ 126F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	126F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JASON CAPPELLUCCI
Witnessed By	TIM HELLMAN

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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

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE KS. - S. TO MM 8 (RATTLESNAKE TRAIL) - 1 W. - 1 S.  
1 W. - S. INTO

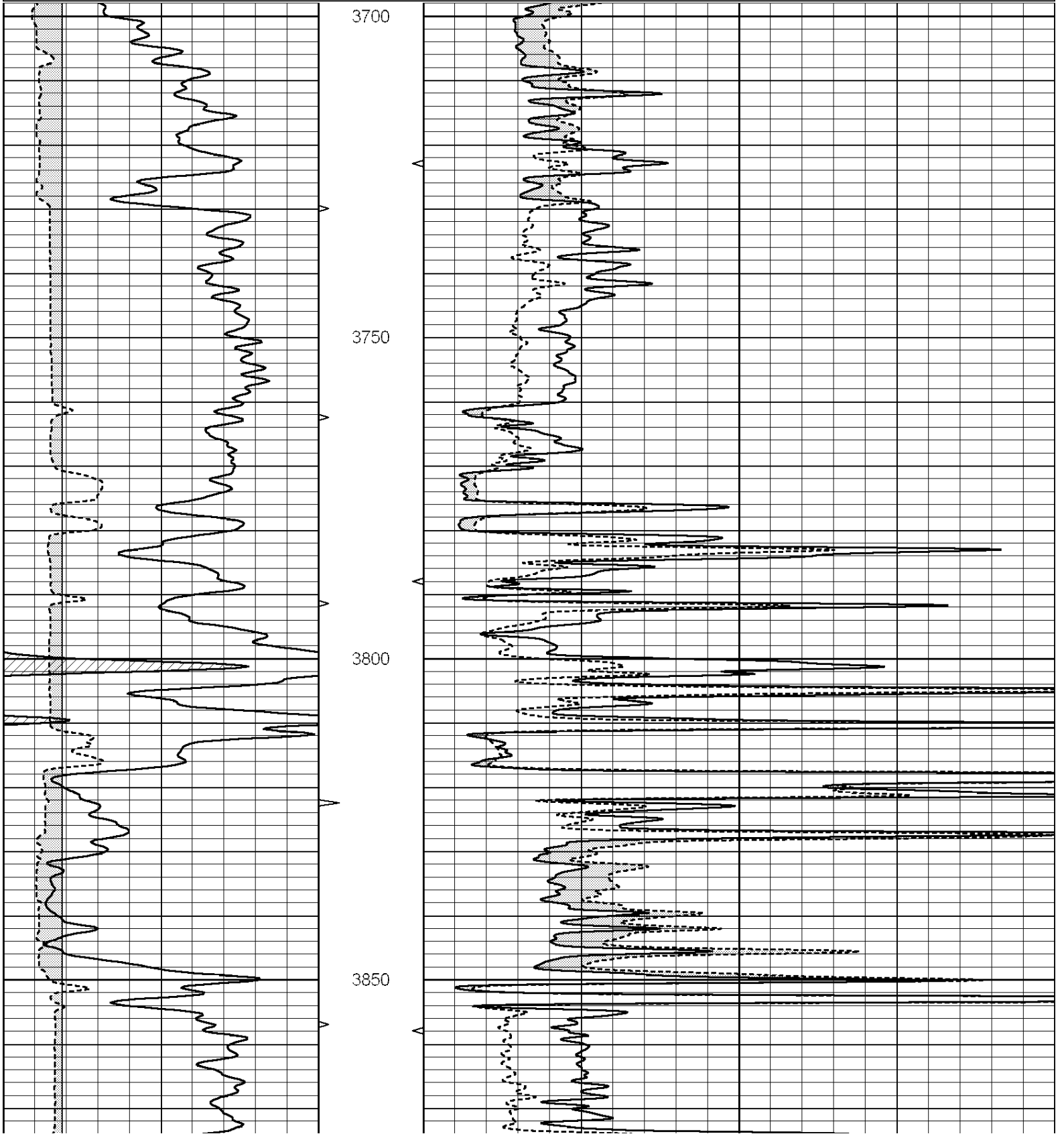


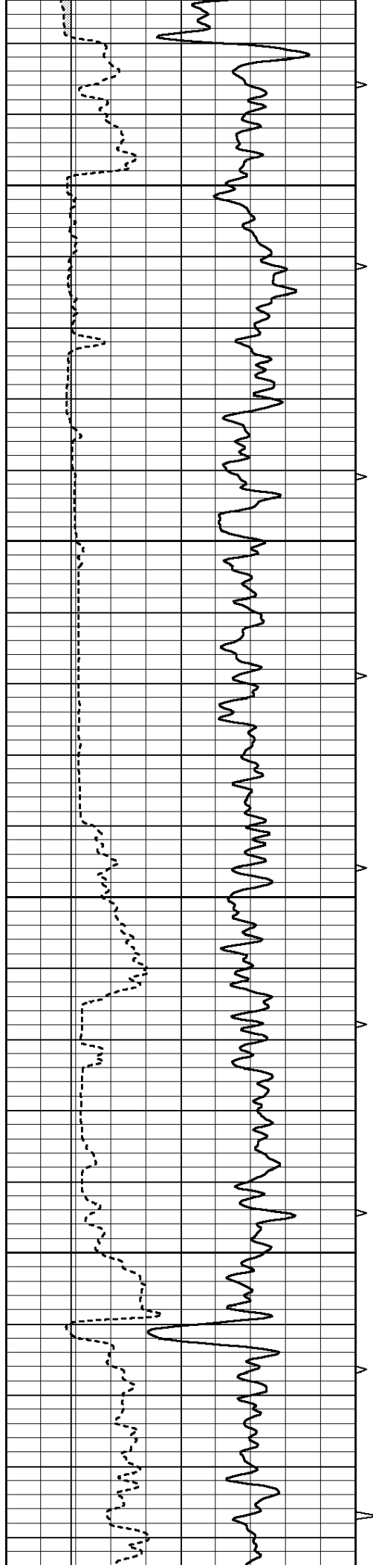
**SUPERIOR**  
Hays,  
Kansas

**MAIN SECTION**

Database File: 005422pe.db  
 Dataset Pathname: pass6.1  
 Presentation Format: \_micro  
 Dataset Creation: Thu Aug 05 14:59:15 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		



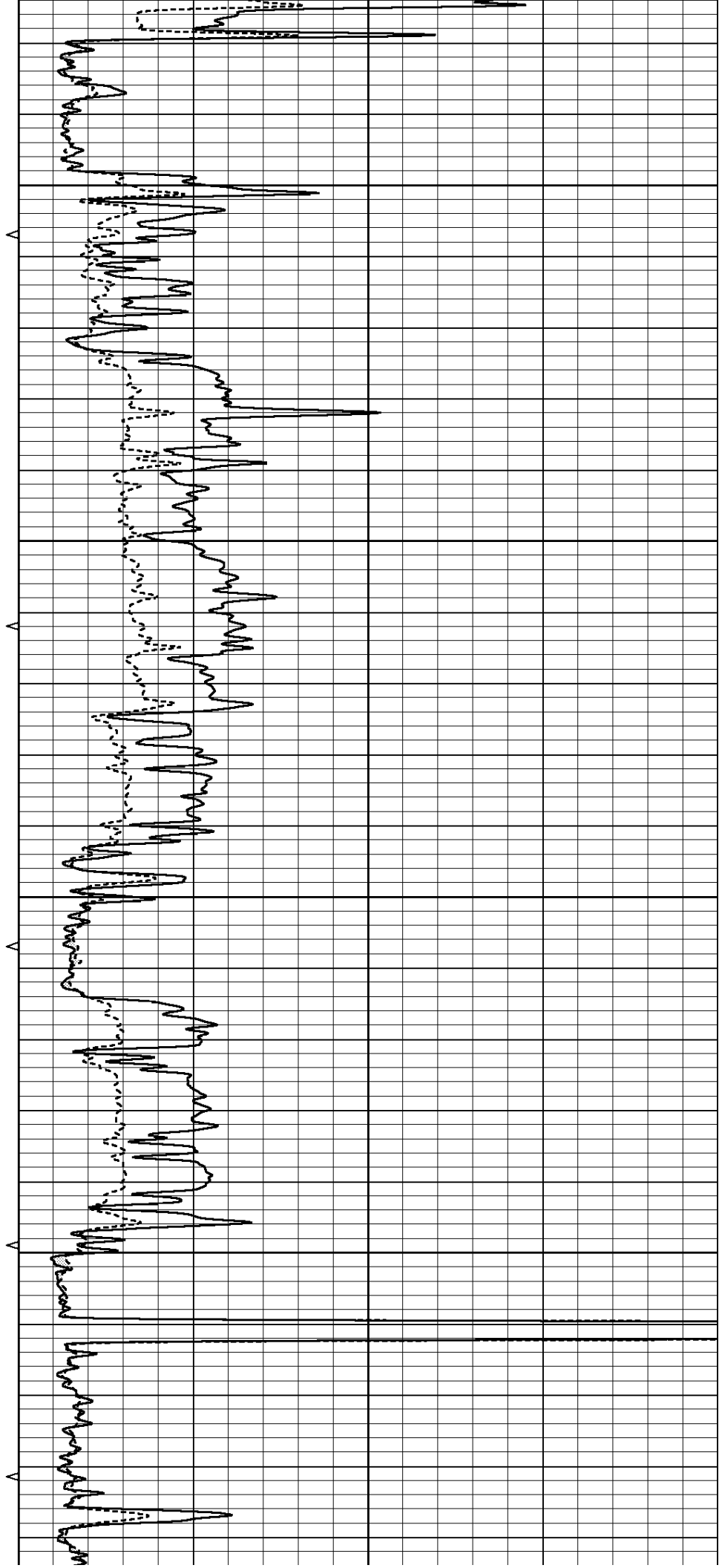


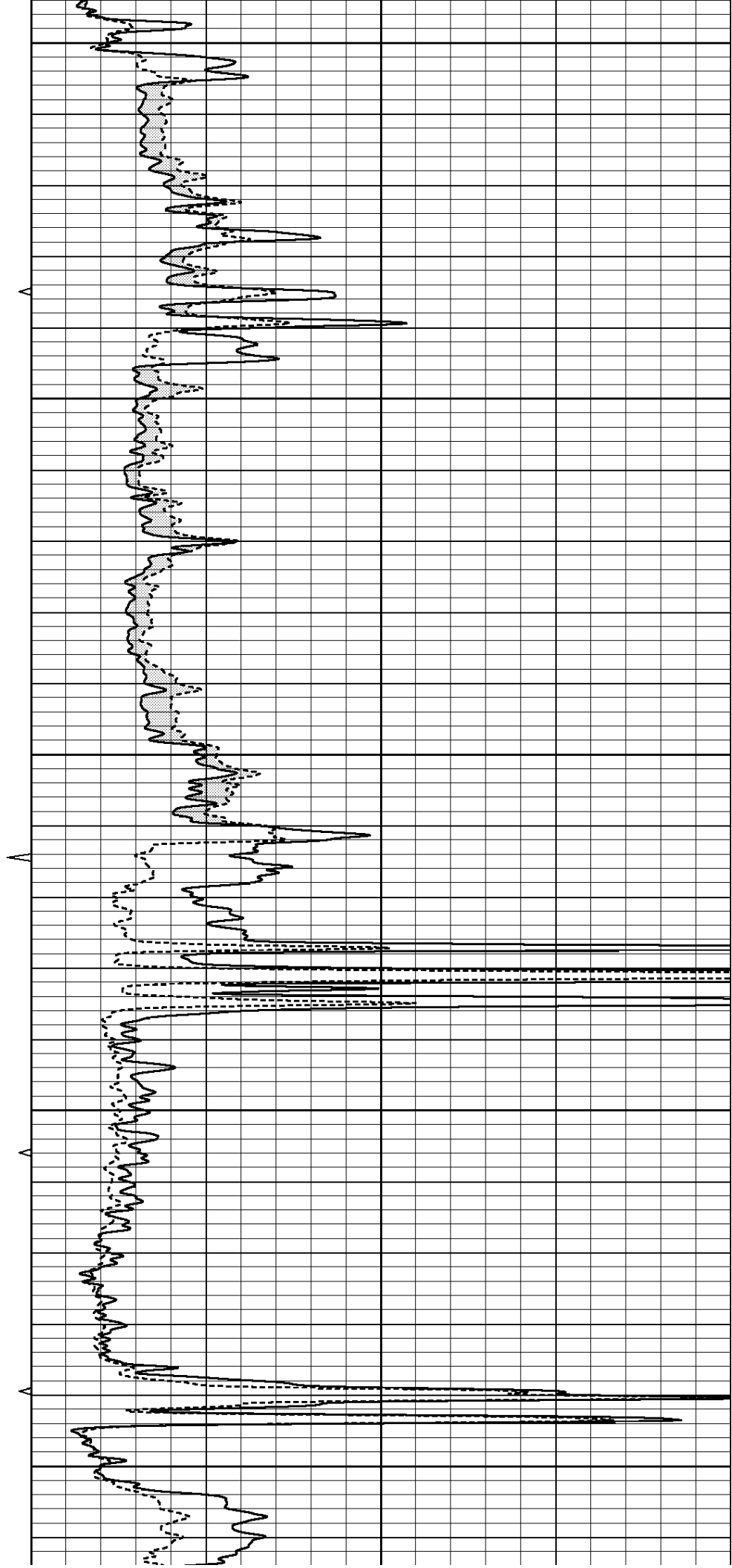
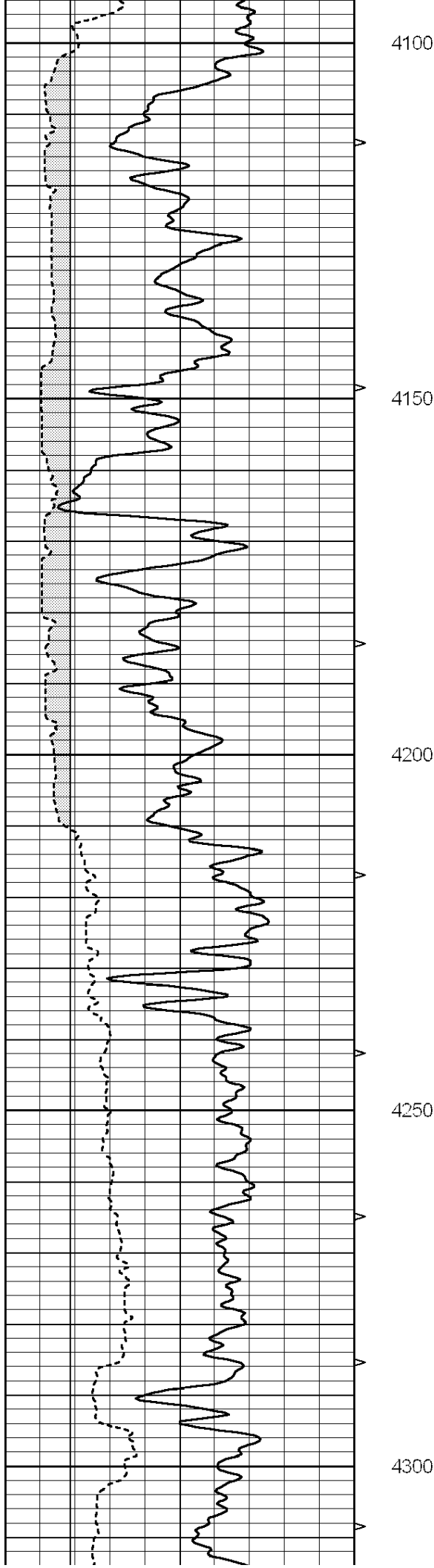
3900

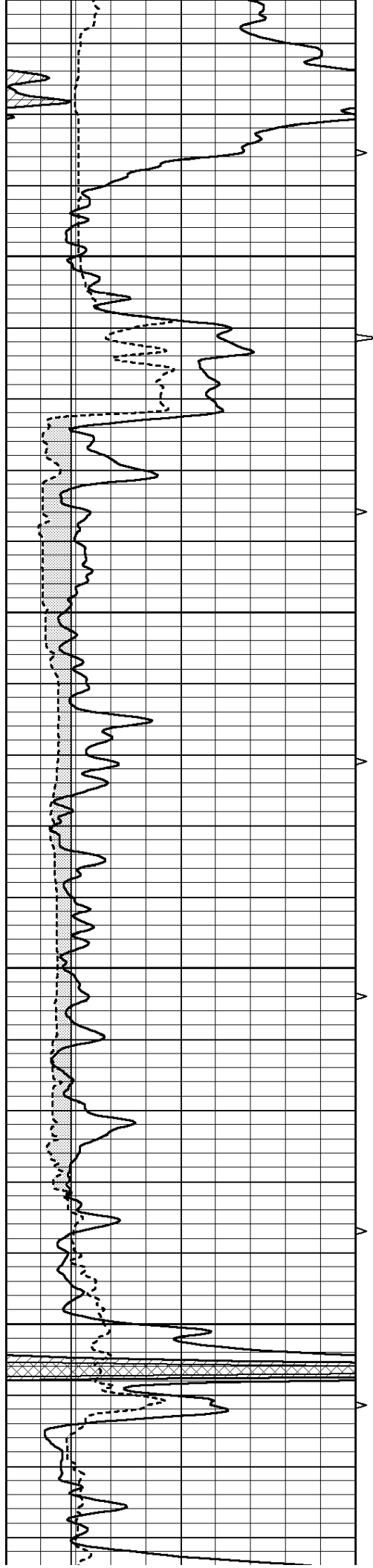
3950

4000

4050





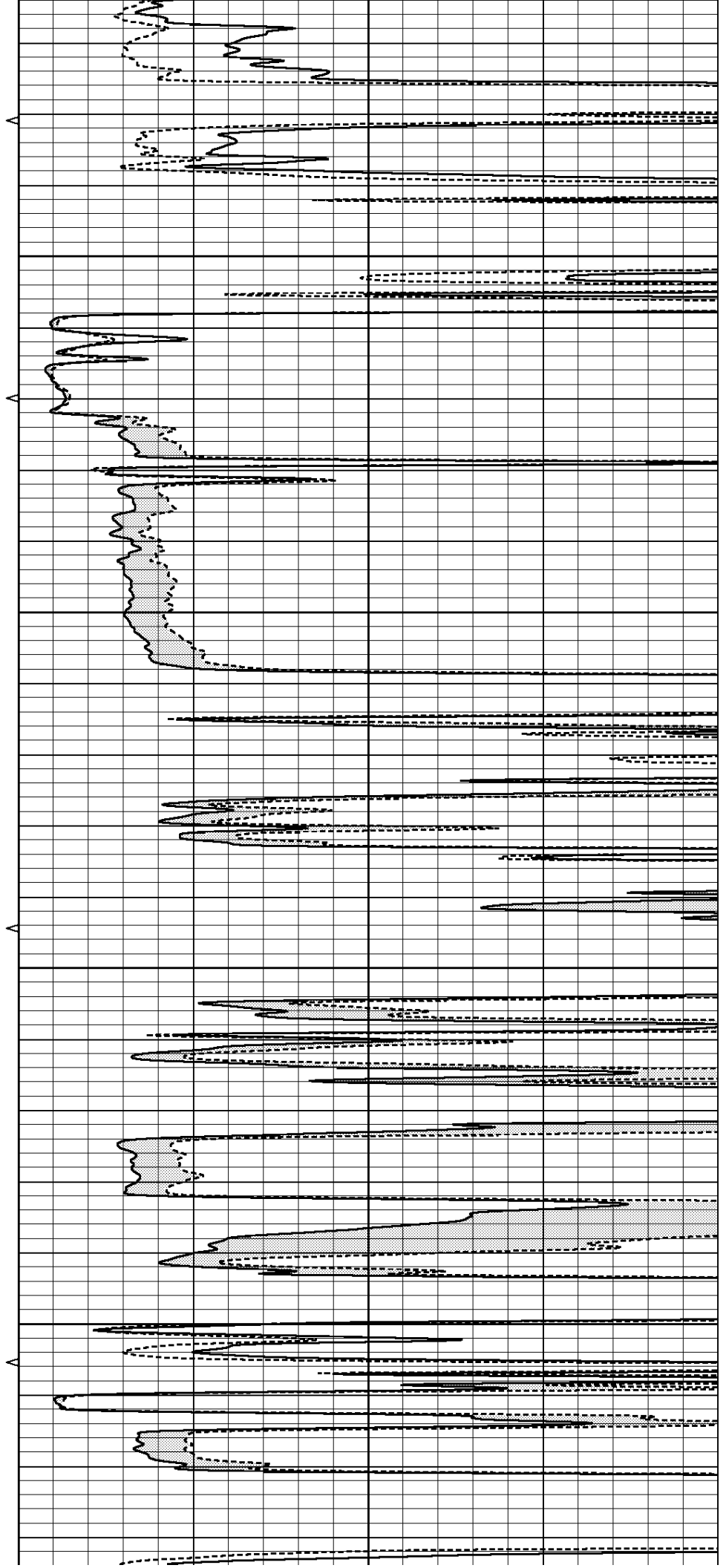


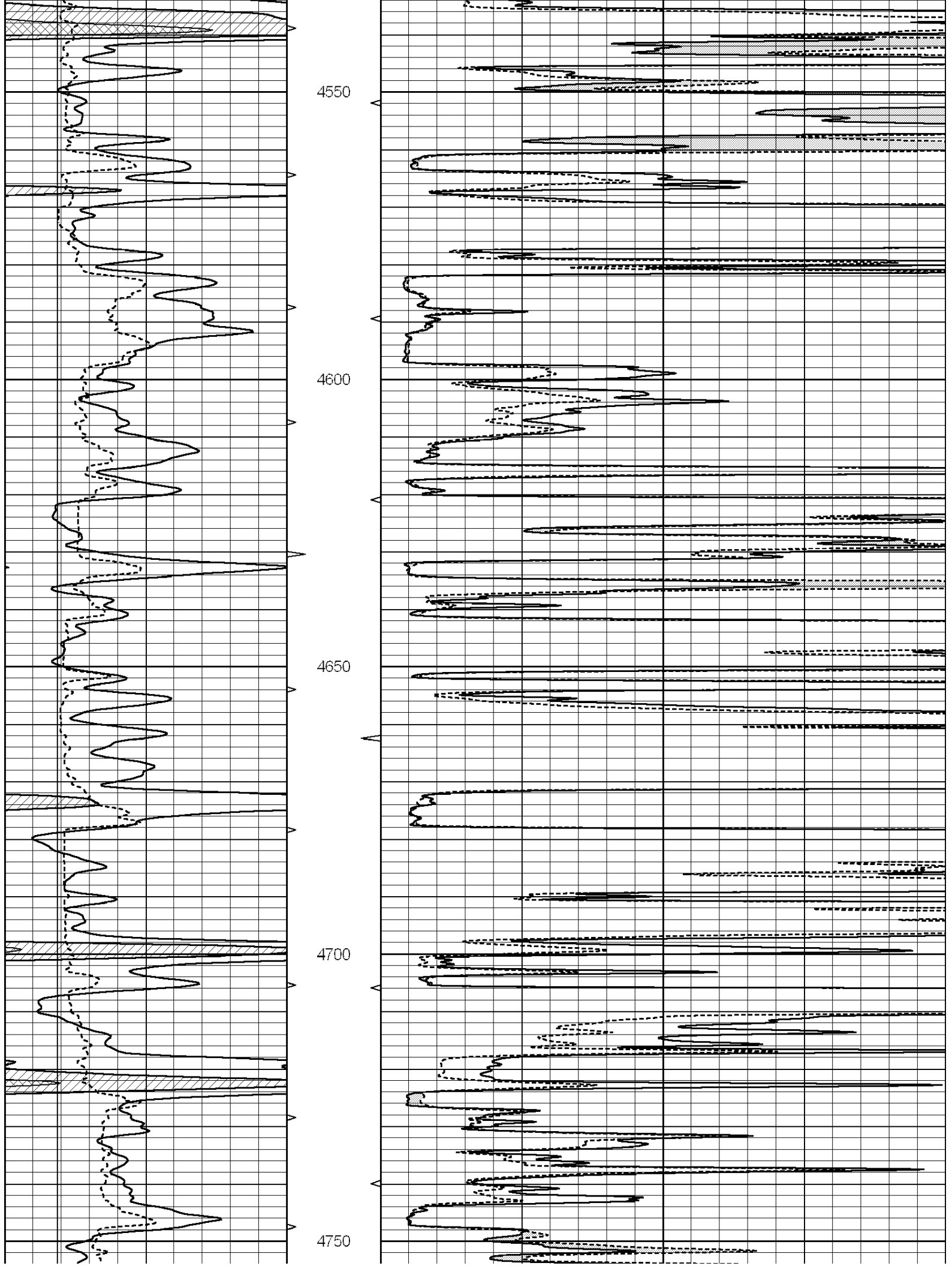
4350

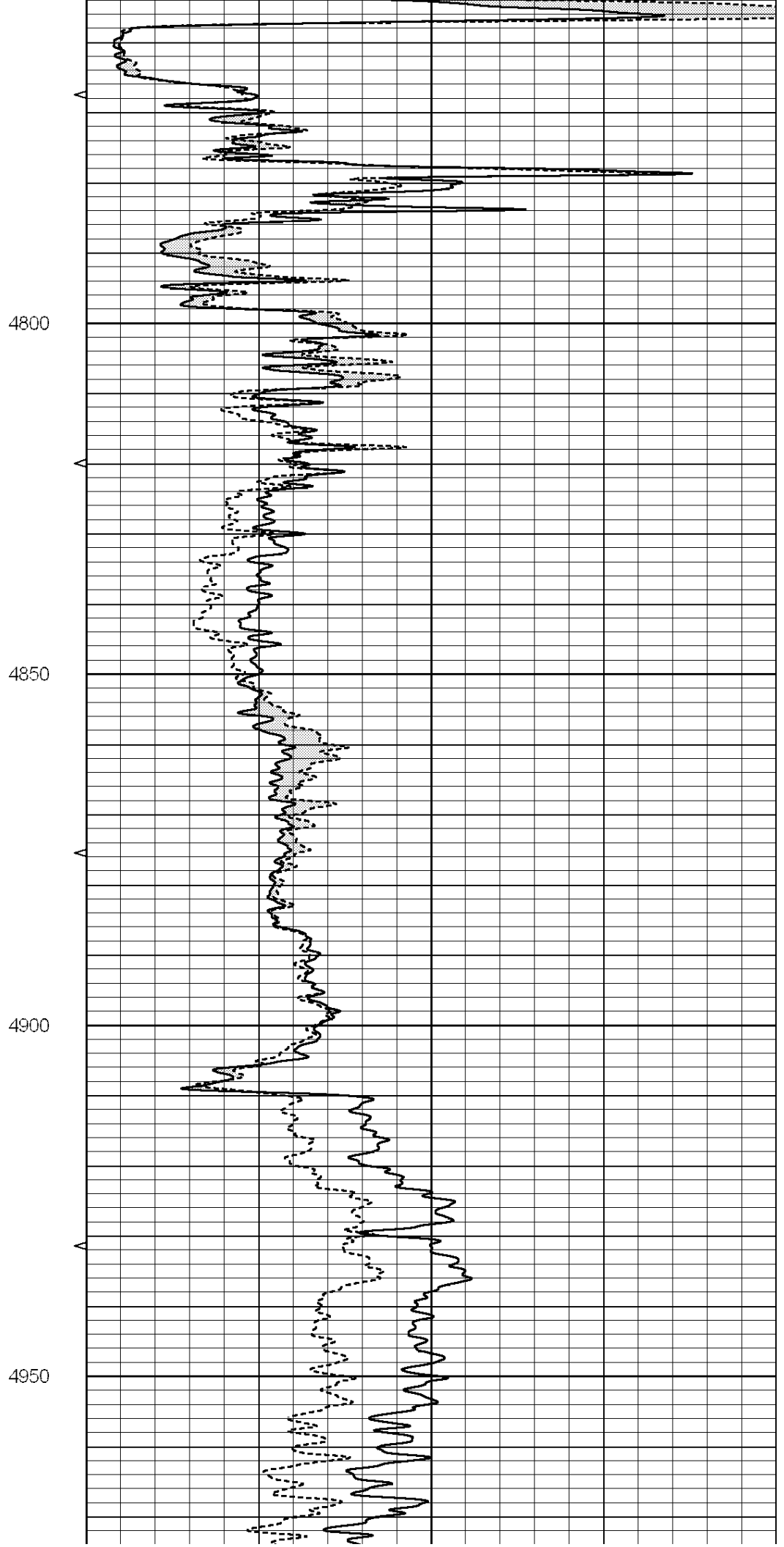
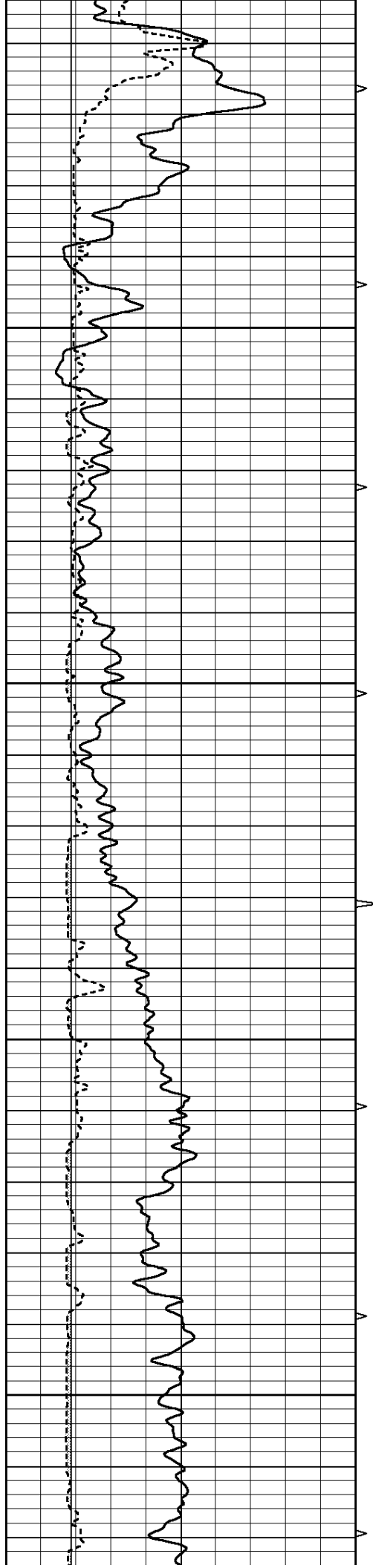
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4450

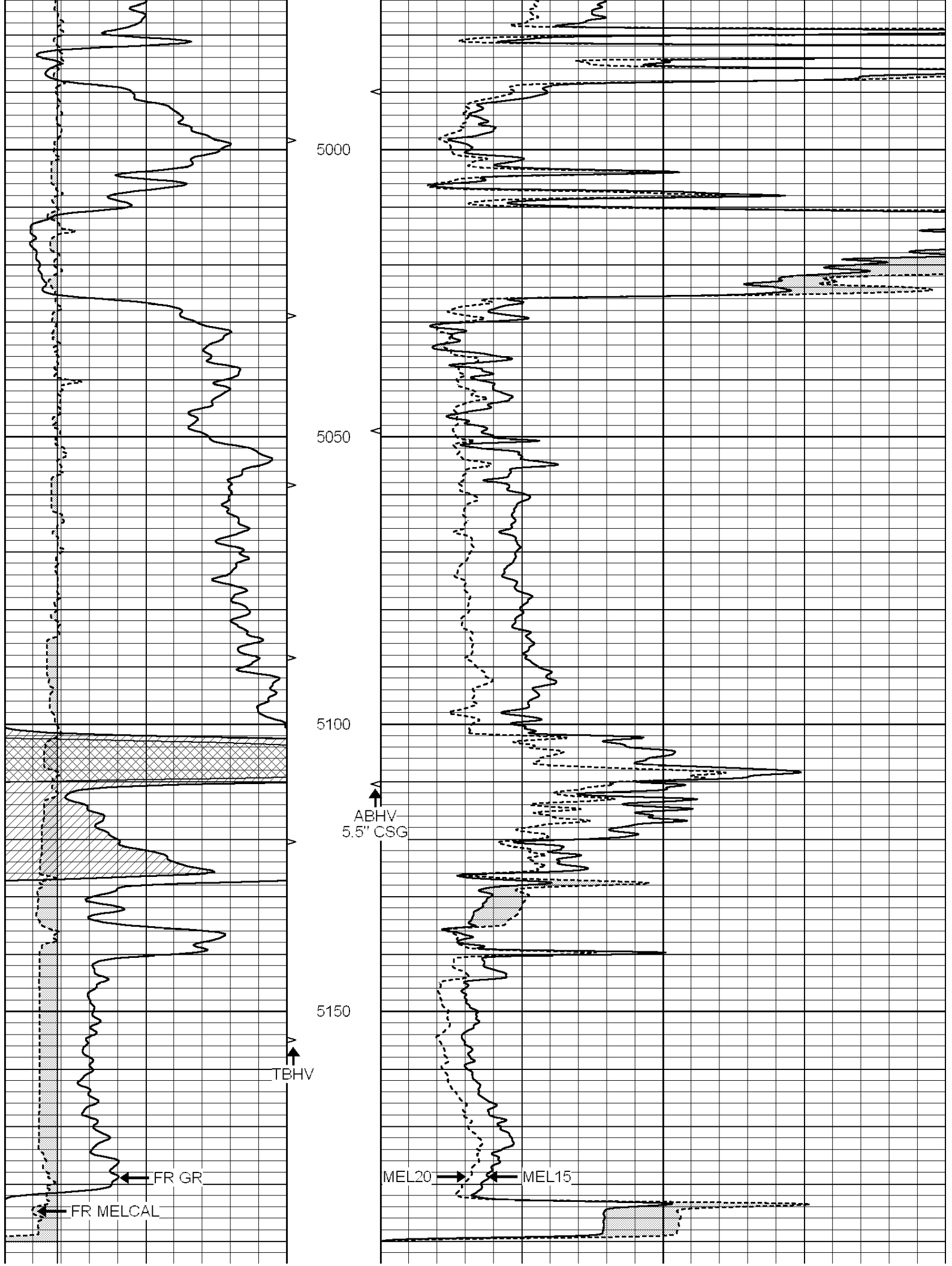
4500











5200  
LTD 5203

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		

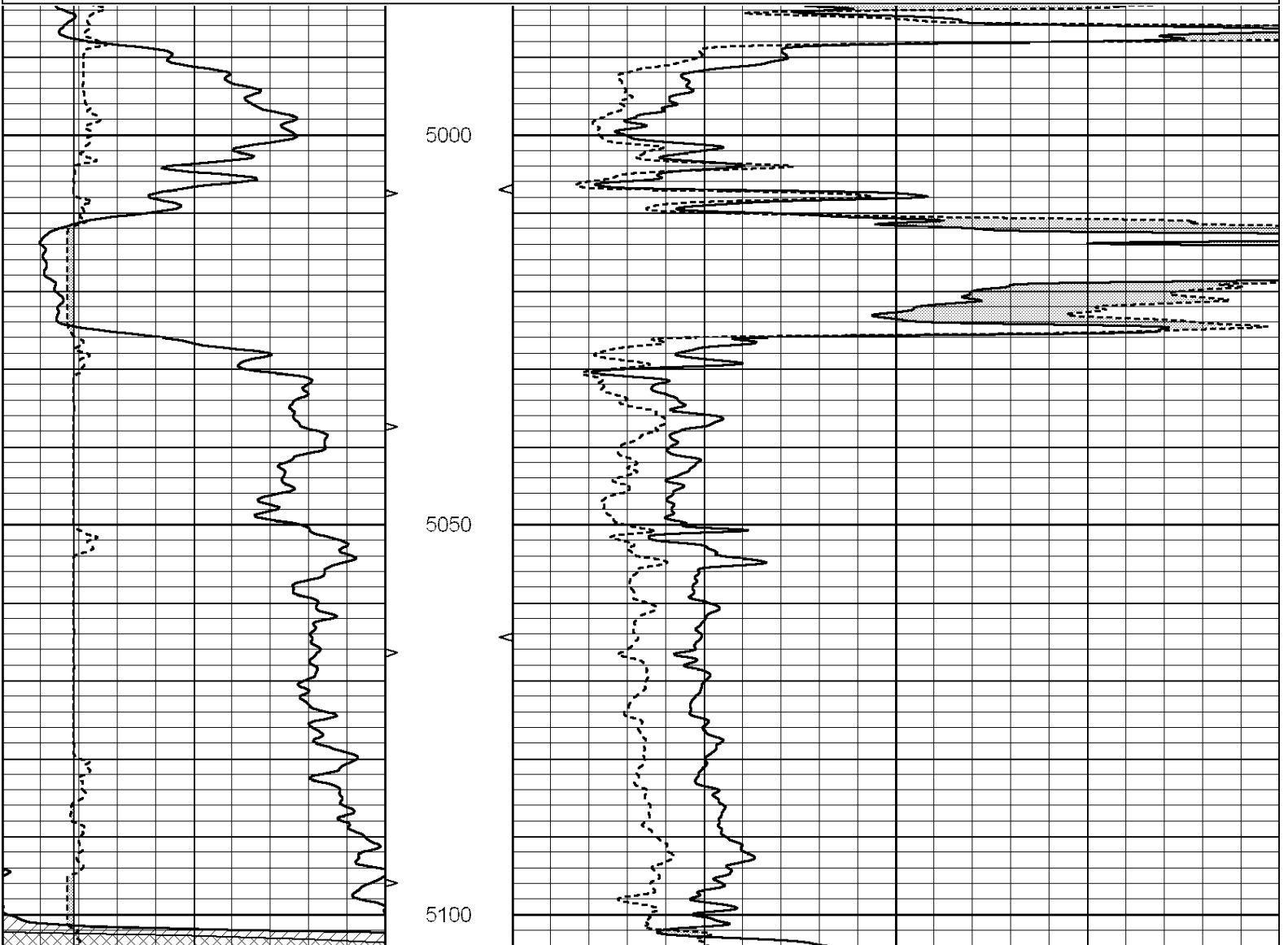


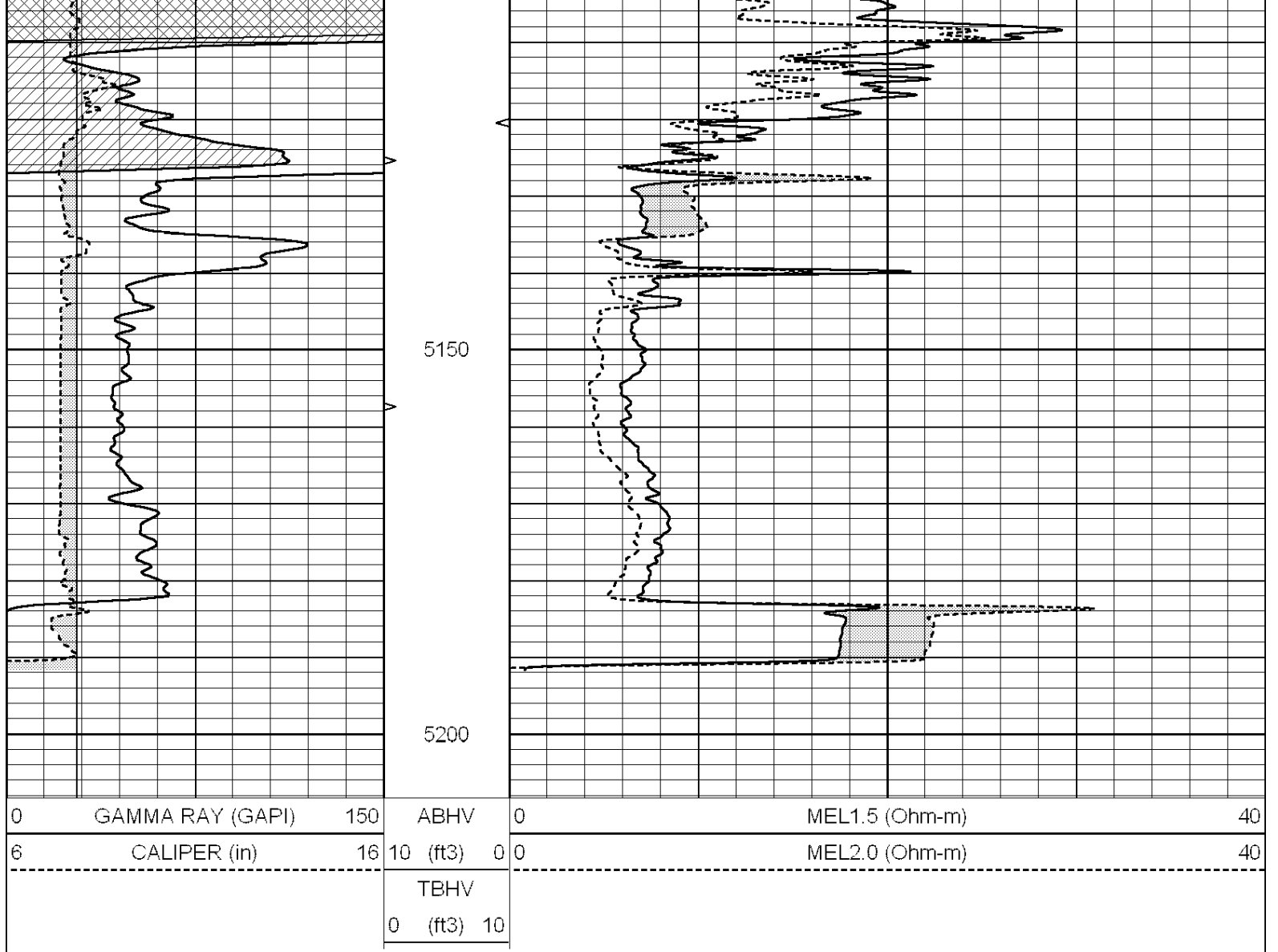
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 005422pe.db  
 Dataset Pathname: pass5.4  
 Presentation Format: \_micro  
 Dataset Creation: Thu Aug 05 15:06:18 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)	10		





### Calibration Report

Database File: 005422pe.db  
 Dataset Pathname: pass5.4  
 Dataset Creation: Thu Aug 05 15:06:18 2010 by Calc Open-Cased 090629

### MICRO Calibration Report

Serial Number:	MICRO3	
Tool Model:	PROBE	
Performed:	Wed Jul 14 14:33:38 2010	
Caliper Calibration:	Gain=3.855	Offset=-8.039
References	Low Cal	High Cal
Readings	8.000	14.000
	4.005	5.562
1.5" Calibration:	Gain=150.000	Offset=0.800
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.223
2" Calibration:	Gain=150.000	Offset=-0.400
References	Low Cal	High Cal
Readings	0.000	20.000
	0.009	0.177

Gamma Ray Calibration Report

Serial Number:	GR6	
Tool Model:	OPEN	
Performed:	Wed Jul 14 14:14:30 2010	
Calibrator Value:	150.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5335	GAPI/cps



**SUPERIOR**  
Hays,  
Kansas

**COMPENSATED**  
**NEUTRON/DENSITY**  
**PE LOG**

Company LOTUS OPERATING CO., LLC.  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER  
State KANSAS

Company LOTUS OPERATING COMPANY, LLC  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER State KANSAS

Location: API # : 15-007-23565-0000

Other Services

SEC 2 TWP 35S RGE 12W  
900' FNL & 600' FWL

DIL  
MEL/SON

Permanent Datum GROUND LEVEL Elevation 1391  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING

Elevation  
K.B. 1404  
D.F. 1402  
G.L. 1391

Date	8-5-10		
Run Number	ONE		
Depth Driller	5200		
Depth Logger	5203		
Bottom Logged Interval	5179		
Top Log Interval	3700		
Casing Driller	10 3/4" @ 260'		
Casing Logger	260		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 5000 PPM	
Density / Viscosity	9.4/46		
pH / Fluid Loss	10.0/10.4		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.70 @ 97F		
Rmf @ Meas. Temp	.52 @ 97		
Rmc @ Meas. Temp	.84 @ 97F		
Source of Rmf / Rmc	MEASURED		
Rin @ BHT	.53 @ 126F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	126F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	TIM HELLMAN		

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**Comments**

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE KS. - S. TO MM 8 (RATTLESNAKE TRAIL) - 1 W. - 1 S.  
1 W. - S. INTO

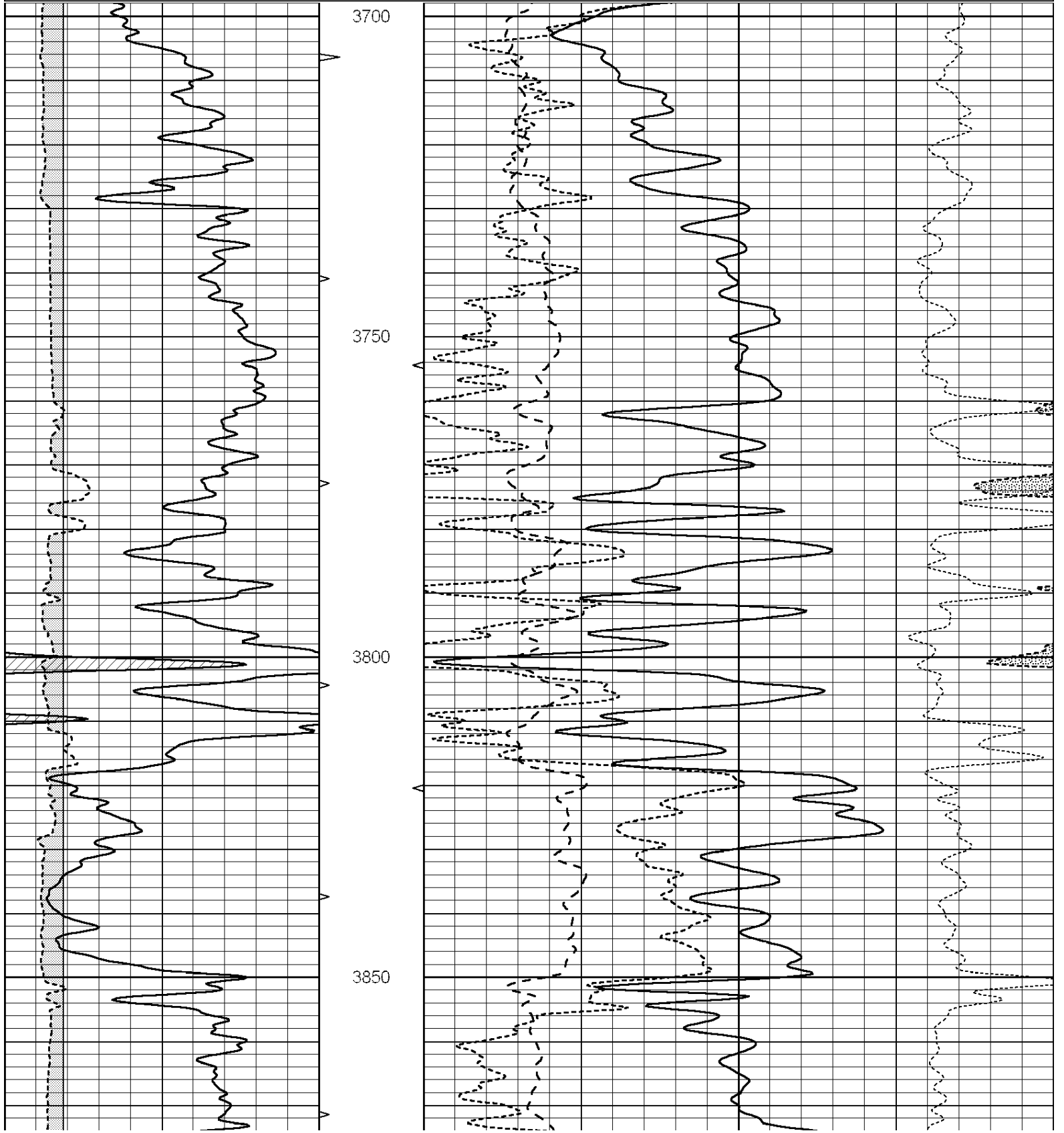


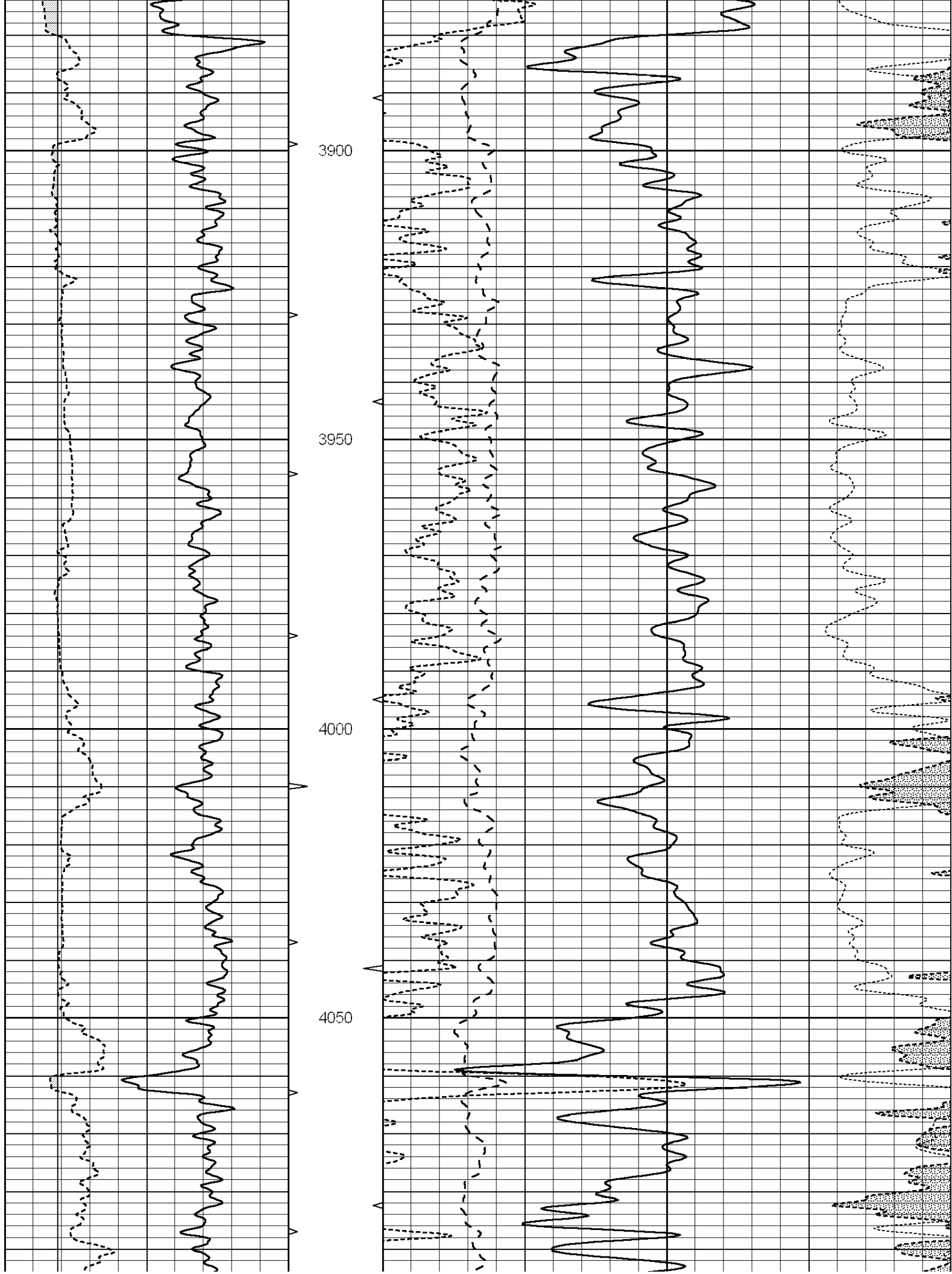
**SUPERIOR**  
Hays,  
Kansas

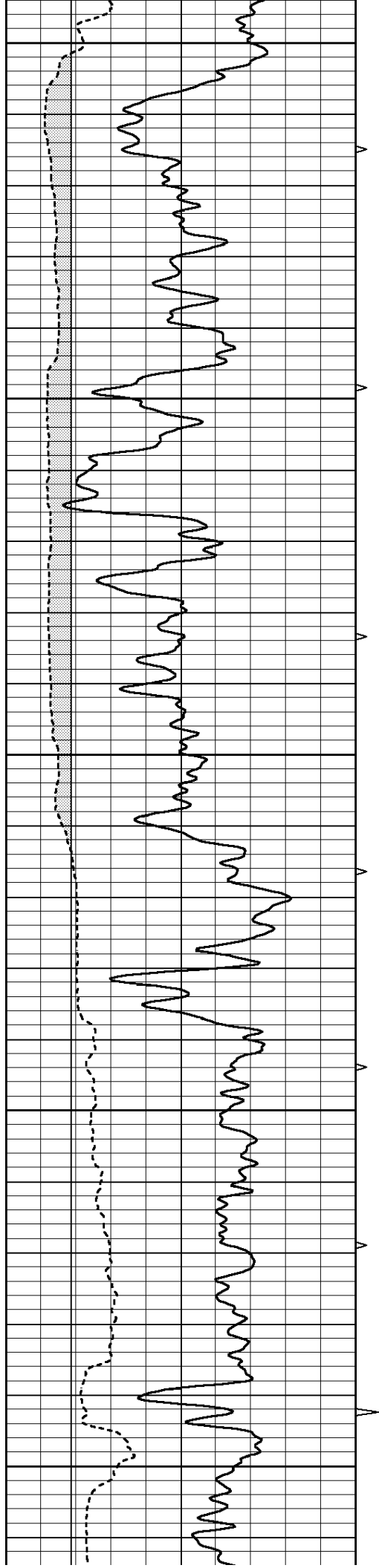
**MAIN SECTION**

Database File: 005422pe.db  
 Dataset Pathname: pass3.1  
 Presentation Format: \_ldt\_neu  
 Dataset Creation: Thu Aug 05 11:54:17 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

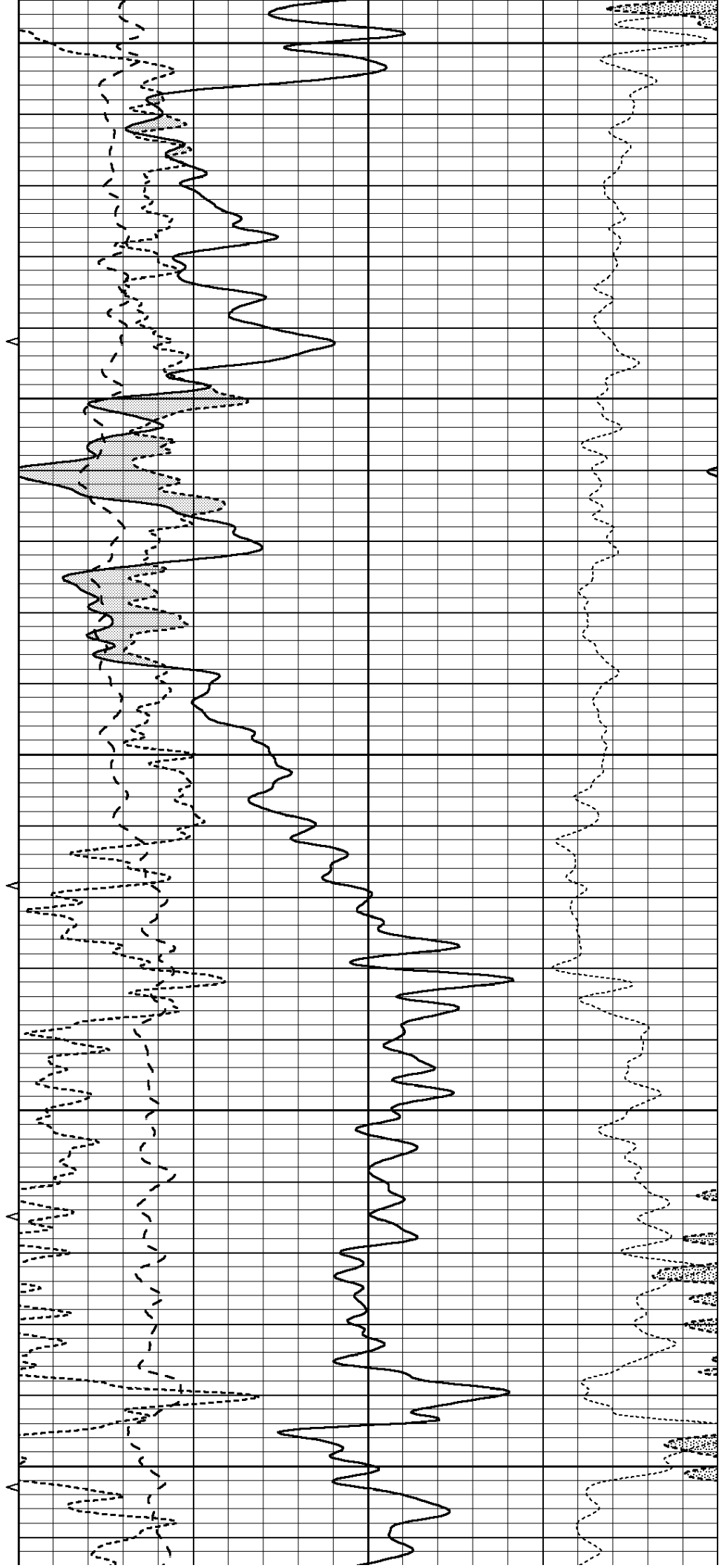
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10			
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10		
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10					



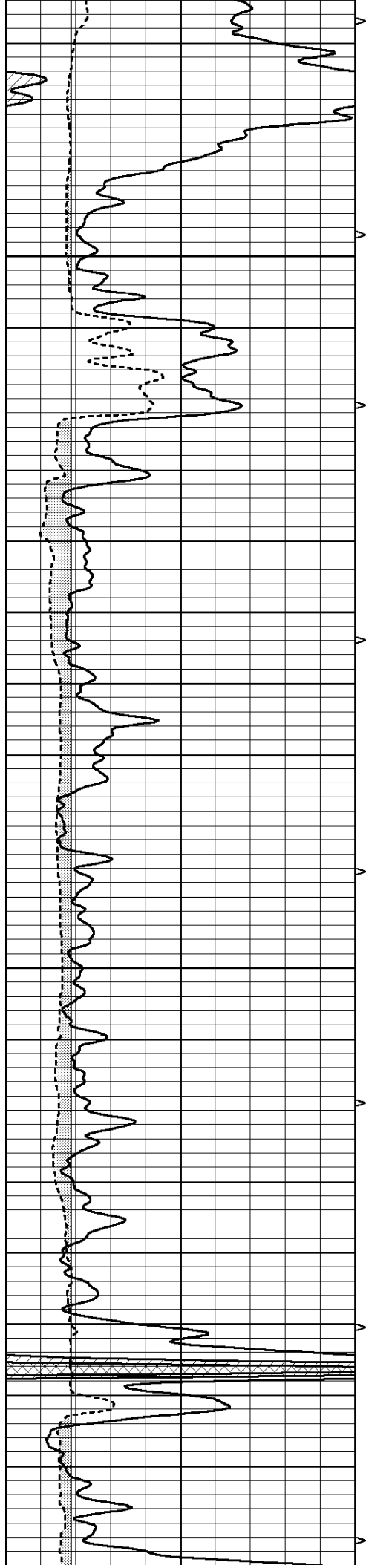




4100  
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4200  
4250  
4300





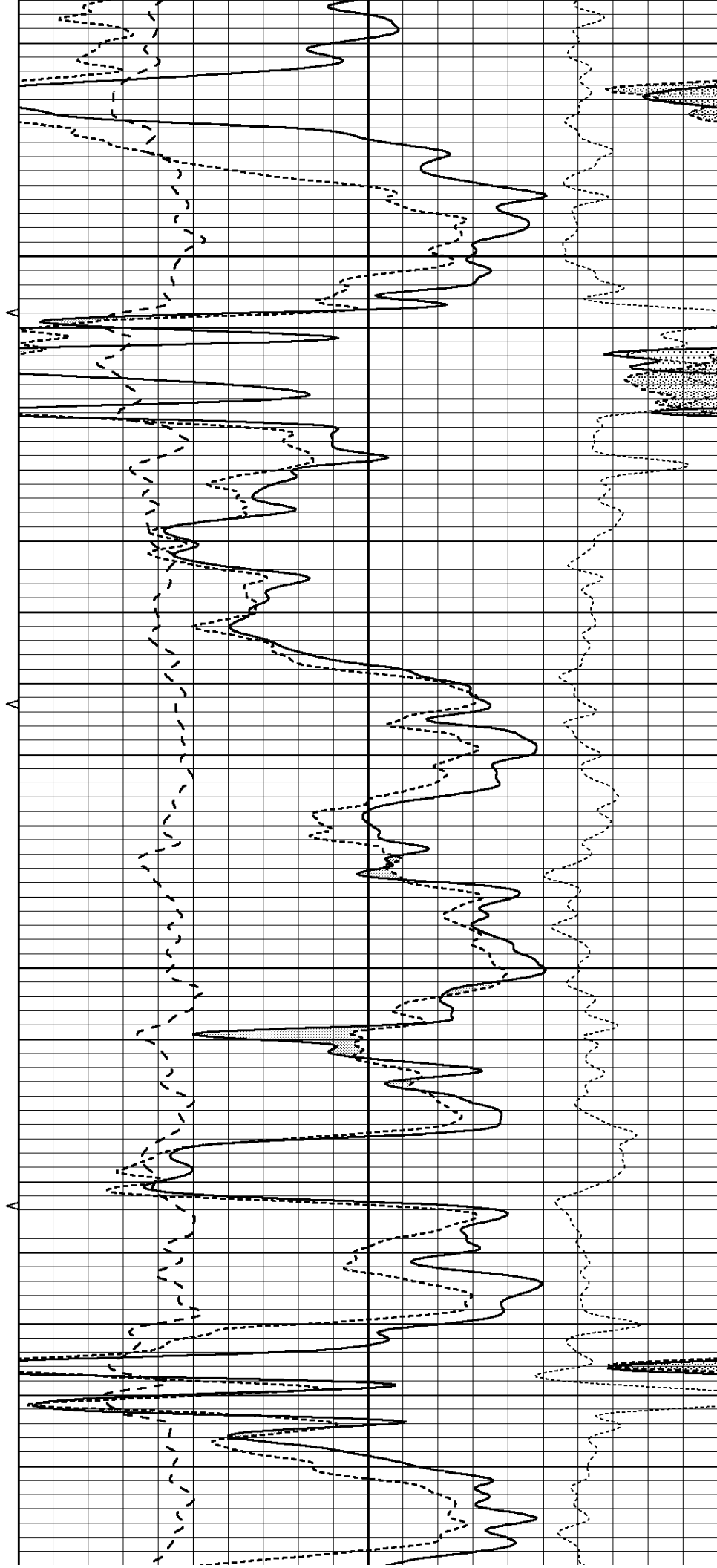


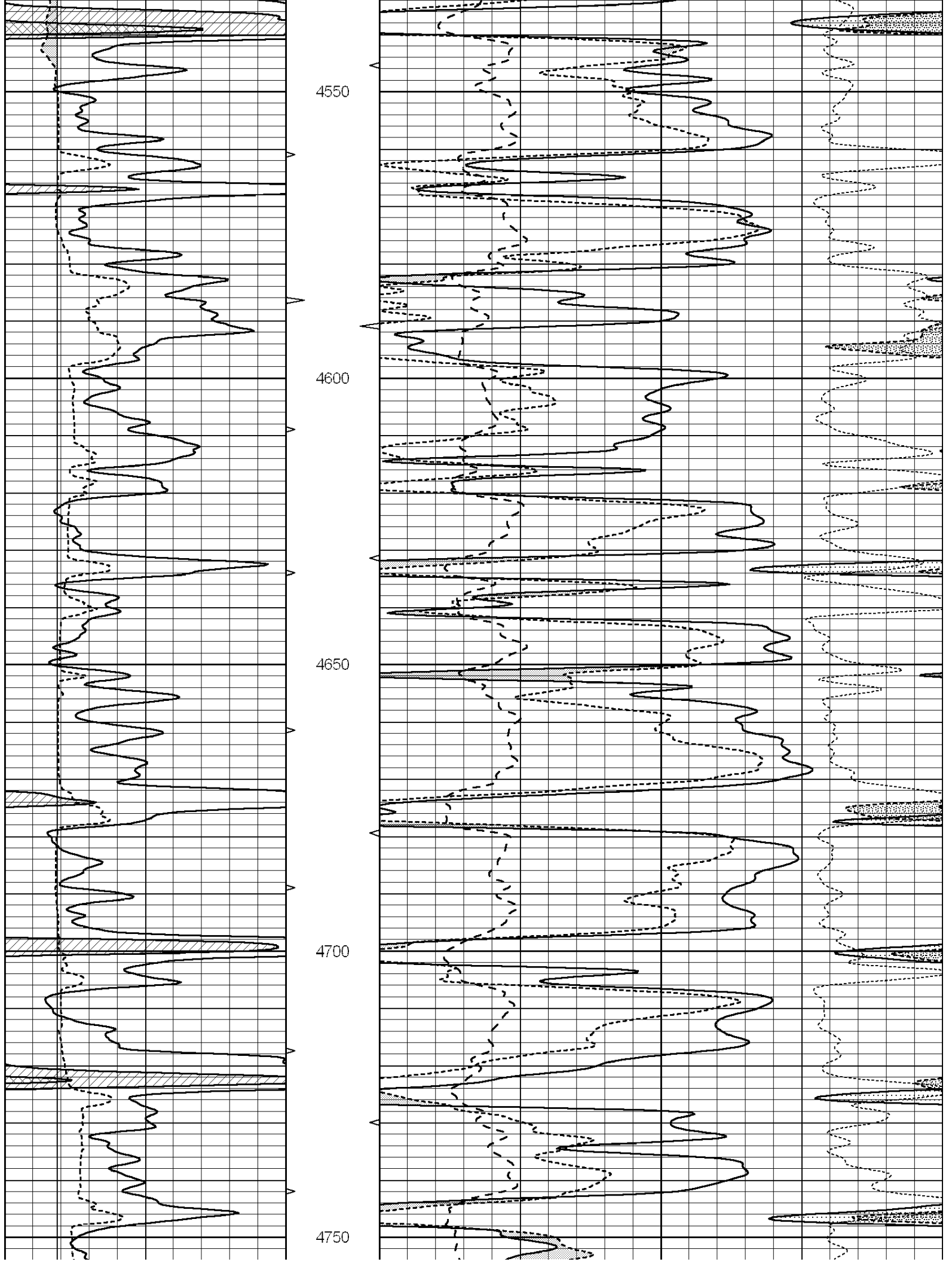
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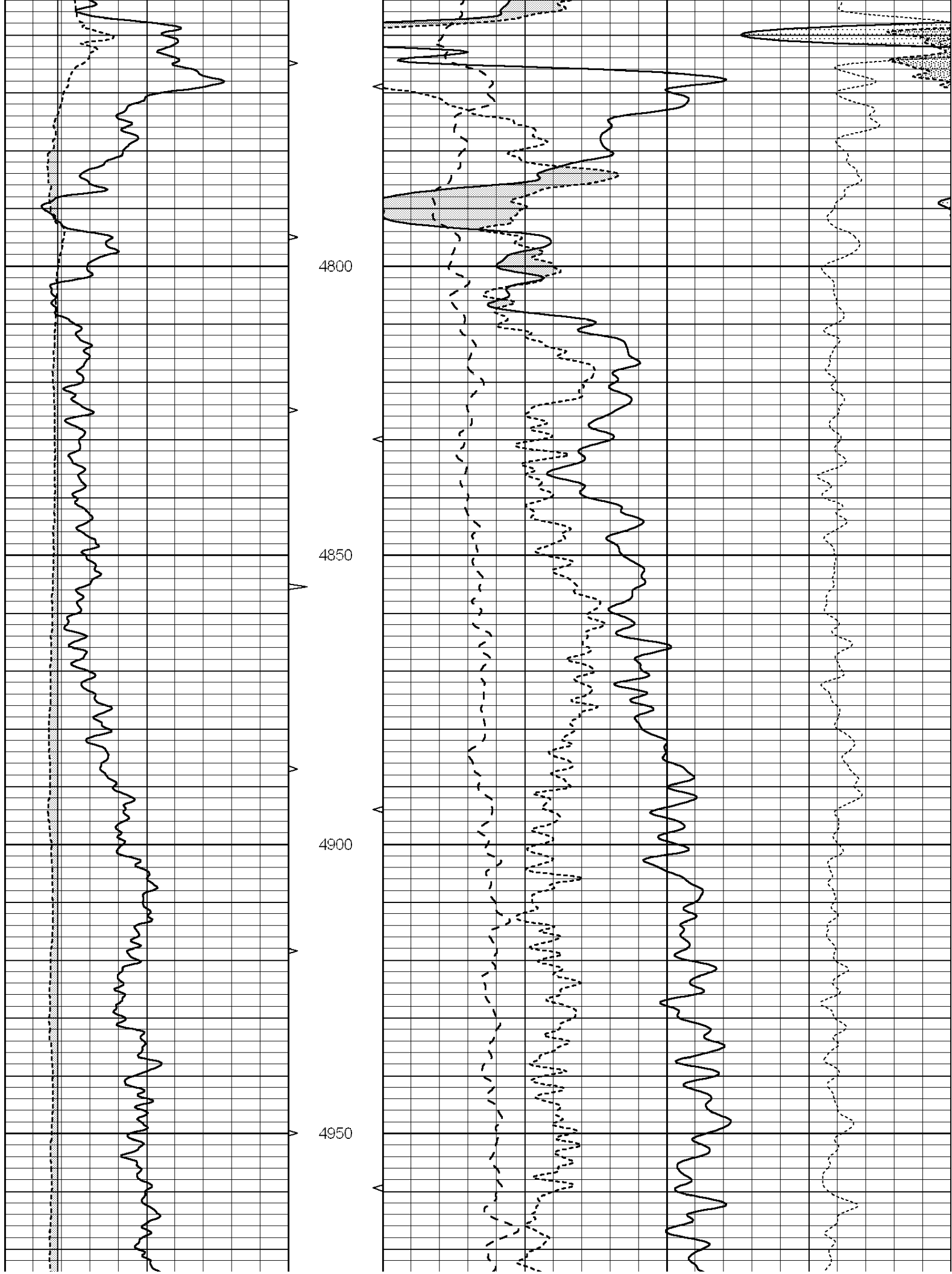
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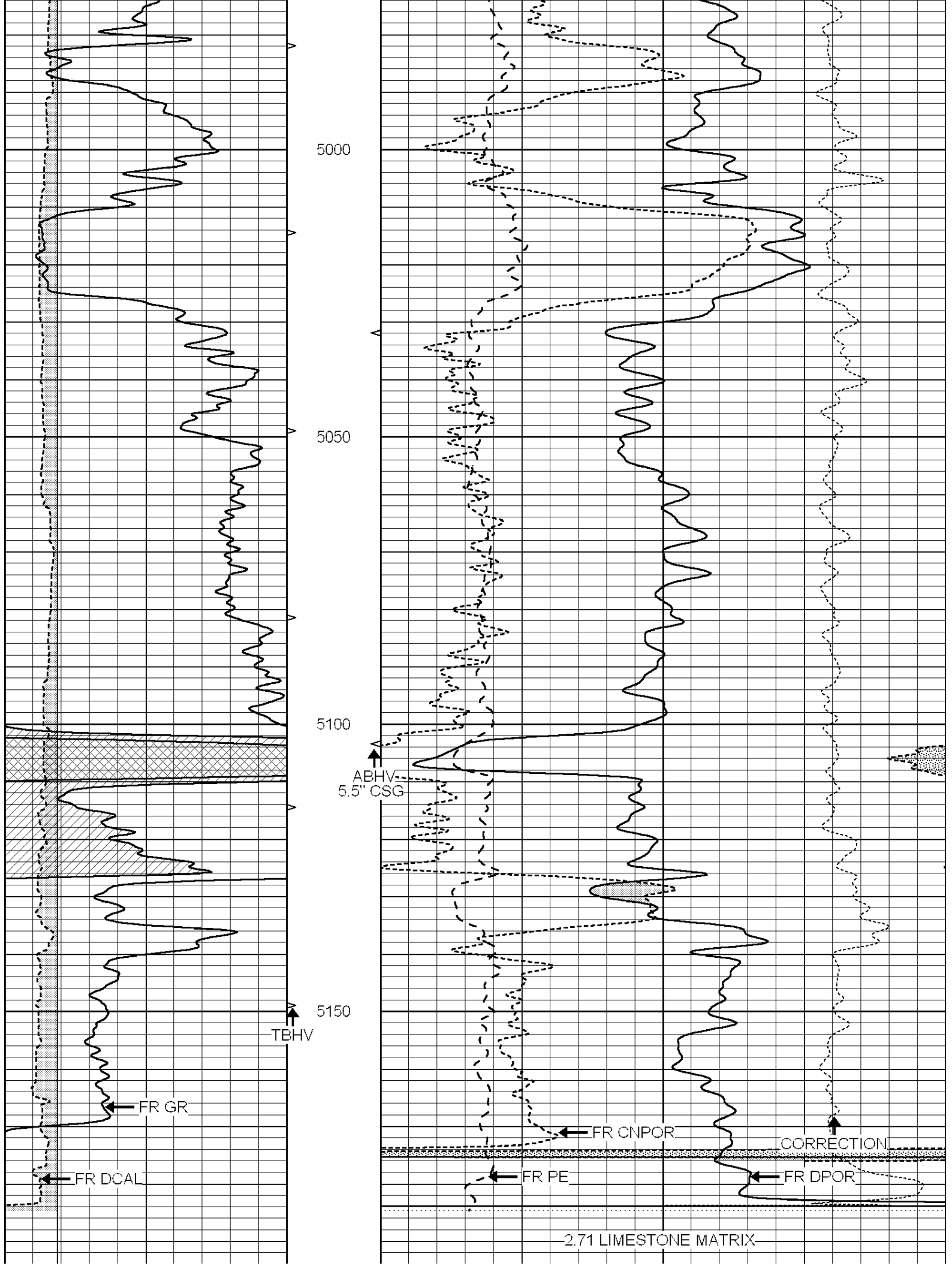
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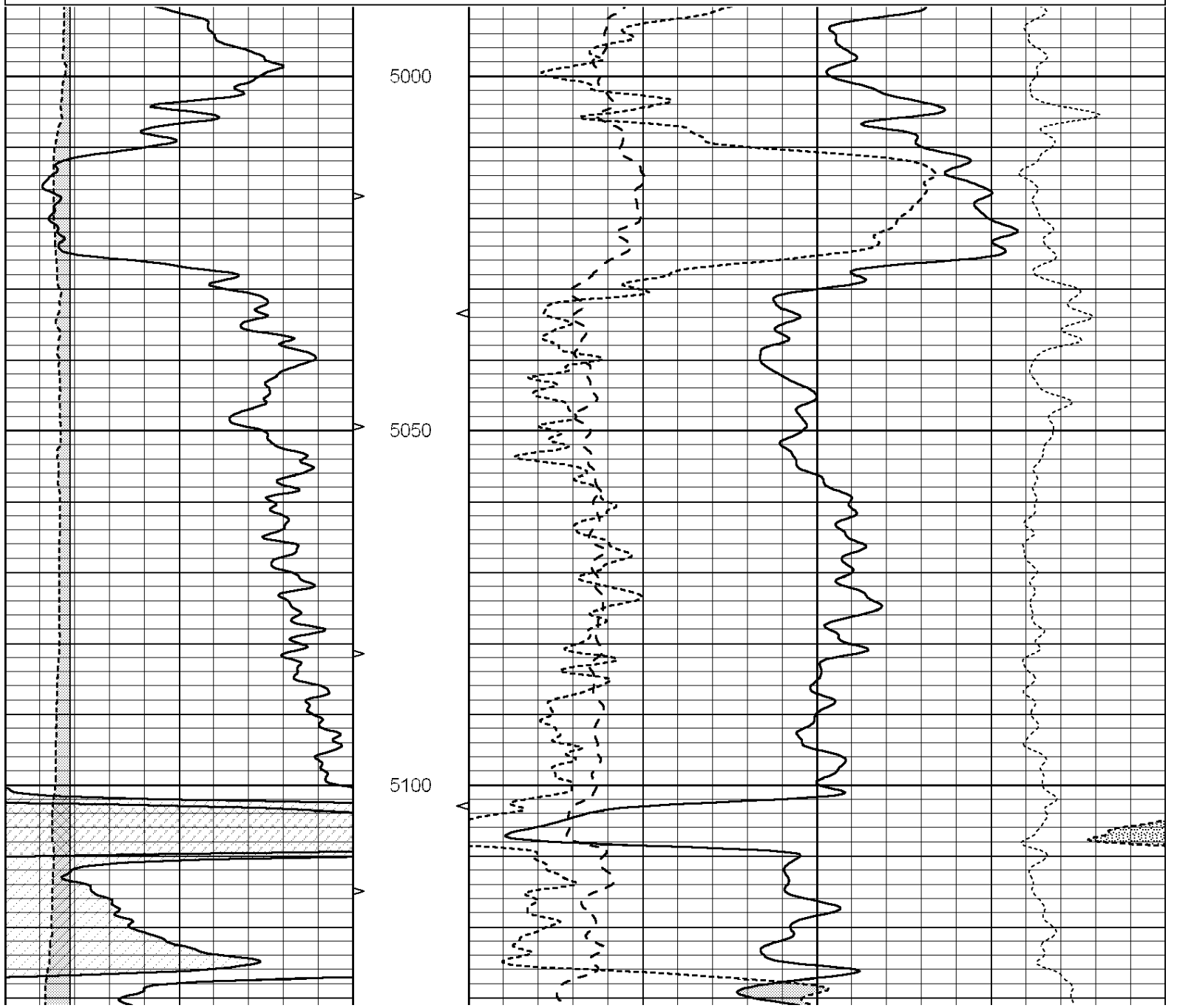


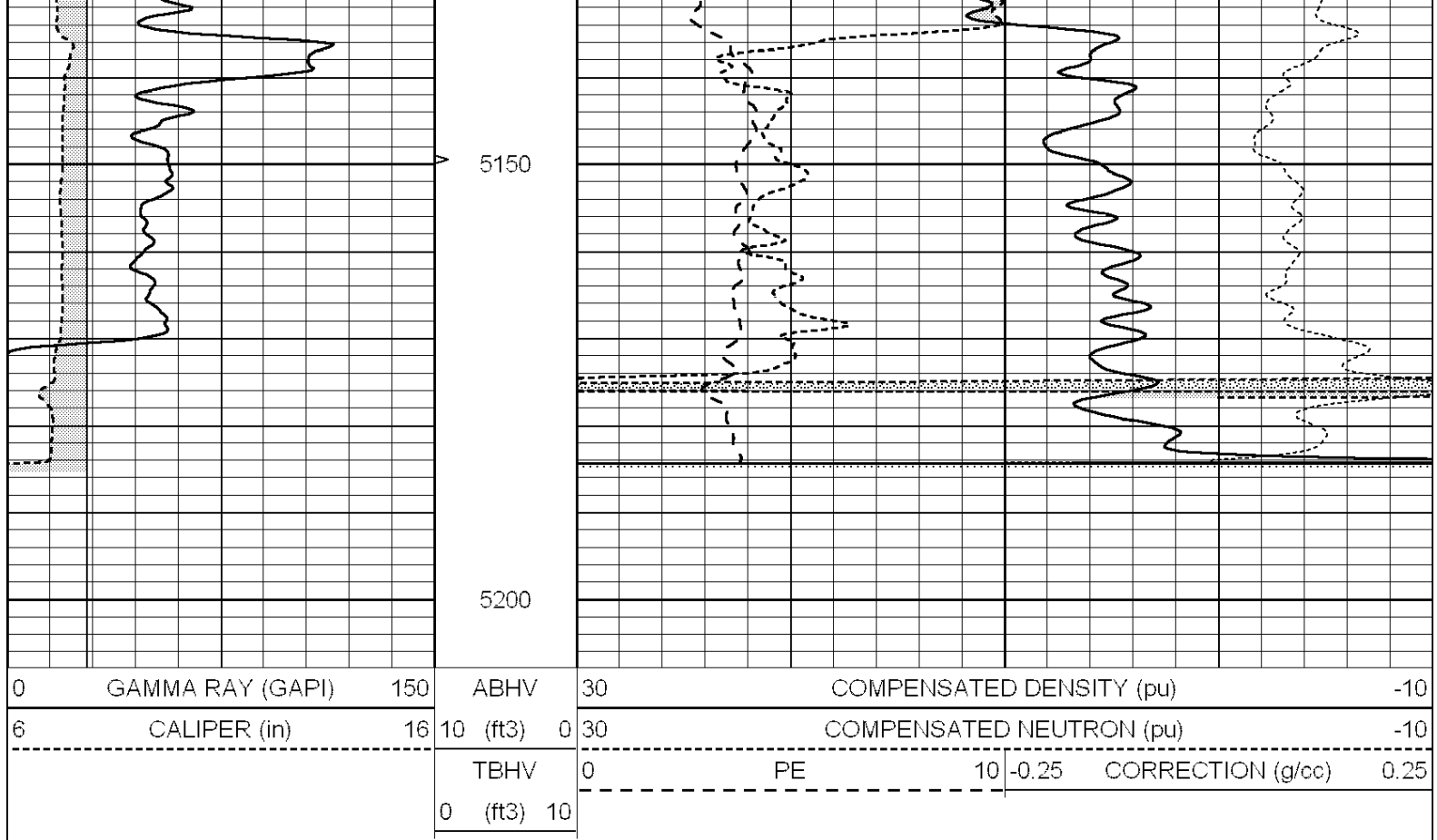


			5200 LTD 5203						
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10					

Database File: 005422pe.db  
 Dataset Pathname: pass2.1  
 Presentation Format: \_ldt\_neu  
 Dataset Creation: Thu Aug 05 11:56:25 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
			TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10					





### Calibration Report

Database File: 005422pe.db  
 Dataset Pathname: pass2.1  
 Dataset Creation: Thu Aug 05 11:56:25 2010 by Calc Open-Cased 090629

### Dual Induction Calibration Report

Serial-Model: PROBE8-DILG  
 Surface Cal Performed: Fri Aug 01 06:33:19 2008  
 Downhole Cal Performed: Mon Jul 28 11:08:27 2008  
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

#### Surface Calibration

Loop:	Readings			V	References		Results		
	Air	Loop			Air	Loop	m	b	
Deep	0.015	0.648			0.000	400.000	mmho/m	632.616	-9.730
Medium	0.029	0.796			0.000	464.000	mmho/m	605.049	-17.680
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.017	0.657			0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757			0.000	464.000	mmho/m	625.992	-9.739

#### Downhole Calibration

	Readings			V	References		Results		
	Zero	Cal			Zero	Cal	m'	b'	
Deep	0.000	0.000	mmho/m		2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m		7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V			1500.000	Ohm-m		
		0.000	V			20.000	Ohm-m		
		-6.500	V			3800.000	mmho-m		

After Survey Verification

	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report  
Serial: 002 Model: PRB  
Performed Mon Oct 29 15:40:49 2007

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1056.3	9118.0	2809.7	10378.4	cps
Window 2	969.9	7671.9	2431.6	8565.8	cps
Window 3	683.8	2939.8	1161.0	3161.8	cps
Window 4	231.4	231.6	226.7	230.8	cps
Long Space	0.0	6702.0	1461.7	7595.9	cps
Short Space	1.2	1433.6	959.4	1568.6	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 45.2	Rib Slope	: 1.008	Density/Spine Ratio	: 0.559
Spine Angle	: 75.2	Spine Slope	: 3.791	Spine Intercept	: -18.7

Caliper

	Readings	Reference
Low Ref	3.1	8.0
High Ref	5.4	14.0
	Gain: 2.5	Offset: 1.3

Compensated Neutron Calibration Report

Serial Number: 5I  
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	1.00 cps	1.00 cps	1.0000
Long Space	1.00 cps	1.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number: GR6  
Tool Model: OPEN  
Performed: Wed Jul 14 14:14:30 2010

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps  
Calibrator Reading: 276.0 cps

Sensitivity: 0.5335 GAPI/cps



**SUPERIOR**  
Hays,  
Kansas

**SONIC**  
LOG

Company LOTUS OPERATING CO., LLC.  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER  
State KANSAS

Company LOTUS OPERATING COMPANY, LLC  
Well KOPPITZ #1  
Field STRANATHAN  
County BARBER State KANSAS

Location: API # : 15-007-23565-0000  
900' FNL & 600' FWL  
SEC 2 TWP 35S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1391  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
MEL/DIL  
Elevation  
K.B. 1404  
D.F. 1402  
G.L. 1391

Date	8-5-10
Run Number	TWO
Depth Driller	5200
Depth Logger	5203
Bottom Logged Interval	5193
Top Log Interval	220
Casing Driller	10 3/4" @ 260'
Casing Logger	260
Bit Size	7 7/8
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.4/46
pH / Fluid Loss	10.0/10.4
Source of Sample	FLOWLINE
Rin @ Meas. Temp	.70 @ 97F
Rmf @ Meas. Temp	.52 @ 97
Rmc @ Meas. Temp	.84 @ 97F
Source of Rmf / Rmc	MEASURED
Rin @ BHT	.53 @ 126F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	
Maximum Recorded Temperature	126F
Equipment Number	680
Location	HAYS, KS.
Recorded By	JASON CAPPELLUCCI
Witnessed By	TIM HELLMAN

<<< Fold Here >>>

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

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE KS. - S. TO MM 8 (RATTLESNAKE TRAIL) - 1 W. - 1 S.  
1 W. - S. INTO



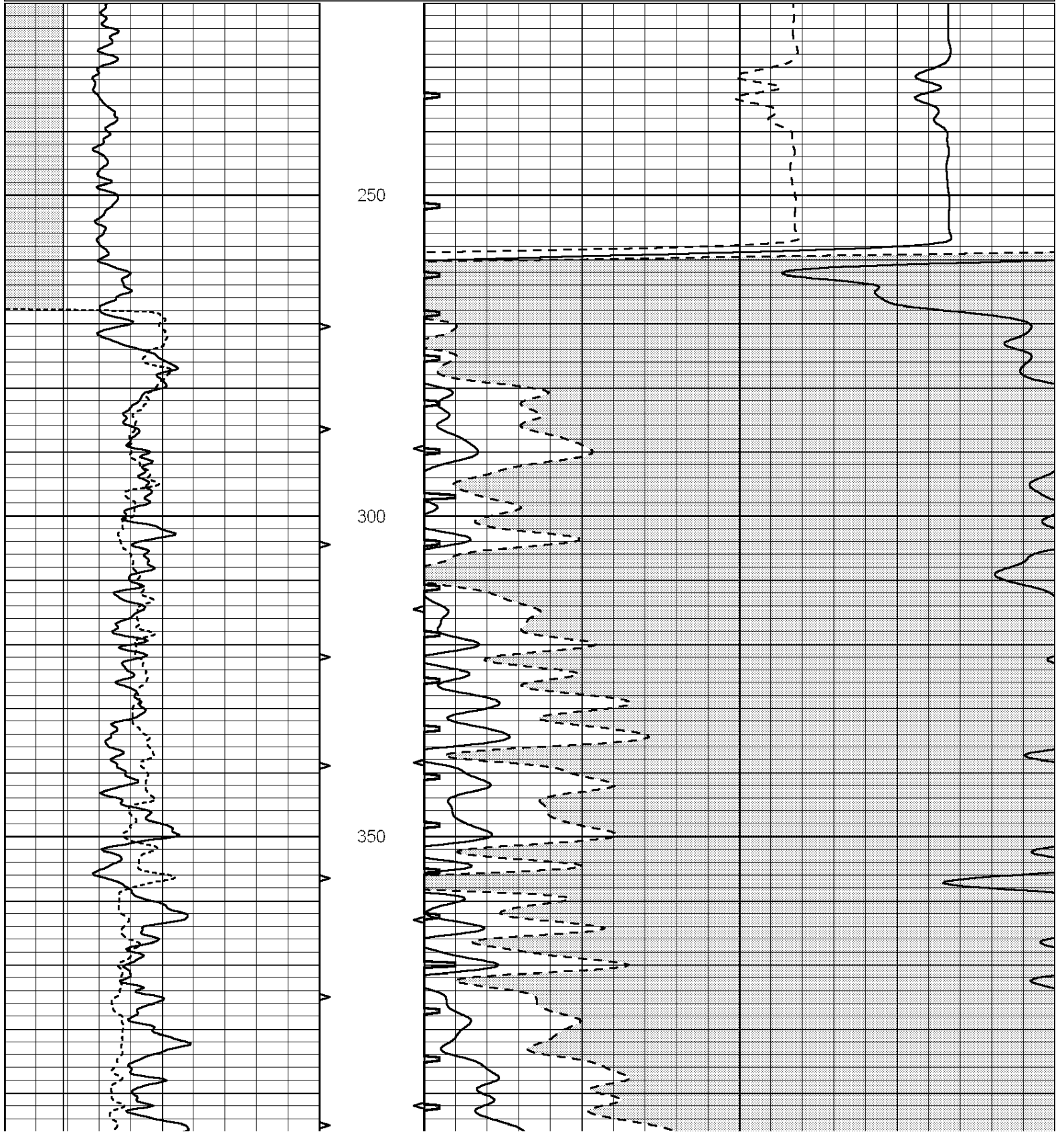
**SUPERIOR**  
Hays,  
Kansas

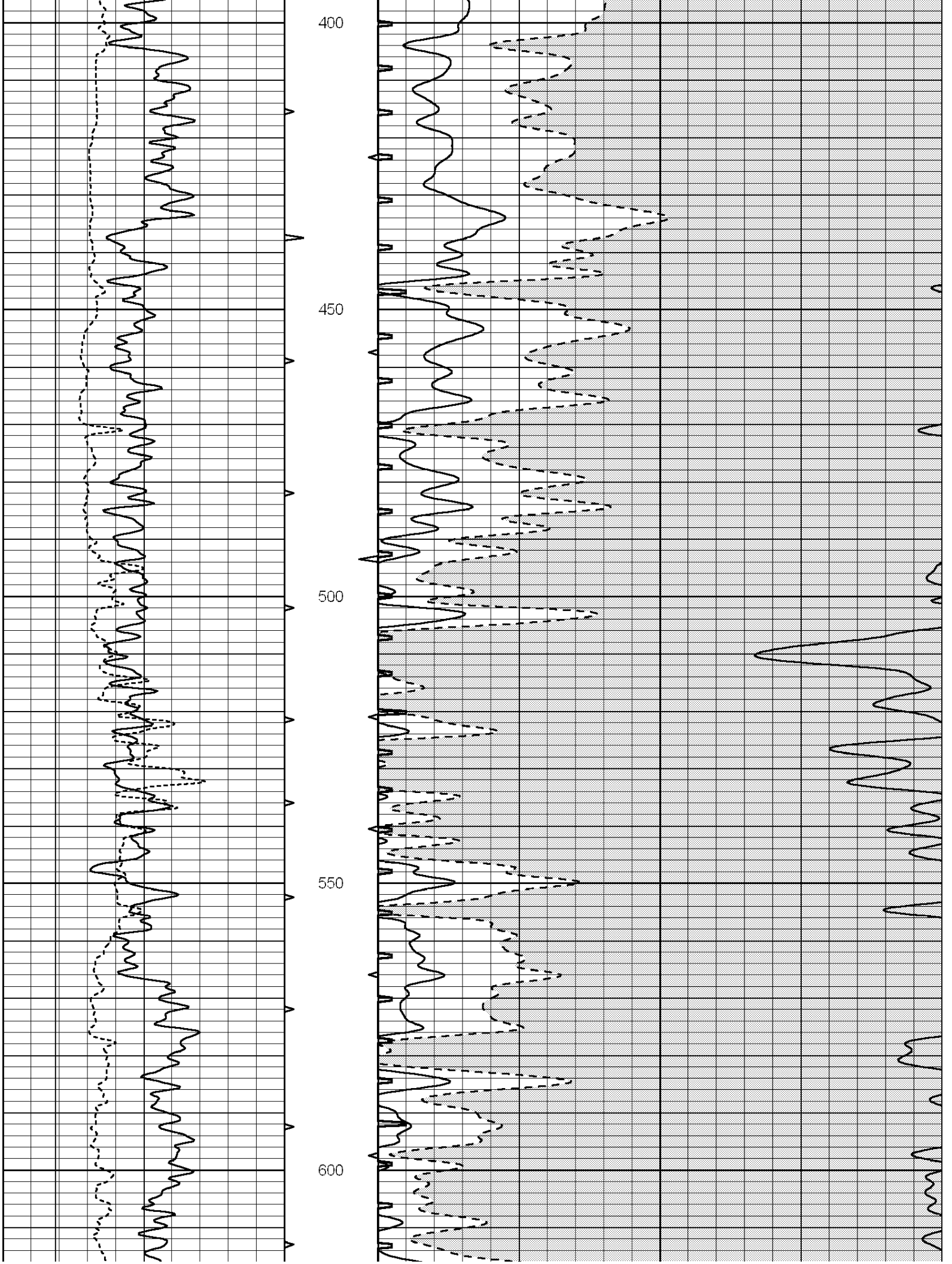
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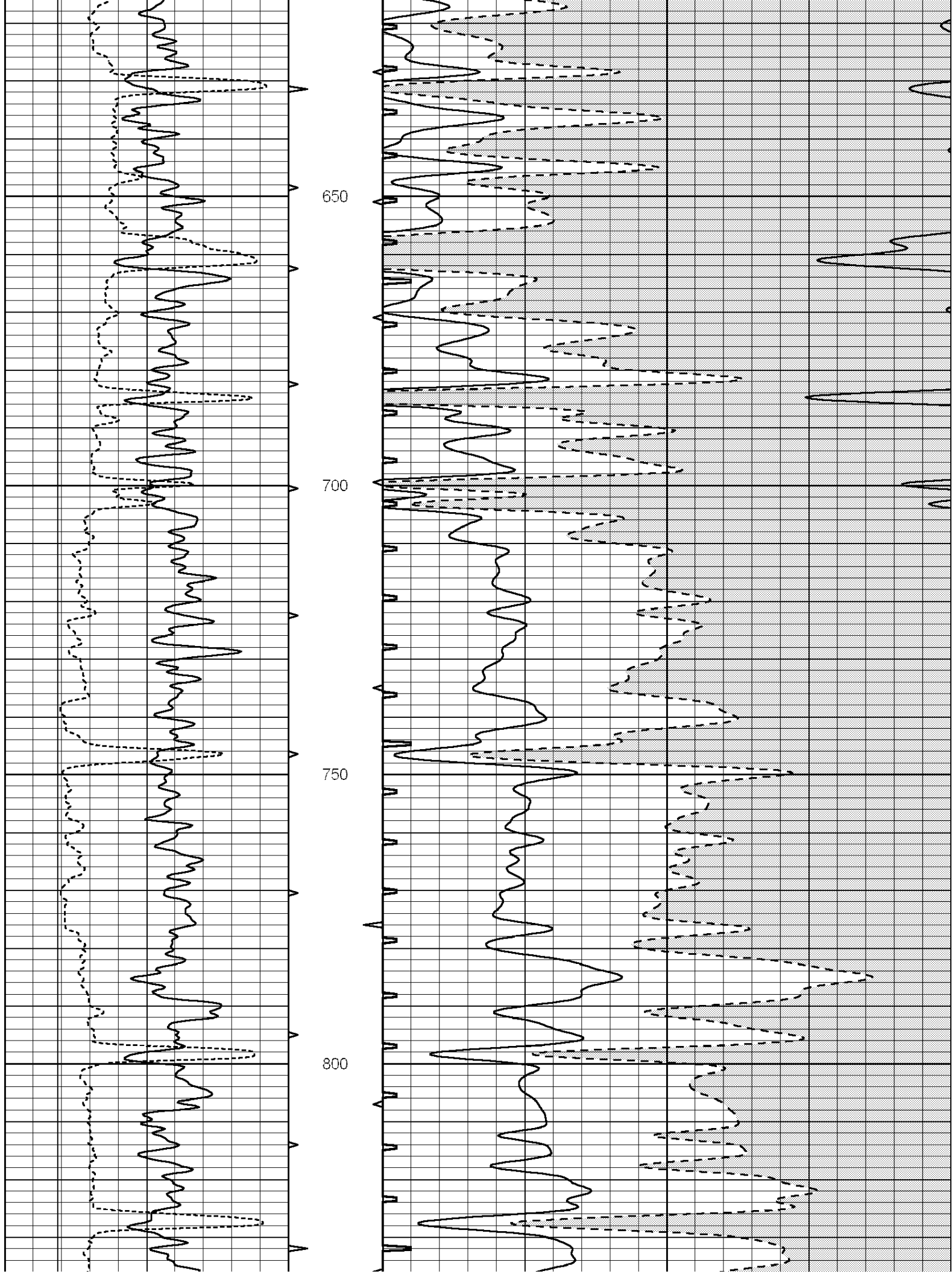


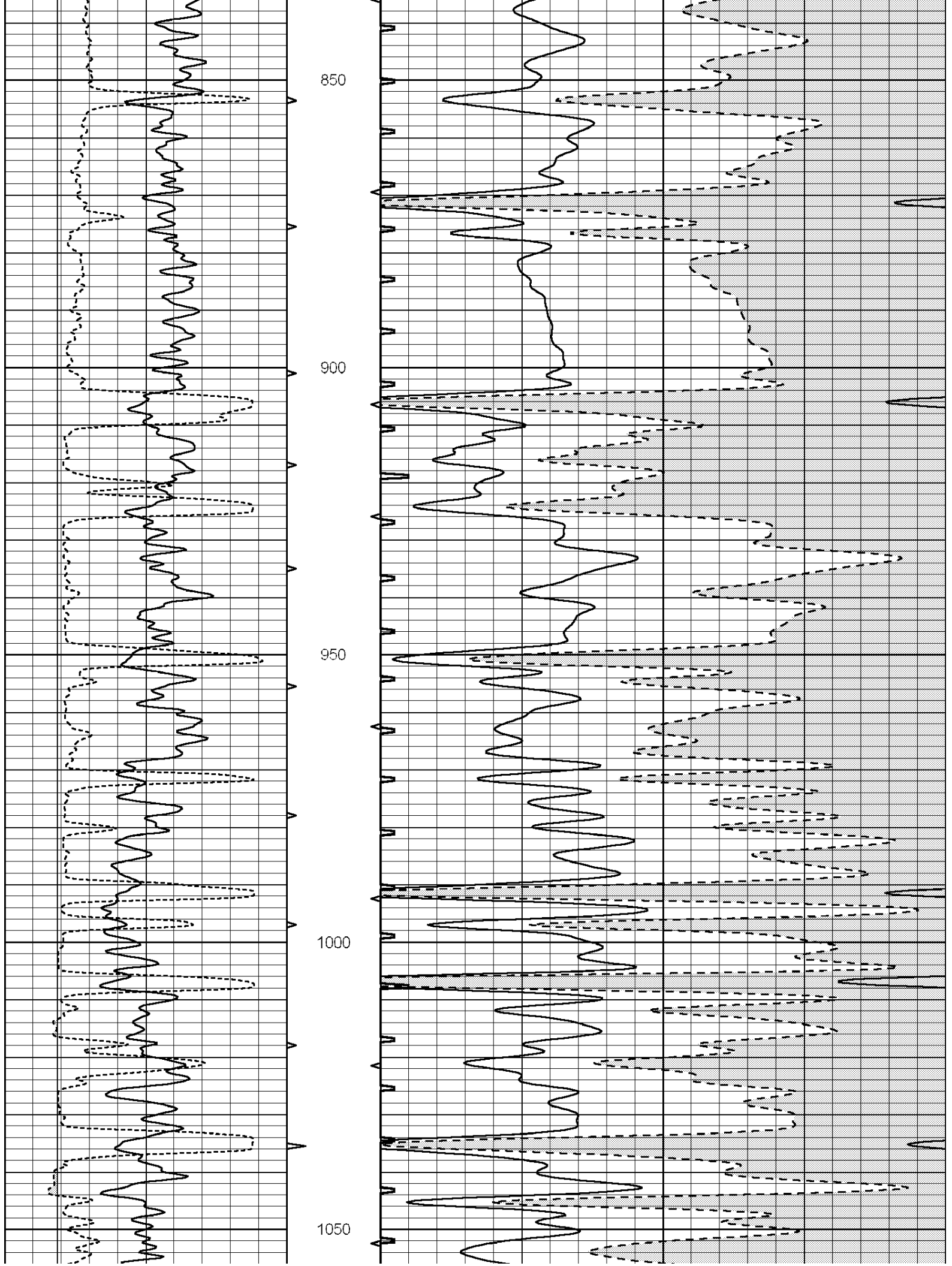
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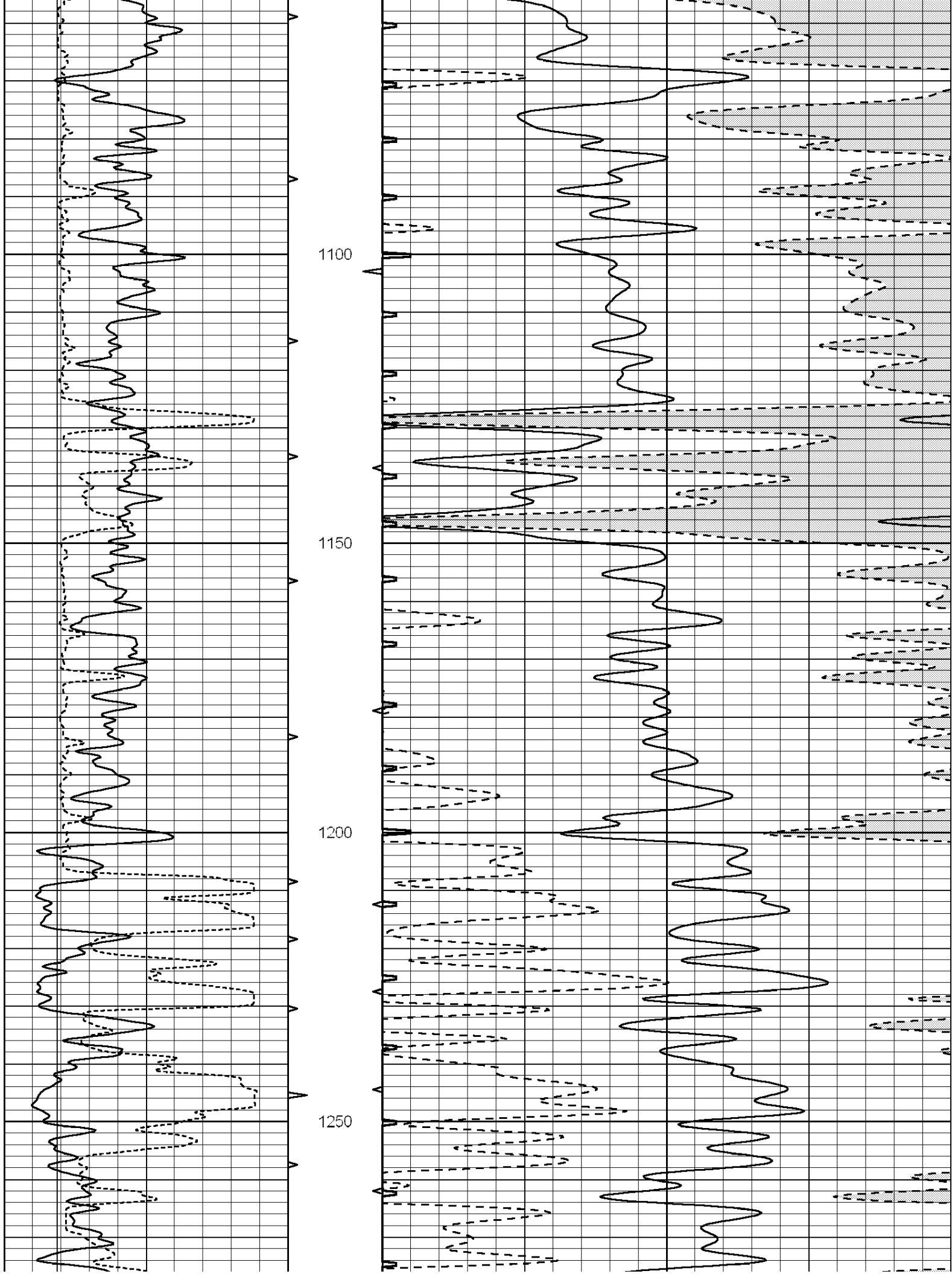
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6	CALIPER (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
-----			TBHV	0	ITT (msec)	20
-----			0 (ft3) 10			

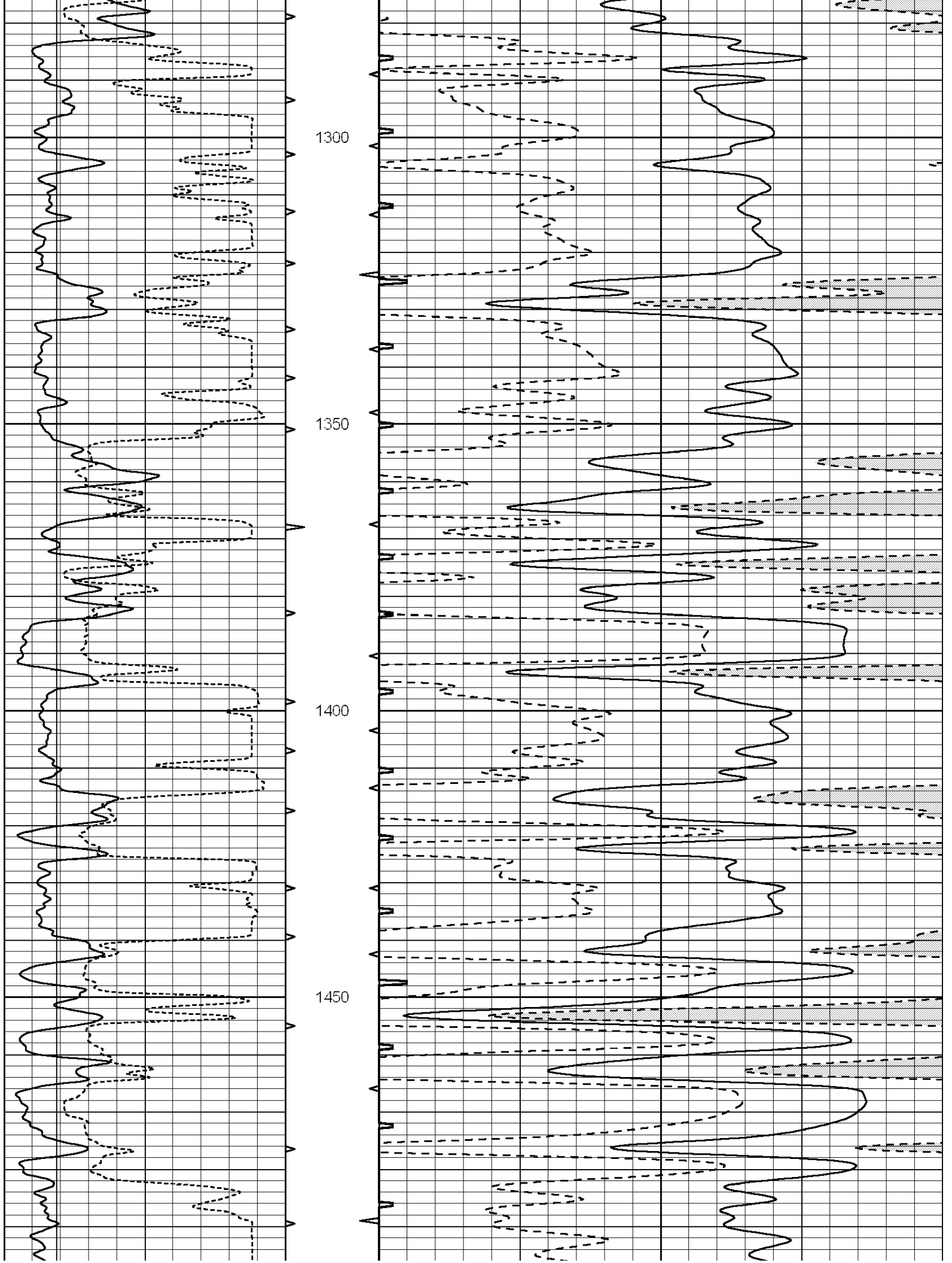


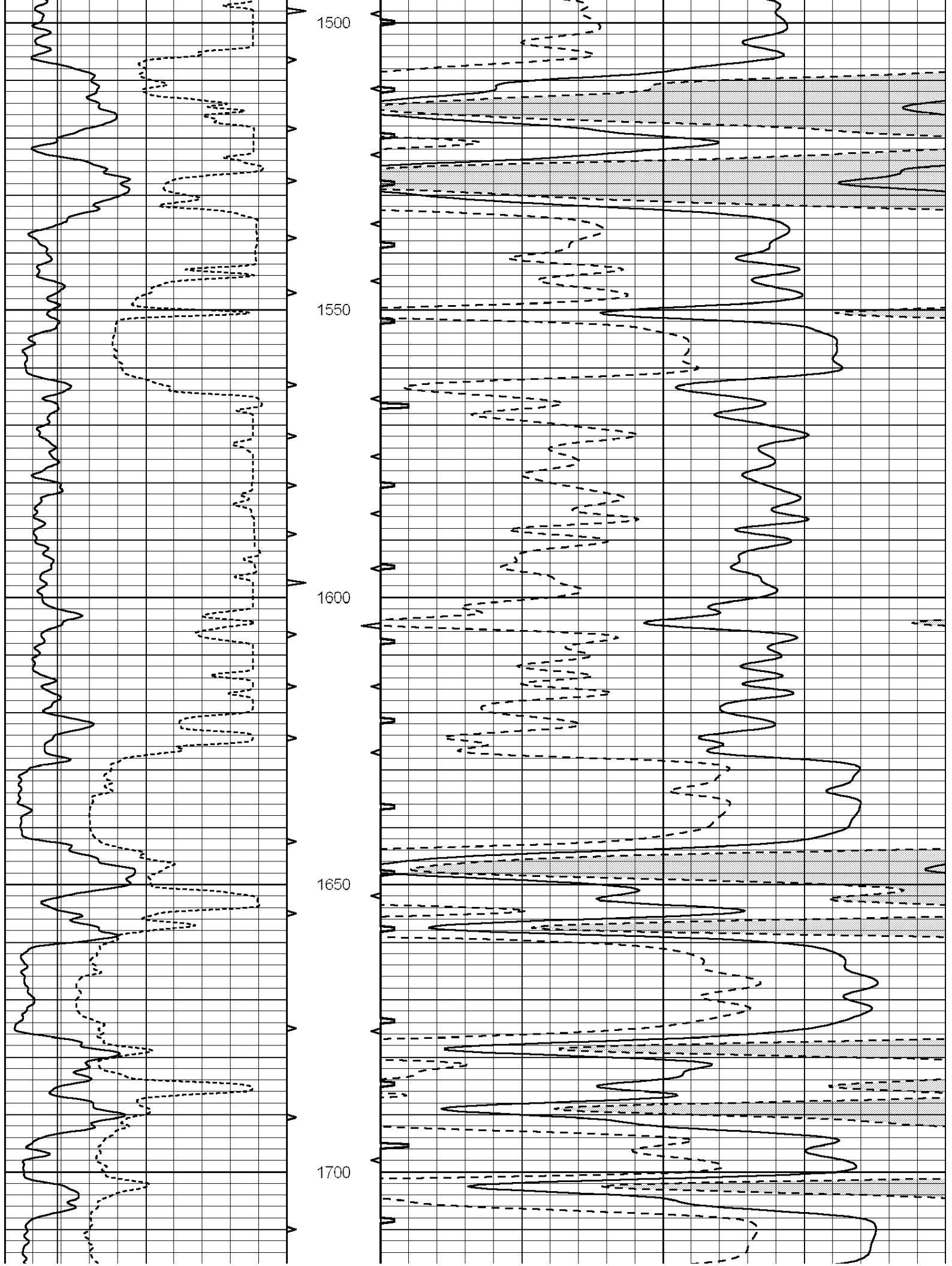


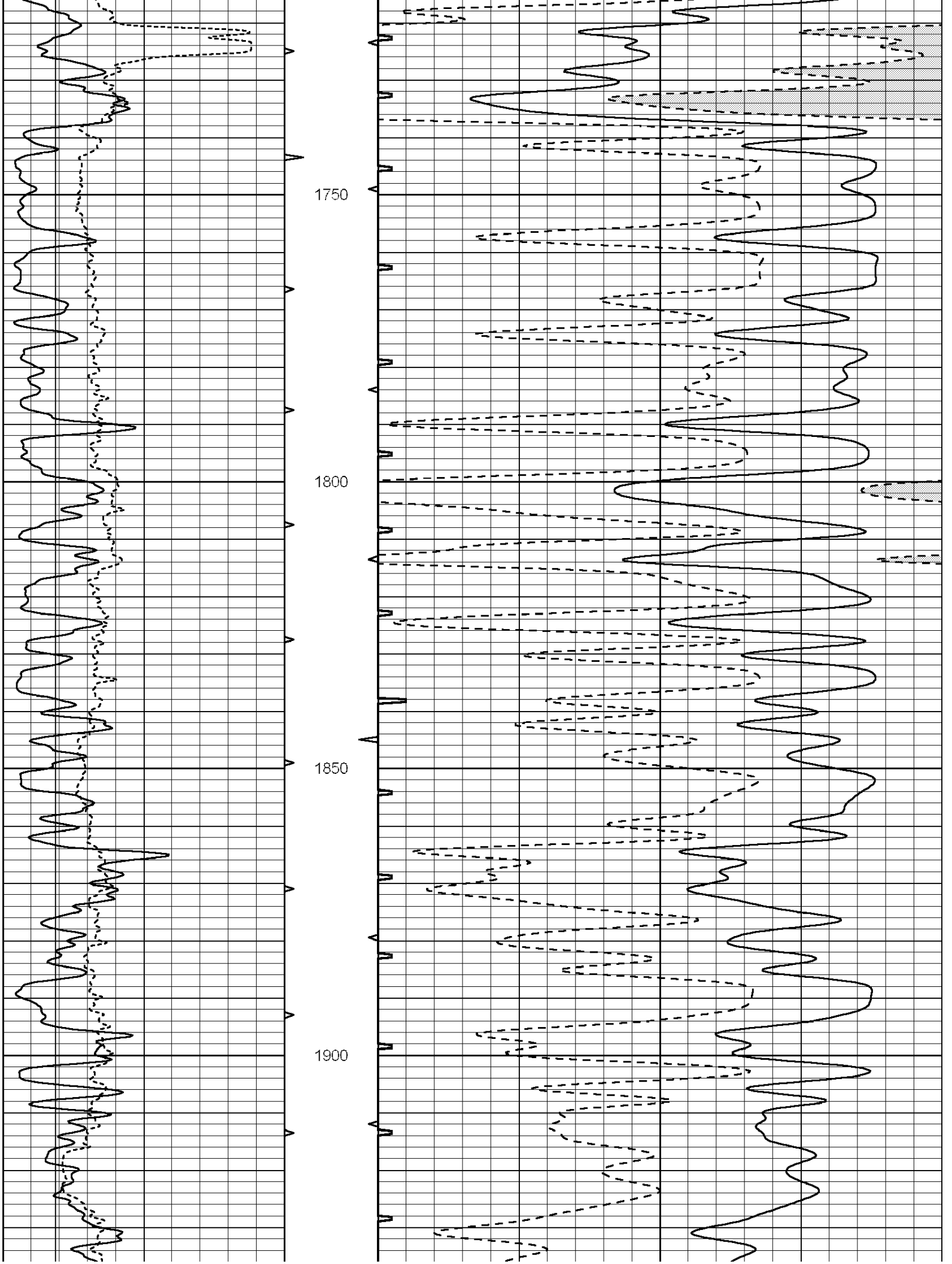




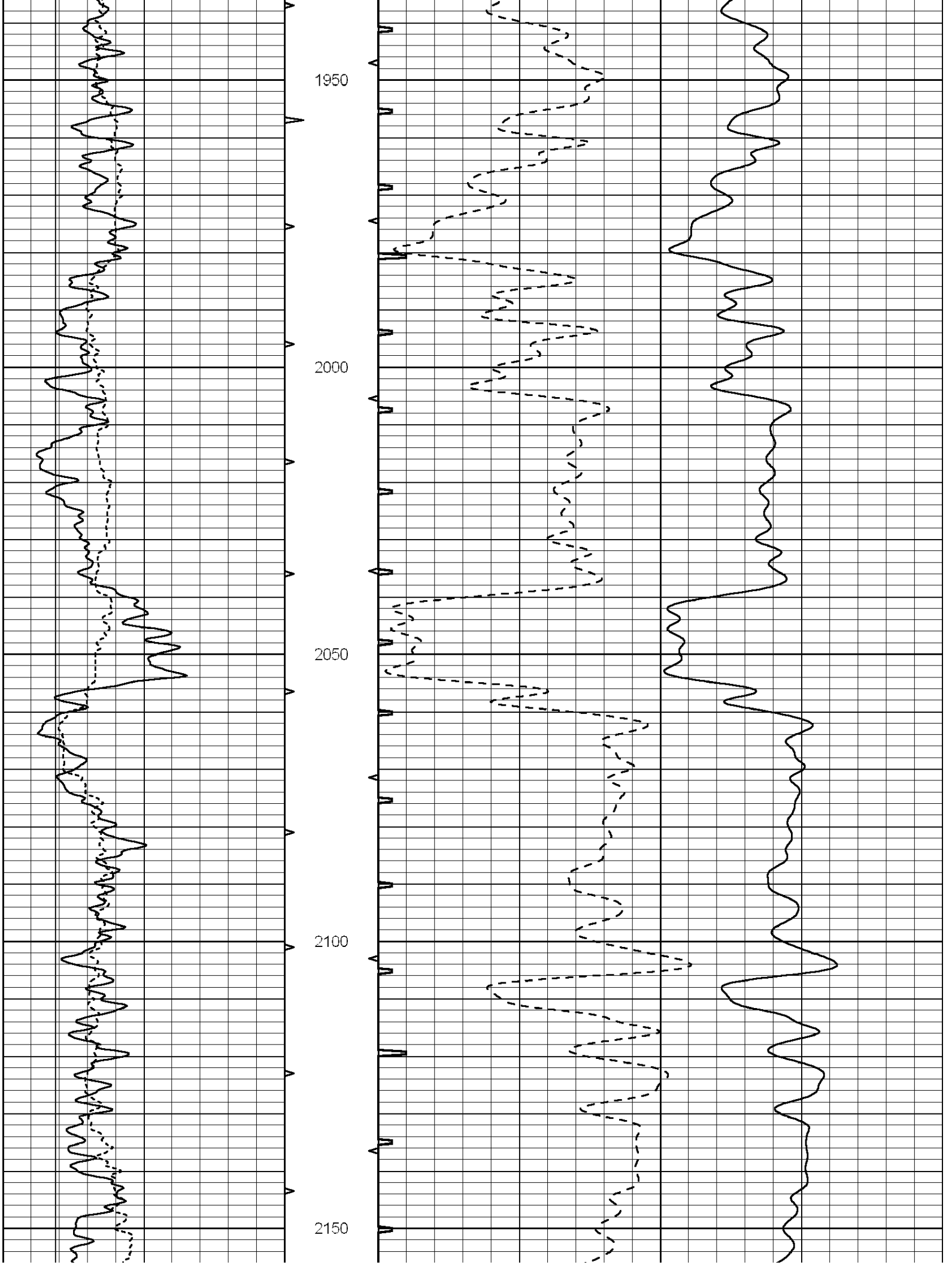


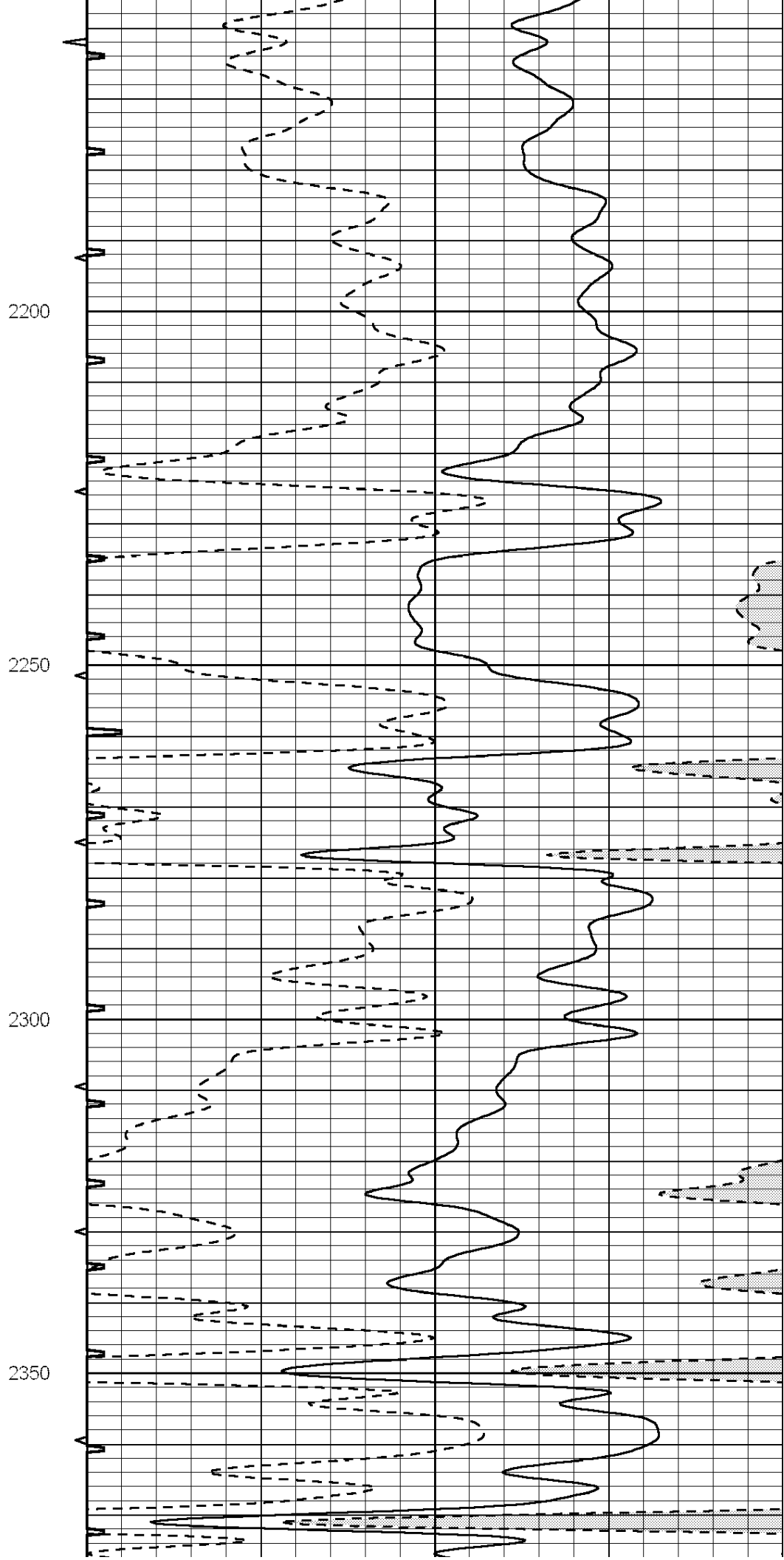
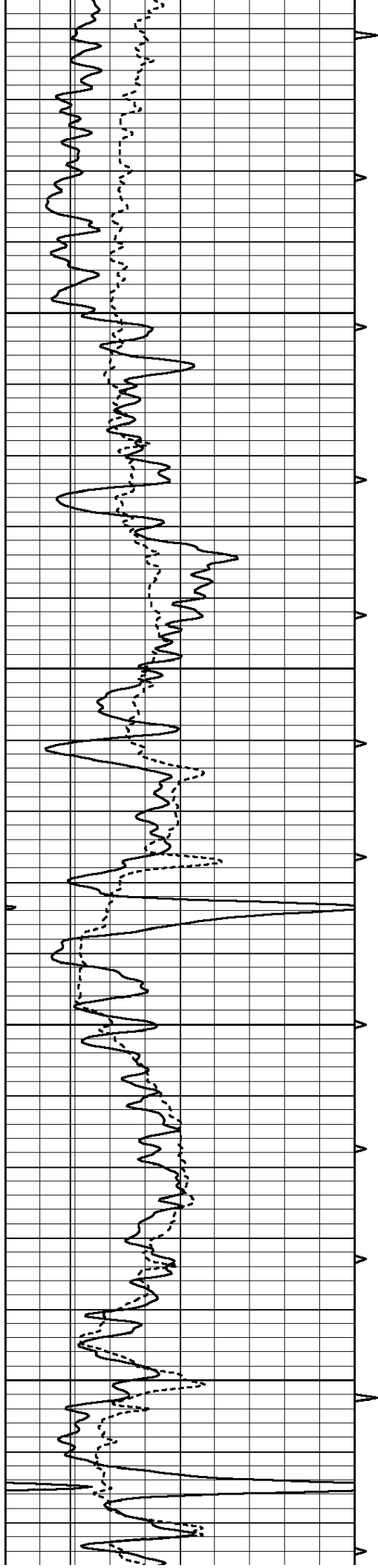


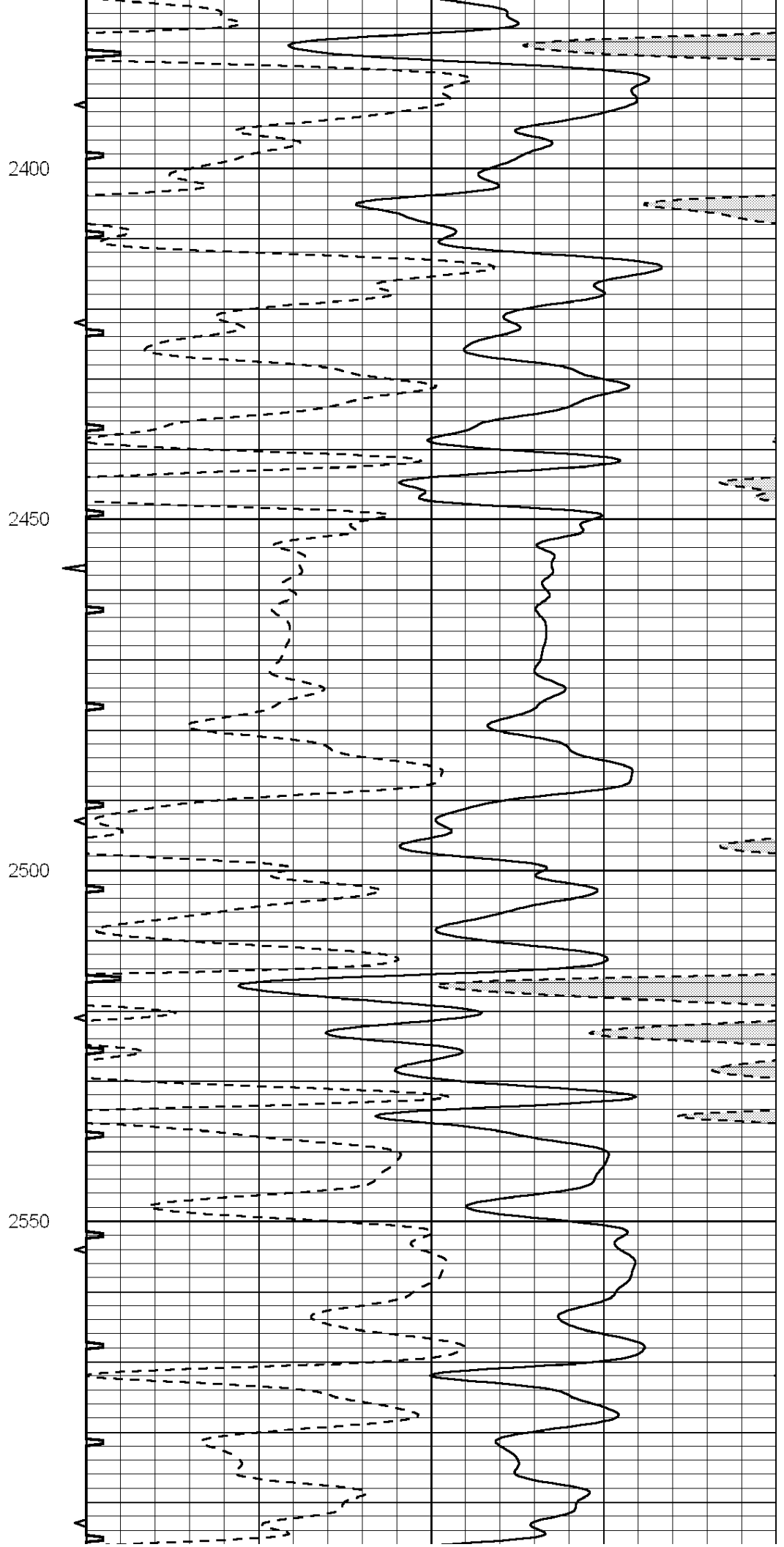
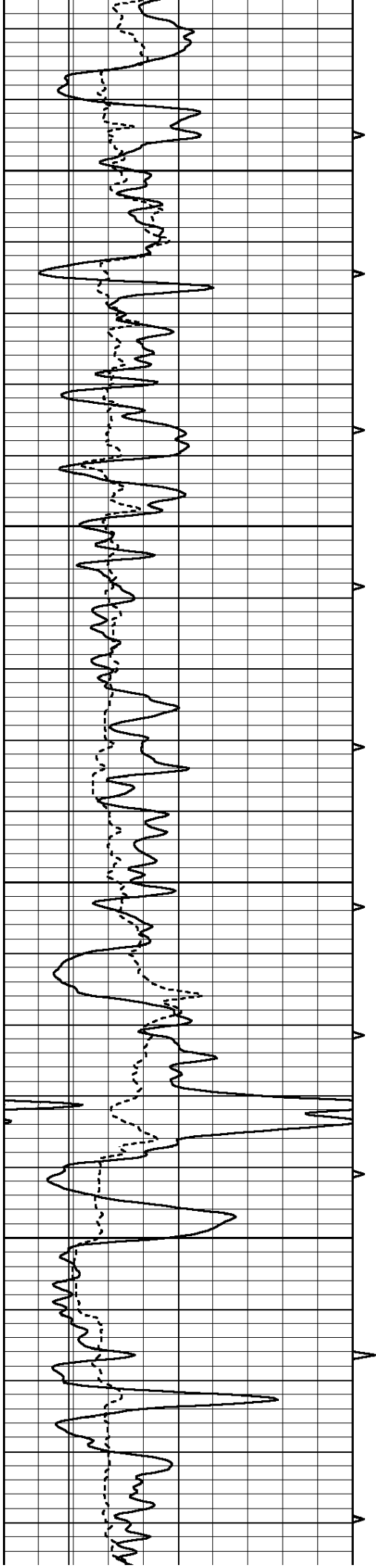


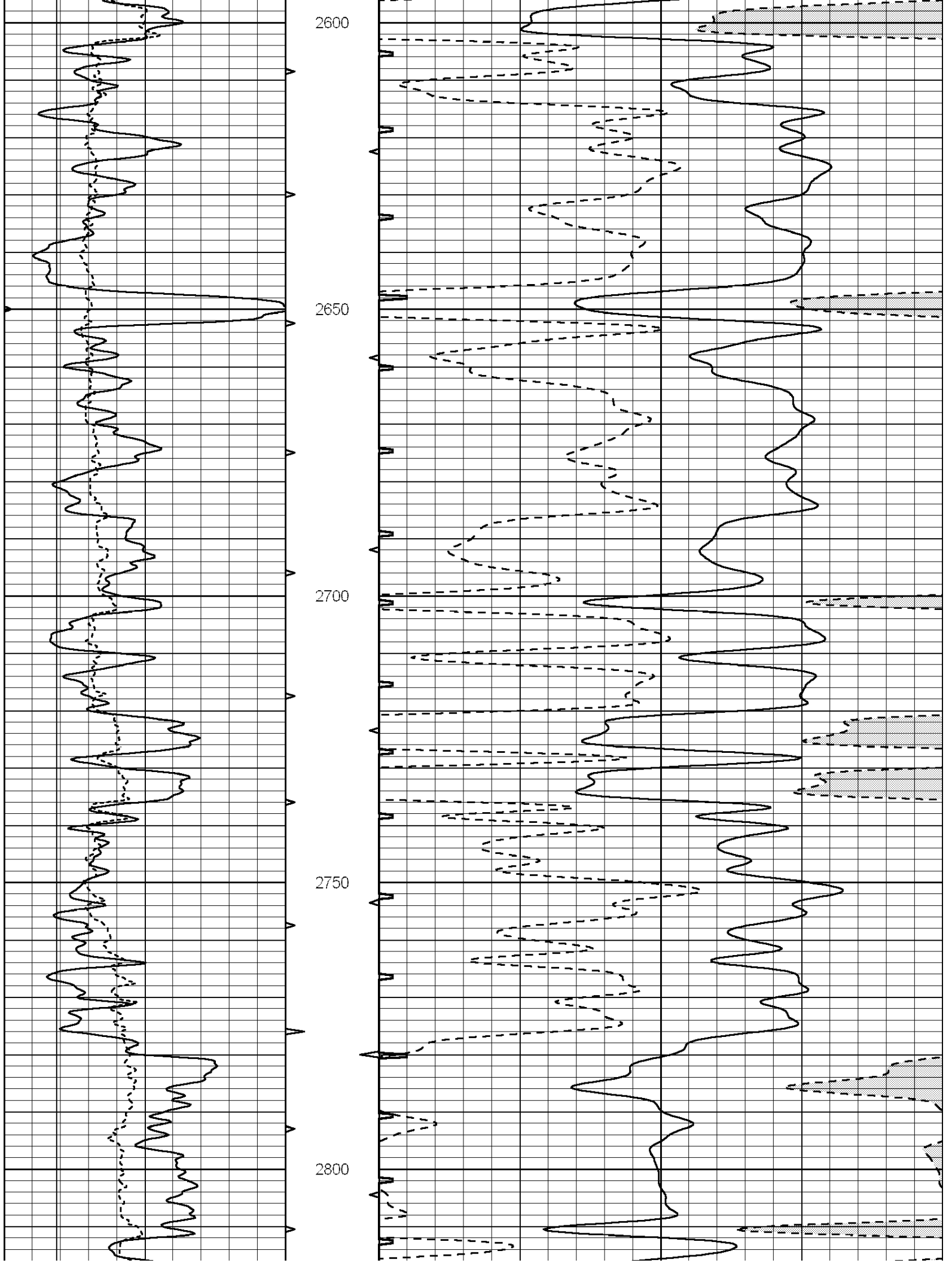


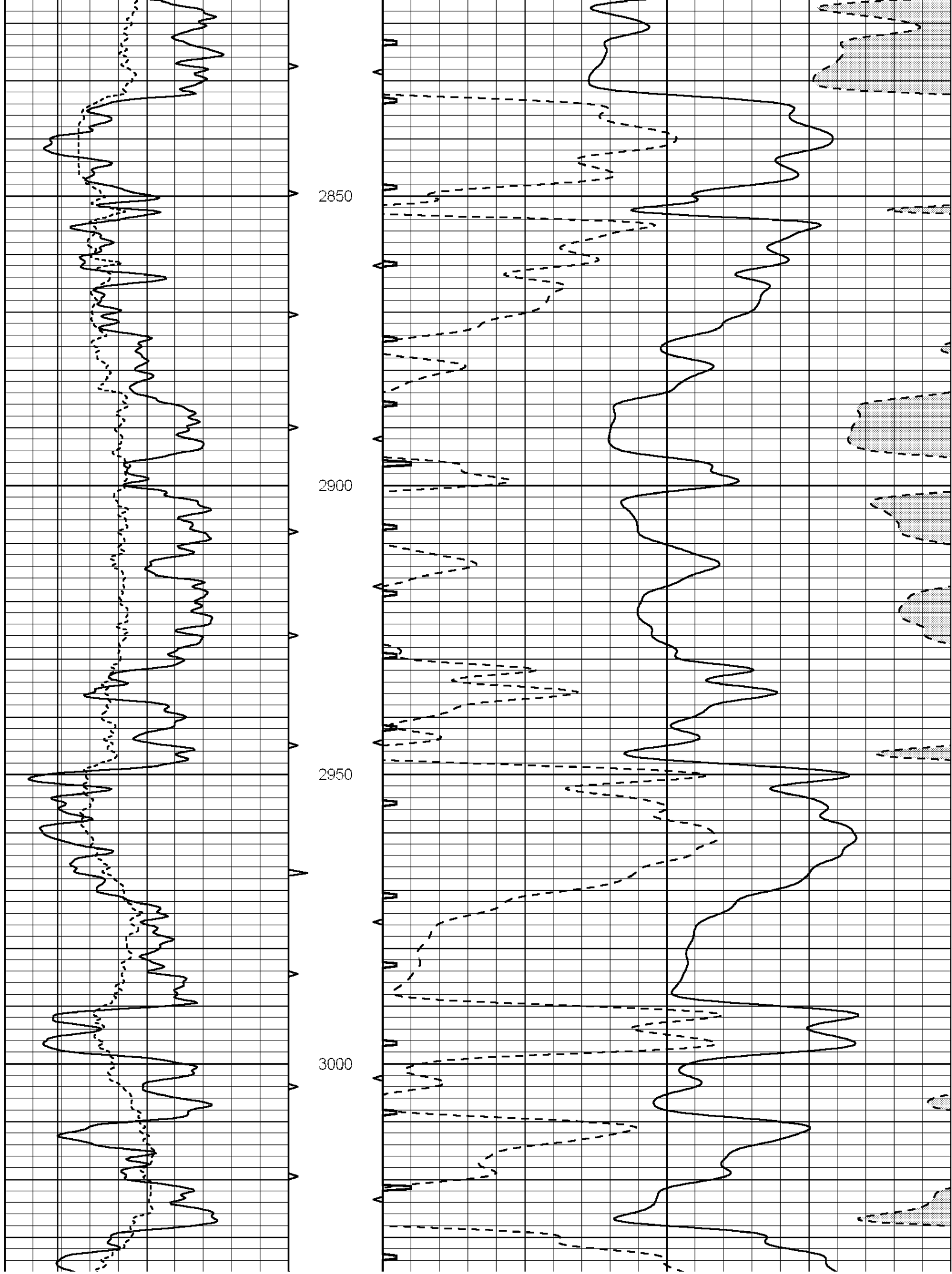


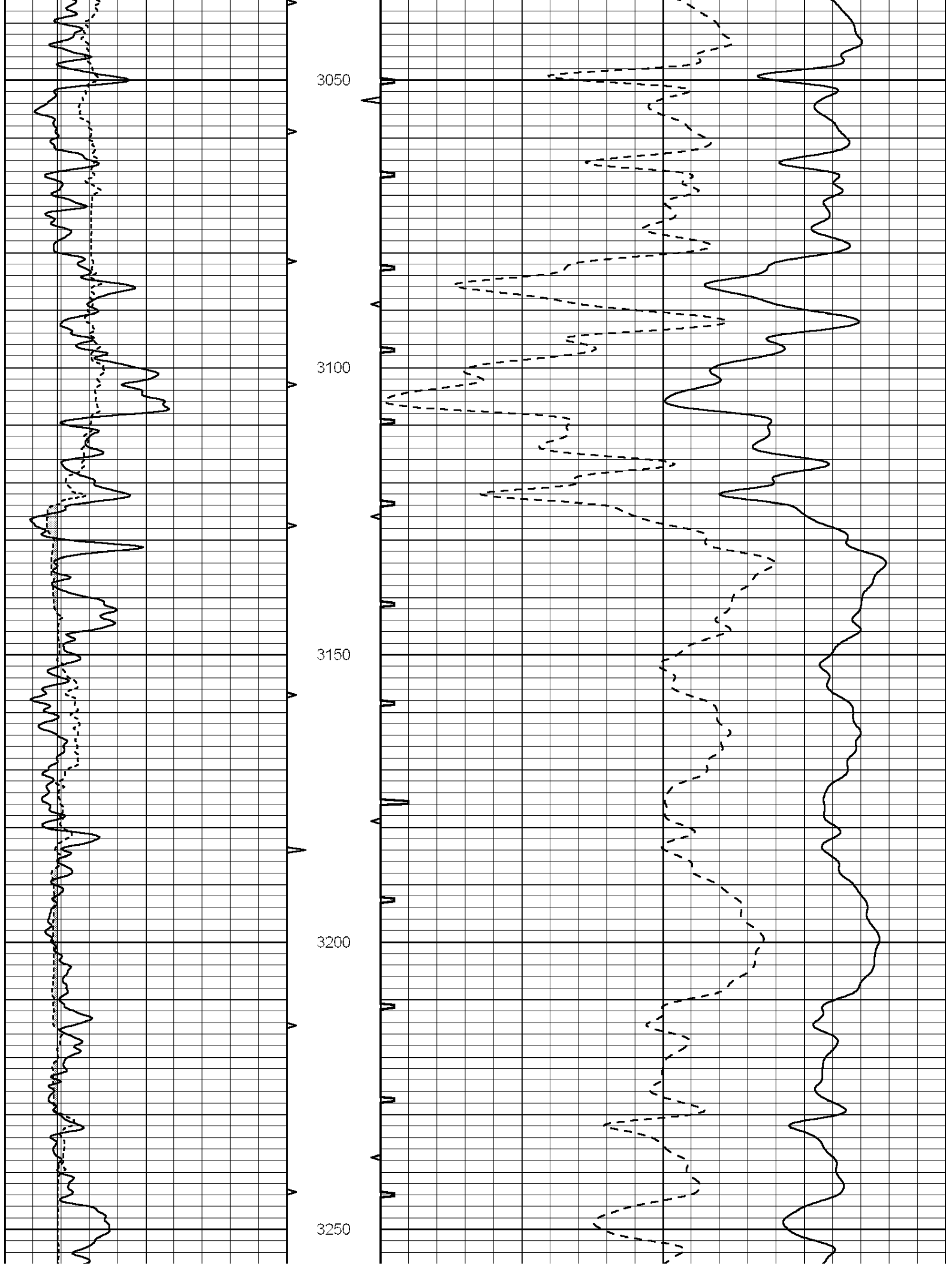


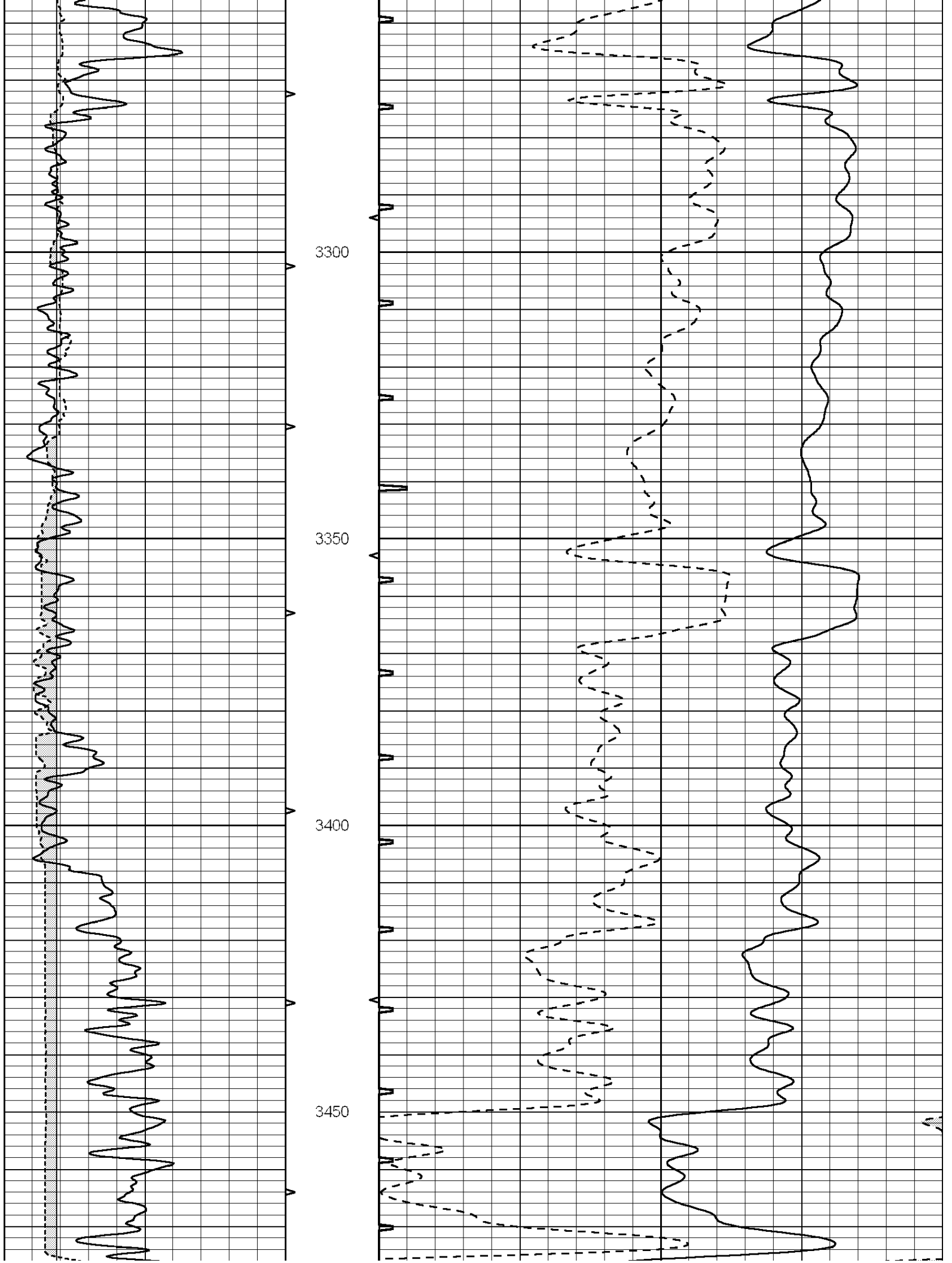


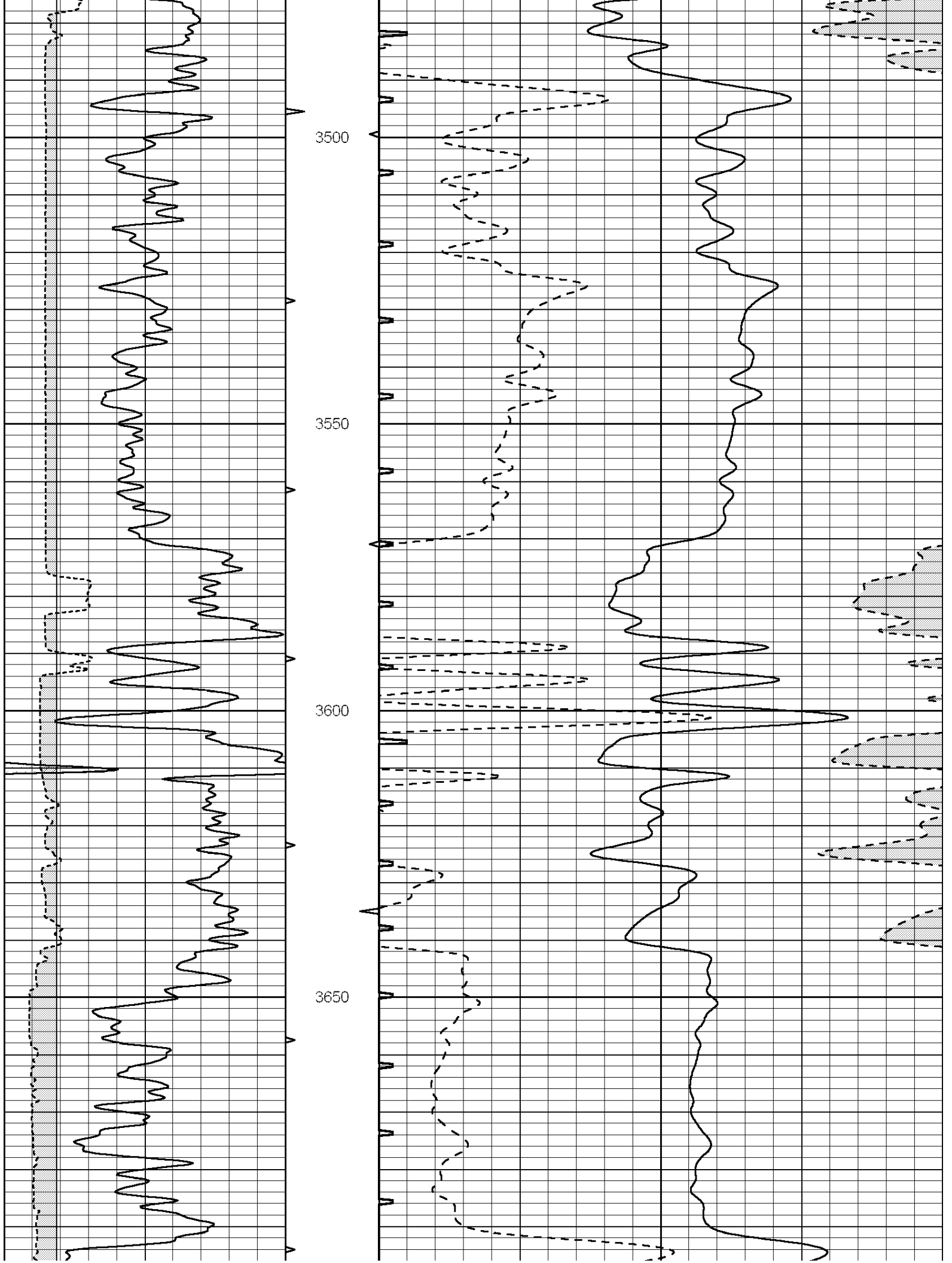




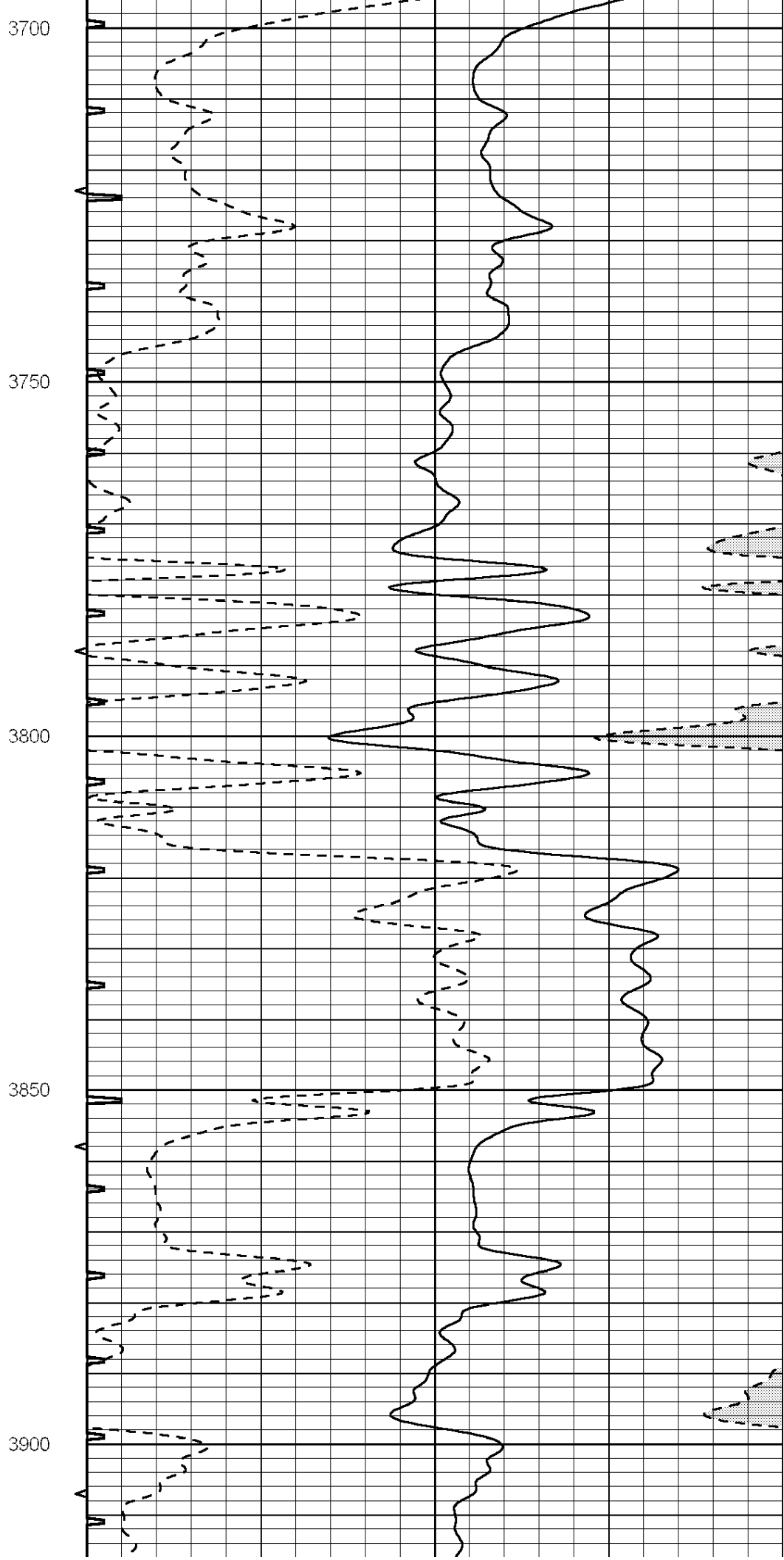
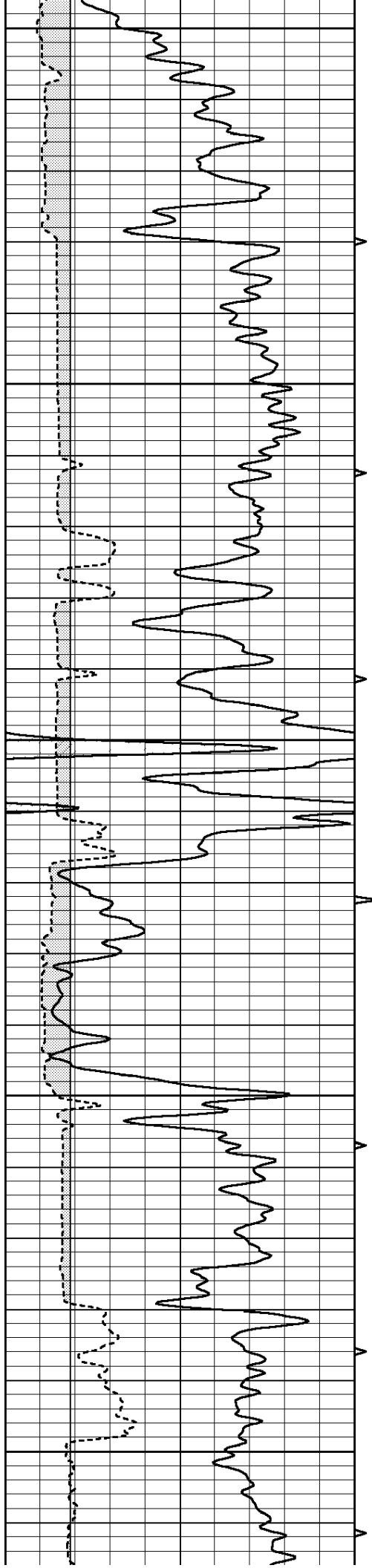


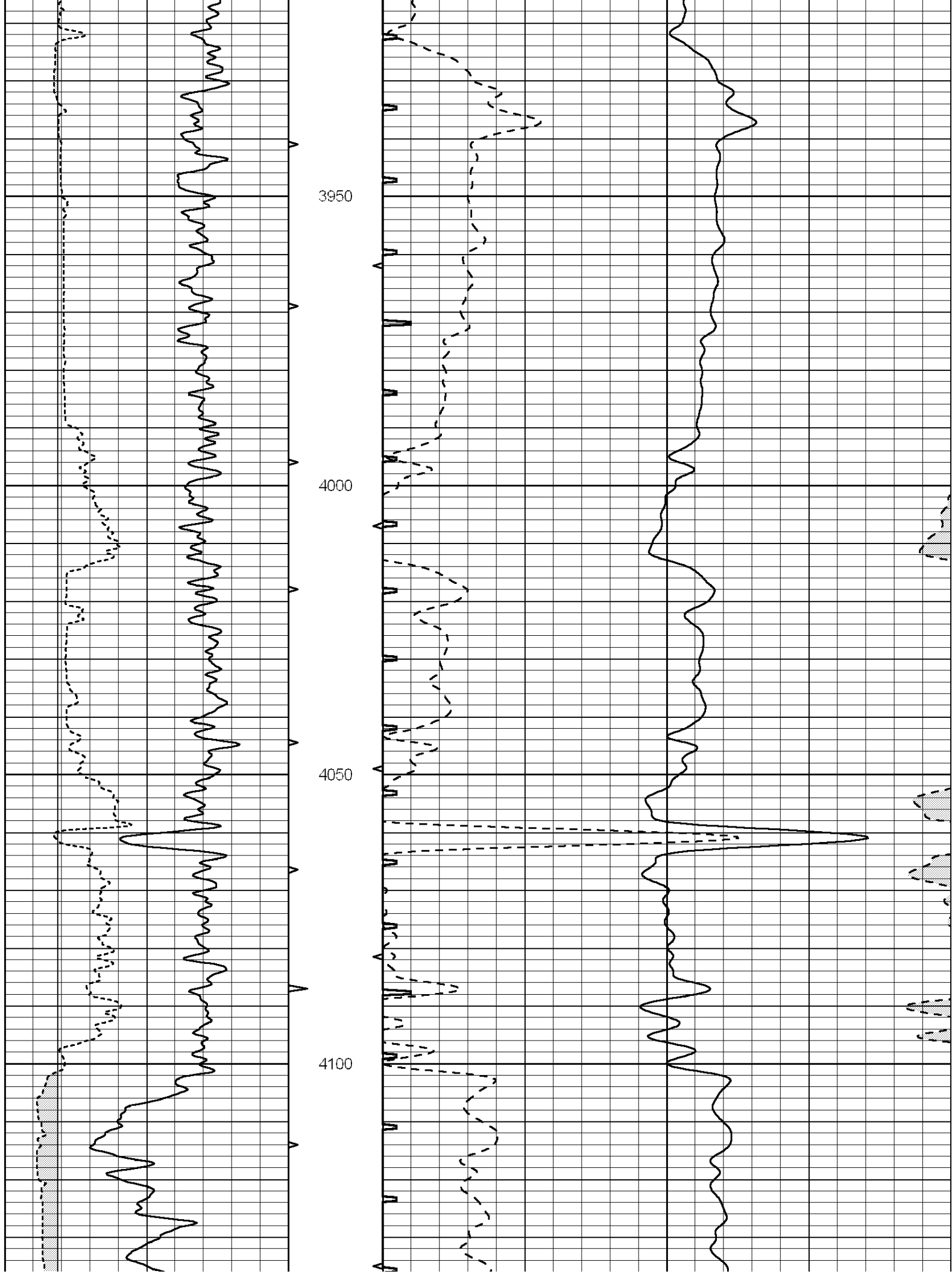


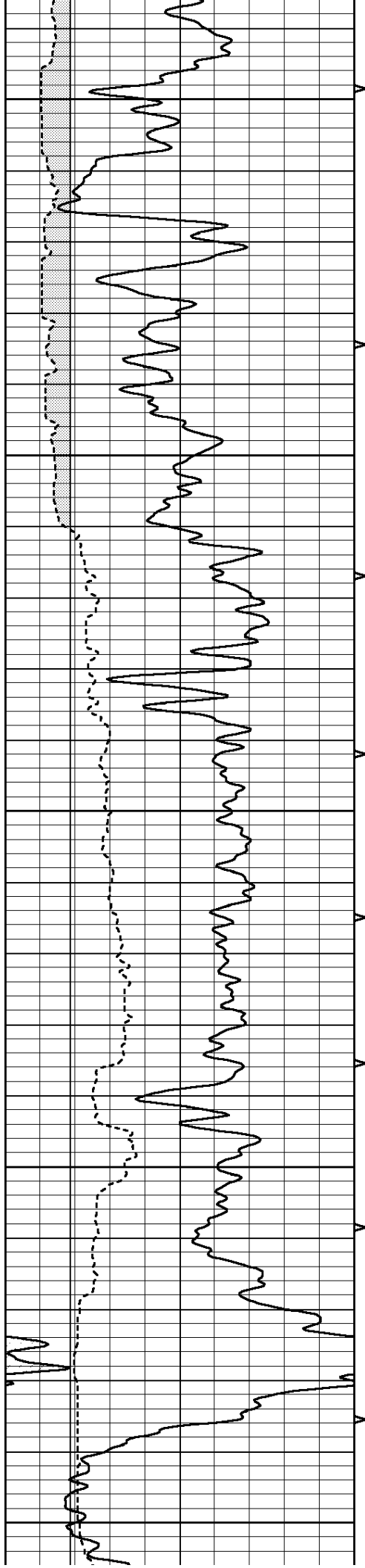












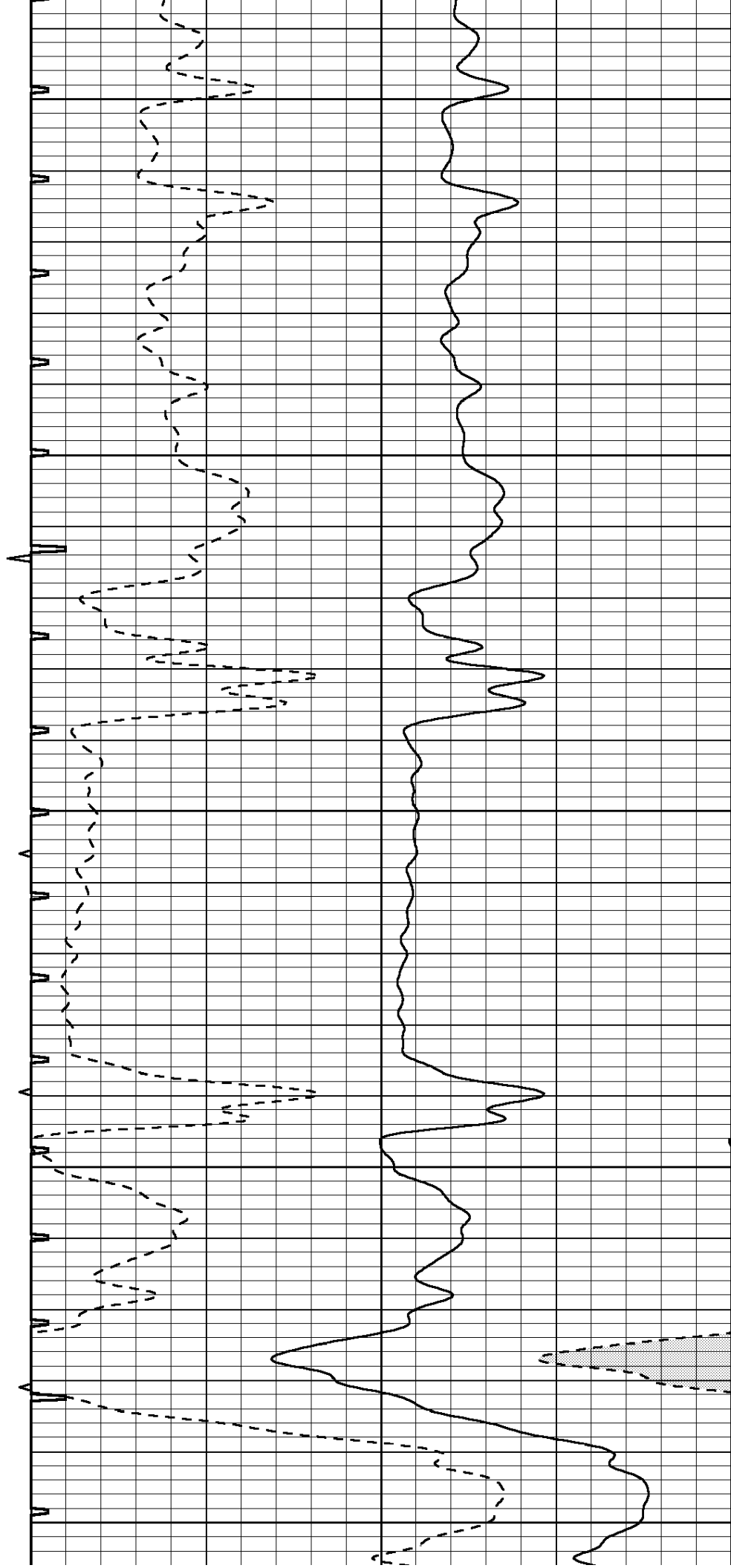
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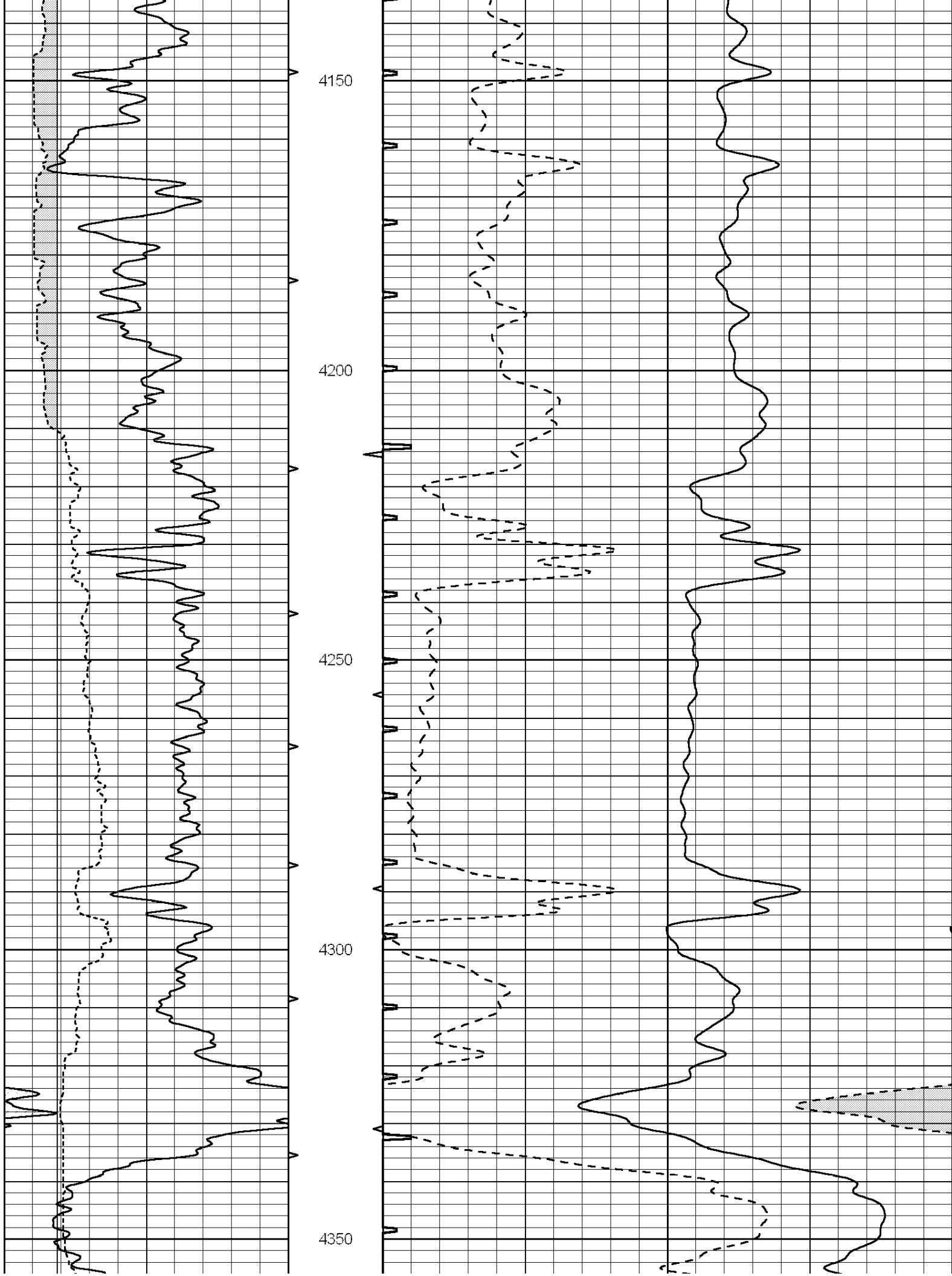
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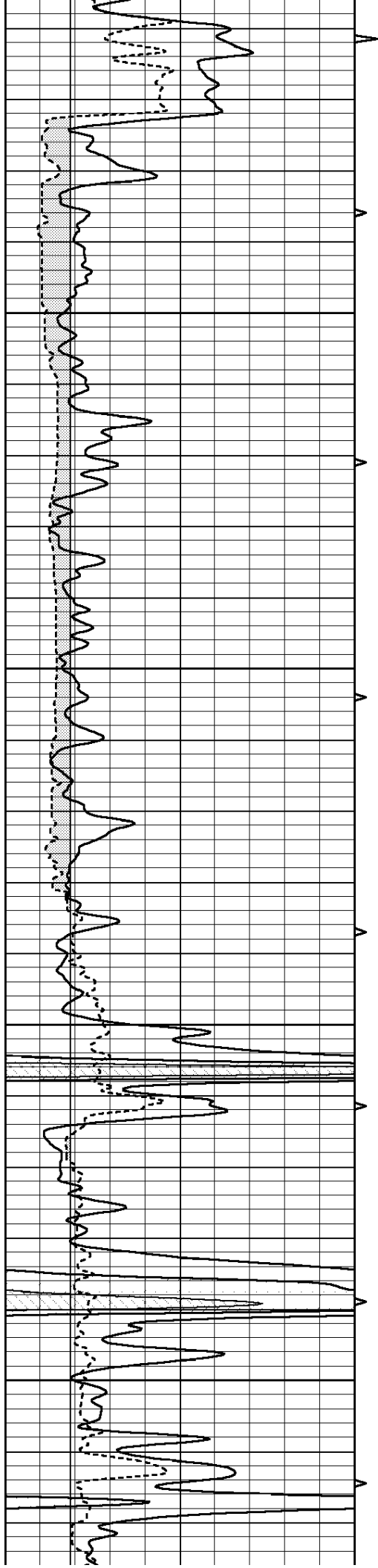
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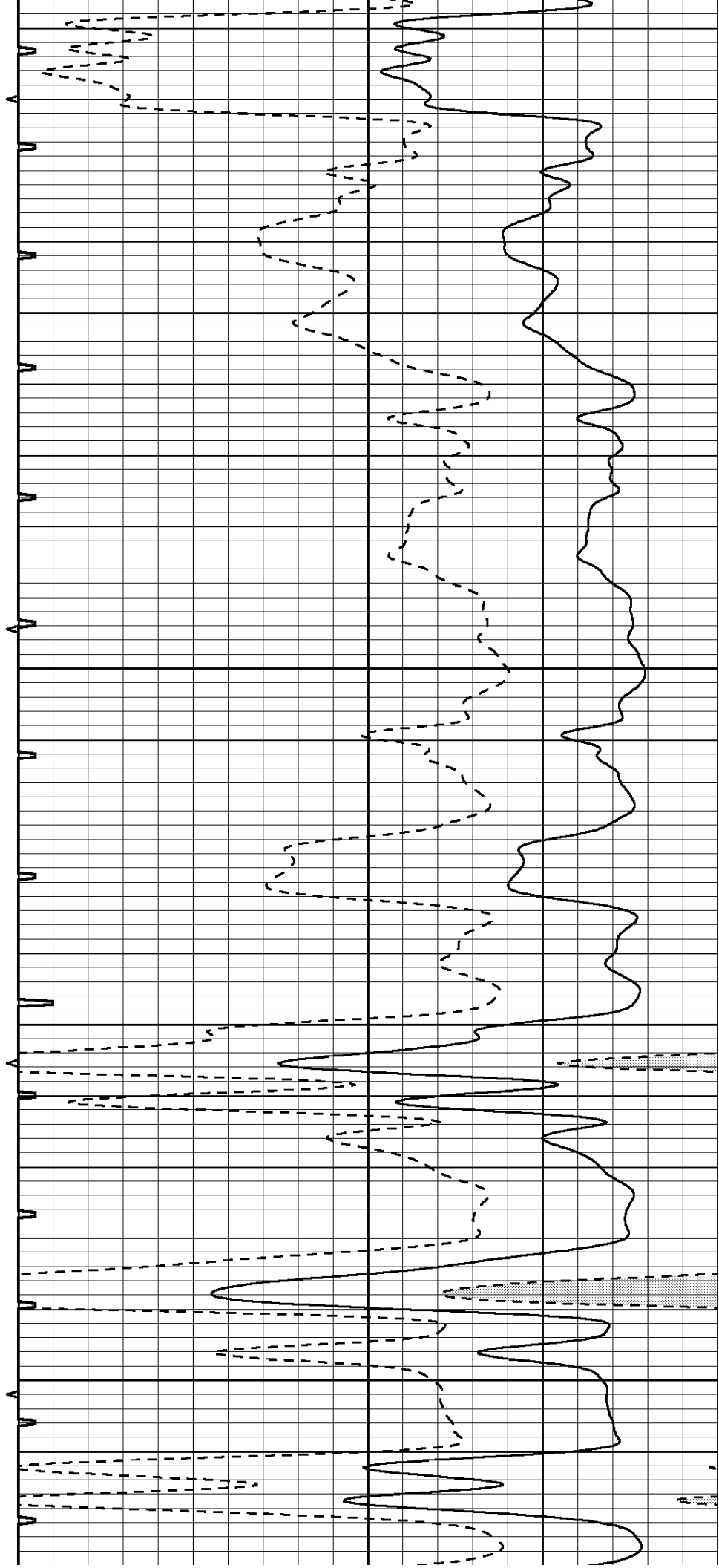


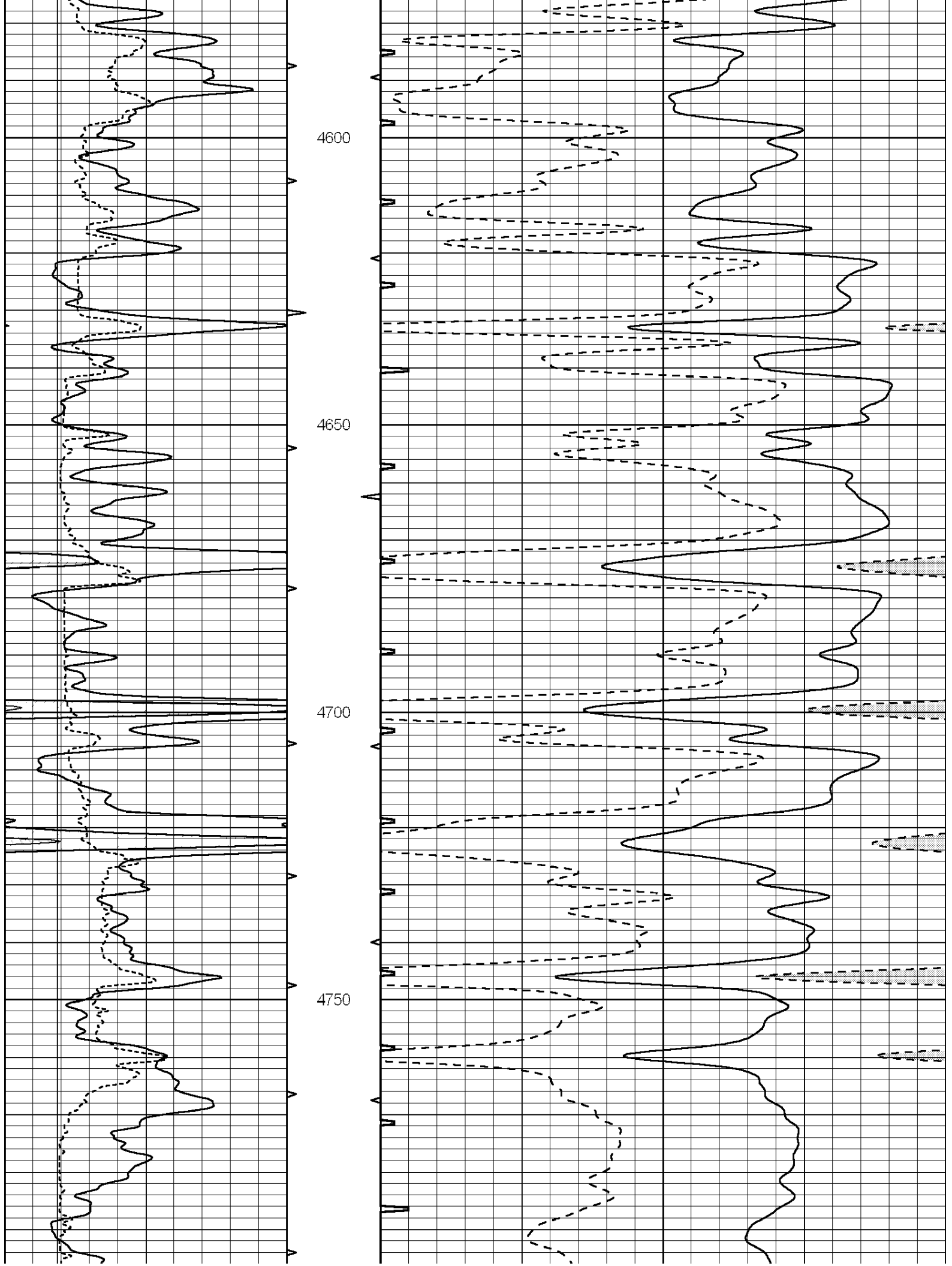
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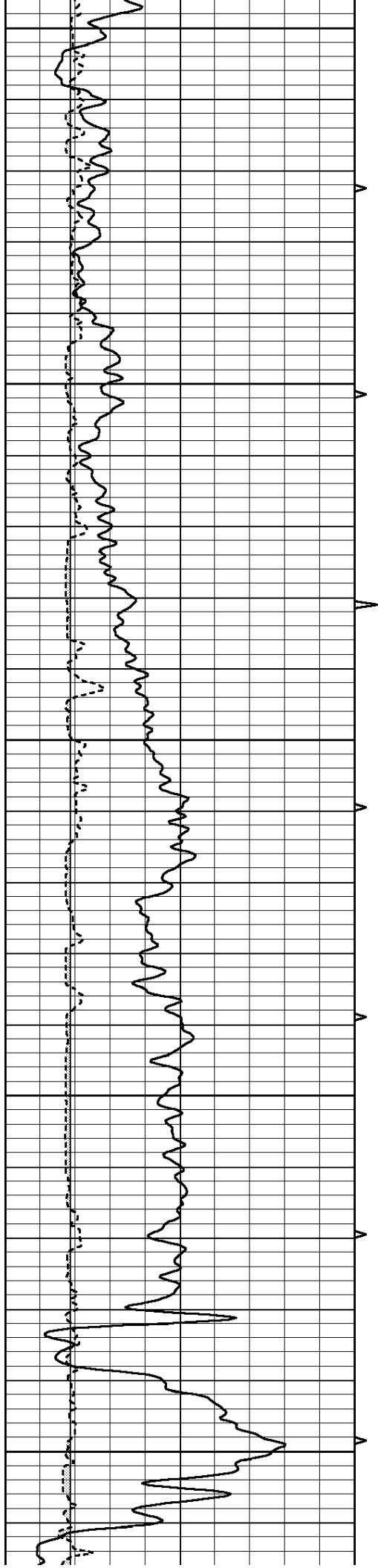
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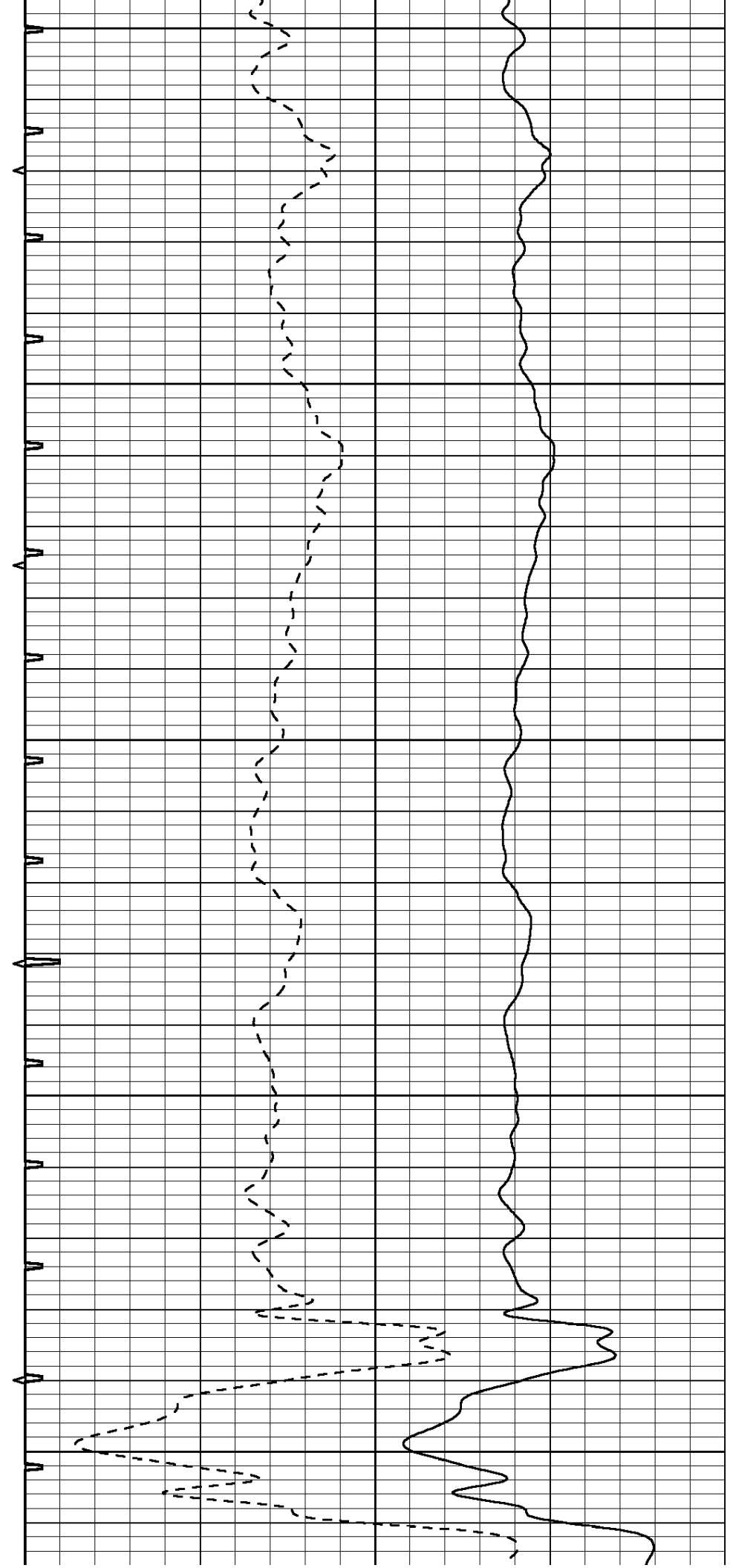
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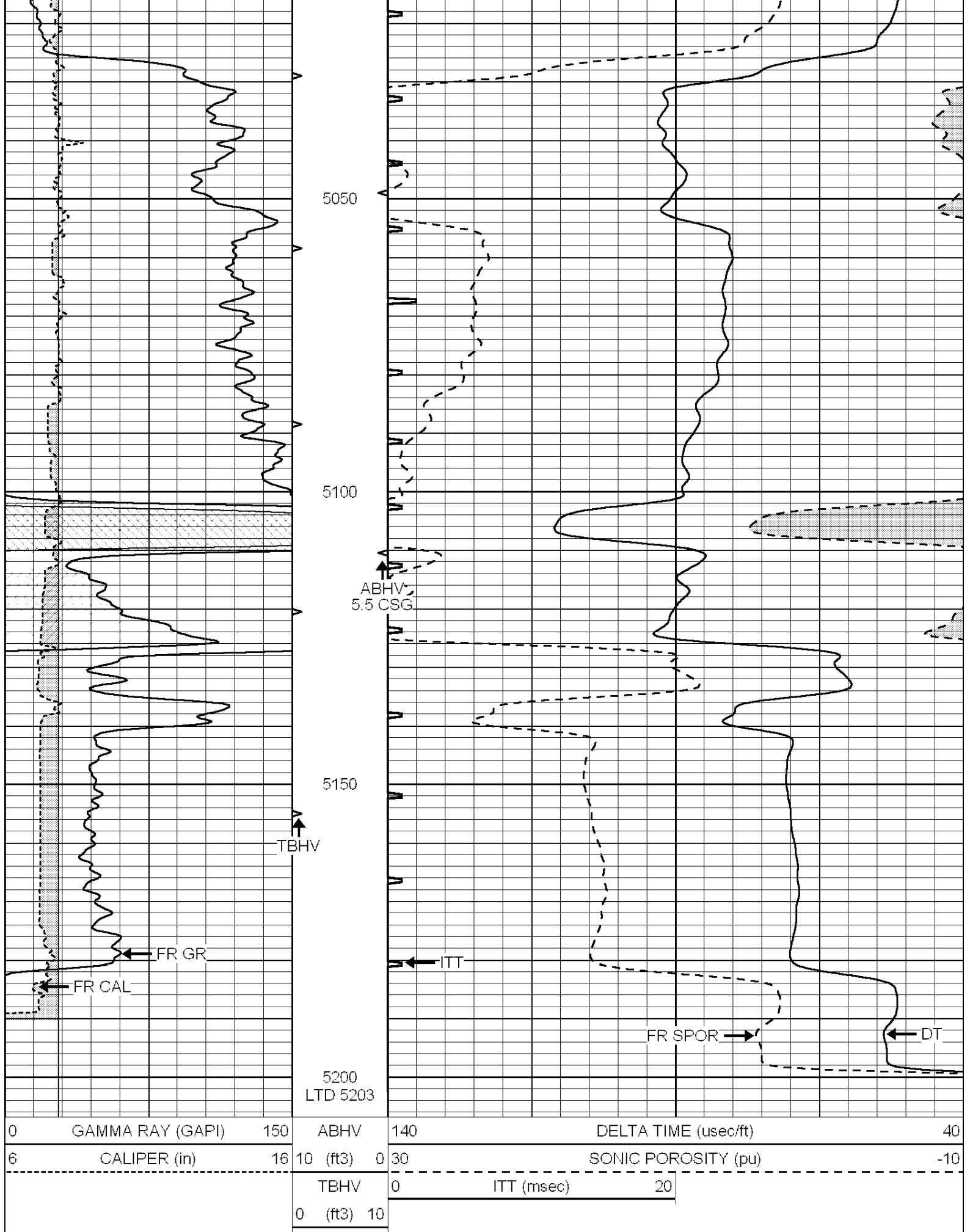






4800  
4850  
4900  
4950  
5000





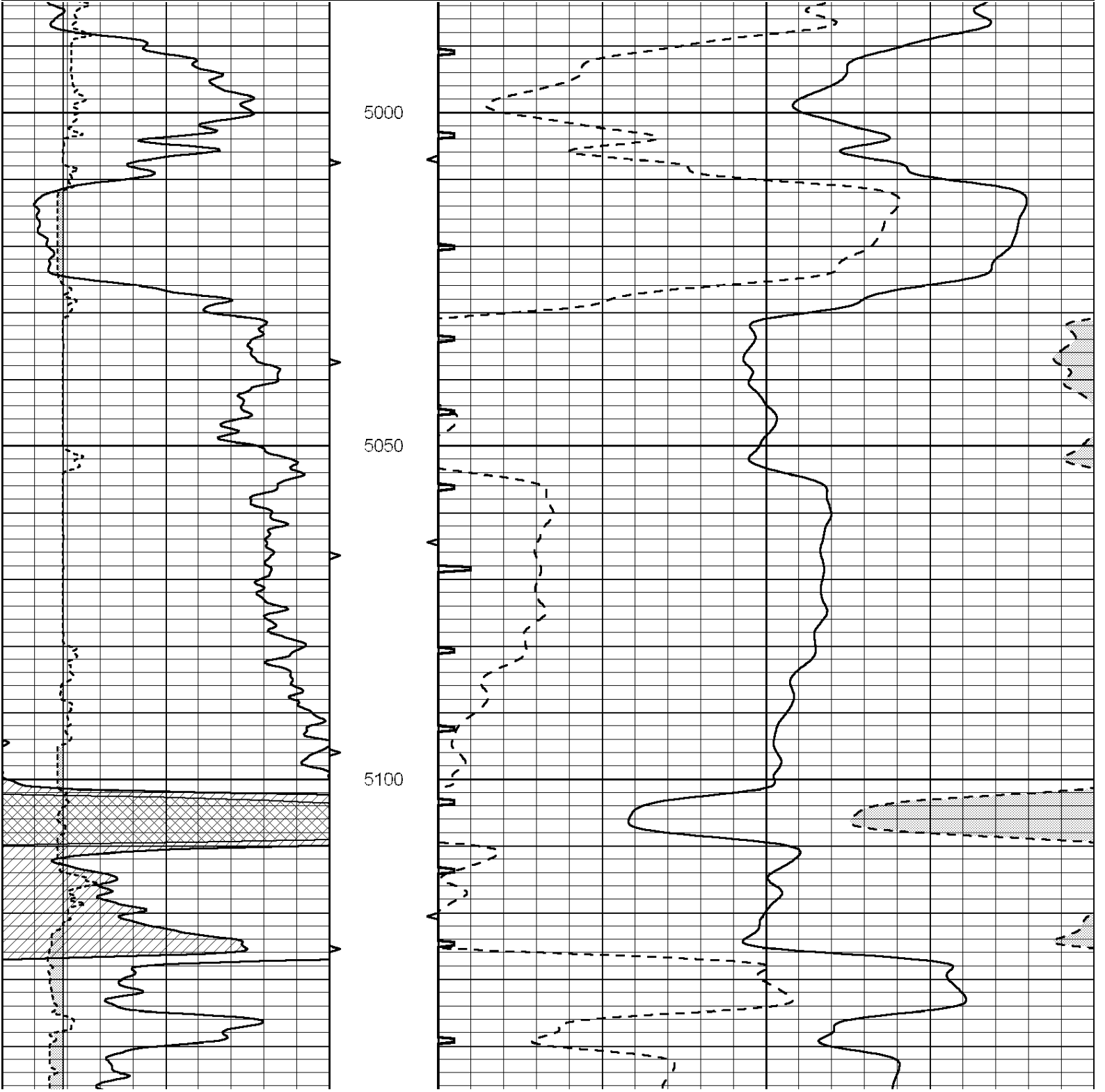


SUPERIOR  
Hays,  
Kansas

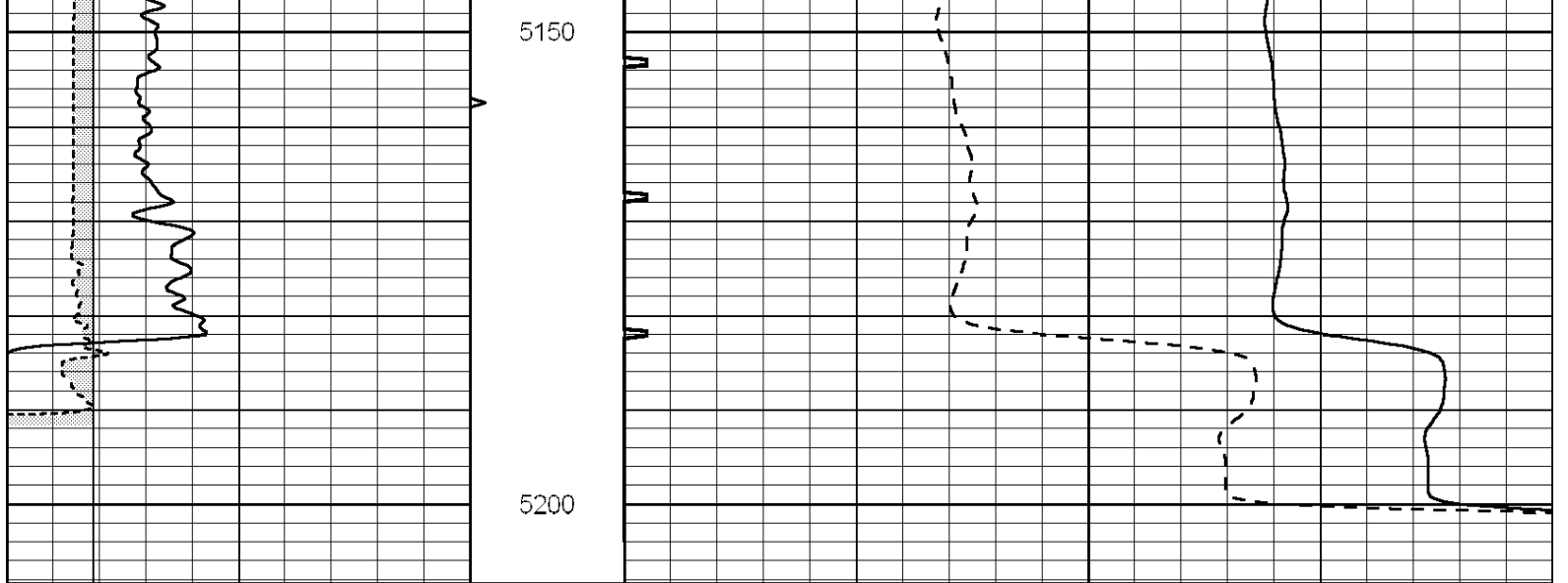
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 Dataset Pathname: pass5.4  
 Presentation Format: \_slt  
 Dataset Creation: Thu Aug 05 15:06:18 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40	
6	CALIPER (in)	16	10 (ft3)	0	30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20	
			0 (ft3)	10			







0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3)	0 30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3)	10		



*Mark Parkinson, Governor  
Thomas E. Wright, Chairman  
Joseph F. Harkins, Commissioner  
Ward Loyd, Commissioner*

November 11, 2010

Tim Hellman  
Lotus Operating Company, L.L.C.  
100 S MAIN STE 420  
WICHITA, KS 67202-3737

Re: ACO1  
API 15-007-23565-00-00  
Koppitz 1  
NW/4 Sec.02-35S-12W  
Barber County, Kansas

Dear Production Department:

We are herewith requesting that the Well Completion Form ACO-1 and attached information for the subject well be held confidential for a period of two years.

Should you have any questions or need additional information regarding subject well, please contact our office.

Respectfully,  
Tim Hellman



PO BOX 31 Russell, KS 67665

RECEIVED

AUG 05 2010

INVOICE

Invoice Number: 123778

Invoice Date: Jul 27, 2010

Page: 1

Voice: (785) 483-3887  
 Fax: (785) 483-5566

**Bill To:**  
 Lotus Operating Co., LLC  
 Lotus Exploration Co.  
 100 S. Main, STE 420  
 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lotus	Kottz #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-01	Medicine Lodge	Jul 27, 2010	8/26/10

Quantity	Item	Description	Unit Price	Amount
135.00	MAT	Class A Common	15.45	2,085.75
90.00	MAT	Pozmix	8.00	720.00
4.00	MAT	Gel	20.80	83.20
8.00	MAT	Chloride	58.20	465.60
225.00	SER	handling	2.40	540.00
15.00	SER	Mileage 225 sx @ .10 per sk per mi	22.50	337.50
1.00	SER	Surface	1,018.00	1,018.00
15.00	SER	Pump Truck Mileage	7.00	105.00

GL# 9208  
 DESC. 225 SX  
 \_\_\_\_\_  
 \_\_\_\_\_  
 WELL # Kopitz

ENTERED  
 AUG 09 2010

Subtotal	5,355.05
Sales Tax	244.88
Total Invoice Amount	5,599.93
Payment/Credit Applied	
<b>TOTAL</b>	<b>5,599.93</b>

ALL PRICES ARE NET, PAYABLE  
 30 DAYS FOLLOWING DATE OF  
 INVOICE. 1 1/2% CHARGED  
 THEREAFTER. IF ACCOUNT IS  
 CURRENT, TAKE DISCOUNT OF

\$ 1338.76

ONLY IF PAID ON OR BEFORE  
 AUG 21 2010

-1,338.76  
 4,261.17

# ALLIED CEMENTING CO., LLC. 042073

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT: Medicine Lodge

DATE <u>7-27-2010</u>	SEC <u>2</u>	TWP <u>35</u>	RANGE <u>R2W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH <u>4:30 AM</u>
LEASE <u>KOPPTZ</u>	WELL # <u>1</u>	LOCATION <u>Little Snake Rd.</u>			COUNTY <u>Barber</u>	STATE <u>Kansas</u>	
OLD OR NEW (Circle one) <u>NEW</u>				<u>1W, 1S, 1W, S/S</u>			

CONTRACTOR Duke #7 OWNER Lotus Operating

TYPE OF JOB Surface

HOLE SIZE <u>14 3/4</u>	T.D.	CEMENT
CASING SIZE <u>10 3/4</u>	DEPTH <u>245'</u>	AMOUNT ORDERED <u>225 SX 60:40:2Y.6cL + 3Y.CC</u>
TUBING SIZE	DEPTH	
DRILL PIPE	DEPTH	
TOOL	DEPTH	

PRES. MAX	MINIMUM	COMMON <u>A. 135 SX @ 15 45</u>	<u>2085 75</u>
MEAS. LINE	SHOE JOINT	POZMIX <u>90 SX @ 8 00</u>	<u>720 00</u>
CEMENT LEFT IN CSG.		GEL <u>4 SX @ 22 00</u>	<u>88 00</u>
PERFS.		CHLORIDE <u>8 SX @ 58 00</u>	<u>465 00</u>
DISPLACEMENT <u>23 3/4</u>		ASC	

EQUIPMENT

PUMP TRUCK # <u>30265</u>	CEMENTER <u>Carl Balchun</u>		
BULK TRUCK # <u>301</u>	HELPER <u>Matt Thimesch</u>		
BULK TRUCK #	DRIVER <u>Jason Thimesch</u>		
BULK TRUCK #	DRIVER		

REMARKS:

Run 245' 10 3/4  
w/ 17' 8 1/2 LT  
Break circ w/ Rig  
Mix 225 SX 60:40:2+2  
Displace with 23 3/4 Bds water  
Leave 20' cement in casing section  
Cement did circulate

CHARGE TO: Lotus Operating

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

HANDLING <u>225</u>	@ <u>2.40</u>	<u>540 00</u>
MILEAGE <u>225/10/15</u>		<u>337 00</u>
TOTAL		<u>4232 00</u>

SERVICE

DEPTH OF JOB <u>245'</u>		
PUMP TRUCK CHARGE	<u>1018 00</u>	
EXTRA FOOTAGE	@	
MILEAGE <u>15</u>	@ <u>7 00</u>	<u>105 00</u>
MANIFOLD	@	
TOTAL		<u>1123 00</u>

PLUG & FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	
TOTAL		

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Erin D Ford

SIGNATURE Erin D Ford

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES 4232 00

DISCOUNT 00 00 IF PAID IN 30 DAYS



PO BOX 31 Russell, KS 67665

RECEIVED

AUG 16 2010

INVOICE

Invoice Number: 123936

Invoice Date: Aug 6, 2010

Page: 1

Voice: (785) 483-3887  
 Fax: (785) 483-5566

**Bill To:**  
 Lotus Operating Co., LLC  
 Lotus Exploration Co.  
 100 S. Main, STE 420  
 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lotus	Kopitz #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Aug 6, 2010	9/5/10

Quantity	Item	Description	Unit Price	Amount
30.00	MAT	Class A Common	15.45	463.50
20.00	MAT	Pozmix	8.00	160.00
2.00	MAT	Gel	20.80	41.60
200.00	MAT	ASC Class A	18.60	3,720.00
1,000.00	MAT	Kol Seal	0.89	890.00
94.00	MAT	FL-160	13.30	1,250.20
50.00	MAT	Flo Seal	2.50	125.00
250.00	SER	Handling	2.40	600.00
18.00	SER	Mileage 250 sx @ .10 per sk per mi	25.00	450.00
1.00	SER	Production Casing	2,092.00	2,092.00
18.00	SER	Pump Truck Mileage	7.00	126.00
1.00	EQP	5.5 Guide Shoe	100.80	100.80
1.00	EQP	5.5 AFU Insert	112.00	112.00
5.00	EQP	5.5 Centralizer	32.20	161.00
1.00	EQP	5.5 Basket	161.00	161.00
1.00	EQP	5.5 Top Rubber Plug	74.00	74.00

ALL PRICES ARE NET, PAYABLE 30 DAYS FOLLOWING DATE OF INVOICE. 1 1/2% CHARGED THEREAFTER. IF ACCOUNT IS CURRENT, TAKE DISCOUNT OF

\$ 2105.26

ONLY IF PAID ON OR BEFORE

Aug 31, 2010

Subtotal	10,527.10
Sales Tax	529.91
Total Invoice Amount	11,057.01
Payment/Credit Applied	
<b>TOTAL</b>	<b>11,057.01</b>

- 2,105.26  
8,951.75

GL# 9308  
 DESC. cement 5 1/2"  
prod csg w/ 250sx  
 WELL # Kopitz

ENTERED  
 AUG 16 2010

# ALLIED CEMENTING CO., LLC. 041377

Federal Tax I.D.# 20-5975804

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
*Medicine Lodge*

DATE <i>8-6-2010</i>	SEC. <i>2</i>	TWP. <i>35</i>	RANGE <i>12W</i>	CALLED OUT	ON LOCATION <i>12:00 AM</i>	JOB START <i>4:00 PM</i>	JOB FINISH <i>5:00 AM</i>
LEASE <i>Kegutz</i>		WELL # <i>1</i>	LOCATION <i>Rattlesnake Rd.</i>		COUNTY <i>Barber</i>	STATE <i>Kansas</i>	
OLD OR NEW (Circle one) <input checked="" type="radio"/> OLD		1 West 1 South West 5/5					

CONTRACTOR *Duke #7*

TYPE OF JOB *Production*

HOLE SIZE *7 7/8* T.D. *5200'*

CASING SIZE *5 1/2" x 14"* DEPTH *5010*

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX MINIMUM

MEAS. LINE SHOE JOINT *23'*

CEMENT LEFT IN CSG.

PERFS.

DISPLACEMENT *121 Bbls Freshwater*

**EQUIPMENT**

PUMP TRUCK CEMENTER *Darin Franklin*

# *340-265* HELPER *Matt Thimesch*

BULK TRUCK

# *381-* DRIVER *Jason Thimesch*

BULK TRUCK

# DRIVER

**REMARKS:**

*Run 5010' 5 1/2 casing Drop ball  
+ circulate w/ Rig  
plug Rat + mouse hole w/ 50 sx  
60:40:4% bel mix + pump  
200 sx ASC wash Pump + Lines  
+ Release plug Displace with  
121 Bbls Freshwater Bump plug  
+ Float held.*

CHARGE TO: *Lotus Operating*

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

To Allied Cementing Co., LLC.  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME *xRLB*

SIGNATURE *[Signature]*

Thank You!!!

OWNER *Lotus Operating*

CEMENT AMOUNT ORDERED

*50 sx 60:40:4*

*200 sx ASC + 5% Kobel + 5% Ft-160 + 1% Normal*

COMMON A	30 sx	@ 15.45	463.50
POZMIX	20 sx	@ 8.00	160.00
GEL	2 sx	@ 20.00	40.00
CHLORIDE		@	
ASC	200 sx	@ 18.60	3720.00
<i>Kobel</i>	<i>1000'</i>	@ <i>-89</i>	<i>890.00</i>
<i>Ft-160</i>	<i>94'</i>	@ <i>13.30</i>	<i>1250.00</i>
<i>Flexal</i>	<i>50'</i>	@ <i>2.50</i>	<i>125.00</i>
		@	
		@	
		@	
		@	
HANDLING	<i>2.50</i>	@ <i>2.40</i>	<i>600.00</i>
MILEAGE	<i>220.10/18</i>		<i>450.00</i>
			TOTAL <i>7700.00</i>

**SERVICE**

DEPTH OF JOB *5010'*

PUMP TRUCK CHARGE *2092.00*

EXTRA FOOTAGE @ \_\_\_\_\_

MILEAGE *18* @ *7.00* *126.00*

MANIFOLD @ \_\_\_\_\_

@ \_\_\_\_\_

@ \_\_\_\_\_

TOTAL *2218.00*

**PLUG & FLOAT EQUIPMENT**

1- Peg Guide shoe	@	100.00
1- AFU INSERT	@	112.00
5- Centralizers	@ 32.00	160.00
1- Basket	@	16.00
1- Tap Rubber plug	@	74.00
TOTAL <i>608.00</i>		

SALES TAX (If Any) \_\_\_\_\_

TOTAL CHARGES ~~\_\_\_\_\_~~

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

~~\_\_\_\_\_~~