



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

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: _____



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
_____ Perforate _____ Protect Casing _____ Plug Back TD _____ 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) _____

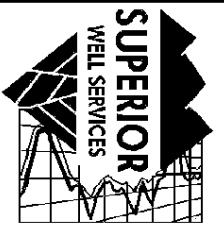
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
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DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD 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	Raymond Oil Company, Inc.
Well Name	Michaelis 1
Doc ID	1059135

All Electric Logs Run

Density/Neutron
Dual
Sonic
Micro



**SUPERIOR
Hays,
Kansas**

**SONIC
LOG**

Company RAYMOND OIL COMPANY INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN State KANSAS

Company RAYMOND OIL COMPANY, INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN
State KANSAS

Location: API #: 15-109-20996
1258' FNL & 836' FEL
SEC 3 TWP 14S RGE 32W
Permanent Datum GROUND LEVEL Elevation 2863
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/MEL
Elevation
K.B. 2868
D.F.
G.L. 2863

Date	4-4-11
Run Number	TWO
Depth Driller	4670
Depth Logger	4668
Bottom Logged Interval	4660
Top Log Interval	260
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 61
pH / Fluid Loss	8.8 / 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.70 @ 69F
Rmf @ Meas. Temp	0.53 @ 69F
Rmc @ Meas. Temp	0.84 @ 69F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400 @ 121F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	3:45 A.M.
Maximum Recorded Temperature	121F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	MAX LOVELY

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, 18S, 1/8W INTO.

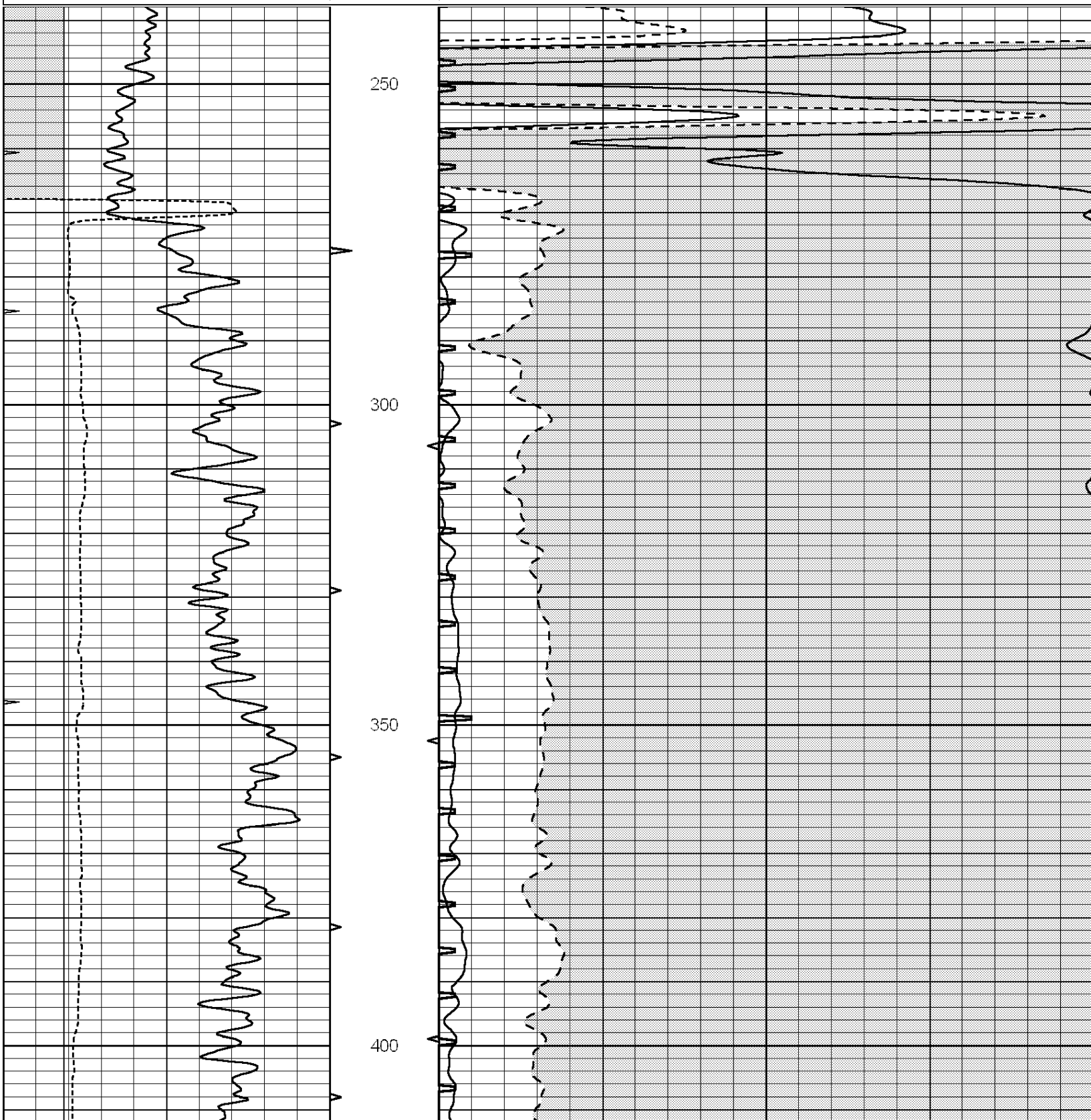


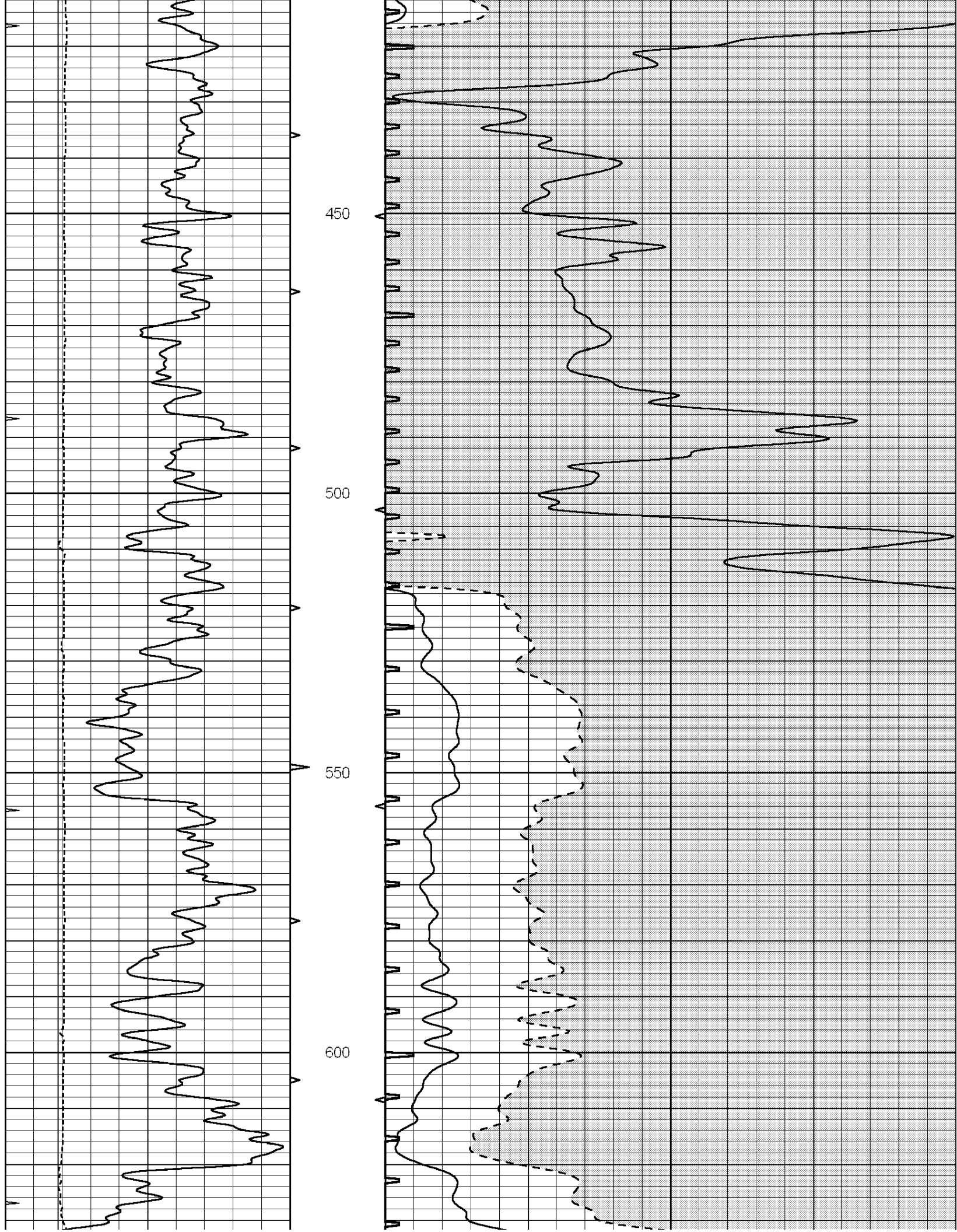
**SUPERIOR
Hays,
Kansas**

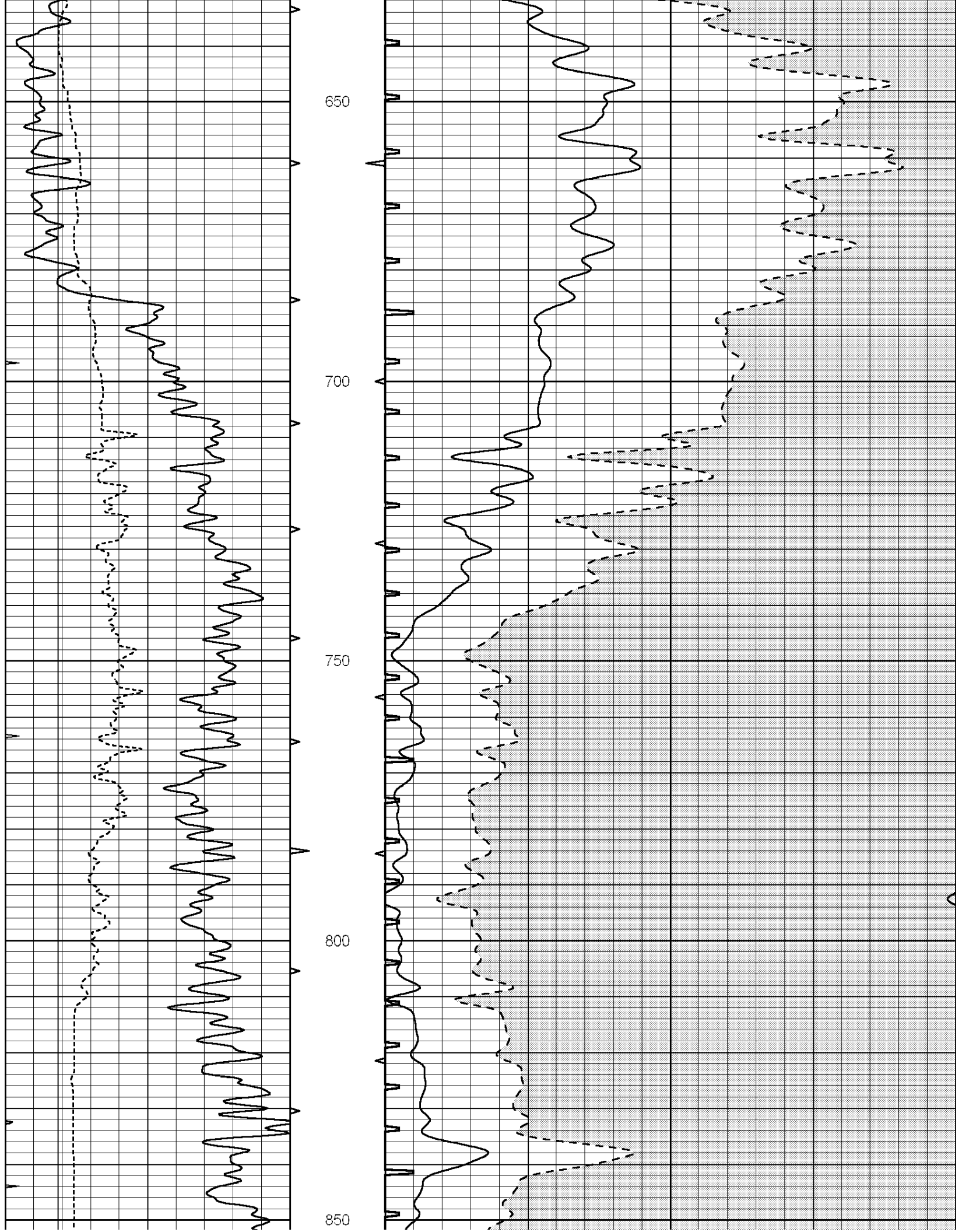
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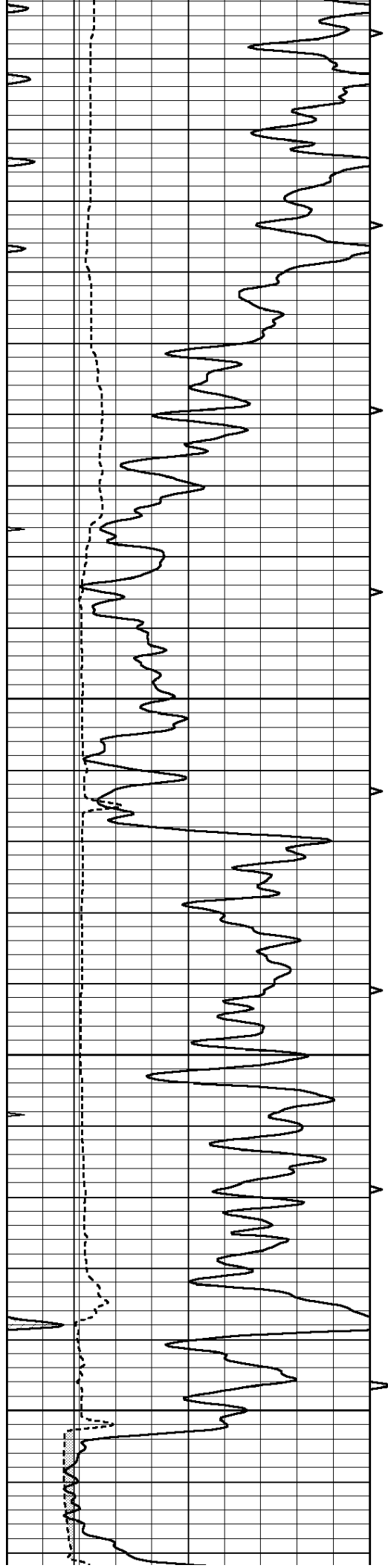
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6	MELCAL (in)	16	10 (ft3) 0	30	SONIC POROSITY (pu)	-10
0	MINMK	20	TBHV	0	ITT (msec)	20
			0 (ft3) 10			







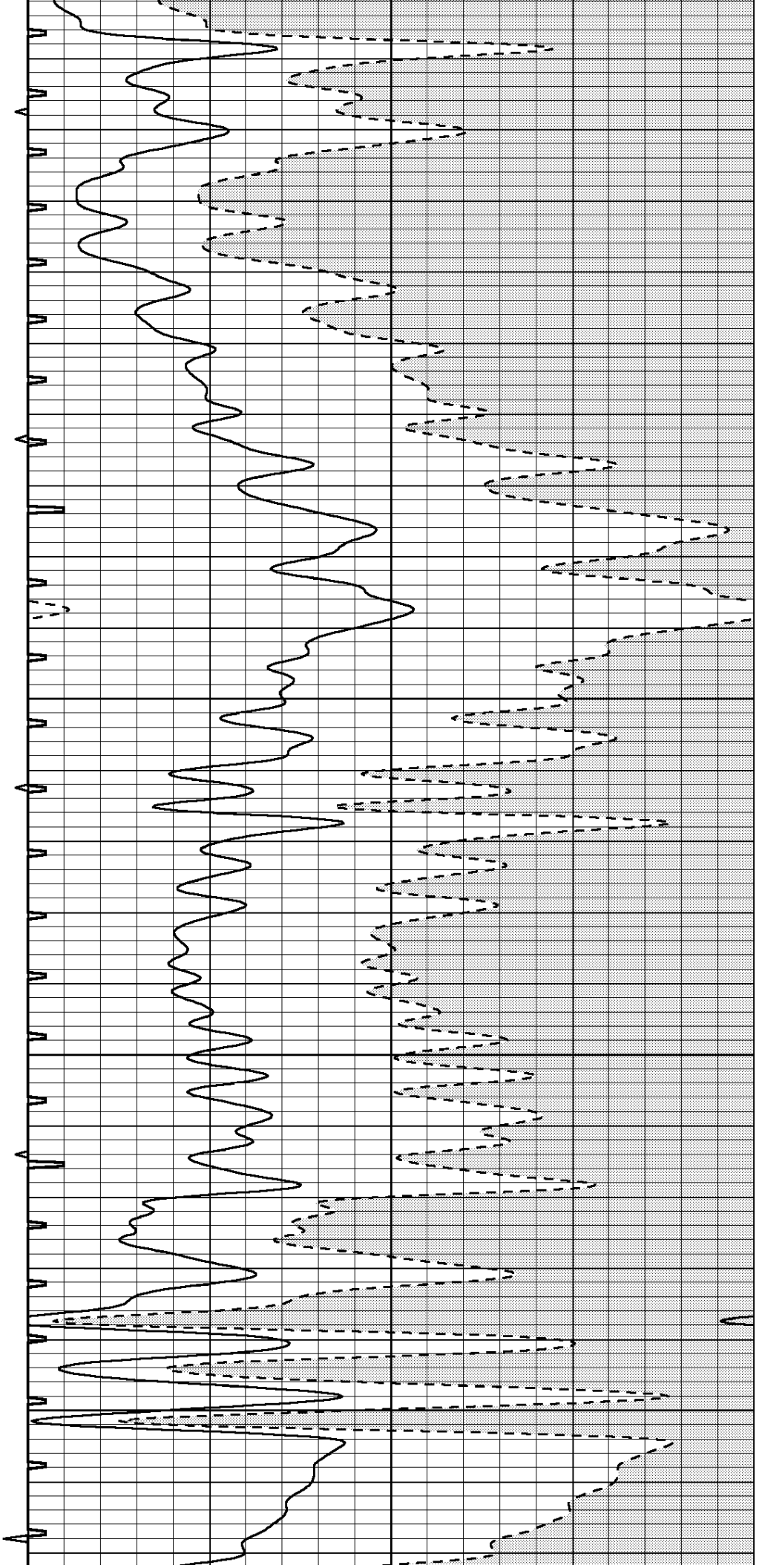


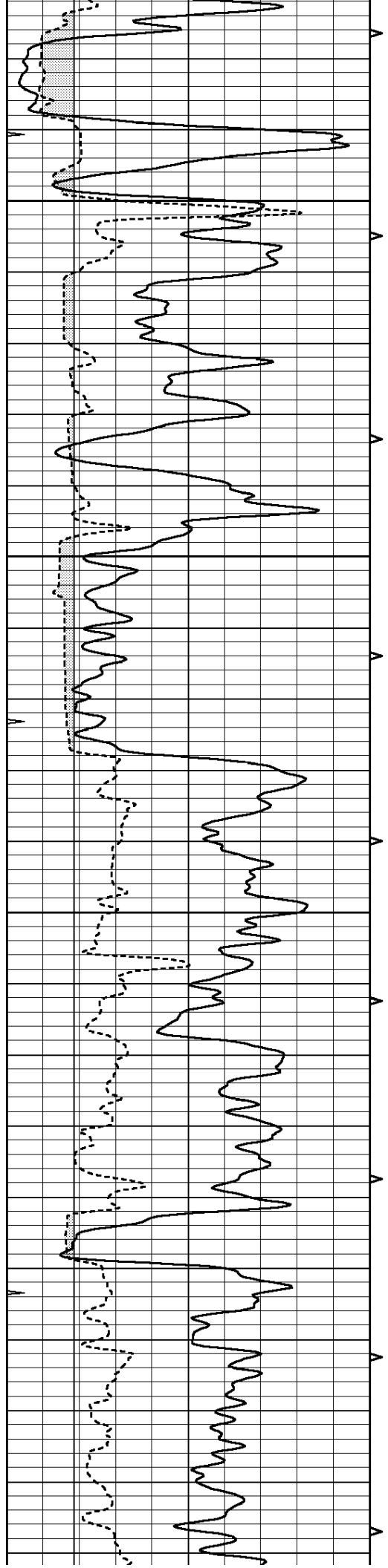
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1000

1050



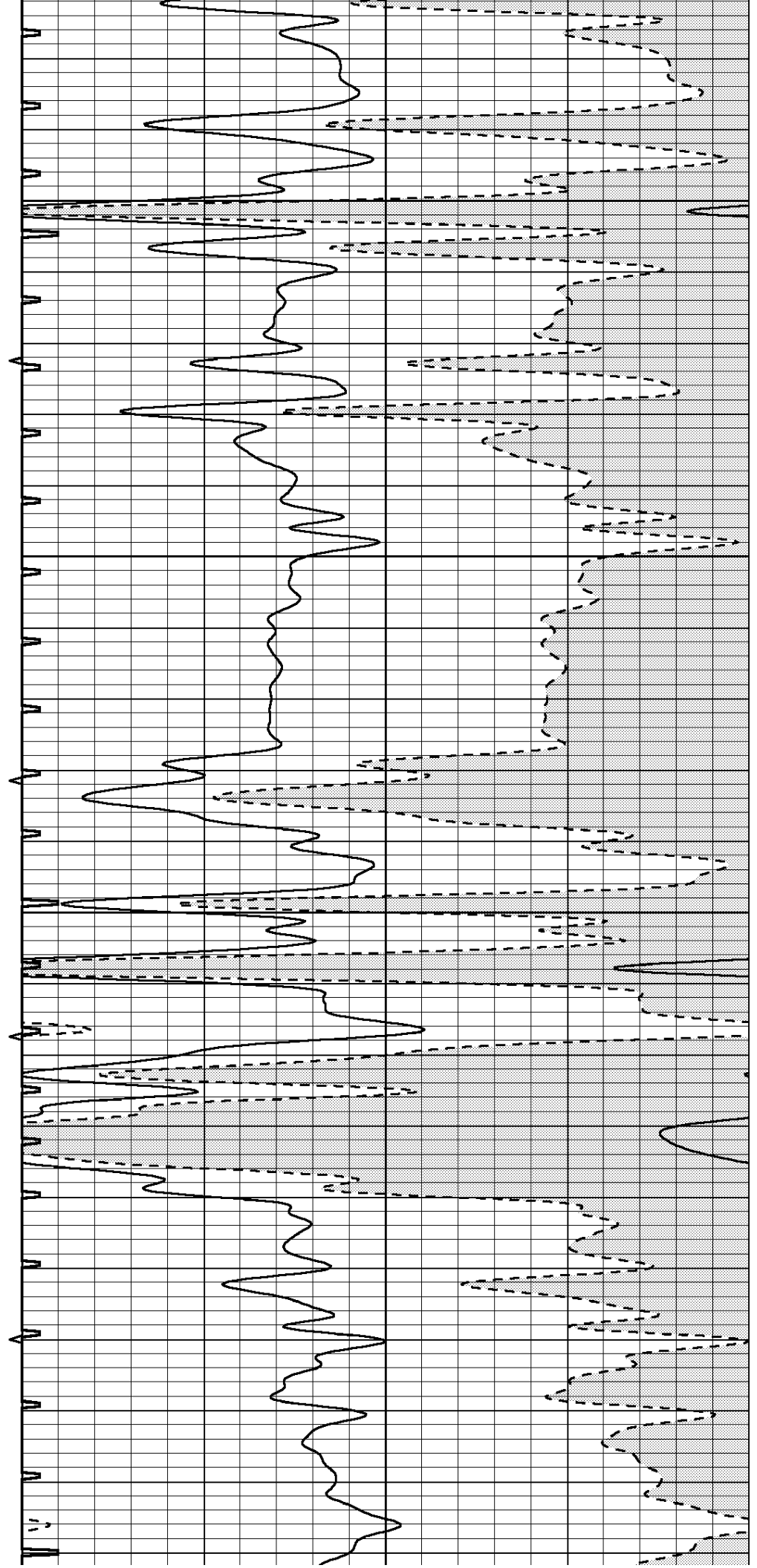


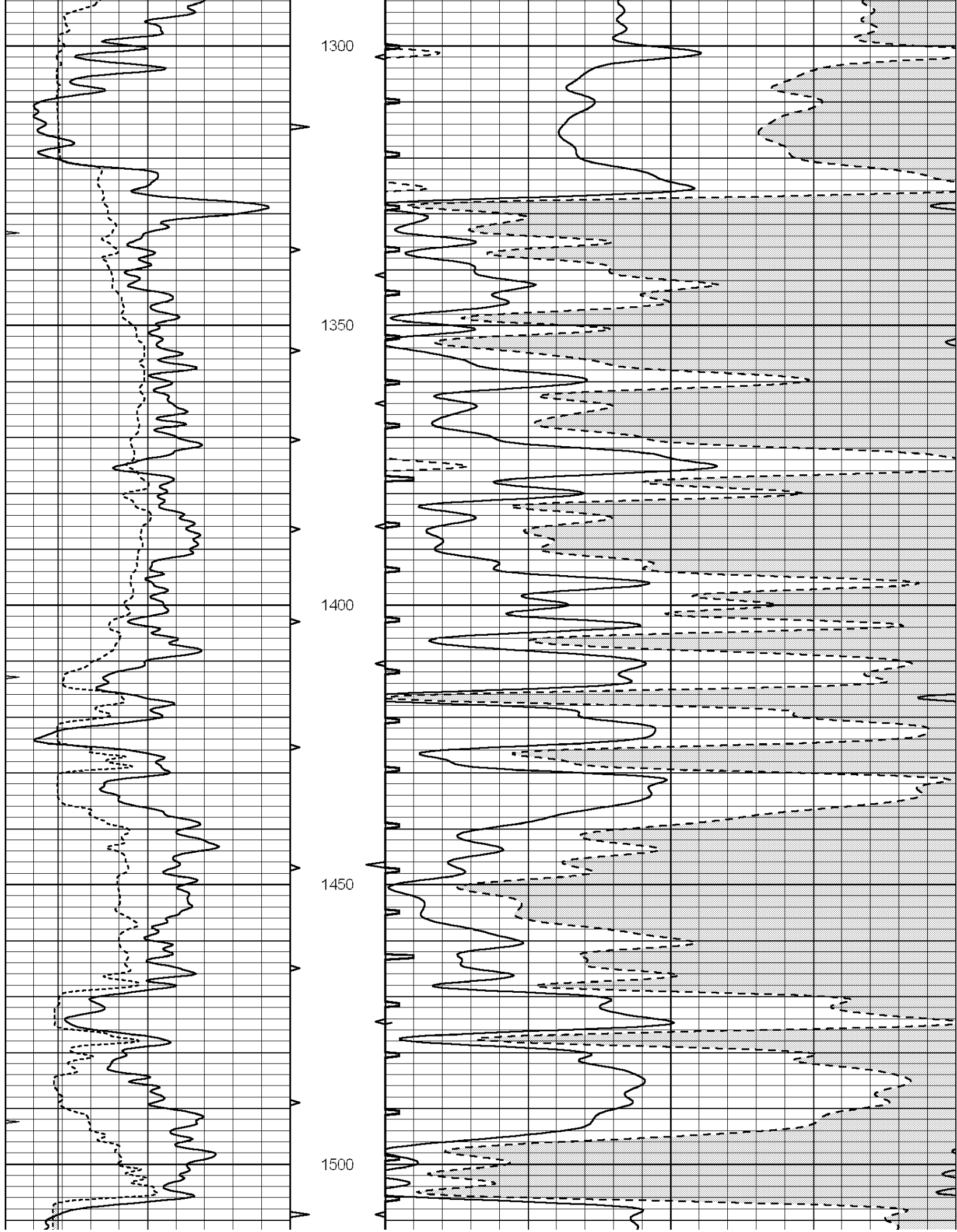
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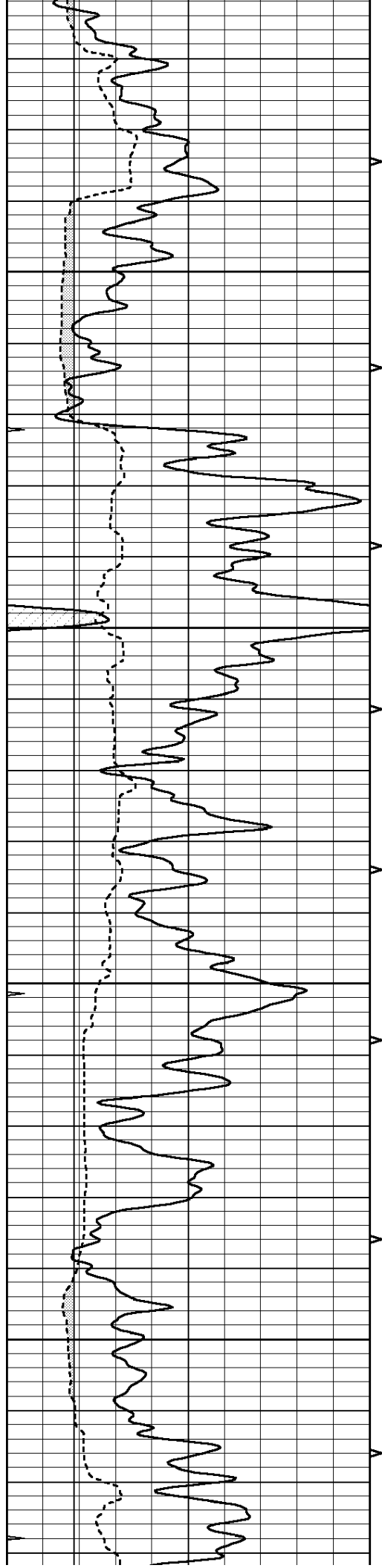
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1200

1250





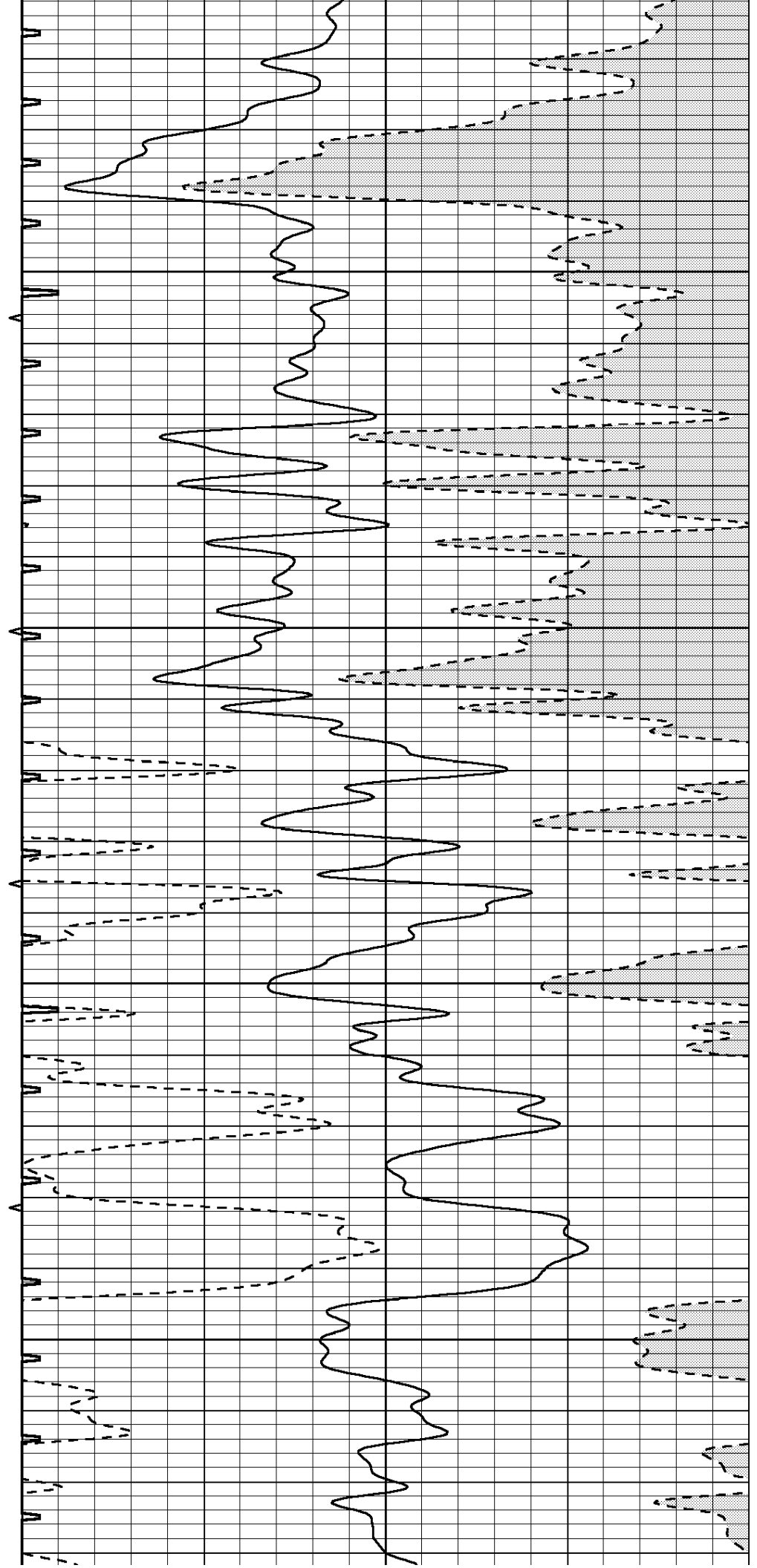


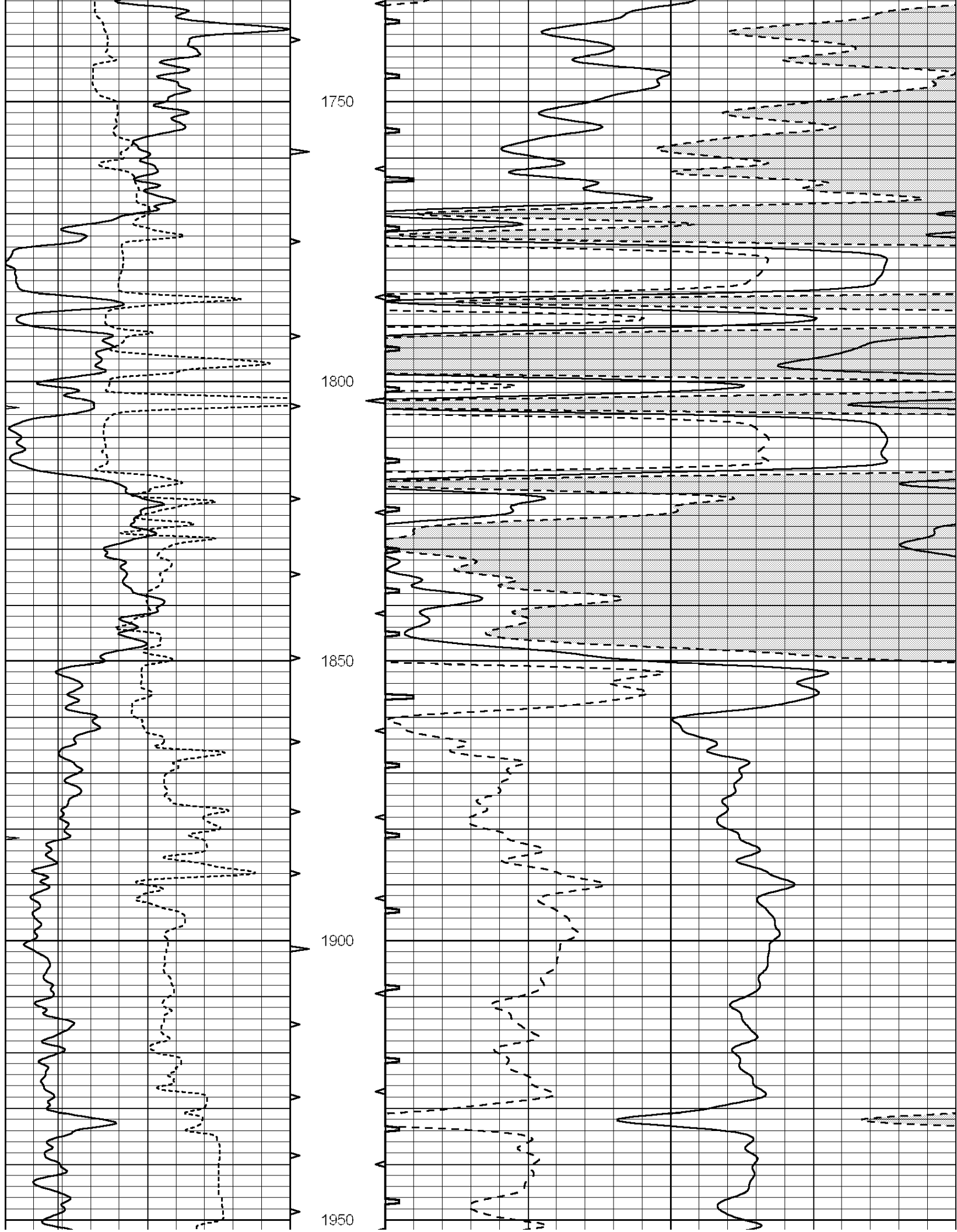
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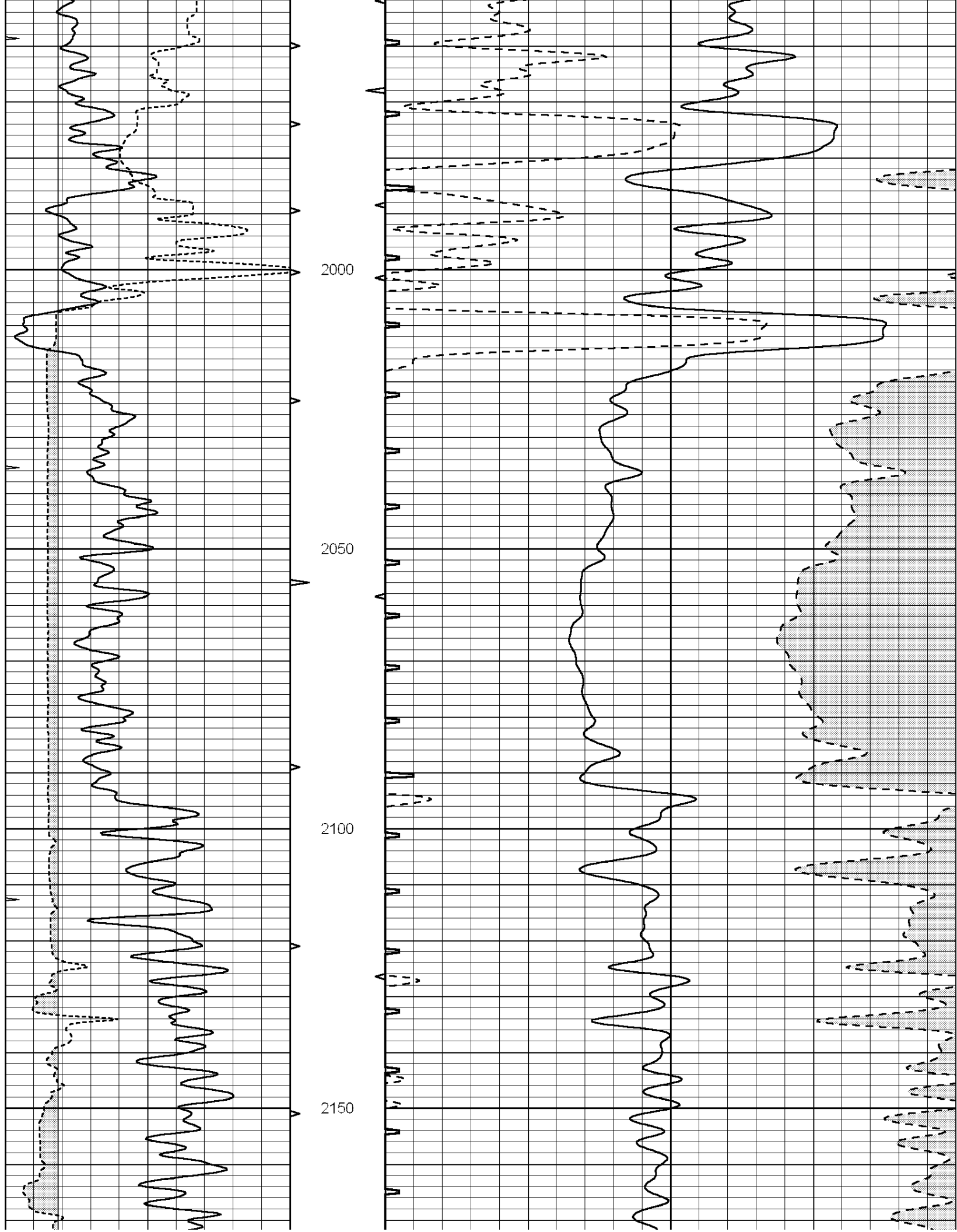
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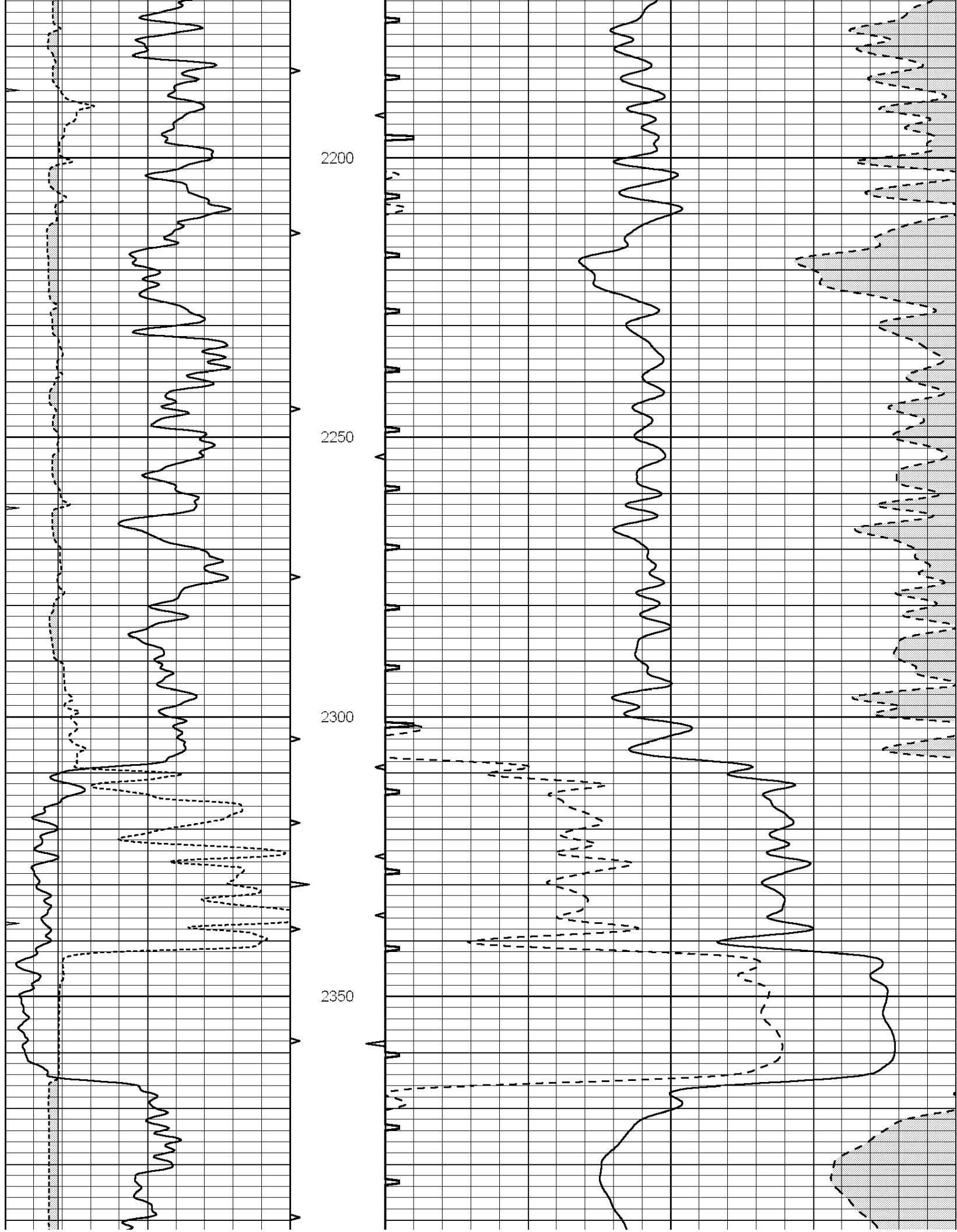
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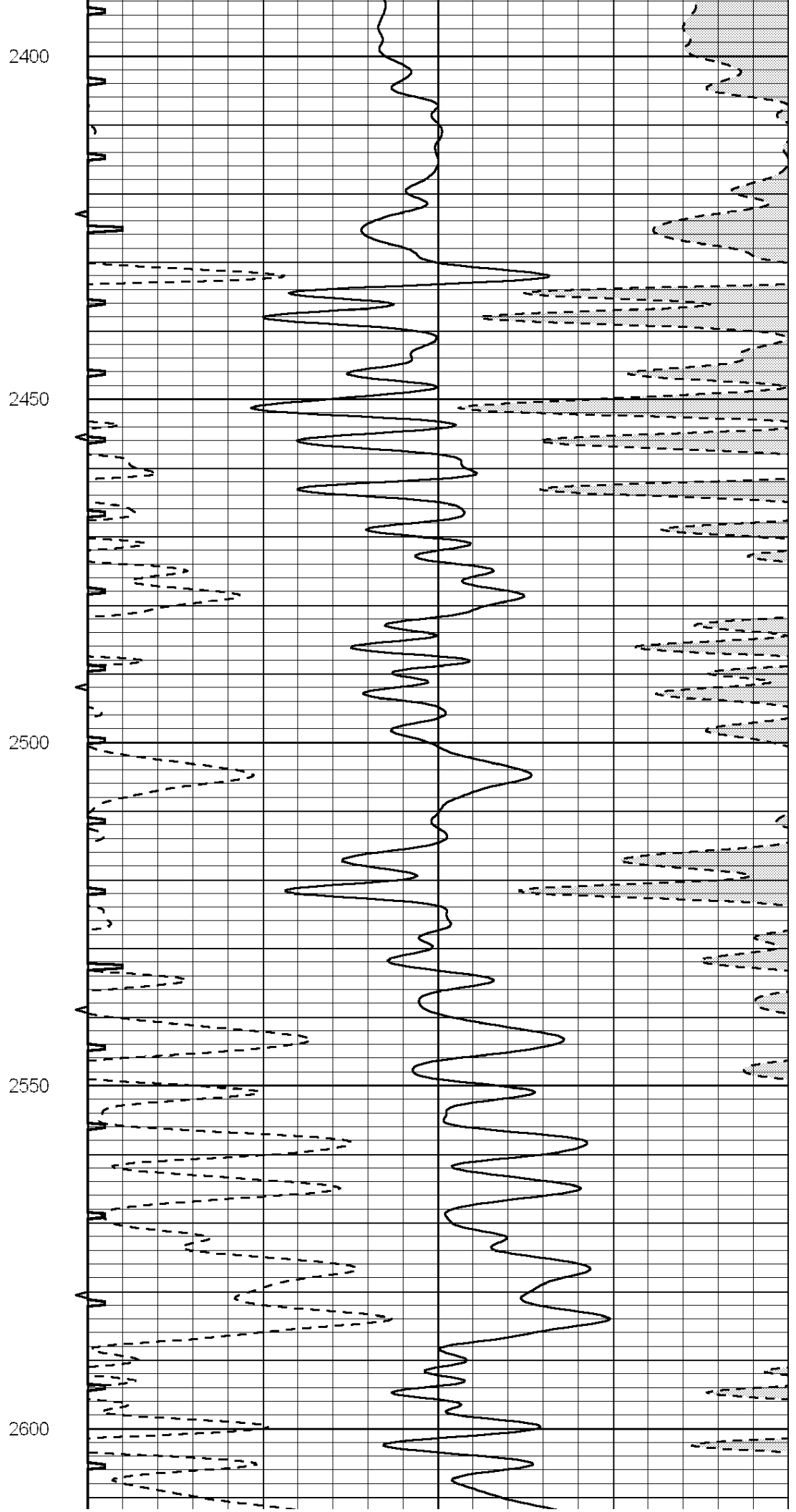
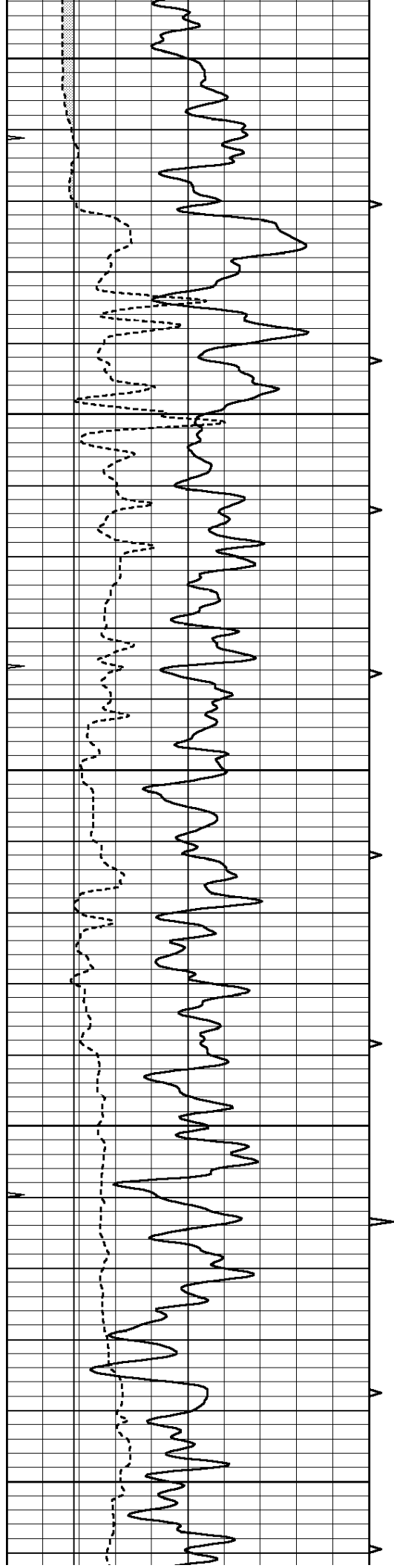
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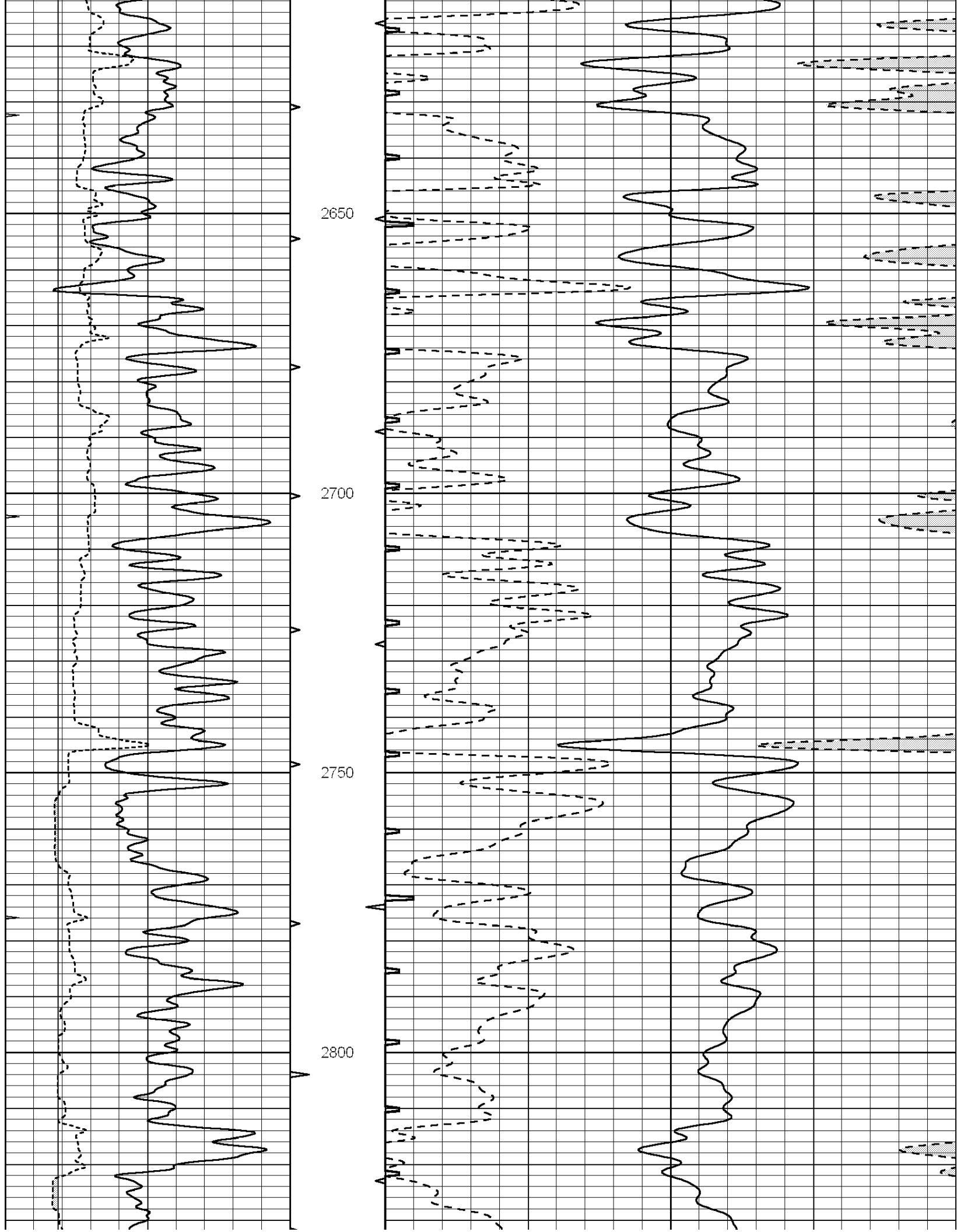


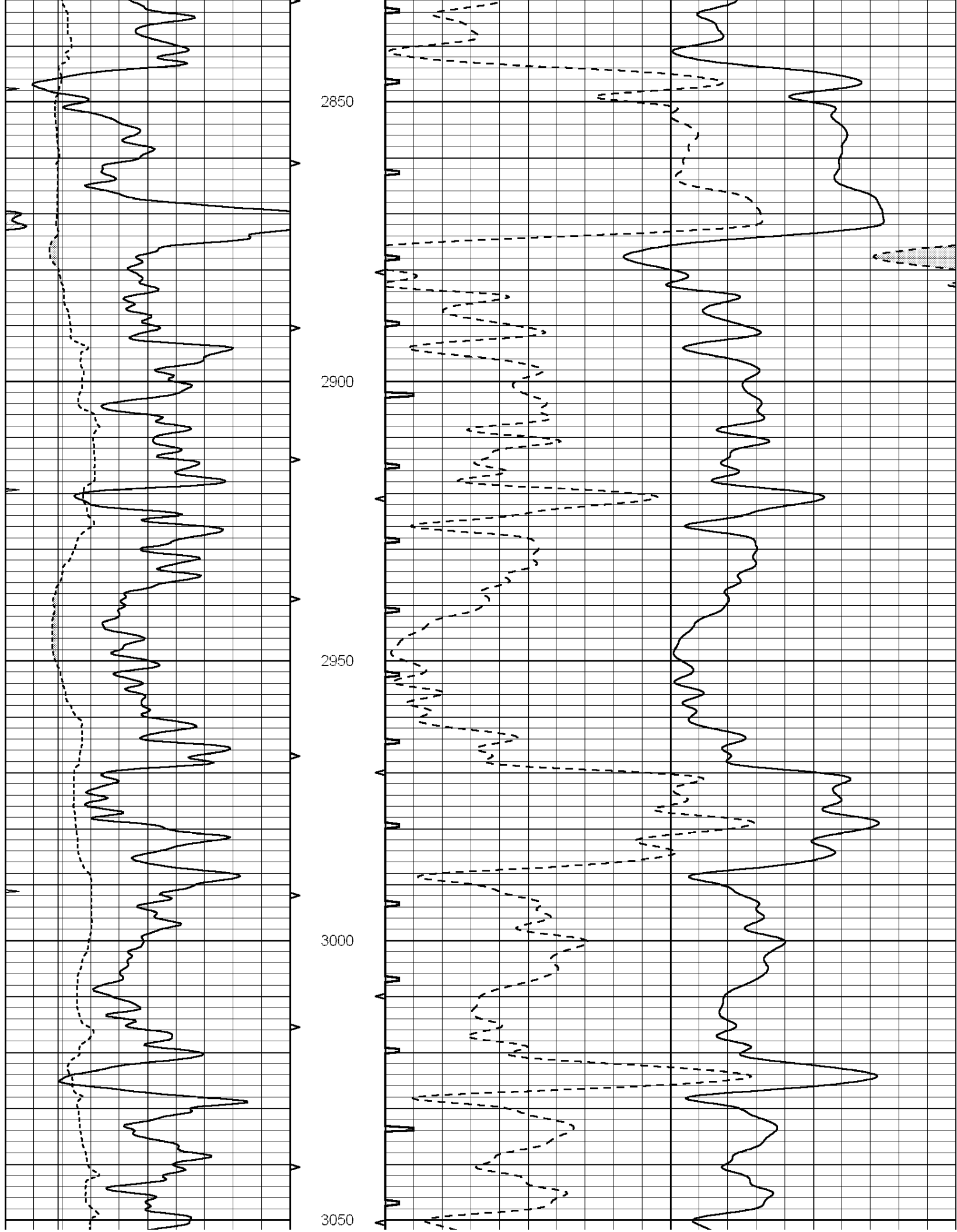


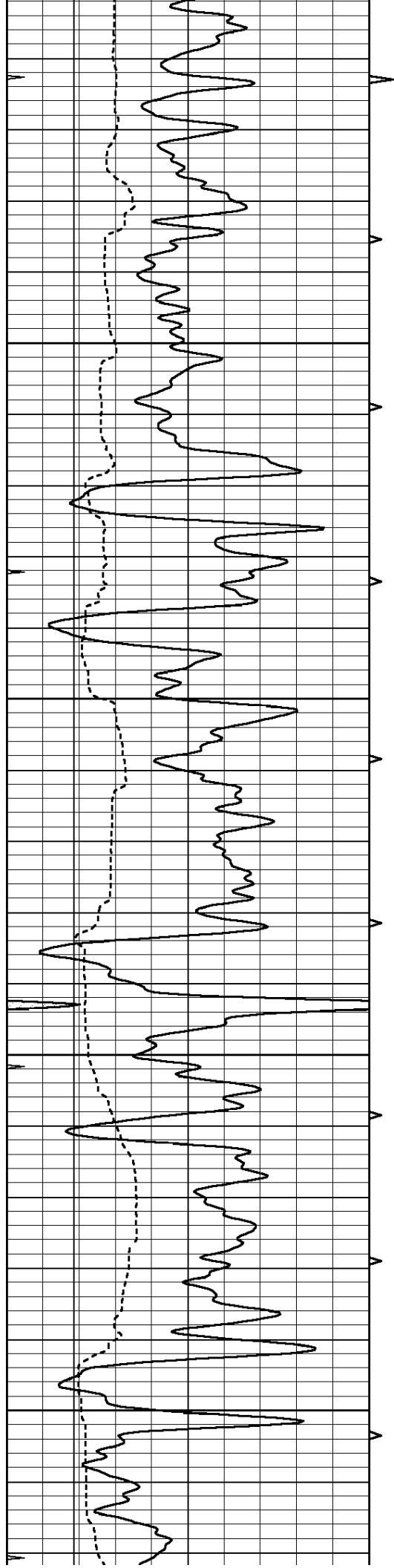










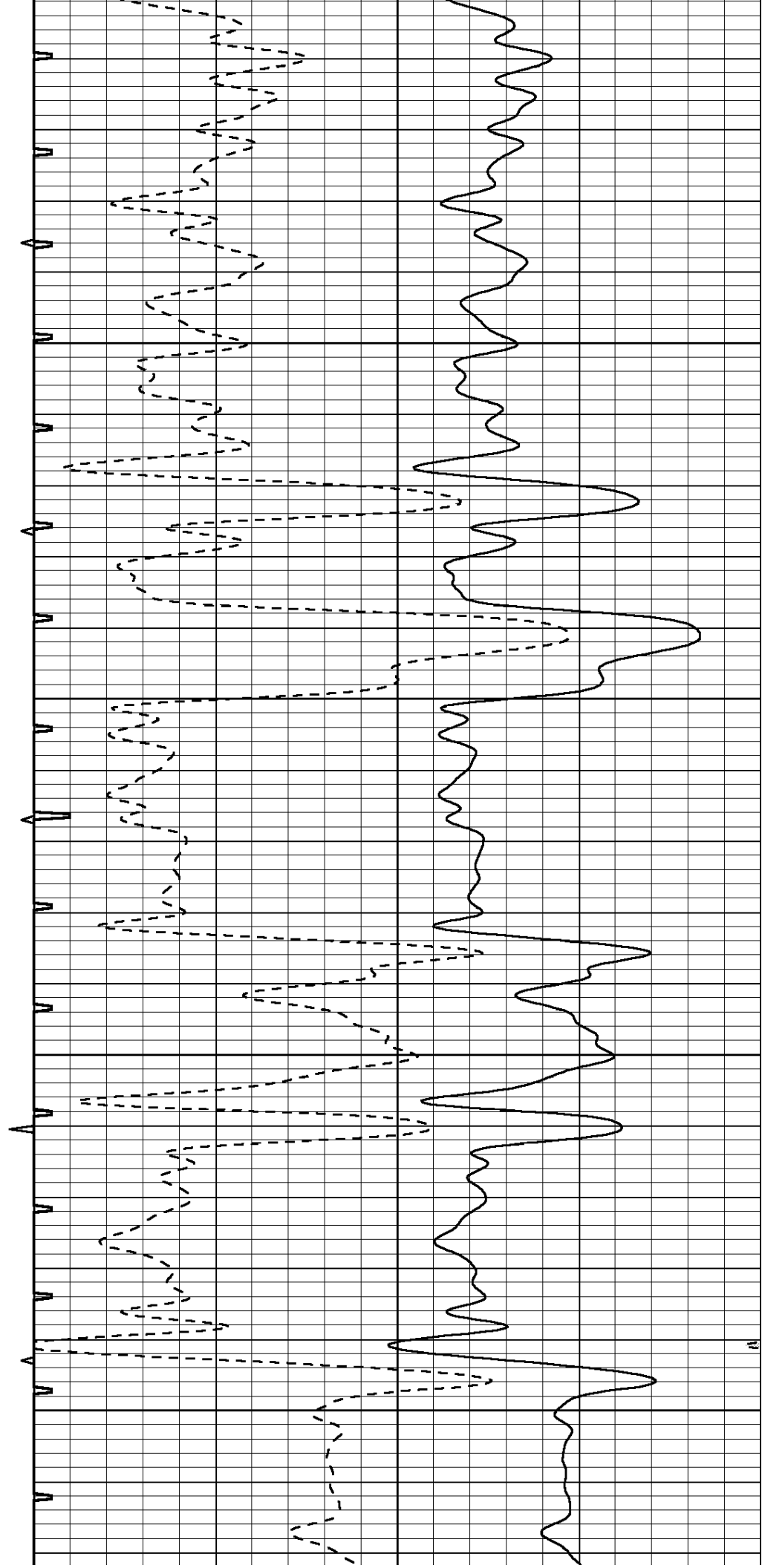


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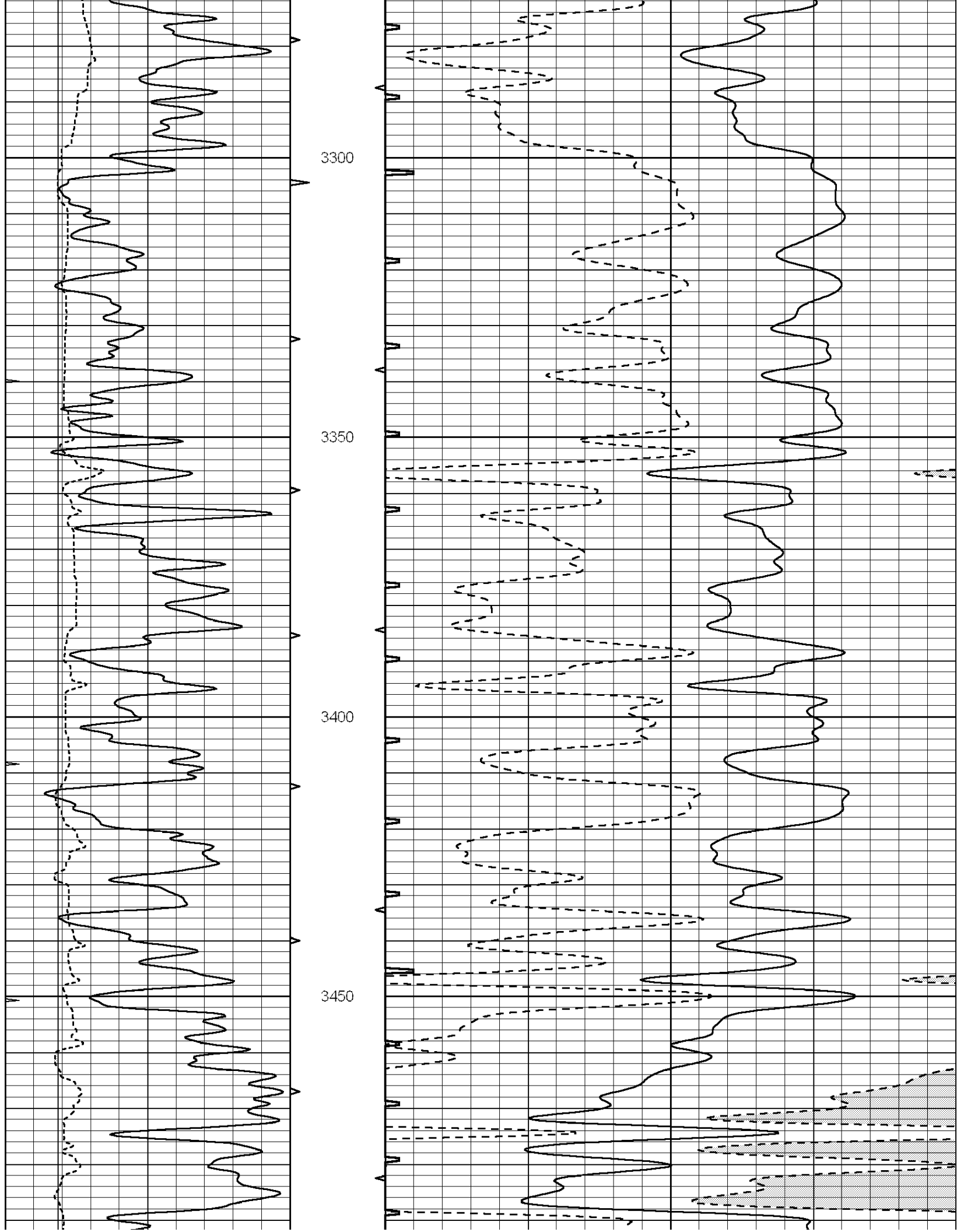
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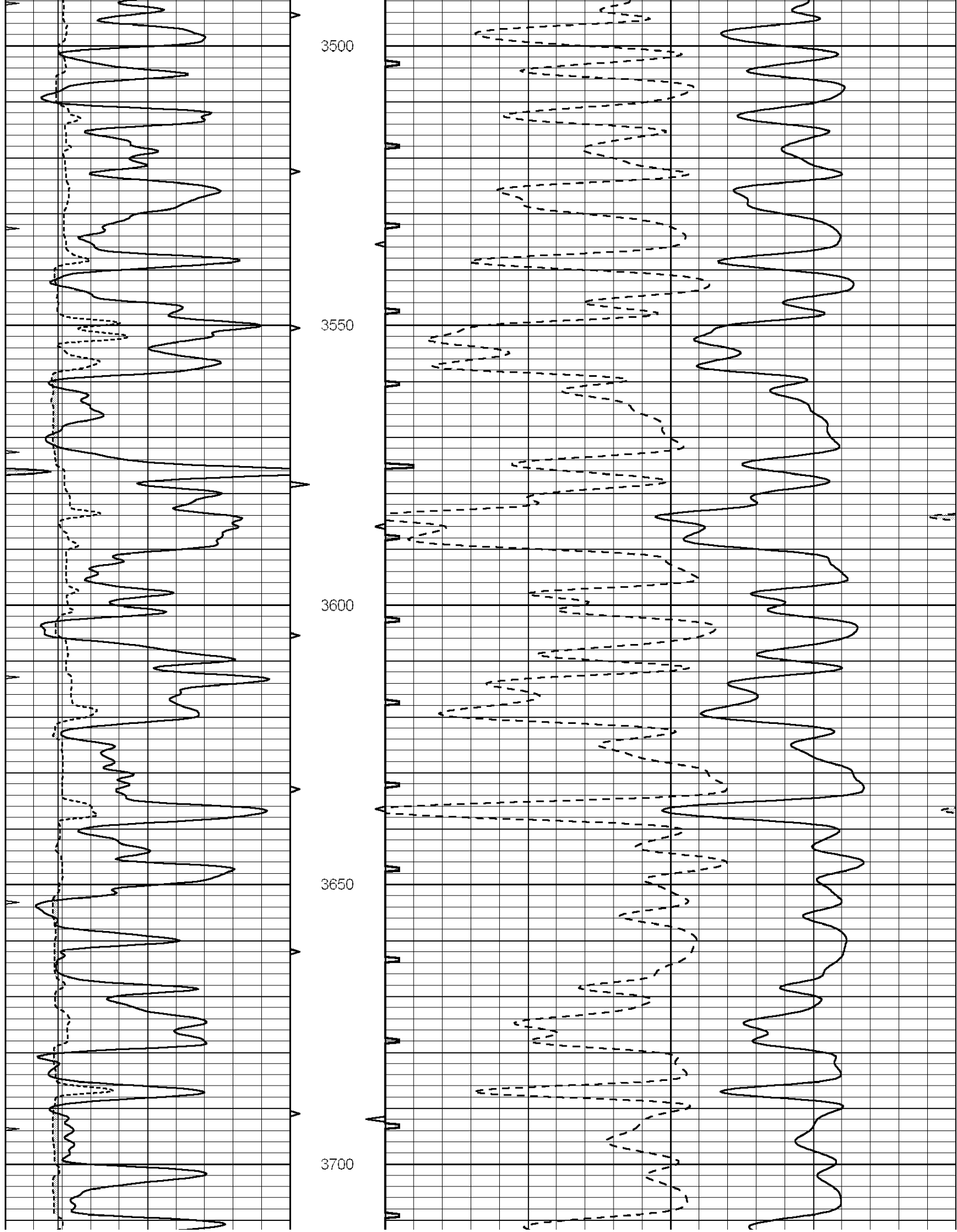
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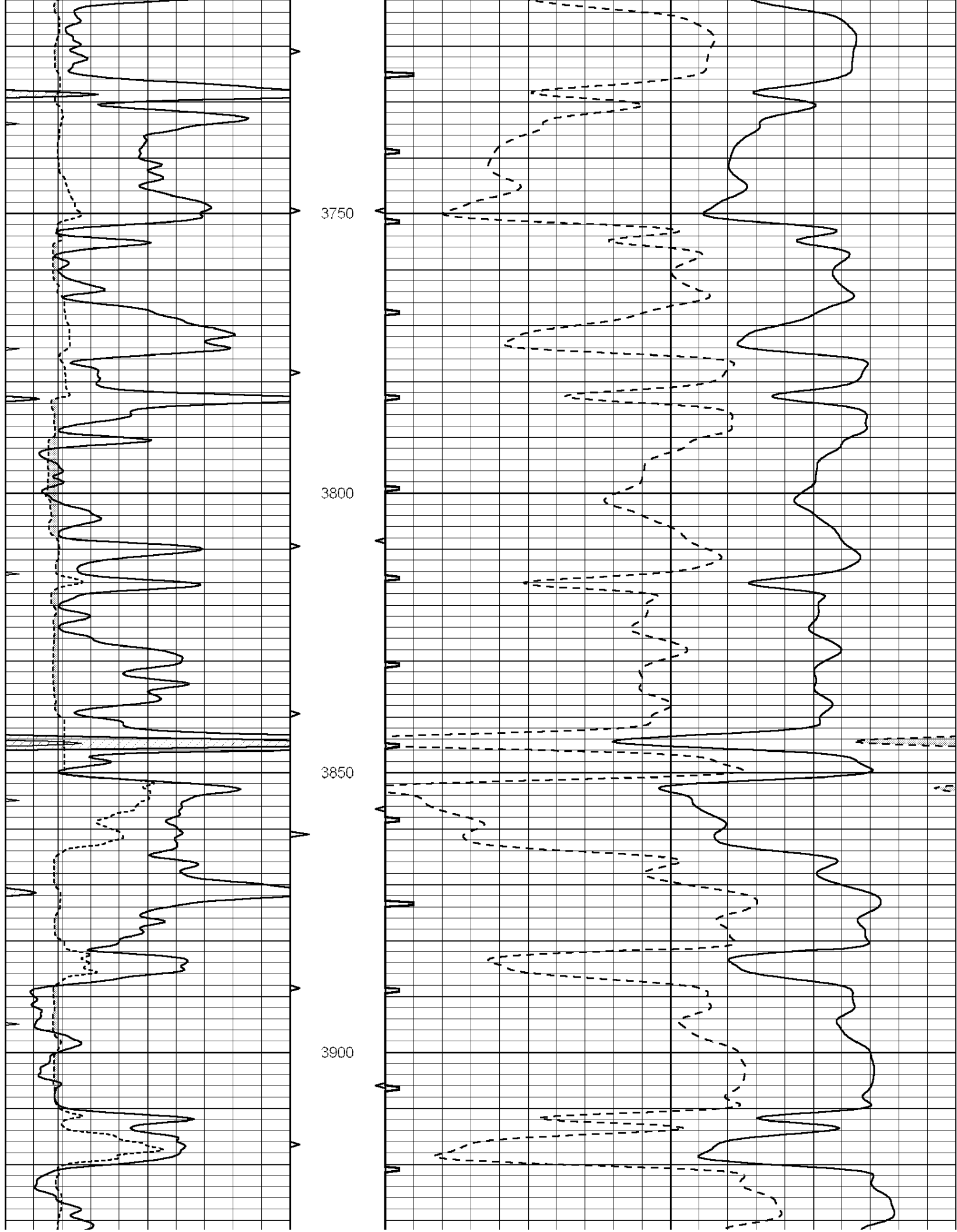
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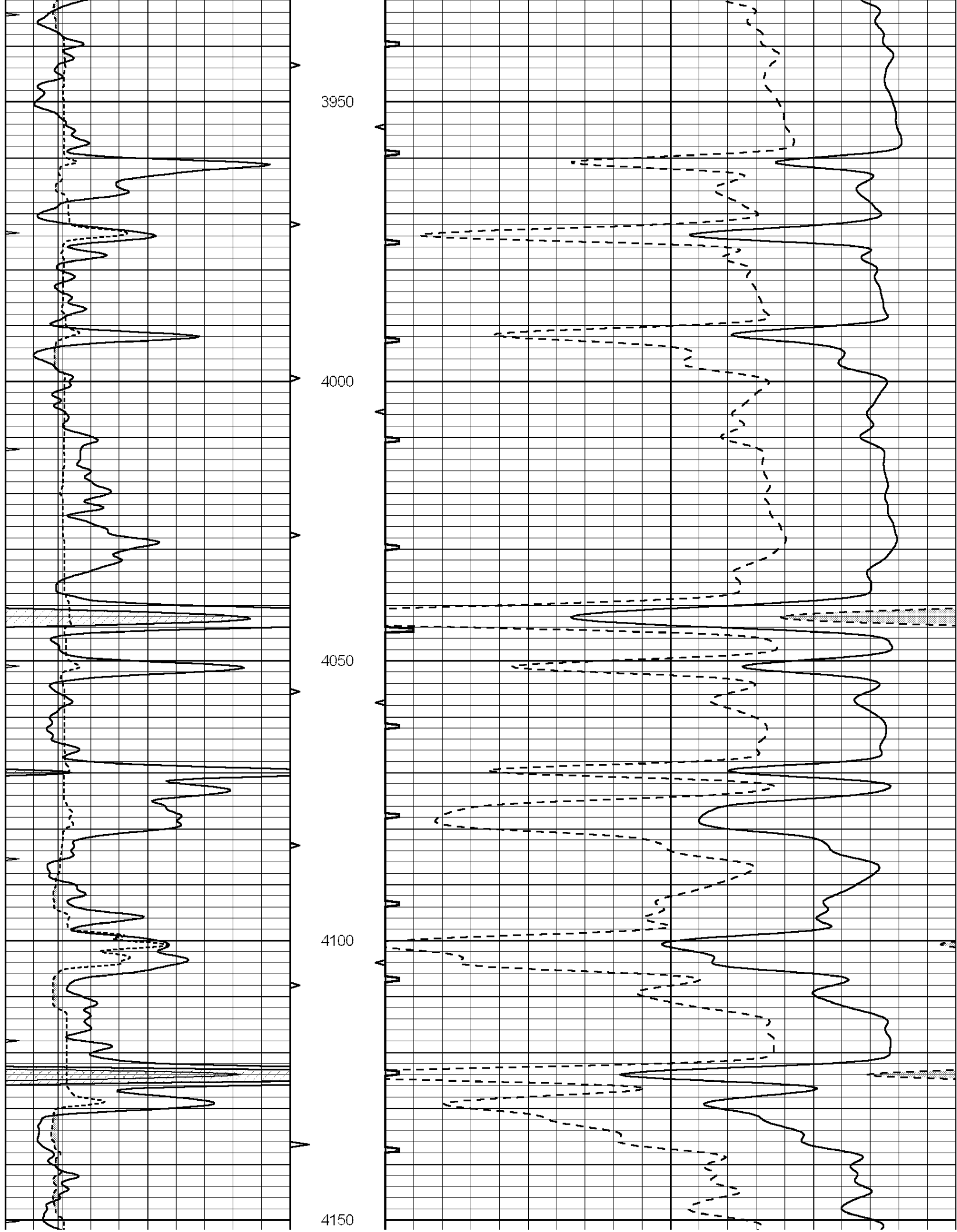


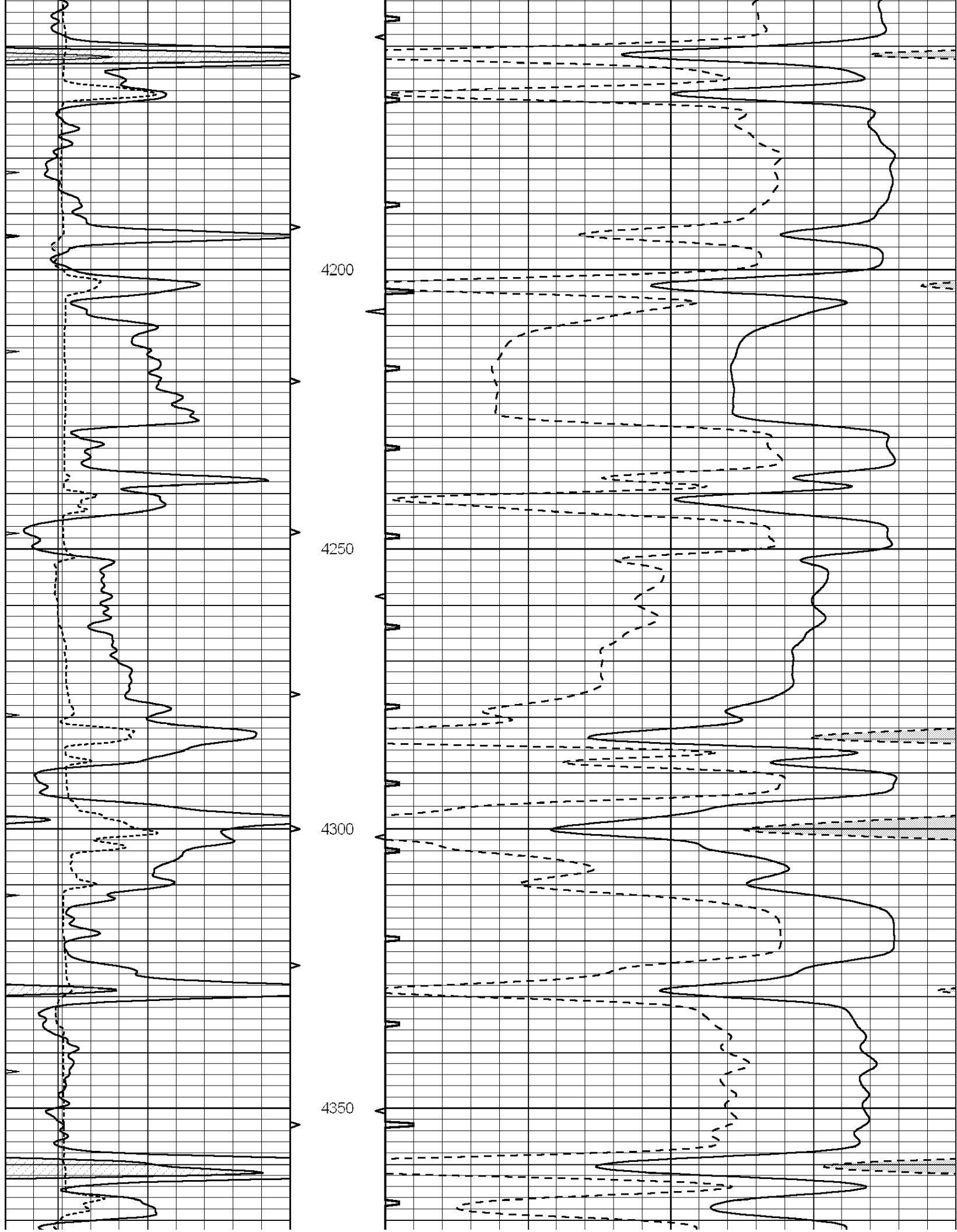
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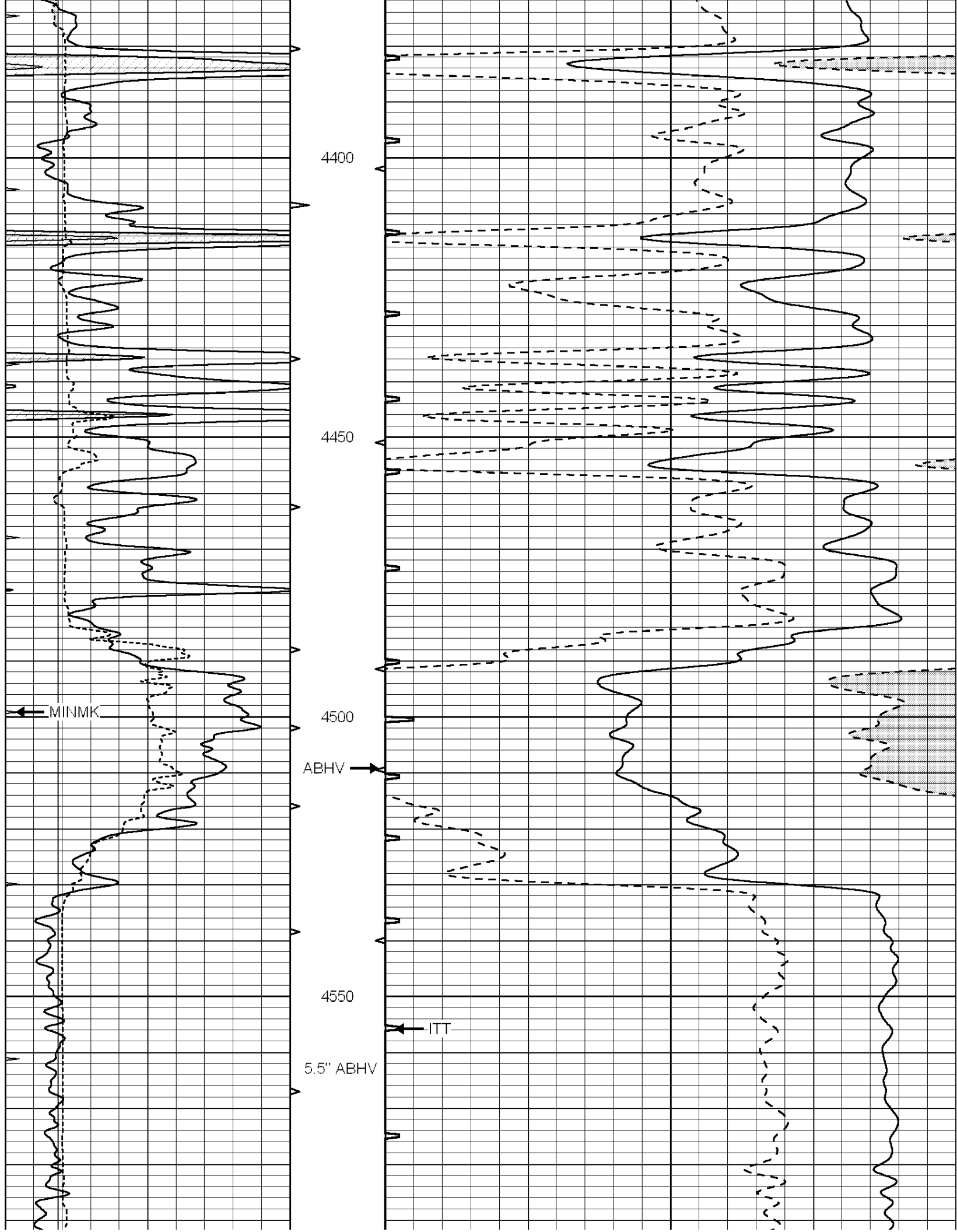


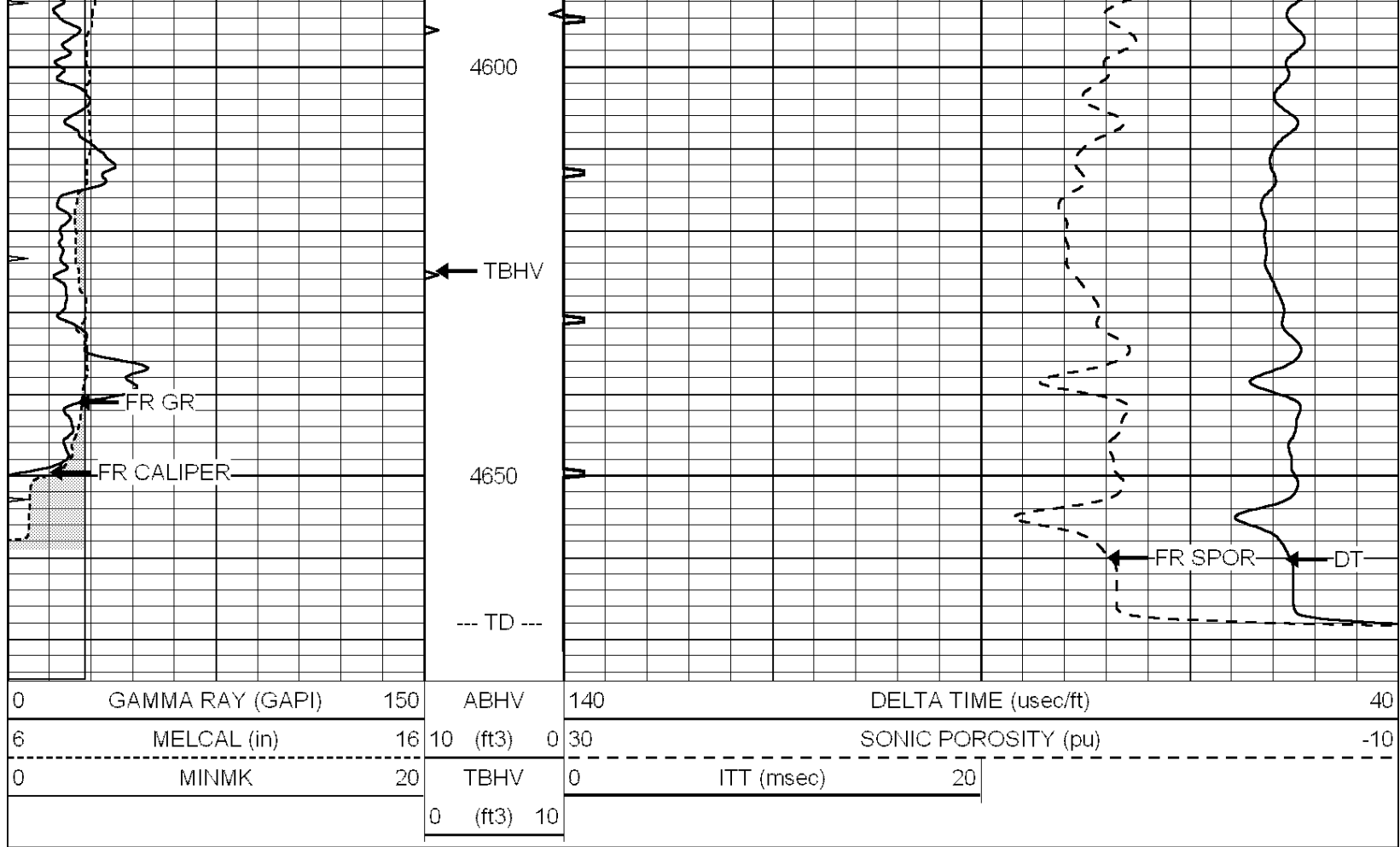










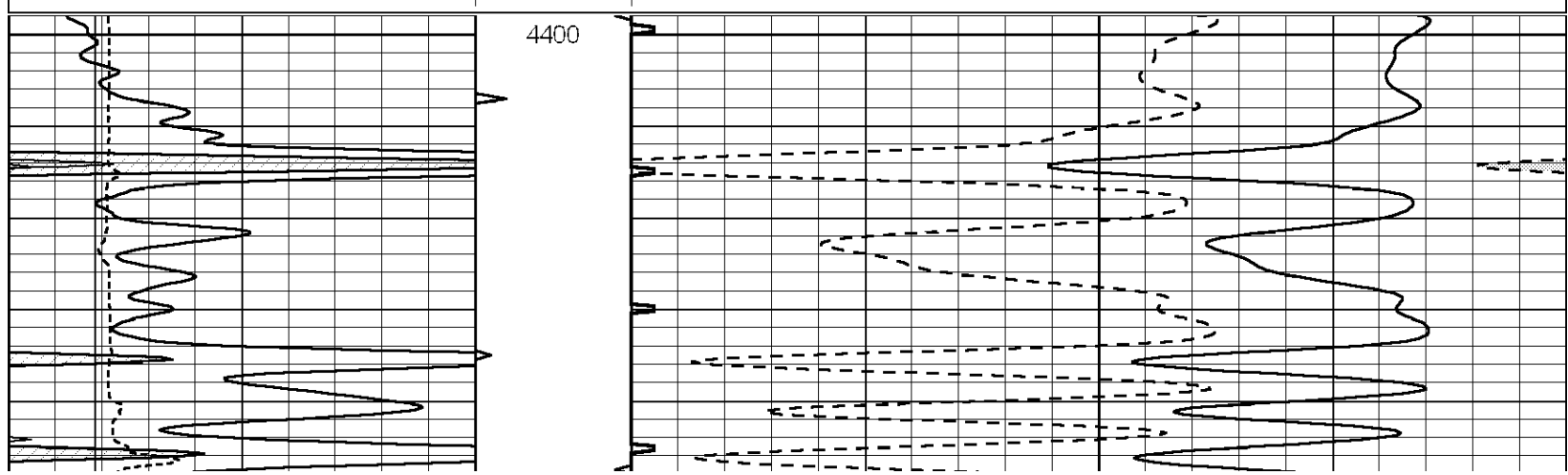


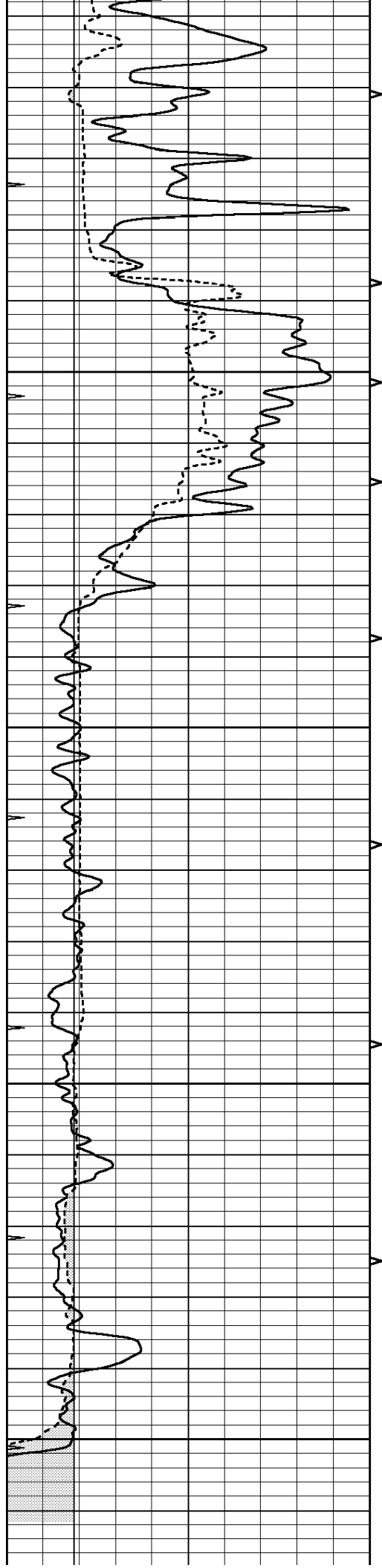
SUPERIOR
Hays,
Kansas

REPEAT SECTION

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 Charted by: Depth in Feet scaled 1:240

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





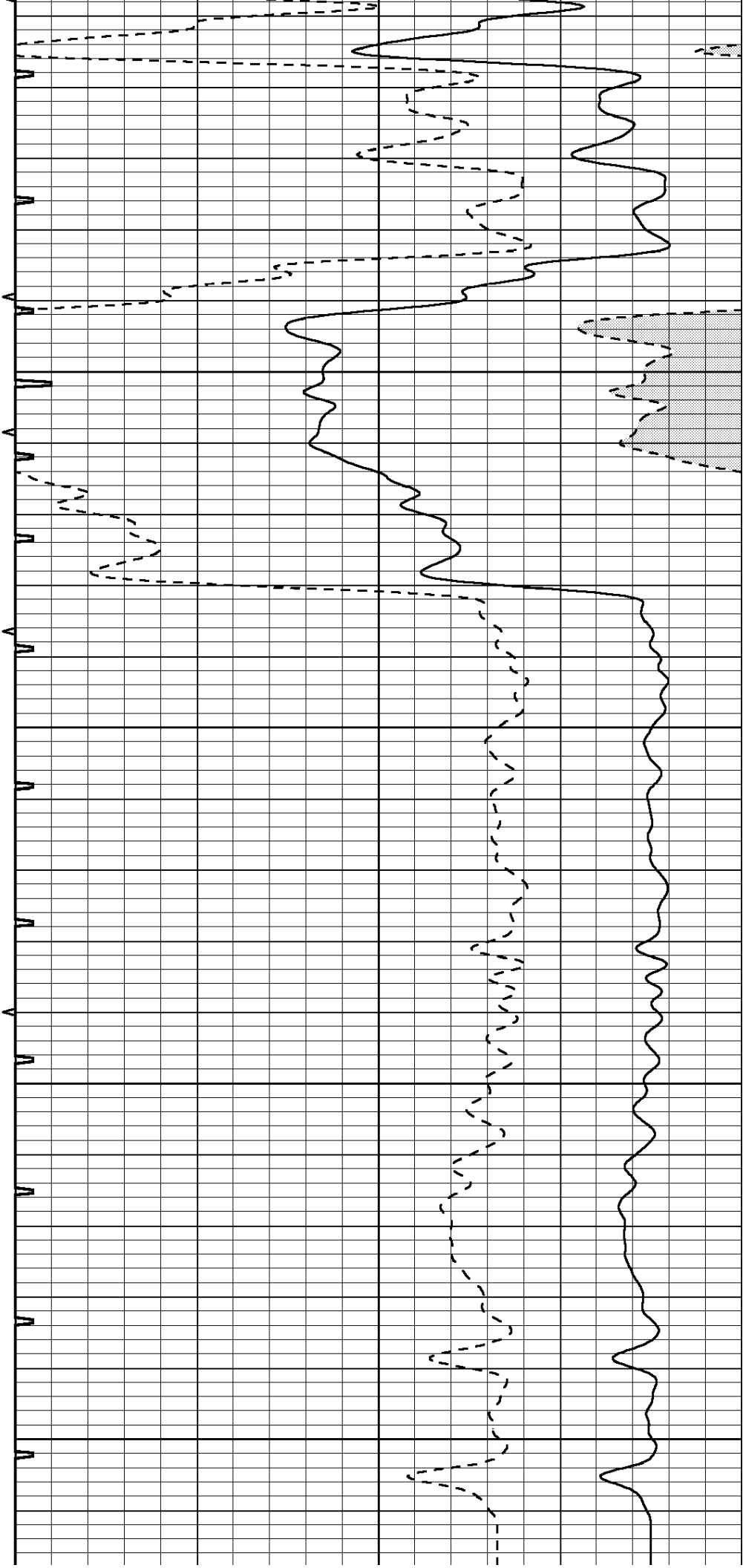
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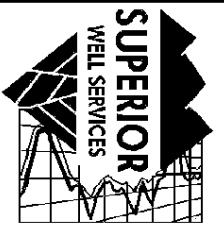
4500

4550

4600

4650





**SUPERIOR
Hays,
Kansas**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company RAYMOND OIL COMPANY INC.
Well MICHAELIS #1
Field WILDLCAT
County LOGAN State KANSAS

Company RAYMOND OIL COMPANY, INC.
Well MICHAELIS #1
Field WILDLCAT
County LOGAN
State KANSAS

Location: API #: 15-109-20996
1258' FNL & 836' FEL
SEC 3 TWP 14S RGE 32W
Permanent Datum GROUND LEVEL Elevation 2863
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL
SONIC/MEL
Elevation
K.B. 2868
D.F.
G.L. 2863

Date	4-4-11
Run Number	ONE
Depth Driller	4670
Depth Logger	4668
Bottom Logged Interval	4644
Top Log Interval	3400
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 61
pH / Fluid Loss	8.8 / 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.70 @ 69F
Rmf @ Meas. Temp	0.53 @ 69F
Rmc @ Meas. Temp	0.84 @ 69F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400 @ 121F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	3:45 A.M.
Maximum Recorded Temperature	121F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	MAX LOVELLY

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Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, 18S, 1/8W INTO.

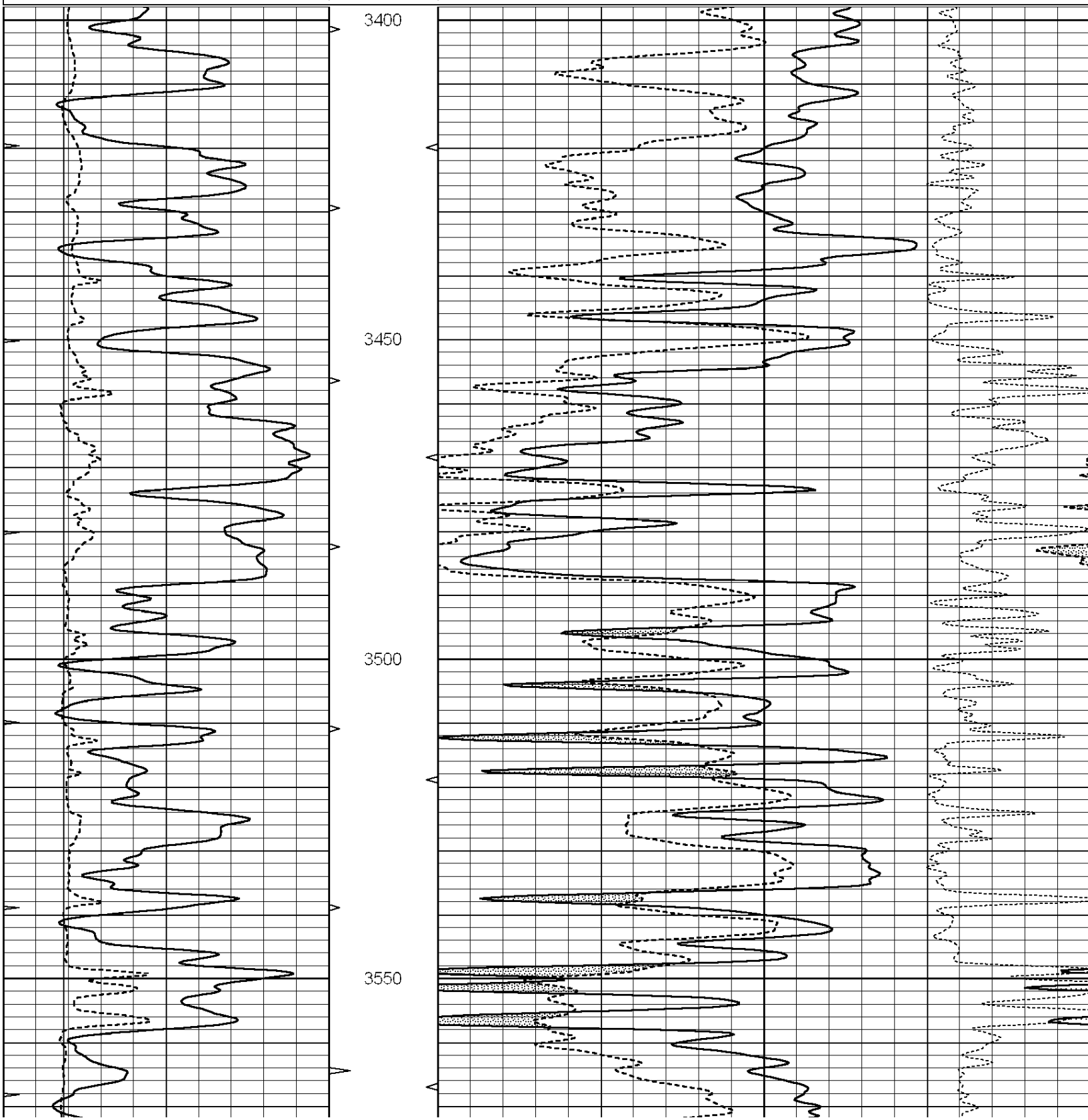


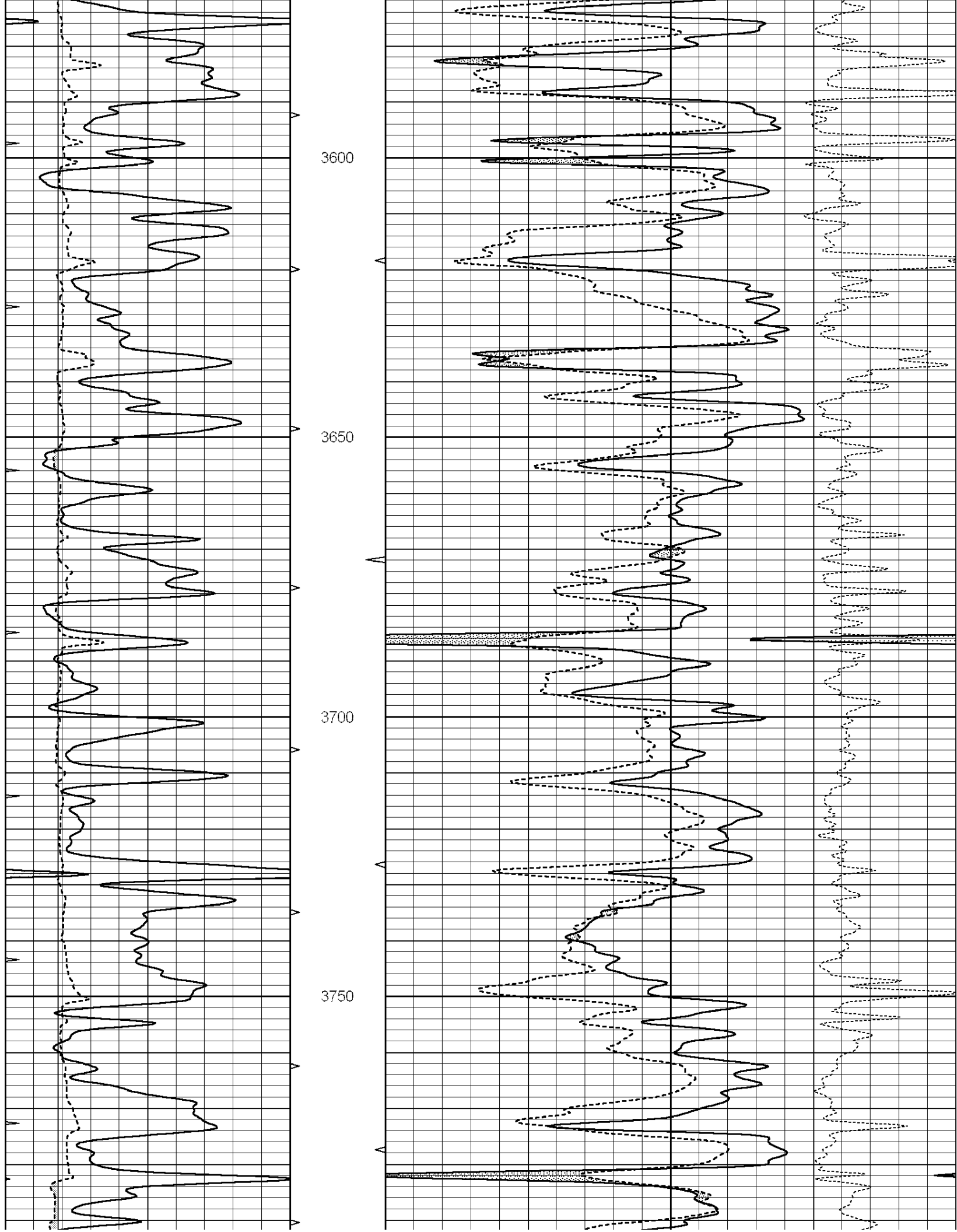
**SUPERIOR
Hays,
Kansas**

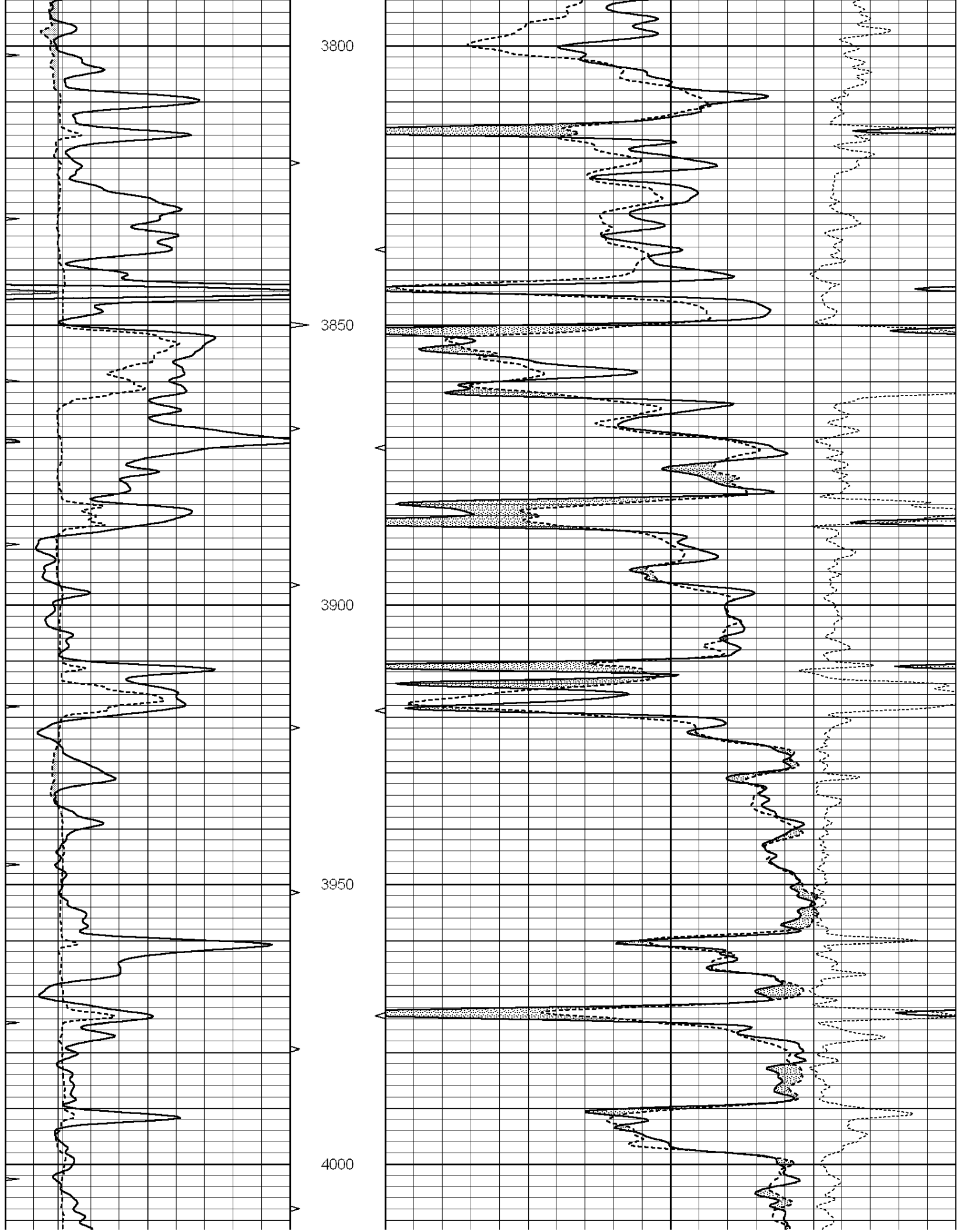
MAIN SECTION

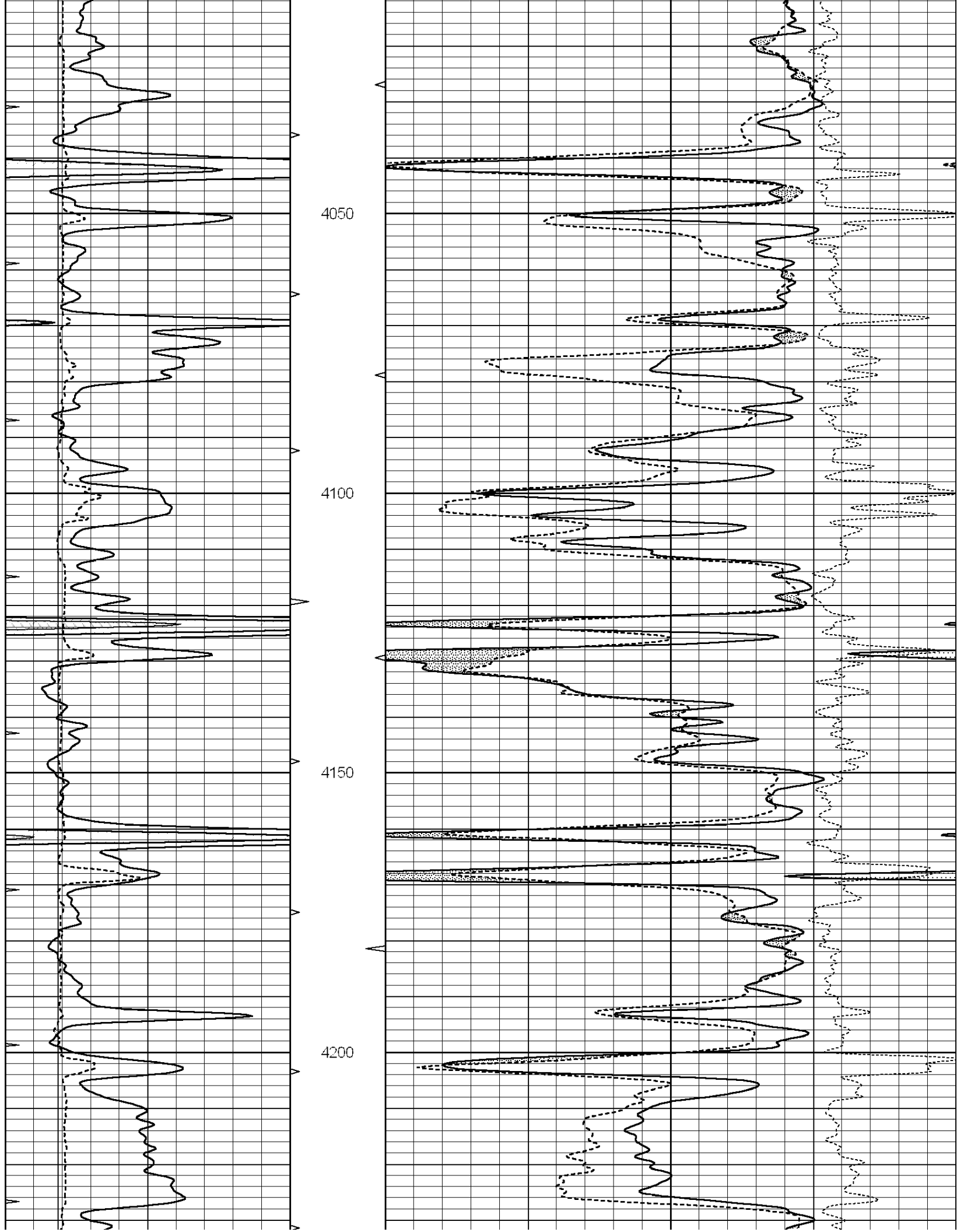
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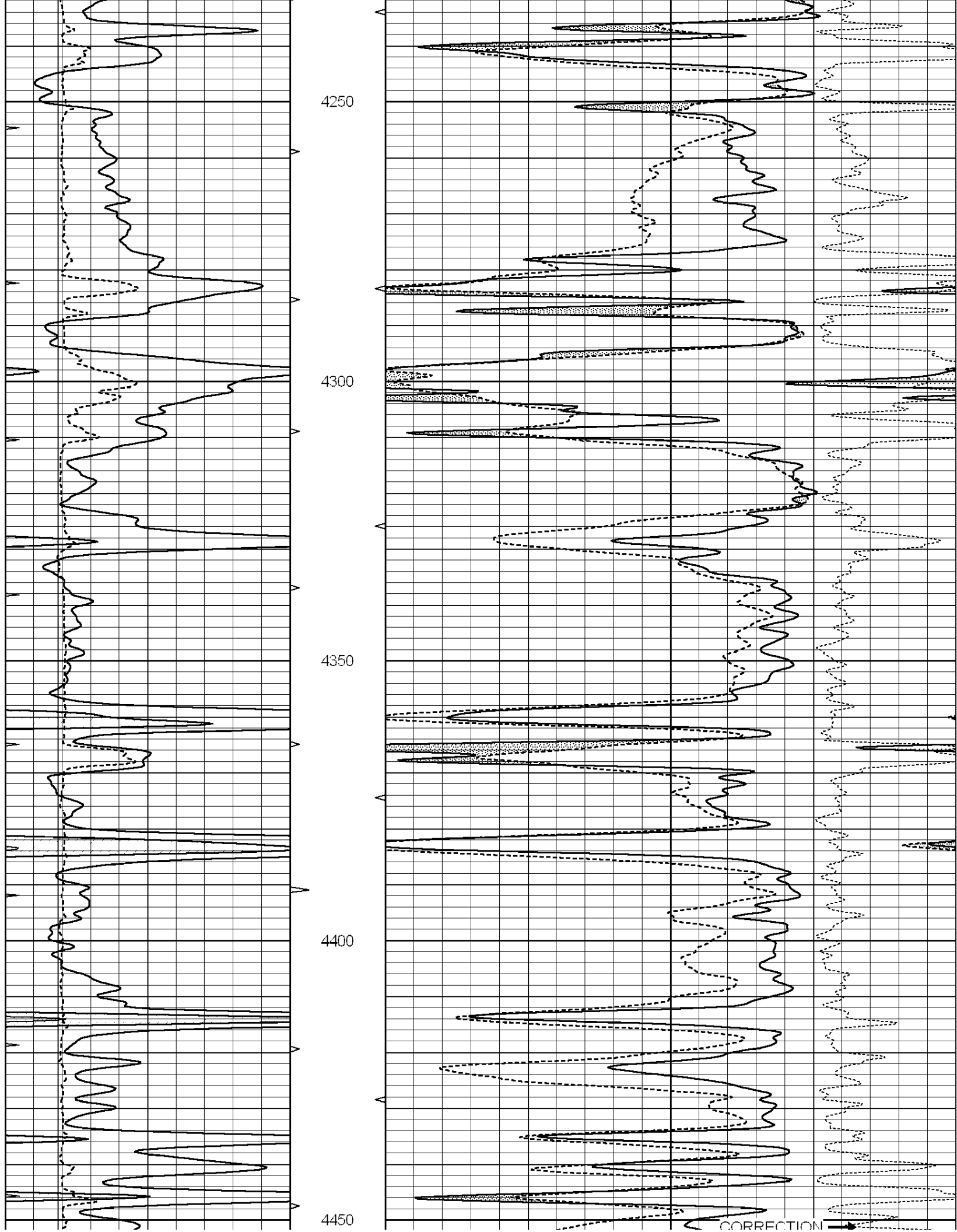
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0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

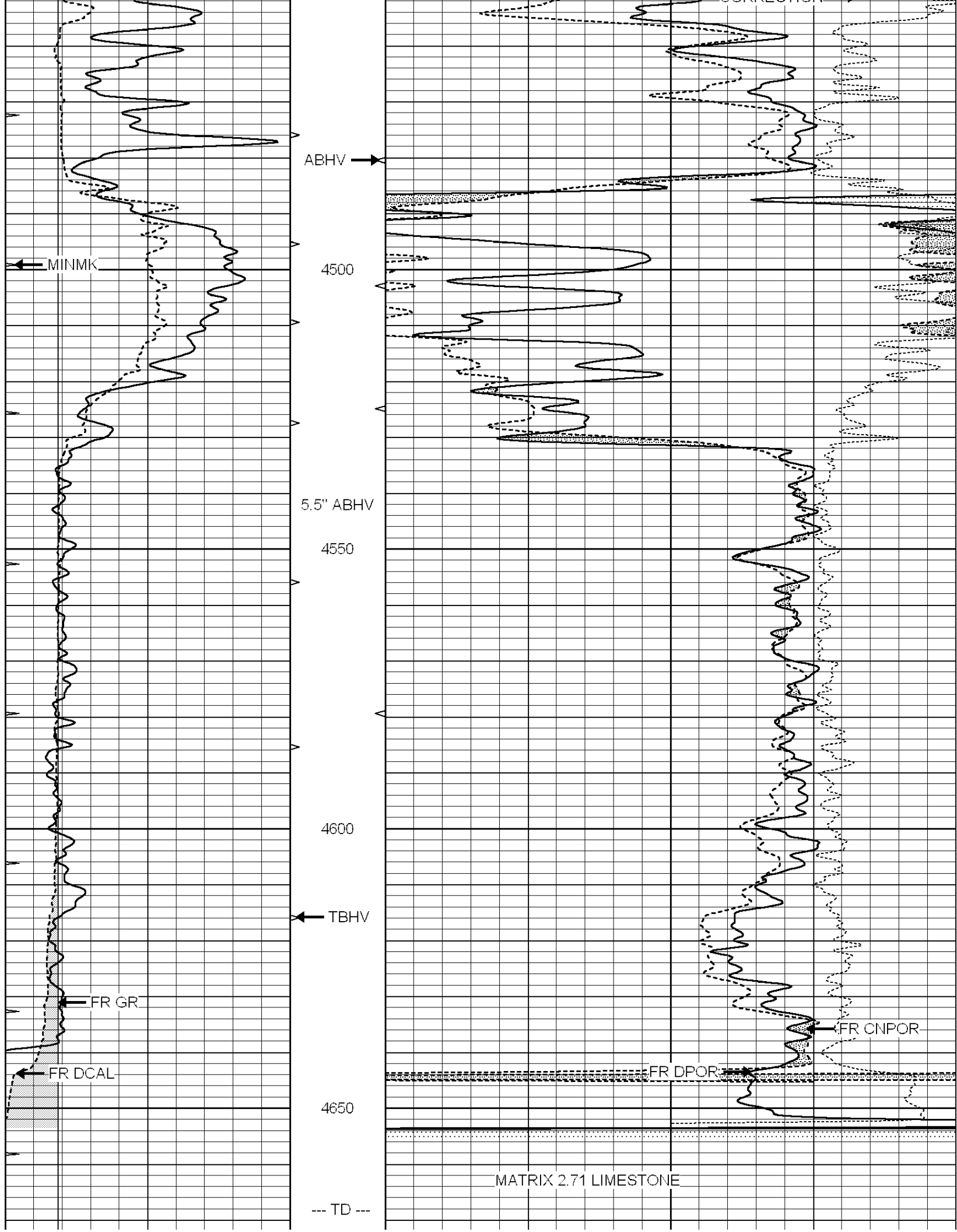












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6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
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			0 (ft3)	10		

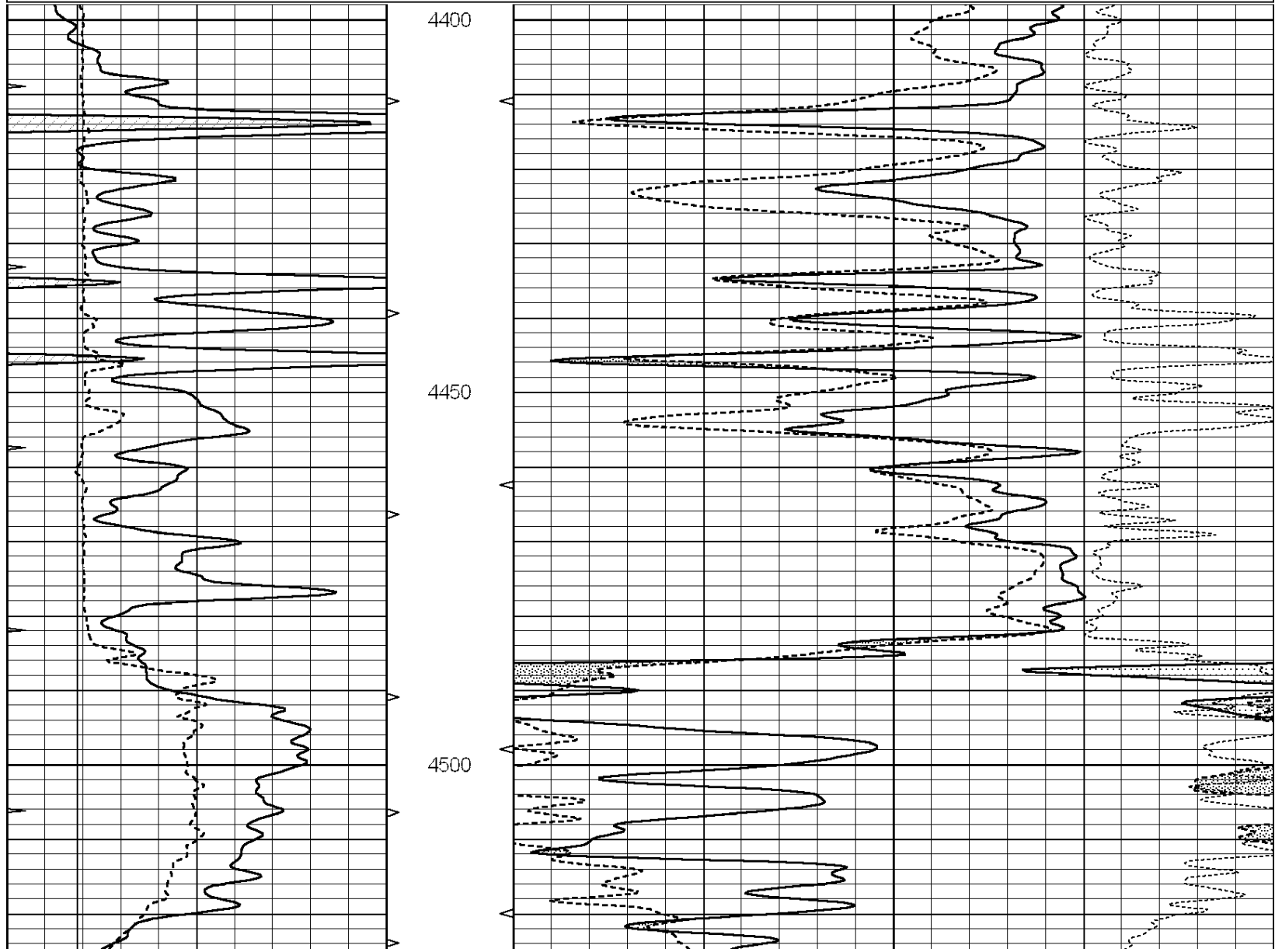


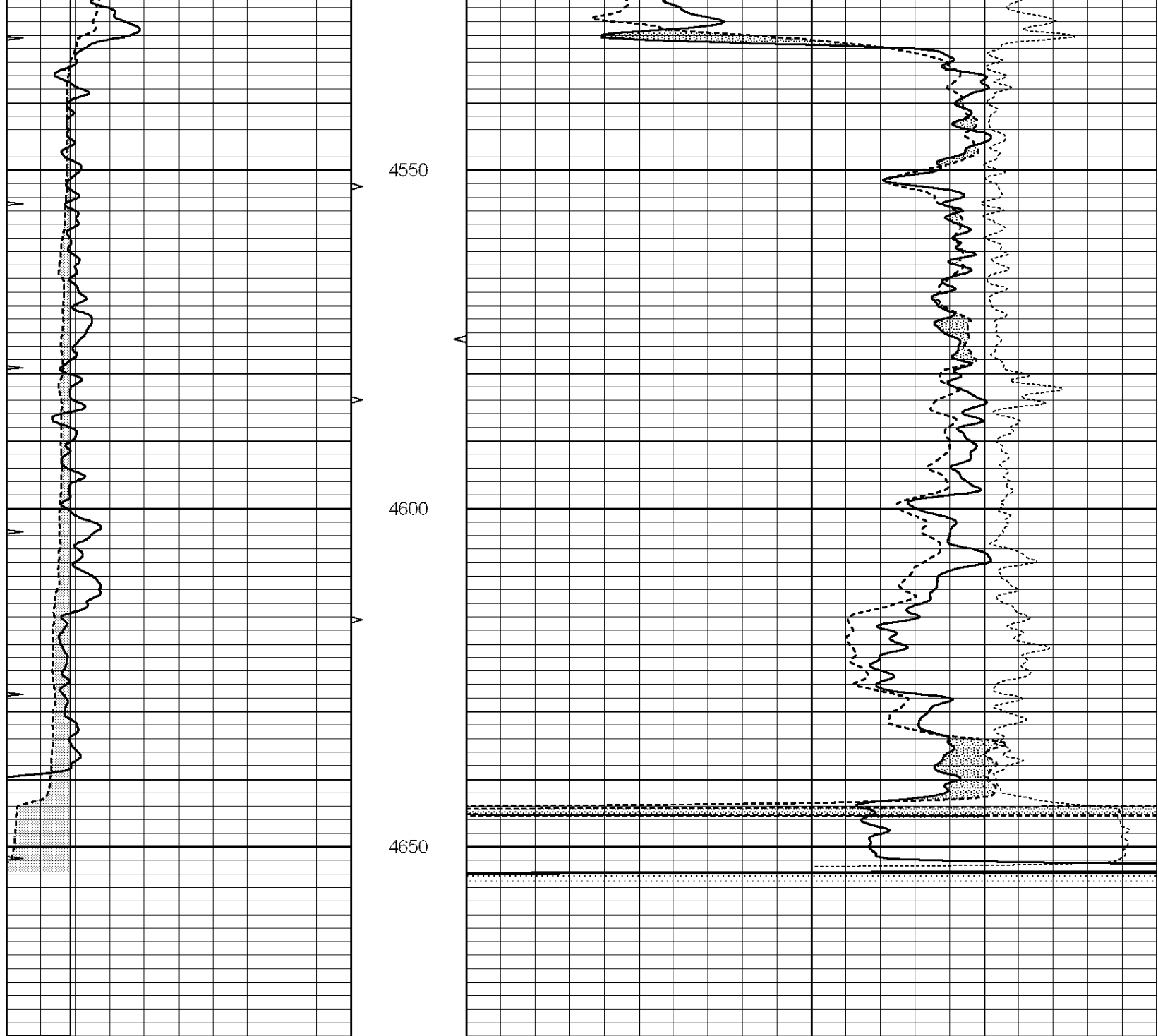
SUPERIOR
Hays,
Kansas

REPEAT SECTION

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6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		





0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25	CORRECTION (g/cc)
			0 (ft3)	10		0.25

Calibration Report

Database File: 006671ddn.db
 Dataset Pathname: pass3.A
 Dataset Creation: Mon Apr 04 06:44:09 2011

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
 Performed: Mon Apr 04 04:39:49 2011

Readings

References

Results

Log: Air Log Air Log Air Log Air Log

Loop:	All	Loop		All	Loop	m	b	
Deep	0.004	0.654	V	0.000	400.000	mmho/m	590.000	-2.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	560.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Mon Apr 04 03:01:34 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.590	g/cc	282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.576		
	Size		Reading		
Small Ring	7.80	in	3.82	V	
Large Ring	14.20	in	6.37	V	

Compensated Neutron Calibration Report

Serial Number: NUE_2I
 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

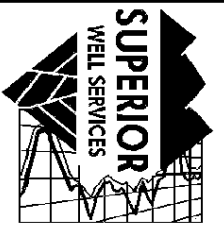
Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Mon Apr 04 04:32:40 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6300 GAPI/cps



**SUPERIOR
Hays,
Kansas**

**MICRO
LOG**

Company RAYMOND OIL COMPANY INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN State KANSAS

Company RAYMOND OIL COMPANY, INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN
State KANSAS

Location: API #: 15-109-20996
1258' FNL & 836' FEL
SEC 3 TWP 14S RGE 32W
Permanent Datum GROUND LEVEL Elevation 2863
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/SONIC
Elevation
K.B. 2868
D.F.
G.L. 2863

Date	4-4-11
Run Number	TWO
Depth Driller	4670
Depth Logger	4668
Bottom Logged Interval	4650
Top Log Interval	3400
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 61
pH / Fluid Loss	8.8 / 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.70 @ 69F
Rmf @ Meas. Temp	0.53 @ 69F
Rmc @ Meas. Temp	0.84 @ 69F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400 @ 121F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	3:45 A.M.
Maximum Recorded Temperature	121F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	MAX LOVELLY

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, 18S, 1/8W INTO.



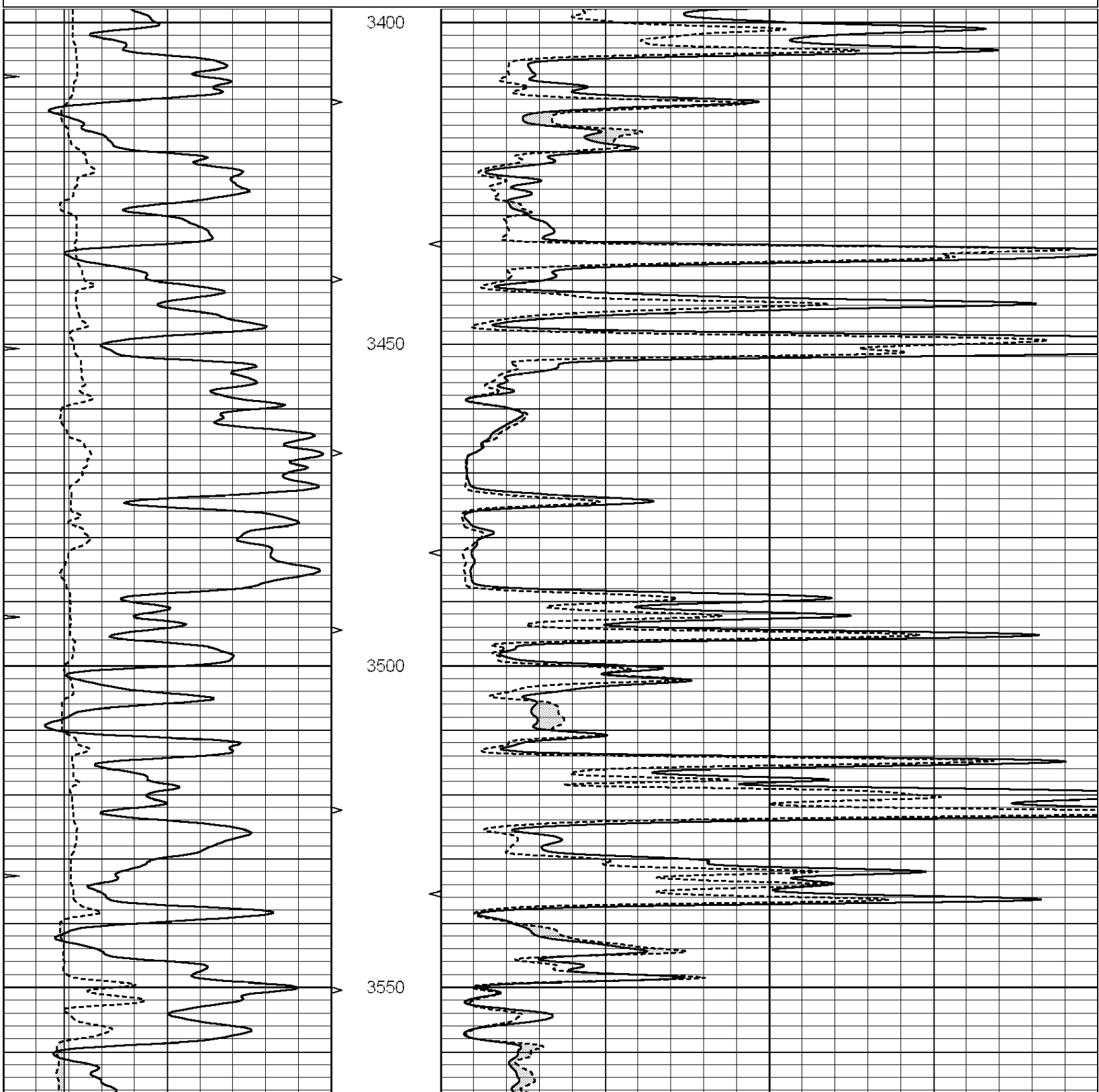
SUPERIOR
Hays,
Kansas

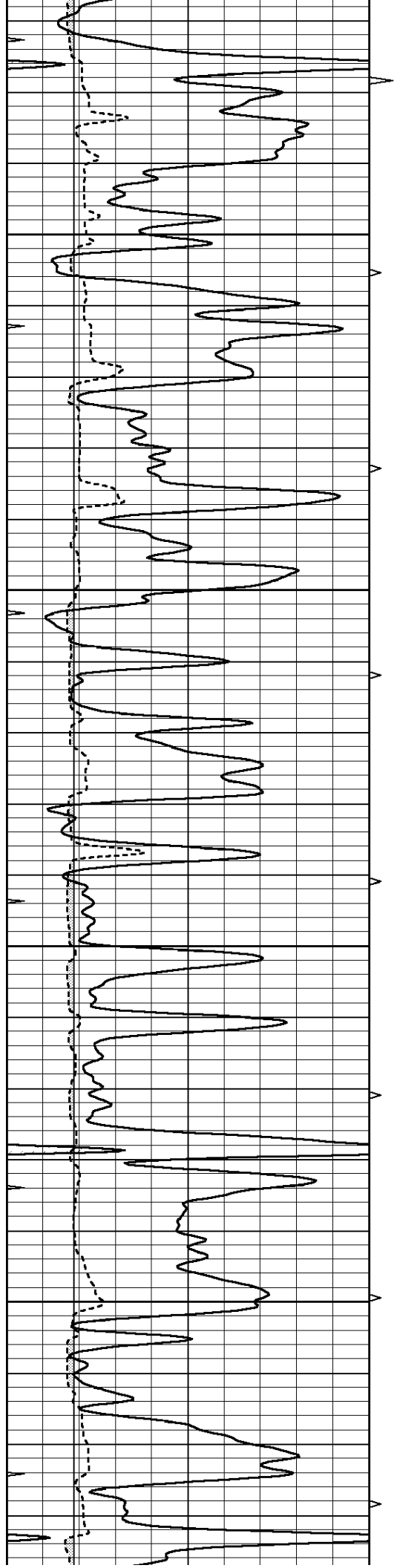
MAIN SECTION

Database File: 006671ddn.db
 Dataset Pathname: pass5.1A
 Presentation Format: micro
 Dataset Creation: Mon Apr 04 08:20:32 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



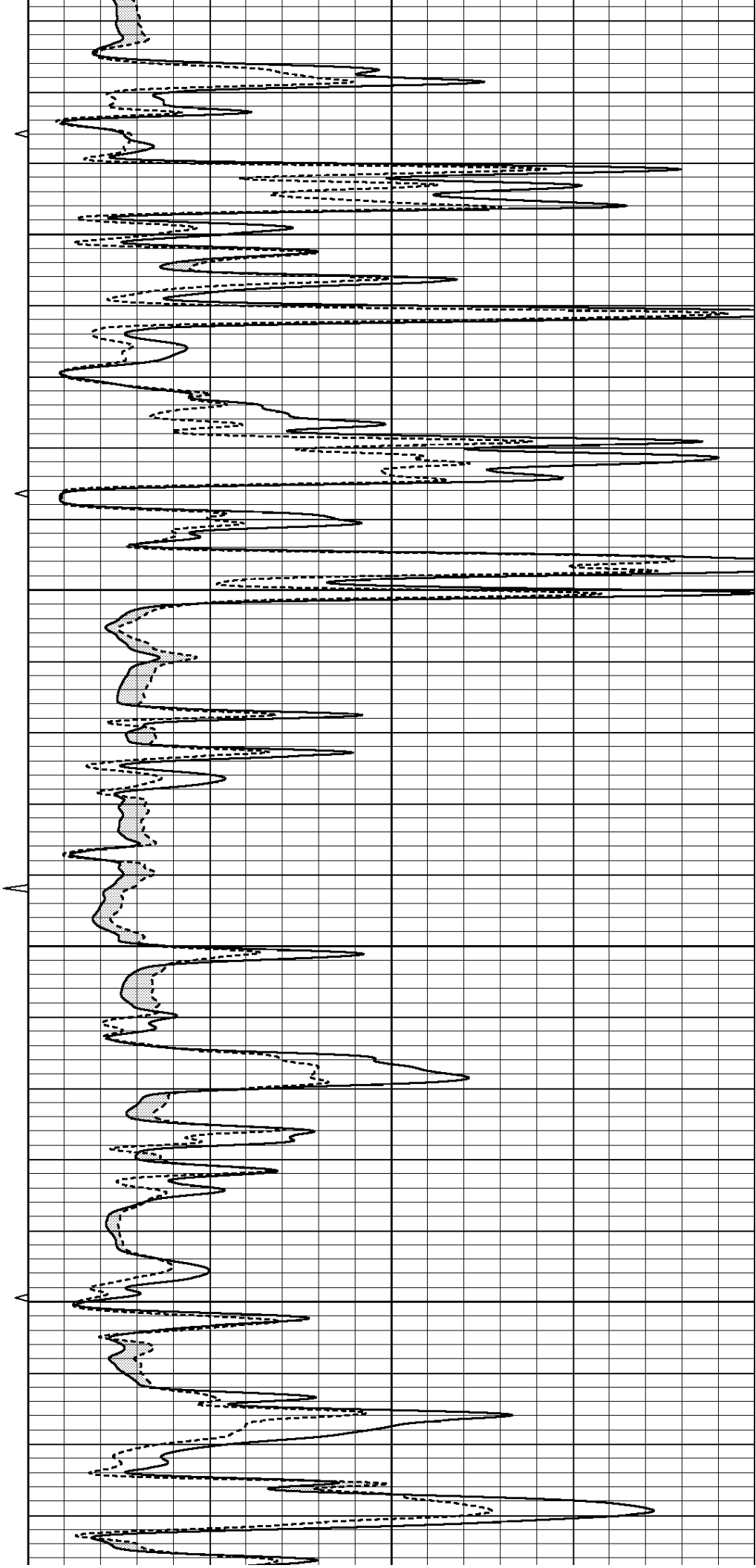


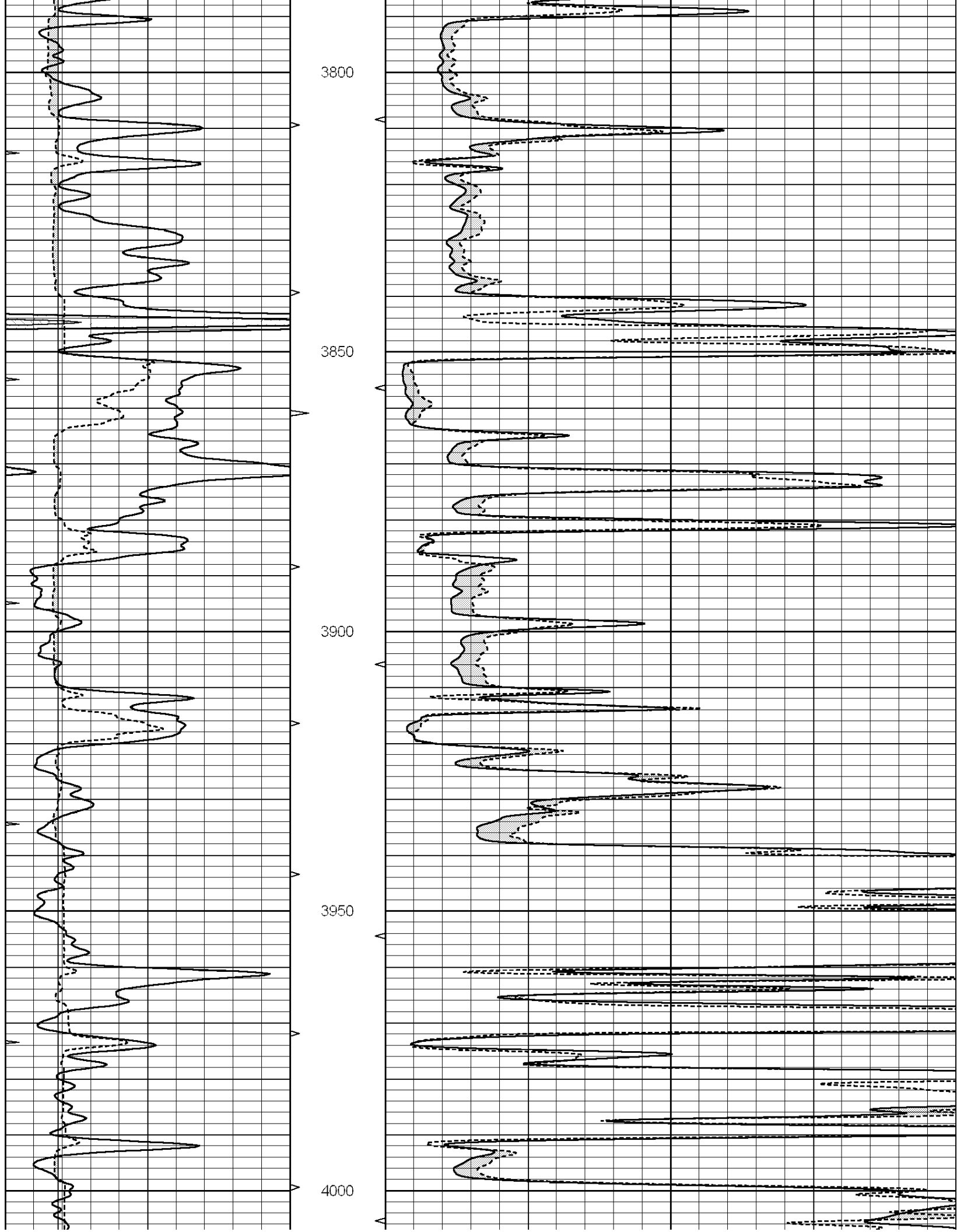
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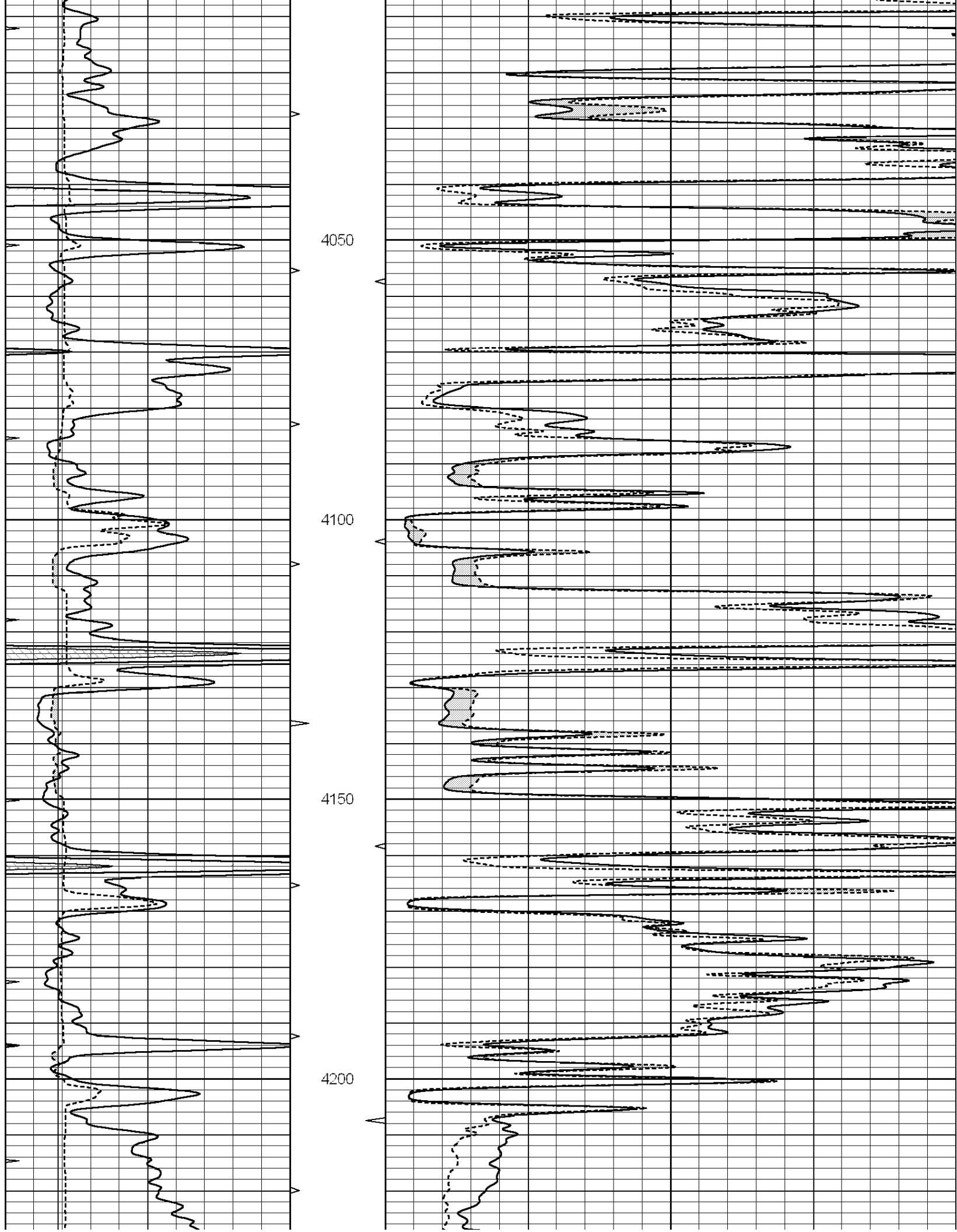
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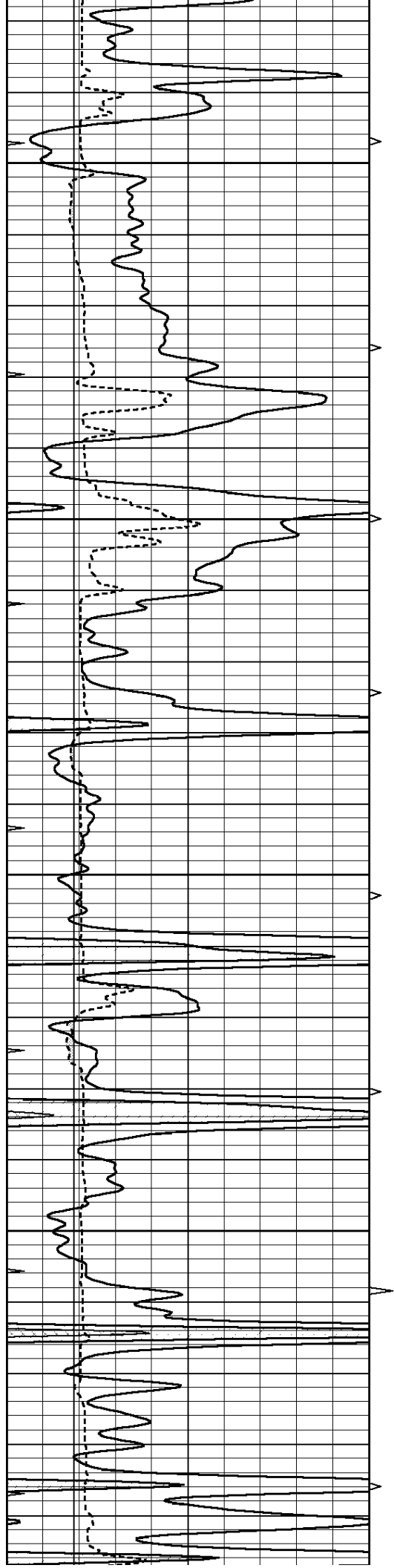
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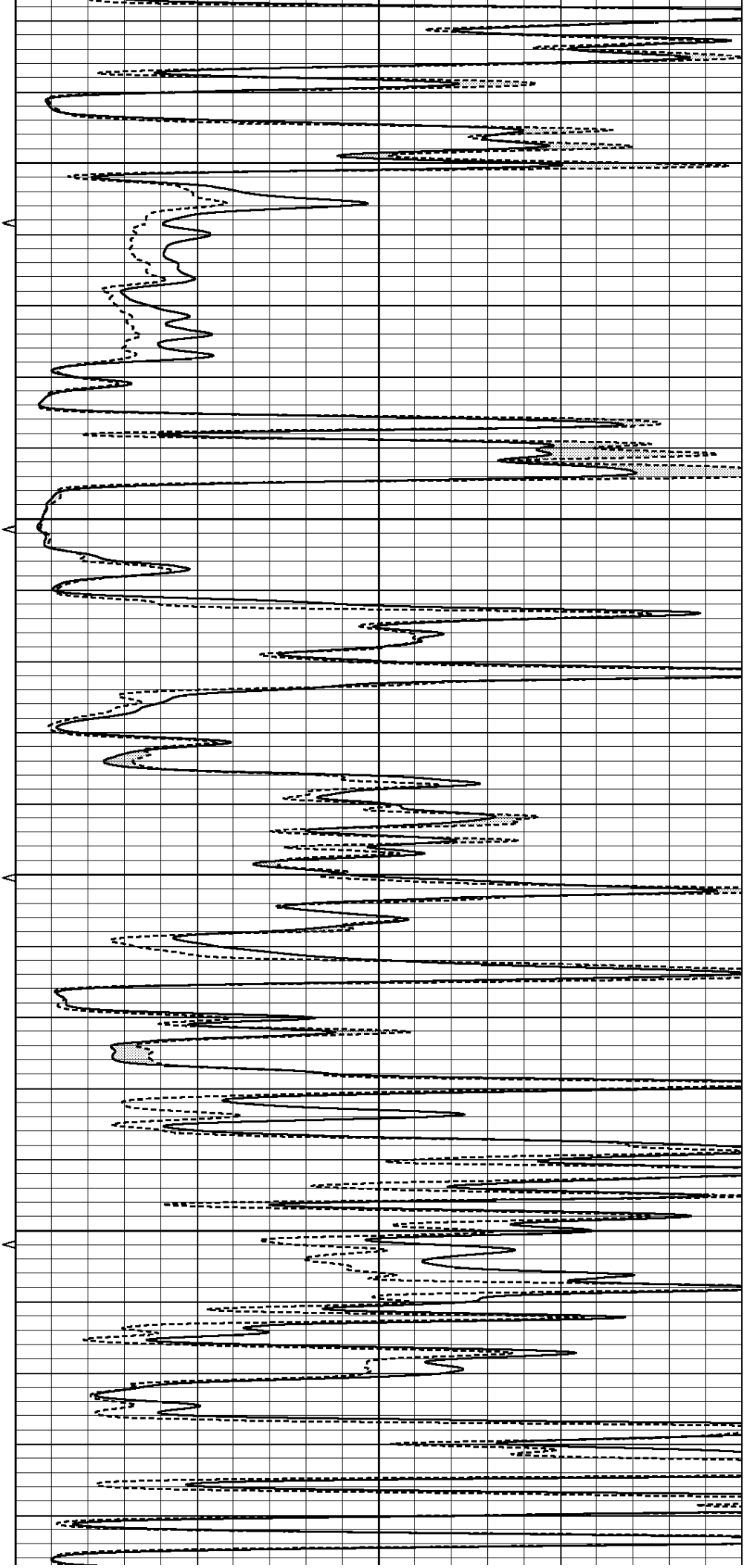


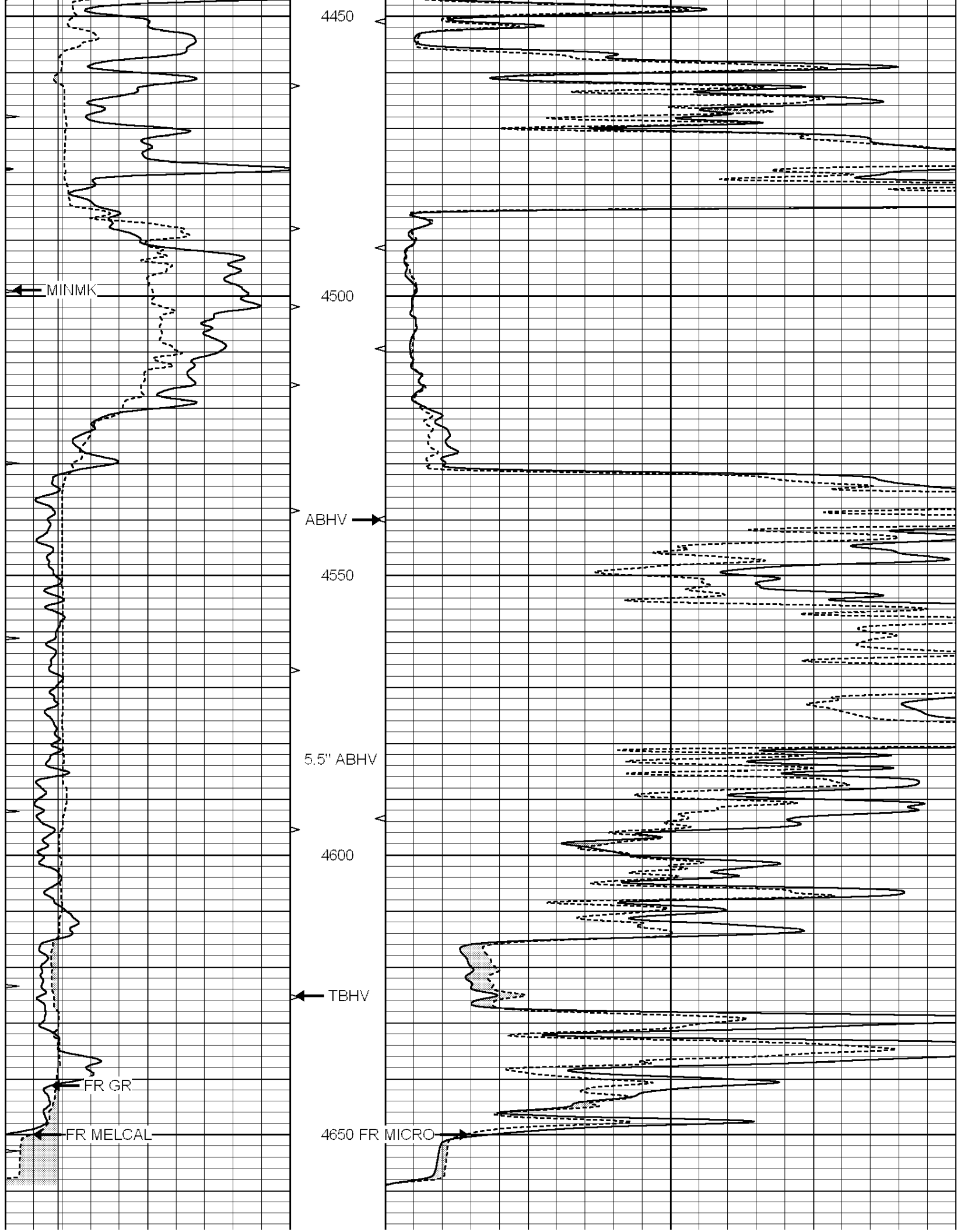
4250

4300

4350

4400





--- TD ---

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



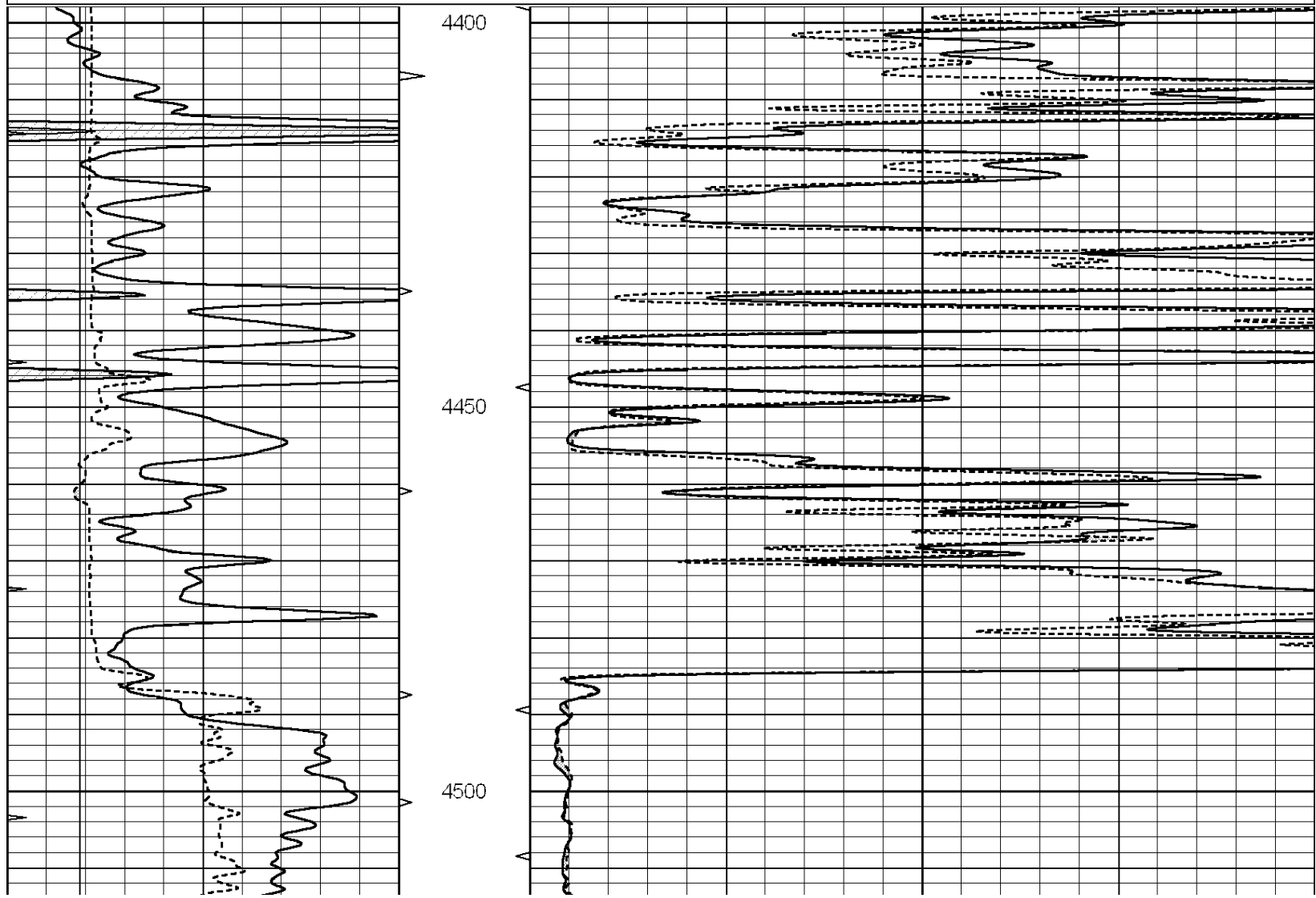
SUPERIOR
Hays,
Kansas

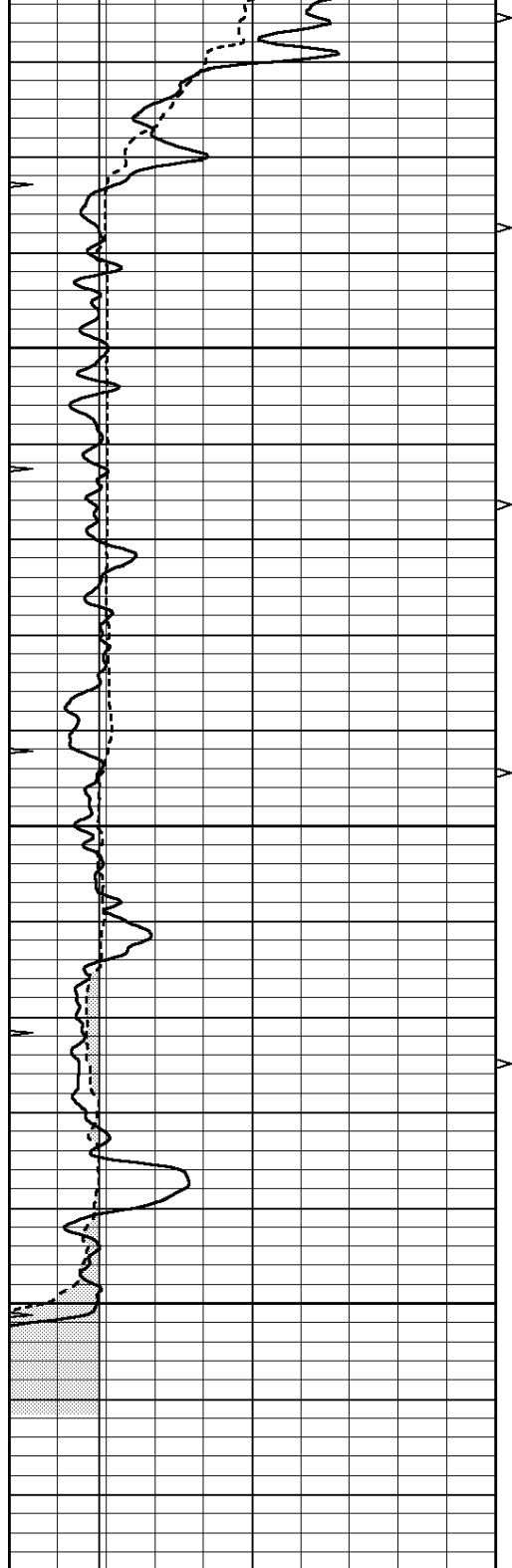
REPEAT SECTION

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 Dataset Pathname: pass4.1A
 Presentation Format: micro
 Dataset Creation: Mon Apr 04 07:45:15 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



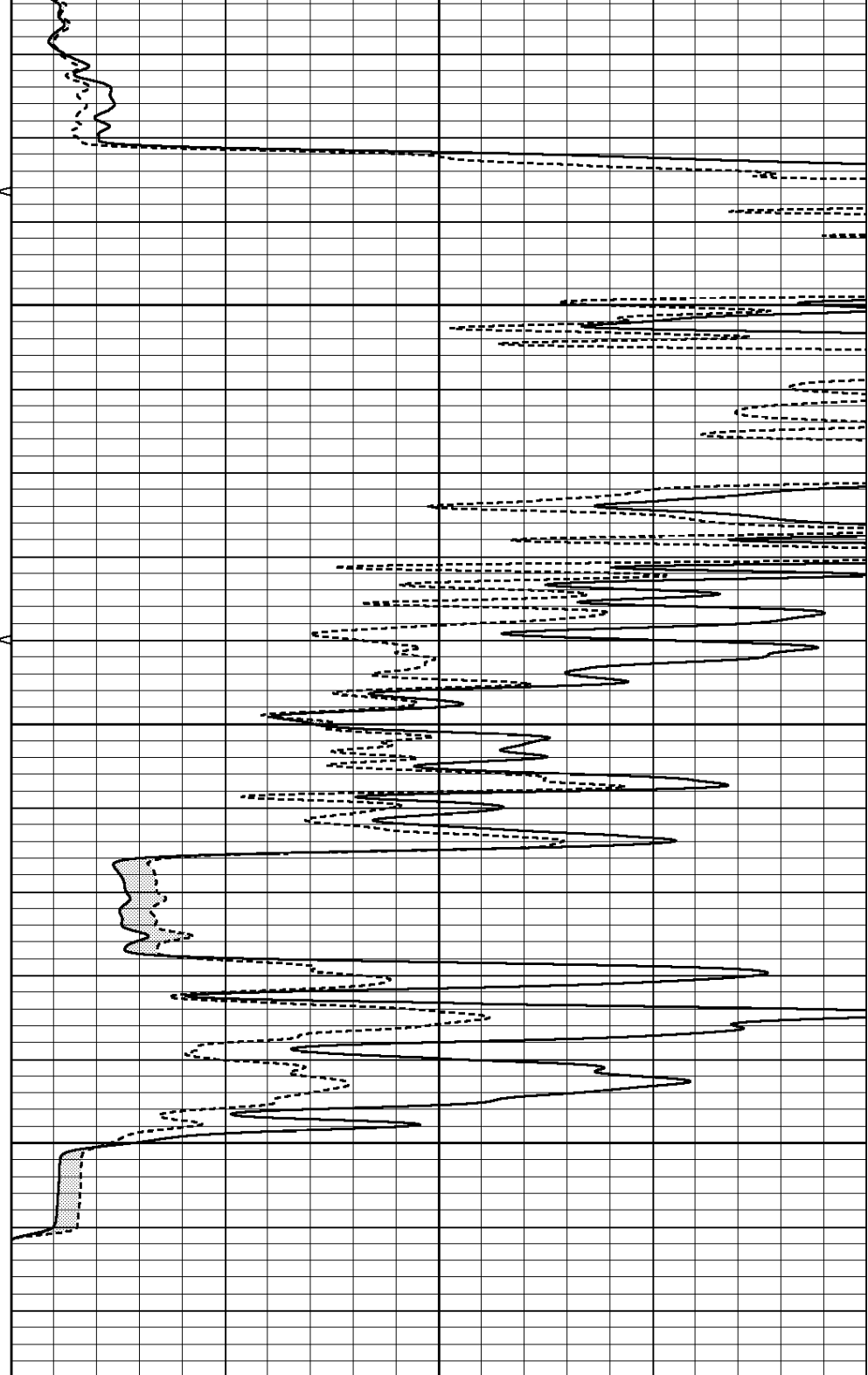


4550

4600

4650

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20



0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

Calibration Report

Database File: 006671ddn.db
 Dataset Pathname: pass5.1A
 Dataset Creation: Mon Apr 04 08:20:32 2011

MICRO Calibration Report

Serial Number: Micro1
Tool Model: ProbeL
Performed: Mon Apr 04 06:55:36 2011

Caliper Calibration:	Gain=3.399	Offset=-0.444
References	Low Cal 8.000	High Cal 14.000
Readings	2.484	4.249

1.5" Calibration:	Gain=38.000	Offset=-0.200
References	Low Cal 0.000	High Cal 20.000
Readings	0.003	0.844

2" Calibration:	Gain=32.000	Offset=-0.400
References	Low Cal 0.000	High Cal 20.000
Readings	0.028	0.817

Gamma Ray Calibration Report

Serial Number:	GR5	
Tool Model:	OPEN	
Performed:	Mon Apr 04 04:32:40 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6300	GAPI/cps



**SUPERIOR
Hays,
Kansas**

**DUAL
INDUCTION
LOG**

Company	RAYMOND OIL COMPANY, INC.	Location:	API # : 15-109-20996	Other Services CDL/CNL SONIC/MEL
Well	MICHAELIS #1	SEC 3 TWP 14S RGE 32W		Elevation
Field	WILD CAT	GROUND LEVEL	Elevation	K.B. 2868
County	LOGAN	1258' FNL & 836' FEL		D.F.
State	KANSAS	Drilling Measured From		G.L. 2863
		Permanent Datum		
		Log Measured From		
		Drilling Measured From		

Date	4-4-11
Run Number	ONE
Depth Driller	4670
Depth Logger	4668
Bottom Logged Interval	4666
Top Log Interval	00
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 61
pH / Fluid Loss	8.8 / 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.70 @ 69F
Rmf @ Meas. Temp	0.53 @ 69F
Rmc @ Meas. Temp	0.84 @ 69F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400 @ 121F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	3:45 A.M.
Maximum Recorded Temperature	121F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	MAX LOVELLY

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Comments

SUPERIOR WELL SERVICES
 785-628-6395
 THANK YOU FOR YOUR BUSINESS
 DIRECTIONS: OAKLEY, 18S, 1/8W INTO.



**SUPERIOR
Hays,
Kansas**

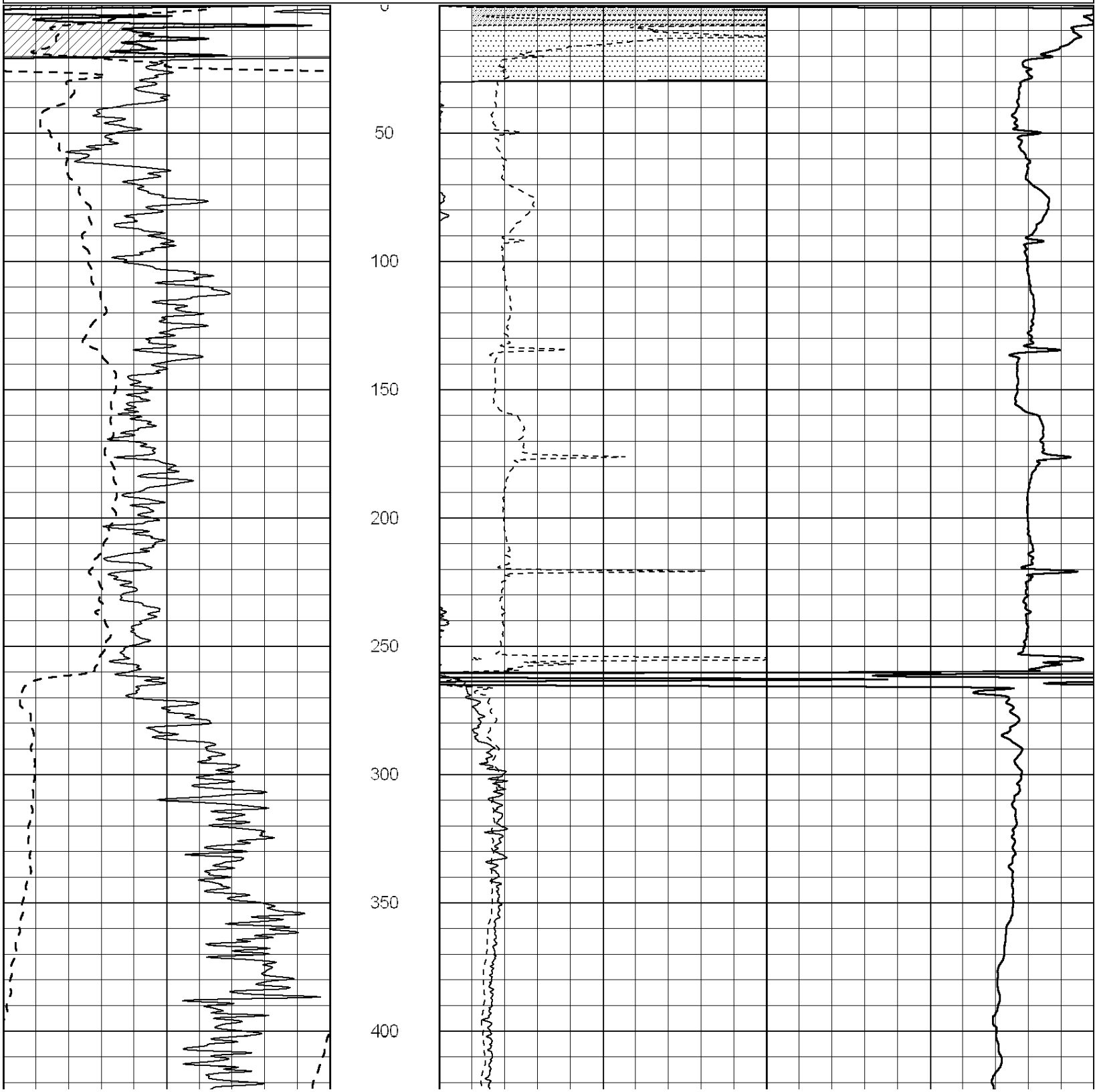
MAIN SECTION

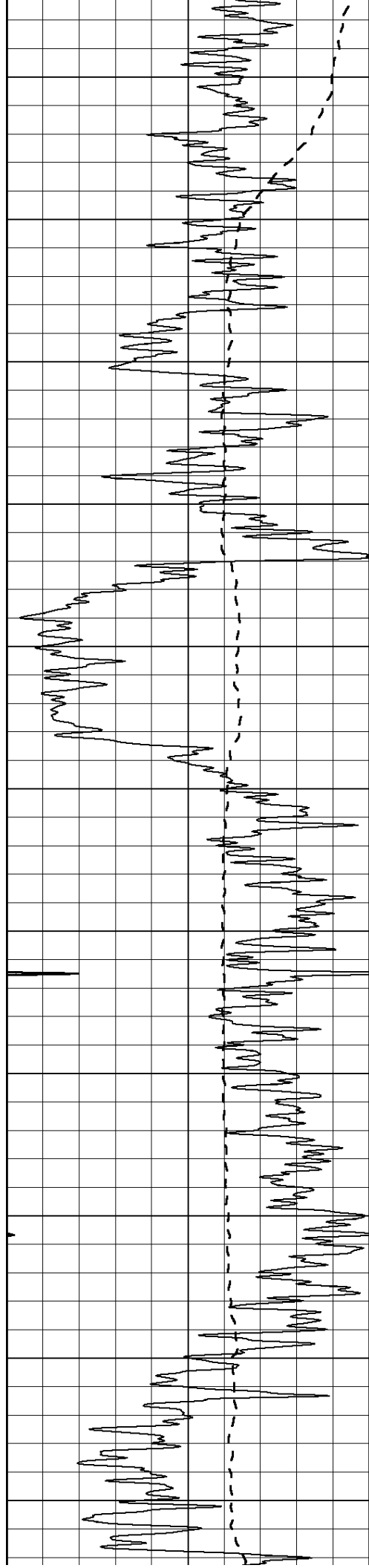
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 Dataset Pathname: pass3.A
 Presentation Format: dil2
 Dataset Creation: Mon Apr 04 06:44:09 2011
 Charted by: Depth in Feet scaled 1:600

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
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500





450

500

550

600

650

700

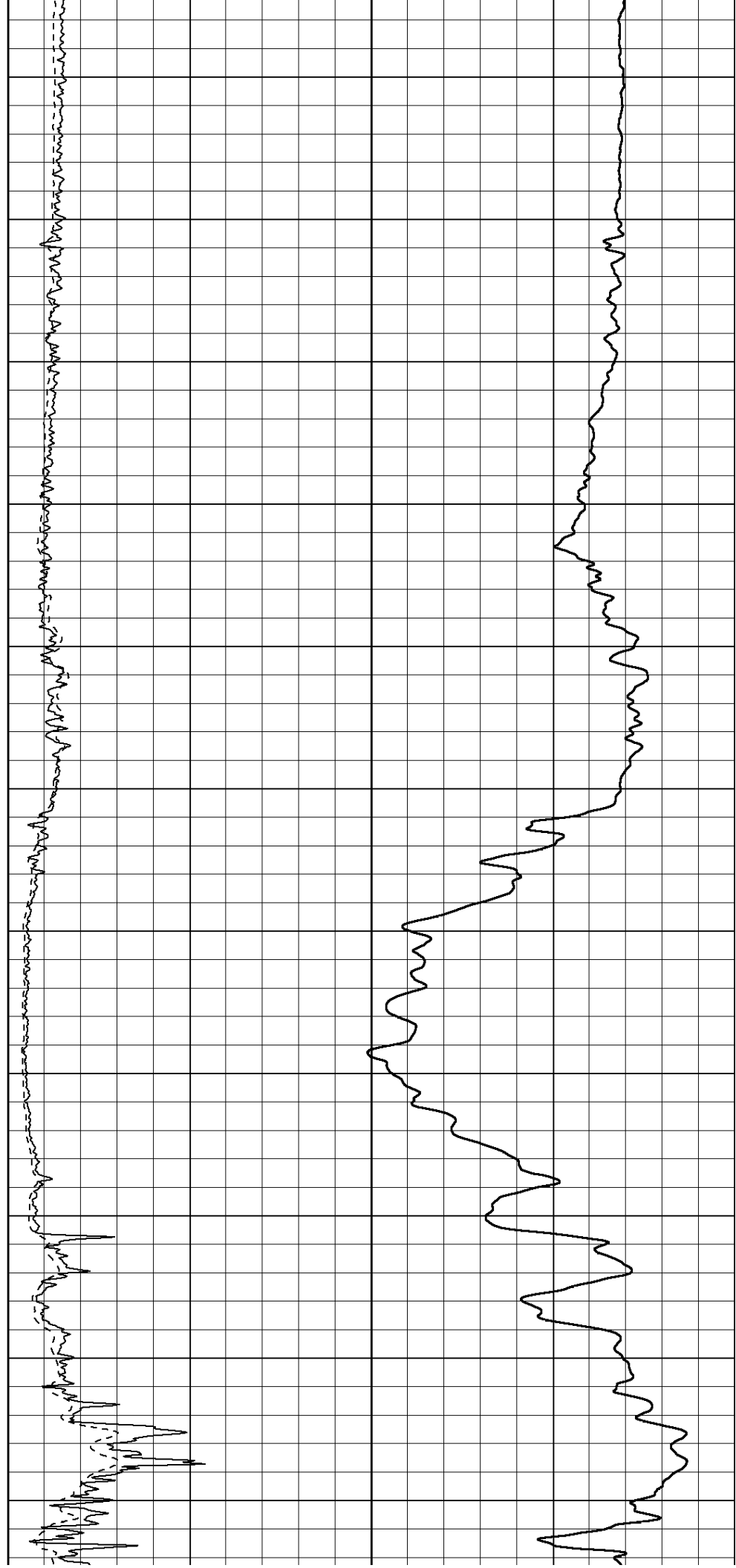
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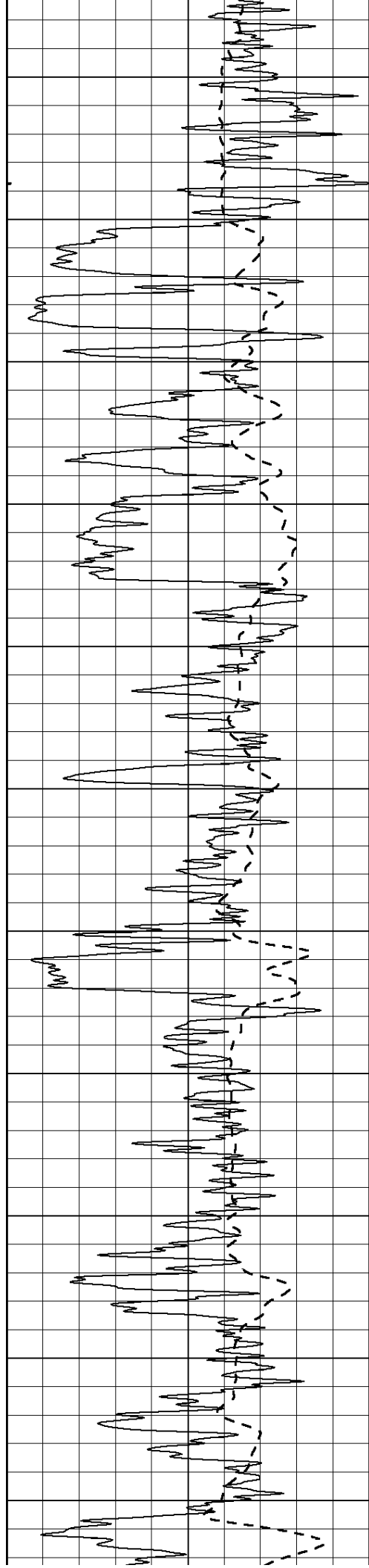
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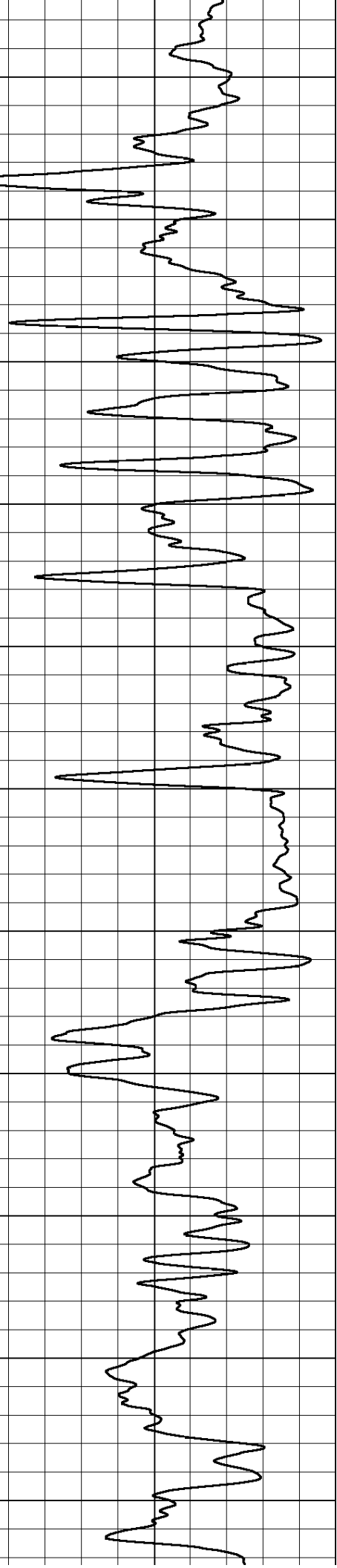
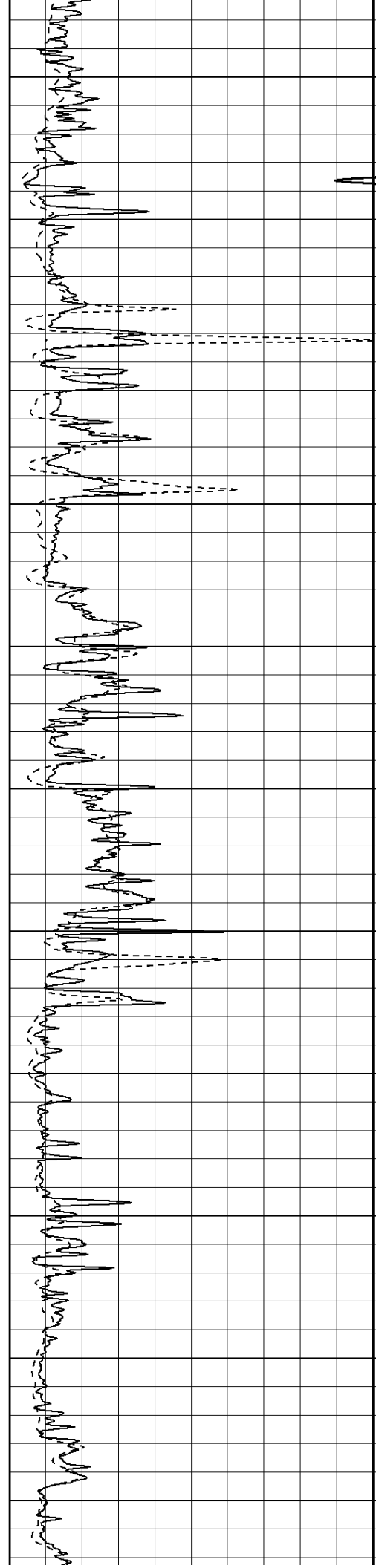
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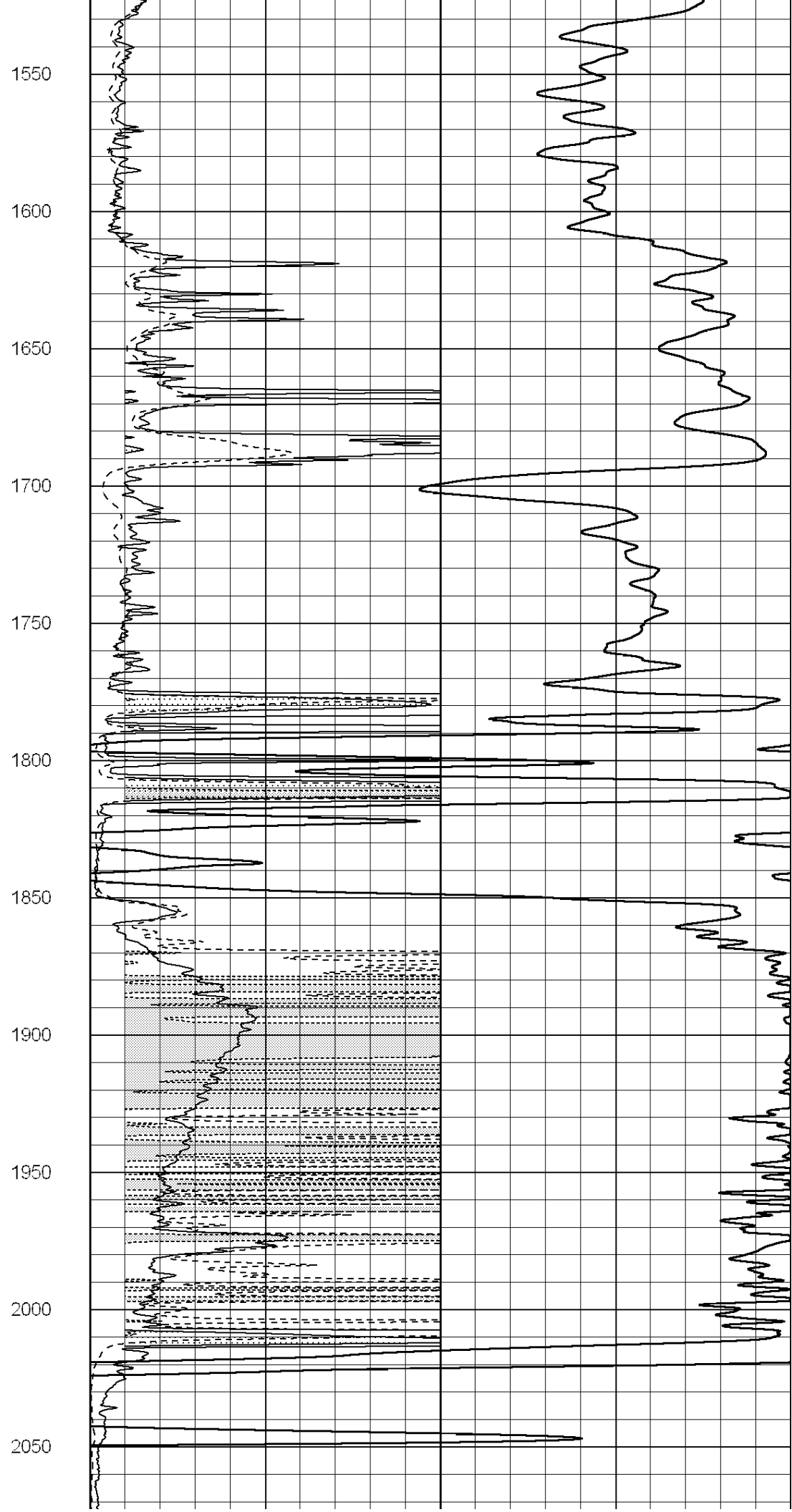
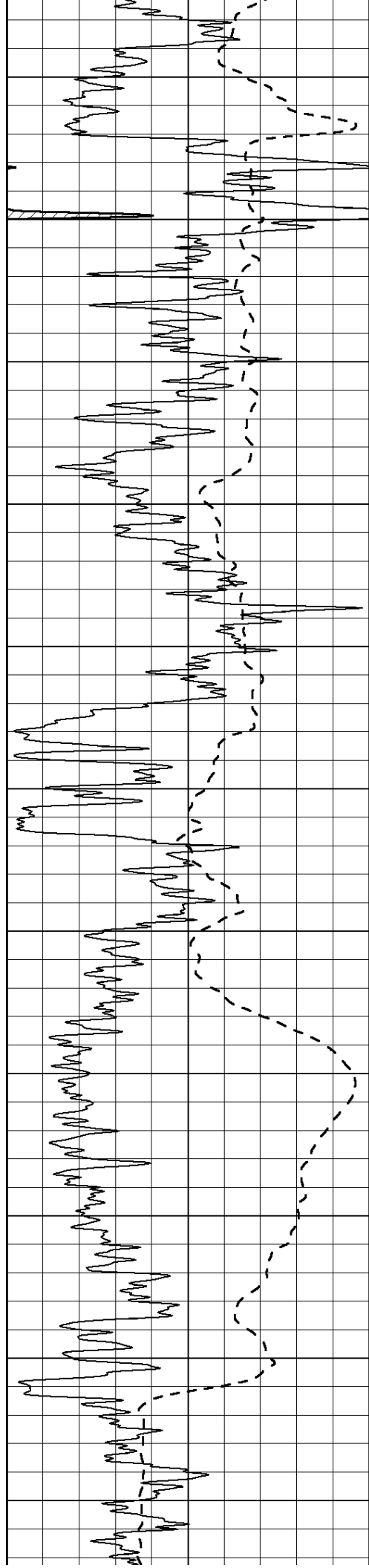
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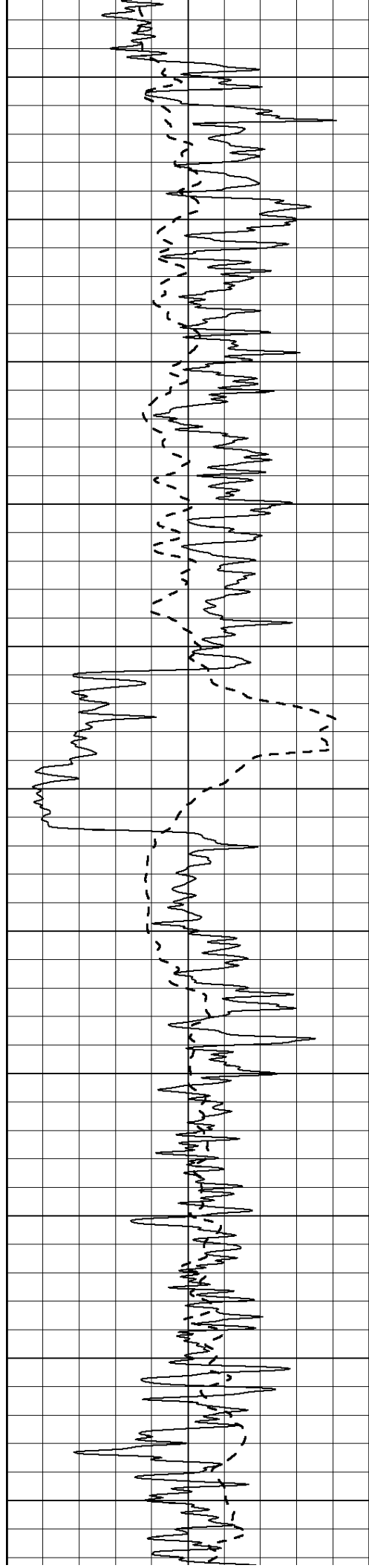




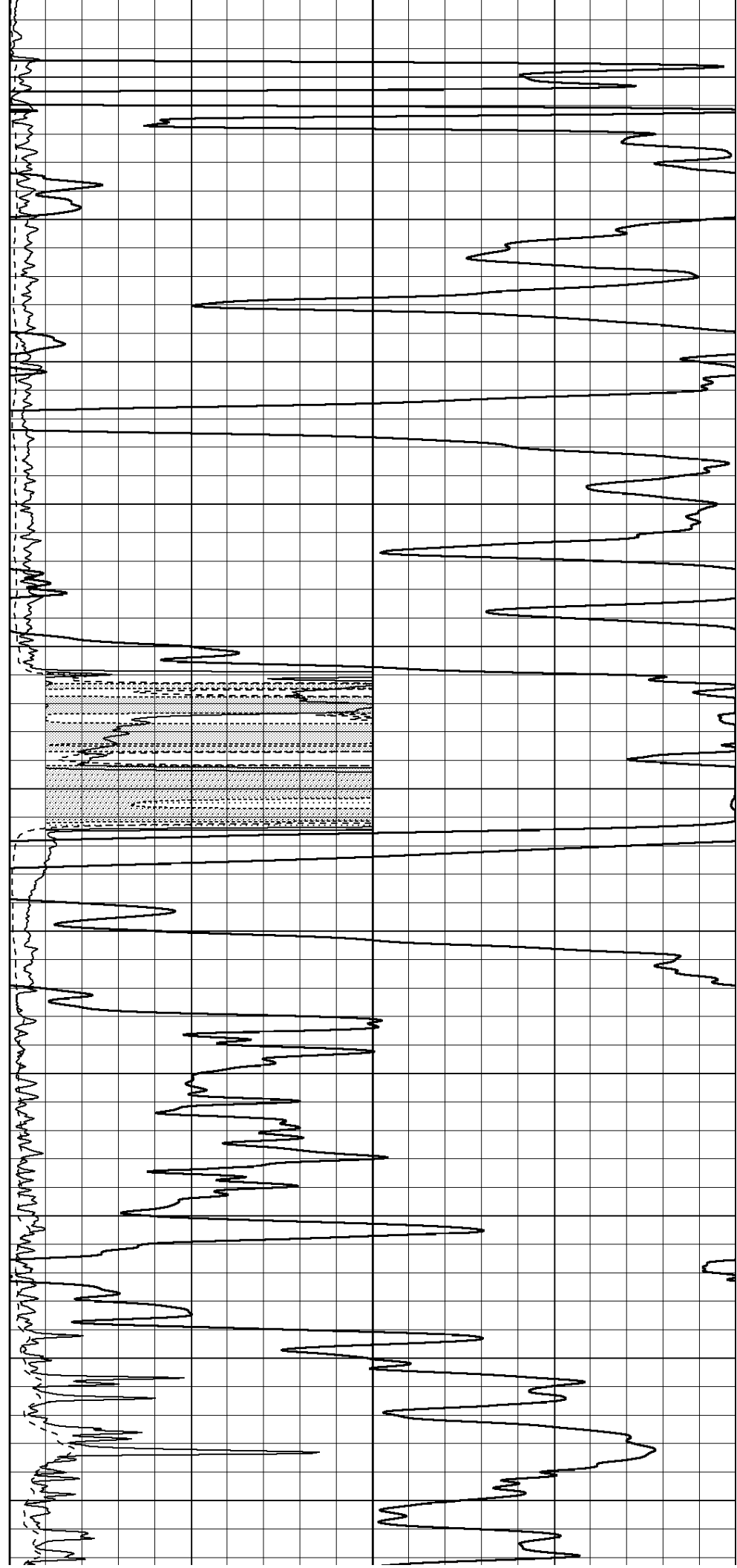
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1100
1150
1200
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1300
1350
1400
1450
1500

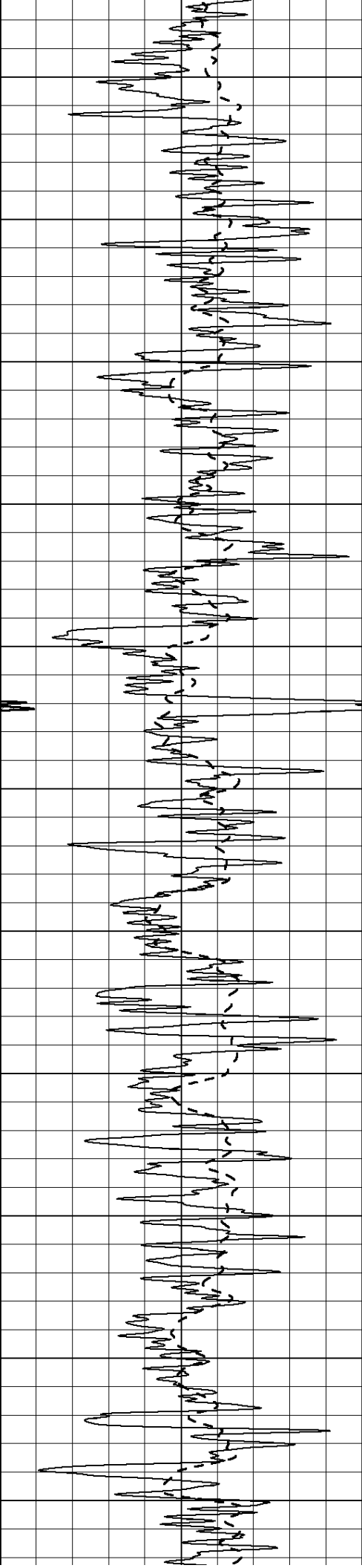






2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600





2650

2700

2750

2800

2850

2900

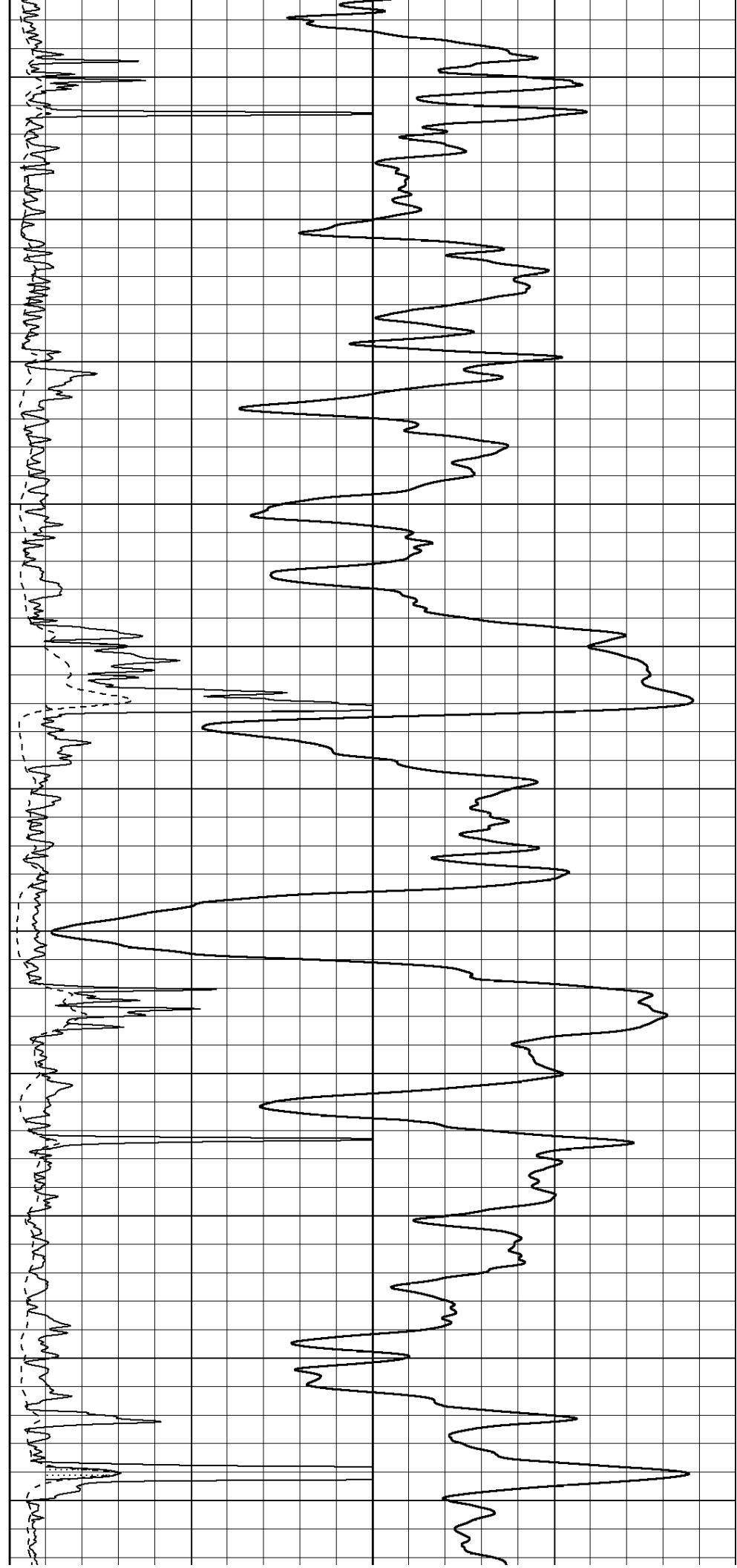
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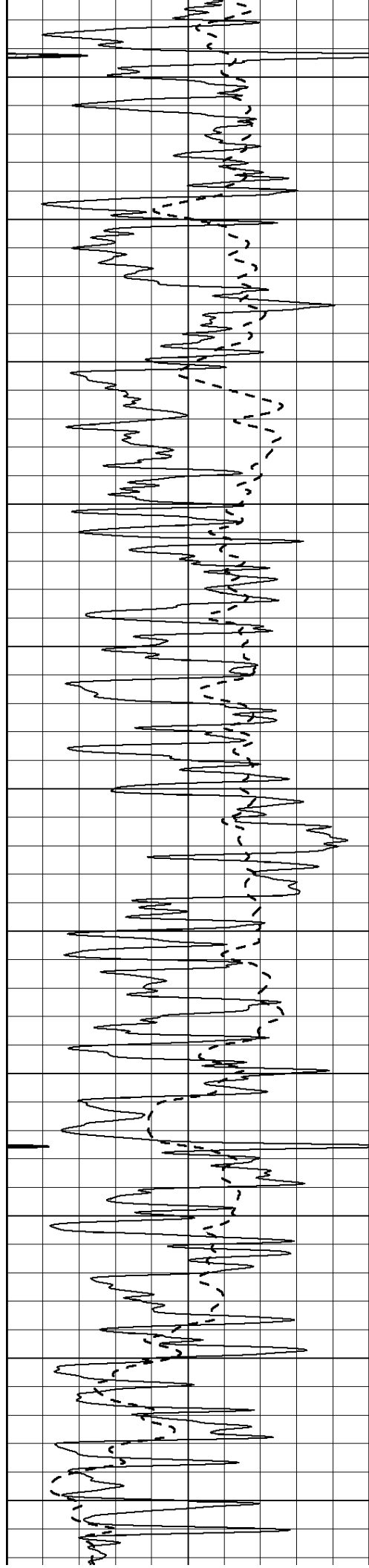
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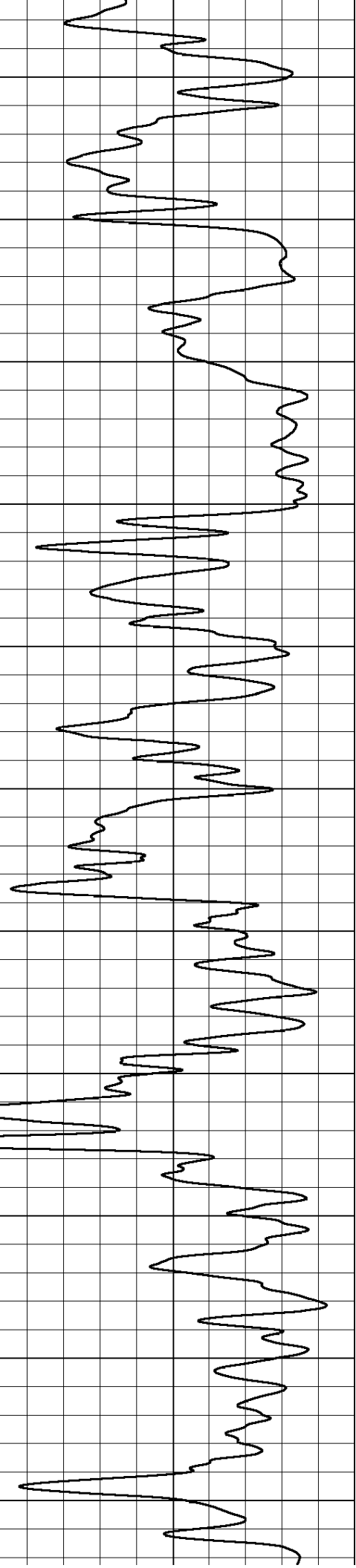
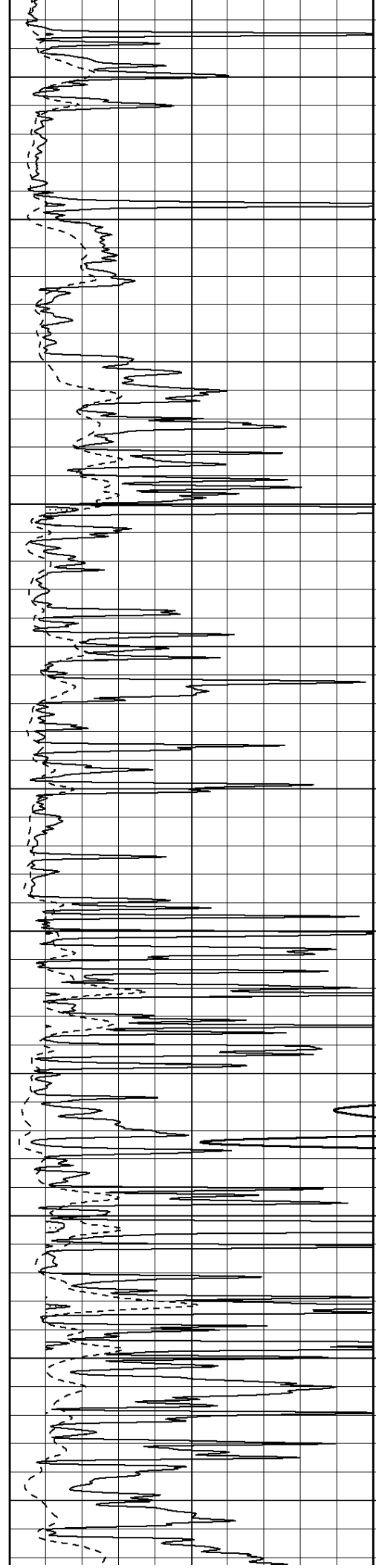
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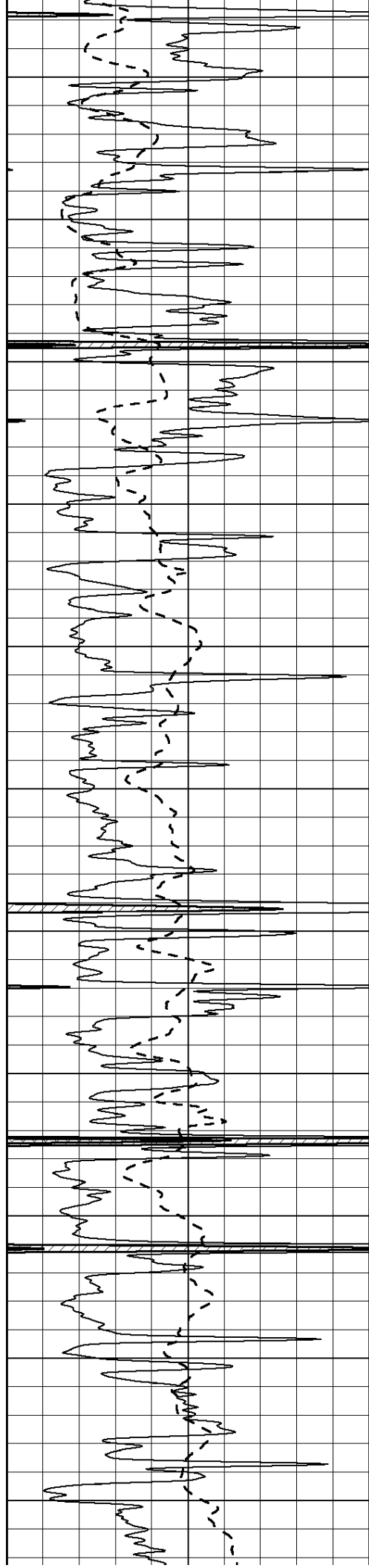
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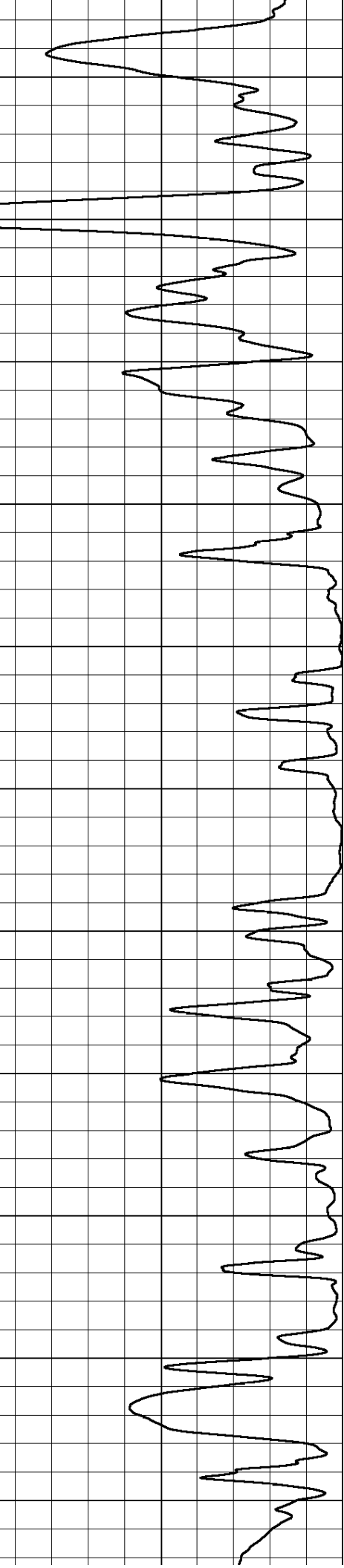
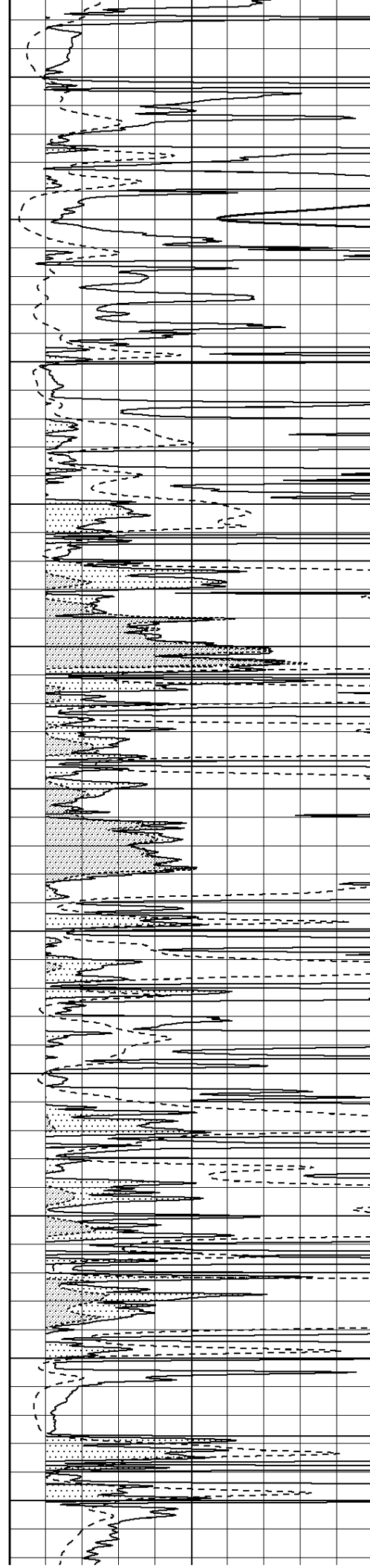


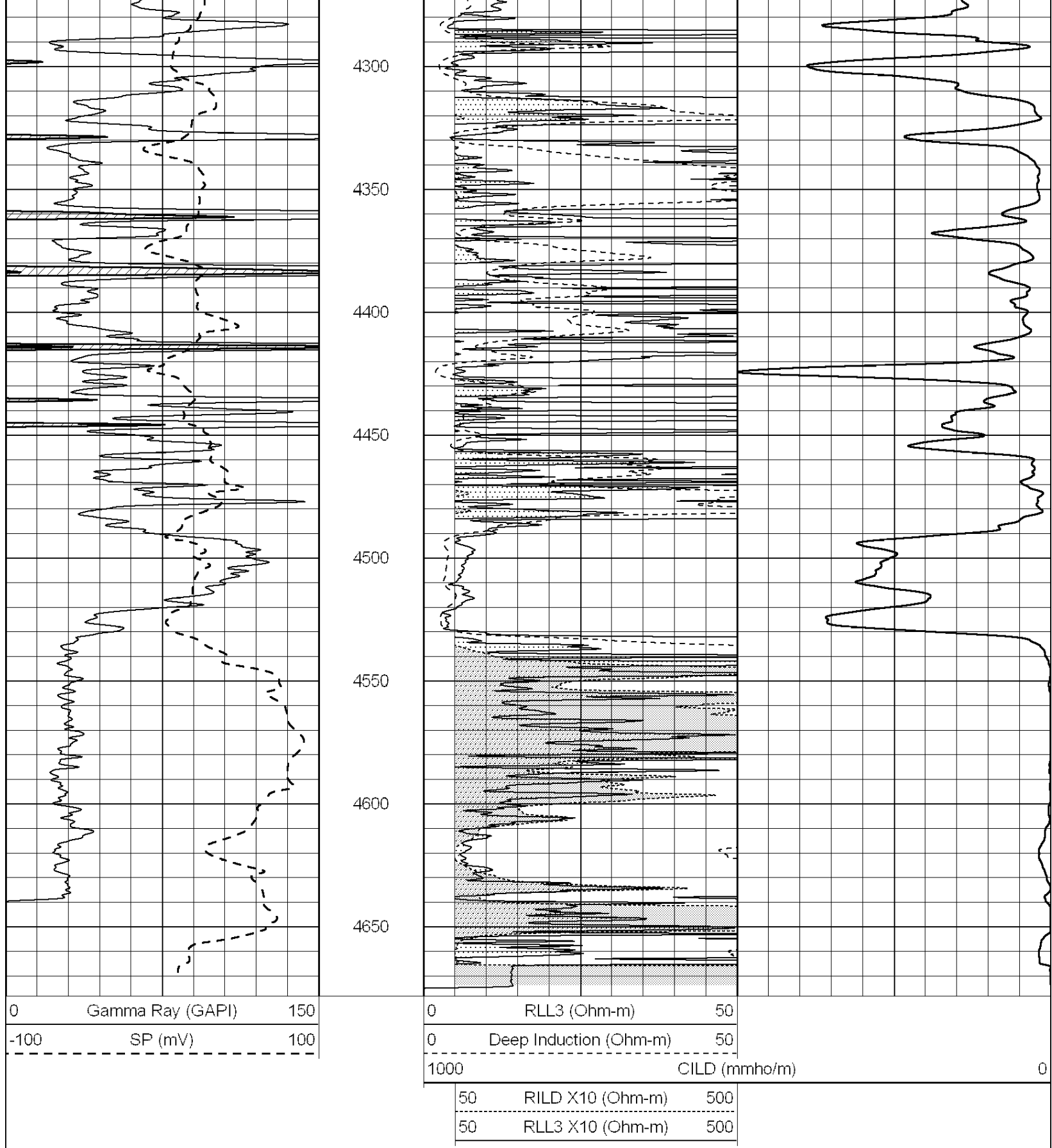
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3250
3300
3350
3400
3450
3500
3550
3600
3650
3700





3750
3800
3850
3900
3950
4000
4050
4100
4150
4200
4250



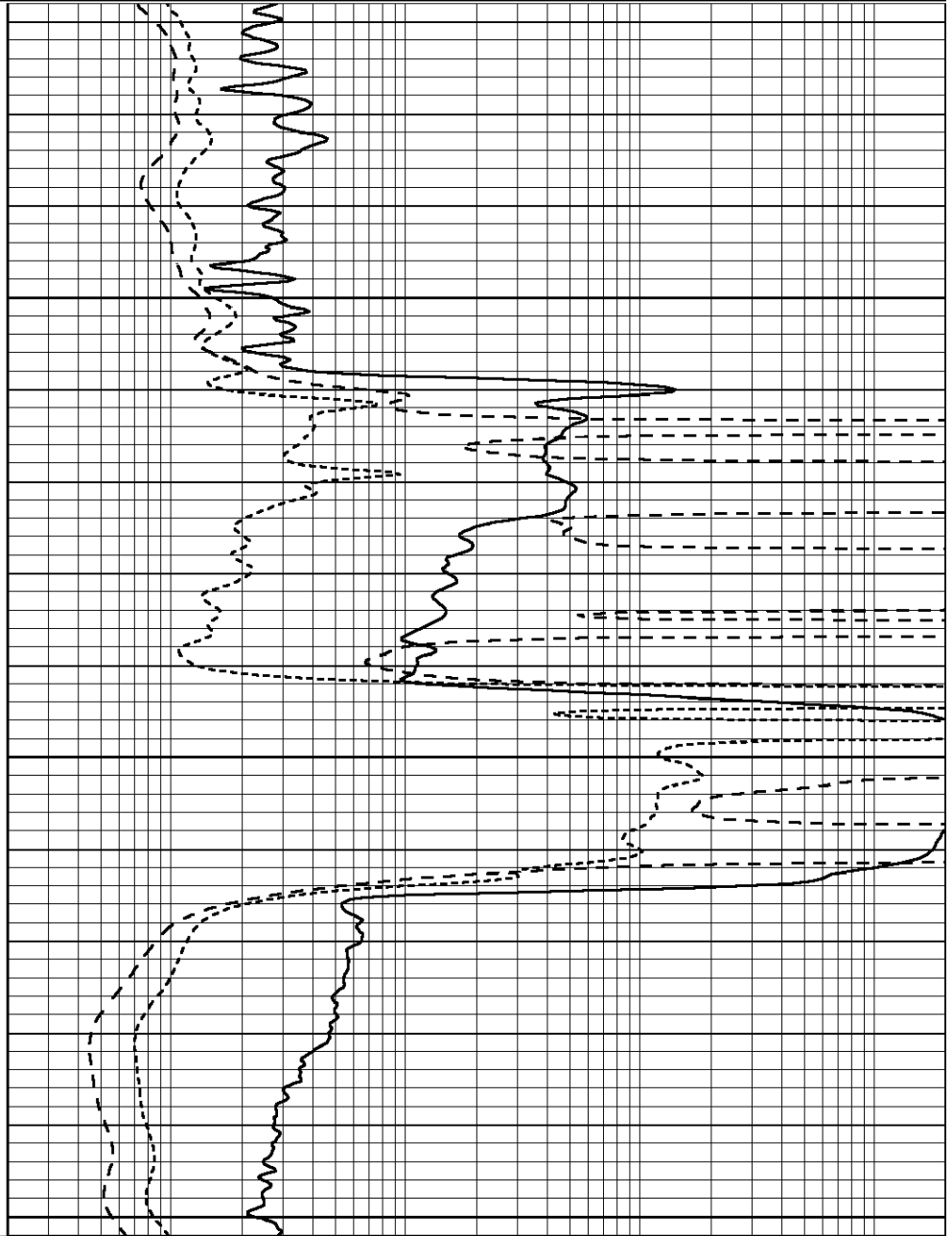
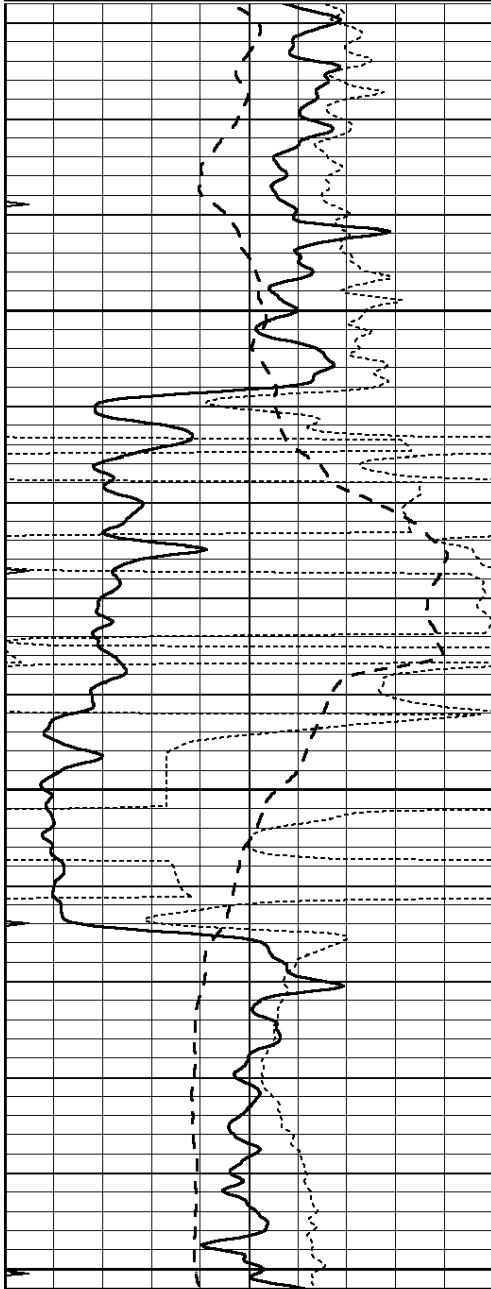


SUPERIOR
Hays,
Kansas

MAIN SECTION

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



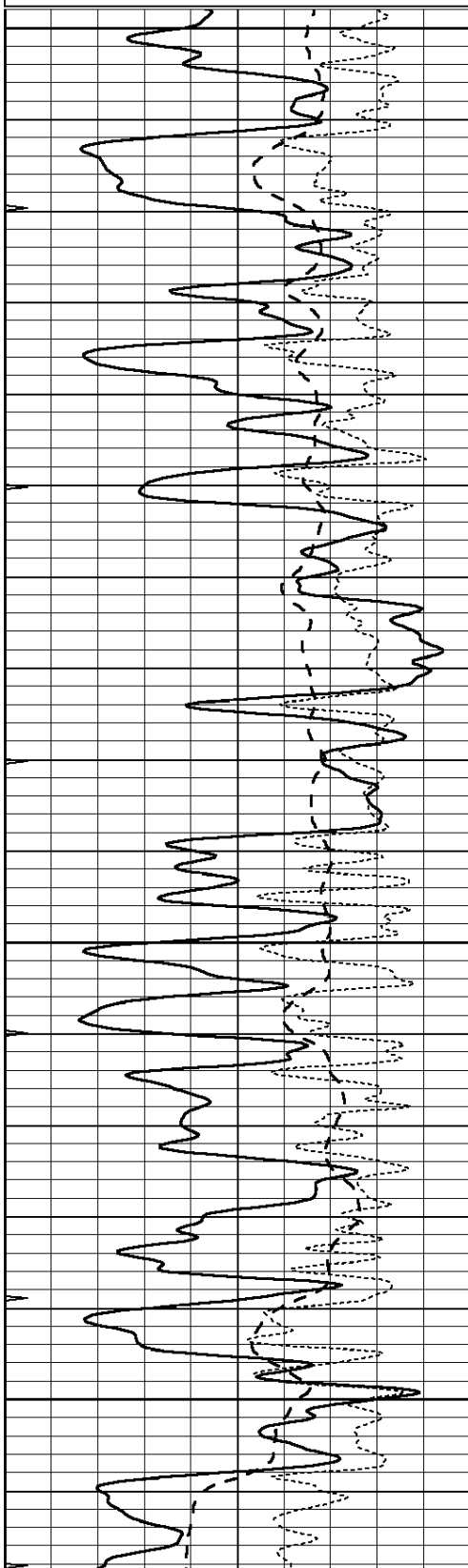
SUPERIOR
 Hays,
 Kansas

MAIN SECTION

Database File: 006671ddn.db
 Dataset Pathname: pass3.A
 Presentation Format: dil
 Dataset Creation: Mon Apr 04 06:44:09 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

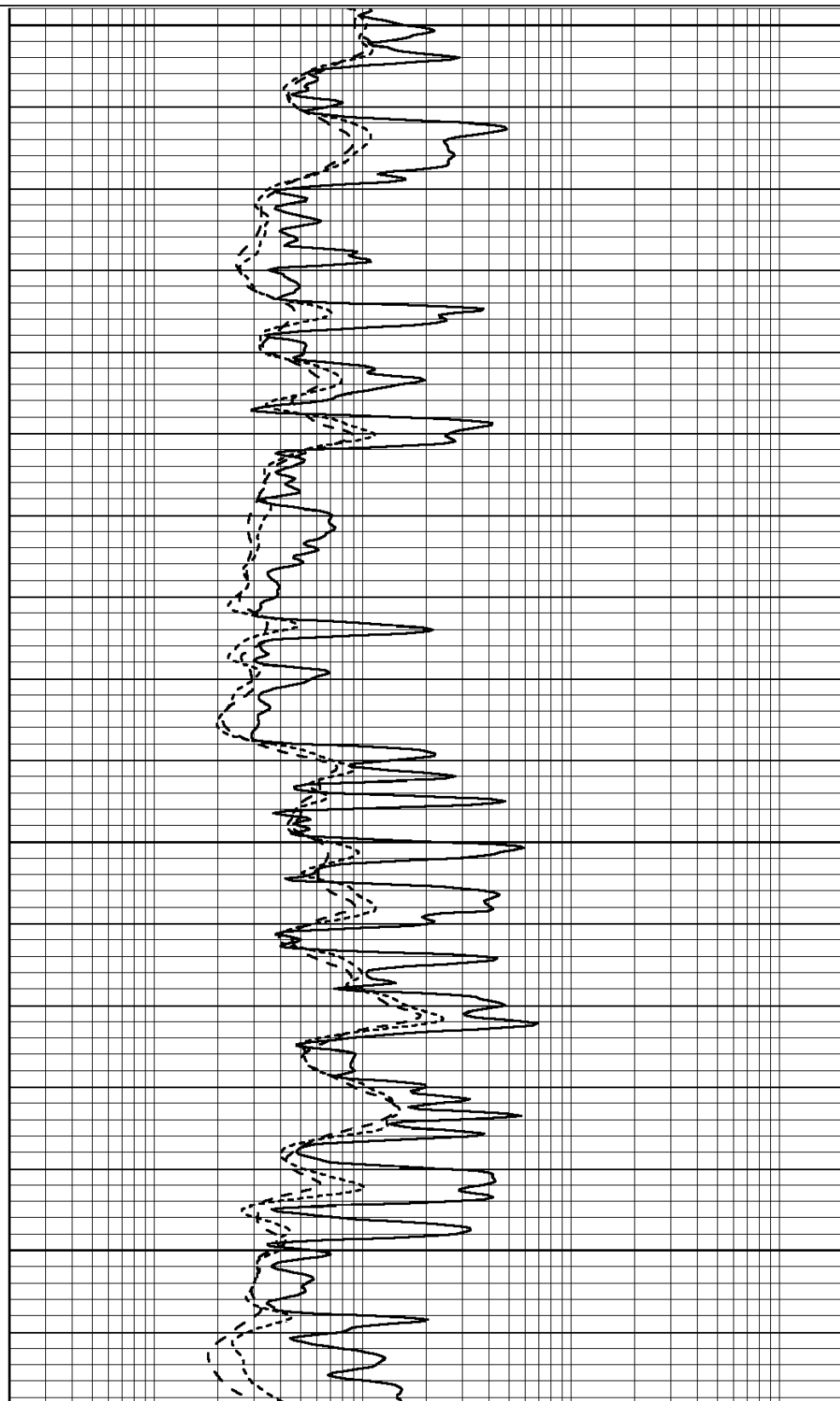


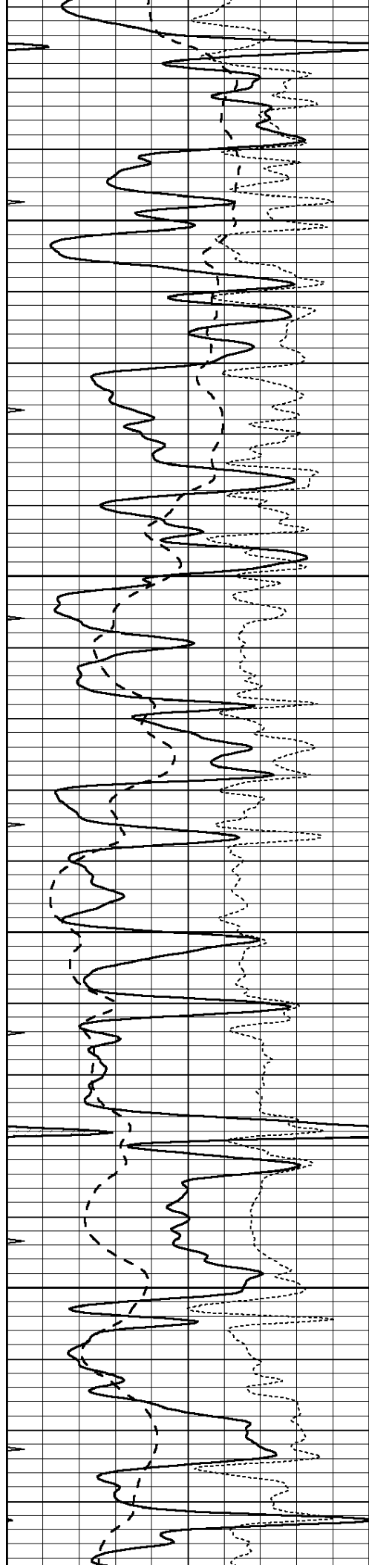
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3500

3550



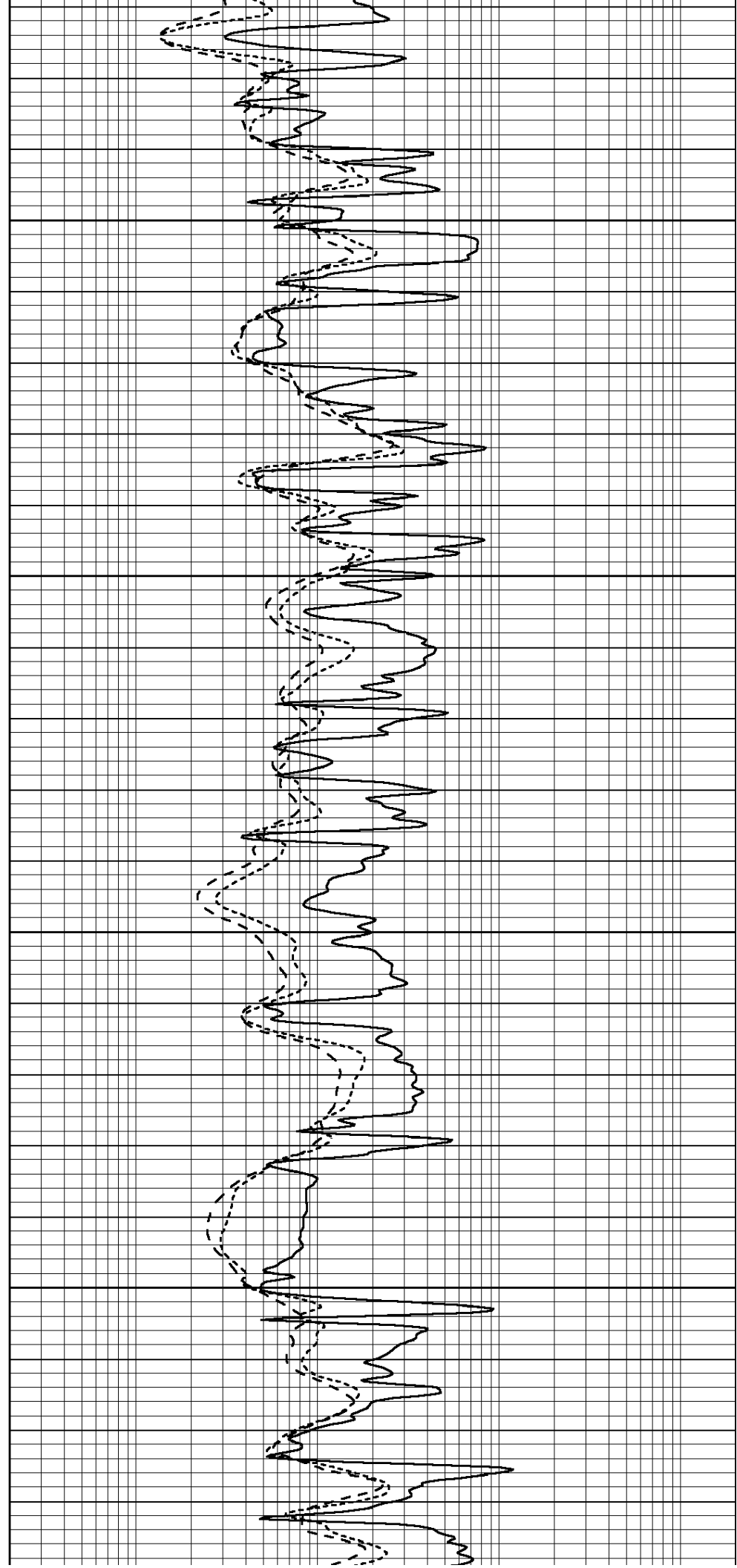


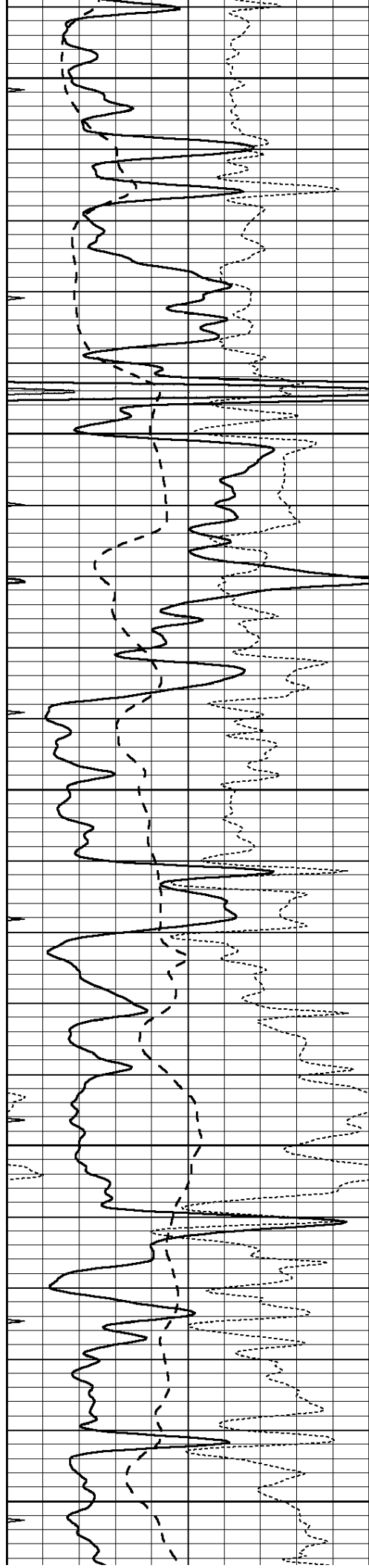
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3700

3750





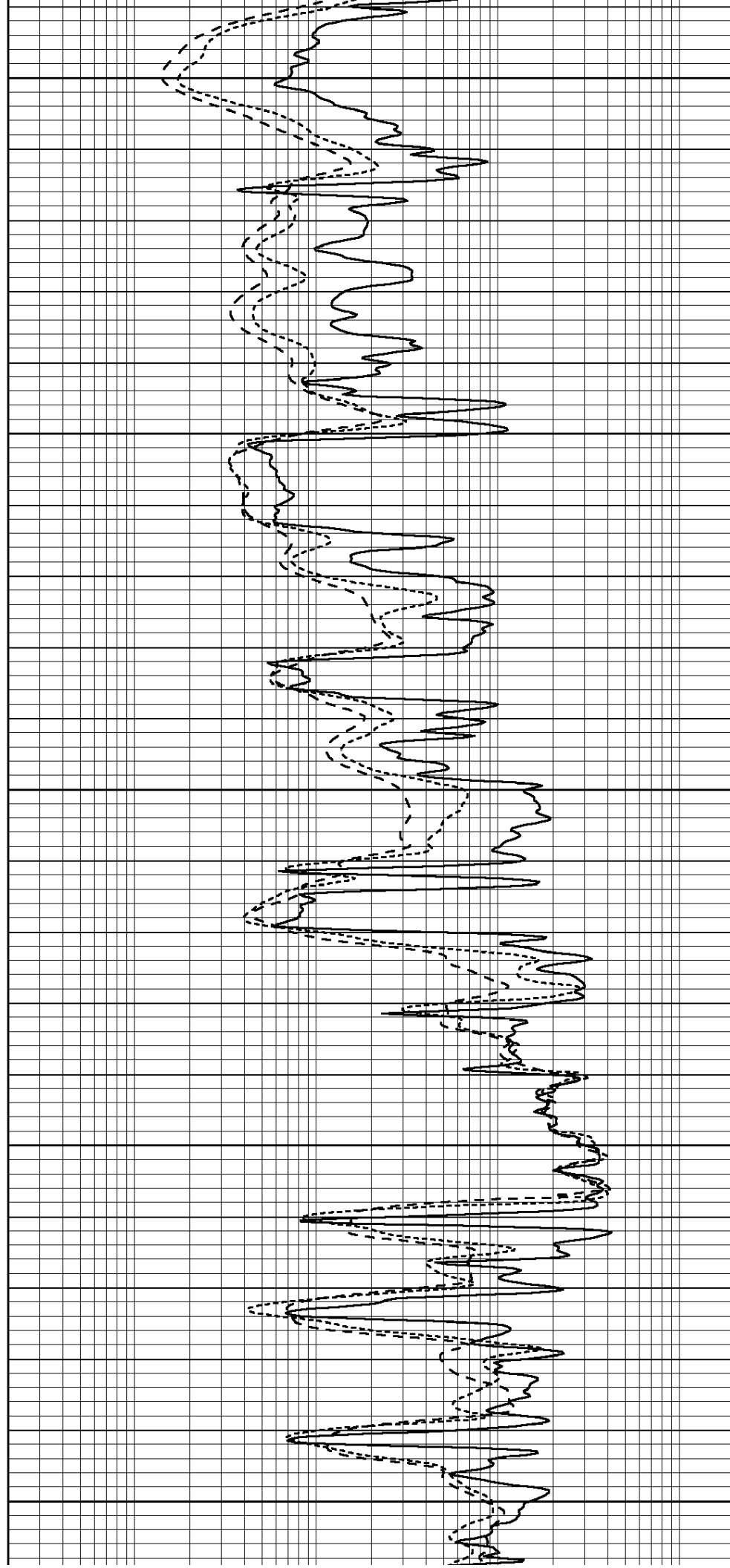
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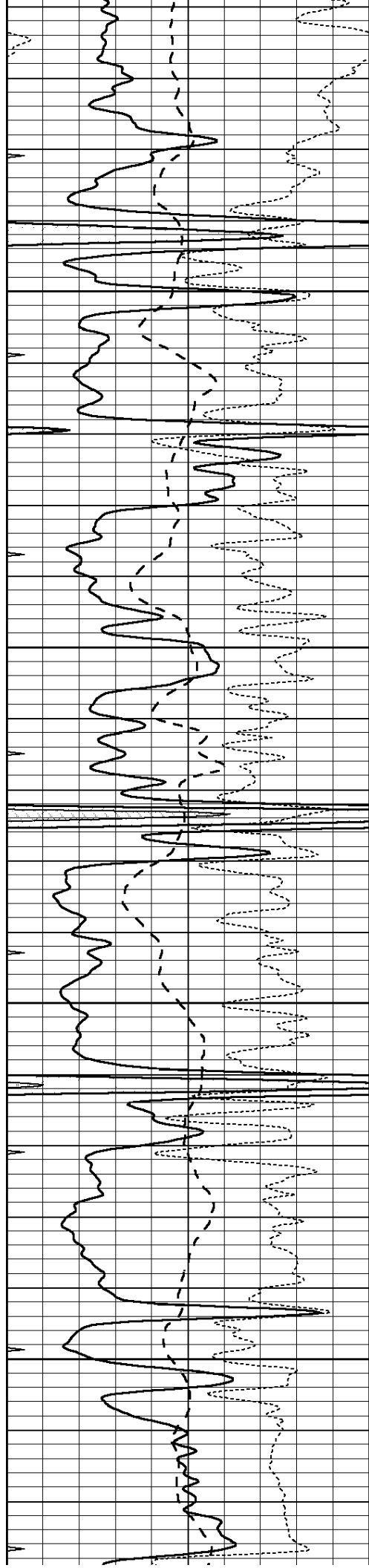
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3900

3950

4000



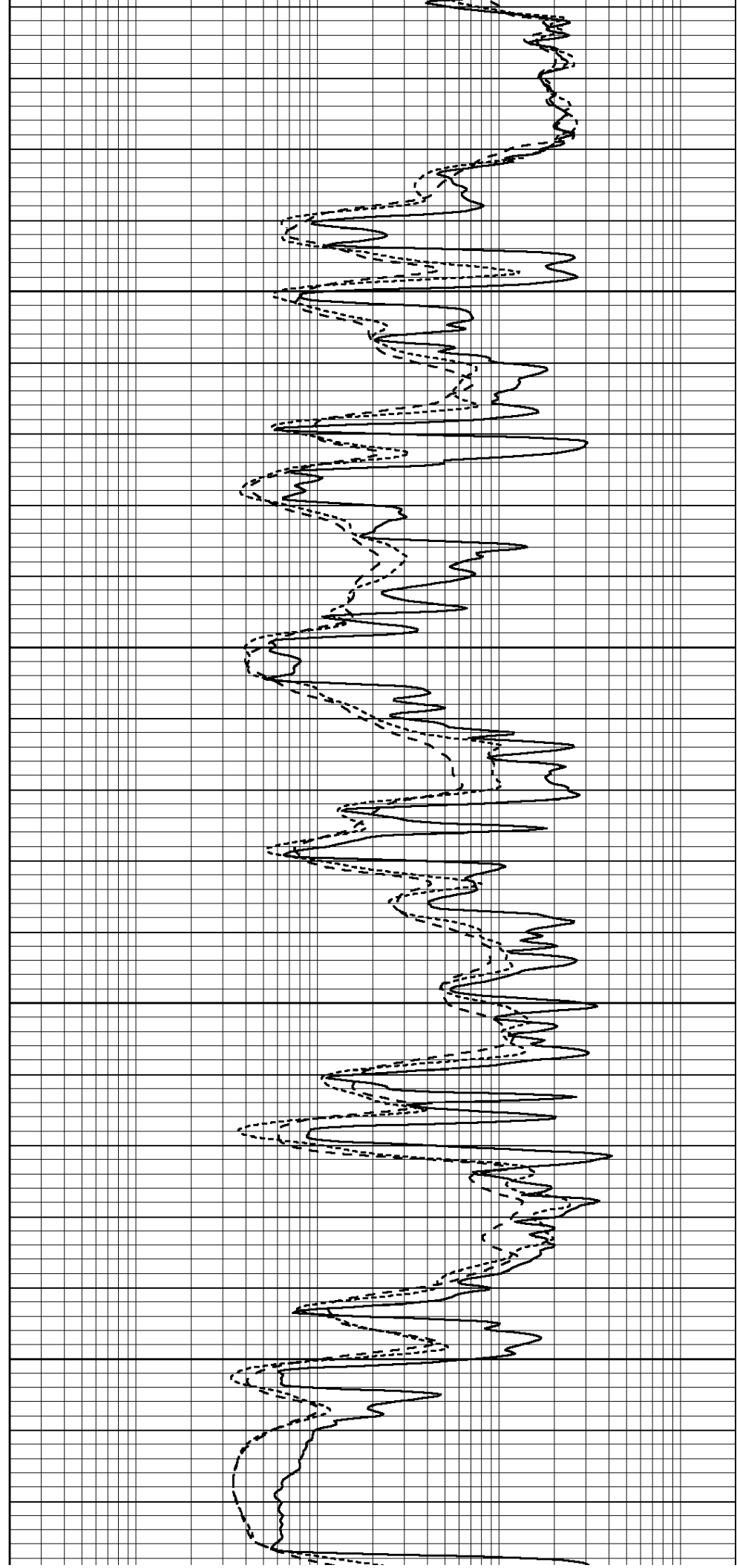


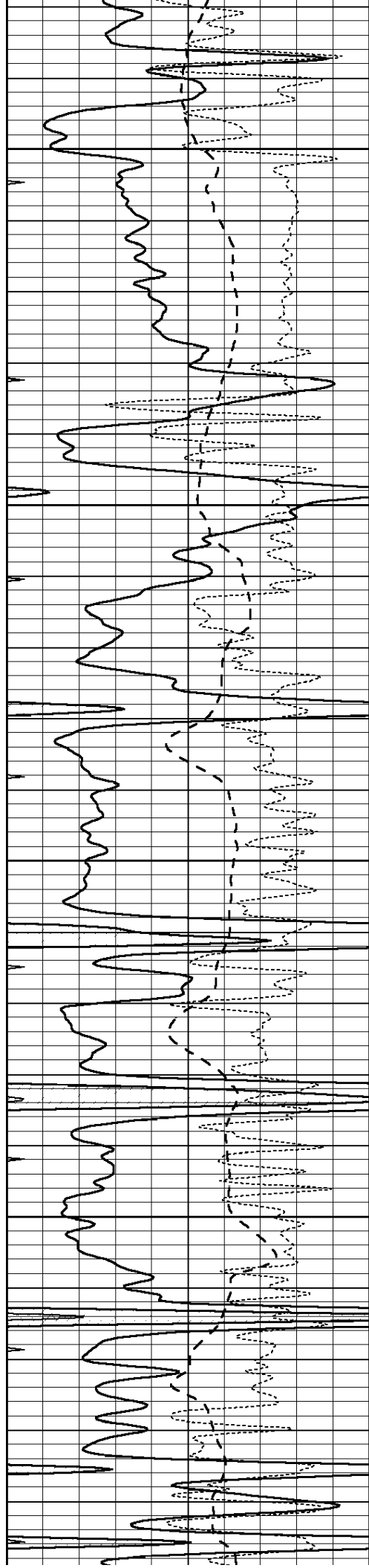
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4150

4200



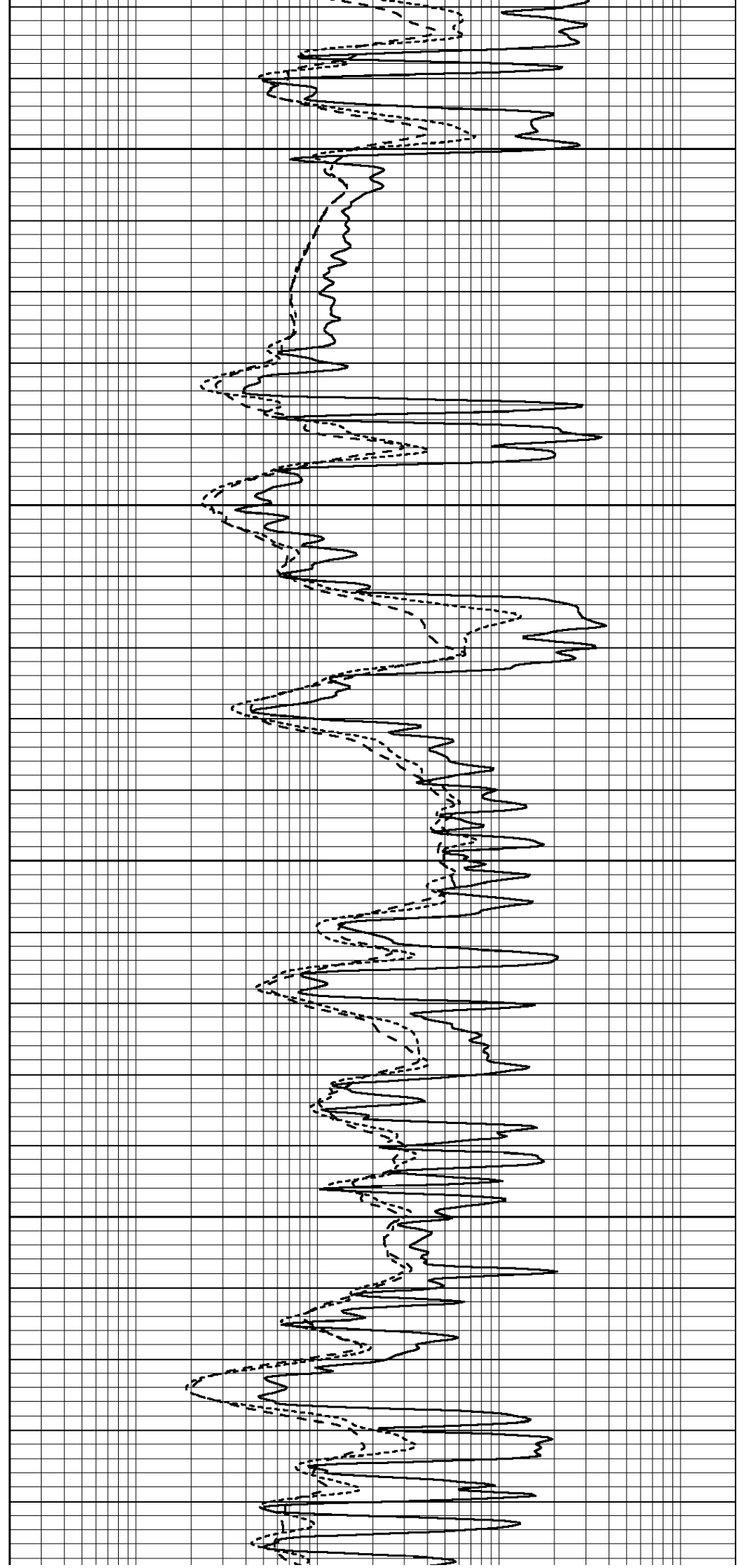


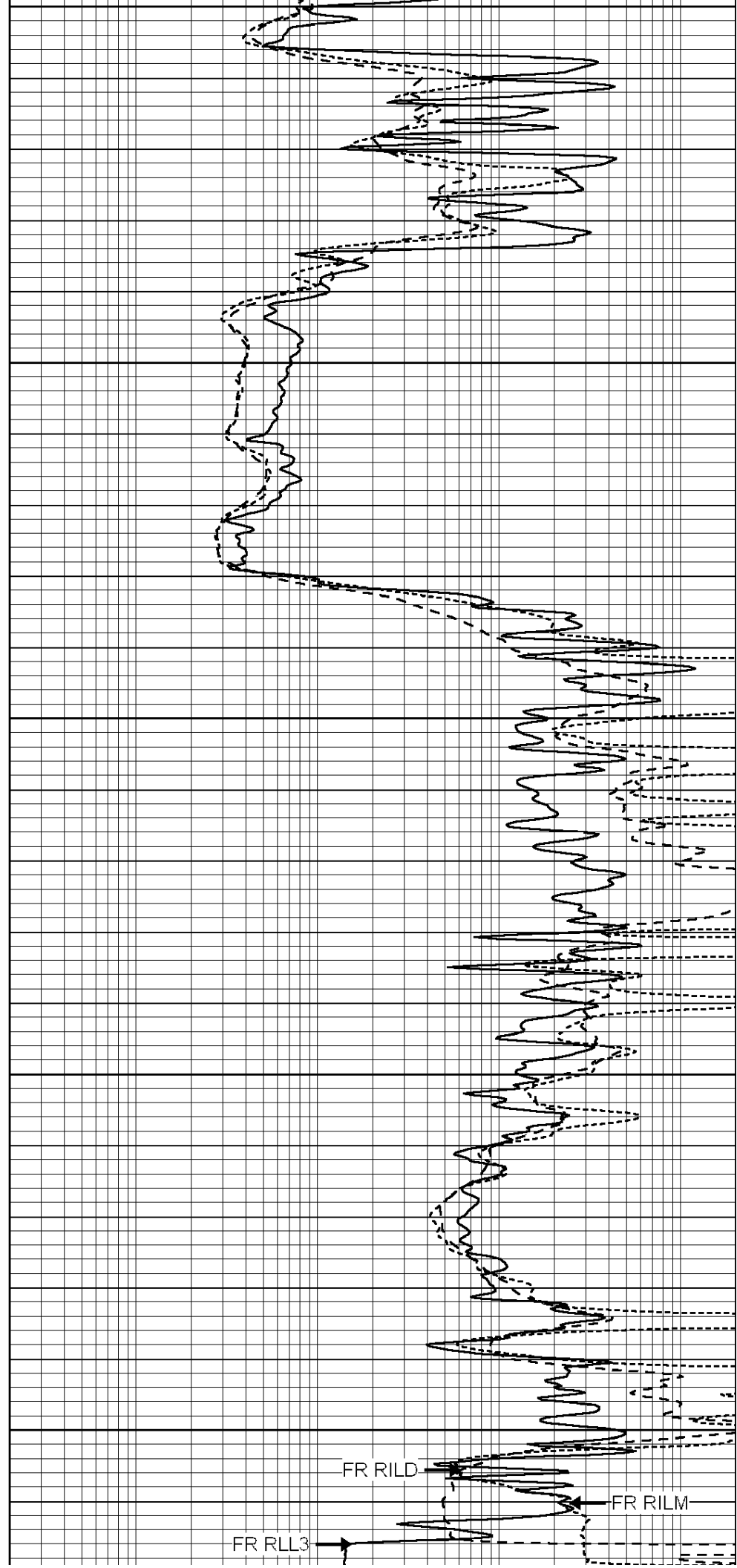
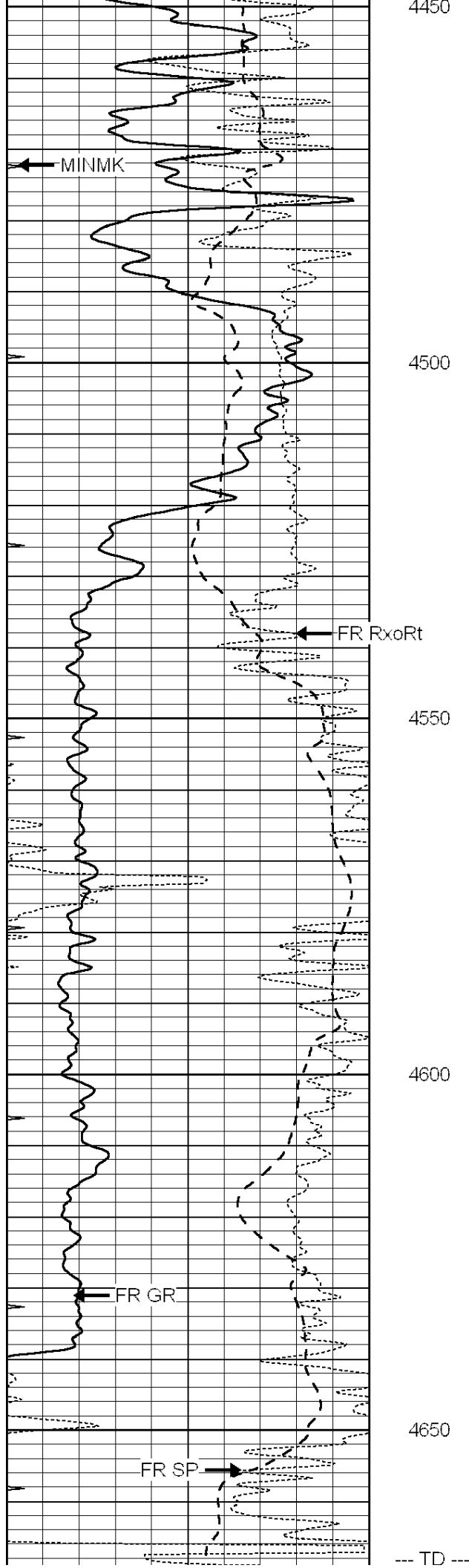
4250

4300

4350

4400





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



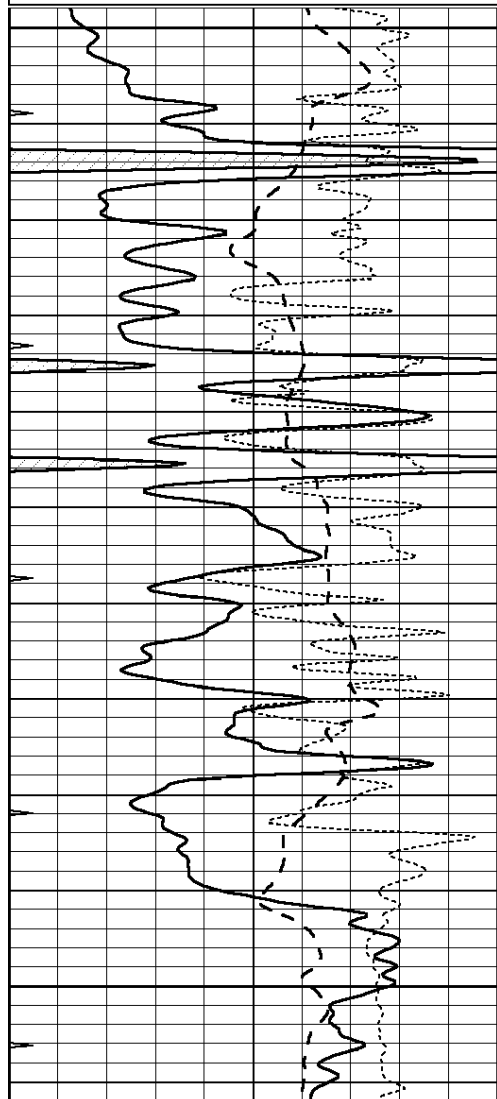
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File: 006671ddn.db
 Dataset Pathname: pass2.1A
 Presentation Format: dil
 Dataset Creation: Mon Apr 04 06:39:09 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

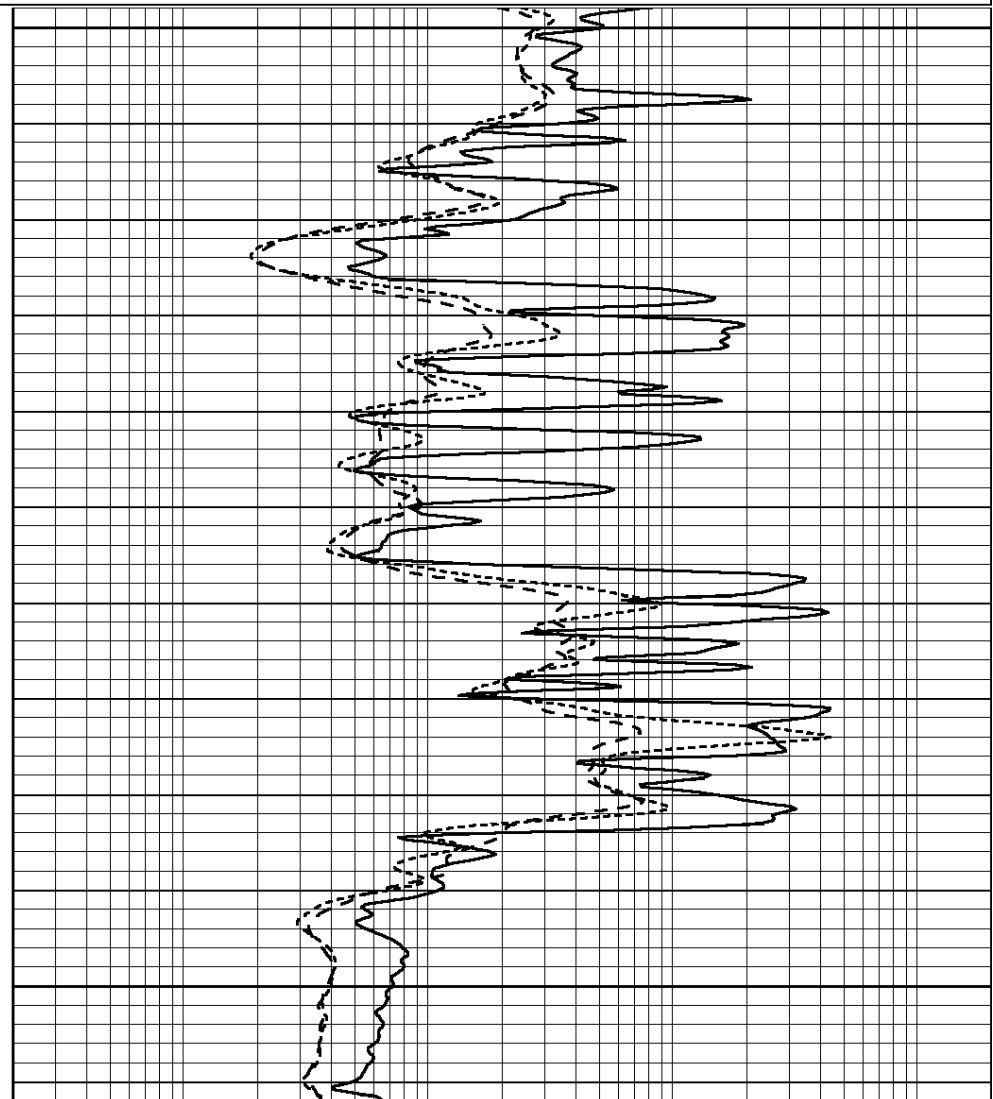
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

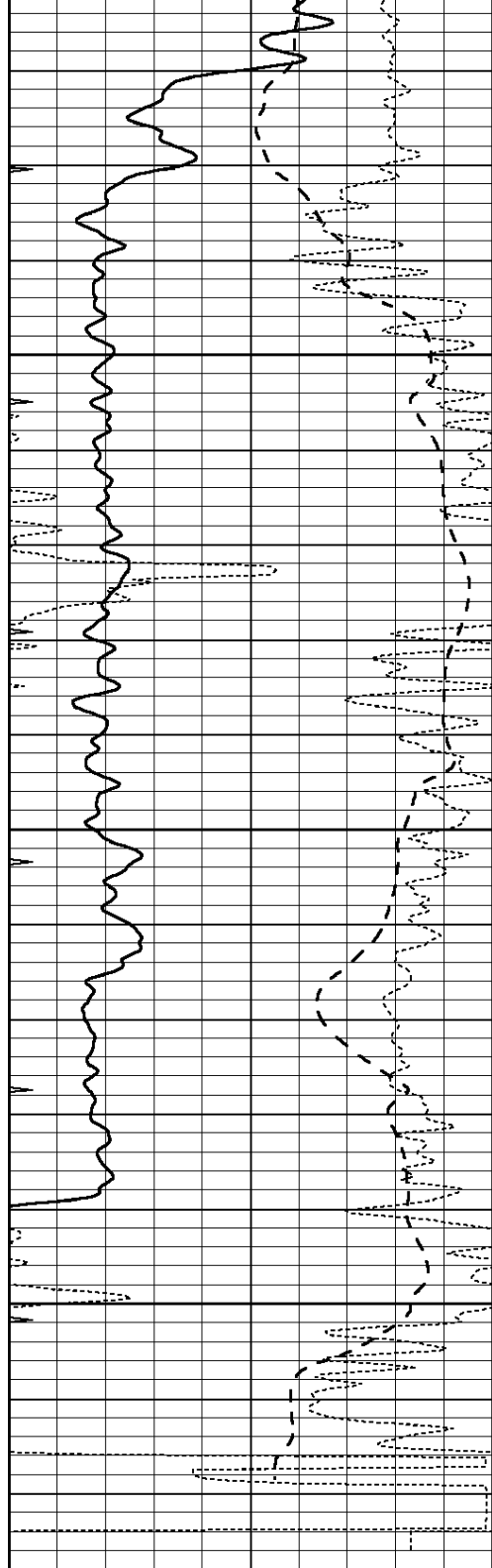


4400

4450

4500



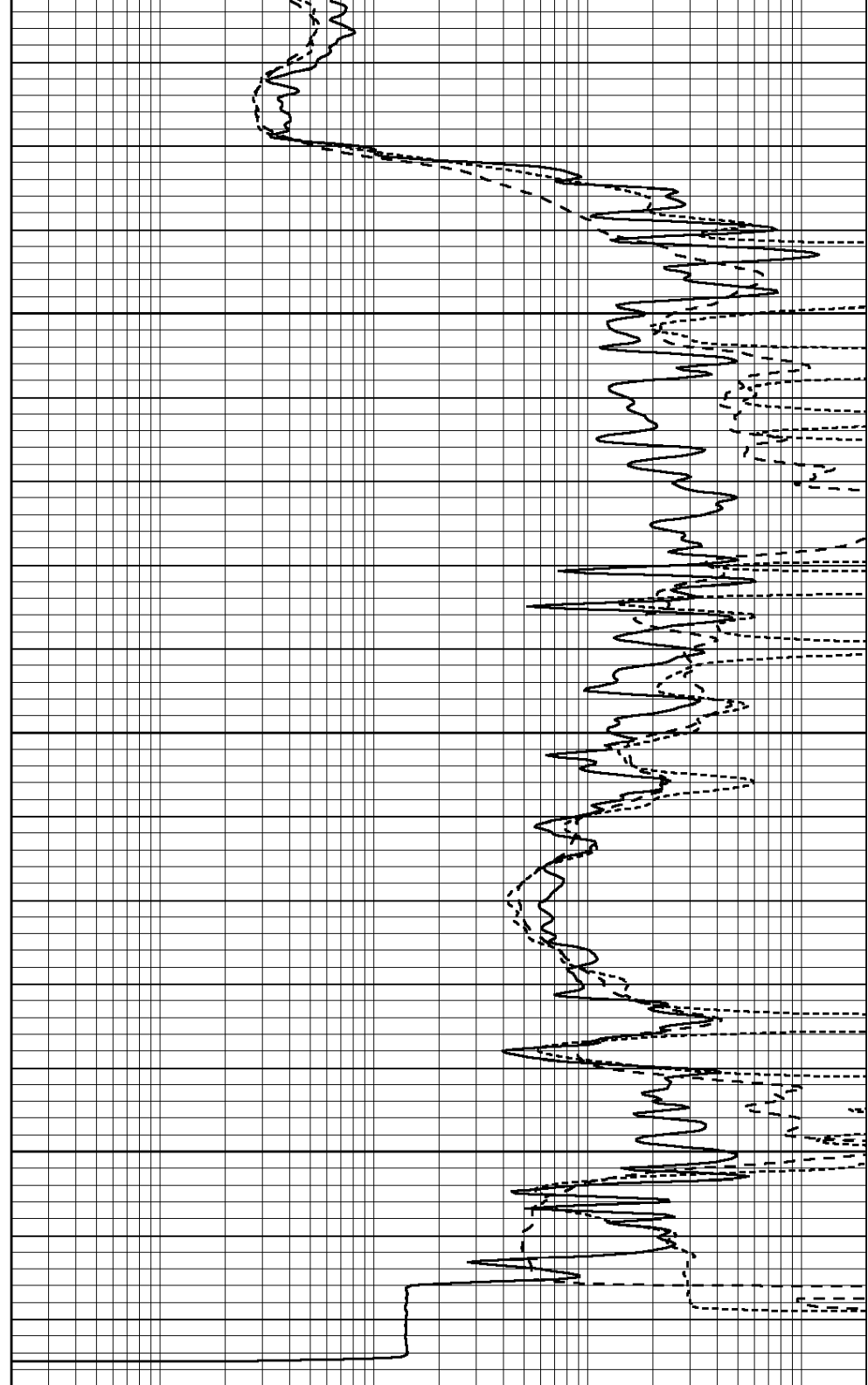


4550

4600

4650

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20



0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Calibration Report

Database File: 006671ddn.db
 Dataset Pathname: pass3.A
 Dataset Creation: Mon Apr 04 06:44:09 2011

Dual Induction Calibration Report

Serial-Model:
Performed:

DIL5-GEAR
Mon Apr 04 04:39:49 2011

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho/m	590.000	-2.000
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	560.000	-12.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.006	0.655	V	0.000	400.000	mmho/m	615.668	-3.483
Medium	0.010	0.747	V	0.000	462.500	mmho/m	627.607	-6.064

Compensated Density Calibration Report

Serial-Model: GEAR1-GEARHART
 Source / Verifier: 147 / 147
 Master Calibration Performed: Mon Apr 04 03:01:34 2011

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1243.76	629.14	cps
Aluminum	2.590	g/cc	282.16	435.01	cps
Spine Angle = 76.03			Density/Spine Ratio = 0.576		
	Size		Reading		
Small Ring	7.80	in	3.82	V	
Large Ring	14.20	in	6.37	V	

Compensated Neutron Calibration Report

Serial Number: NUE_2I
 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

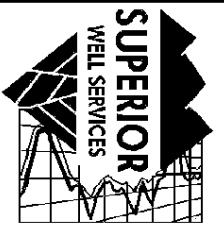
Gamma Ray Calibration Report

Serial Number: GR5
 Tool Model: OPEN
 Performed: Mon Apr 04 04:32:40 2011

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.6300 GAPI/cps



**SUPERIOR
Hays,
Kansas**

**MICRO
LOG**

Company RAYMOND OIL COMPANY INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN State KANSAS

Company RAYMOND OIL COMPANY, INC.
Well MICHAELIS #1
Field WILDCAT
County LOGAN
State KANSAS

Location: API #: 15-109-20996
1258' FNL & 836' FEL
SEC 3 TWP 14S RGE 32W
Permanent Datum GROUND LEVEL Elevation 2863
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
CDL/CNL
DIL/SONIC
Elevation
K.B. 2868
D.F.
G.L. 2863

Date	4-4-11
Run Number	TWO
Depth Driller	4670
Depth Logger	4668
Bottom Logged Interval	4650
Top Log Interval	3400
Casing Driller	263
Casing Logger	263
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.2 / 61
pH / Fluid Loss	8.8 / 8.8
Source of Sample	FLOWLINE
Rm @ Meas. Temp	0.70 @ 69F
Rmf @ Meas. Temp	0.53 @ 69F
Rmc @ Meas. Temp	0.84 @ 69F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.400 @ 121F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	3:45 A.M.
Maximum Recorded Temperature	121F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	MAX LOVELLY

<<< 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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: OAKLEY, 18S, 1/8W INTO.



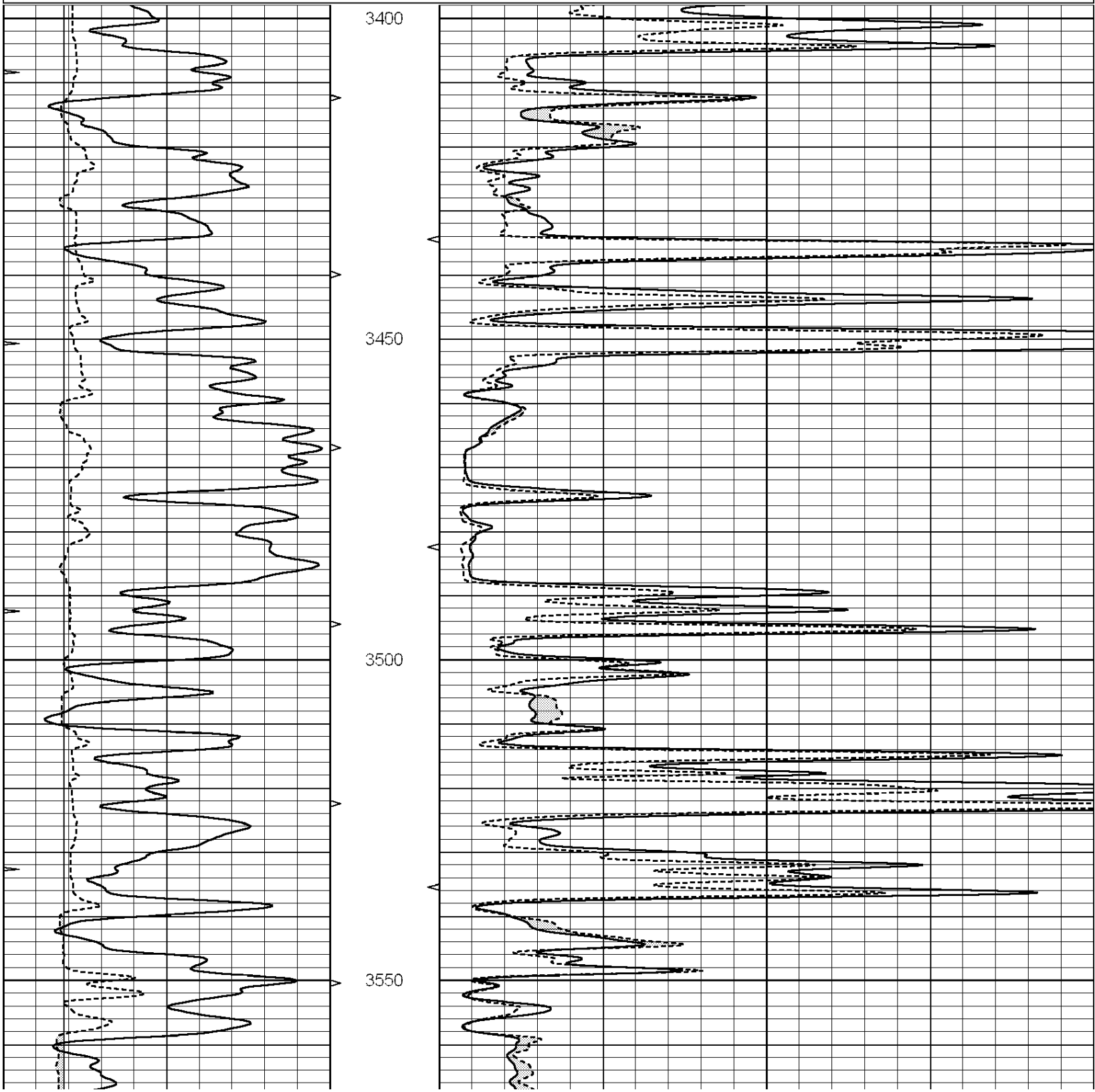
**SUPERIOR
Hays,
Kansas**

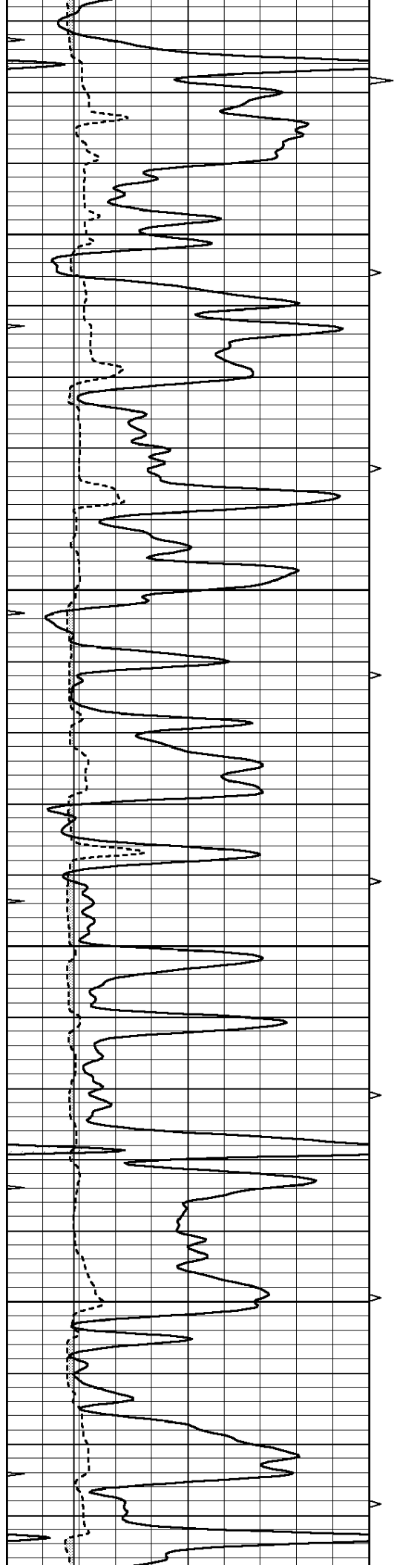
MAIN SECTION

Database File: 006671ddn.db
 Dataset Pathname: pass5.1A
 Presentation Format: micro
 Dataset Creation: Mon Apr 04 08:20:32 2011
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



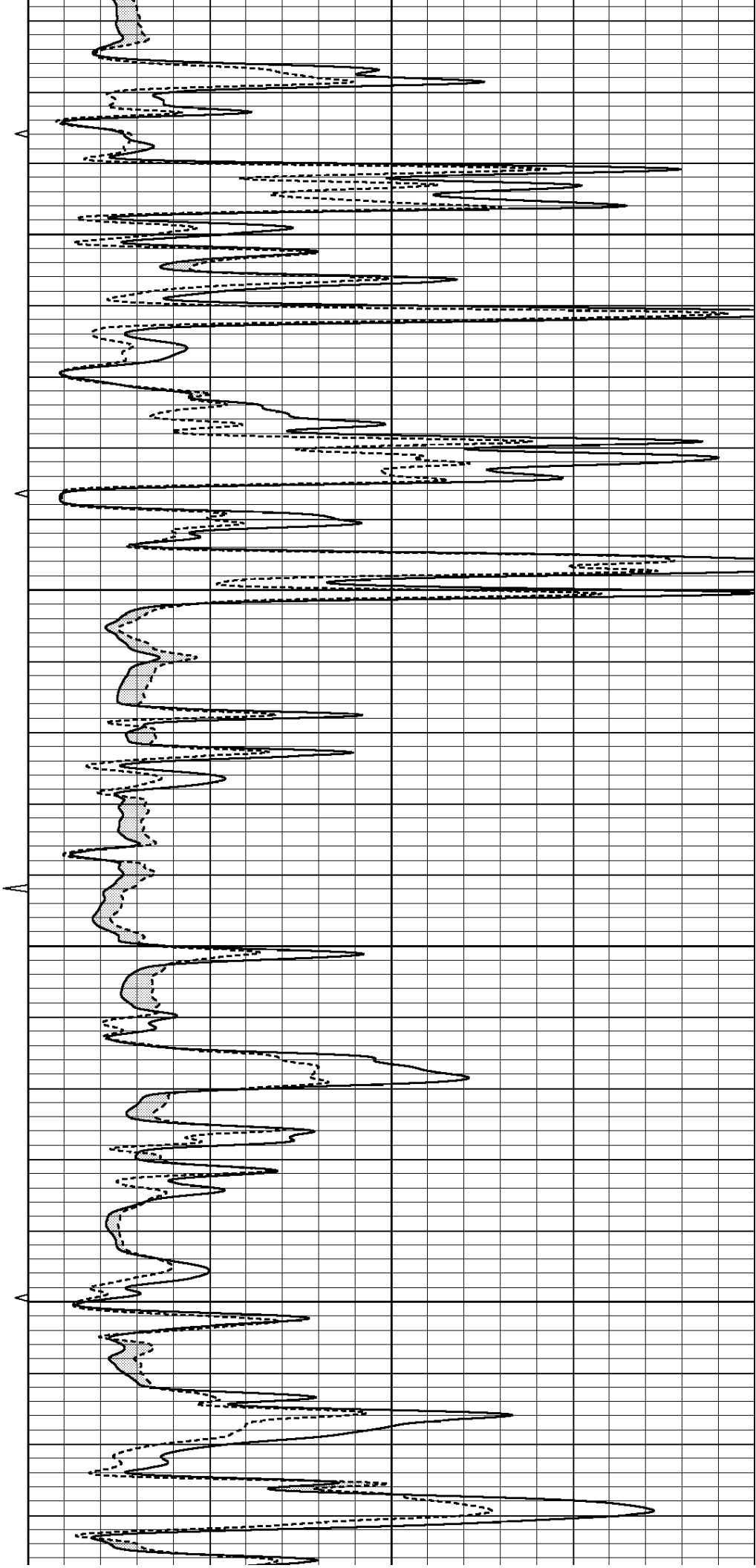


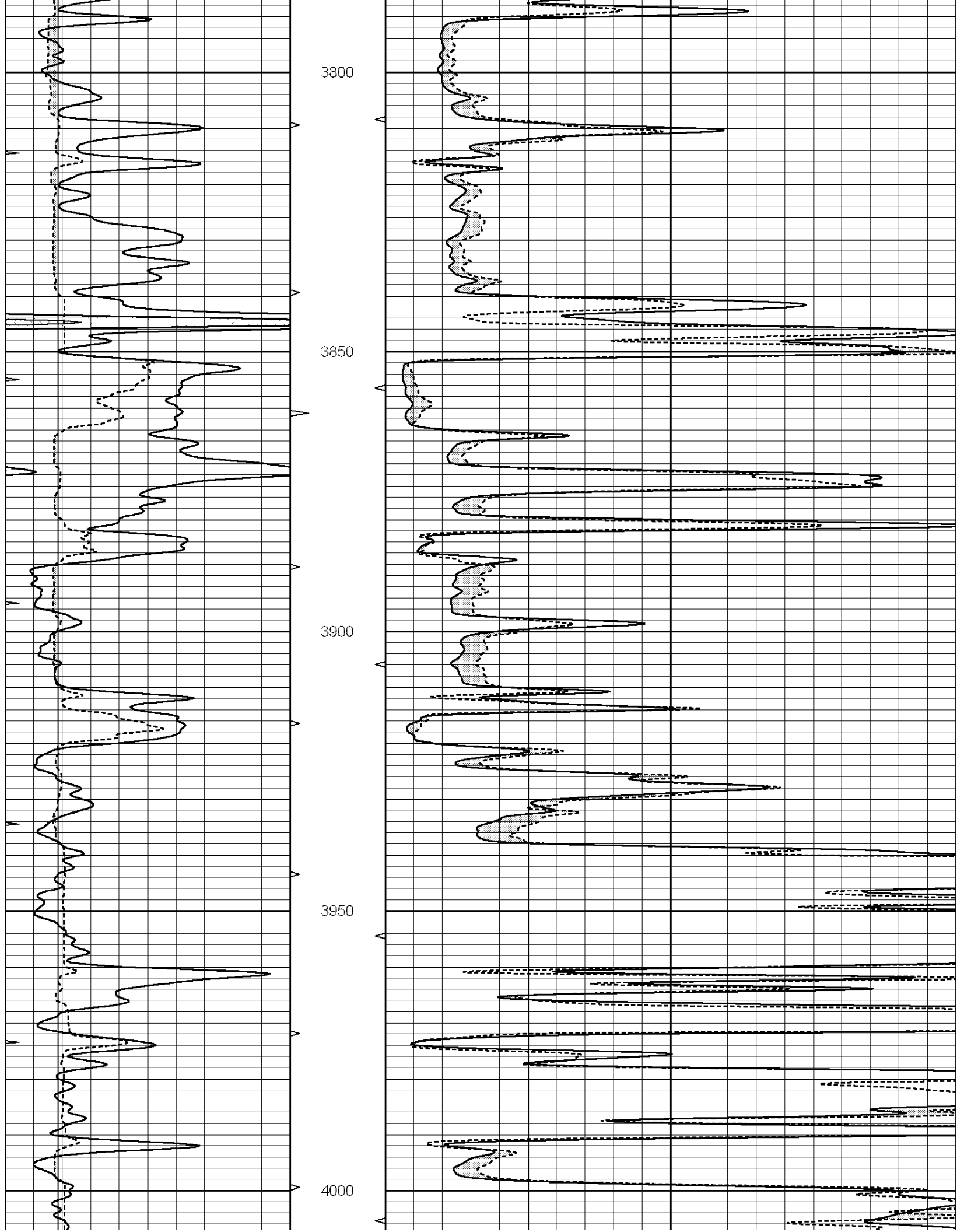
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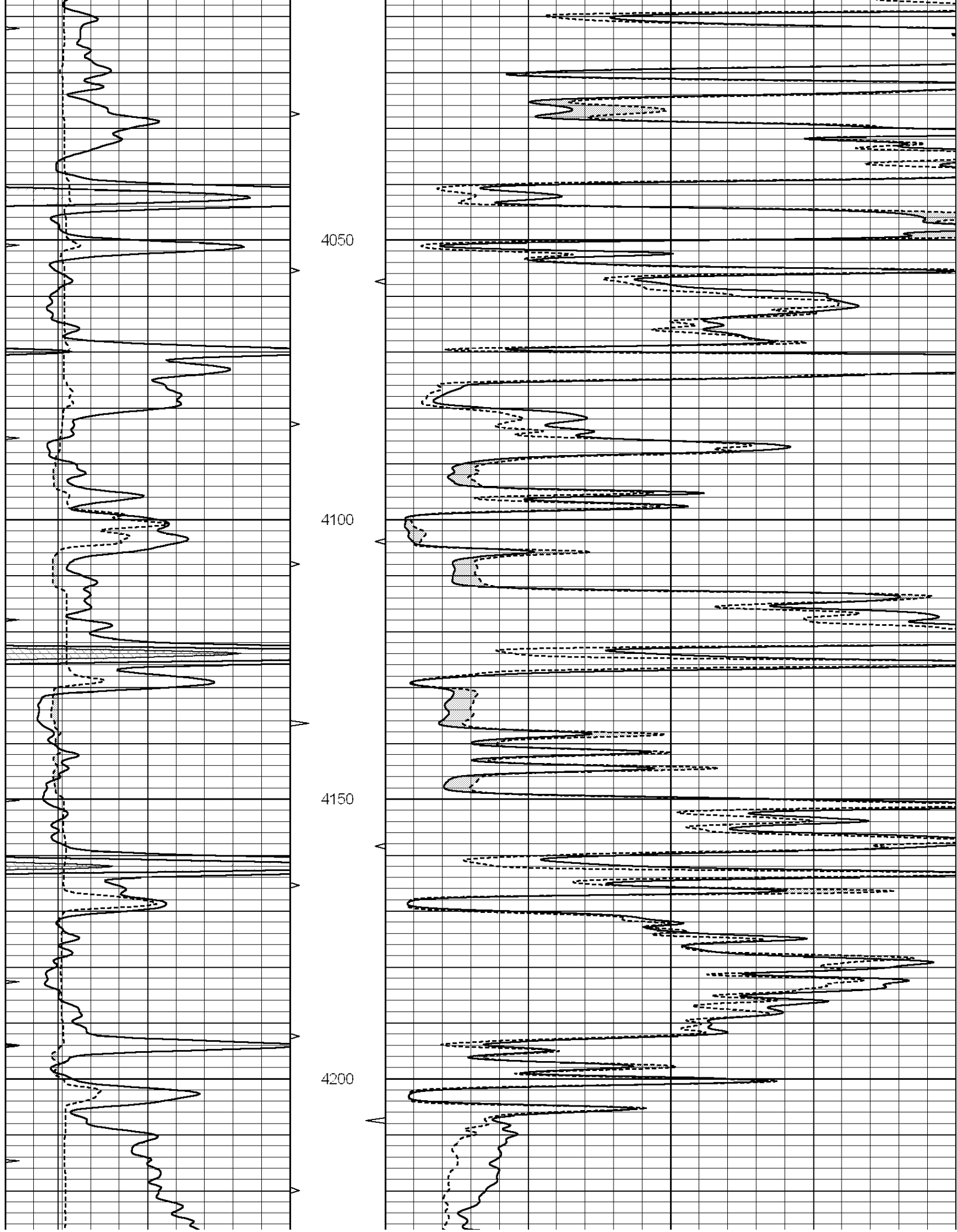
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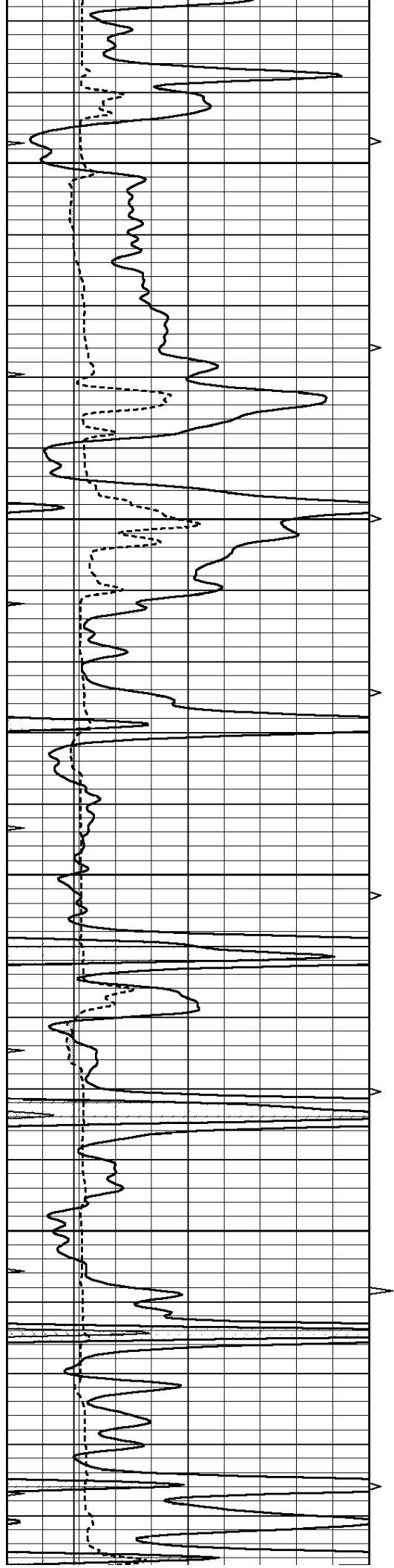
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3750







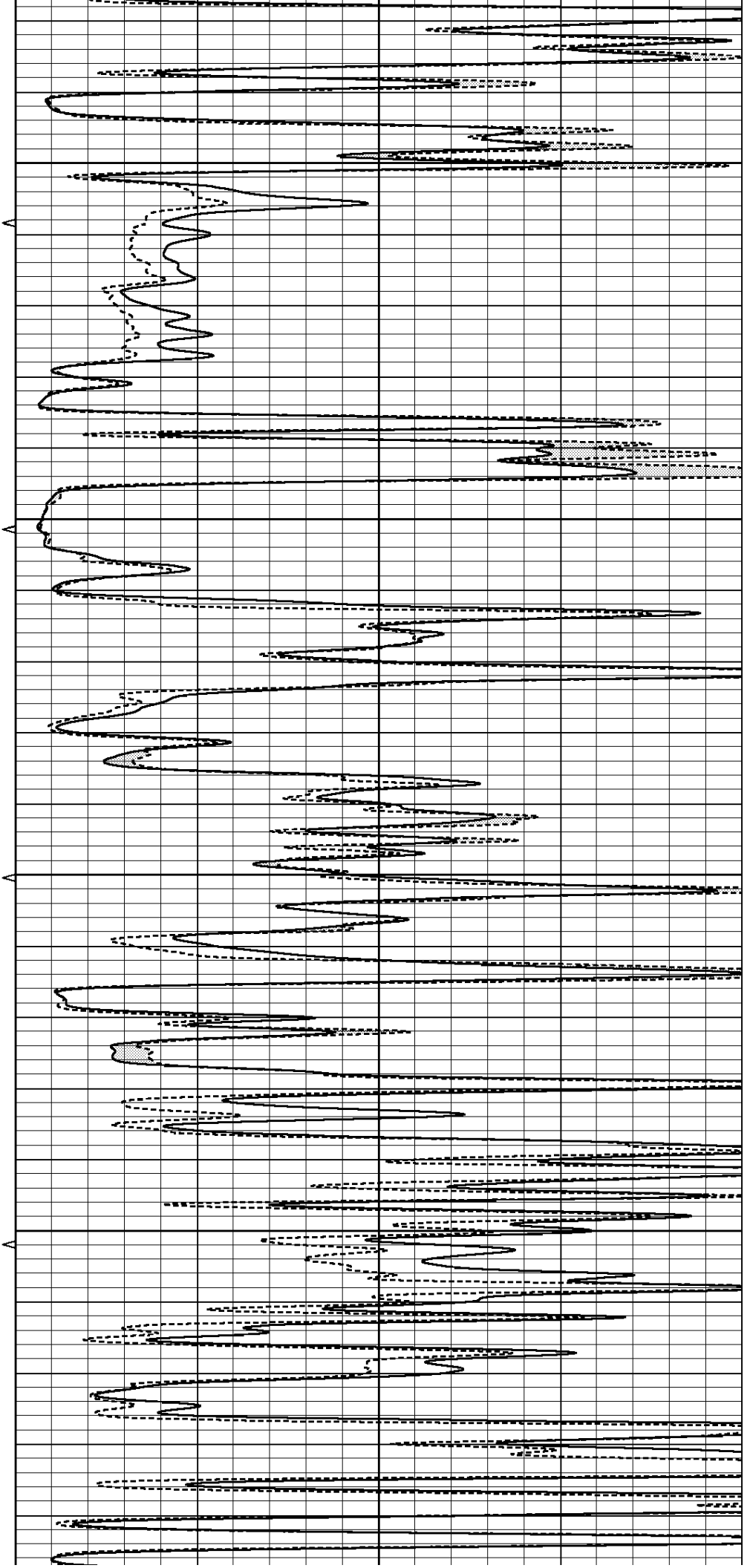


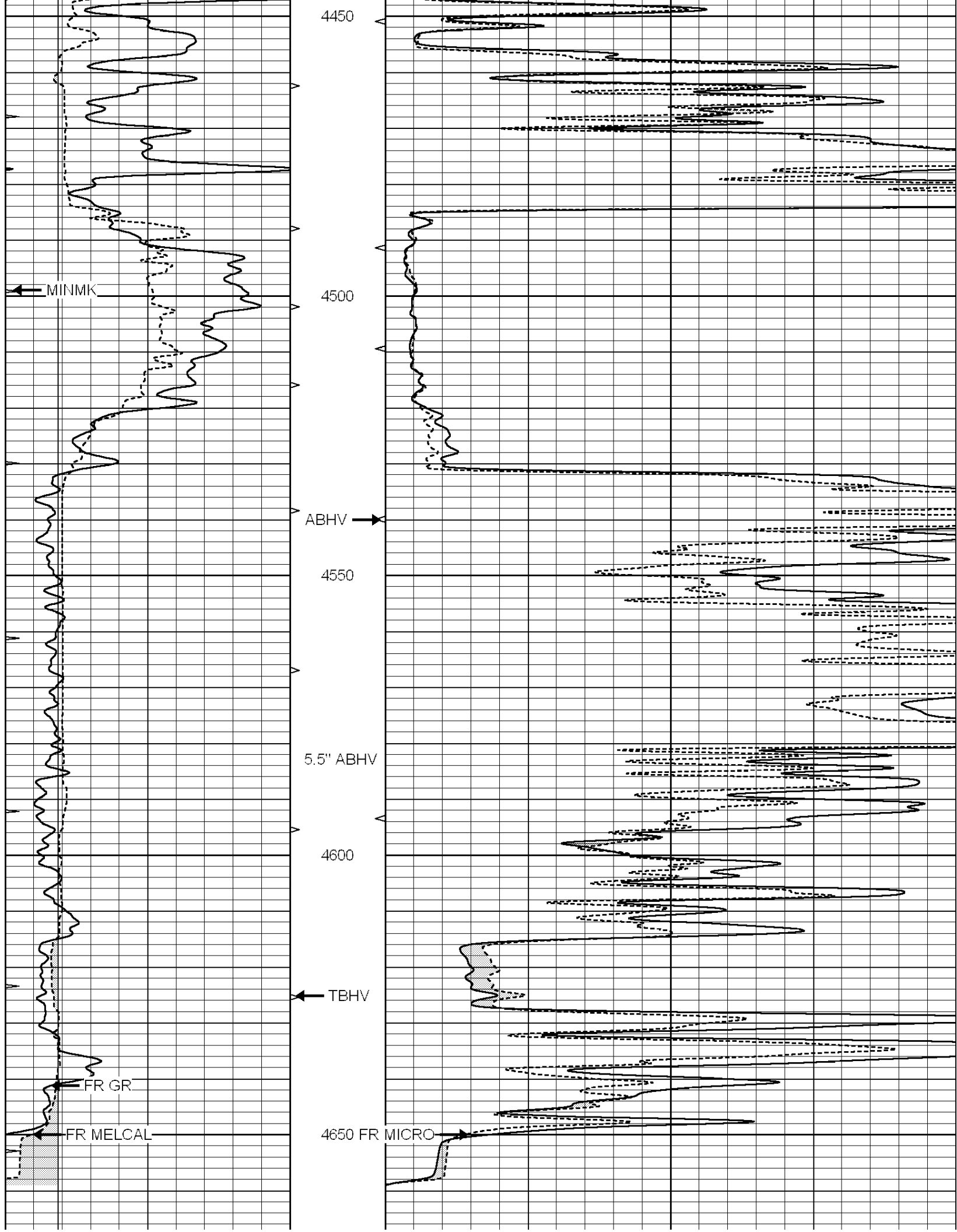
4250

4300

4350

4400





--- TD ---

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40



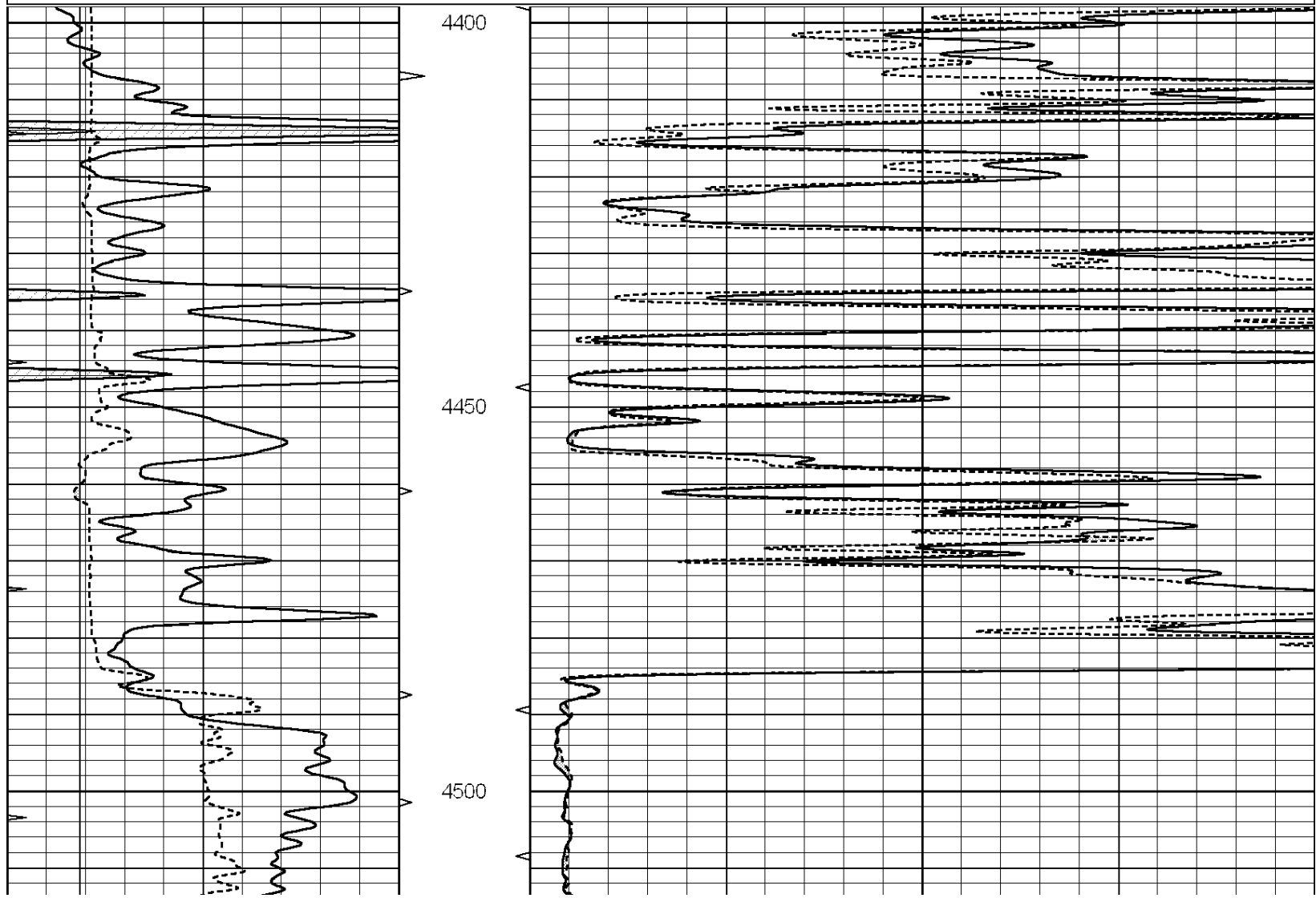
SUPERIOR
Hays,
Kansas

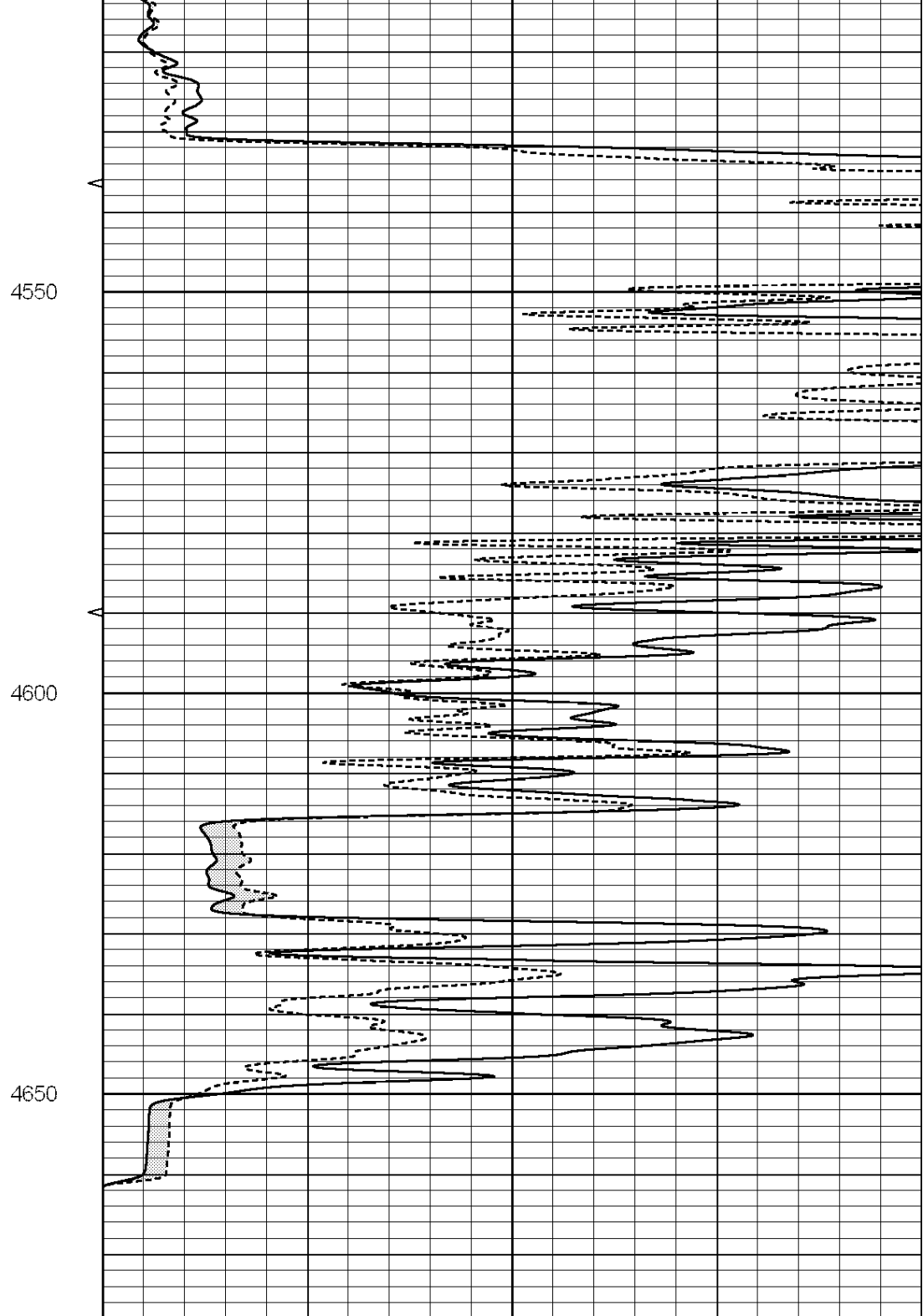
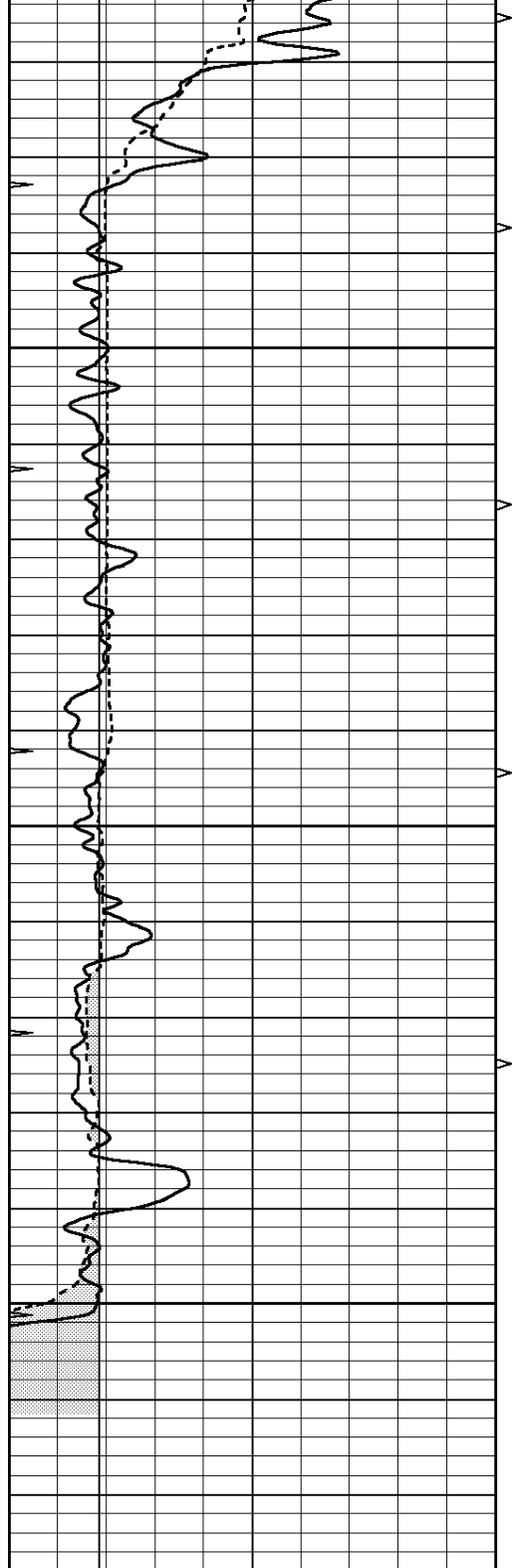
REPEAT SECTION

Database File: 006671ddn.db
 Dataset Pathname: pass4.1A
 Presentation Format: micro
 Dataset Creation: Mon Apr 04 07:45:15 2011 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40





0	GAMMA RAY (GAPI)	150
6	CALIPER (in)	16
6	MELCAL (in)	16
0	MINMK	20

0	MEL1.5 (Ohm-m)	40
0	MEL2.0 (Ohm-m)	40

Calibration Report

Database File: 006671ddn.db
 Dataset Pathname: pass5.1A
 Dataset Creation: Mon Apr 04 08:20:32 2011

MICRO Calibration Report

Serial Number: Micro1
Tool Model: ProbeL
Performed: Mon Apr 04 06:55:36 2011

Caliper Calibration:	Gain=3.399	Offset=-0.444
References	Low Cal 8.000	High Cal 14.000
Readings	2.484	4.249

1.5" Calibration:	Gain=38.000	Offset=-0.200
References	Low Cal 0.000	High Cal 20.000
Readings	0.003	0.844

2" Calibration:	Gain=32.000	Offset=-0.400
References	Low Cal 0.000	High Cal 20.000
Readings	0.028	0.817

Gamma Ray Calibration Report

Serial Number: GR5
Tool Model: OPEN
Performed: Mon Apr 04 04:32:40 2011

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6300	GAPI/cps

CONSOLIDATED
Oil Well Services, LLC

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

AmJS
KG

TICKET NUMBER 30734

LOCATION Oalley

FOREMAN Fuzzy

FIELD TICKET & TREATMENT REPORT
CEMENT

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-4-14	7158	Michaelis #1	3	14	32W	KOSAS

CUSTOMER	TRUCK #	DRIVER	TRUCK #	DRIVER
Raymond Oil Co. MAILING ADDRESS	399	Kelly G.		
	566	Josh G.		
	528	Tim		

CITY	STATE	ZIP CODE

JOB TYPE 2-stage HOLE SIZE 7 7/8 HOLE DEPTH 4670' CASING SIZE & WEIGHT 5 1/2 14#
 CASING DEPTH 4661' DRILL PIPE _____ TUBING _____ OTHER DU-1902²³
 SLURRY WEIGHT 14.2-12.8 SLURRY VOL _____ WATER gal/sk _____ CEMENT LEFT in CASING 20¹⁸
 DISPLACEMENT 113.25 DISPLACEMENT PSI 800-400 MIX PSI _____ RATE 4-5 #/pm

REMARKS: safety meeting cent 1-3-5-7-9 +67 - Bas Ret 67
DU Tool @ 66 - 1902²³ Mix 725 gals 60/40 29 gal 7 1/2 gal salt. Wash
pump lines. Drop plug + displace 66 BBL water + 46 BBL mud. List
Press 800# hand press 1600# float held Drop DU Bomb wait 10 min open
tool @ 1200# + circulate Mix 300 gals @ RH. Mix 420 gals 60/40 59 gal
1/4" closed lost + slow returns @ 2400 gals mixed high press 400#
land + close tool @ 1700# slight returns cement did not circulate
plug down float held.
 Thanks Fuzzy crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401P	1	PUMP CHARGE	2950 ⁰⁰	2950 ⁰⁰
5406	20	MILEAGE	5 ⁰⁰	100 ⁰⁰
1131	225	60/40 pos	14 ³⁵	3228 ⁷⁵
1131	450	60/40 pos	14 ³⁵	6457 ⁵⁰
1111	786 #	SALT	.42	330 ¹²
1118B	3483 #	Bentonite	.24	835 ⁹²
1107	113 #	Flu-seal	2.66	300 ⁵⁸
4159	1	5' 2-ATU Float shop	413 ⁰⁰	413 ⁰⁰
4130	6	5' 2 - Cent	58 ⁰⁰	348 ⁰⁰
4104	1	5' 2 Bas Ret	276 ⁰⁰	276 ⁰⁰
4283	1	5' 2 - DU Tool	3850 ⁰⁰	3850 ⁰⁰
5407A	29.03	Ton Mileage Delivery	158	1376 ¹⁰
		sub total		20465 ⁹
		less 20% disc		4093 ⁴
				16372 ⁷⁷
				240431
		SALES TAX ESTIMATED		1000.89
		TOTAL		17,373.66

RAVIN 3737
 AUTHORIZATION _____ TITLE _____ DATE _____

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

CONSOLIDATED

Oil Well Services, LLC

TICKET NUMBER 30741

LOCATION Oakley

FOREMAN Fuzz

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

**FIELD TICKET & TREATMENT REPORT
CEMENT**

DATE	CUSTOMER #	WELL NAME & NUMBER	SECTION	TOWNSHIP	RANGE	COUNTY
4-13-11	7158	Michaelis #1	3	14	32W	Logan (es)
CUSTOMER Raymond Oil Co.			OAKLEY			
MAILING ADDRESS			175 W 9			
CITY			ZIP CODE			
			TRUCK #	DRIVER	TRUCK #	DRIVER
			463	Kelly		
			558	Josk		
				Cory		

JOB TYPE 1 1/2 inch HOLE SIZE _____ HOLE DEPTH _____ CASING SIZE & WEIGHT _____
 CASING DEPTH _____ DRILL PIPE _____ TUBING _____ OTHER _____
 SLURRY WEIGHT 12.5 SLURRY VOL 1.98 WATER gal/sk 10.8 CEMENT LEFT in CASING _____
 DISPLACEMENT _____ DISPLACEMENT PSI _____ MIX PSI _____ RATE _____

REMARKS: Safety meeting @ Professional Pulling Service
hookup to 1 1/2 inch - circulate cement from 465' to
surface with 95 sacks 60/40 8900 114# cement

Thanks Fuzz crew

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5401	1	PUMP CHARGE	1025 ⁰⁰	1025 ⁰⁰
5406	20	MILEAGE	5 ⁰⁰	100 ⁰⁰
1131	95	60/40 pos	14 ³⁵	1363 ²⁵
1118B	654 [#]	Bentonite	024	156 ⁹⁶
1107	24 [#]	110-5001	266	6384
5407	4.08	Tow mileage delivery	158	410 ⁰⁰
		subtotal		3119.05 ⁵
		less 109 disc		311.91
		240583 subtotal		2807.14 ⁰
		7.8 SALES TAX		111.19
		ESTIMATED TOTAL		2918.33

Revin 3737

AUTHORIZATION _____ TITLE _____ DATE _____

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

Max R. Lovely

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

Raymond Oil Co.
 #1 Michaelis
 Wildcat
 1258' FNL, 836' FEL NE/4
 3 14 32W
 Logan KS
 LD Drilling
 3-21-11 4-4-11
 4670 4668
 3454 Chem

2868
 2863
 KB
 CASING
 8 5/8" @ 263'
 PRODUCTION 5 1/2"
 ELECTRICAL DRIVE
 Comp M/D, DI
 MICRO, SONIC

FORMATION LOGS AND STRUCTURAL POSITION

FORMATION	SAMPLE TOP	ELECTRIC LOG TOP	SUB-SEA DATA	STRUCTURAL POS. FT.
Anhydrite	2345	2342	526	
B/Anhydrite	2368	2364	504	498
Stotler	3490	3488	-620	-628
Heabner	3844	3843	-975	-983
Lansing	3891	3887	-1019	-1028
Stark	4126	4122	-1254	-1269
Marmaton	4231	4227	-1359	-1374
Ft. Scott	4389	4386	-1518	-1531
Cherokee	4416	4413	-1545	-1559
Johnson	4459	4456	-1588	-1602
B/Johnson	4486	4484	-1616	-1630
Mississippi	4532	4532	-1664	-1660

REFERABLE WELLS FOR STRUCTURE

Beren #1 Arlen W/2 SW NW 2-14-32W

POSITIVE DST'S AND STRUCTURAL POSITION CAUSED THE MICHAELIS #1 TO HAVE 5%+ PRODUCTION CASING TO BE RUN. FURTHER EVALUATION OF GEOPHYSICAL INFORMATION TO USE SELECTIVE PERFORATIONS WILL ENHANCE THE PRODUCTIVITY.

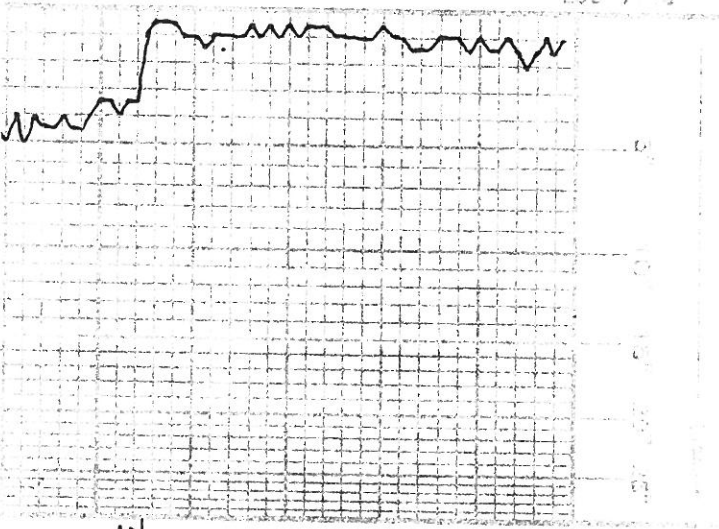
RESPECTFULLY SUBMITTED

W. S. Law

LEGEND

- Fracture
- Silt
- Sandstone
- Shale
- Gravel
- Impure
- Coal
- Carbonaceous
- Bedrock

DETAILED MAP OF MICHAELIS #1 WELL



DEPTH

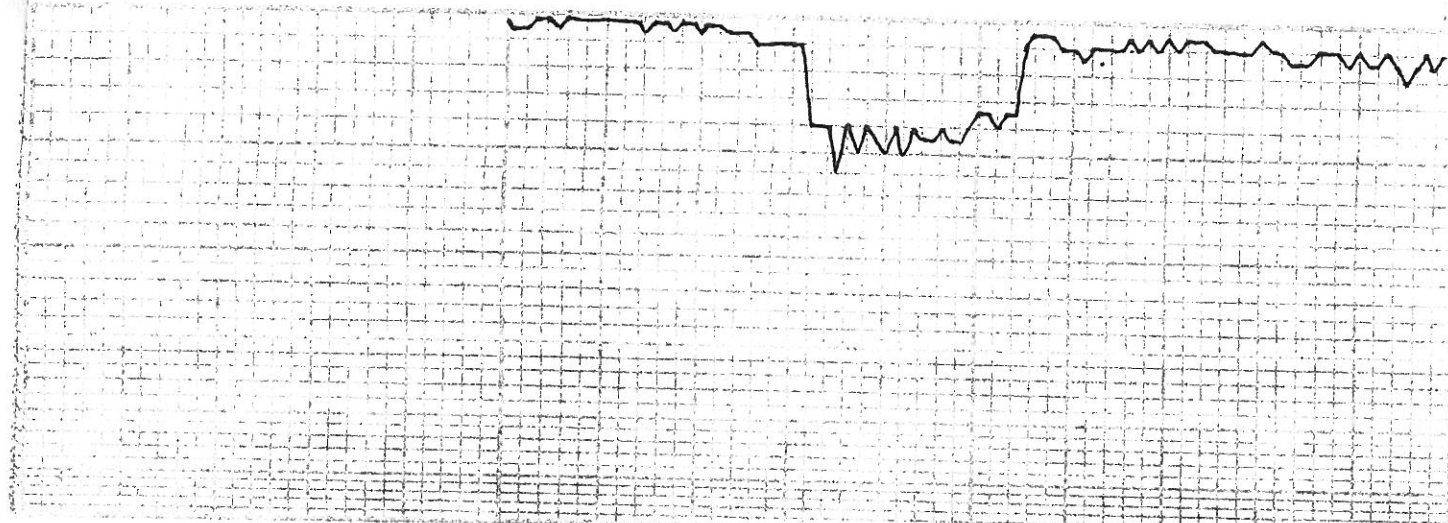
LOG

SAMPLE DESCRIPTIONS

DE SHOWS

REMARKS

ANHYDRITE
2345
2350
+523

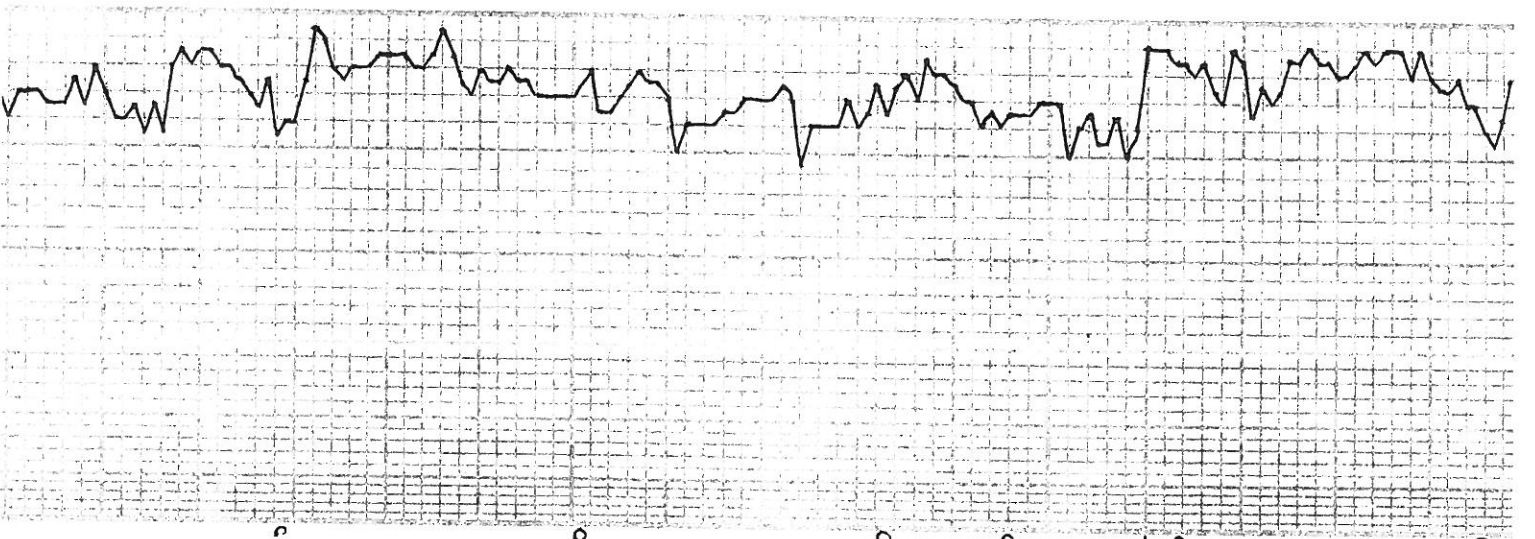


ANHYDRITE
2345
2350 +523

B/ANHYDRITE
2368 +500

2400

2450



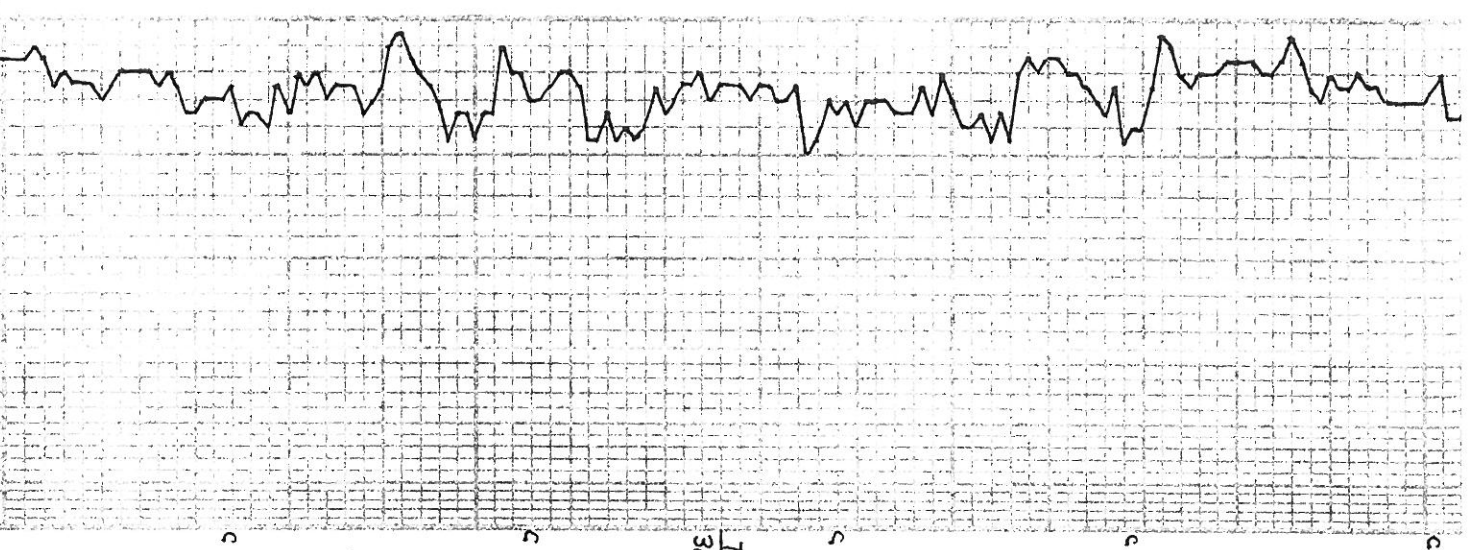
STOTER
3490-622

3500

3600

SH, GRY, RED
SH, RED
LS, TAN, BUFF, FXTLN, V FOSS, M HRD, VPXTLN Ø, NS
LS, BUFF, A.A.
LS, WHT, A.A., INCR CHLK
LS, BLK, V HRD, V DMS, TITEN, NS
SH, DK, GRY
LS, GRY, V FXTLN, V HRD, DMS, NO APP Ø, NS
CHLK, BLK MILK'S W/IN
LS, TAN, BUFF, FXTLN, SL, GRMCR, TXI, FOSS, SL VPXTLN Ø, NS
LS, GRM, BUFF, FXTLN, V HRD, V FOSS, PCS GRMCR, TXI, SCT, PXTLN Ø, NS
LS, GRY, CHLK, SOFT, SHLY, NS
SLT STN, DK → LT GRY
LS, GRM, BUFF, V FXTLN, V HRD, V FOSS, F FOST, VXTLN Ø, SH, GRY

GED ON LOC 4 ~ 11:30 AM
3-25-11



3600

TOPEKA
3624 - 756

3700

LS TAN, BUEE, EXTLN, SL GRNCR
TXT, FOSS, SL VP XTLN Ø, NS

LS CRM, BUFE, EXTLN, V HRD,
V FOSS, POS GRNCR, TXT, SGT
PSTLN Ø, NS

LS GRY, CHLKY, SOFT, SHLY, NS

SLT STM, DK GT GRY

LS CRM, BUFE, V F → MXTLN,
V HRD, V FOSS, F FOSS + XTLN Ø
SH, GRY

LS GRY, A.A.
SLT STM, GRY, MICA

LS CRM, WHIT, EXTLN, V FOSS,
SHAL GAL, ND Ø, NS

LS LT GRY, V EXTLN, V DNS,
V HRD, TTE, NS

LS WHT, LT CRM, V EXTLN,
V DNS + HRD, TTE, NS

LS GRY, BRN, EXTLN, LG FOSS,
V HRD, DNS, TTE, NS

SLT STM, GRY

LS CRM, BUFE, F → MXTLN, V FOSS
VAR, SIZE, FOSS, M HRD, SL
CHLKY, NS

VIS 48, wt 86
LCM 1 1/2

VIS 46
wt 86
LCM 1 1/2

3800

LS, TAN, F-M XTLN, V FOSS,
VARI SIZE FOSS, NS

LCM 2

LS, TAN, V OOL + FOSS, V HRD,
WCHI CMTPD OOLS, SLTR
SCTP OOL P, NS

HEERNER
3844 -976

SH, BLK

LS, BRN, DTY, V FOSS, TITE, NS

VIS 54
WT 8.8
LCM 2

DST #1 3911-3954

30.60.45.90

IF: 3 1/4" ISI: No RETURN

FF: 3" FSI: "

REC: 4" MCO 77X0

122' OCUM 12% O, 16% W

FP: 21-39, 41-61

CHLOR 18,000

SIP: 1174-1153

HP: 1847-1838

LANSING
3891 -1023

LS, WHT, FXTLN, (A CMTP), OOLS,
WCMTPD, TITE

DST #2 3961-3995
IF: 7 1/4" ISI: No RETURN
FF: 5" FSI: "

REC: 5' CO 32" API

272 MW 92% W, SEMO

CHLOR 36,000, 32" gnu

FP: 8-63, 66-130

SIP: 1092-1034

HP: 1880-1867

3900

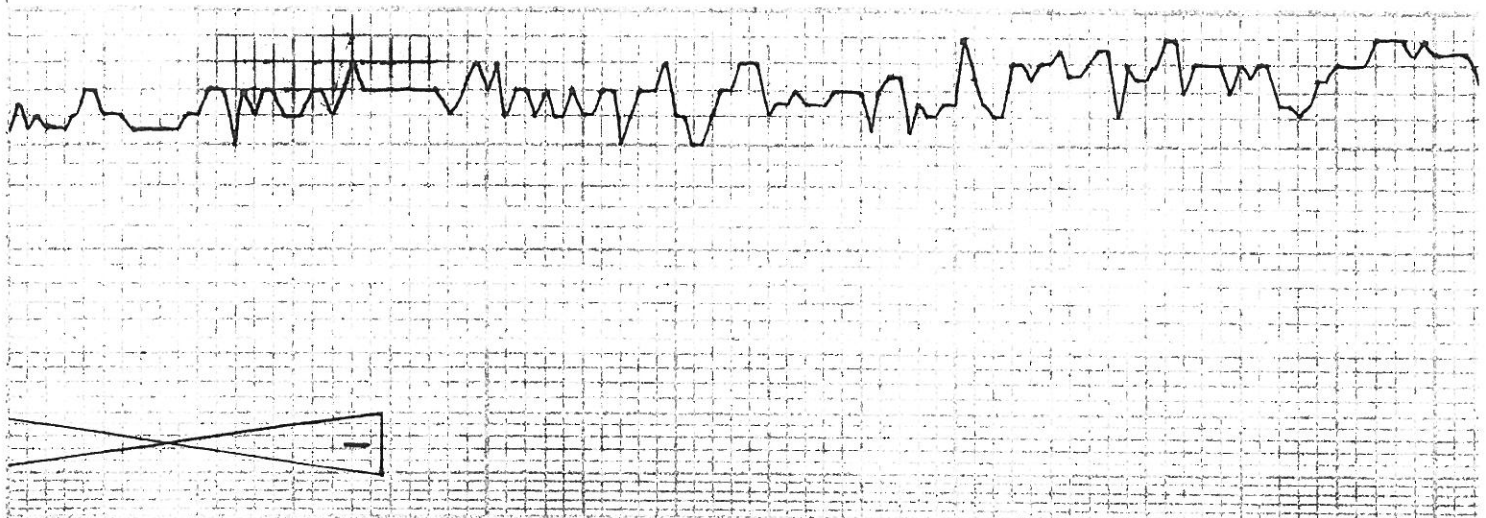
A.A.

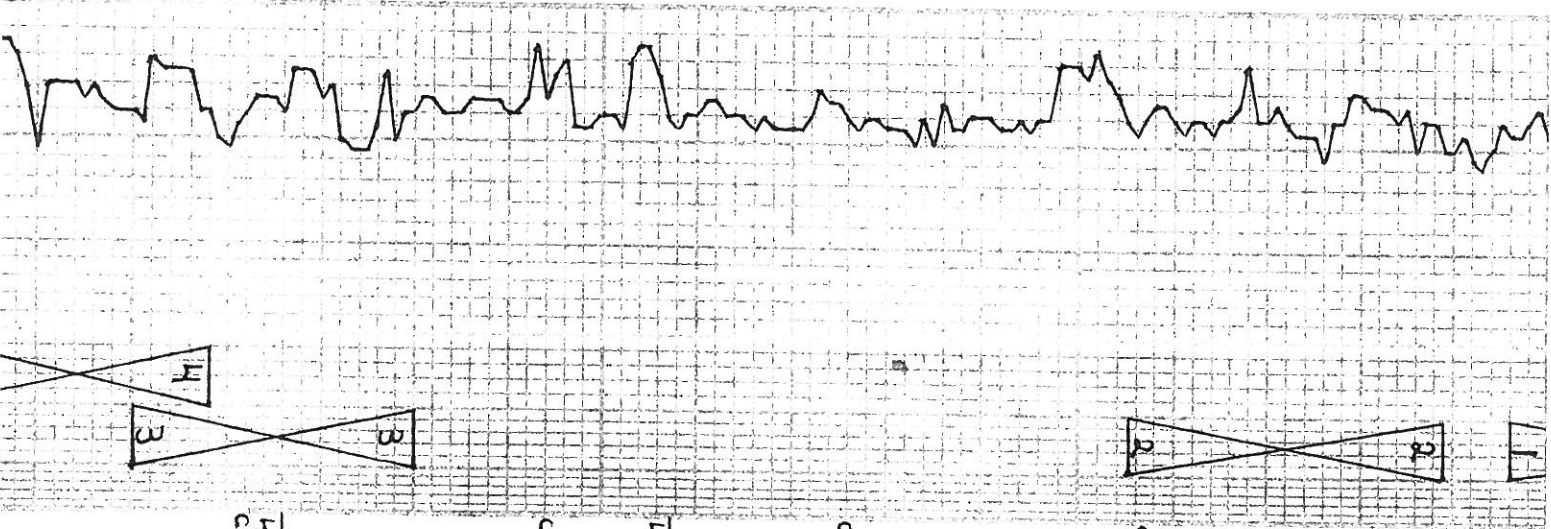
LS, BRN CMTP OOL, HRD, BRYL,
NO APP P, NS

LS, CRM, OOL, PCMTID OOLS,
GOOL P, O FILL P, DK BRN,
G EVEN DRY STING, Pcs PPT
5ML VUG O FILIP, \$ G A5, TR FD

WKORR
DKBRW

- 7:AM 3-26-11 DRLG @ 3933'





DEV 1/4

4000

MUNCIE
CREEK
4043 - 1175

4100

4084 - 1216

LS. CRN, TAN, V-FXTLN, S-HRD V.G. HVY FLUOR O STNG, V.G. V.G.P + INT XTLN, VLT → CLR O, G SAT STNG.	20" WCR CHLK W/G O SAT + FD, LT BRN + CLR FLUOR O OR BRN	LS. CRM, FXTLN, P.G.S V FOSS, M → V HRD, NO APP, W.S	LS. BUFF, F-M XTLN, V. CO. W. G.M.T.O OOLS, 6.000 W. W.S	LS. BUFF, FXTLN, FOSS, M HRD, SL DWS, NO APP, W.S	LS. A.A.	LS. LT GRV. A.A.	LS. WHT, FXTLN, FOSS, M → V HRD, SL DWS, NO APP, W.S	SH. BLK, FISSLE	LS. DK → LT TAN, V-FXTLN, V DWS + HRD FRACD, FLUOR O STNG FRACS, M.W. FLUOR O SPTS, LT O BOR, VLT BRN, TITE.	LS. WHT/CRM, BU FF, V-FXTLN, PWS HRD, TITE, W.S	LS. AA, LT FOSS SL HRD, P.CS CHLK V, V.P. WHT XTLN, W.S	CHT, WHT/CRM, SL FOSS	LS. RED, BRN, FXTLN, V HRD, V FOSS SCT OOLS, W.C.M.T.D, TITE, W.S	LS. WHT SL CHLK V, FXTLN, SCT FLUOR O SPTS, E.A.T.D BOR	20" HVY SAT FLUOR O STNG, STR O BOR, HVY FLUOR EUBW STNG, W.P.A.R.I.C.L.A.R. LT BRN FG OR BK, HVY O OR BK, SCT COAT Y GAS, F.V.T. XTLN, V SL SCT BRBD Y GAS, VLS BRN & TWG.	45" AA (20") CST F.O. W. CUP	TRASH SAMPLES, MOSTLY SLTSTM LS. TAN, V. CO. L. F.P. C.M.T.D, V.G. OOL M → LT GRV FLUOR O, G BLEND O P.CS ALGN, V.G. O, V.G. CLSS W.G.
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320 POR
HVY
FLUOR
O
6547
EUBW
SAT
FLUOR O

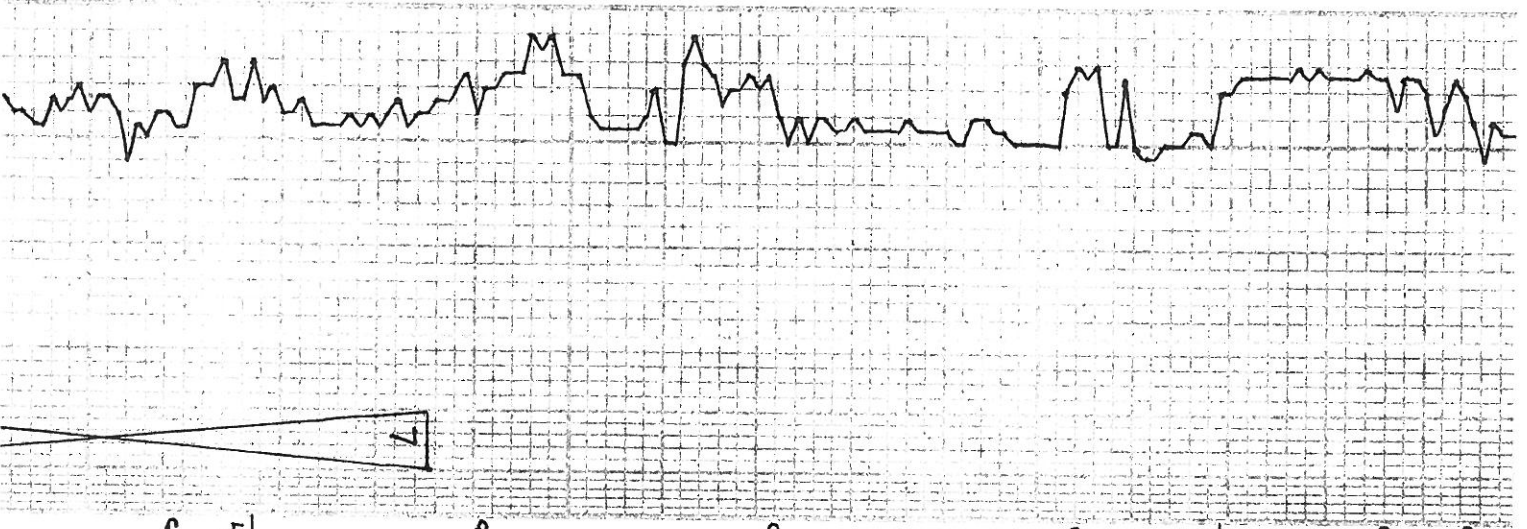
-CIRC 3954' 45"
MUD CHECK
V. 5.54, WT 8.9
CHLOR 2.200, LCM 2
STRAP 3961.95
BOARD 3961.94
+ .01

-CFS 3980' 45"
ACFS 3995' 45"
7.7M 327.11
MUD CHECK
V. 5.49, WT 9.0
CHLOR 2.520
LCM 2

DST #3 4070-4110
30.60' 45.90
LF: BOB 6" IS1: 32' EXH. STAG
FP: BOB 7 1/2' FS1: 10 1/2'
REC: 1565' G.I.P.,
215' CO
315' MCO 74XO 39"
FP: 10-91, 97-201
SIP: 1232-1227
HP: 1928-1918

-CFS 4045' 45"
-CFS 4056' 45"
FLUOR O SPTS
7.7M 3.28.11 DRG @ 4075

-CFS 4100' 45"
MUD CHECK
V. 5.47, WT 9.0
CHLOR 3.000
LCM 2



4196 - 1328

SH, GRN, GRAY, SL SLTY

-CFS 4215' 45"

4231 - 1363

LS, GRN, FXTLN, V F → FXTLN, HRB, DM5, SL FOSS, No APPD, CHKY

DST #4 4092-4119
 IF: B08 2" 30' 60" 45' 90"
 FS: B08 4" FS1: B08 15"
 REC: 2325' GIP
 339' 60" 1% G, 99% O
 544' GHOCM 2% G, 42% O
 202' GHOCM 4% G, 40% O
 126' GHOCM 11% G, 38% O
 1231' TOTAL FLUID 38' 6" gpm
 FP: 44-231, 241-451
 SIP: 1233-1234
 HP: 1935-1925

DST #5 4125-4143
 IF: B08 1" 15sec 30' 60" 45' 90"
 FS: B08 2" FS1: B08 16"
 REC: 504' CO, 1575' GIP
 1353' GMMW 2% G, 88% W
 126' GMMW 2% G, 74% W
 CHLOR 40000', 38.2° gmm
 FP: 108-489, 515-823
 SIP: 1160-1176
 HP: 1943-1925

4300

LS, GRN, VF XTLN, DM5, V HRB, SLATY, TTE, MS

DST #6 4162-4175
 IF: 14 30' 60" 45' 90"
 IS1: No RETURN
 FF: Dead FS1: "
 " "
 REC: 10' DM, 0 SPTS IN TOOL
 FP: 4-6, 6-10
 SIP: 1265-1261

4333 - 1465

LS, WHT SCT, PP, FILL, SCT SAT, STN, F-G, ODOOR, F, O, W, TRAY, P, S, F-G, ODOOR, F-G, CHIMP POOL, F-G, OOL SAT, FO GR BRK, DK BRN O, V SL BLEED, TR FO Bbbis, PP O

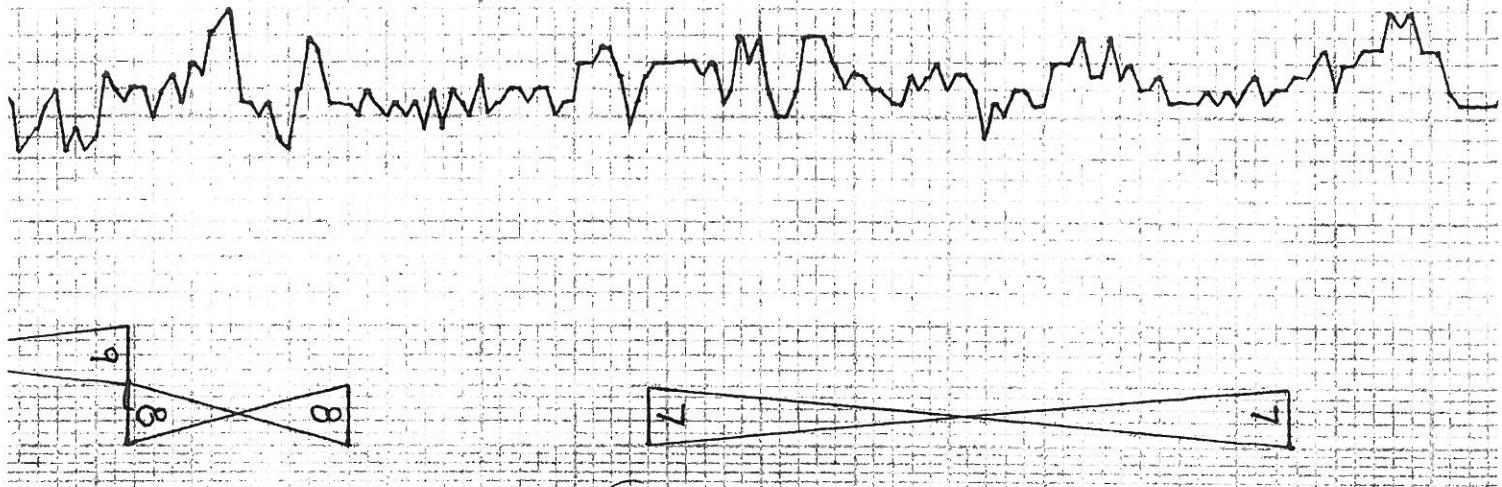
DST #7 4315-4382
 IF: B08 2" 30' 60" 45' 90"
 FS: No RETURN
 REC: 552' GIP
 141' GHOCM 2% G, 39% O
 Tool 52% O
 FP: 8-37, 41-70
 SIP: 11-68-1165
 HP: 2070-2062

PAWLAKE

SH, BLK, GRAY
 LS, DK BRN, VF XTLN, V DM5, SCT MAD DK O, DRY O COAT O, SL EDGE STMS, V DK O, NO PERM, BLEED
 LS, WHT, ALAK, SL Lc FOSS, F-G, BLEED, DK O, F-G, ODOOR, PP FLUOR, FO, HY FO, FO GR BRK, LT SCT FO IN CUP, G ODOOR
 LS, TAN, BRN, FXTLN, PAUS, HRB, TTE, MS, CHT, WHT

-CFS 4333' 45"
 -CFS 4346' 45"

V.548
 wt 91



4300

SH, GRAY, GRN

LS, WHT, SCT. P.P. FILL, SCT. SAT. STMS, F-G, ODOOR, FO IN TRAY. PCS F-G, CMTD POL, F-G, OBL SAT. FO BY BRK, DK BRN O, V SL BLEED. TR FO Bbbis, PP

0 FILL F-G, ODOOR SL BLEED

RF: 10' DM, 0 SPTS IN TOOL
 FP: 4-6, 6-10
 SIP: 1265-1261
 DST #7 4315-4382
 LF: 80826' 30-60-45-90
 FF: 80812 1/2 FS: 11
 REC: 552' G.I.P
 141' G.HOCM 21/6, 39/0
 Tool 52' 0
 FP: 8-37, 41-70
 SIP: 11-68-1165
 HP: 2070-2062

PAWNEE
 4333 - 1465

SH, BLK, GRY

LS DK BRN, V F XTLN V DMS, SCT W/GRD DK D DR O COAT, SL BLDG STMS, V DK O. ND PERM
 LS WHT, ALGAL, SL LG, FOSS, F-G BLEED DK O, F-G ODK, PP FLUOR FO, HWY FO FO BY BRK, LT SCT FO IN CUP
 LS TAN, BRN, FXTLN, DMS, HRD, ITEMS
 CHT, WHT

-CFS 4335-45"
 BLEED
 G ODOOR
 -CFS 4346-45"

V548
 WT 91

MYRIC
 STATION
 4372 - 1504

SH, BLK

LS, LT TAN F-XTLN, GRULATENT, V FOSS, PP XTLN, SL BLEED Y GAS, O FILL
 NAT SET W/ O FILL B, PS V G VY SL GSY
 DRY STMS, V DULL FLUOR, SCT GSY, STR ODOOR
 O WET ROCKS, V DK -> LT BRN O
 FO -> CUP & TRAY

-CFS 4360-30"
 CUP RAINBOW
 SL BLEED

FT SCOTT
 4389 - 1521

SH, DK GRY -> BLK, SLT SLTY, GSSY

LS TAN, WHT, BUFG, F-XTLN, PCS & RWLR TEXT, MOSTLY V HRD & TITE, PS W/CMTD OOL'S, N'S
 LS. A.A.

-CFS 4382-45"
 7:AM 4-1-11 60 IN W/DST #7
 MUDCHECK
 VIS 58, WT 92
 CHLOR 3800 LCM1

4400

CHT, LT TAN, ORAO

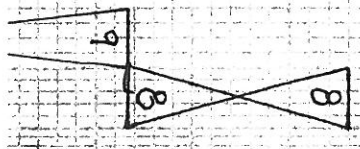
SH, BLK, BRN SVD GRNS W/N, SL CARB, HARD

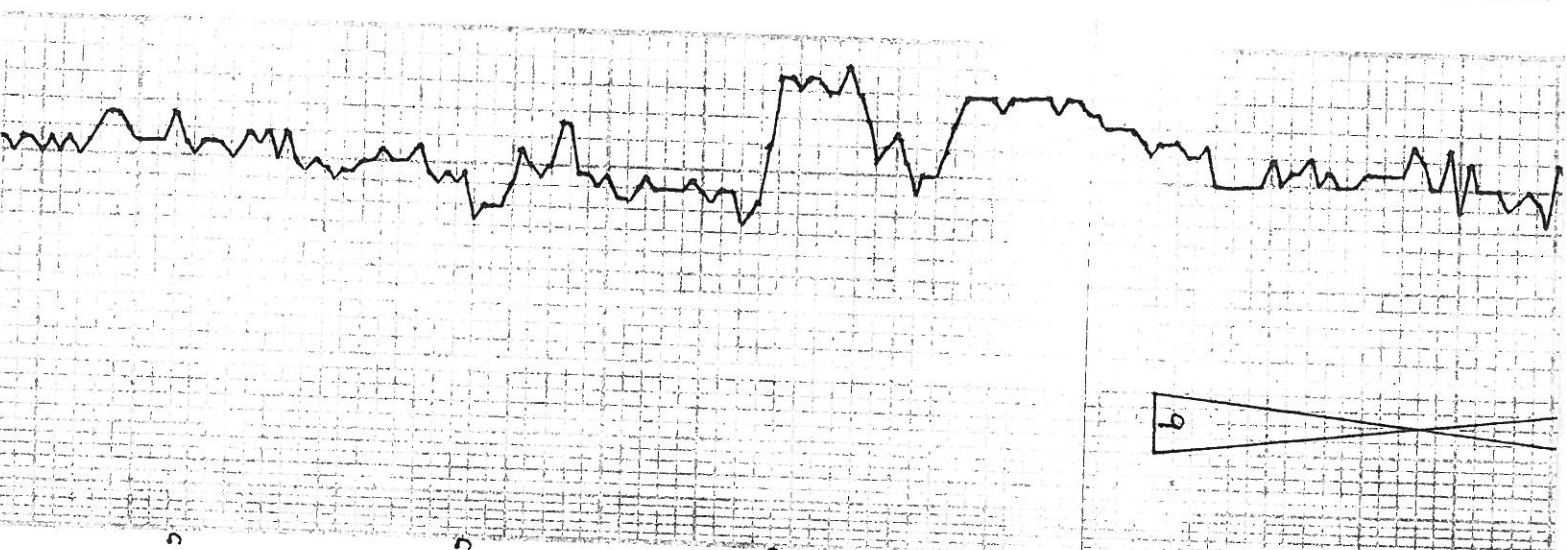
CHEROKEE
 4416 - 1548

LS, WHT - LT GRY, FXTLN, C OMS, VAB, SIZE GRN'S, W/CMTD, M HRD, ND P
 LS, DK BRN, F XTLN, LG FOSS W/IN
 FXTLN, SL O BLEED, DK BRN, V G
 SCT NA F FO PROPS, S PTY -> HWY M
 BRN STMS, G STR ODOOR
 LS, WHT V FXTLN, DMS, V HRD, ATY
 F DRY D COAT V GAS O STRY PP, TR GAS
 TR GAS
 WNT BLEED

-CFS 4417-45"
 Rainbow - CFS 4417-45"
 WIP
 ODOOR
 MAT FO
 STR ODOOR
 TR GAS
 WNT BLEED
 -CFS 4437-45"
 7:AM 4-2-11 DST #8 @ 4437
 MUDCHECK
 VIS 55, WT 91
 CLOR 4000 LCM1

DEV 10





JOHNSON
4459 - 1591

B/JOHNSON
4486 - 1618

4500

4600

SH, GRN, GRAY	LS, DR BRN, EXT LN, FOSS, XTLM, W/GRD, V. HRD, D. WBT, SFT, G SAT	CHLK, SET → HWY BRW O STW, SLFO	LS, TAN, V. EXT LN, V. DMS + HRD, TITE XTLM, D. COAT YUGS, SL DTY, DEGR ODR SL FRACID, DD O W FRACS @ BTM	LS, TAN, BRN, F-M XTLM, FOSS, NO APP, NS	SS, CLR + WHT GRNS, WHT CMT, WSOFT, S-MGRNS, P-W CMTID, GRNLR @ NS	SH, VARI COLOR	SH, GRY	SH, GRN, GRN	CHT, BRN, OPAQ	SS, WHT, GRN, SOFT, P-F CMTID, FR WBLG, IN PHRT, G GRNLR @ NS	SS, UNCON SOL, VARI SIZE + SHAPES	SS, WHT GRAY, SOFT, P-F CMTID, FR WBLG, G GRNLR @ NS	LS, WHT GRM, F-M XTLM, CHKY, M HRB, NO APP @ NS	LS, LT TAN, V. EXT LN, SL, FOSS, V. HRD V DMS, 1 PC DPLT @ STW @ FOSS, NO ODR, NO V. AUG, 1 YR	CHT, ORANGE	CHT, DR GRY	CHLK, SUDY, NS	LS, CRM, F-M XTLM, GRNLR TX, S-M HRD, EXT LN @ NS	LS, TAN, V. EXT LN, DMS, V HRD TITE, NS	CHT, TAN, CLR OPAQ	LS, CRM, EXT LN, SL OOLP FOSS, HRD, TITE, NS	LS, CHINA WHT, DMS, V. EXT LN, M HRD, TITE, NS	LS, TAN, F-M XTLM, DMS, HRD, SL OOL, W CMTID OOLS + FOSS, NS
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DST #8 4414-4437
30.60-45.90
IF: Y2 151: NO RETURN
FF: DEAD FSI: "
RECS: 05M 5% O
Tool Oil Suck on Top
FP: 5-6, 7-9
SIP: 113-70
HP: 2123-2110

-CFS 4493: 45"
7:1 AM 4:3:11 DRUG
MUD CHECK
V.S. 61, W.F. 4.2
CHLOR 5.500, LCM 1

-CFS 4532-45"
-CFS 4534-45"

-CFS 4557: 45"
DST #9 4437-4492
IF: BOB 12" 151: X2
FF: BOB 10 1/2 FSI: 4"
Roc 1024' G, IP
30' CO
53' MCO 73% O
63' G/MCO 14% G, 51% D
63' MCO 77% O 299ARI
FP: 9-42, 50-86
SIP: 1264-1248
HP: 2130-2122

V.S. 55
WT 9.0
LCM 1

SH FLOOD

Conservation Division
Finney State Office Building
130 S. Market, Rm. 2078
Wichita, KS 67202-3802



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

Mark Sievers, Chairman
Ward Loyd, Commissioner
Thomas E. Wright, Commissioner

Sam Brownback, Governor

July 07, 2011

Ted McHenry
Raymond Oil Company, Inc.
PO BOX 48788
WICHITA, KS 67202-1822

Re: ACO1
API 15-109-20996-00-00
Michaelis 1
NE/4 Sec.03-14S-32W
Logan 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,
Ted McHenry