



KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

1050693

Form ACO-1

June 2009

Form Must Be Typed
Form must be Signed
All blanks must be Filled

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 Date Reached TD Completion Date or
Recompletion Date 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: _____



1050693

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 ☐ Yes ☐ No
 (Attach Additional Sheets)

 Samples Sent to Geological Survey ☐ Yes ☐ No

 Cores Taken ☐ Yes ☐ No

 Electric Log Run ☐ Yes ☐ No

 Electric Log Submitted Electronically ☐ Yes ☐ No
 (If no, Submit Copy)

List All E. Logs Run:

☐ Log Formation (Top), Depth and Datum ☐ Sample
 Name Top Datum
CASING RECORD ☐ New ☐ 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 (Amount and Kind of Material Used)	Depth

TUBING RECORD:	Size:	Set At:	Packer At:	Liner Run: <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or ENHR.	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____			
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease (If vented, Submit ACO-18.)	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled (Submit ACO-5) (Submit ACO-4) <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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CONSOLIDATED
Oil Well Services, LLC

REMIT TO
Consolidated Oil Well Services, LLC
Dept. 970
P.O. Box 4346
Houston, TX 77210-4346

MAIN OFFICE
P.O. Box 884
Chanute, KS 66720
620/431-9210 • 1-800/467-8676
FAX 620/431-0012

INVOICE

Invoice # 234776

Invoice Date: 06/18/2010 Terms: 0/30,n/30

Page 1

PHILLIPS EXPLORATION CO LC
1601 SAGEBRUSH
WICHITA KS 67230
(316) 636-2256

SCHOOOF 1-7
28826
06-17-10

Part Number	Description	Qty	Unit Price	Total
1131	60/40 POZ MIX	95.00	11.0000	1045.00
1118A	S-5 GEL/ BENTONITE (50#)	325.00	.2000	65.00

Description	Hours	Unit Price	Total
445 P & A NEW WELL	1.00	900.00	900.00
445 EQUIPMENT MILEAGE (ONE WAY)	70.00	3.55	248.50
515 TON MILEAGE DELIVERY	285.60	1.20	342.72

20-8026586

Parts:	1110.00	Freight:	.00	Tax:	69.94	AR	2671.16
Labor:	.00	Misc:	.00	Total:	2671.16		
Sublt:	.00	Supplies:	.00	Change:	.00		

Signed _____

Date _____

BARTLESVILLE, OK
918/338-0808

ELDORADO, KS
316/322-7022

EUREKA, KS
620/583-7664

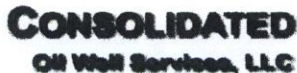
GILLETTE, WY
307/686-4914

McALESTER, OK
918/426-7667

OTTAWA, KS
785/242-4044

THAYER, KS
620/839-5269

WORLAND, WY
307/347-4577



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



ENTERED

TICKET NUMBER 28826

LOCATION *EUREKA*

FOREMAN KEVIN MCCOY

FIELD TICKET & TREATMENT REPORT

DATE	CUSTOMER #	WELL NAME & NUMBER		SECTION	TOWNSHIP	RANGE	COUNTY	
6-17-10	6290	School 1-7		7	15S	8E	Morris	
CUSTOMER Phillips Exploration Co., L.C.				Summit Drig. Co.				
MAILING ADDRESS 1601 Sagebrush					TRUCK #	DRIVER	TRUCK #	DRIVER
					445	Justin		
					515	Chris		
CITY	STATE	ZIP CODE						
Wichita	Ks	67230						

JOB TYPE <u>P. T. A.</u>	<u>0</u>	HOLE SIZE <u>7 7/8</u>	HOLE DEPTH <u>2750' KB</u>	CASING SIZE & WEIGHT _____
CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____	
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____	
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____	

REMARKS: *Safety Meeting: Rig up to 4" Drill pipe. Spot Cement Plugs As Following.*

35 SKS @ 2718'

35 SKS @ 250'

25 SKS @ 60' to SURFACE

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	900.00	900.00
5406	70	MILEAGE	3.55	248.50
1131	95 SKS	60/40 Pozmix Cement	11.00	1045.00
1118 A	325 **	GeL 4%	.20	65.00
5407 A	4.08 TONS	70 miles Bulk Truck	1.20	342.72
			Sub Total	2601.22
		THANK you	SALES TAX	69.94
		M 234116	ESTIMATED TOTAL	2671.16

Bayin 3737

AUTHORIZATION

TITLE Summit Drlg. Toolpusher

DATE **6-17-10**

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.



CONSOLIDATED
Oil Well Services, LLC

REMIT TO
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Houston, TX 77210-4346

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20-8026586

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Signed _____

Date _____

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918/338-0808

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WORLAND, WY
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ENTERED

TICKET NUMBER 28826

LOCATION *Eureka*

FOREMAN KEVIN MCCOY

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

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MAILING ADDRESS 1601 Sagebrush					TRUCK #	DRIVER	TRUCK #	DRIVER
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					515	Chris		
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Wichita	Ks	67230						

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CASING DEPTH _____	DRILL PIPE _____	TUBING _____	OTHER _____	
SLURRY WEIGHT _____	SLURRY VOL _____	WATER gal/sk _____	CEMENT LEFT in CASING _____	
DISPLACEMENT _____	DISPLACEMENT PSI _____	MIX PSI _____	RATE _____	

REMARKS: Safety Meeting: Rig up to 4" Drill pipe. Spot Cement Plugs As Following.

35 SKS @ 2718'

35 SKS @ 250'

25 SKS @ 60' to SURFACE

ACCOUNT CODE	QUANTITY or UNITS	DESCRIPTION of SERVICES or PRODUCT	UNIT PRICE	TOTAL
5405 N	1	PUMP CHARGE	900.00	900.00
5406	70	MILEAGE	3.55	248.50
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SUPERIOR
Hays,
Kansas

DUAL
INDUCTION
LOG

Company	PHILLIPS EXPLORATION CO., LC.	Company	PHILLIPS EXPLORATION COMPANY, LC
Well	SCHOOT #1-7	Well	SCHOOT #1-7
Field		Field	
County	MORRIS	County	MORRIS
State	KANSAS	State	KANSAS
Location:	API # : 15-127-20585-0000 2310 FSL & 2970' FEL NE - NE - SW	Other Services CDL/CNL MEL	
Permanent Datum	GROUND LEVEL	Elevation	1383
Log Measured From	KELLY BUSHING 10' A.G.L.	Elevation	K.B. 1393 D.F. 1391 G.L. 1383
Drilling Measured From	KELLY BUSHING		
SEC 7	TWP 15S	RGE 8E	
Date	6-17-10		
Run Number	ONE		
Depth Driller	2750		
Depth Logger	2747		
Bottom Logged Interval	2745		
Top Log Interval	0		
Casing Driller	8 5/8" @ 229		
Casing Logger	227		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 250 PPM	
Density / Viscosity	9.3/42		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rin @ Meas. Temp	.36 @ 83F		
Rmf @ Meas. Temp	.27 @ 83F		
Rmc @ Meas. Temp	.43 @ 83F		
Source of Rmf / Rmc	MEASURED		
Rin @ BHT	.26 @ 114F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEMEG		
Witnessed By	BILL STOUT		

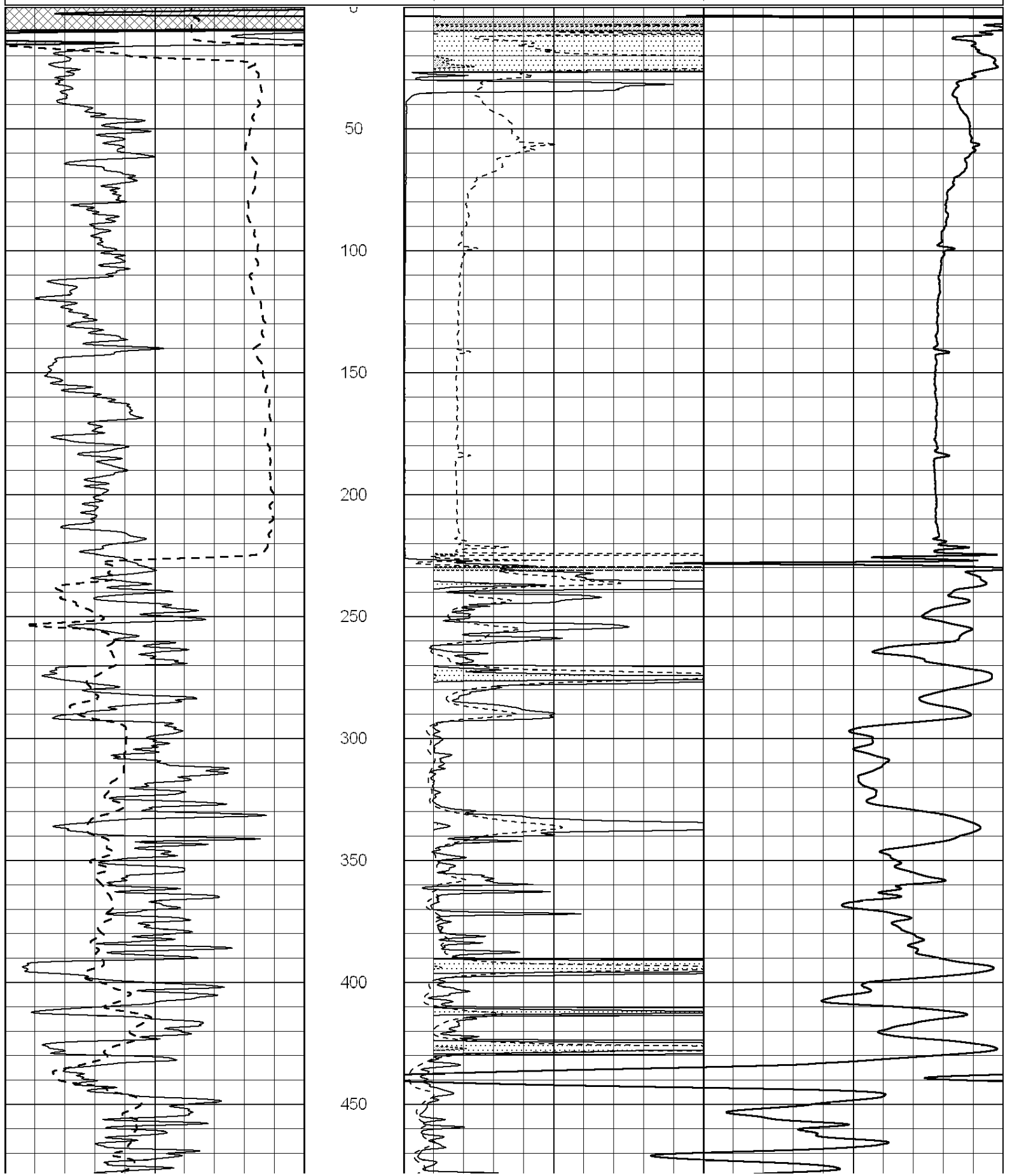
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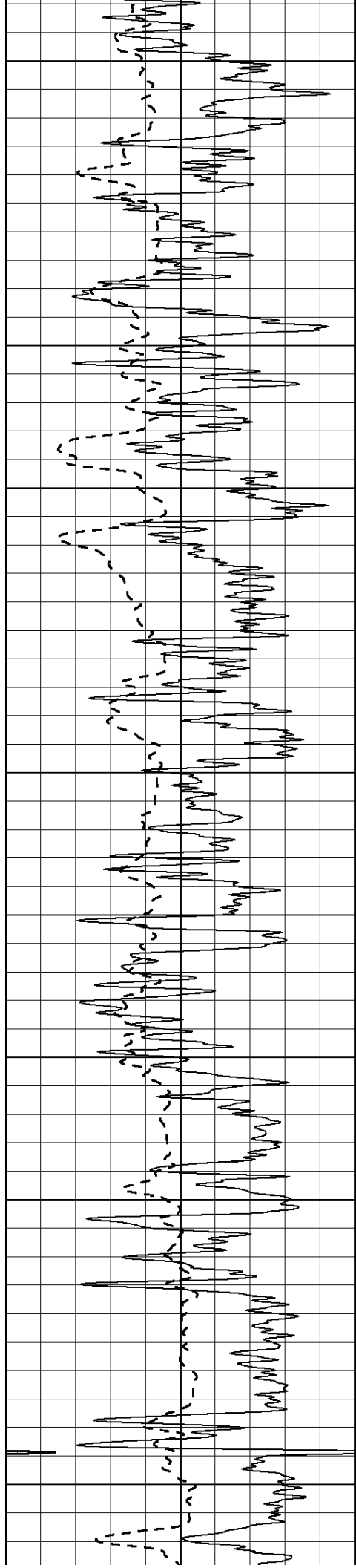
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
INTERSECTION OF I-70 & EXIT 313 - SOUTH TO MORRIS COUNTY LINE - SOUTH TO RD K
4 MILES WEST - 1/2 MILE NORTH - EAST INTO

Charted by: _____ Depth in feet scaled 1:600					
0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50
-100	SP (mV)	100	0	Deep Induction (Ohm-m)	50
-----			-----		
			1000	CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500





500

550

600

650

700

750

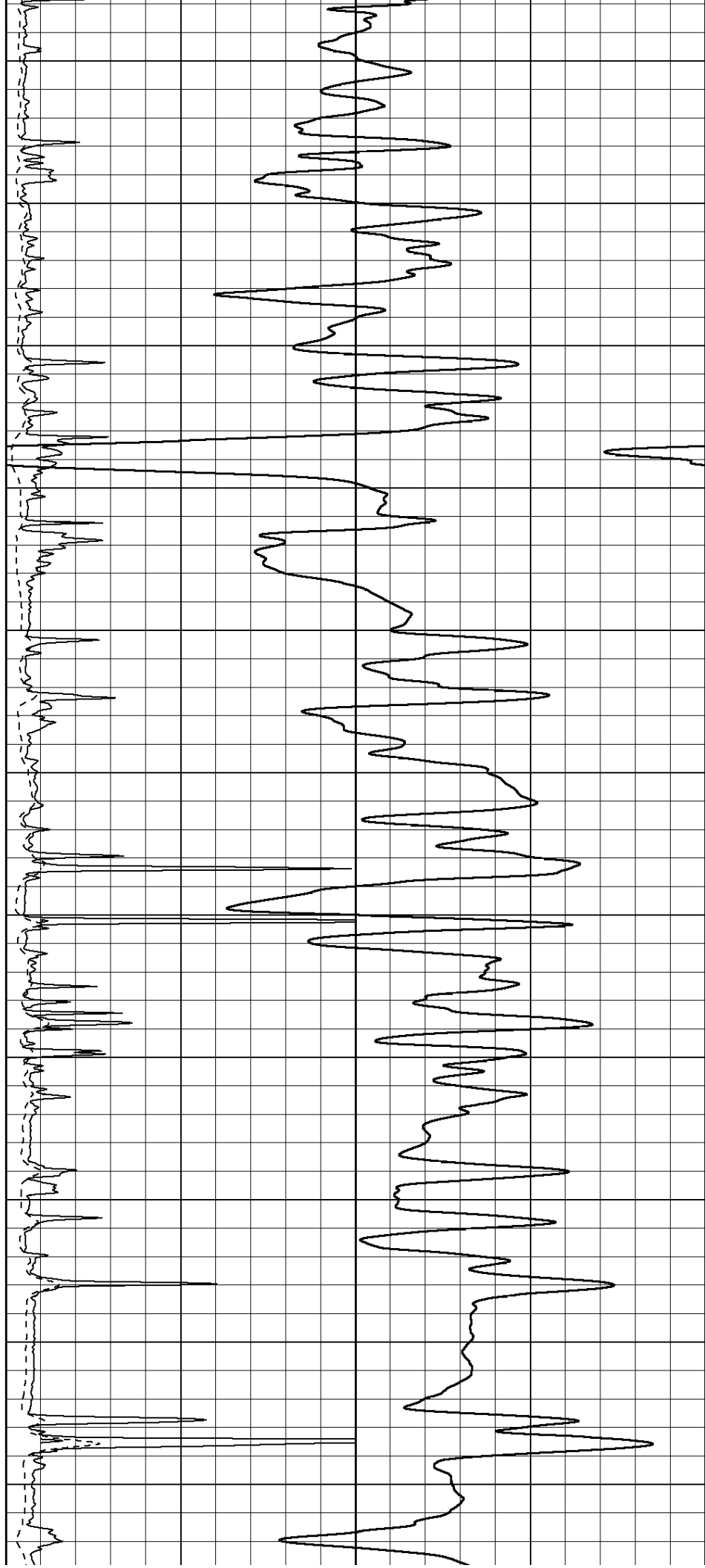
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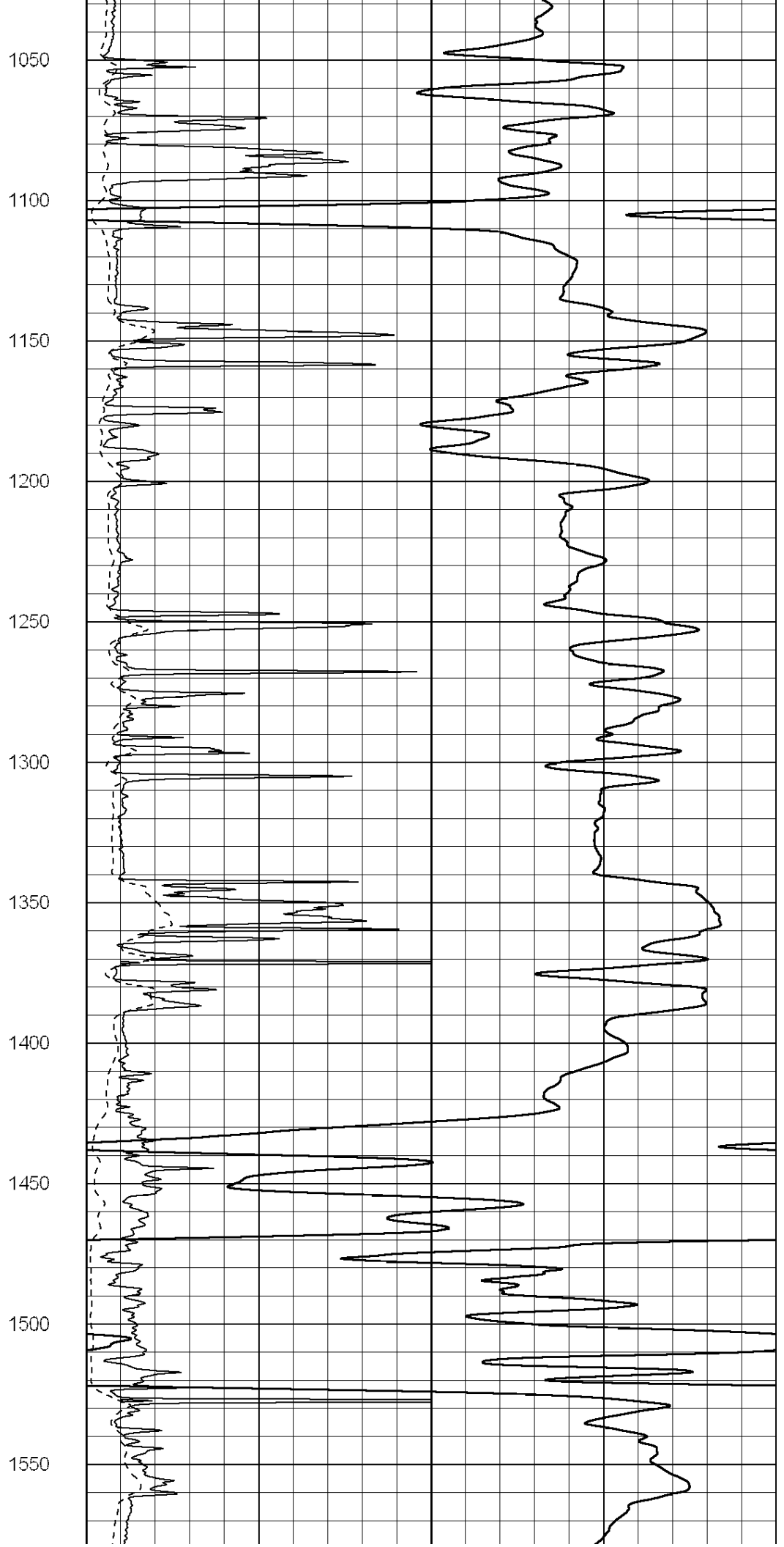
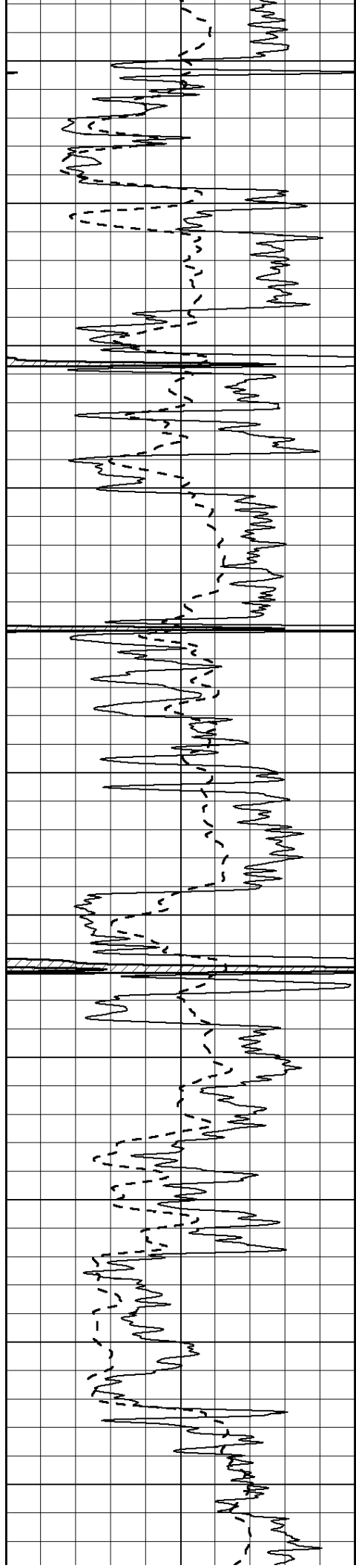
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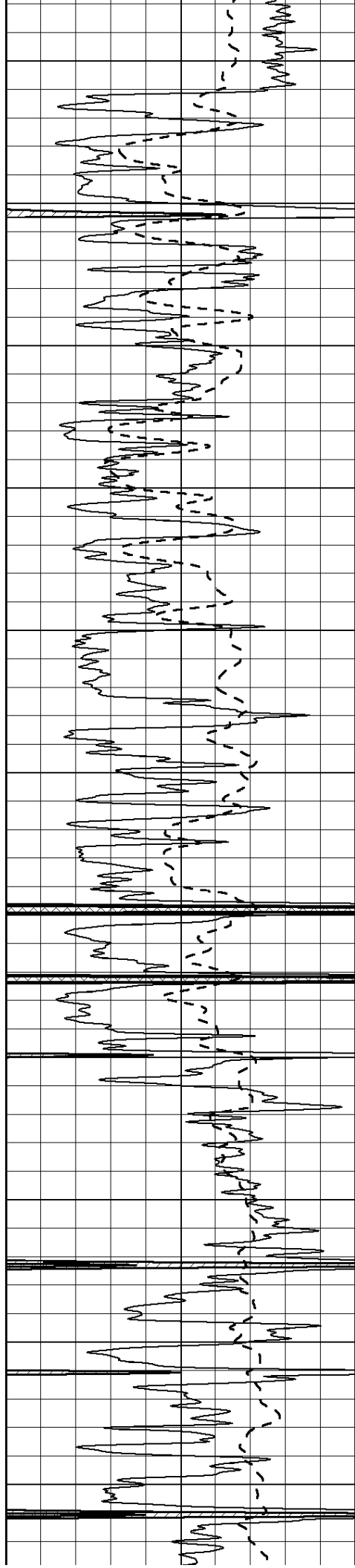
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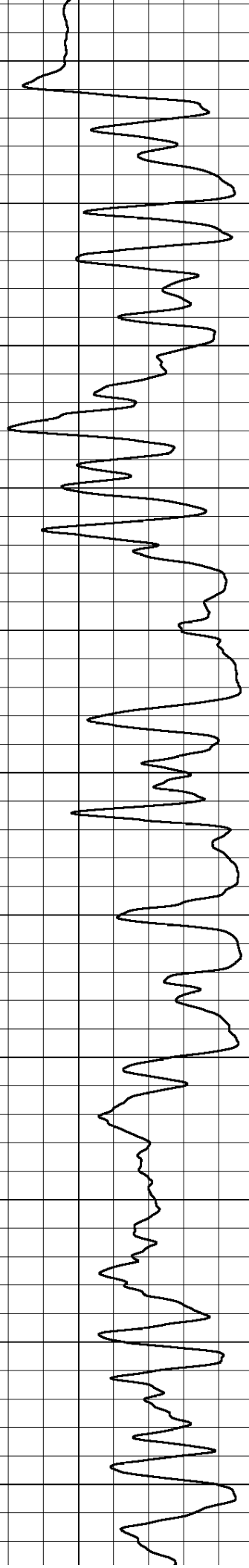
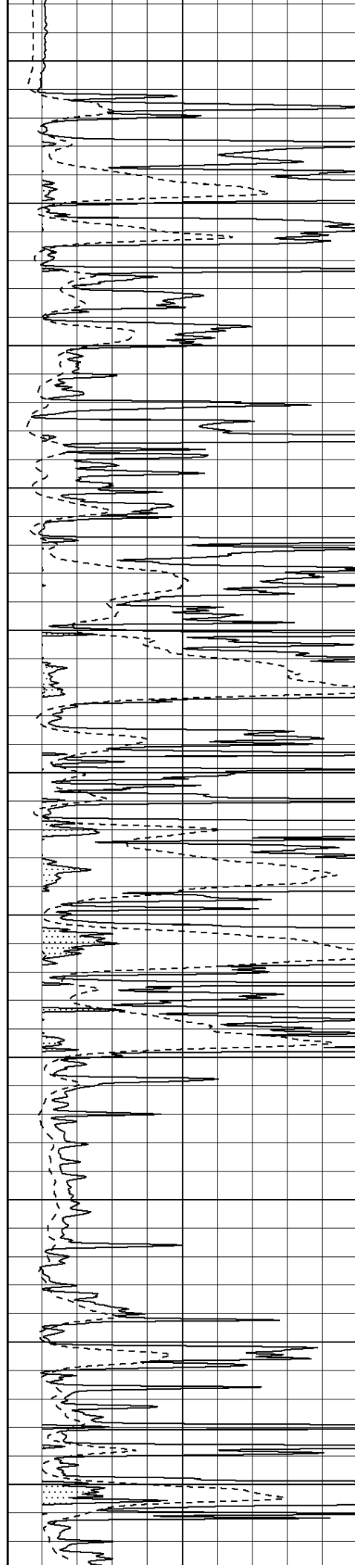
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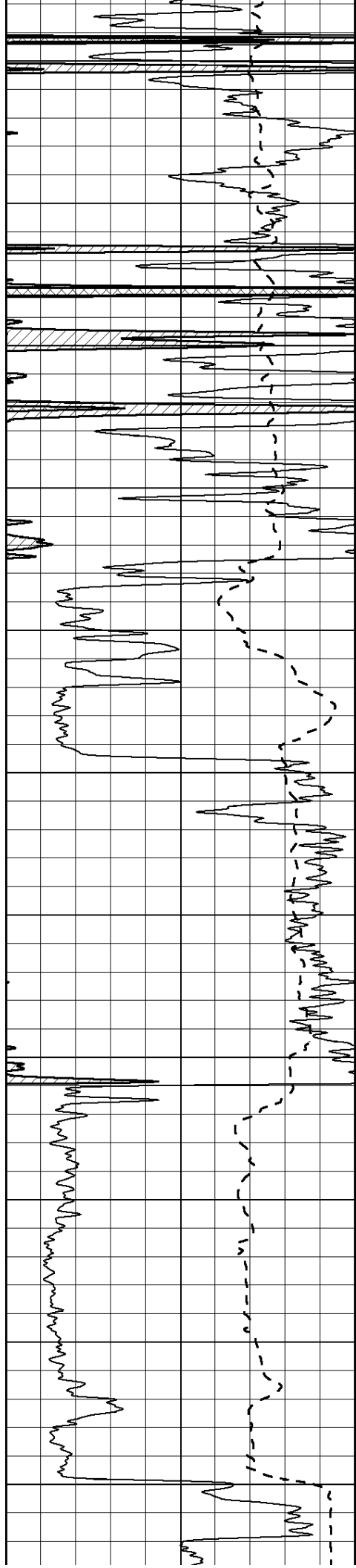
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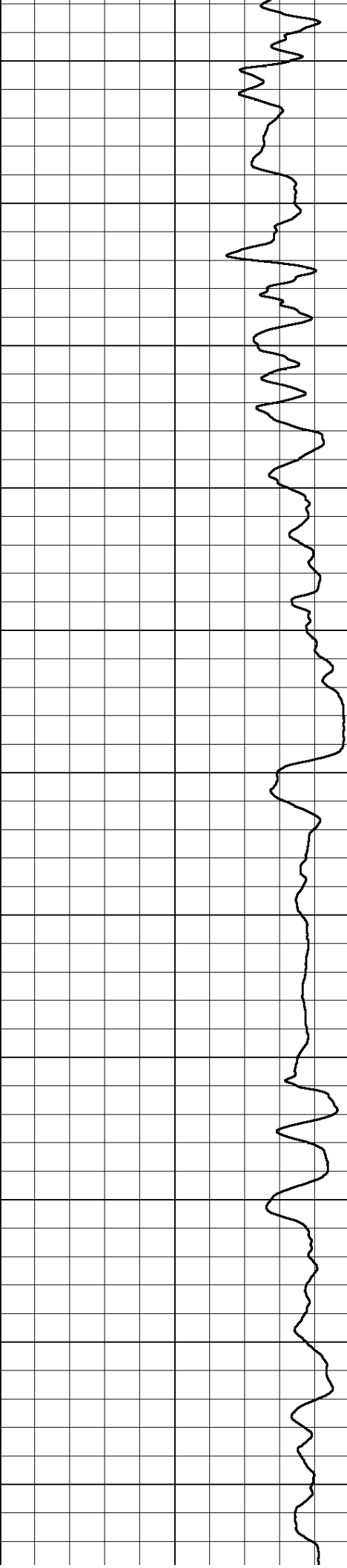
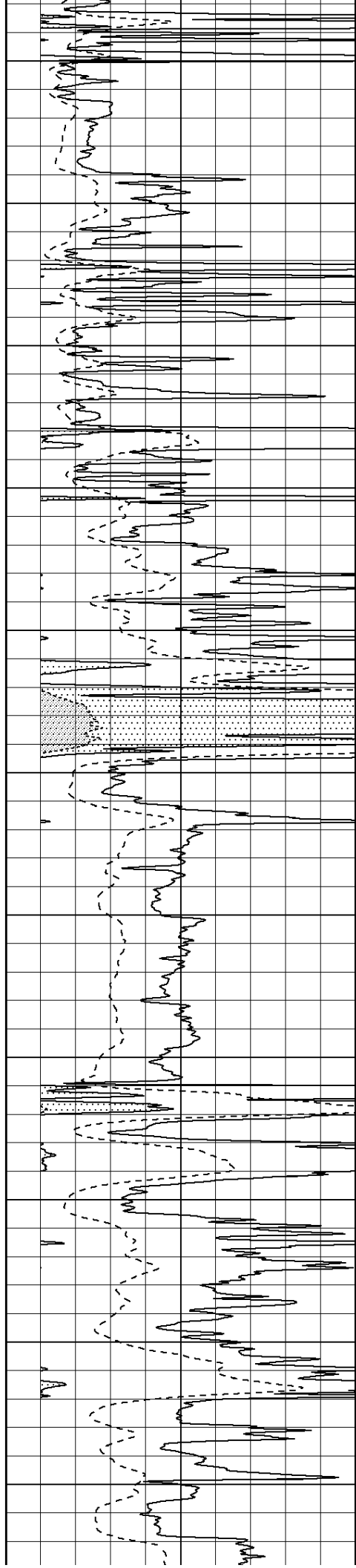
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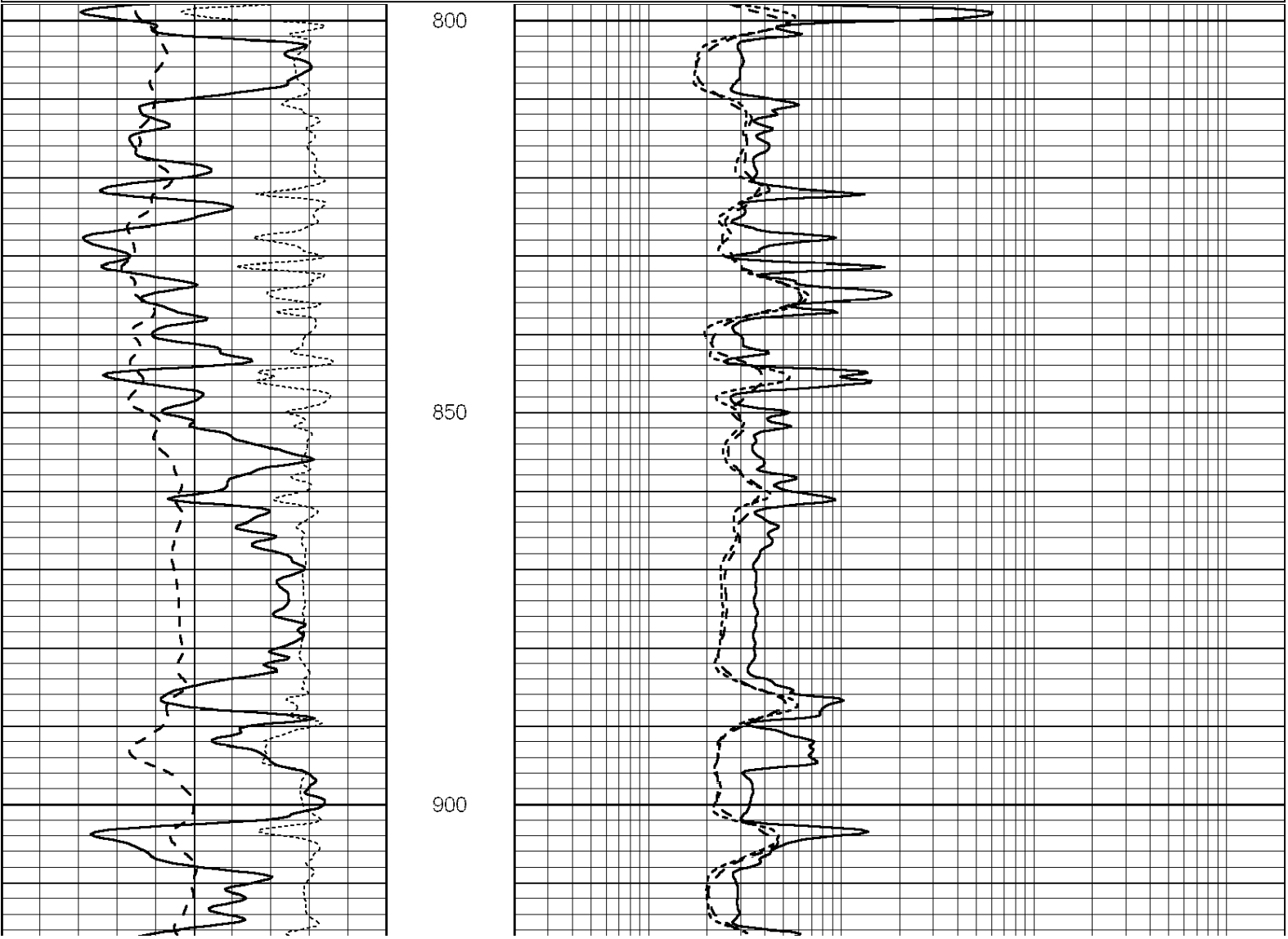
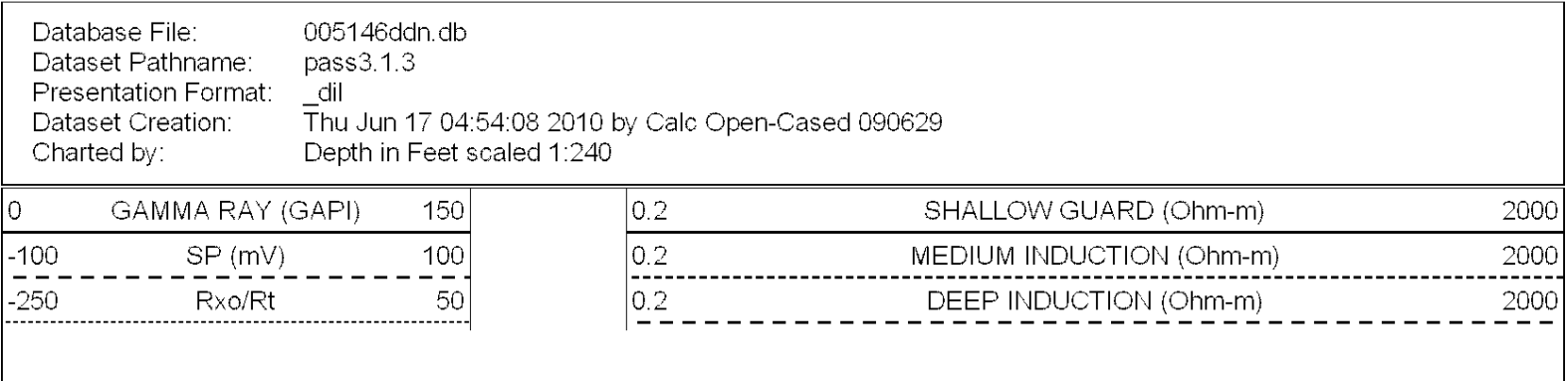
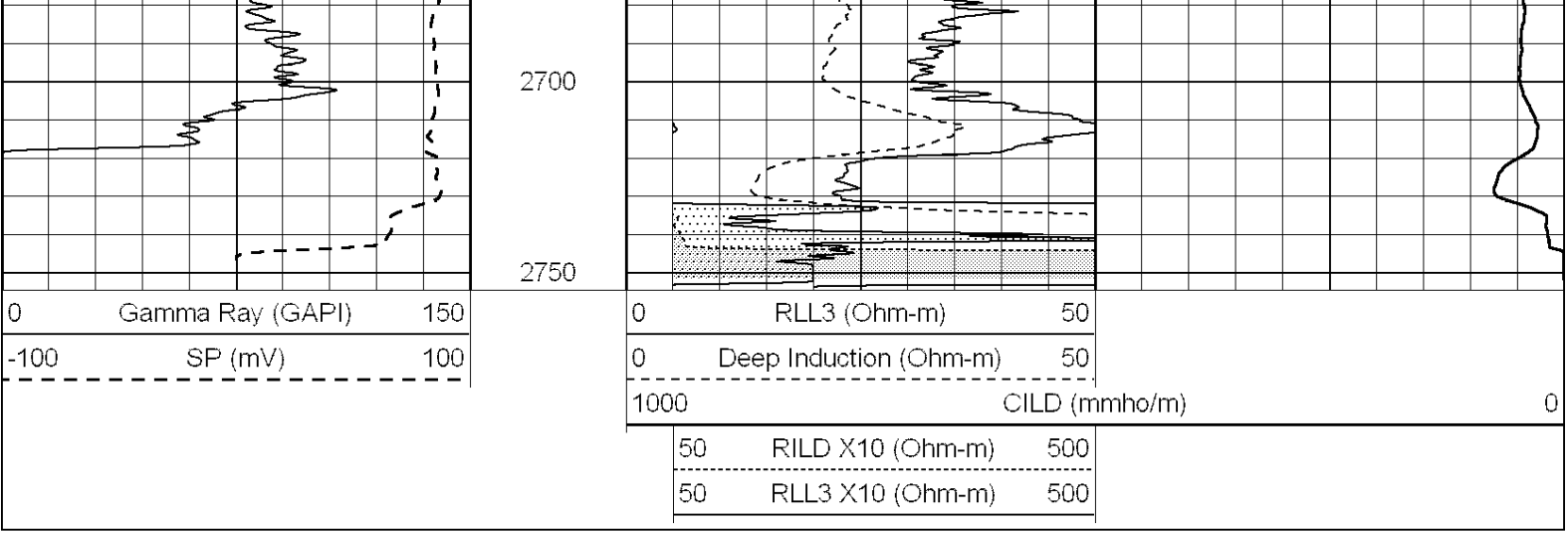
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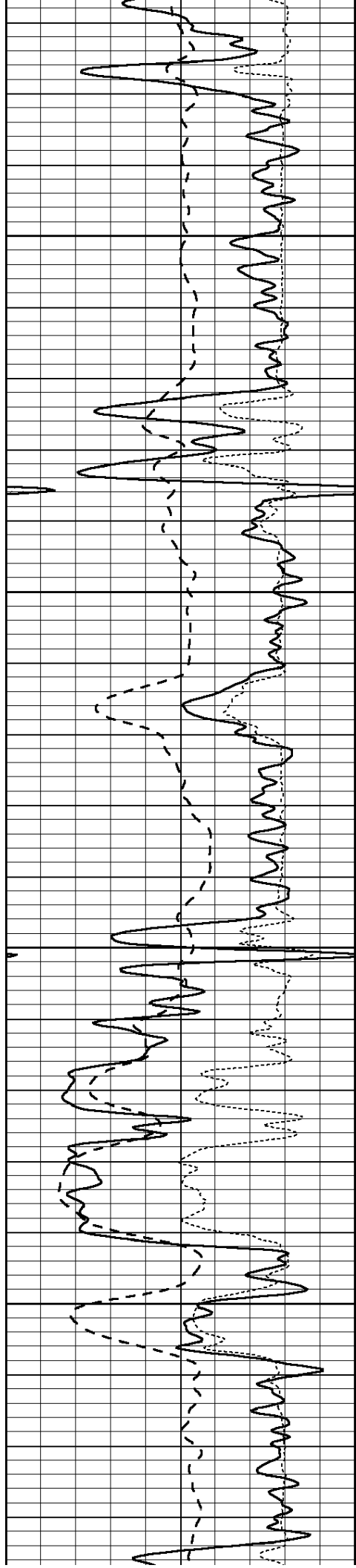
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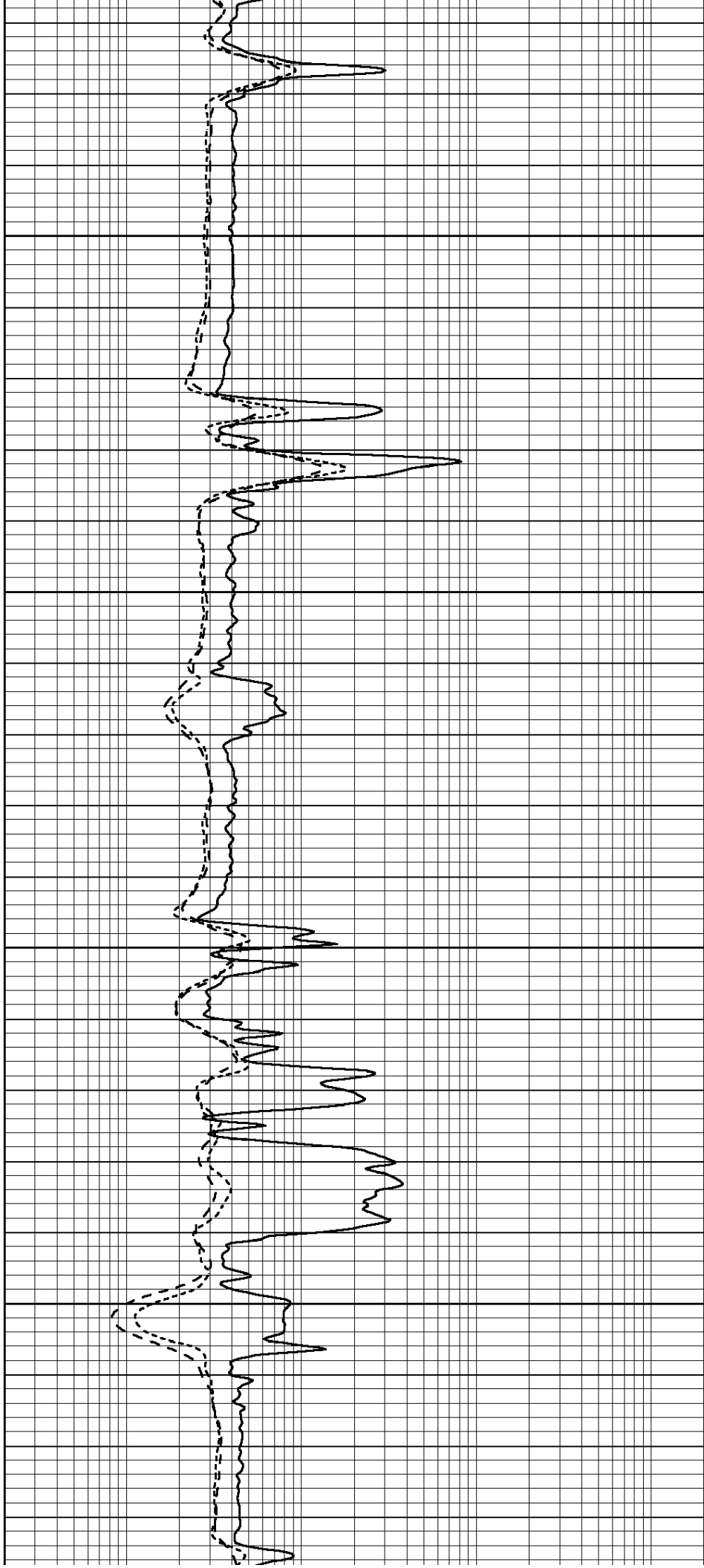


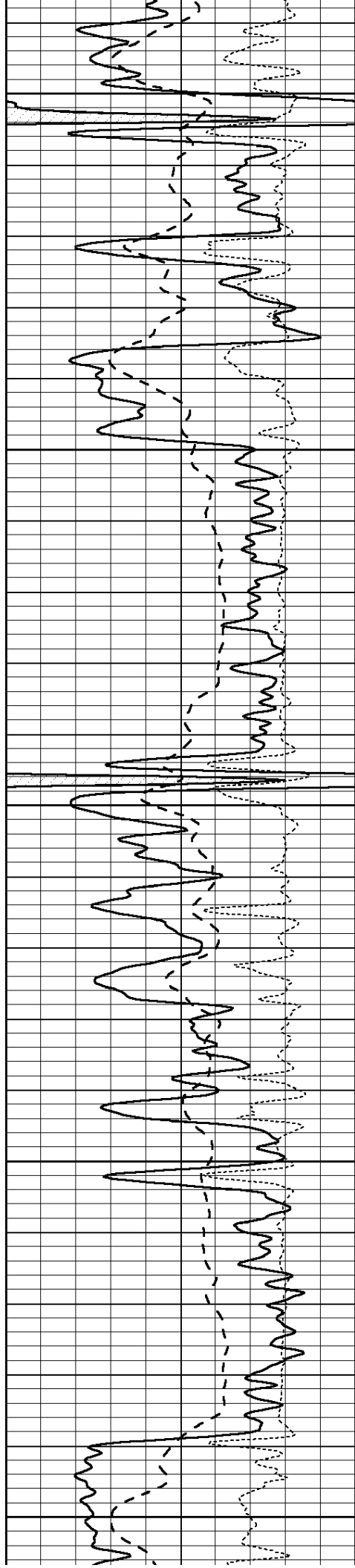
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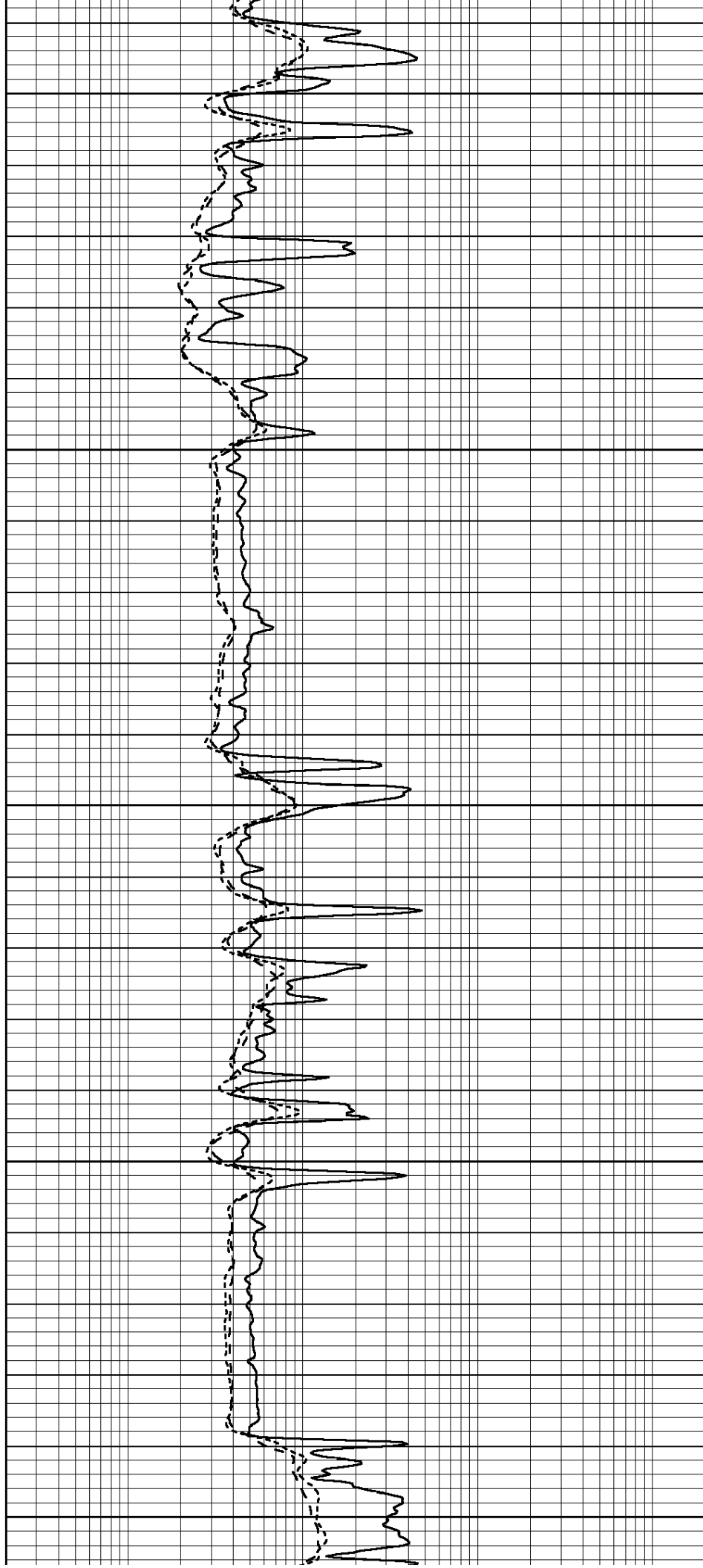
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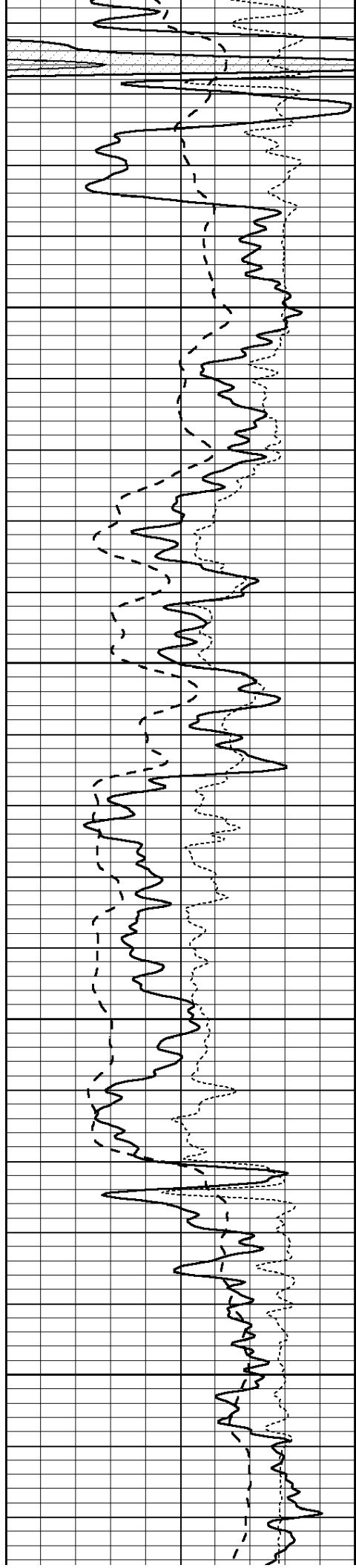
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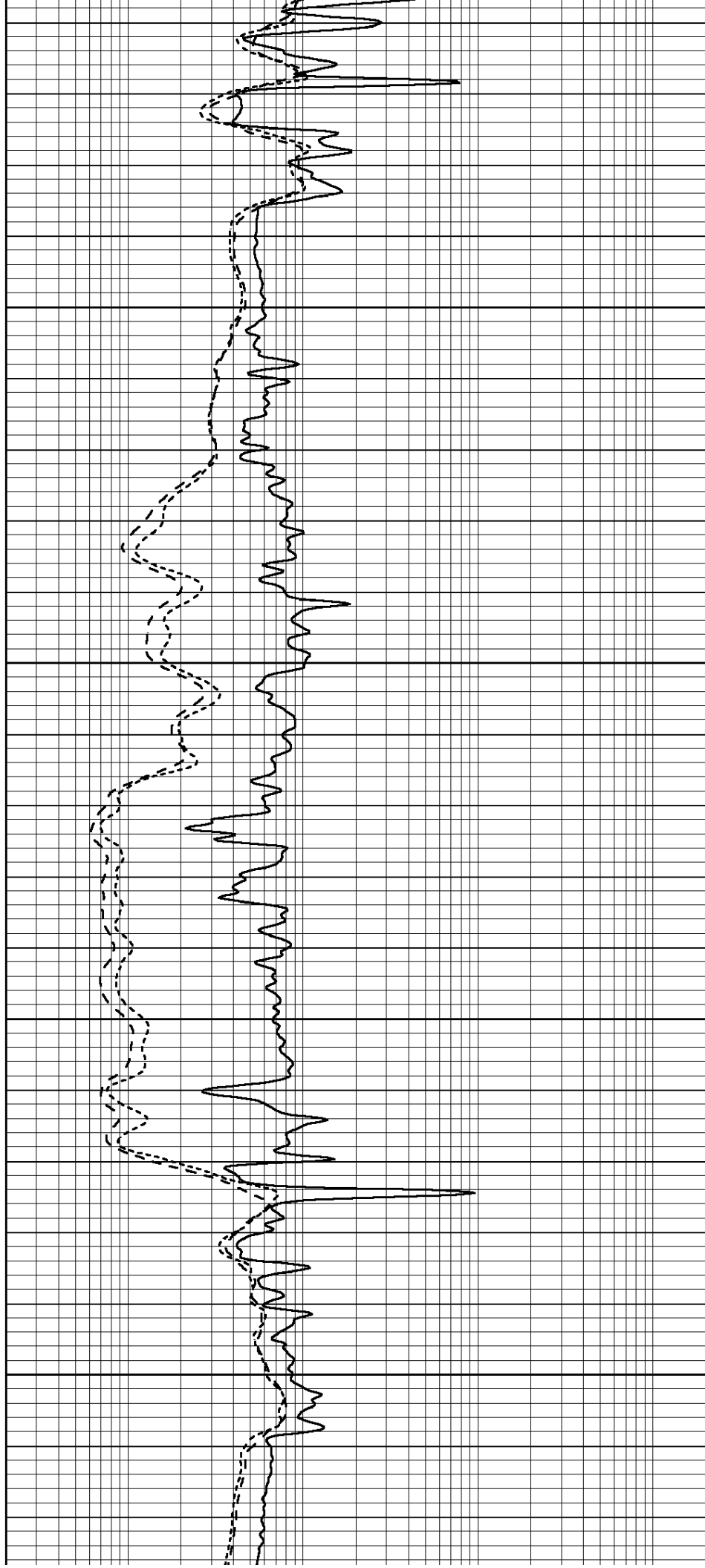


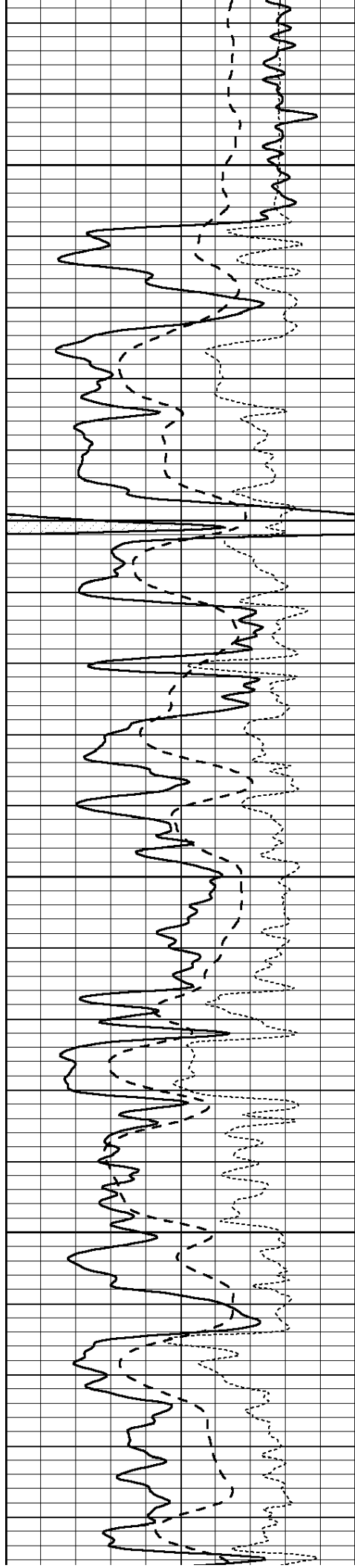
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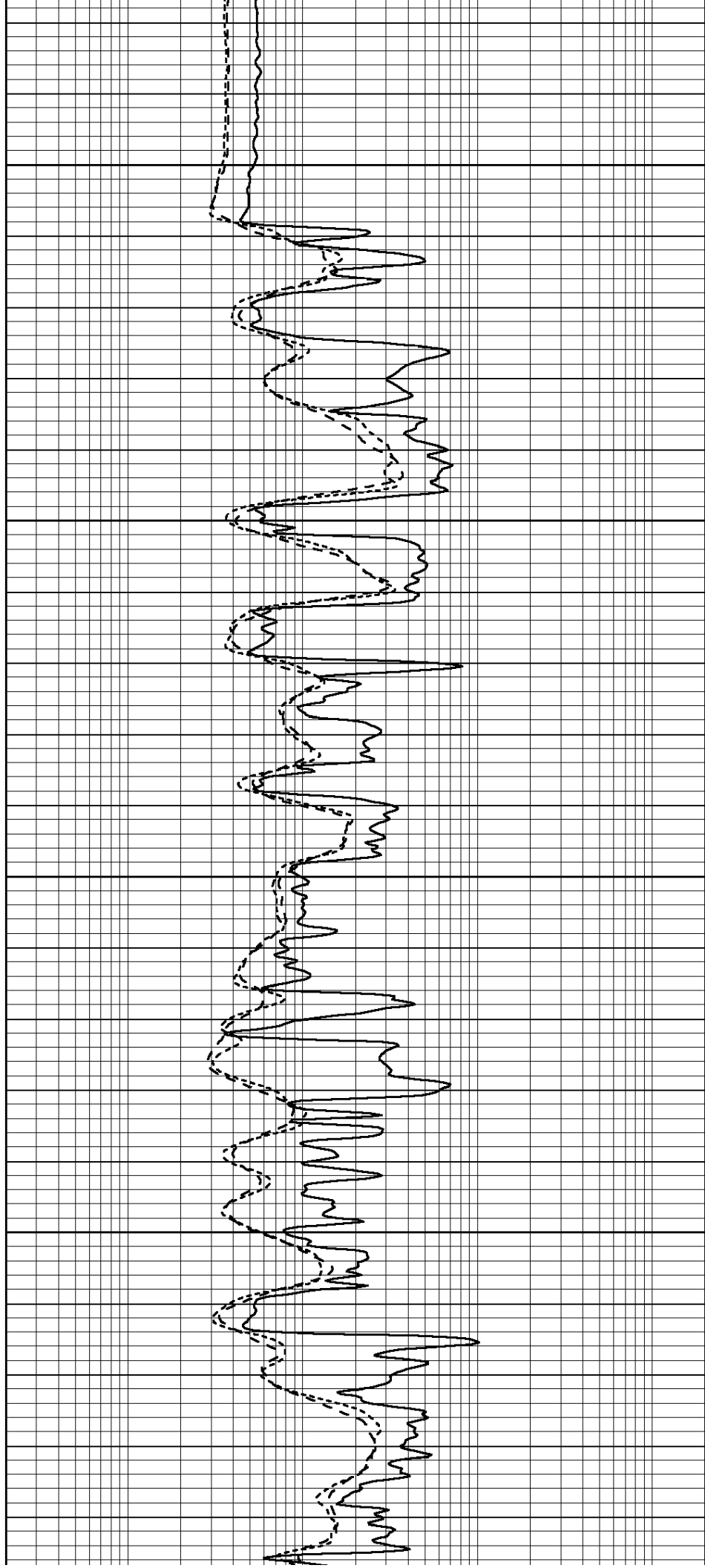


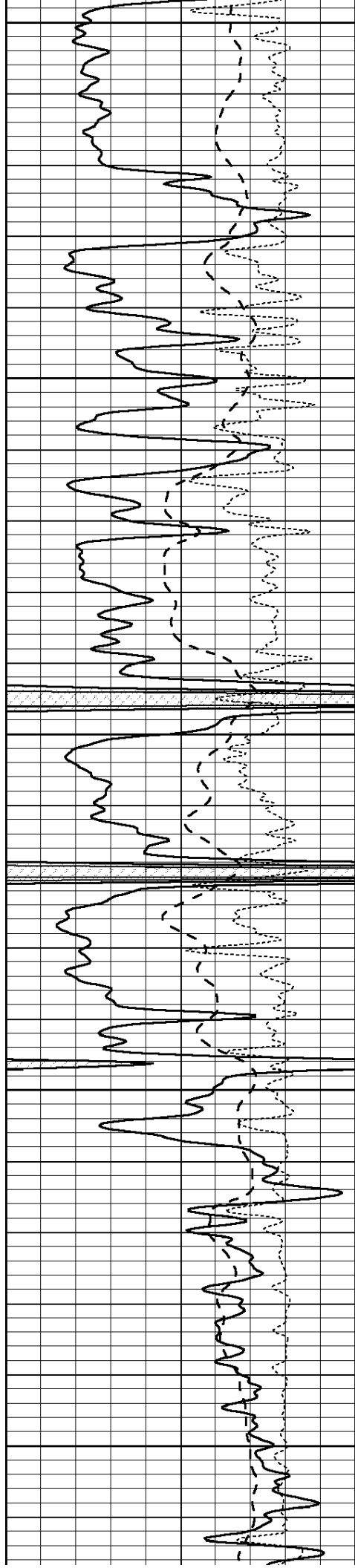
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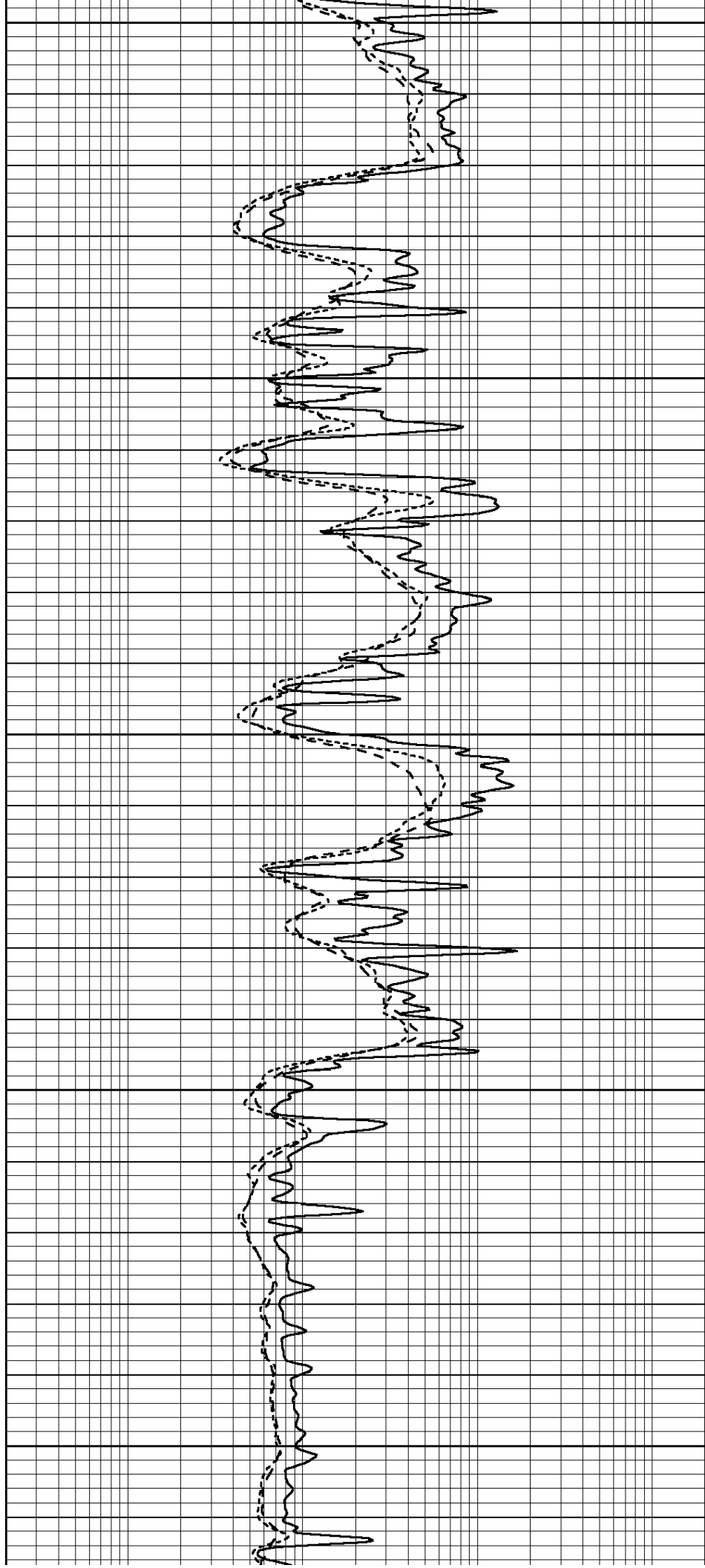
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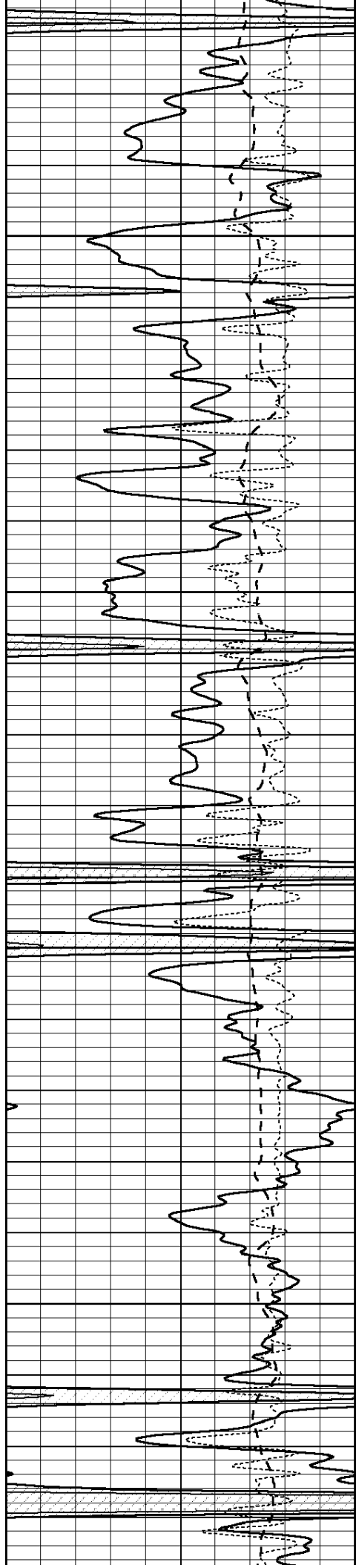
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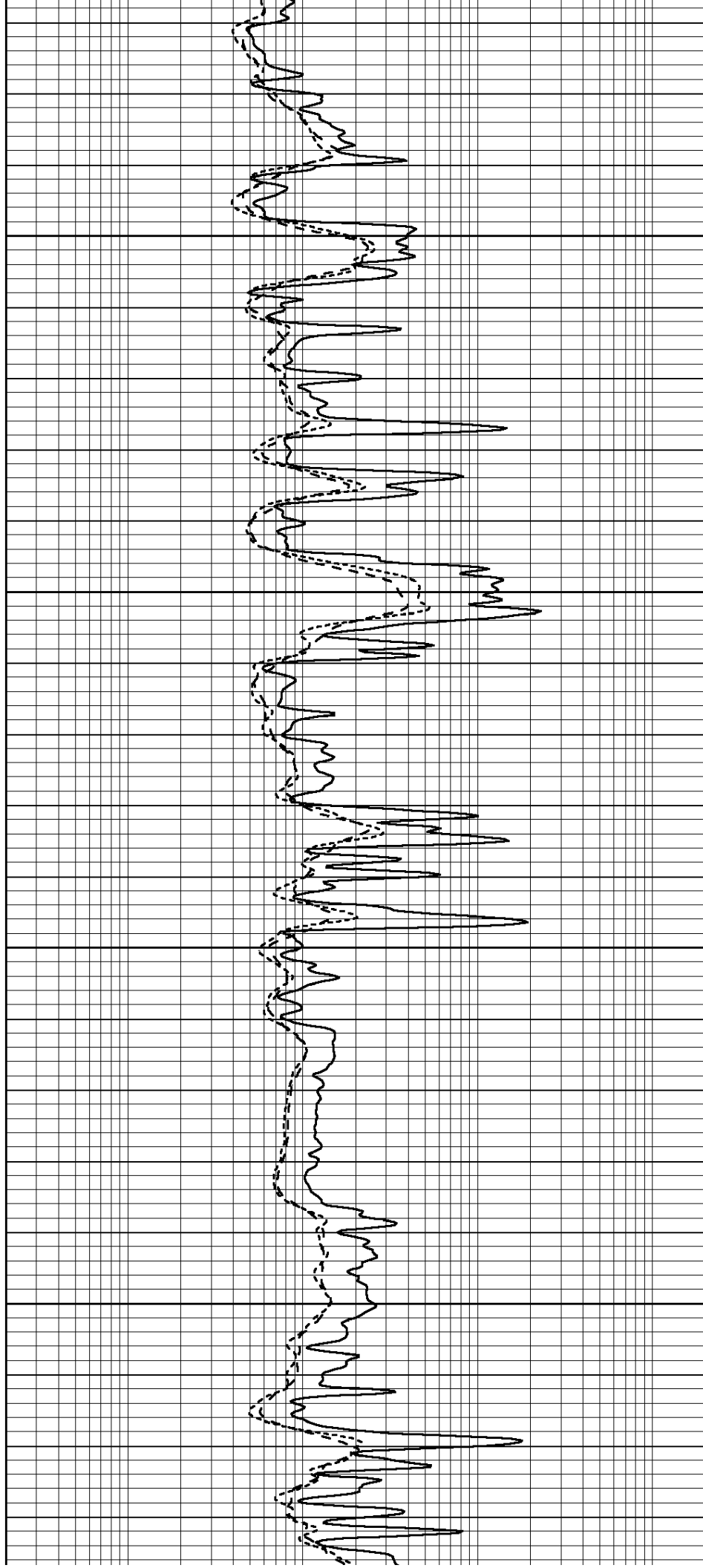


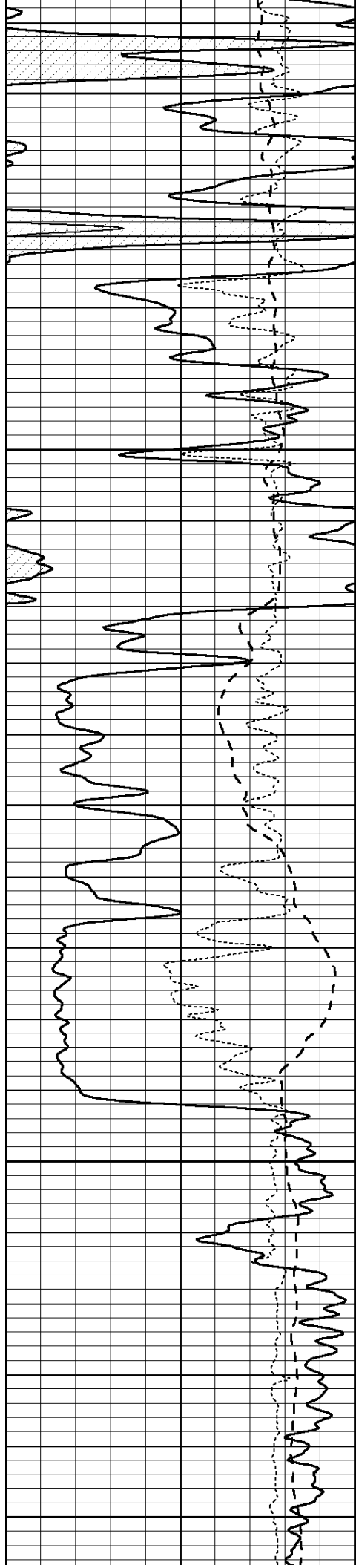
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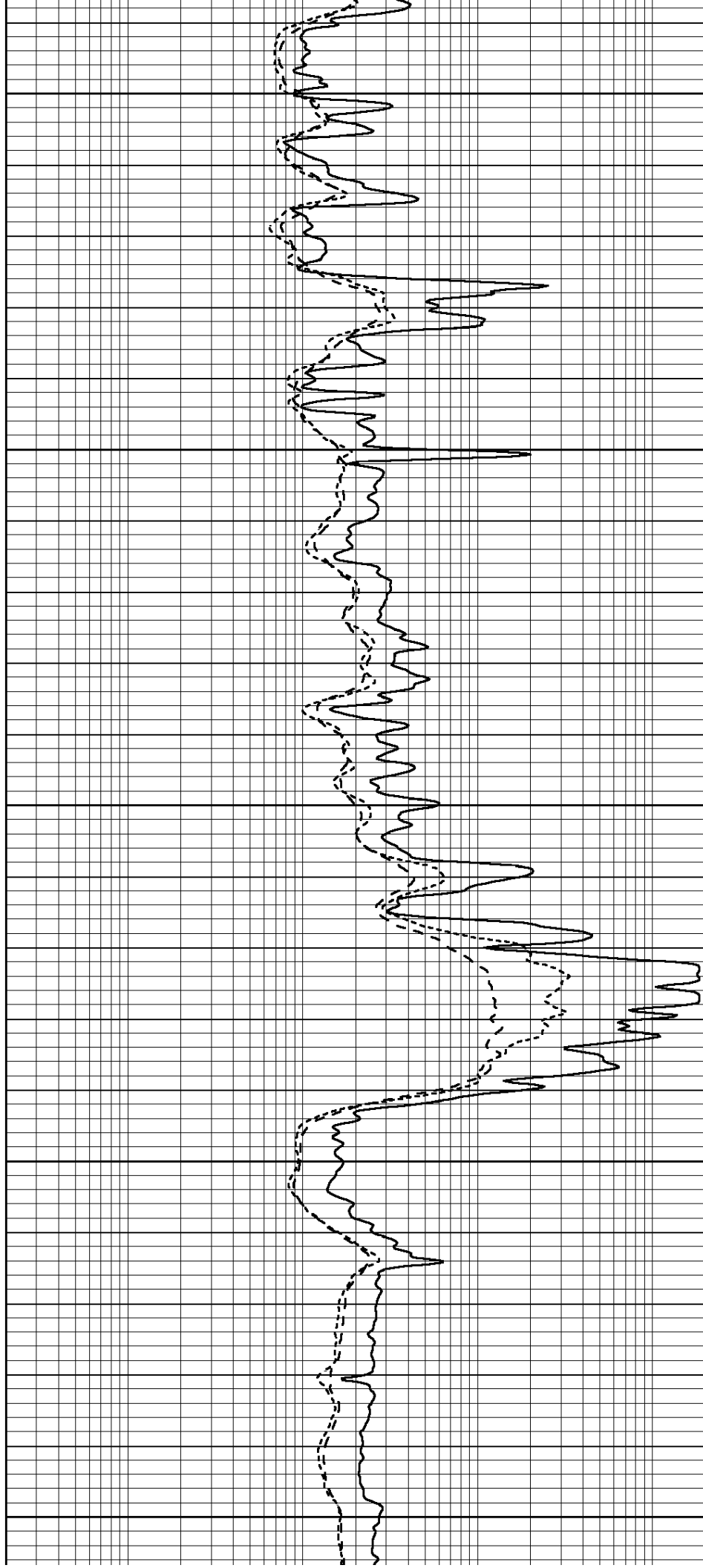
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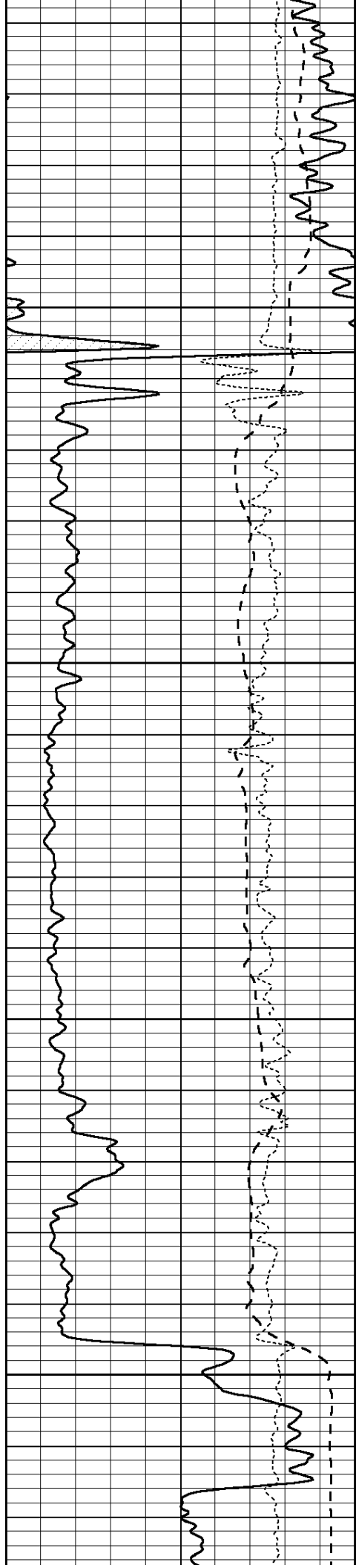
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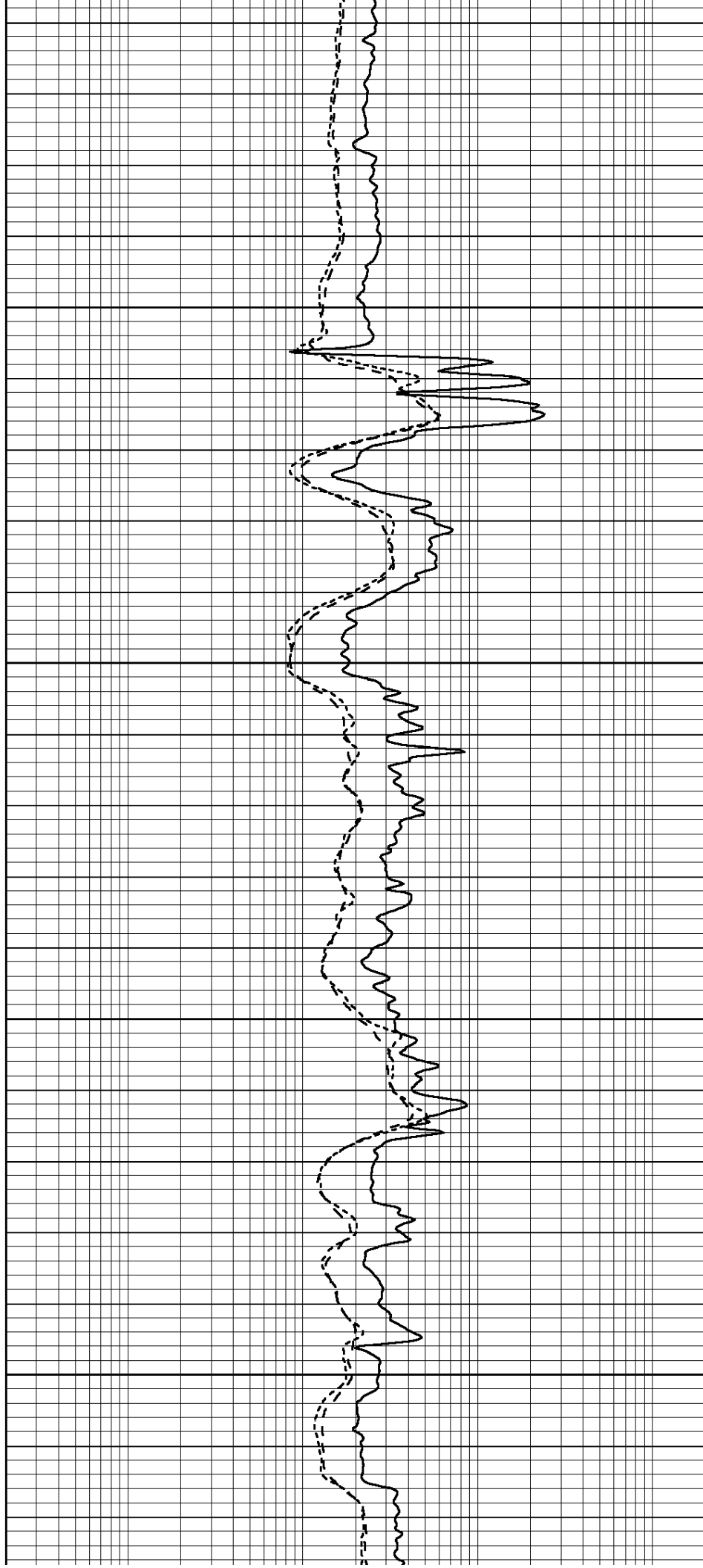


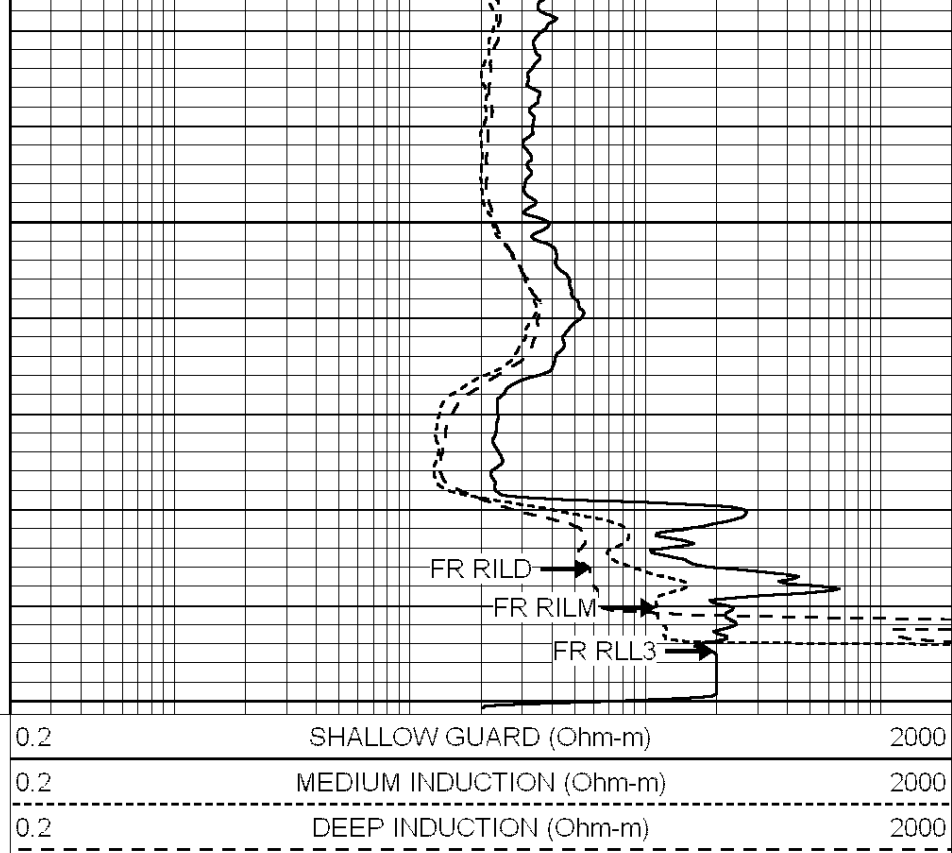
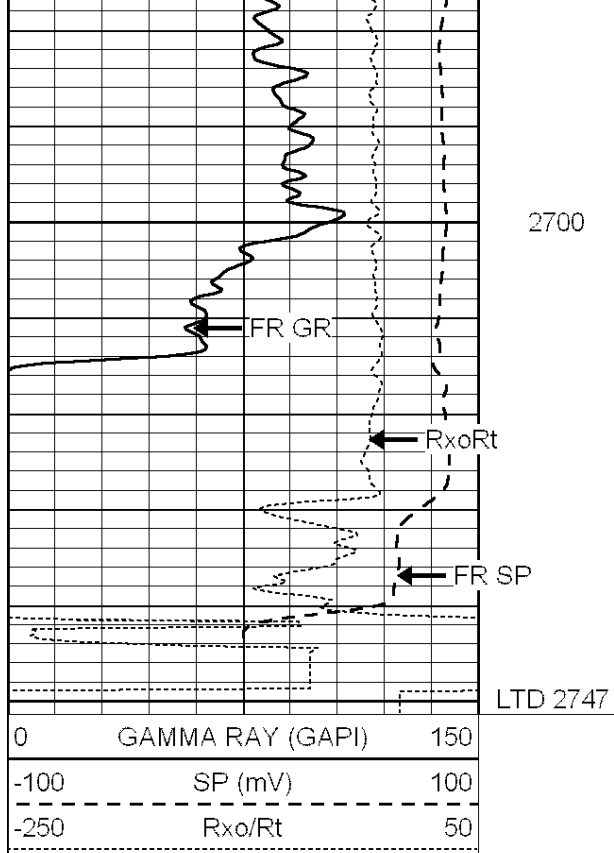
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2550

2600

2650

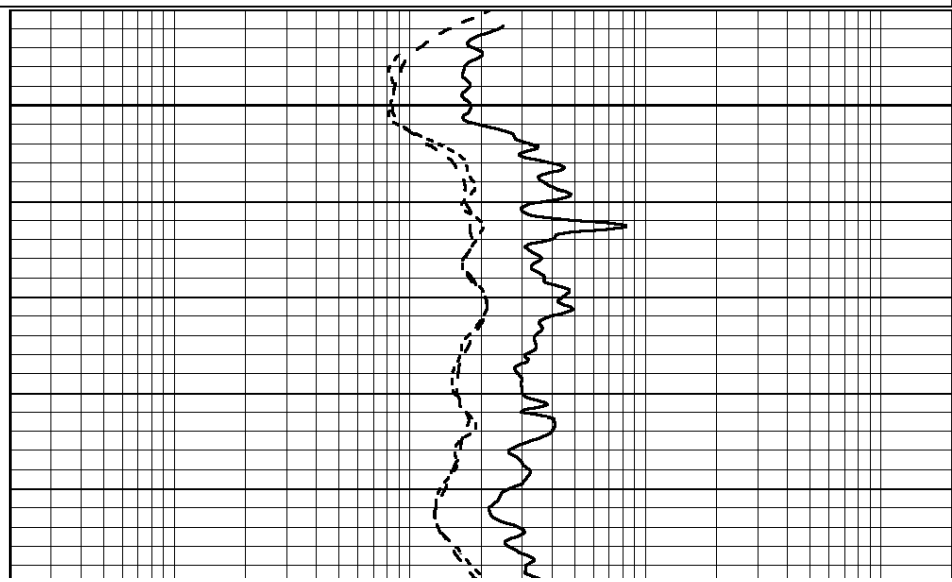
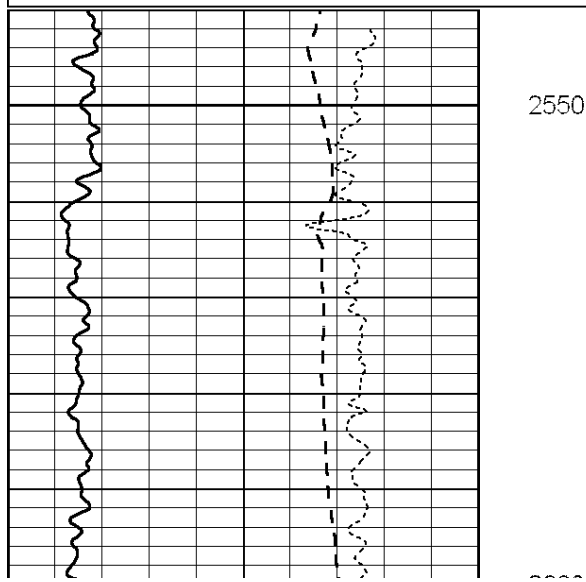
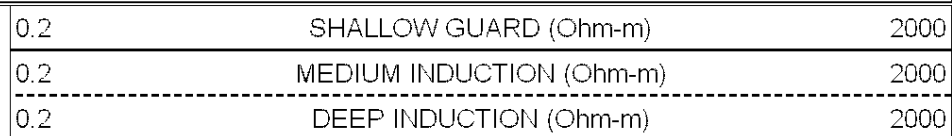
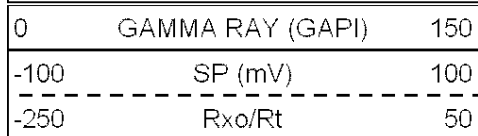


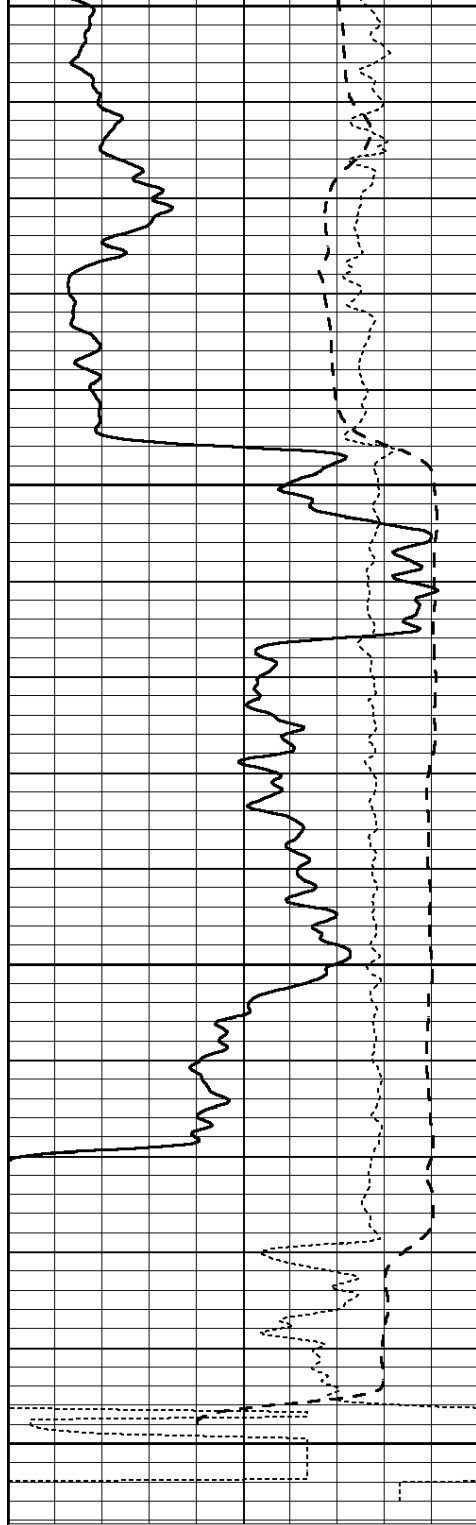


SUPERIOR
Hays,
Kansas

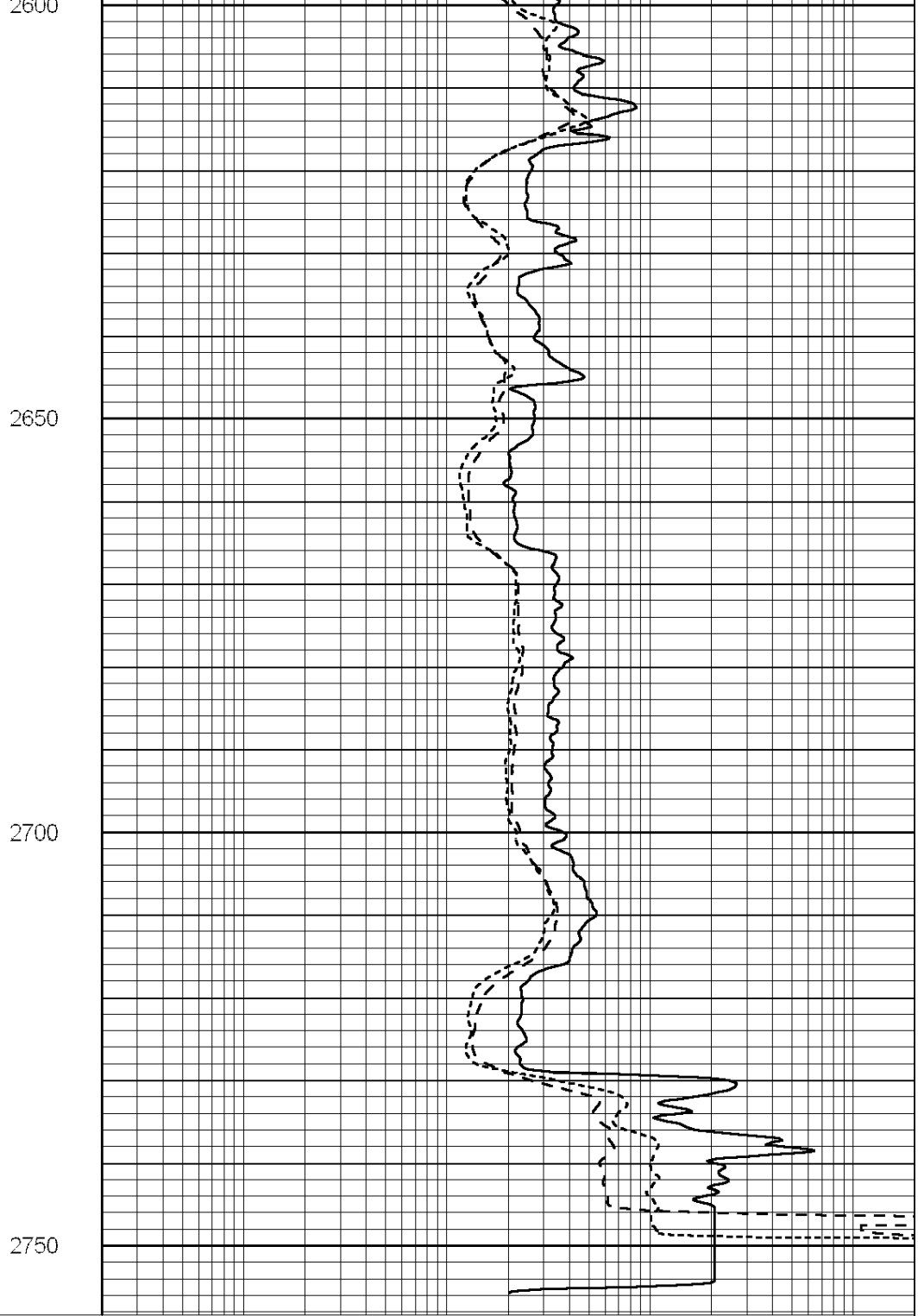
REPEAT SECTION

Database File: 005146ddn.db
 Dataset Pathname: pass2.2.1
 Presentation Format: _dil
 Dataset Creation: Thu Jun 17 04:57:11 2010
 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: 005146ddn.db
 Dataset Pathname: pass3.2
 Dataset Creation: Thu Jun 17 05:45:22 2010 by Calc Open-Cased 090629

Dual Induction Calibration Report

Serial-Model:	PROBE7-DILG
Surface Cal Performed:	Wed Jul 30 06:14:24 2008
Downhole Cal Performed:	Mon Jul 28 12:02:56 2008
After Survey Verification Performed:	Mon Jul 28 12:02:56 2008

Serial Number:	GR6
Tool Model:	OPEN
Performed:	Tue Nov 10 08:32:36 2009

Calibrator Value:	150.0	GAPI
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Background Reading:	0.0	cps
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Calibrator Reading:	276.0	cps
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Sensitivity:	0.5535	GAPI/cps
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SUPERIOR
Hays,
Kansas

MICRO
LOG

Company Well Field County State		PHILLIPS EXPLORATION CO., LC. SCHOOT #1-7 MORRIS KANSAS	
Company Well Field County State		PHILLIPS EXPLORATION COMPANY, LC SCHOOT #1-7 MORRIS KANSAS	
Location:		API # : 15-127-20585-0000 2310 FSL & 2970' FEL NE - NE - SW	
Permanent Datum Log Measured From Drilling Measured From		GROUND LEVEL KELLY BUSHING 10' A.G.L. KELLY BUSHING	
SEC 7 TWP 15S RGE 8E		Elevation K.B. 1393 D.F. 1391 G.L. 1383	
Date		6-17-10	
Run Number		TWO	
Depth Driller		2750	
Depth Logger		2747	
Bottom Logged Interval		2745	
Top Log Interval		800	
Casing Driller		8 5/8" @ 229	
Casing Logger		227	
Bit Size		7 7/8	
Type Fluid in Hole		CHEMICAL MUD	
Density / Viscosity		9.3/42	
pH / Fluid Loss		10.5/9.2	
Source of Sample		FLOWLINE	
Rim @ Meas. Temp		.36 @ 83F	
Rmf @ Meas. Temp		.27 @ 83F	
Rmc @ Meas. Temp		.43 @ 83F	
Source of Rmf / Rmc		MEASURED	
Rim @ BHT		.26 @ 114F	
Time Circulation Stopped		3 HOURS	
Time Logger on Bottom		114F	
Maximum Recorded Temperature		680	
Equipment Number		HAYS, KANSAS	
Location		JEFF GRONEMEG	
Recorded By		BILL STOUT	
Witnessed By			

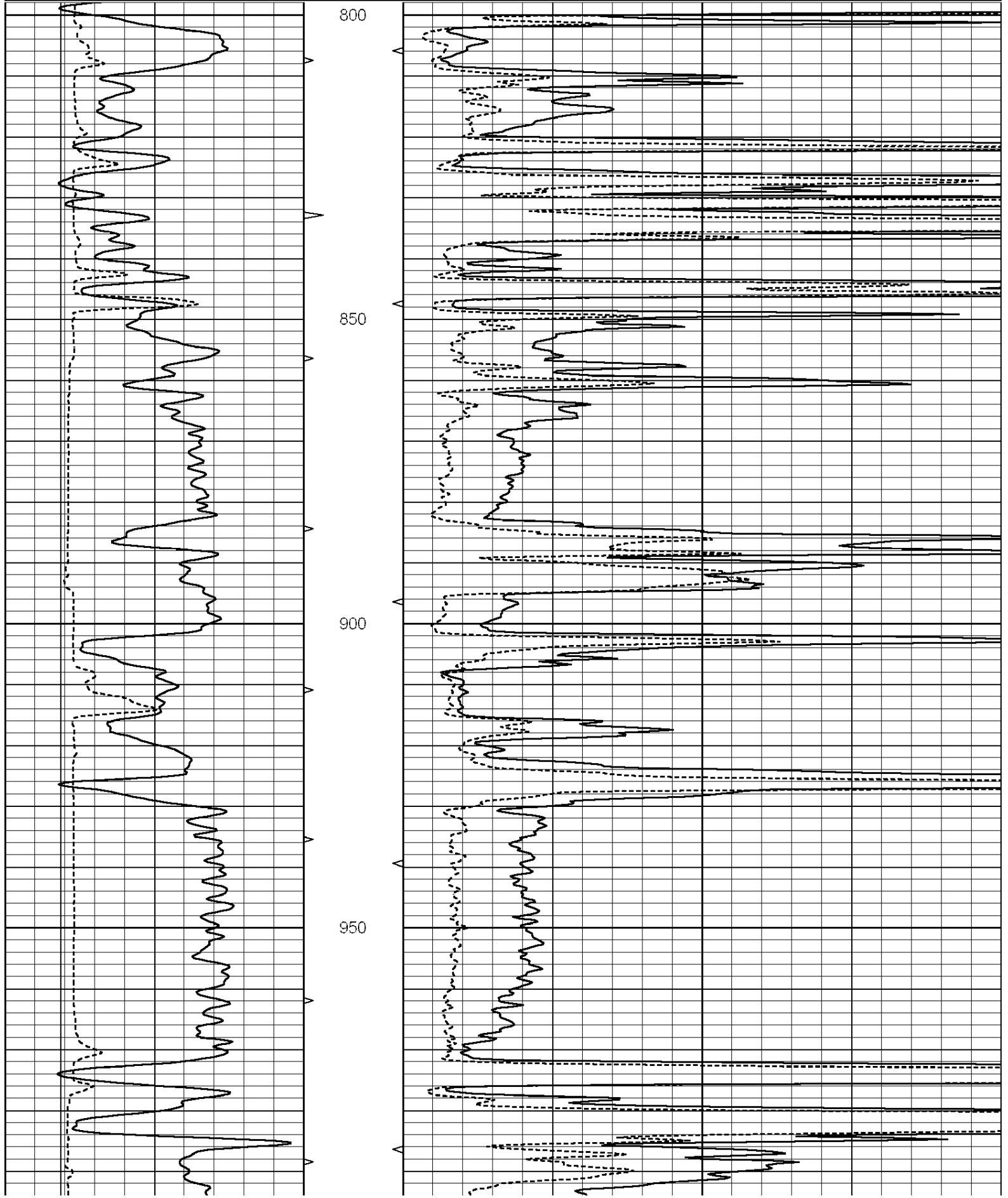
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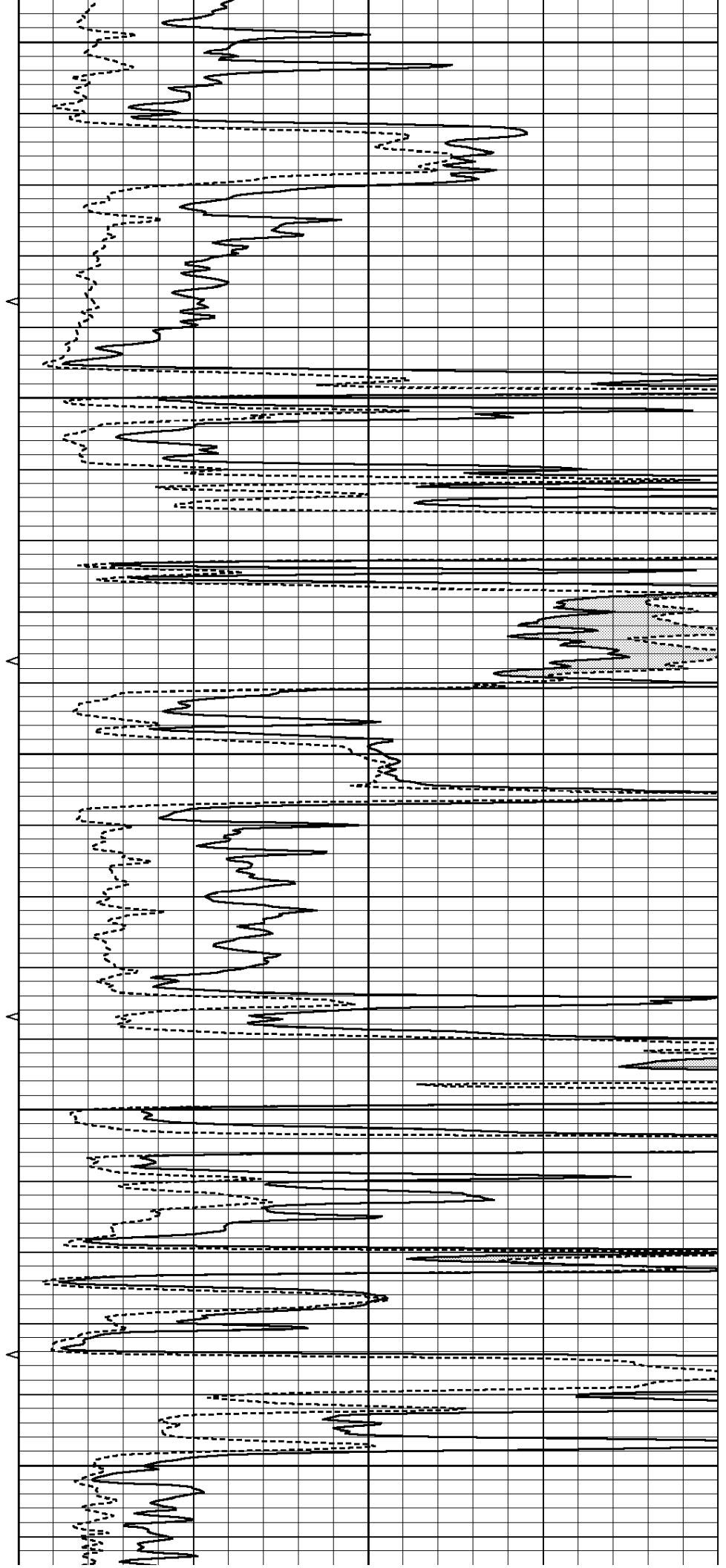
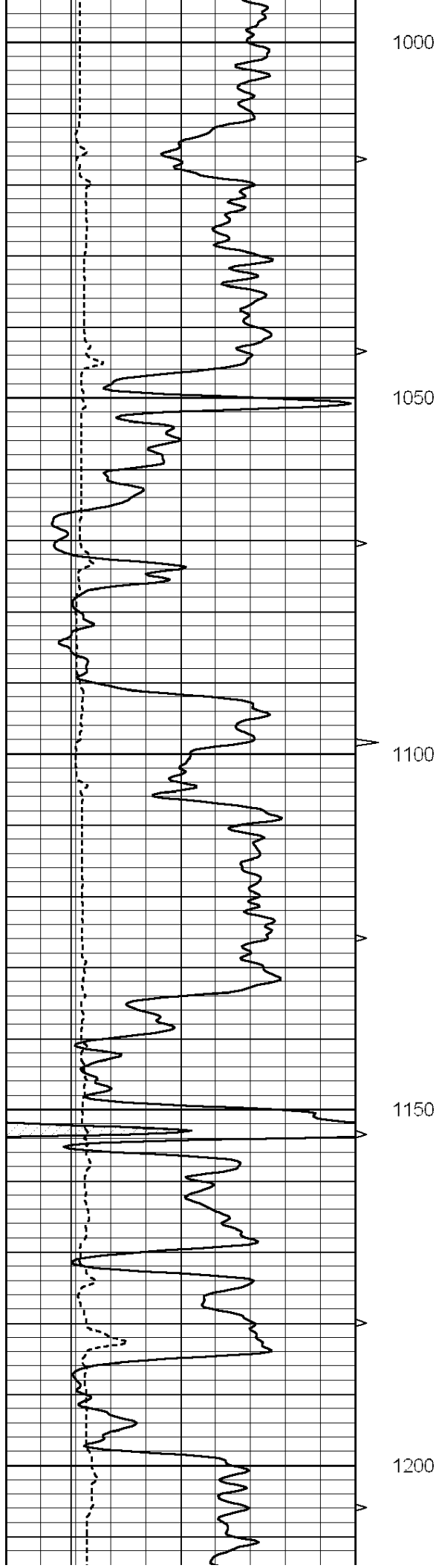
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

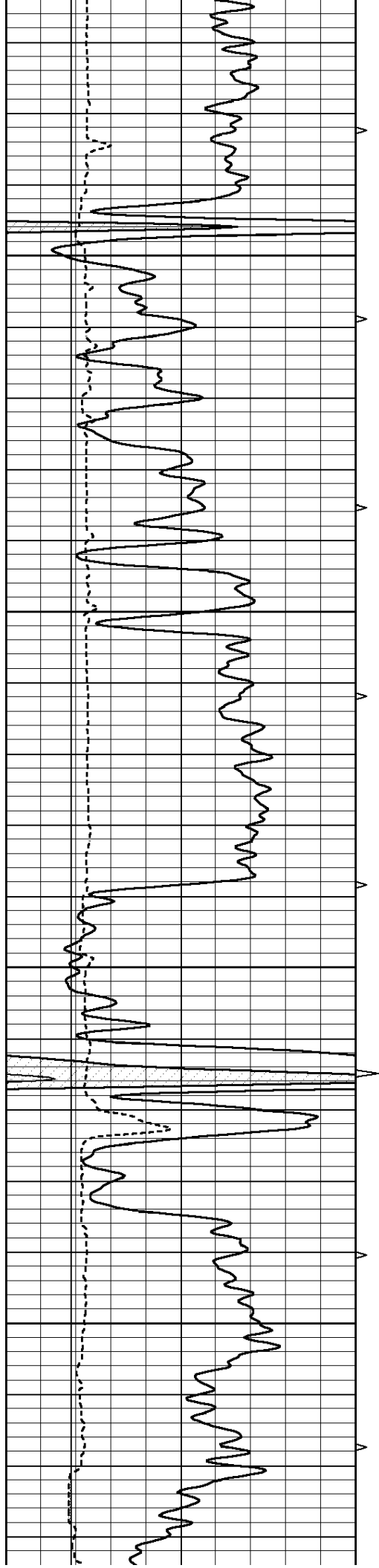
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
INTERSECTION OF I-70 & EXIT 313 - SOUTH TO MORRIS COUNTY LINE - SOUTH TO RD K
4 MILES WEST - 1/2 MILE NORTH - EAST INTO

Charted by:		Depth in Feet scaled 1:2.15				
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
		TBHV				
		0 (ft3)		10		





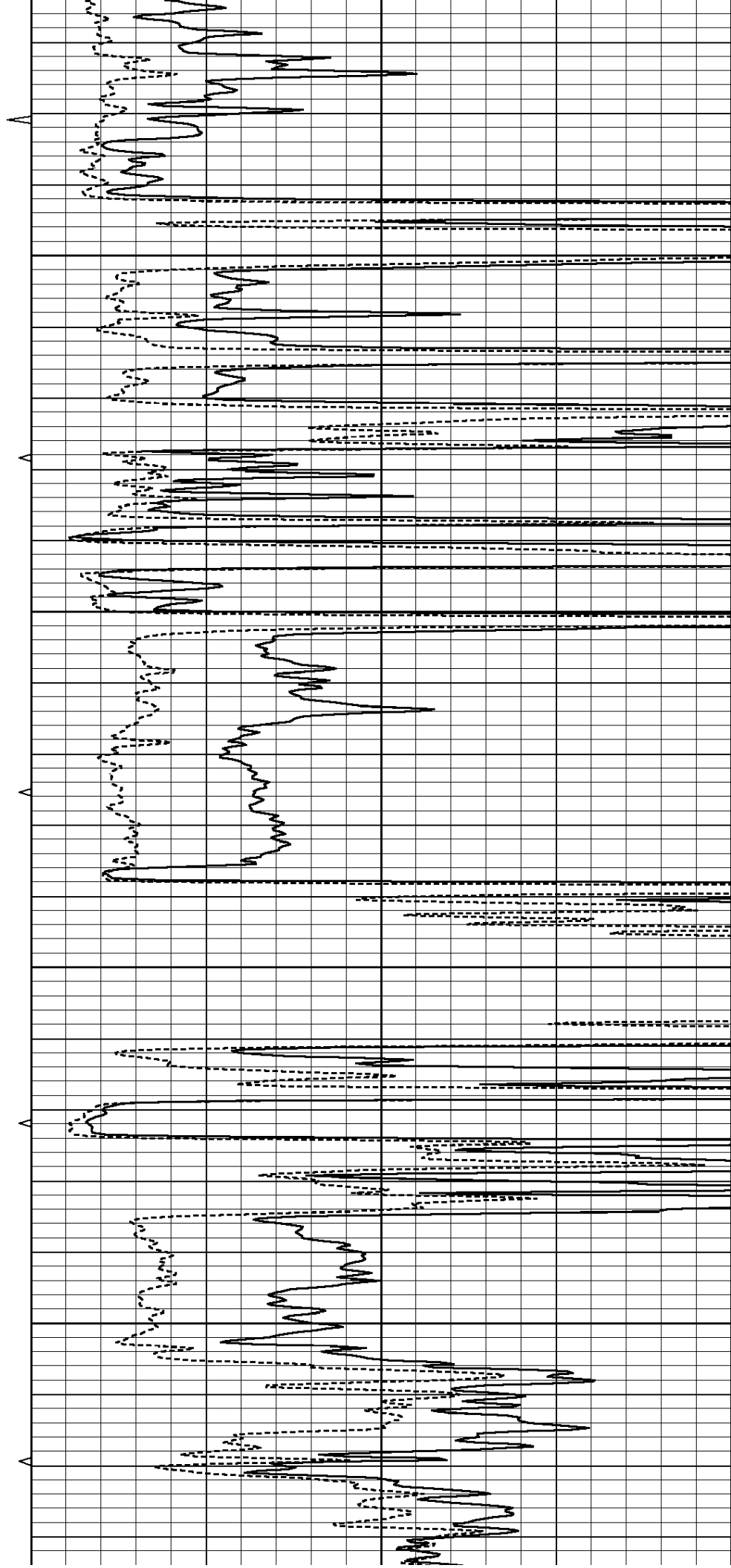


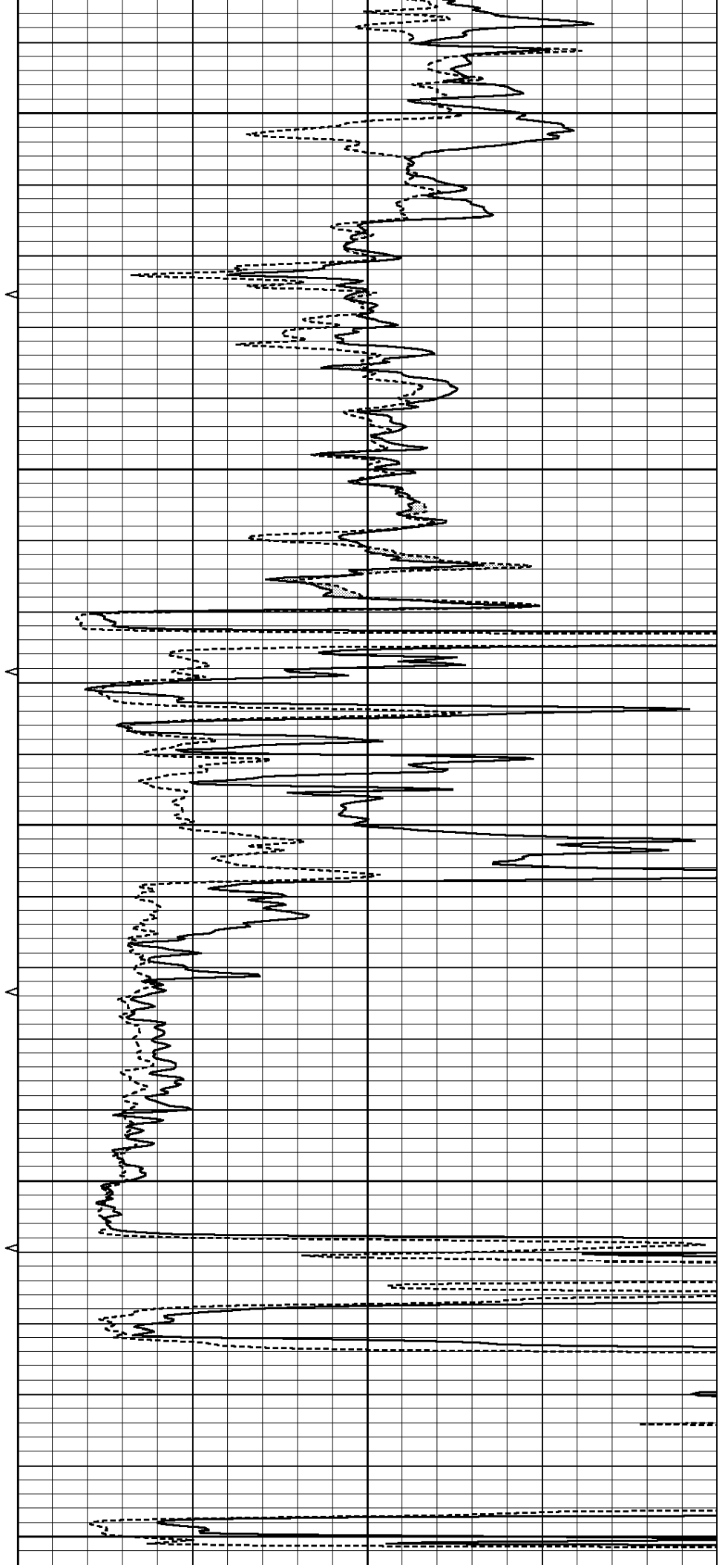
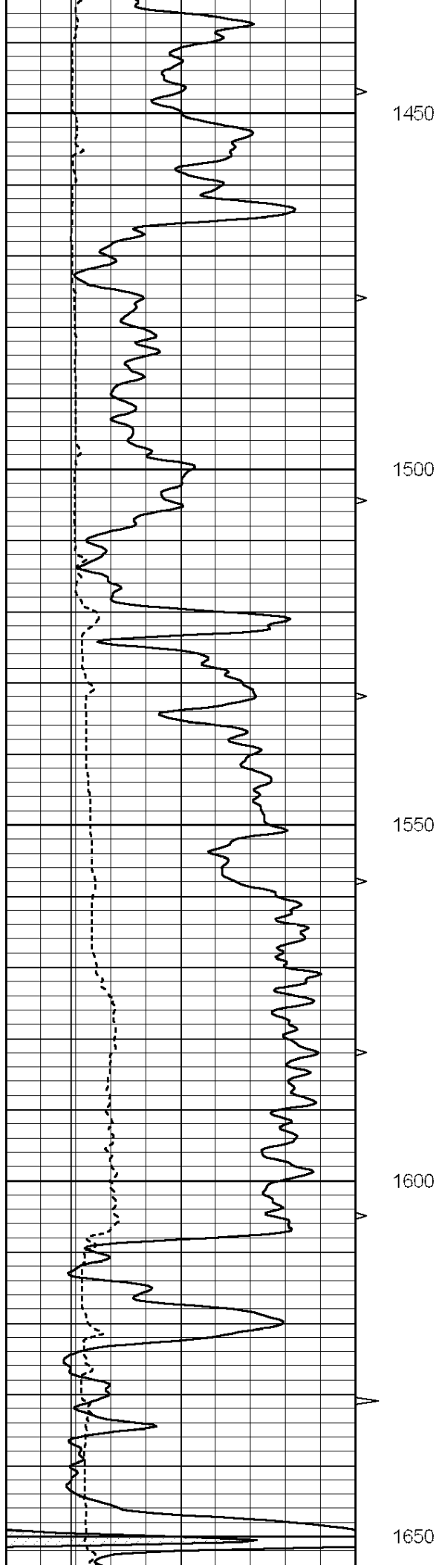
1250

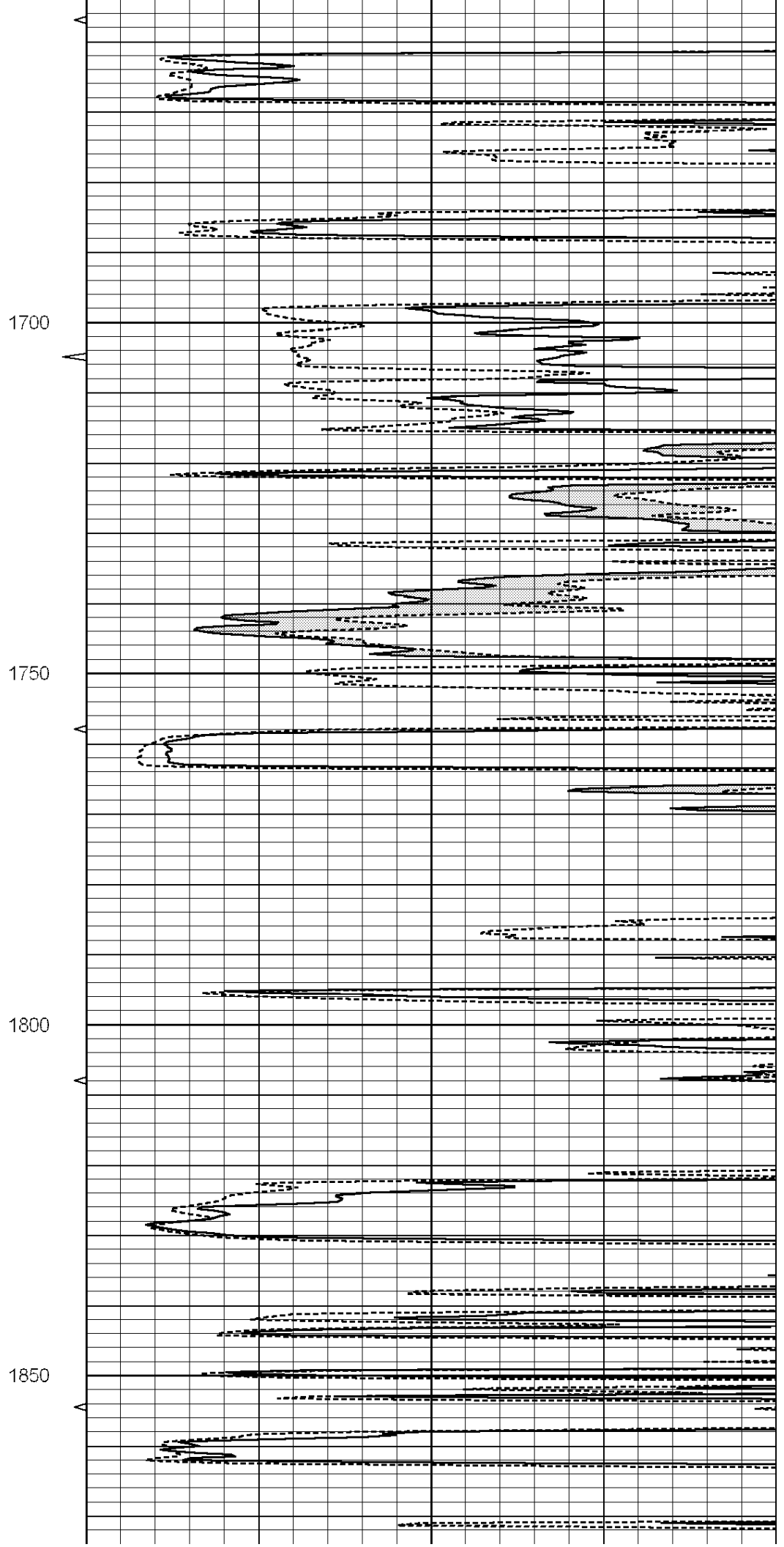
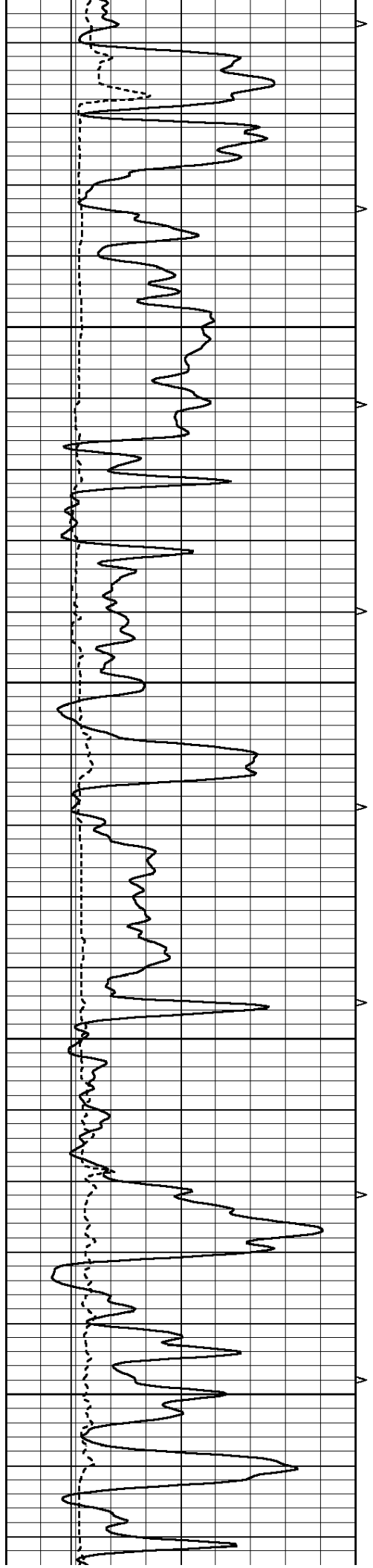
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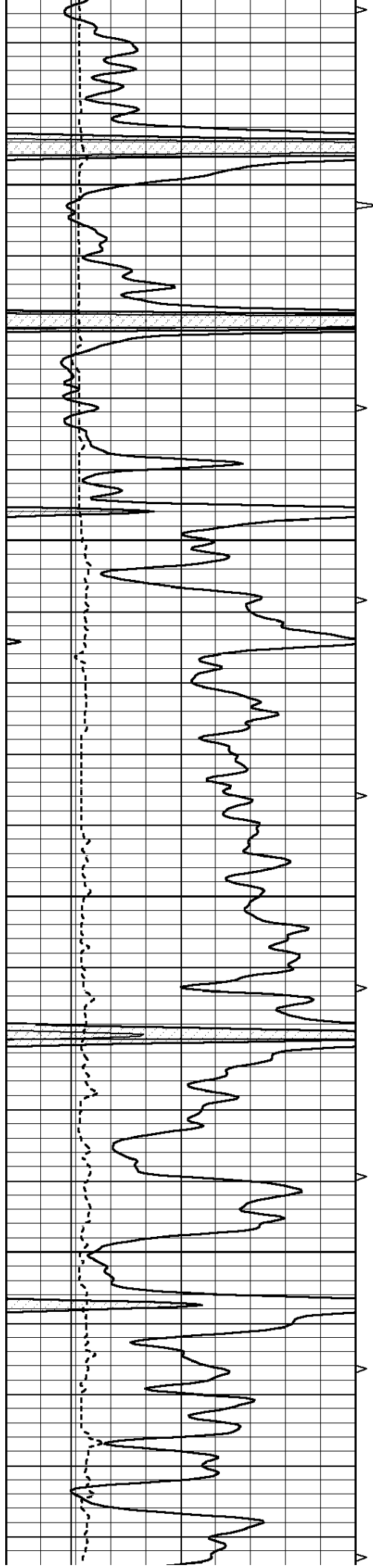
1350

1400







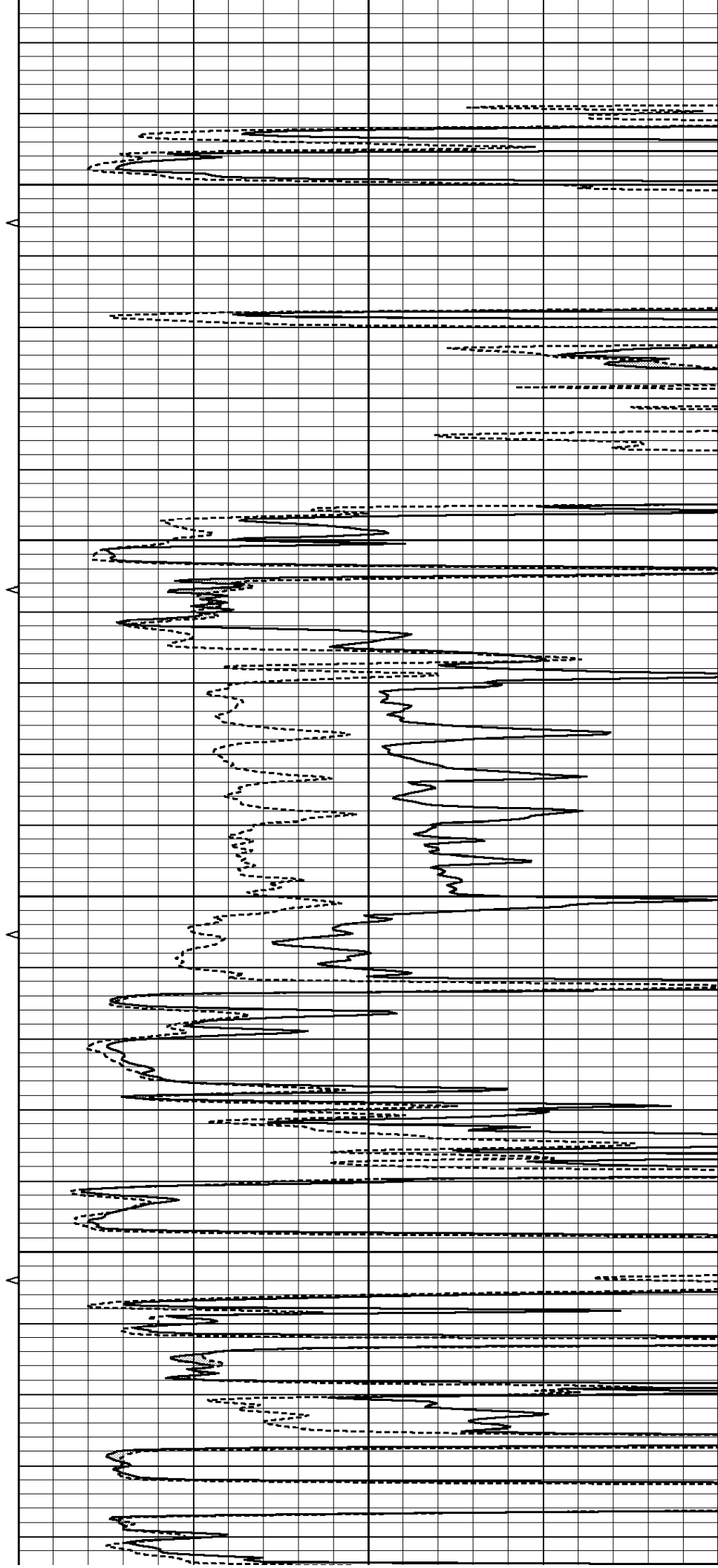


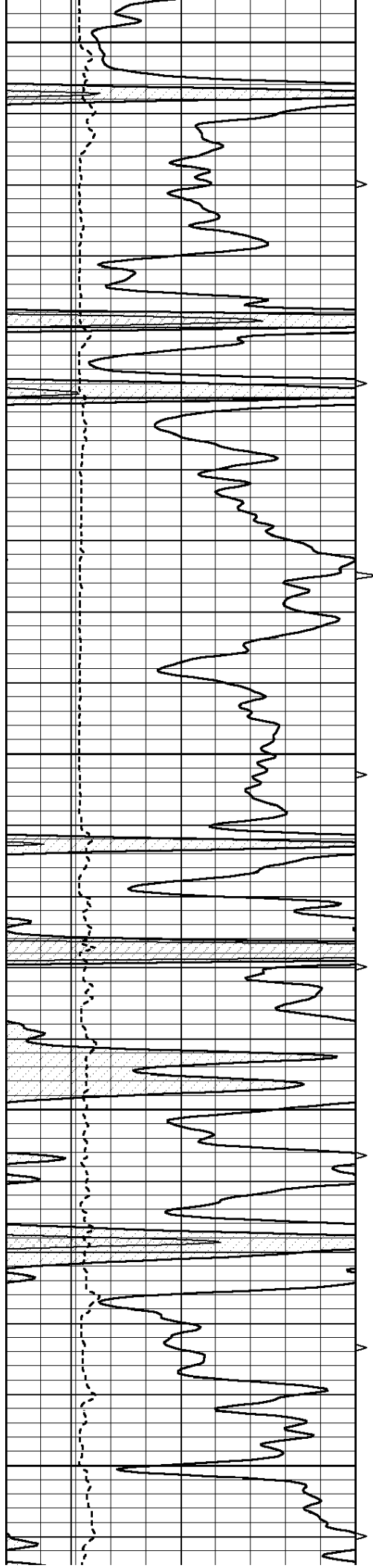
1900

1950

2000

2050





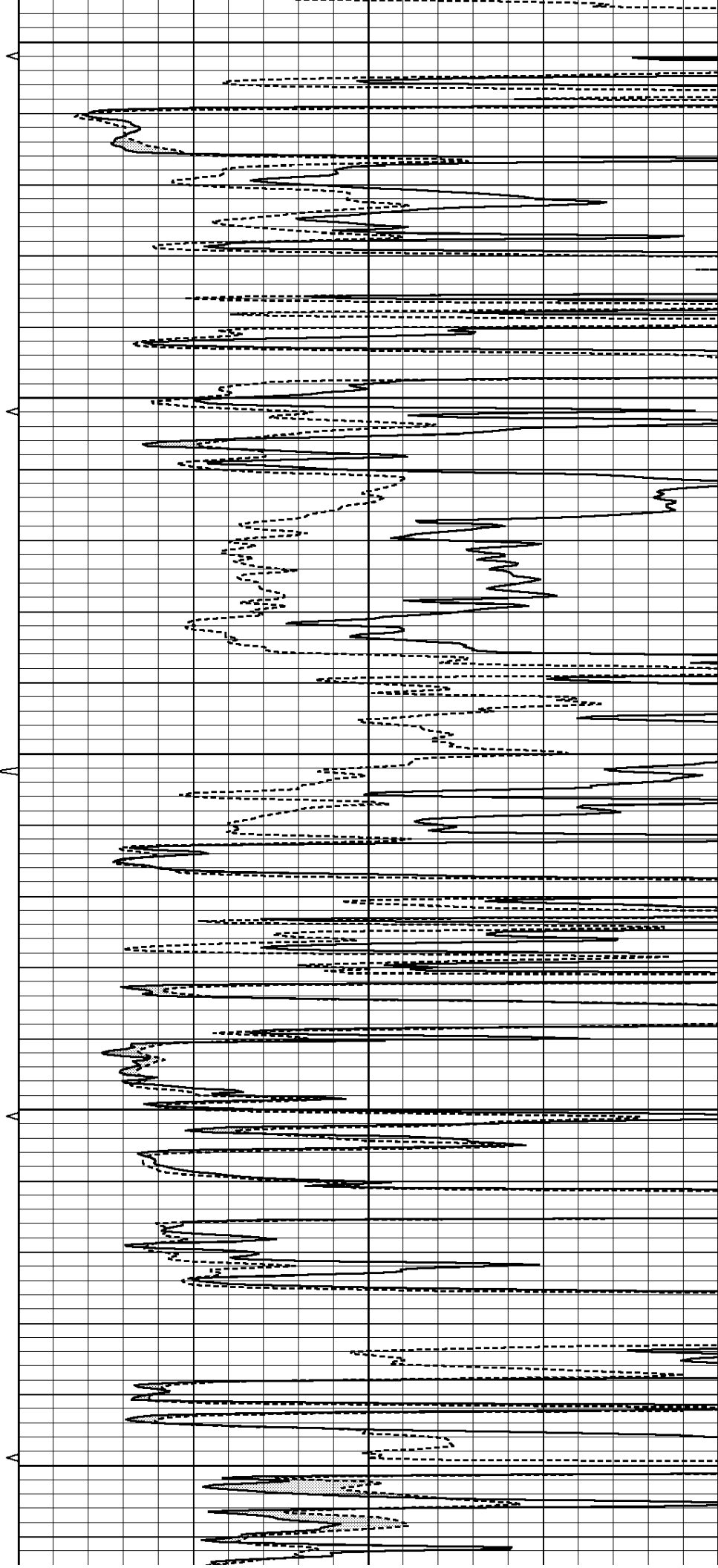
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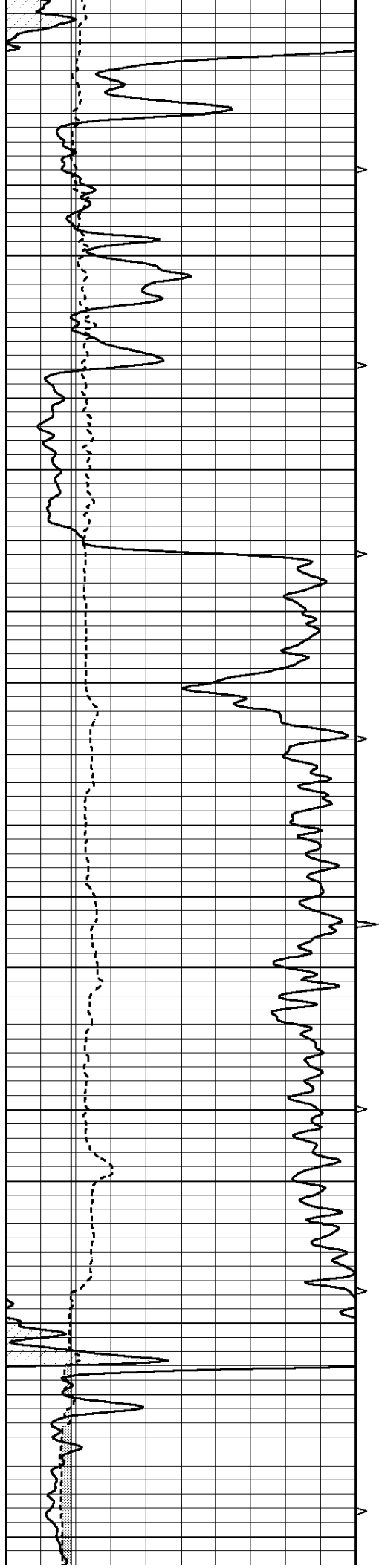
2150

2200

2250

2300



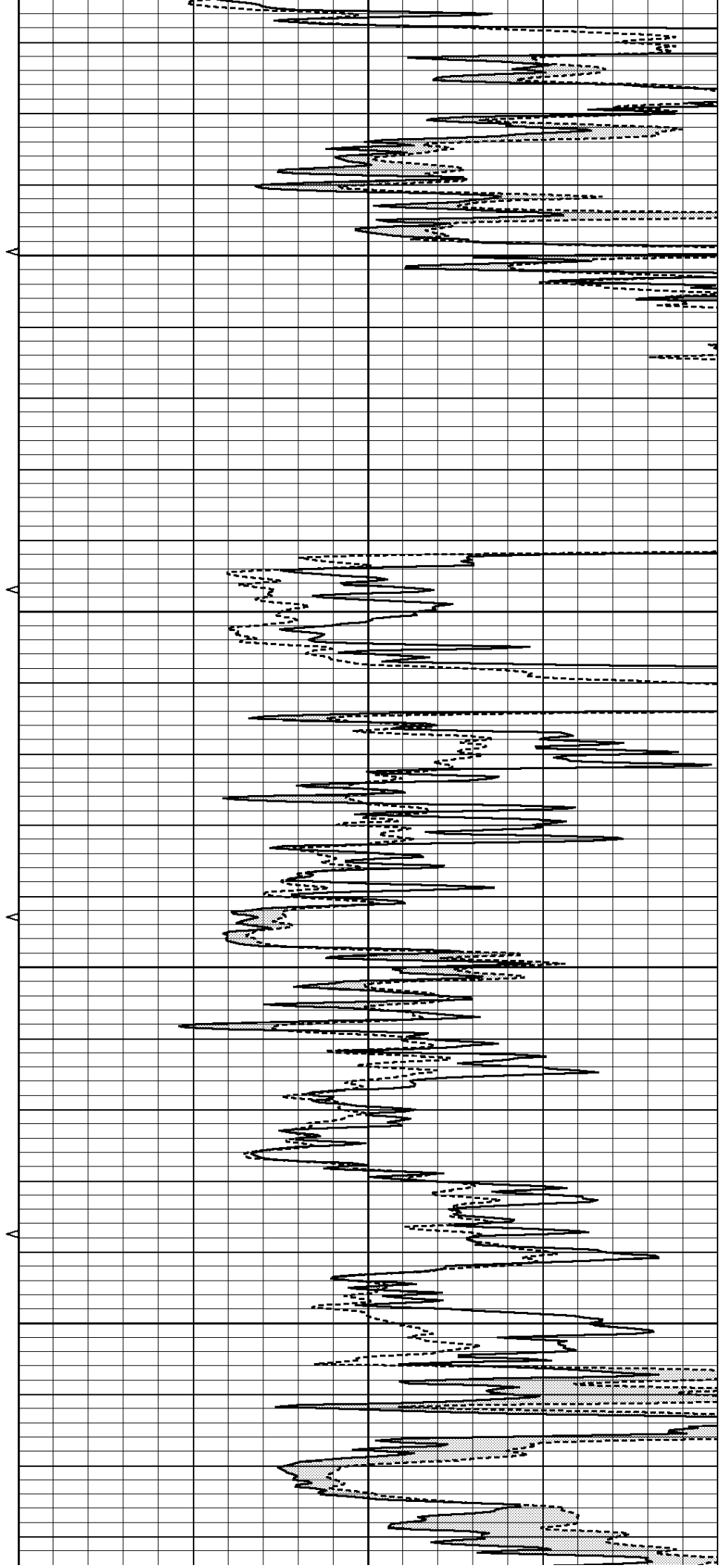


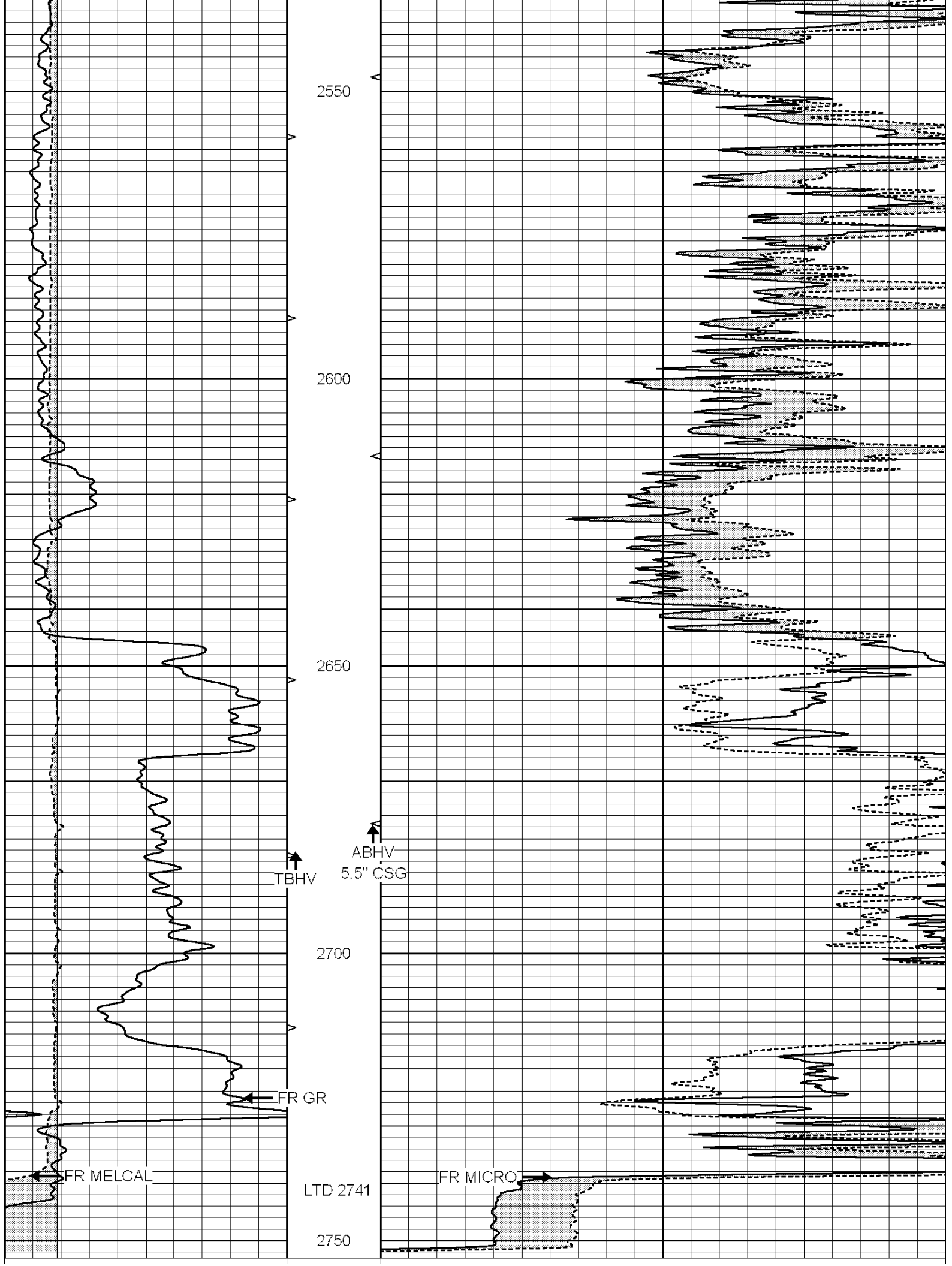
2350

2400

2450

2500





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		



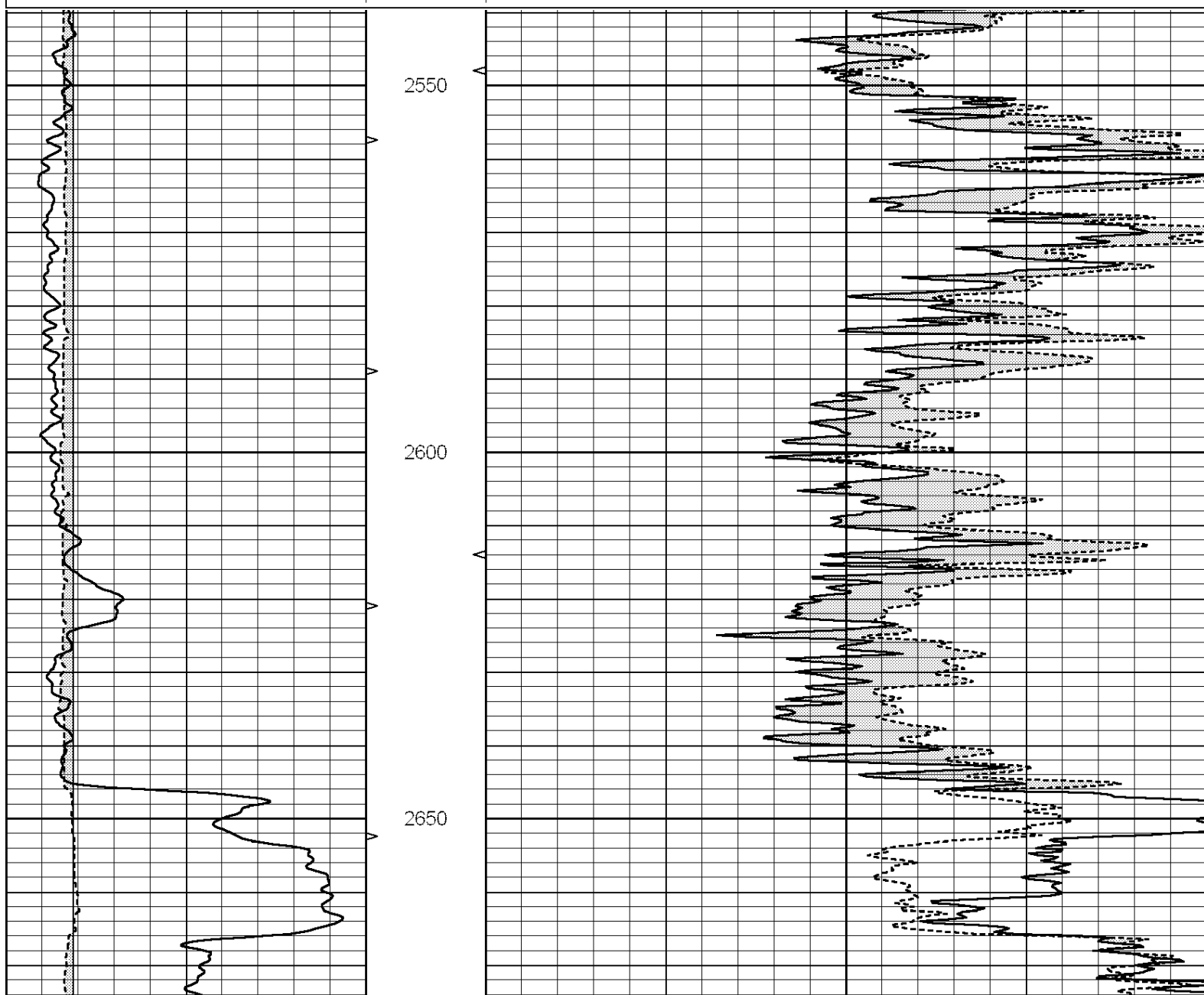
SUPERIOR

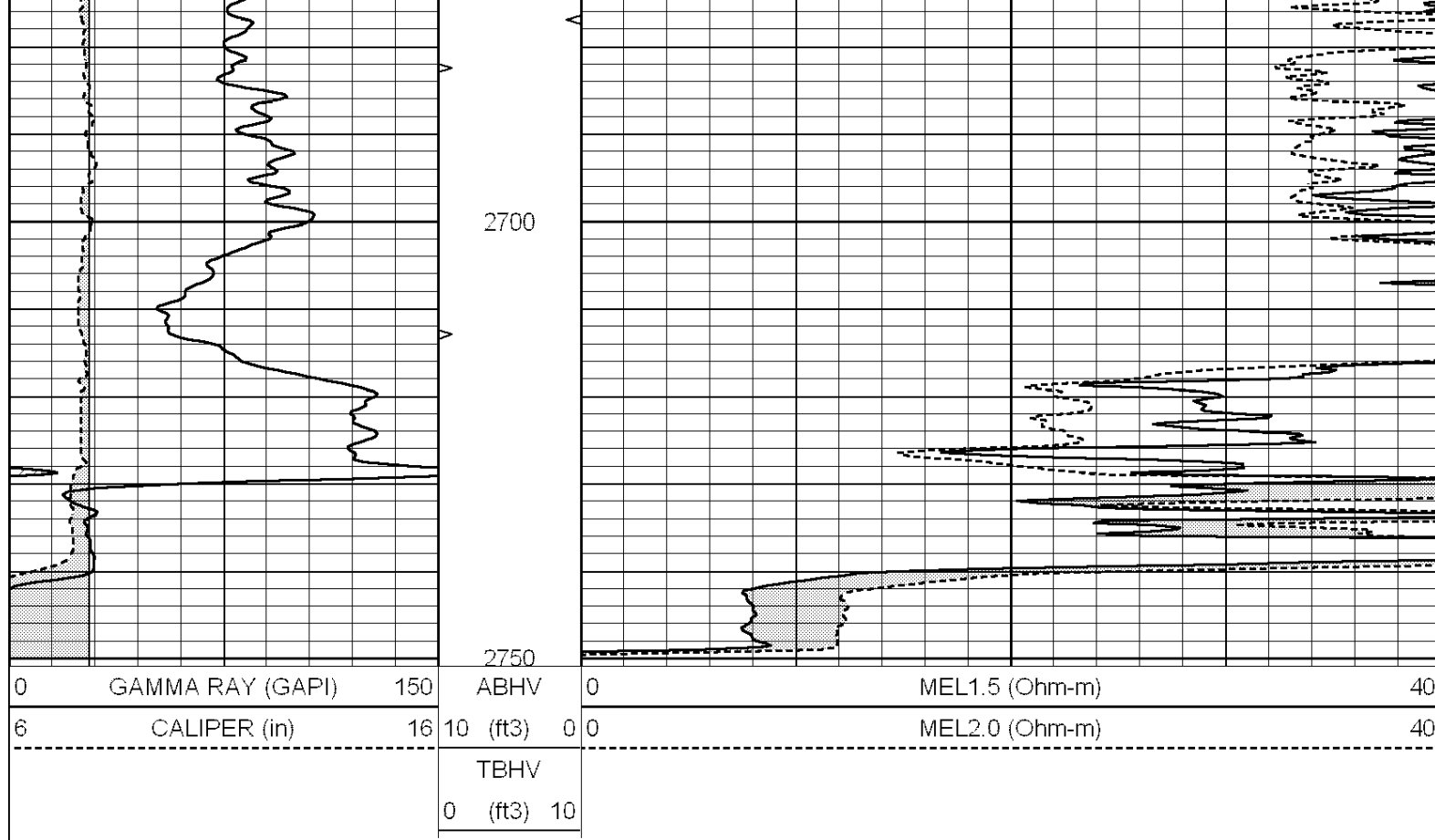
Hays,
Kansas

REPEAT SECTION

Database File: 005146ddn.db
Dataset Pathname: pass4.2
Presentation Format: _micro
Dataset Creation: Thu Jun 17 06:41:49 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: 005146ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Thu Jun 17 06:39:34 2010 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO3	
Tool Model:	PROBE	
Performed:	Thu Jun 17 05:48:35 2010	
Caliper Calibration:	Gain=2.969	Offset=-3.305
References	Low Cal	High Cal
Readings	8.375	13.250
	3.395	5.037
1.5" Calibration:	Gain=291.940	Offset=-3.025
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.223
2" Calibration:	Gain=290.050	Offset=-3.299
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:	Tue Nov 10 08:32:36 2009	
Calibrator Value:	150.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5535	GAPI/cps



SUPERIOR
Hays,
Kansas

MICRO
LOG

Company		PHILLIPS EXPLORATION CO., LC.	
Well		SCHOOT #1-7	
Field			
County		MORRIS	
State		KANSAS	
Company		PHILLIPS EXPLORATION COMPANY, LC	
Well		SCHOOT #1-7	
Field			
County		MORRIS	
State		KANSAS	
Location:		API # : 15-127-20585-0000	
Permanent Datum		GROUND LEVEL	
Log Measured From		KELLY BUSHING 10' A.G.L.	
Drilling Measured From		KELLY BUSHING	
SEC 7		TWP 15S	
RGE 8E		CDL/CNL	
Elevation		DIL	
K.B. 1383			
D.F. 1391			
G.L. 1383			
Date	6-17-10		
Run Number	TWO		
Depth Driller	2750		
Depth Logger	2747		
Bottom Logged Interval	2745		
Top Log Interval	800		
Casing Driller	8 5/8" @ 229		
Casing Logger	227		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3/42		
pH / Fluid Loss	10.5/9.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.36 @ 83F		
Rmf @ Meas. Temp	.27 @ 83F		
Rmc @ Meas. Temp	.43 @ 83F		
Source of Rmf / Rmc	MEASURED		
Rim @ BHT	.26 @ 114F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	680		
Location	HAYS, KANSAS		
Recorded By	JEFF GRONEMEG		
Witnessed By	BILL STOUT		

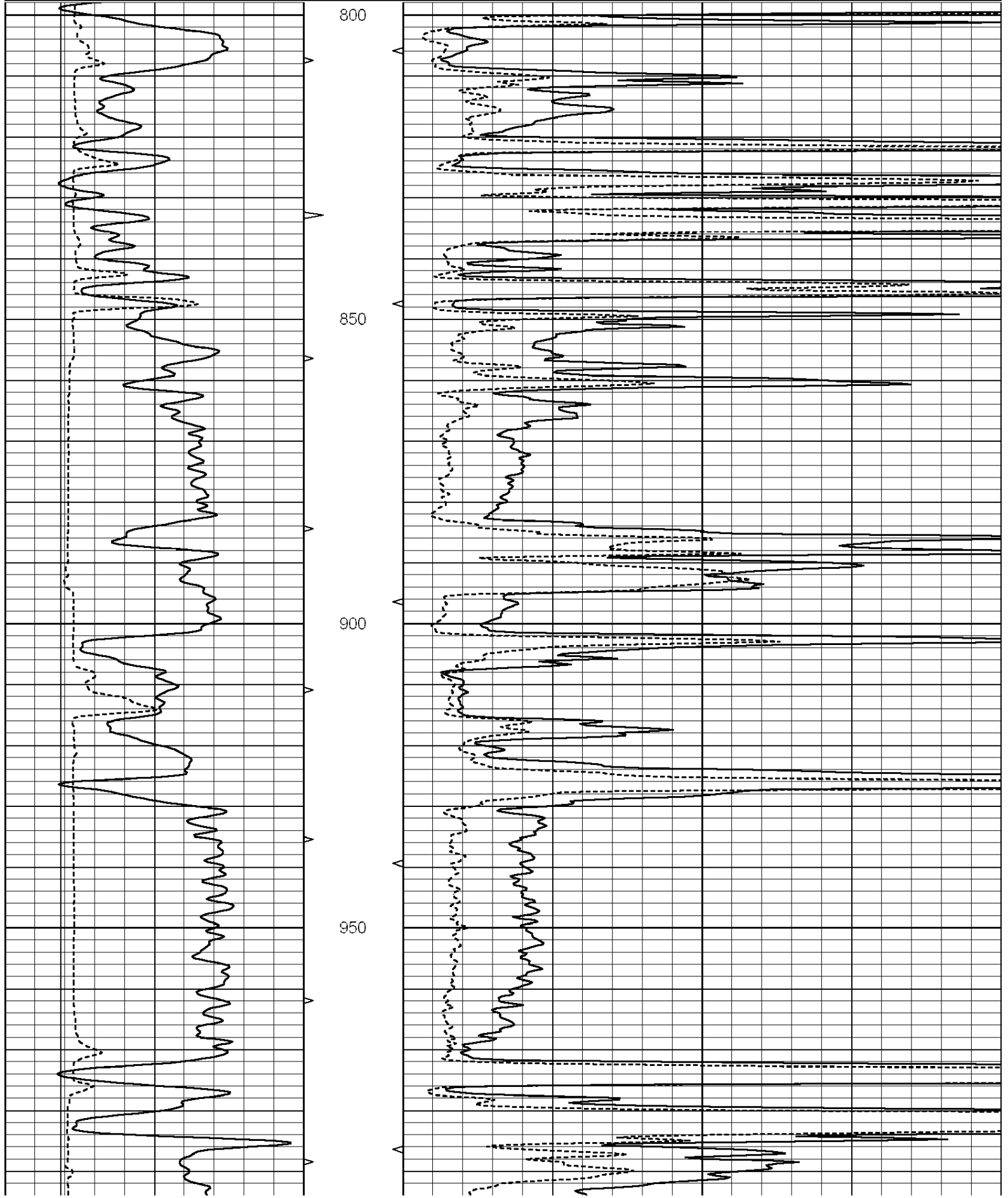
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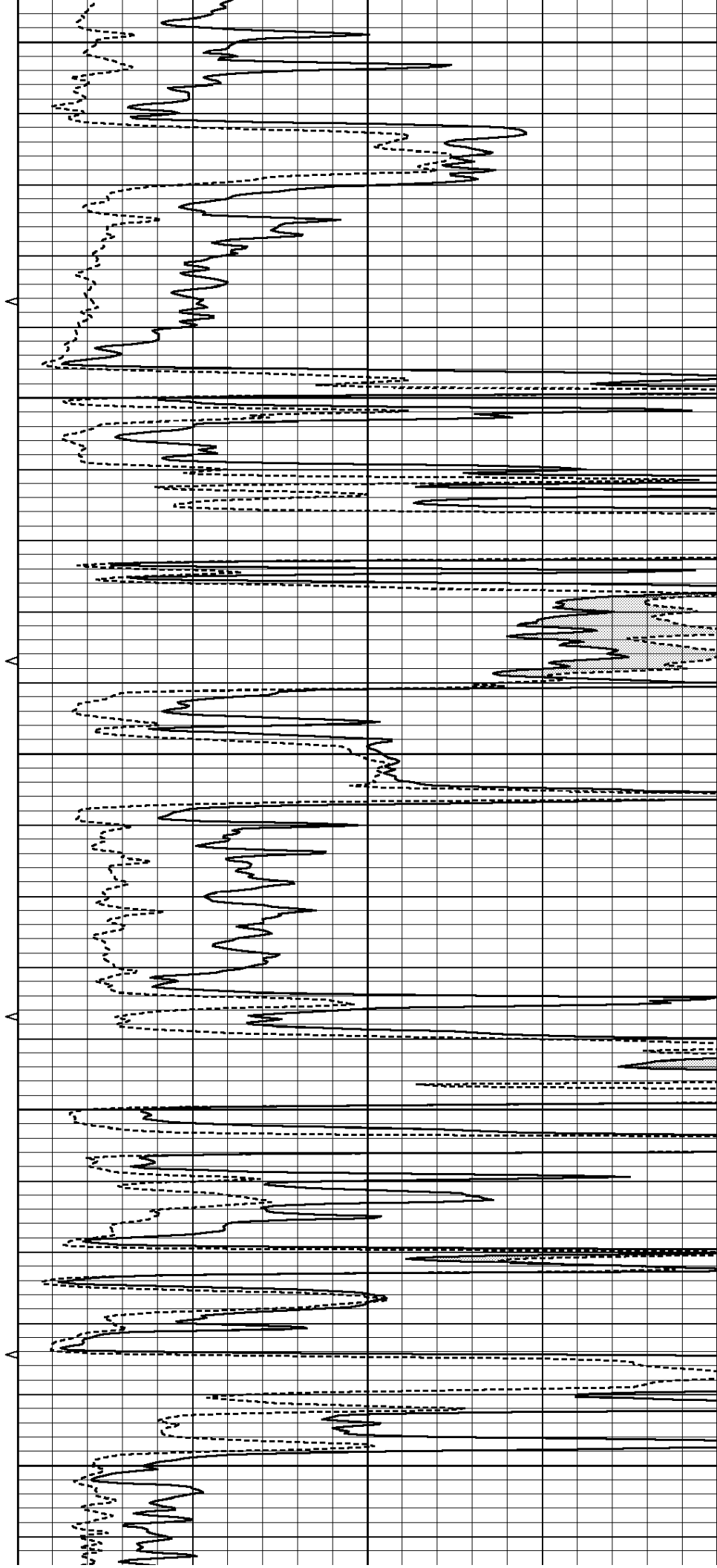
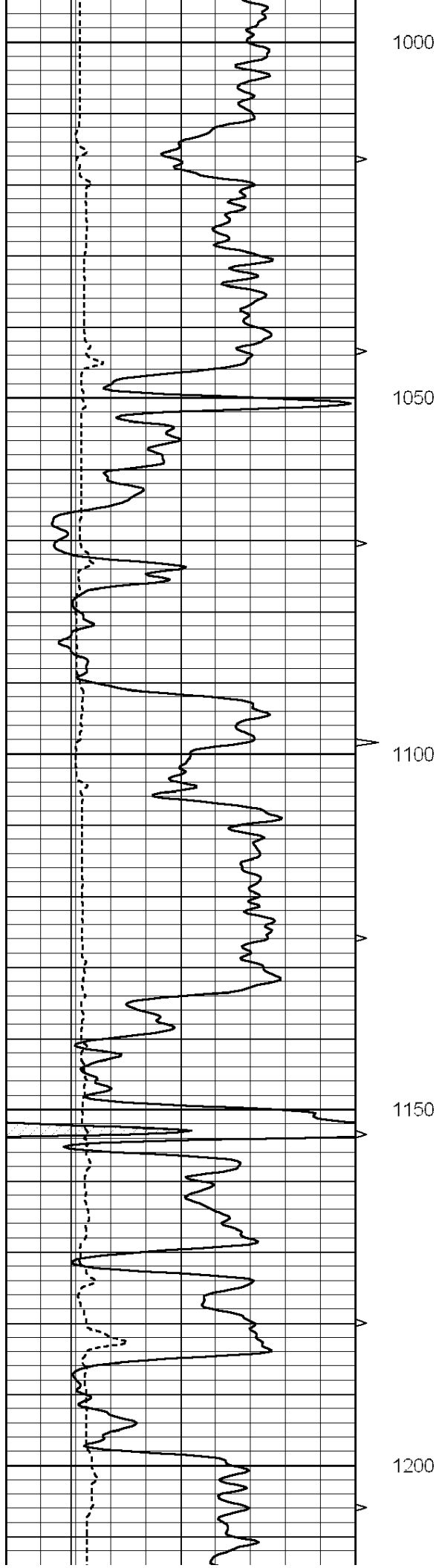
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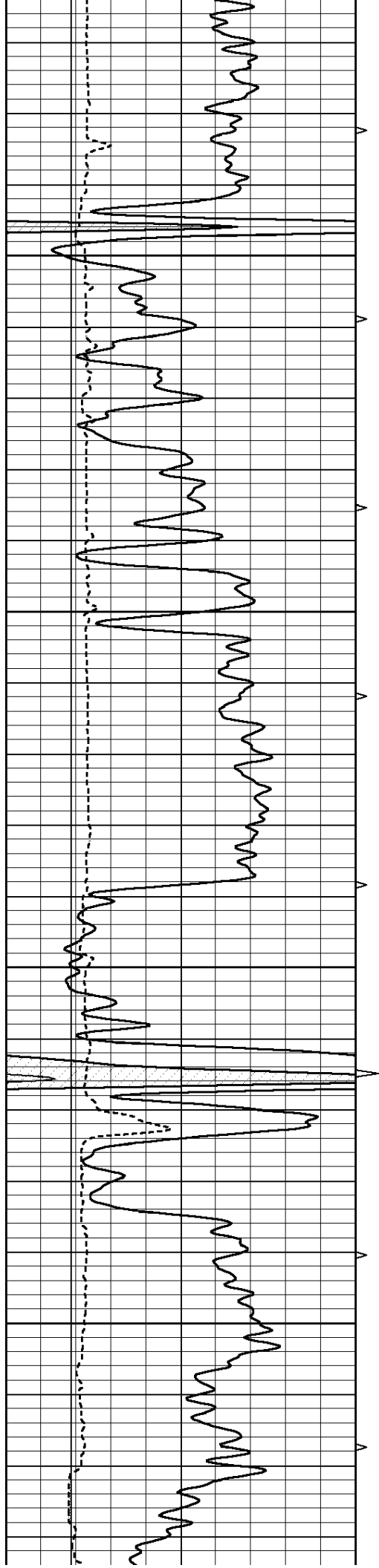
Comments

THANK YOU FOR USING SUPERIOR WELL SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
INTERSECTION OF I-70 & EXIT 313 - SOUTH TO MORRIS COUNTY LINE - SOUTH TO RD K
4 MILES WEST - 1/2 MILE NORTH - EAST INTO

Charted by: _____ Depth in Feet scaled 1:2.15						
0	GAMMA RAY (GAPI)	150	ABHV	0	MEL1.5 (Ohm-m)	40
6	CALIPER (in)	16	10 (ft3)	0 0	MEL2.0 (Ohm-m)	40
			TBHV			
			0 (ft3)			
			10			





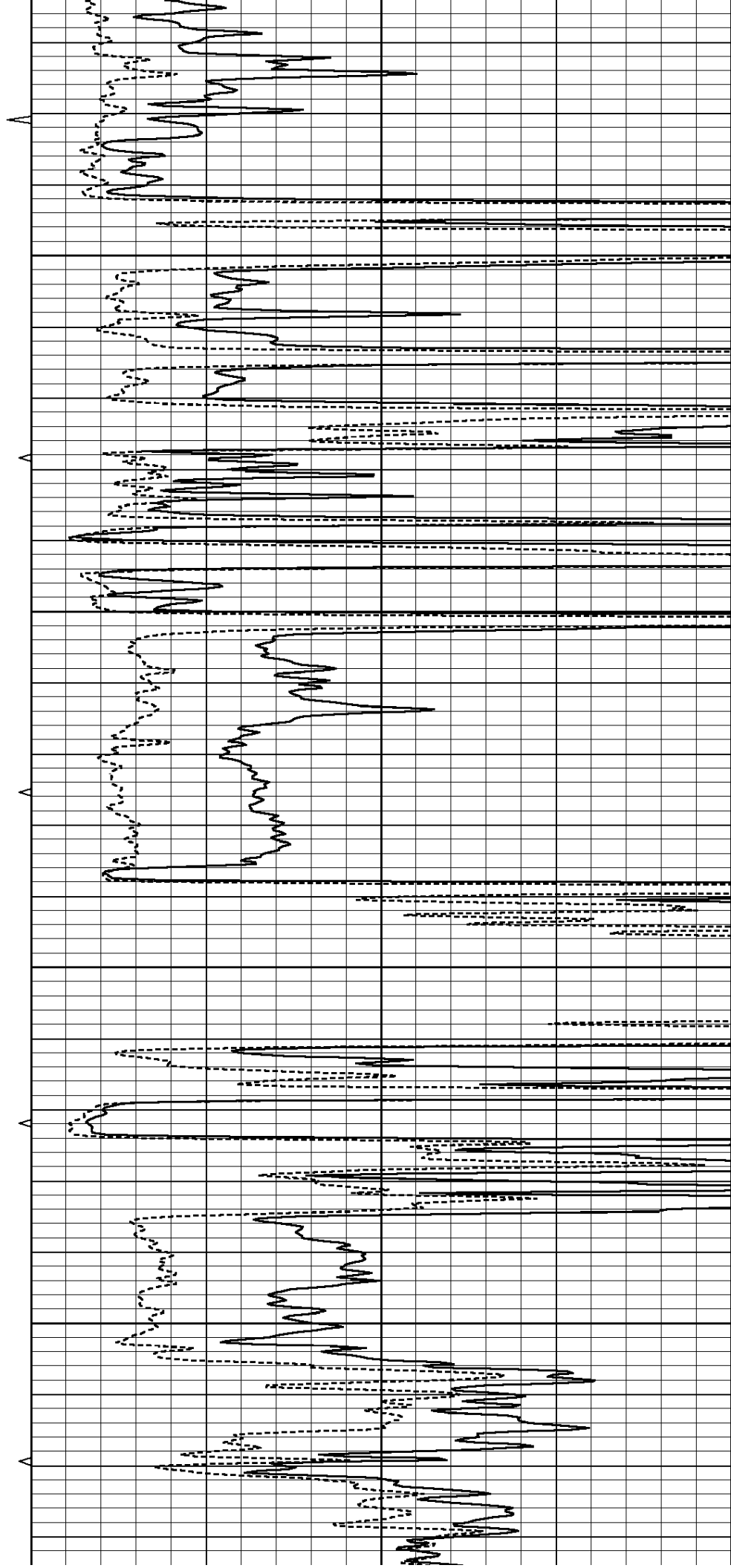


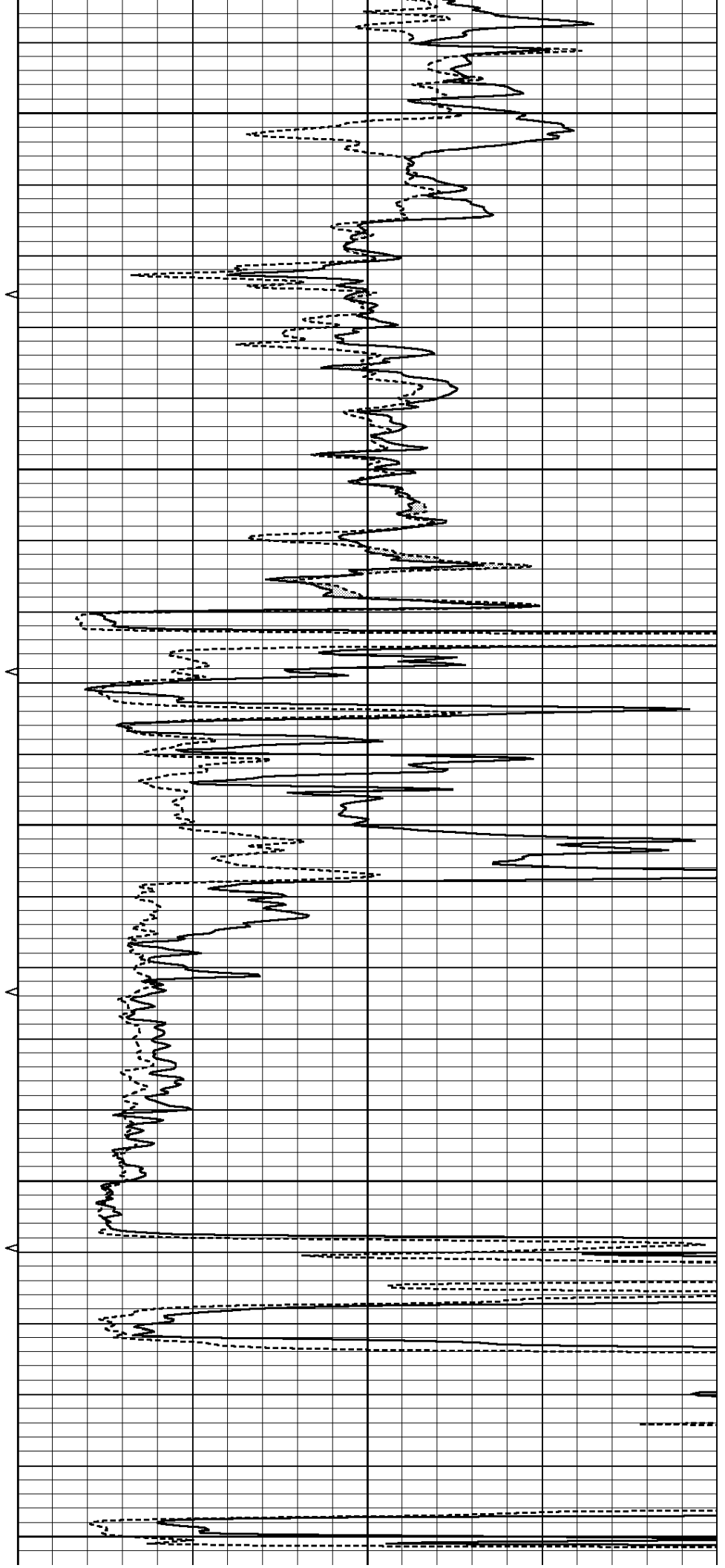
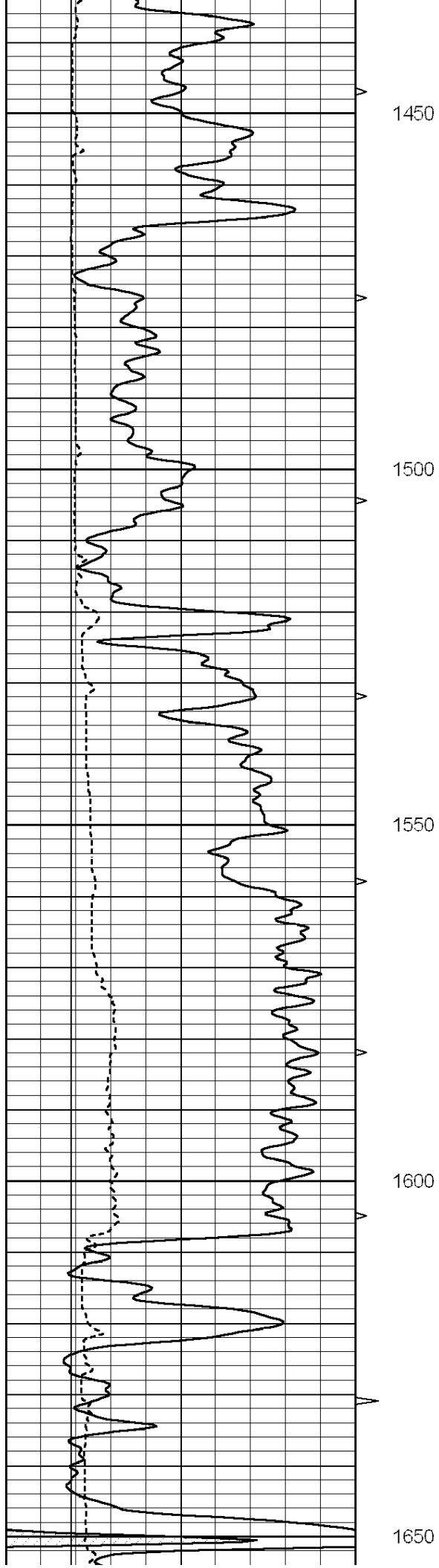
1250

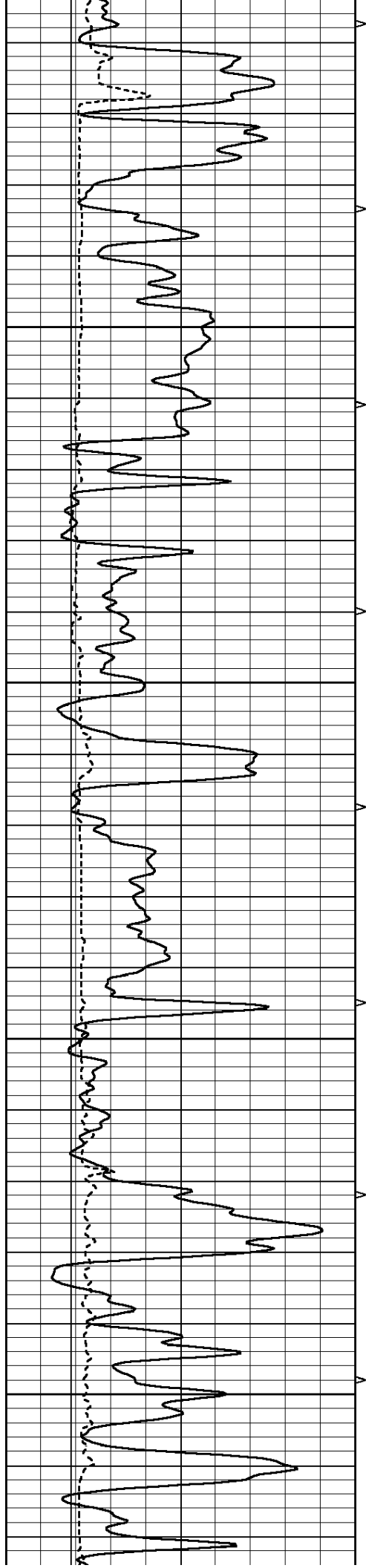
1300

1350

1400





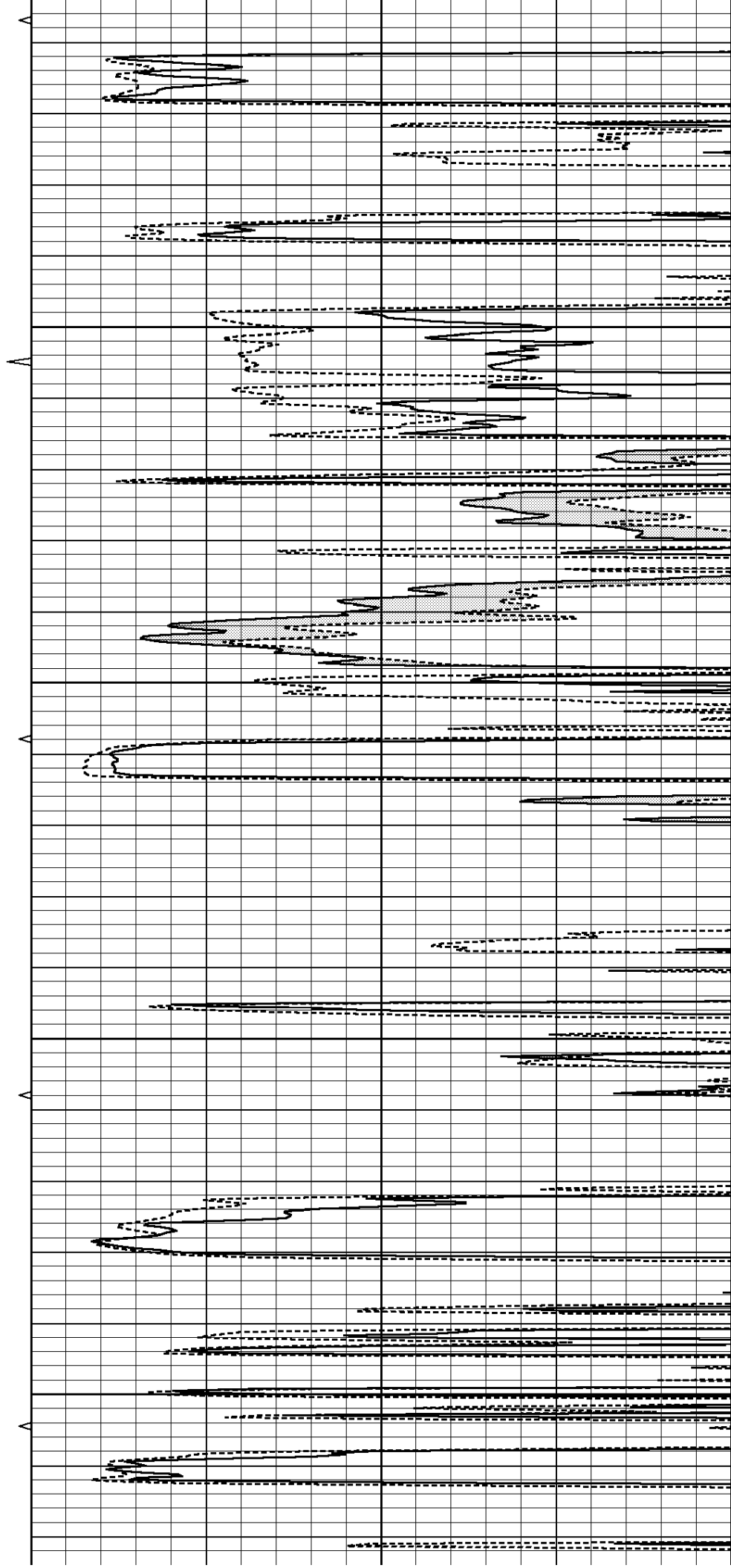


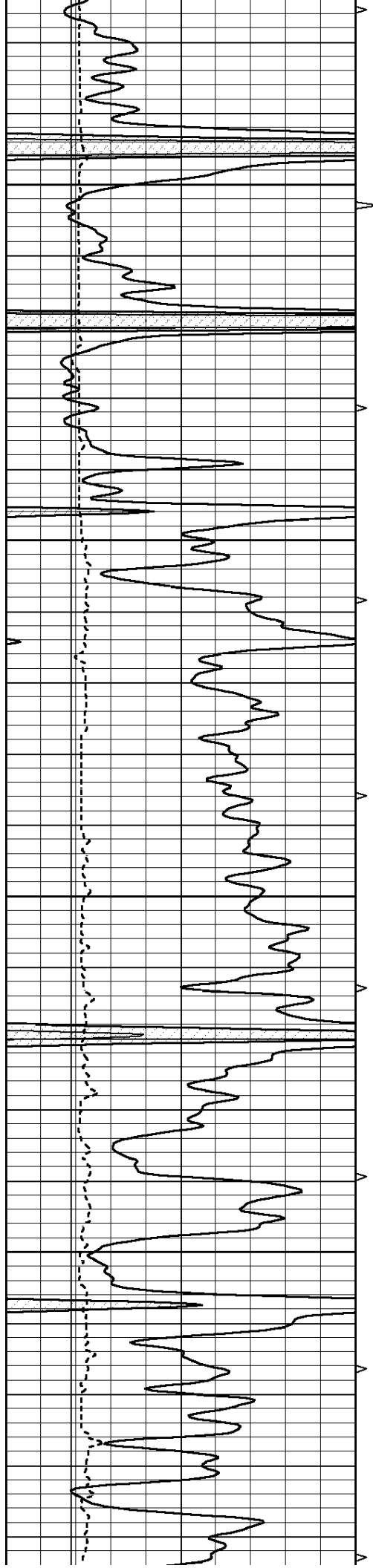
1700

1750

1800

1850



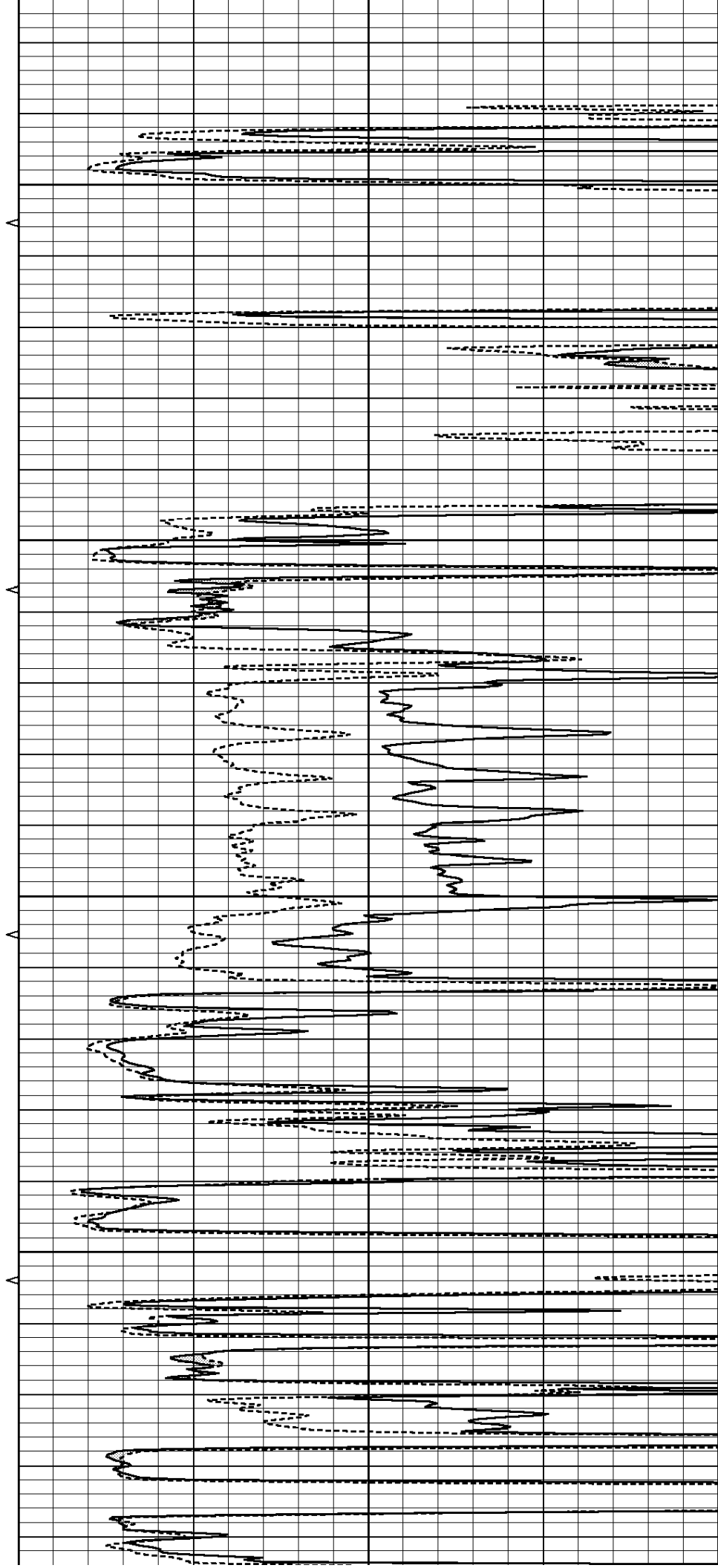


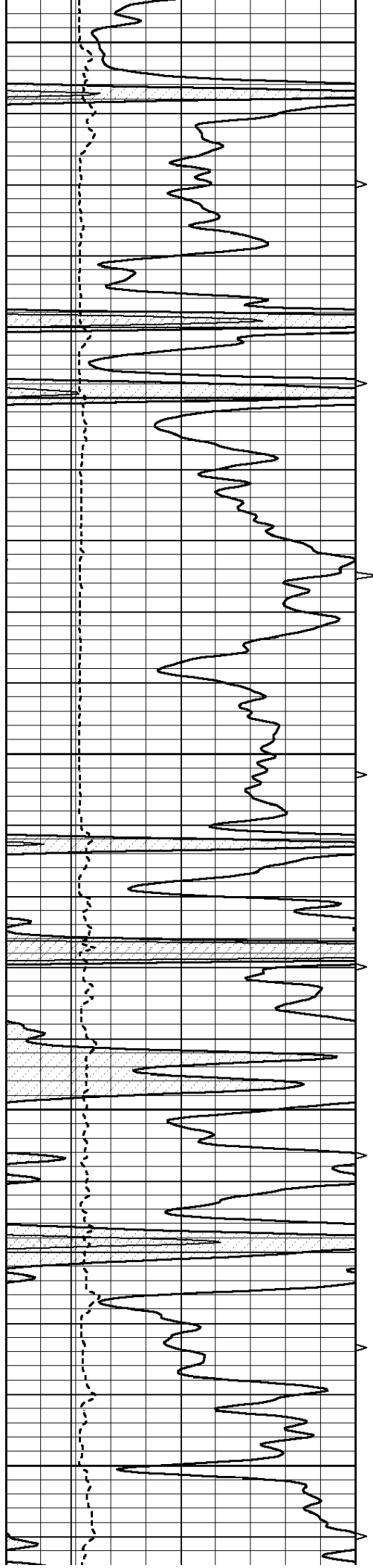
1900

1950

2000

2050





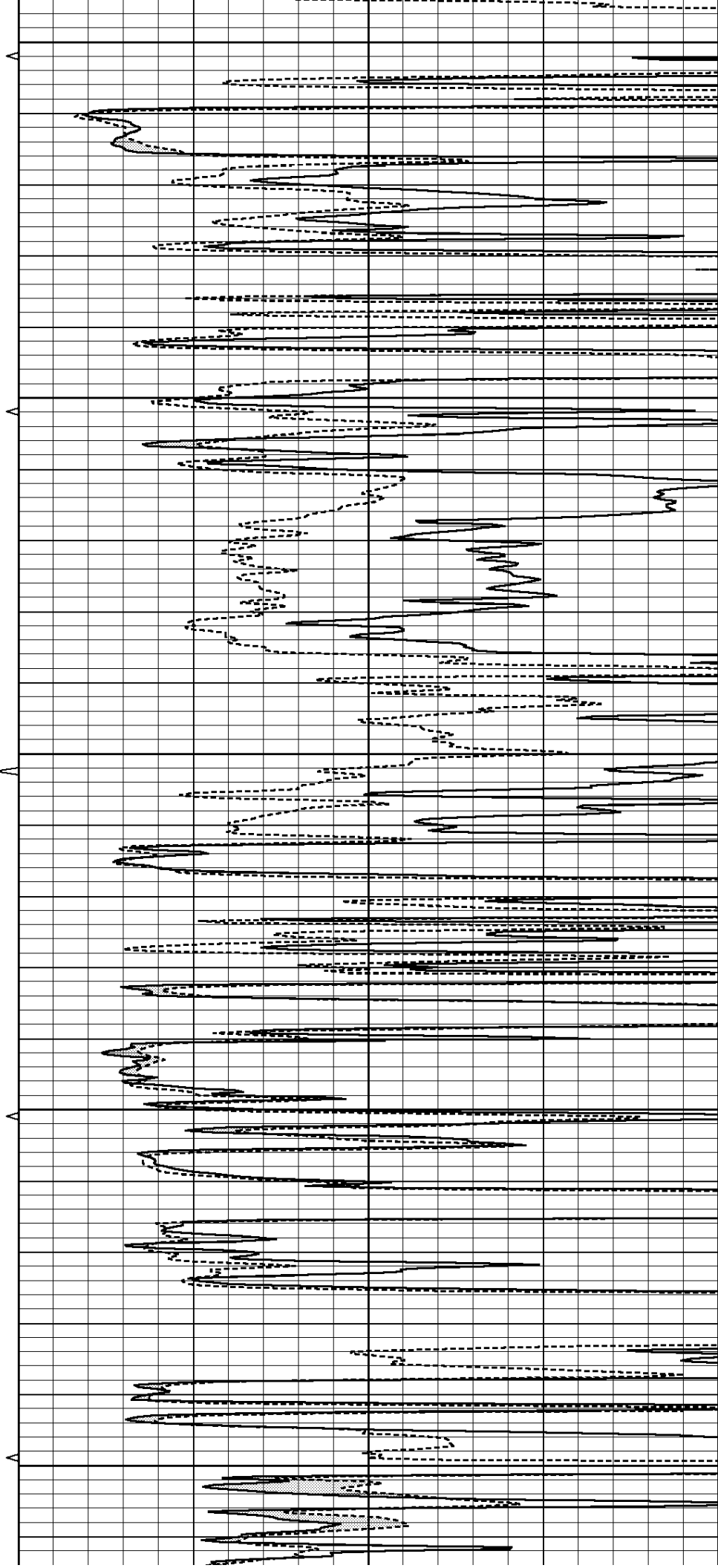
2100

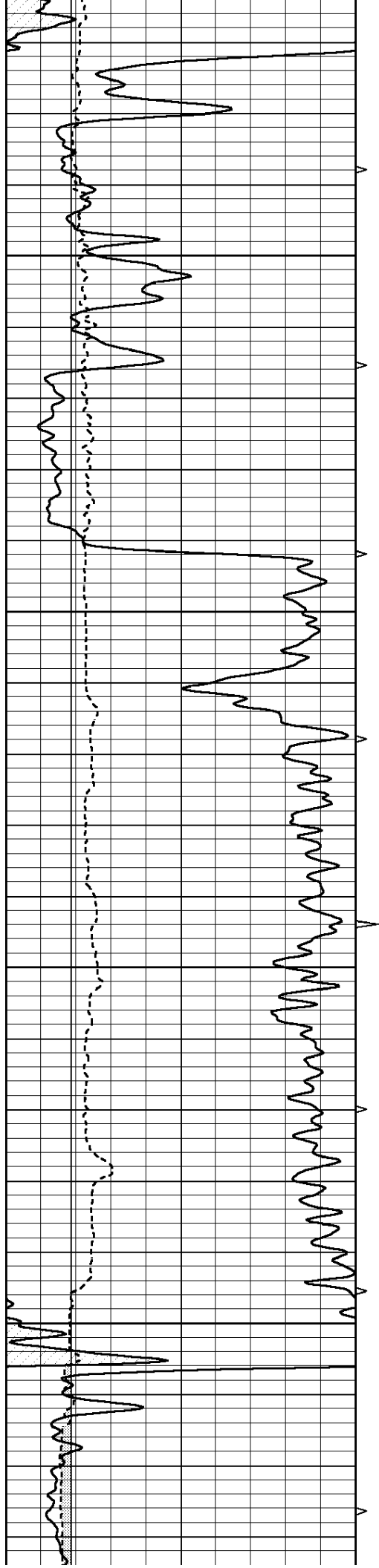
2150

2200

2250

2300



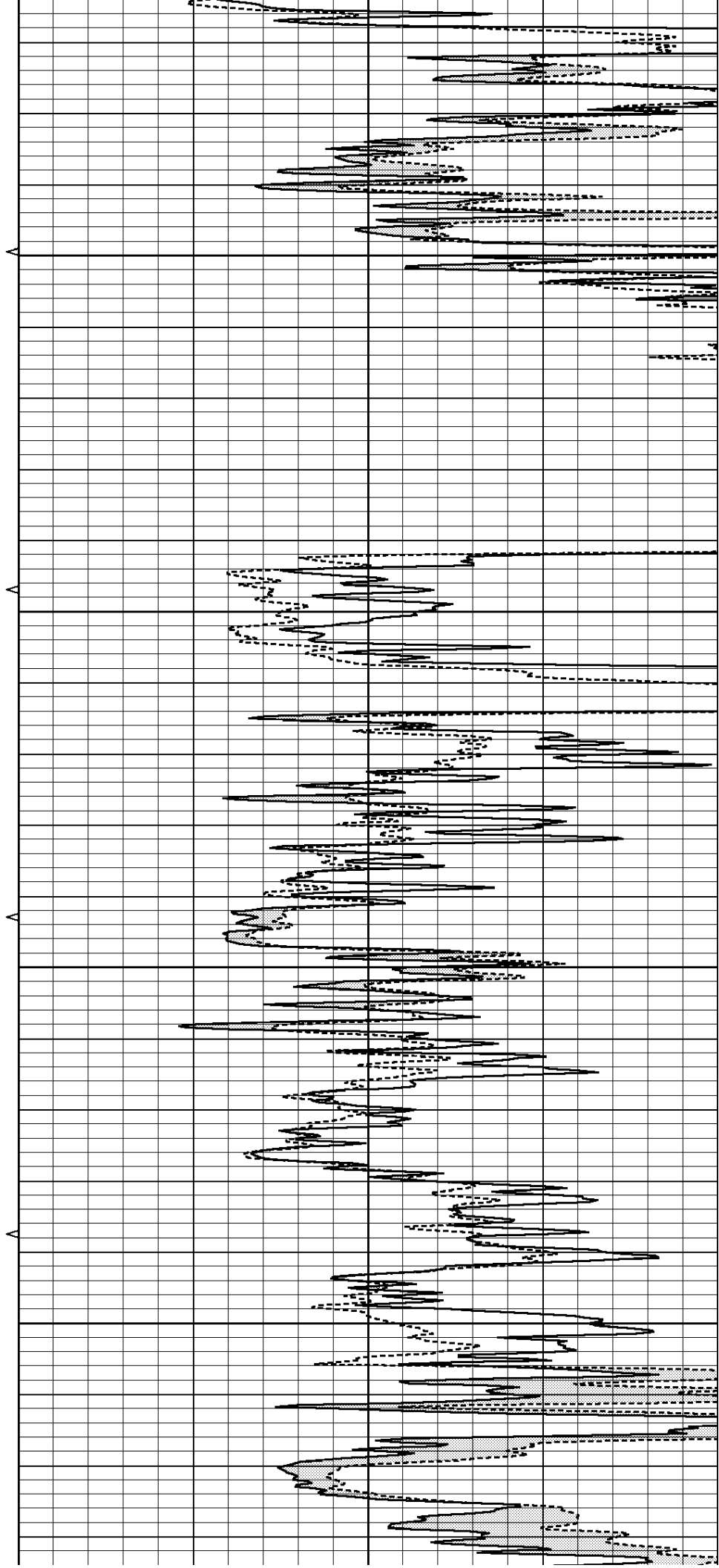


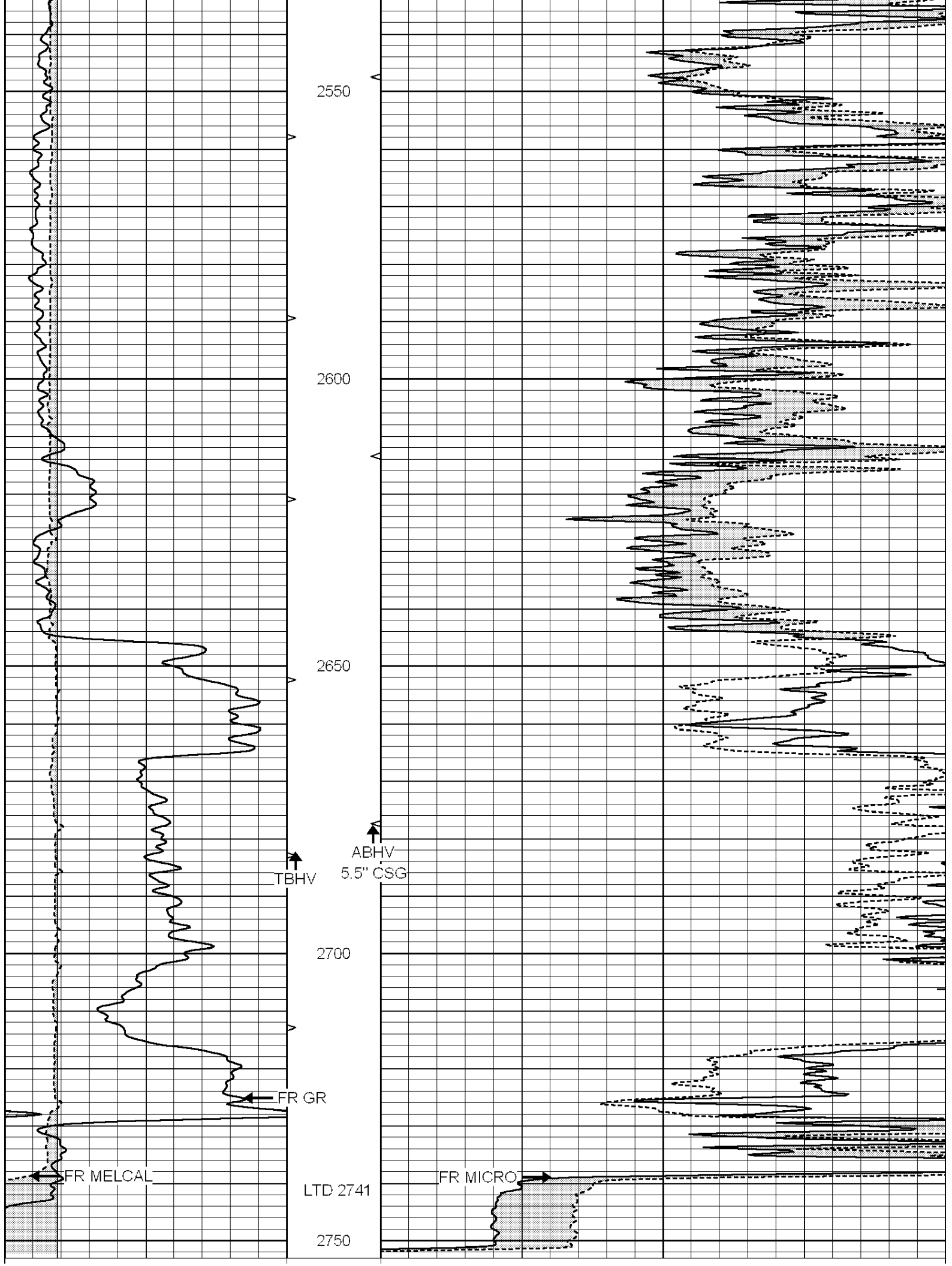
2350

2400

2450

2500





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		



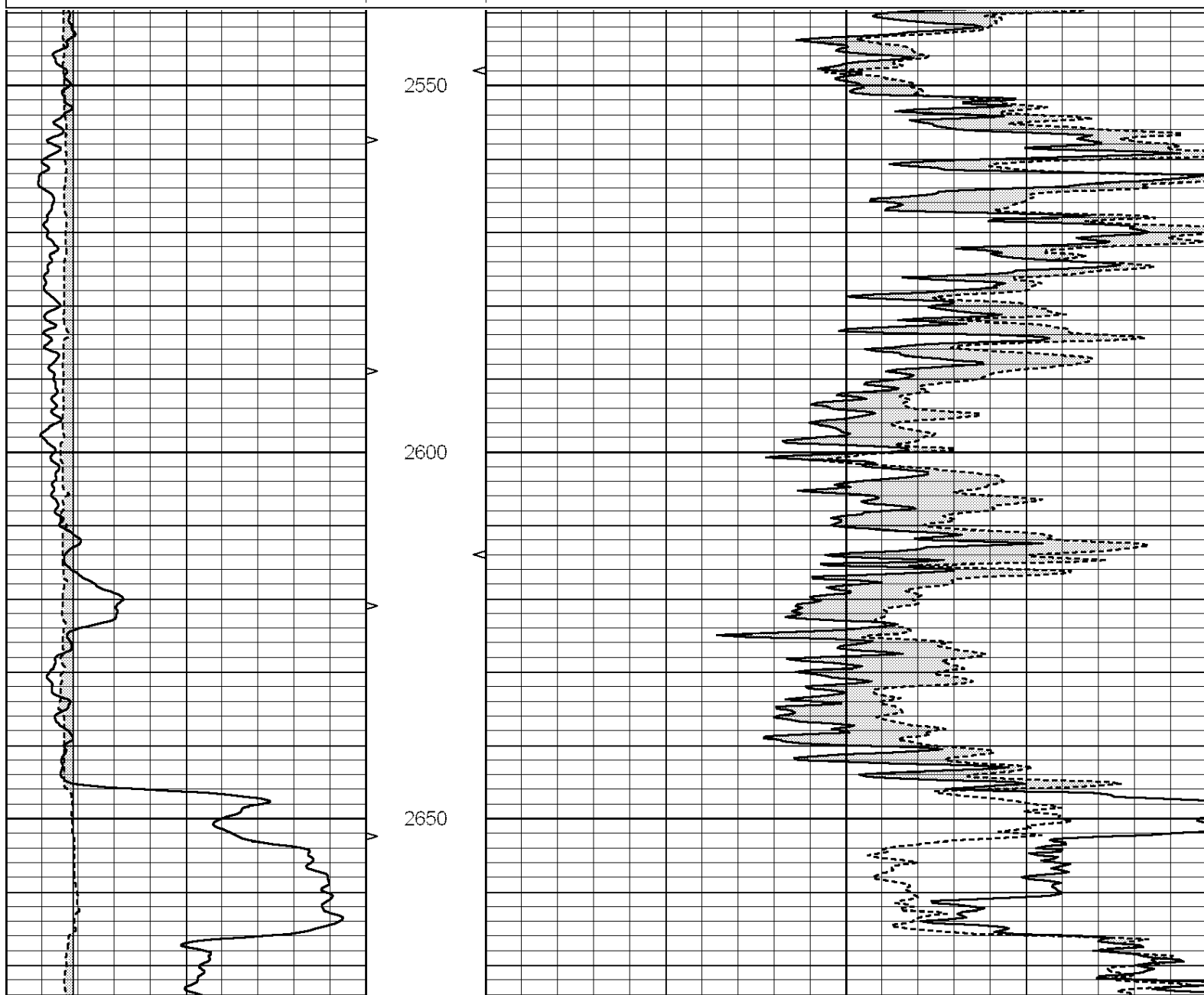
SUPERIOR

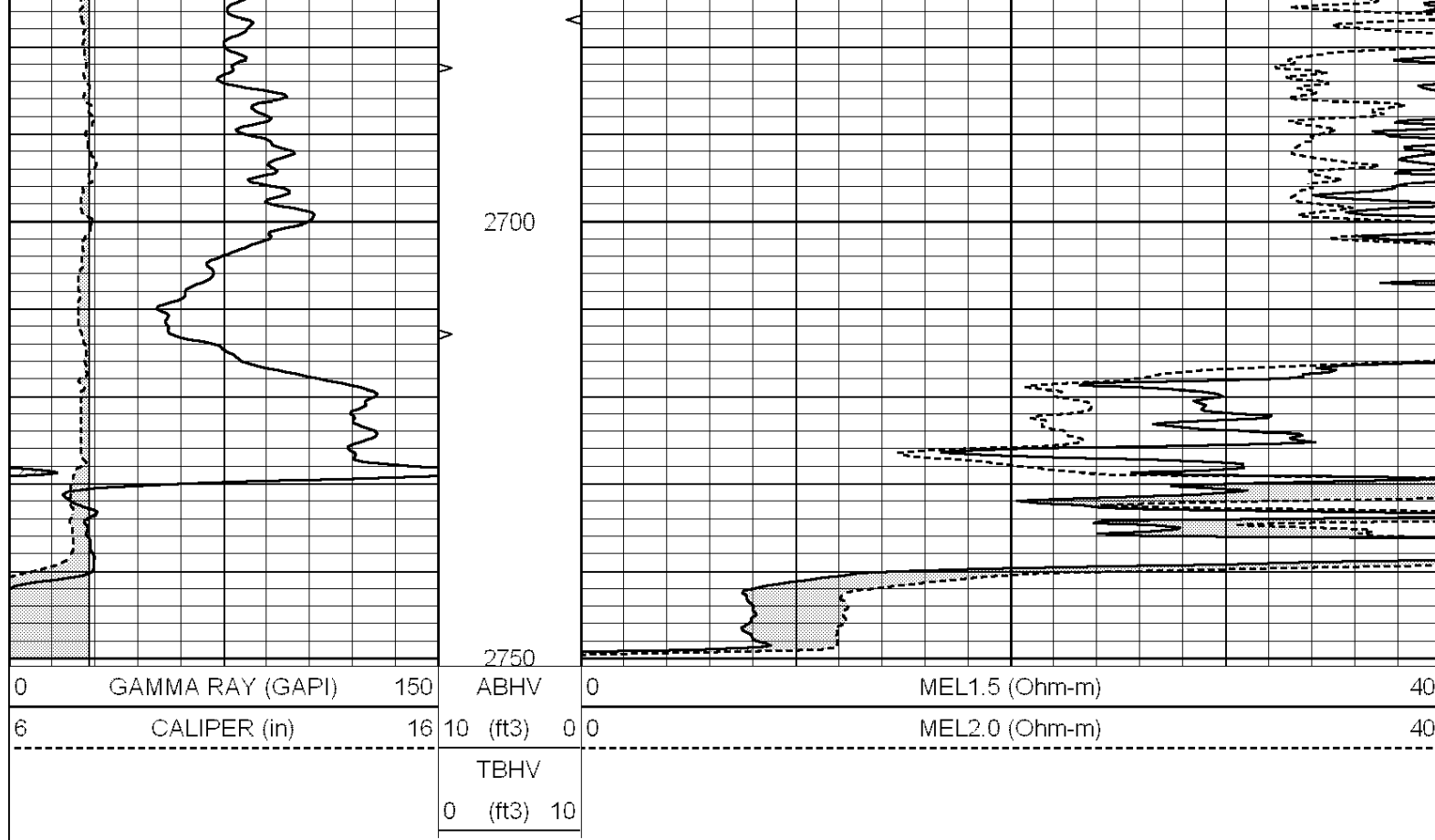
Hays,
Kansas

REPEAT SECTION

Database File: 005146ddn.db
Dataset Pathname: pass4.2
Presentation Format: _micro
Dataset Creation: Thu Jun 17 06:41:49 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: 005146ddn.db
 Dataset Pathname: pass5.1
 Dataset Creation: Thu Jun 17 06:39:34 2010 by Calc Open-Cased 090629

MICRO Calibration Report

Serial Number:	MICRO3	
Tool Model:	PROBE	
Performed:	Thu Jun 17 05:48:35 2010	
Caliper Calibration:	Gain=2.969	Offset=-3.305
References	Low Cal	High Cal
Readings	8.375	13.250
	3.395	5.037
1.5" Calibration:	Gain=291.940	Offset=-3.025
References	Low Cal	High Cal
Readings	0.000	20.000
	0.006	0.223
2" Calibration:	Gain=290.050	Offset=-3.299
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:	Tue Nov 10 08:32:36 2009	
Calibrator Value:	150.0	GAPI

Background Reading:	0.0	cps
Calibrator Reading:	276.0	cps
Sensitivity:	0.5535	GAPI/cps