



**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: \_\_\_\_\_



1047509

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
---	---

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

December 07, 2010

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

Re: ACO1  
API 15-007-23566-00-00  
Ladner 1  
SW/4 Sec.35-34S-12W  
Barber County, Kansas

Dear Production Department:

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

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

Respectfully,  
Tim Hellman



**SUPERIOR**  
Hays,  
Kansas

**SONIC**  
LOG

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

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

Location: API # : 15-007-23566-0000  
600' FSL & 2260' FWL  
SEC 35 TWP 34S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1417  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
DIL/MEL  
Elevation  
K.B. 1430  
D.F. 1428  
G.L. 1417

Date	8/15/10
Run Number	TWO
Depth Driller	5220
Depth Logger	5222
Bottom Logged Interval	5209
Top Log Interval	3600
Casing Driller	10 3/4" @ 260'
Casing Logger	260
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/49
pH / Fluid Loss	10.5/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.600 @ 99F
Rmf @ Meas. Temp	.450 @ 99F
Rmc @ Meas. Temp	.720 @ 99F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.468 @ 127F
Time Circulation Stopped	5.5 HOURS
Time Logger on Bottom	2:20 P.M.
Maximum Recorded Temperature	127F
Equipment Number	0836
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JOE BAKER

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

**Comments**

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE, KS., 16S. ON HWY 281 TO MM #8, (RATTLESNAKE TRAIL RD.) 1W., 1S., 1W., N. INTO

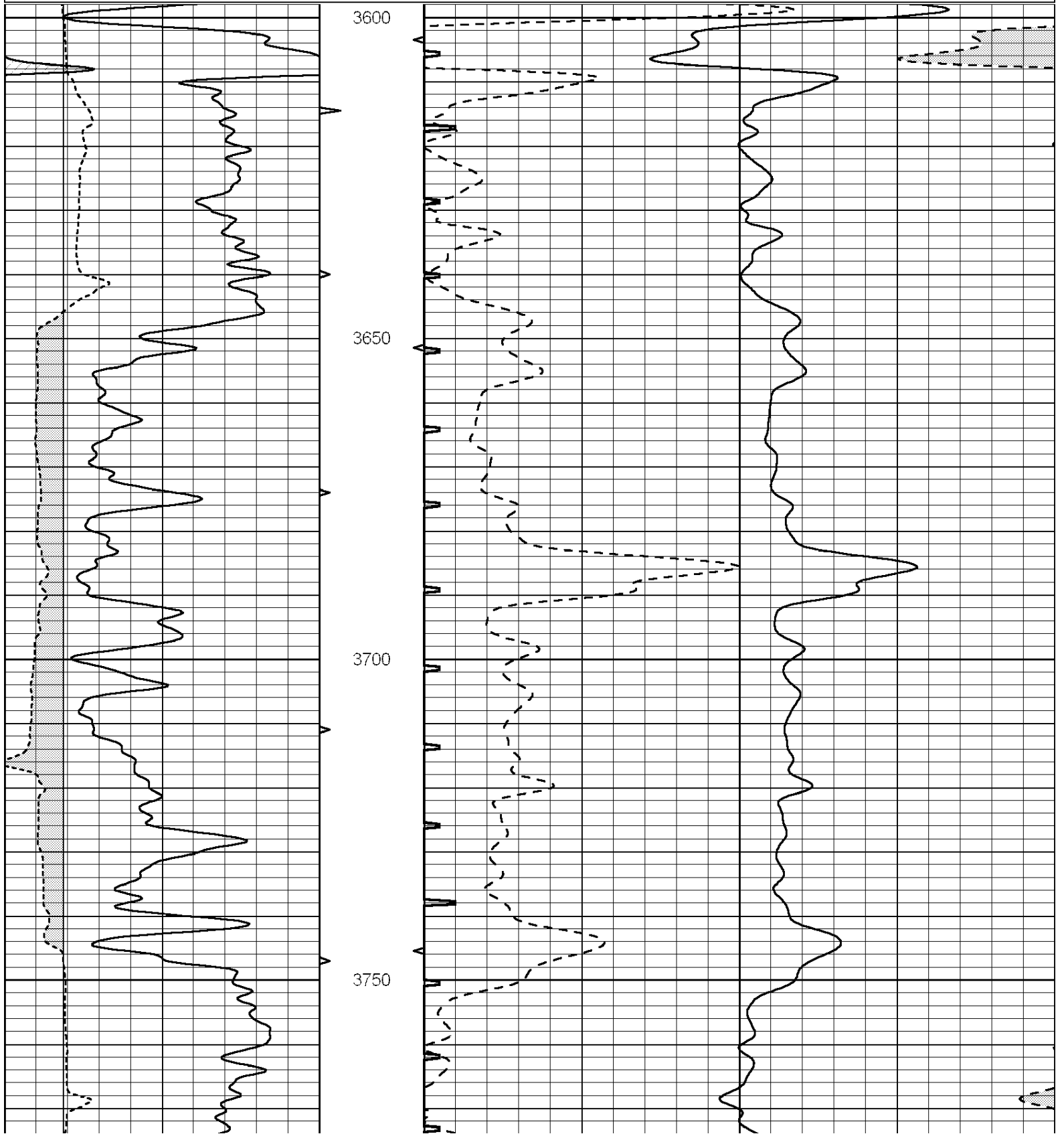


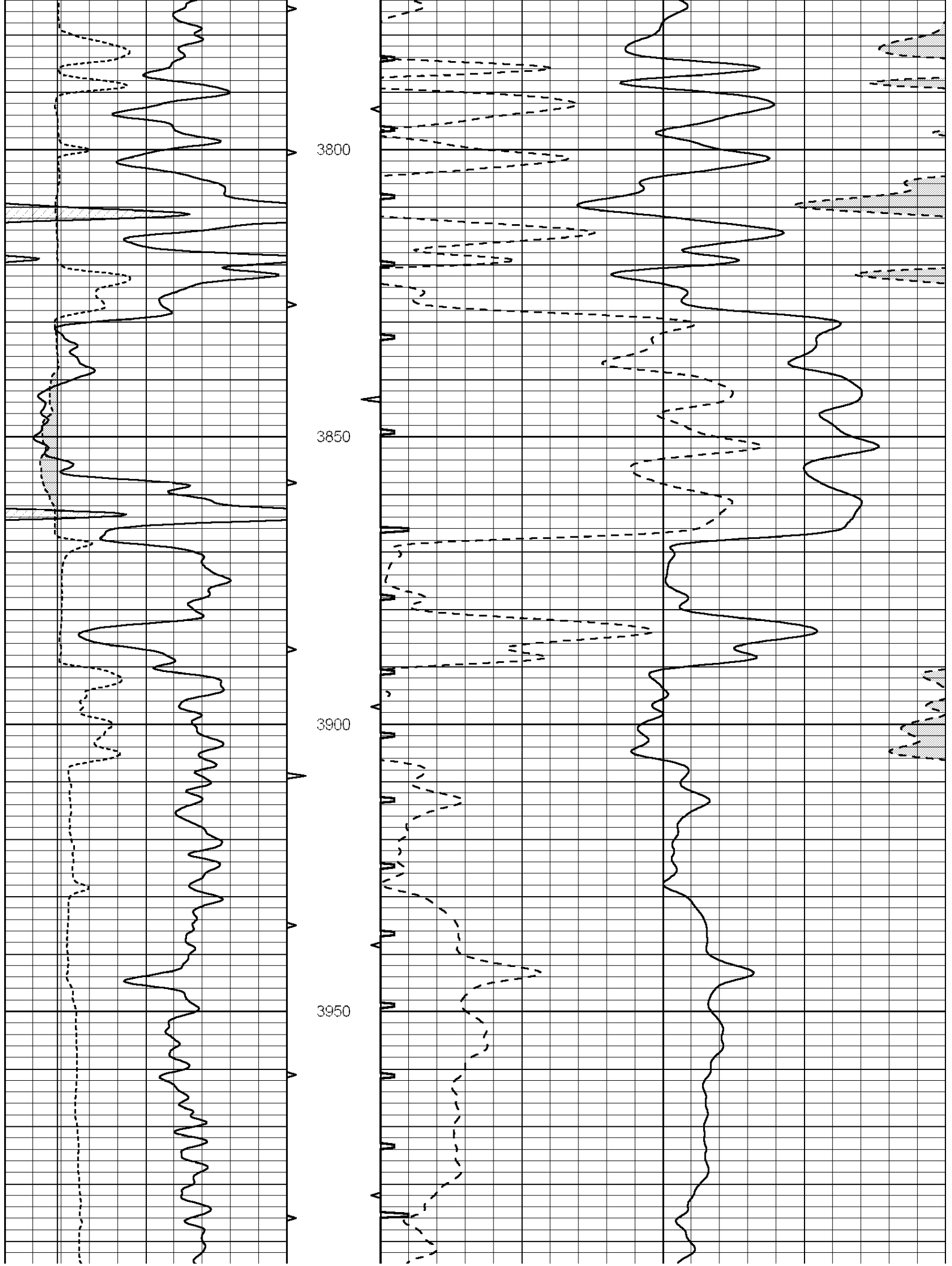
**SUPERIOR**  
Hays,  
Kansas

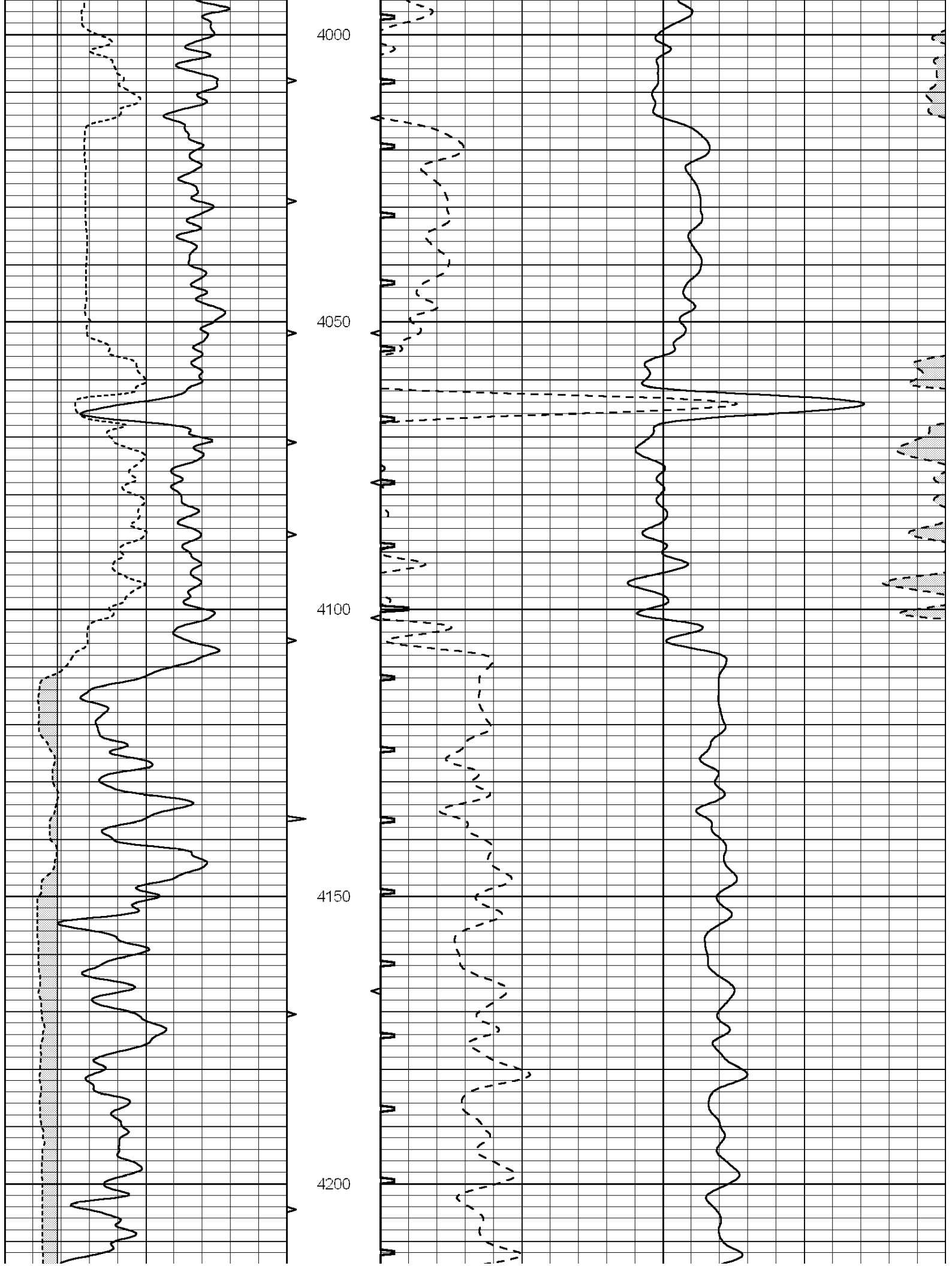
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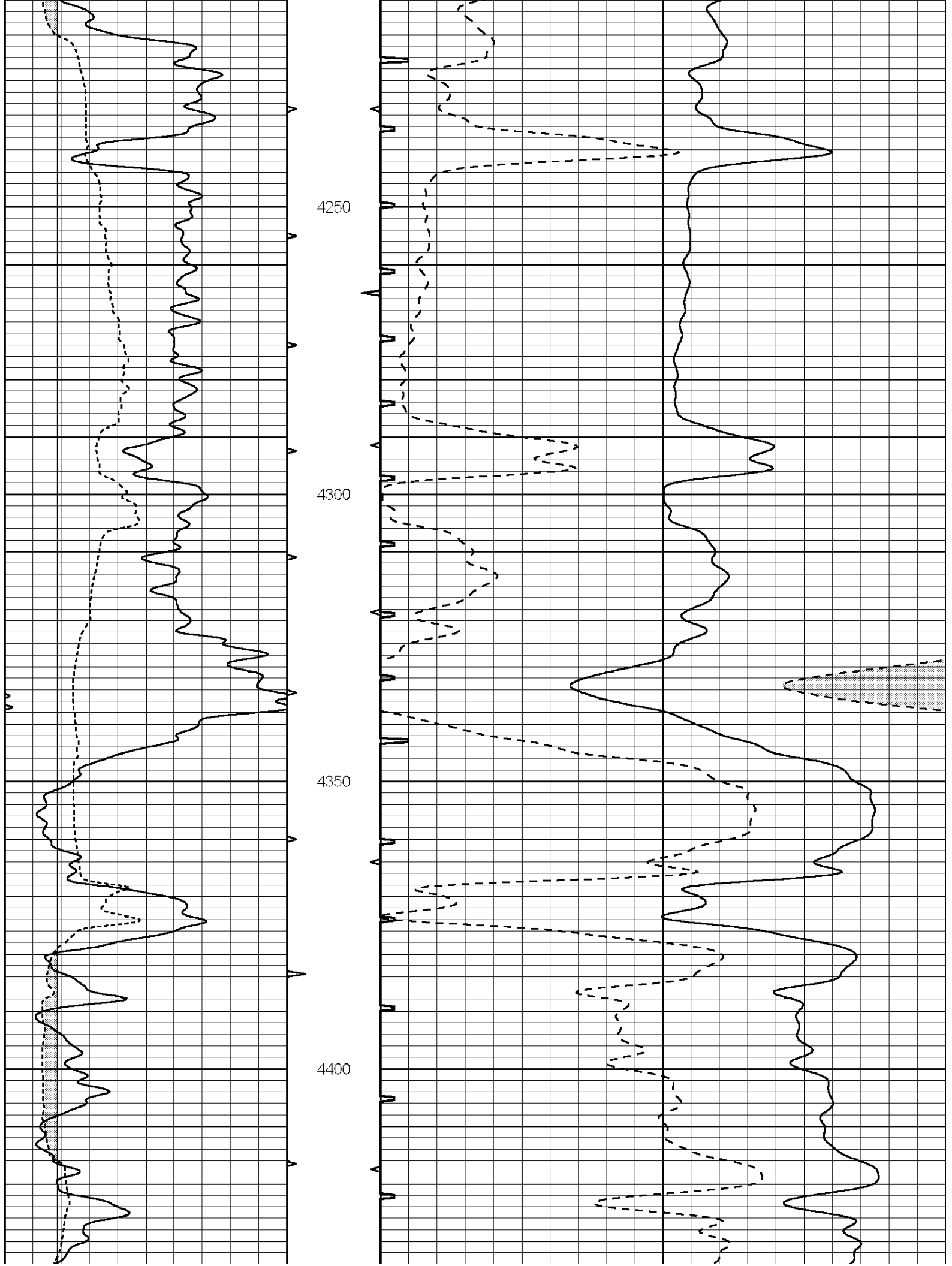
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 Charted by: Depth in Feet scaled 1:240

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

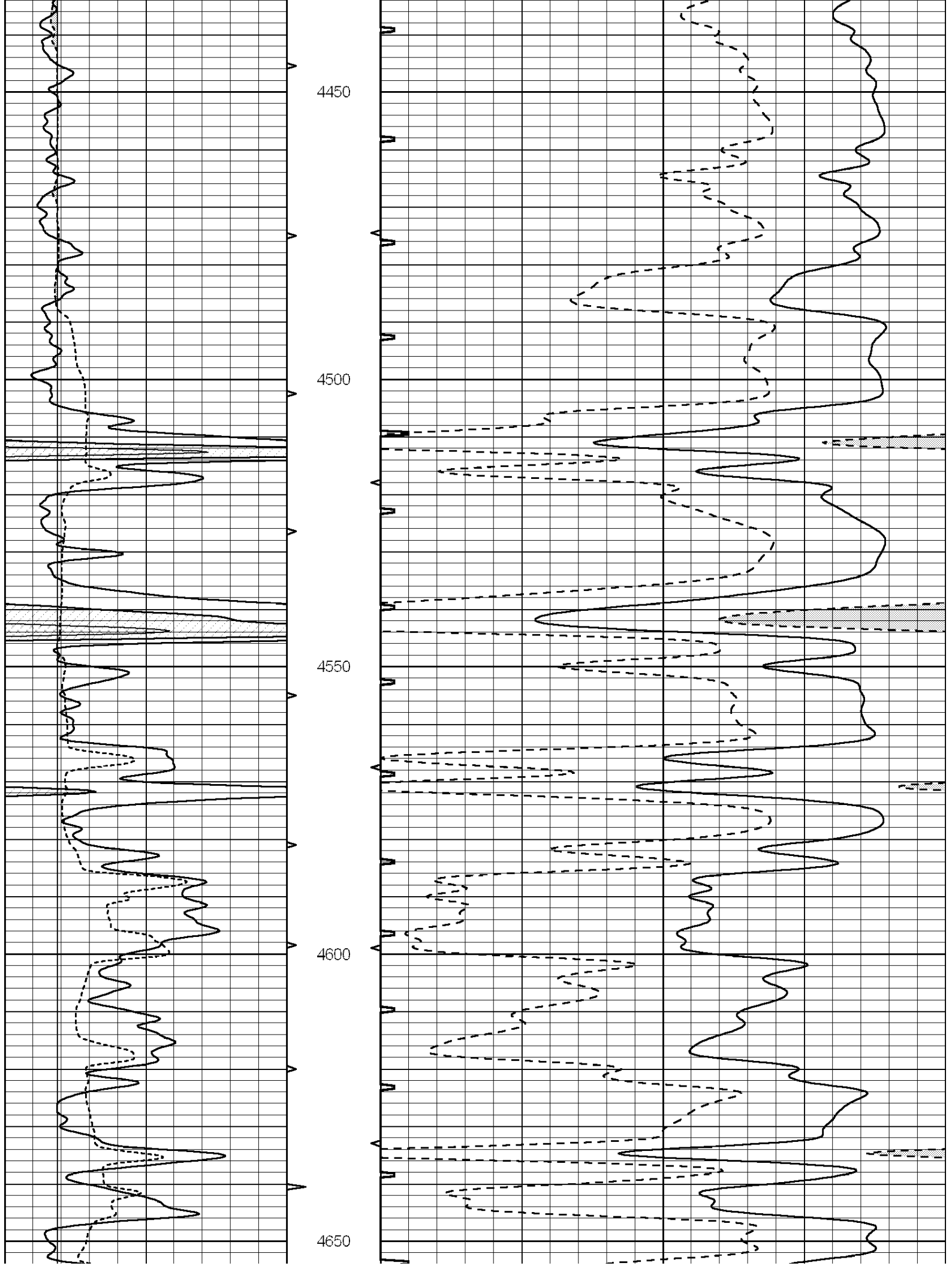


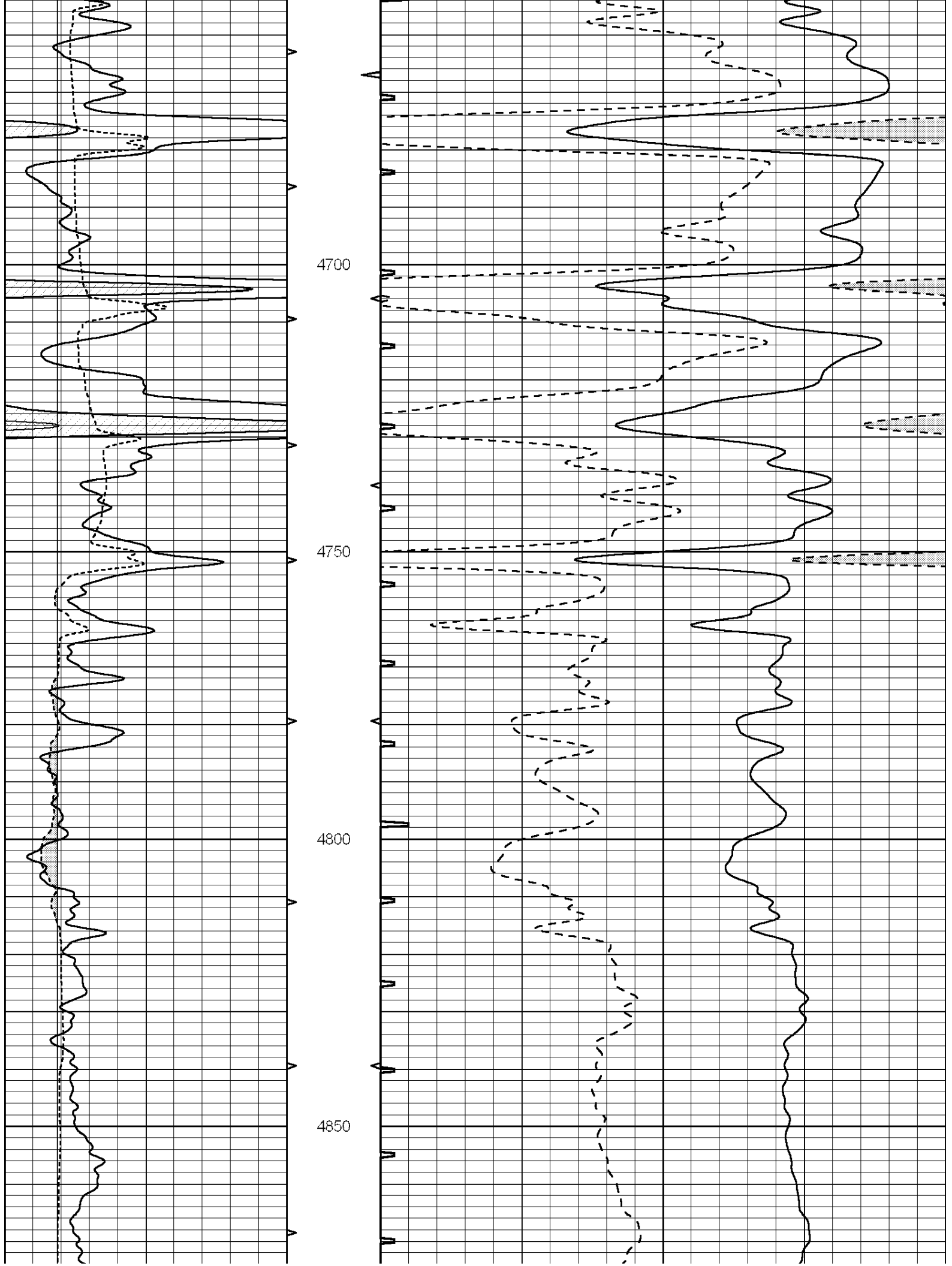


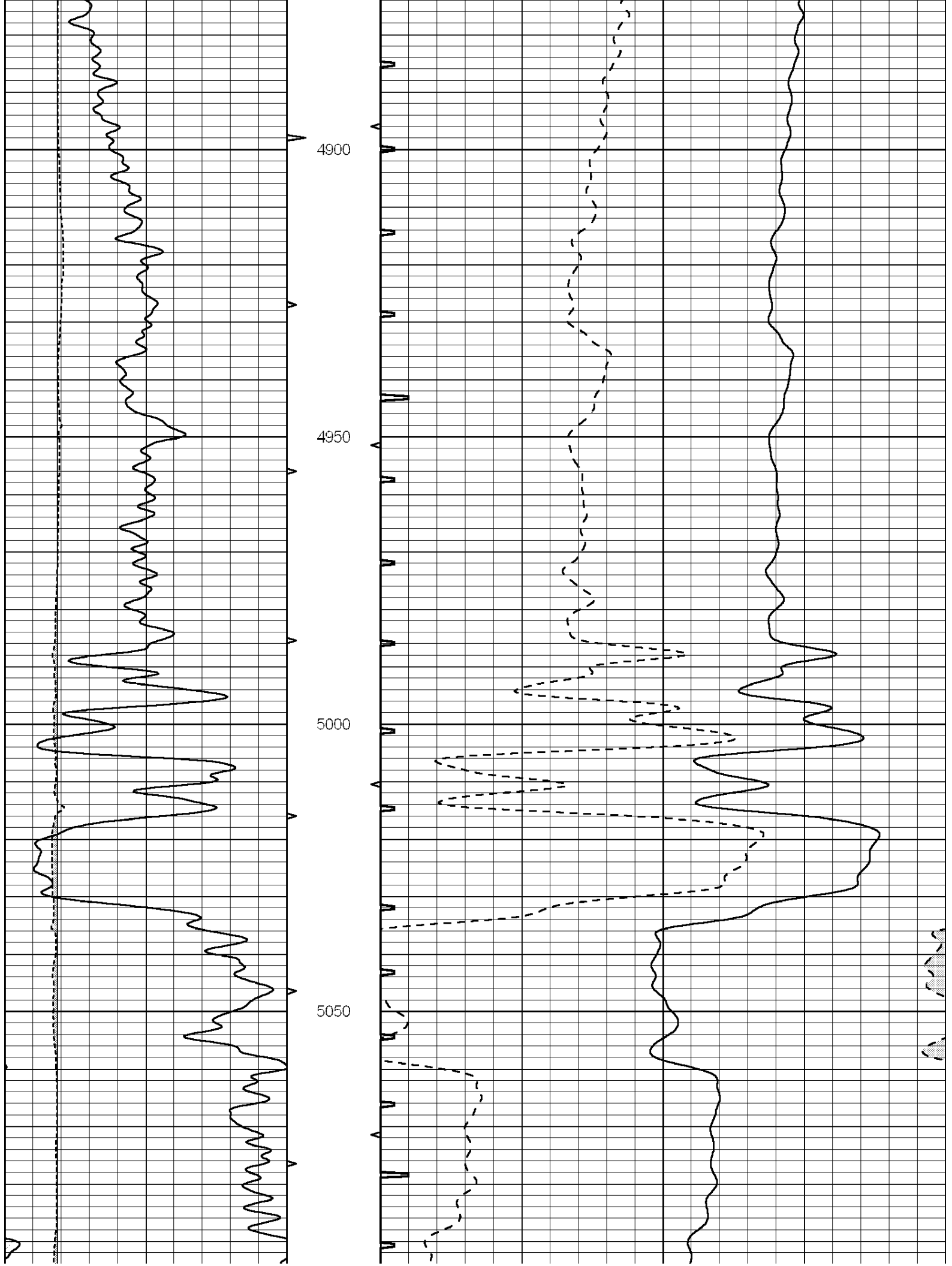


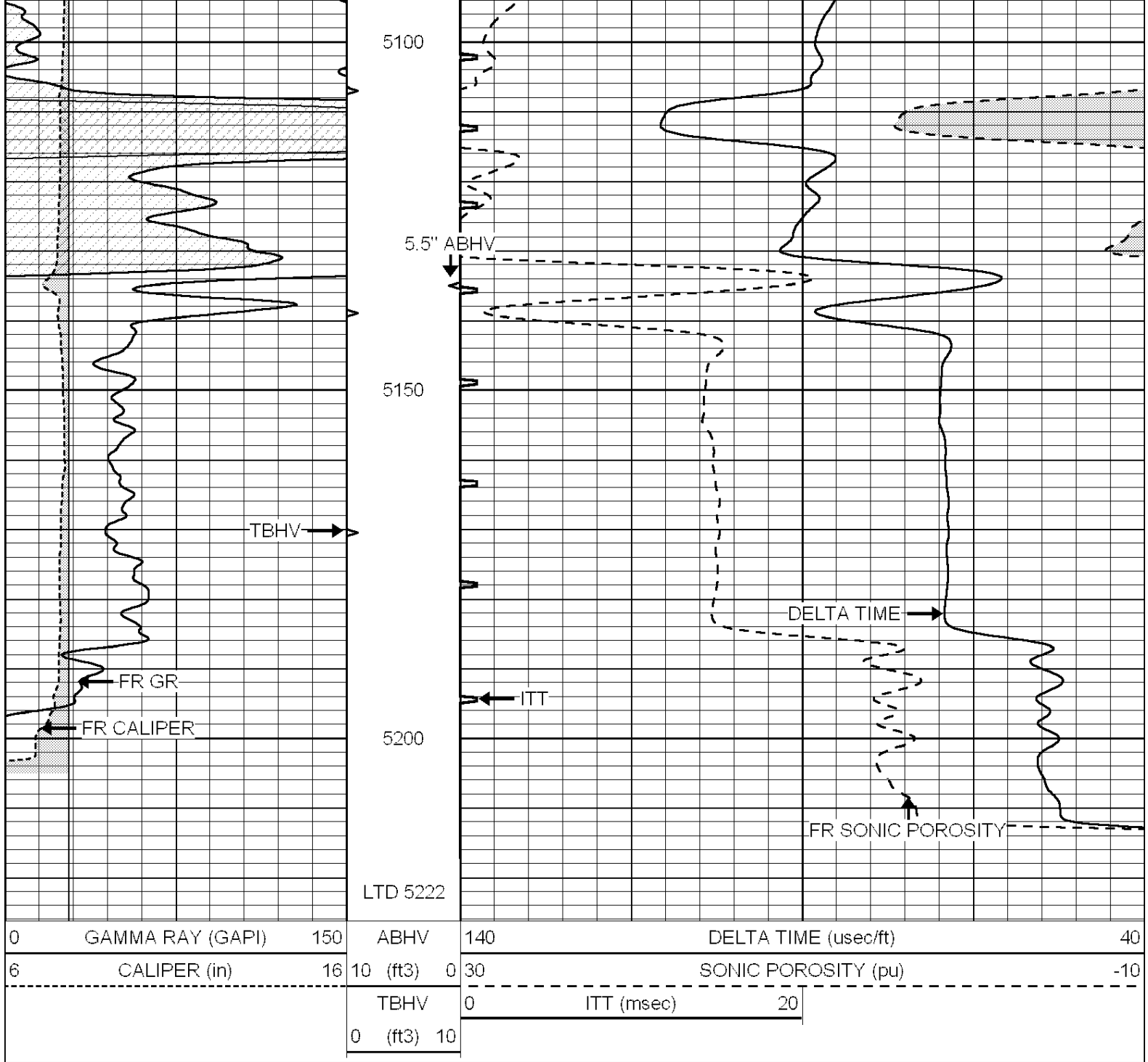










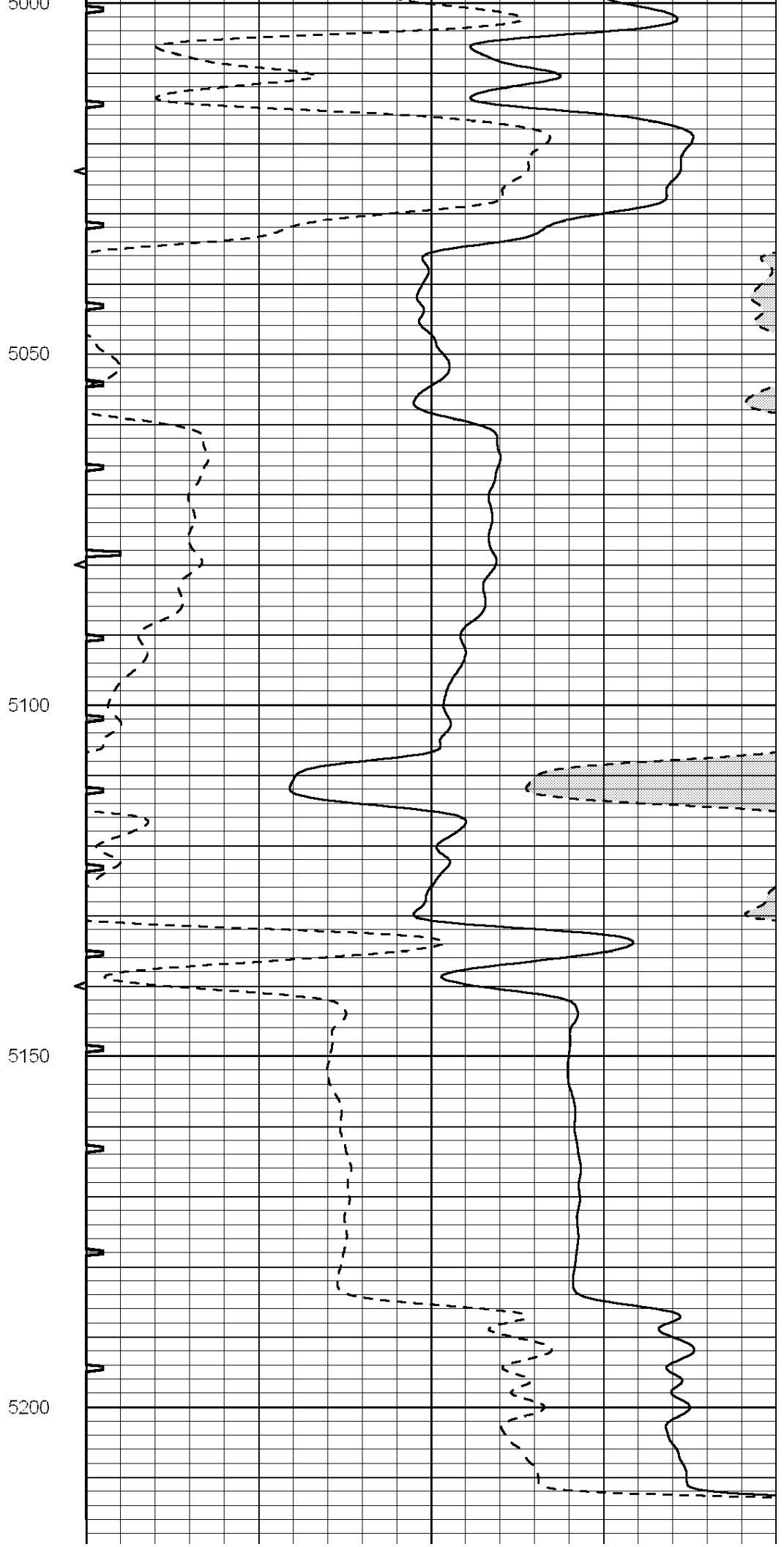
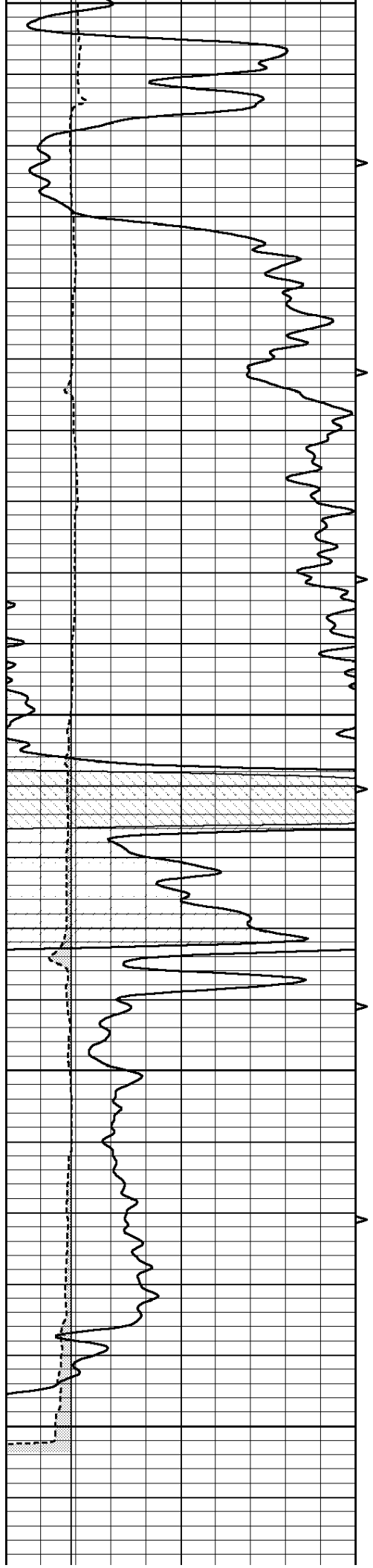


**SUPERIOR**  
**Hays,**  
**Kansas**

# REPEAT SECTION

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 Dataset Creation: Sun Aug 15 17:30:24 2010 by Calc Open-Cased 090629  
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0	GAMMA RAY (GAPI)	150	ABHV	140	DELTA TIME (usec/ft)	40
6	CALIPER (in)	16	10 (ft3)	0 30	SONIC POROSITY (pu)	-10
			TBHV	0	ITT (msec)	20
			0 (ft3)	10		



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



**SUPERIOR**  
Hays,  
Kansas

**COMPENSATED**  
DENSITY / NEUTRON  
PE LOG

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

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

Location: API # : 15-007-23566-0000  
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Other Services  
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G.L. 1417

Date	8/5/10		
Run Number	ONE		
Depth Driller	5220		
Depth Logger	5222		
Bottom Logged Interval	5198		
Top Log Interval	3600		
Casing Driller	10 3/4"@260'		
Casing Logger	260		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 4,500 PPM	
Density / Viscosity	9.5/49		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.600@99F		
Rmf @ Meas. Temp	.450@99F		
Rmc @ Meas. Temp	.720@99F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.468@127F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	2:20 P.M.		
Maximum Recorded Temperature	127F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JOE BAKER		

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**Comments**

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DIRECTIONS  
MEDICINE LODGE, KS., 16S. ON HWY 281 TO MM #8, (RATTLESNAKE TRAIL RD.) 1W., 1S., 1W., N. INTO

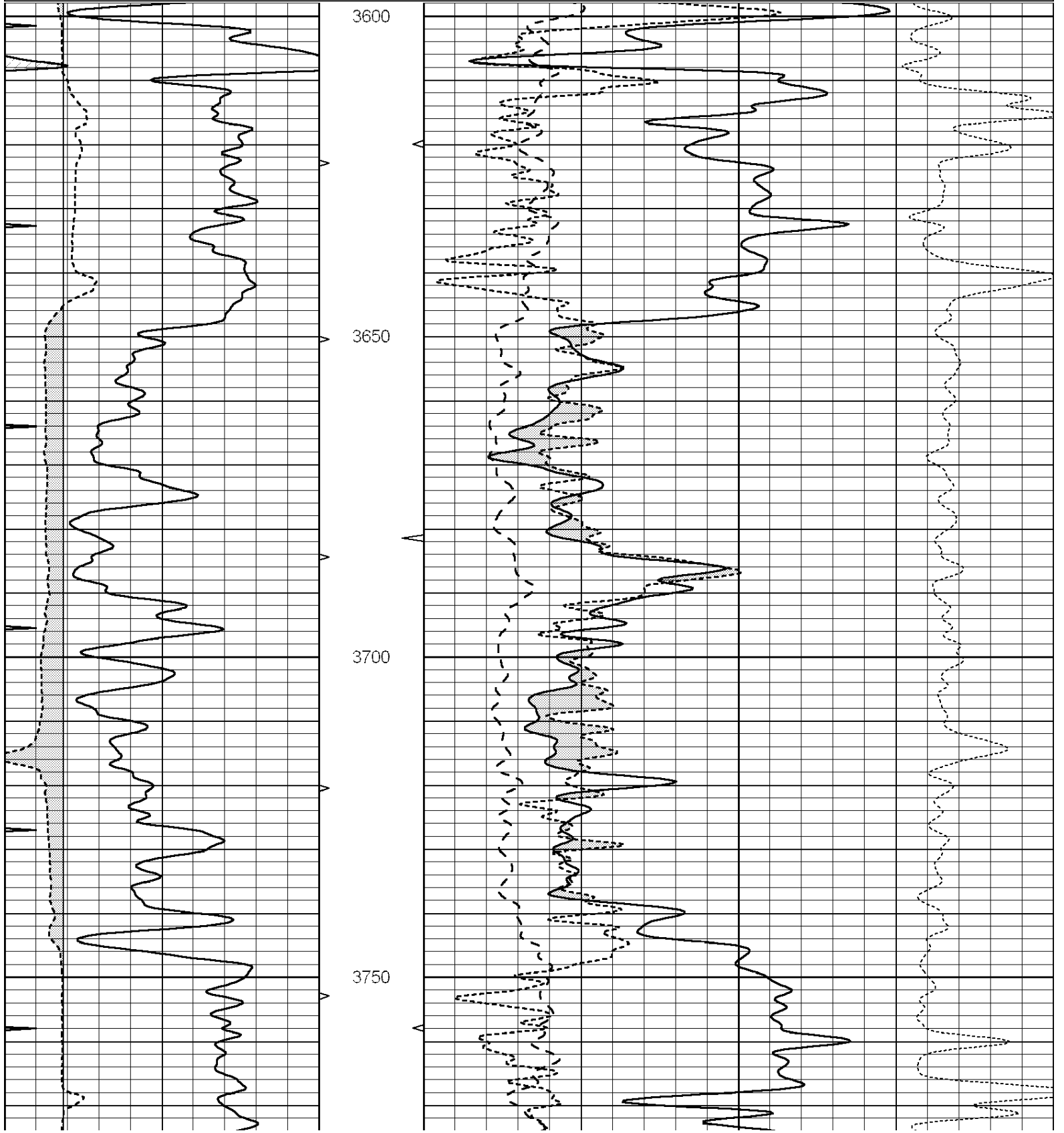


**SUPERIOR**  
Hays,  
Kansas

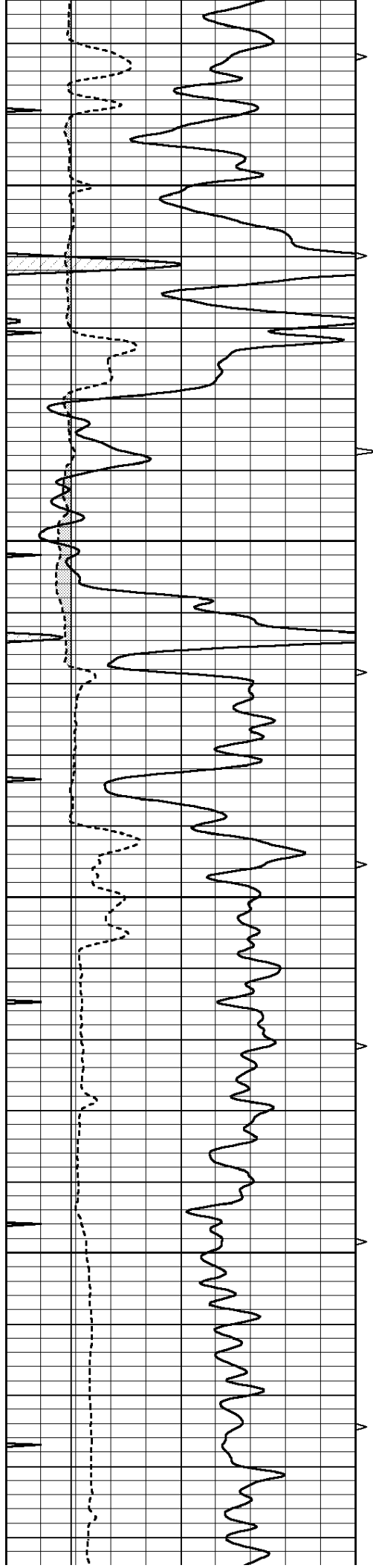
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 Charted by: Depth in Feet scaled 1:240

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





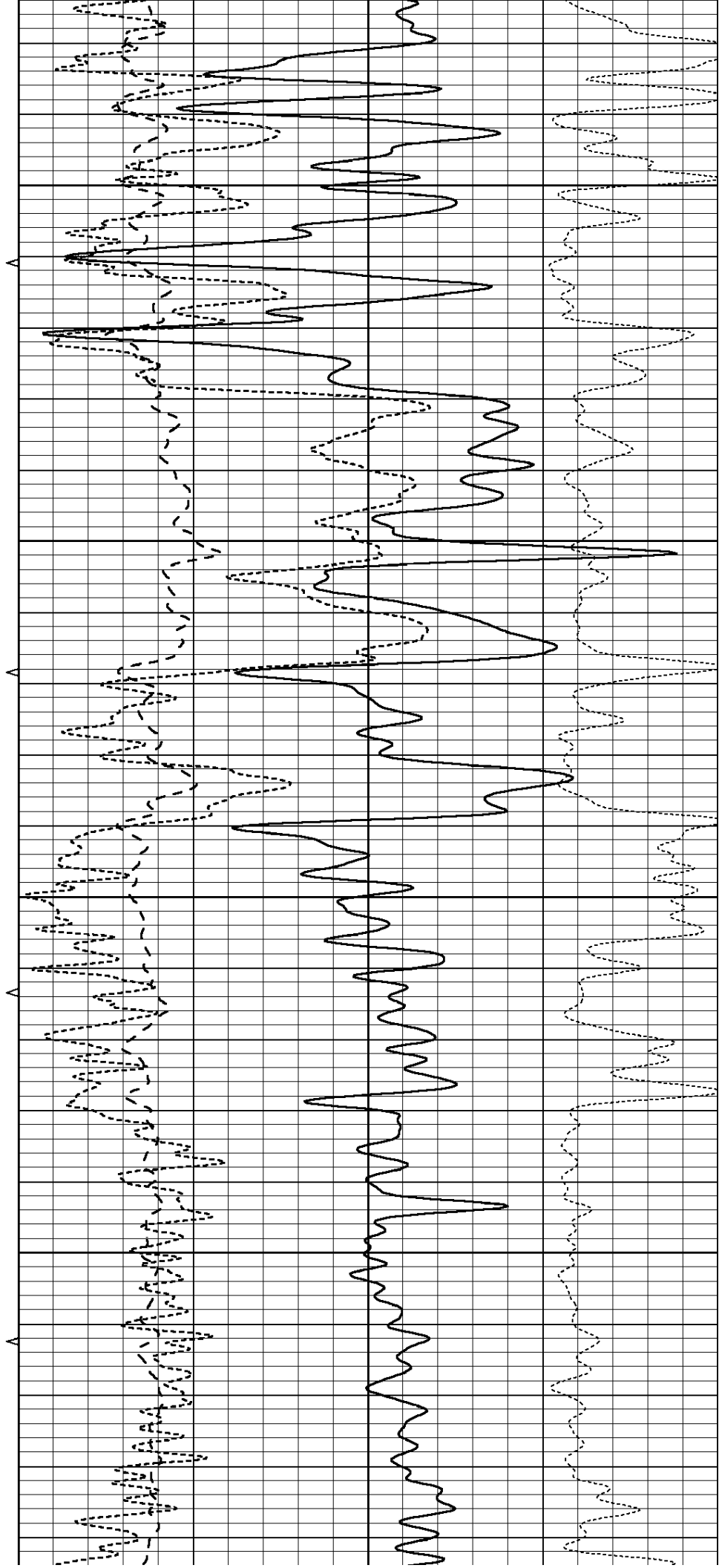


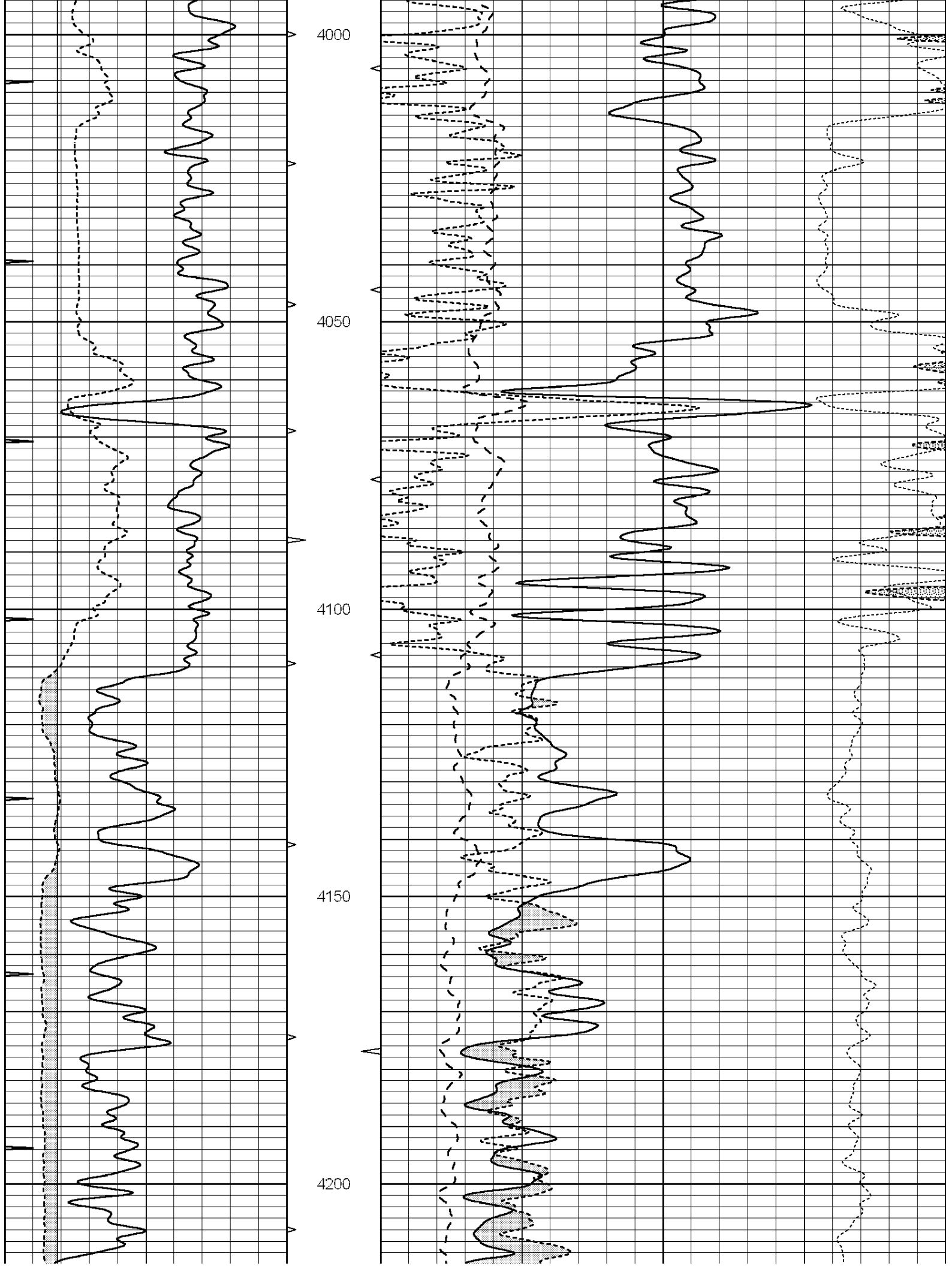
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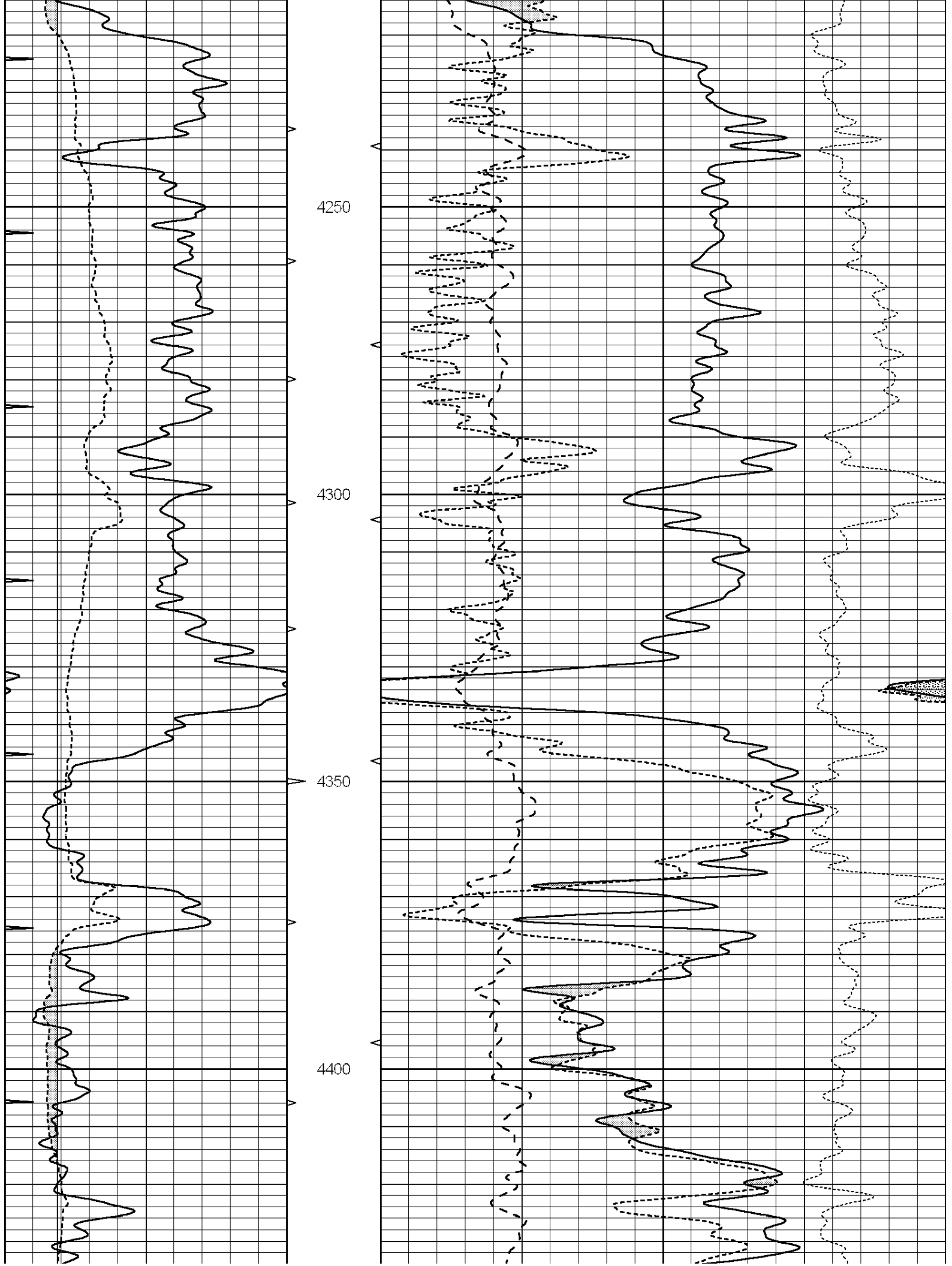
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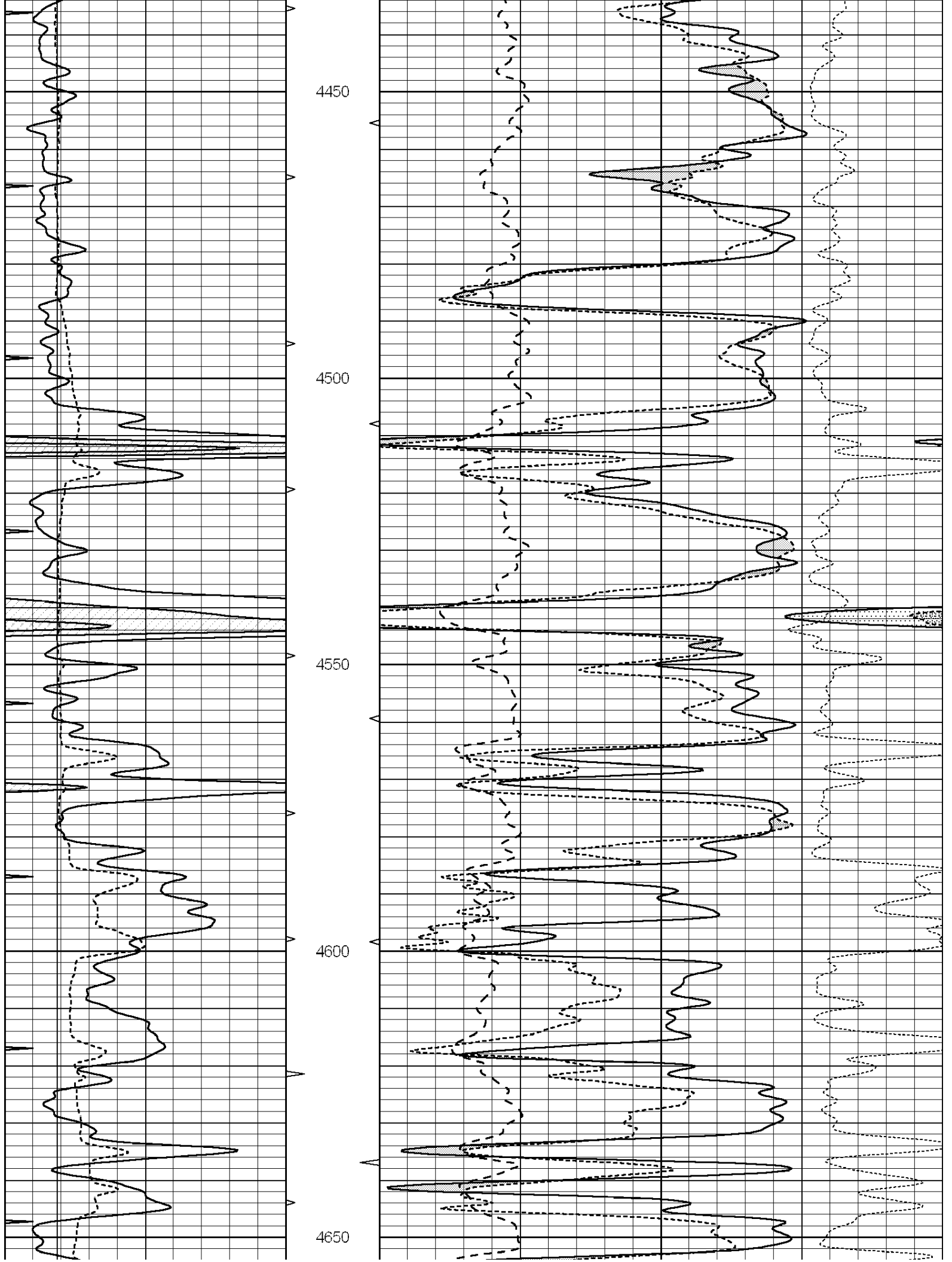
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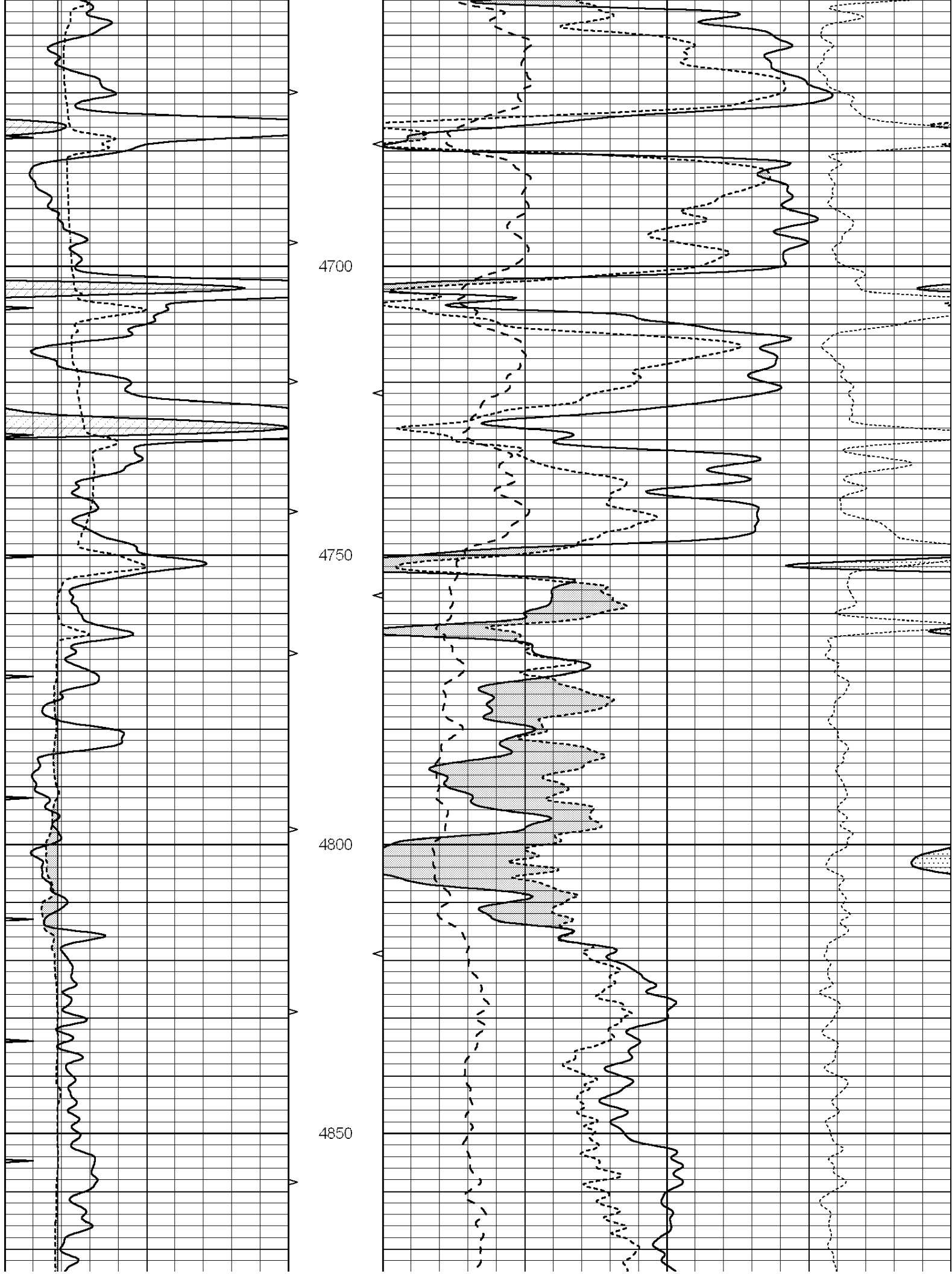
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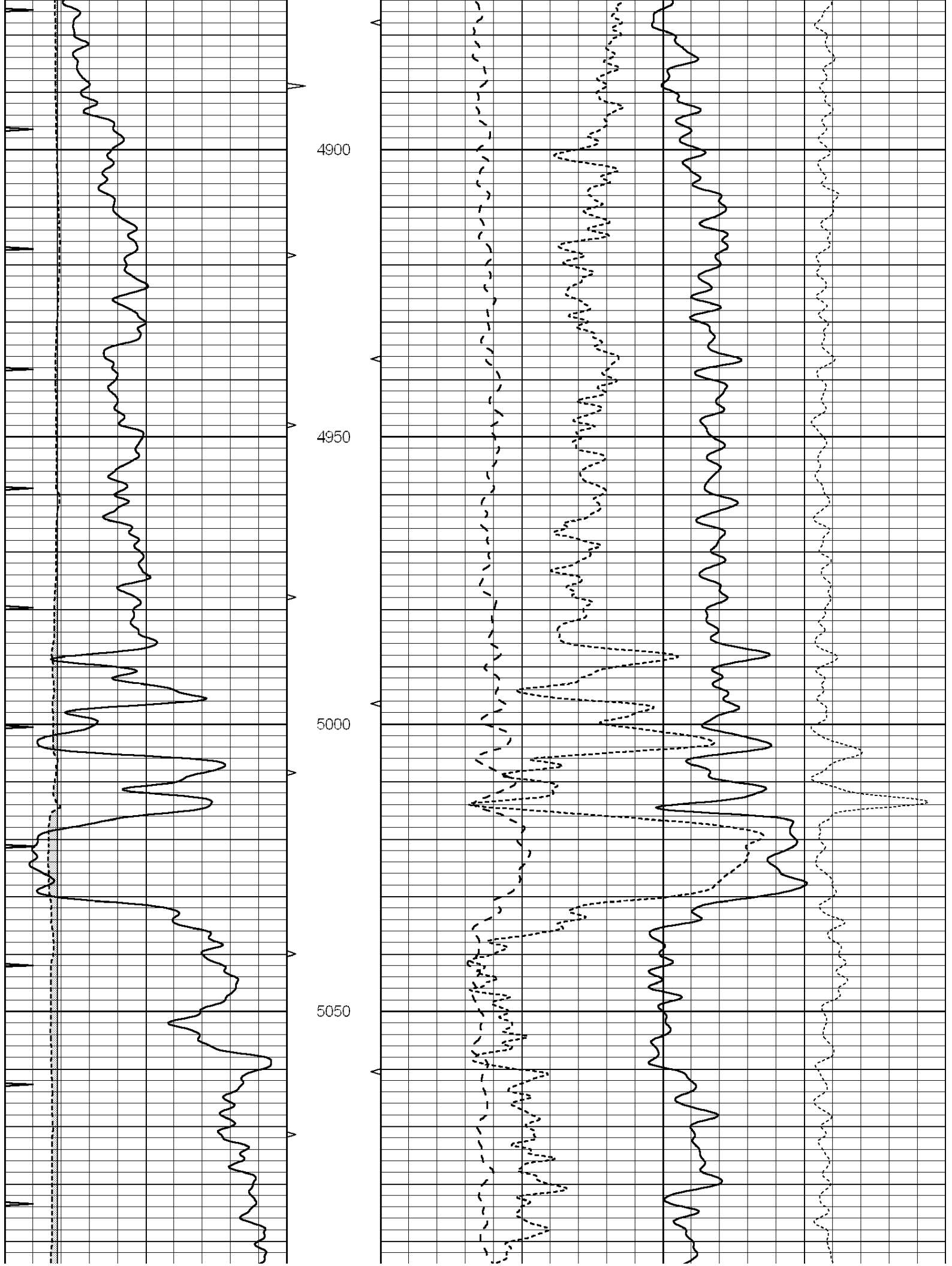


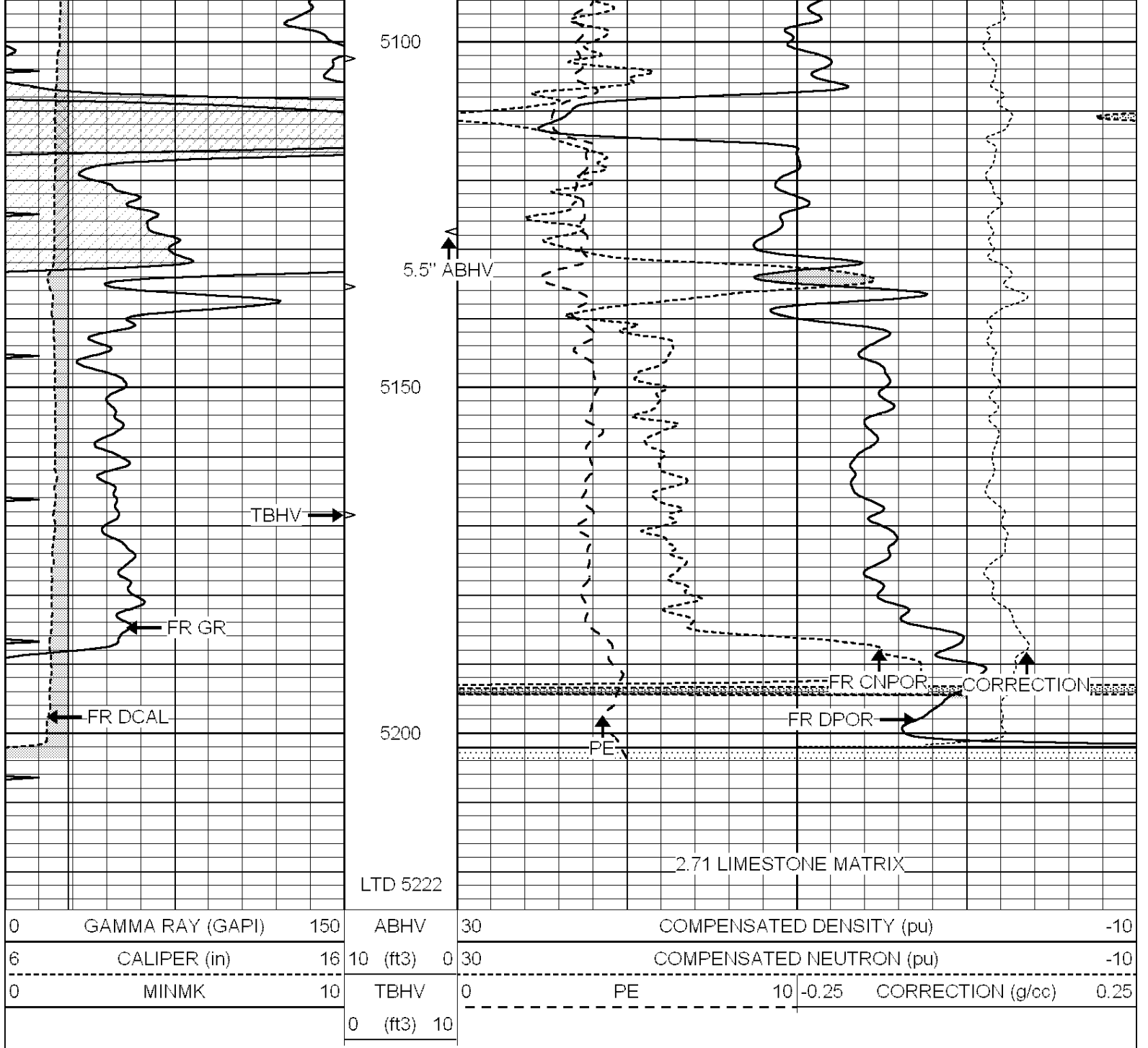












0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	10	TBHV	0	PE	10 -0.25
			0 (ft3)	10		CORRECTION (g/cc) 0.25

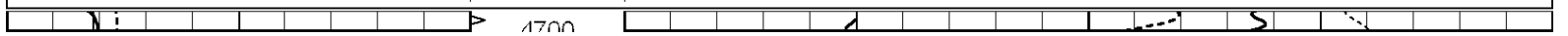


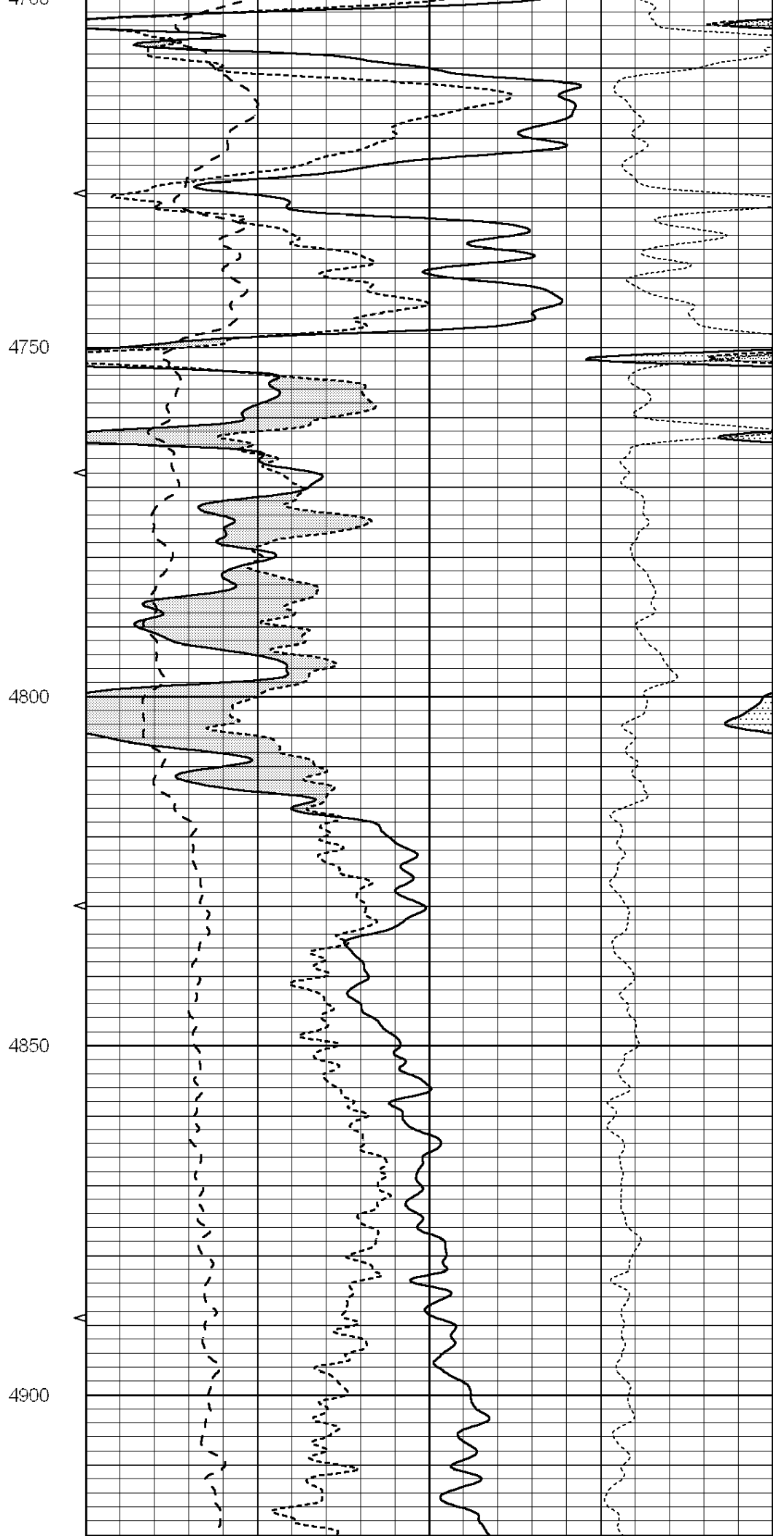
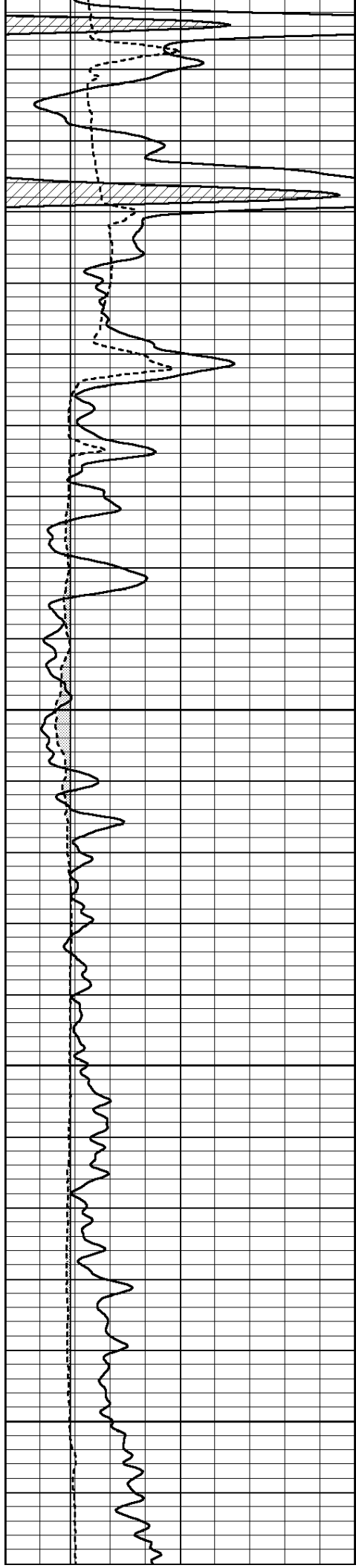
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

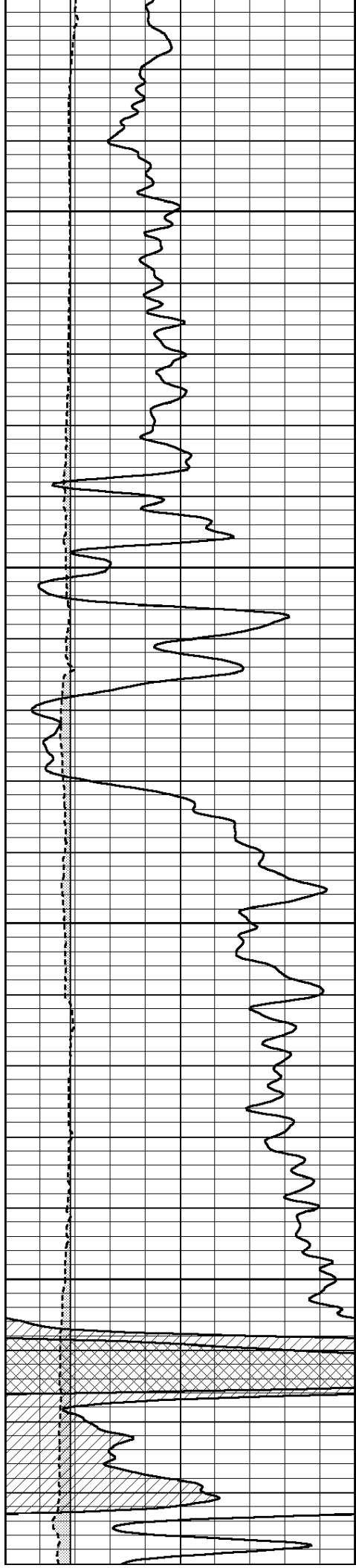
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6	CALIPER (in)	16	10 (ft3)	0 30	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25
			0 (ft3)	10		CORRECTION (g/cc) 0.25







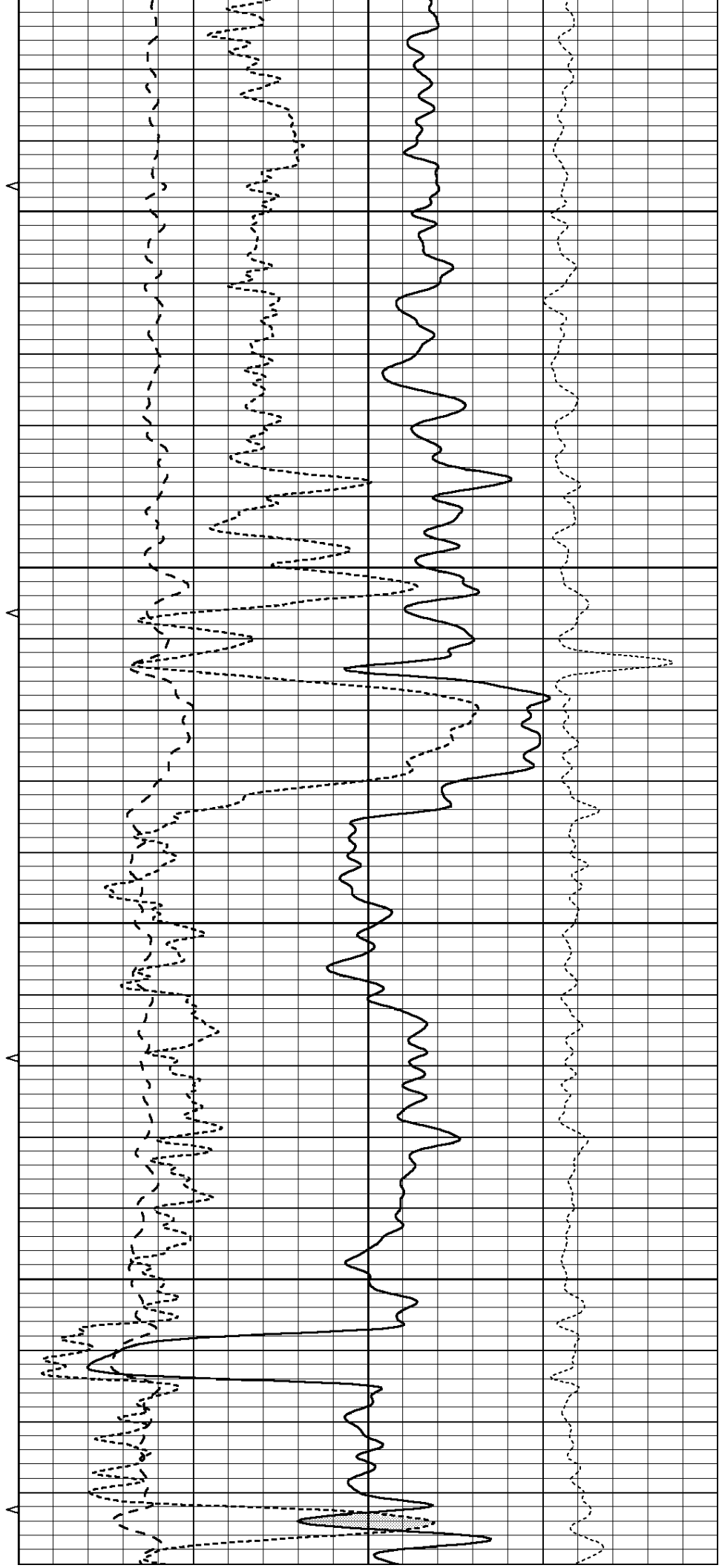


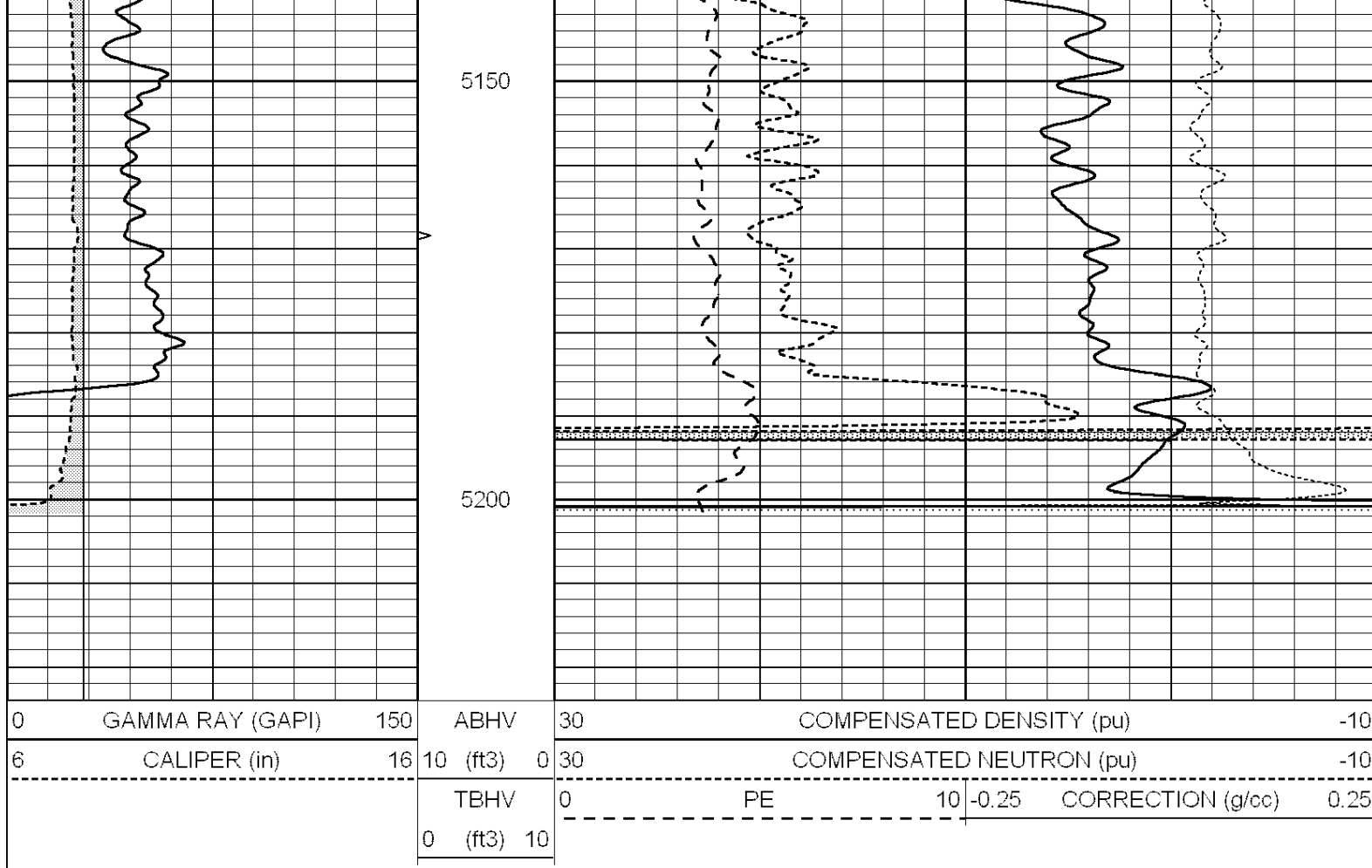
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5000

5050

5100





### Calibration Report

Database File: 005583pe.db  
 Dataset Pathname: pass3.10  
 Dataset Creation: Sun Aug 15 16:20:52 2010 by Calc Open-Cased 090629

### Dual Induction Calibration Report

Serial-Model: DIL6-GEAR  
 Performed: Sun Aug 15 13:35:29 2010

Loop:	Readings				References		Results	
	Air	Loop			Air	Loop	m	b
Deep	0.001	0.644	V	0.000	400.000	mmho/m	660.000	-4.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-25.000
Internal:	Zero				Zero		Cal	
							m	b
Deep	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000

### Litho Density Calibration Report

Serial: 004N Model: PRB  
 Performed Tue Sep 08 13:49:55 2009

#### Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps

Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.2	1671.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper

	Readings	Reference	
Low Ref	1.2	6.4	
High Ref	3.2	14.0	
	Gain: 3.8		Offset: 1.7

Compensated Neutron Calibration Report

Serial Number: NEU\_4I  
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	996.00 cps	1000.00 cps	1.0000
Long Space	977.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR4
Tool Model:	OPEN
Performed:	Sun Aug 15 14:45:58 2010
Calibrator Value:	200.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	189.0 cps
Sensitivity:	1.5000 GAPI/cps



**SUPERIOR**  
Hays,  
Kansas

**MICRO  
LOG**

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

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

Location: API # : 15-007-23566-0000  
600' FSL & 2260' FWL  
SEC 35 TWP 34S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1417  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
DIL/SONIC  
Elevation  
K.B. 1430  
D.F. 1428  
G.L. 1417

Date	8/15/10
Run Number	TWO
Depth Driller	5220
Depth Logger	5222
Bottom Logged Interval	5199
Top Log Interval	3600
Casing Driller	10 3/4" @ 260'
Casing Logger	260
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/49
pH / Fluid Loss	10.5/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.600 @ 99F
Rmf @ Meas. Temp	.450 @ 99F
Rmc @ Meas. Temp	.720 @ 99F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.468 @ 127F
Time Circulation Stopped	5.5 HOURS
Time Logger on Bottom	2:20 P.M.
Maximum Recorded Temperature	127F
Equipment Number	0836
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JOE BAKER

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

Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE, KS., 16S. ON HWY 281 TO MM #8, (RATTLESNAKE TRAIL RD.) 1W., 1S., 1W., N. INTO

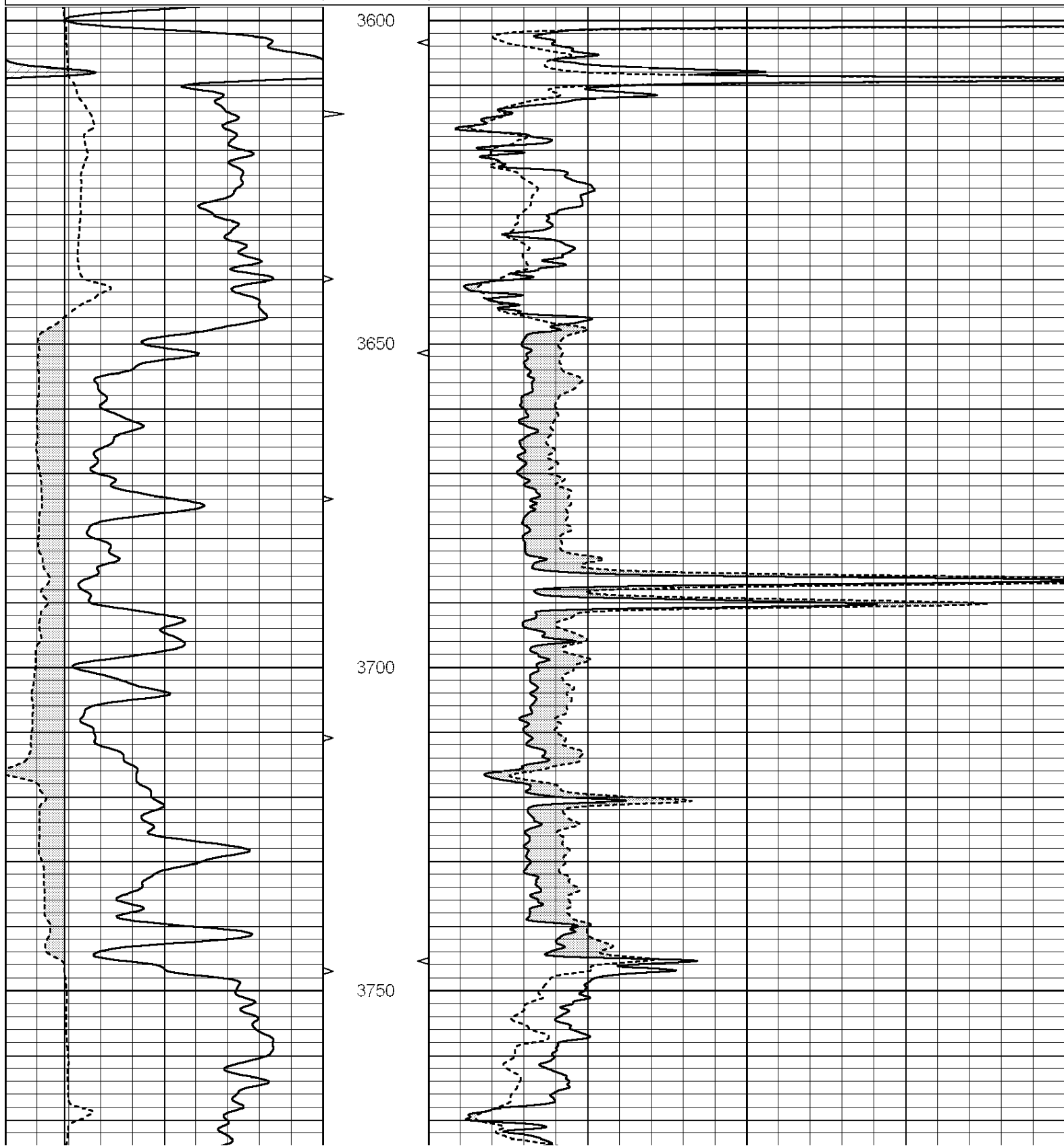


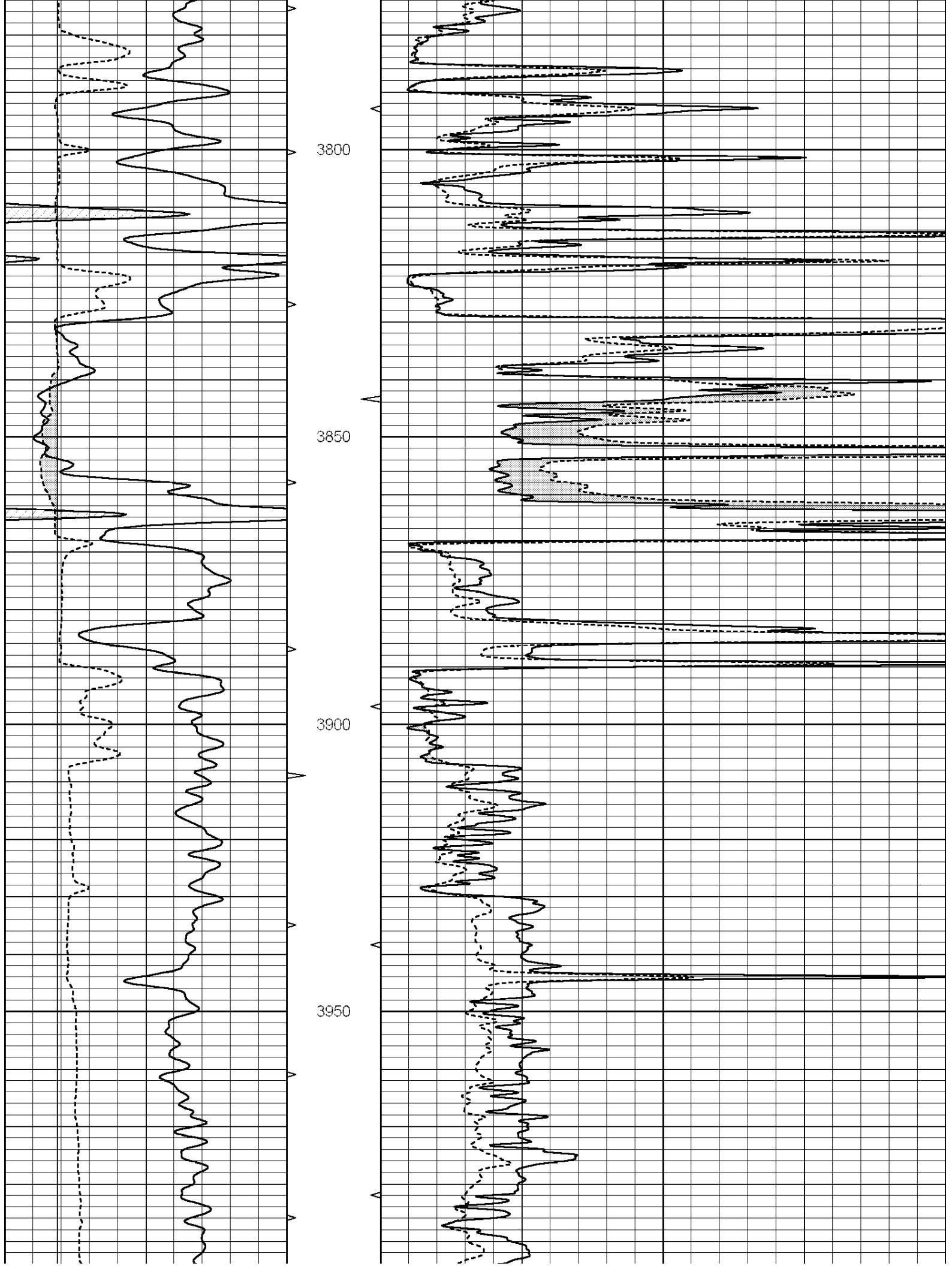
**SUPERIOR**  
Hays,  
Kansas

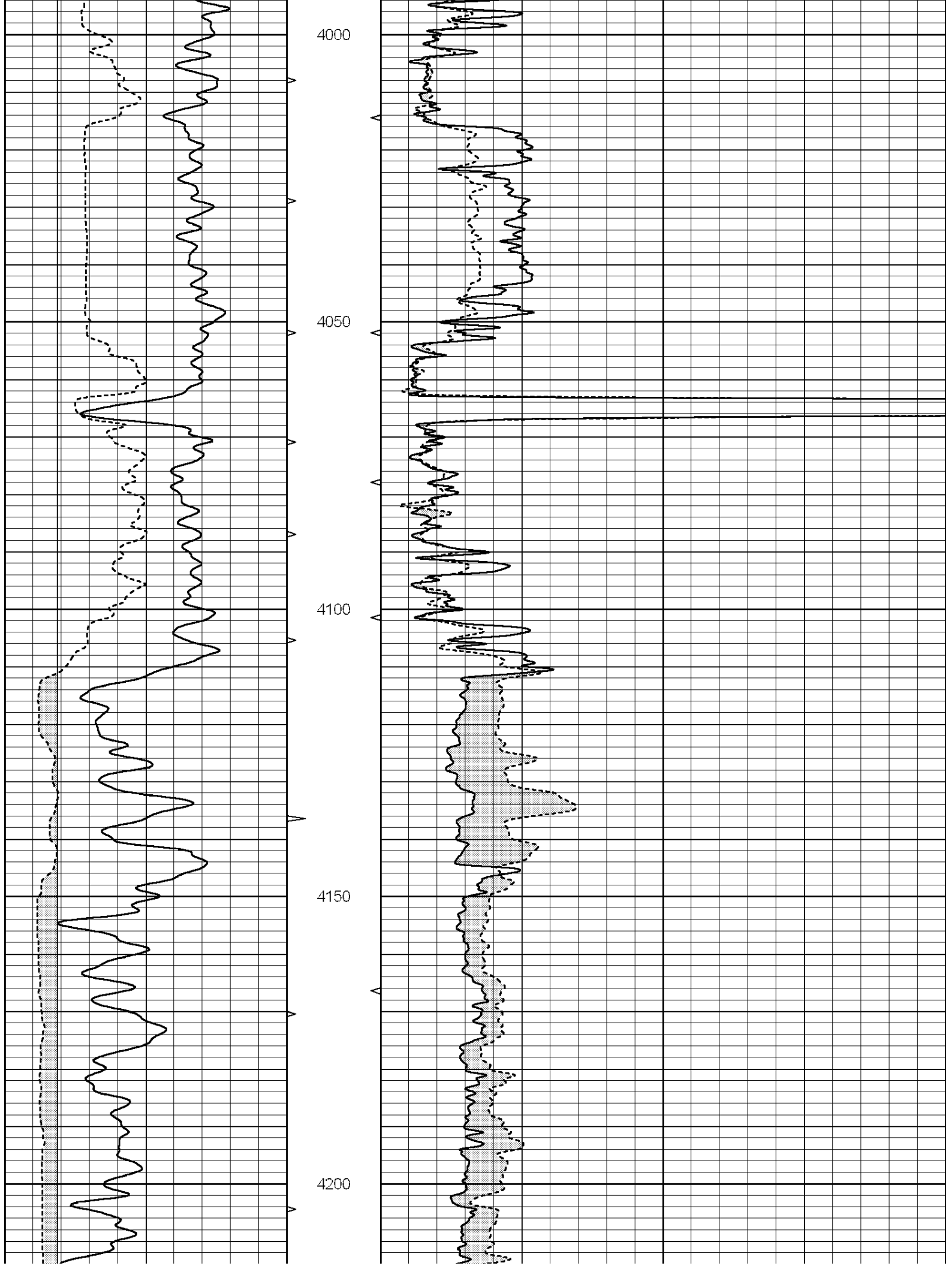
**MAIN SECTION**

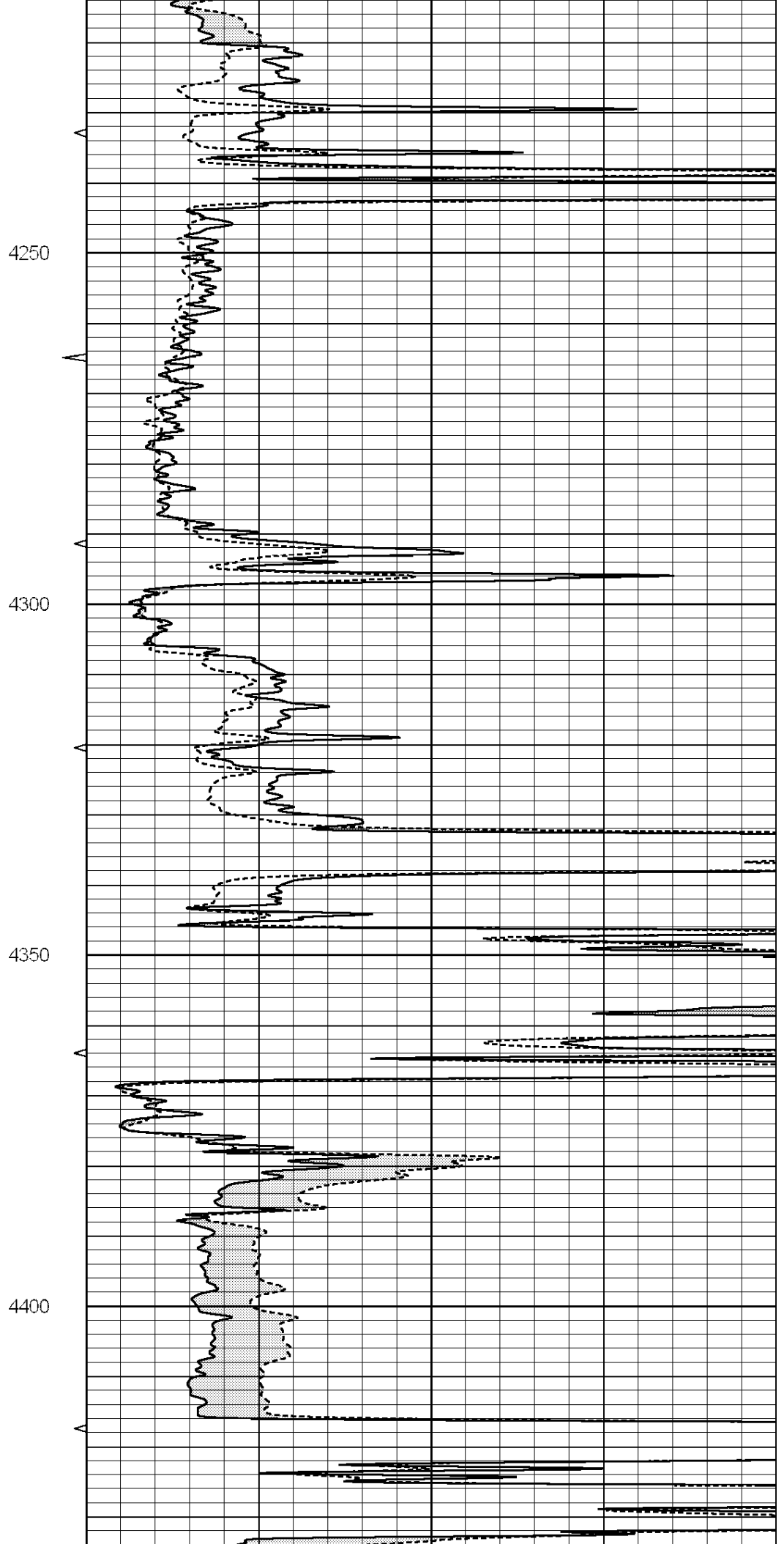
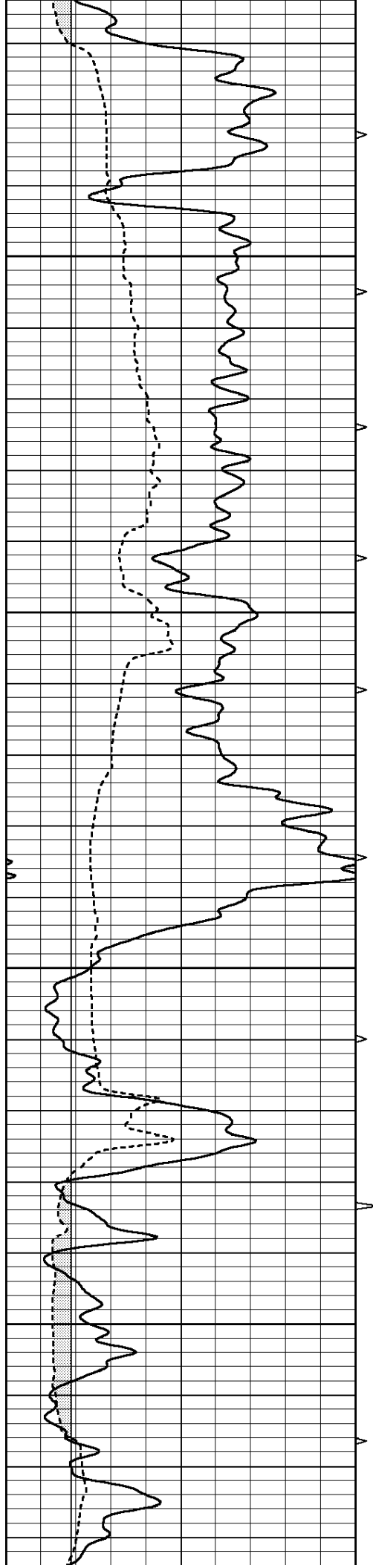
Database File: 005583pe.db  
 Dataset Pathname: pass6.4  
 Presentation Format: micro  
 Dataset Creation: Sun Aug 15 18:35:39 2010  
 Charted by: Depth in Feet scaled 1:240

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		

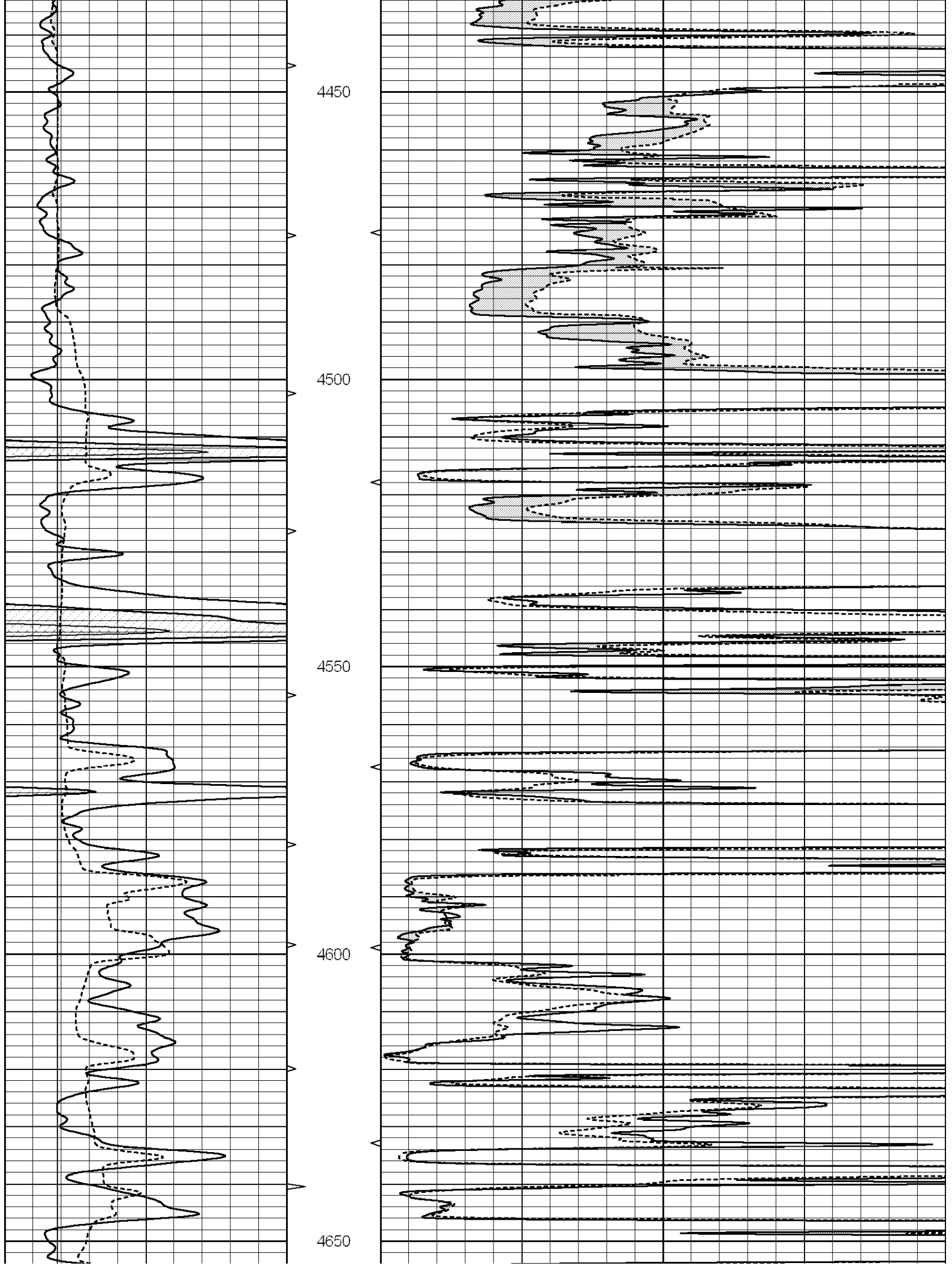


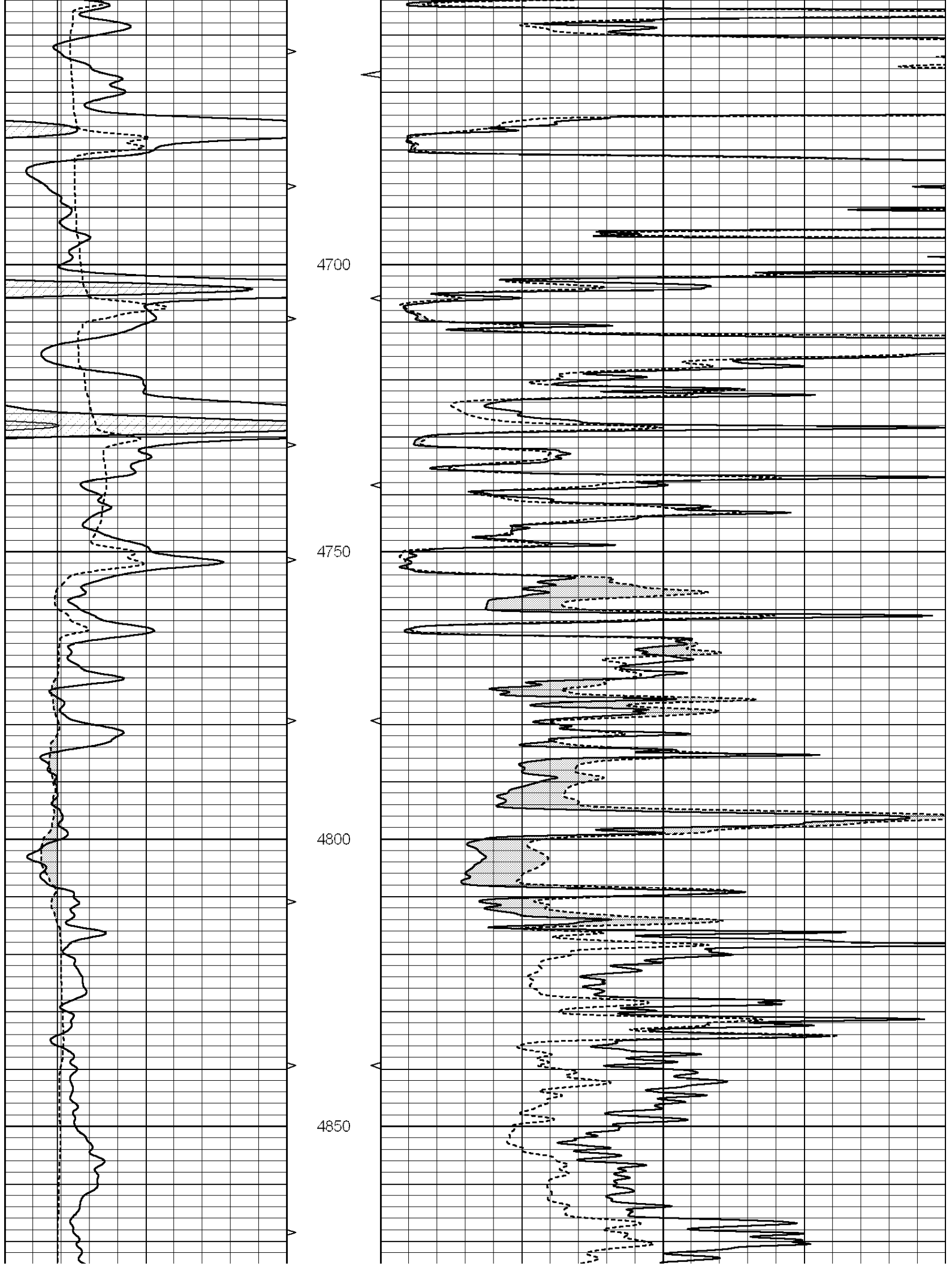


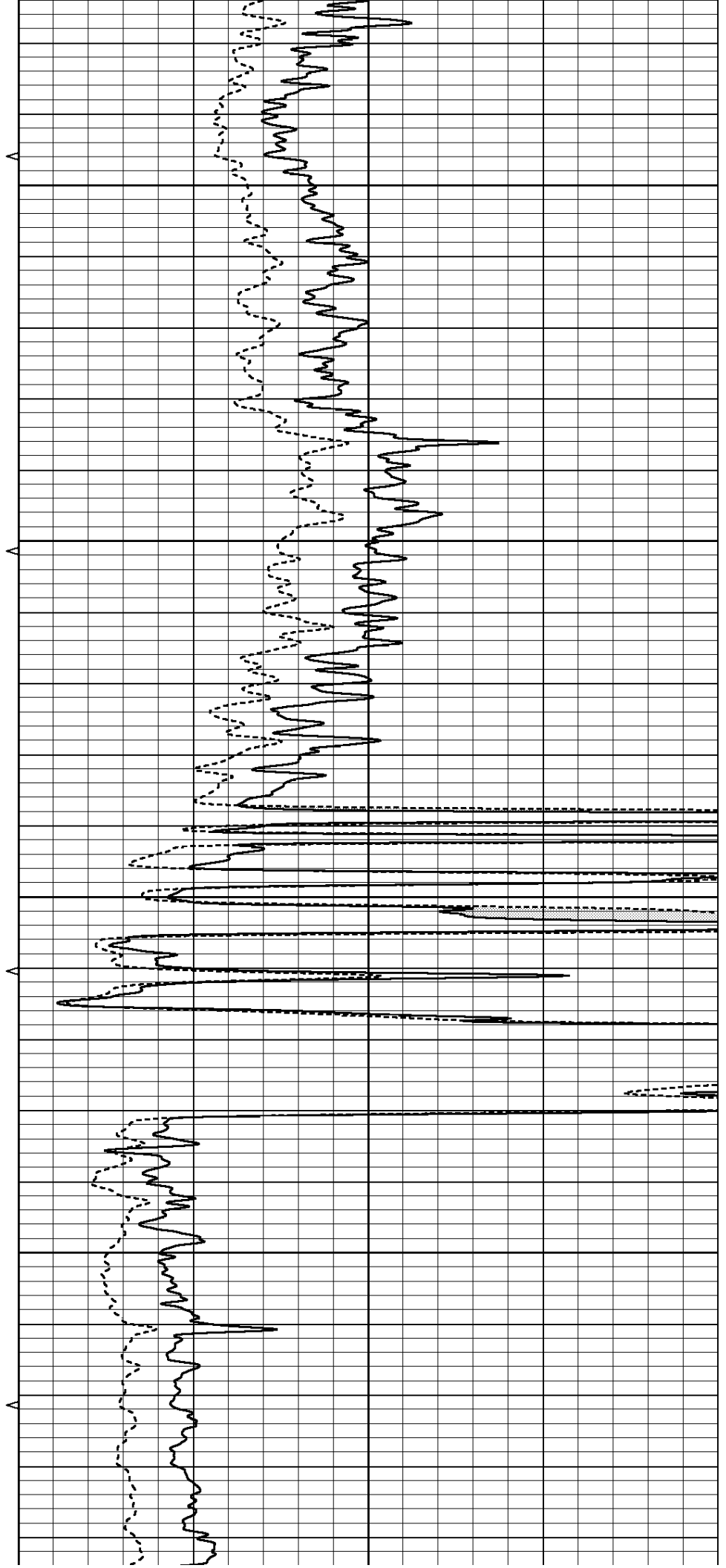
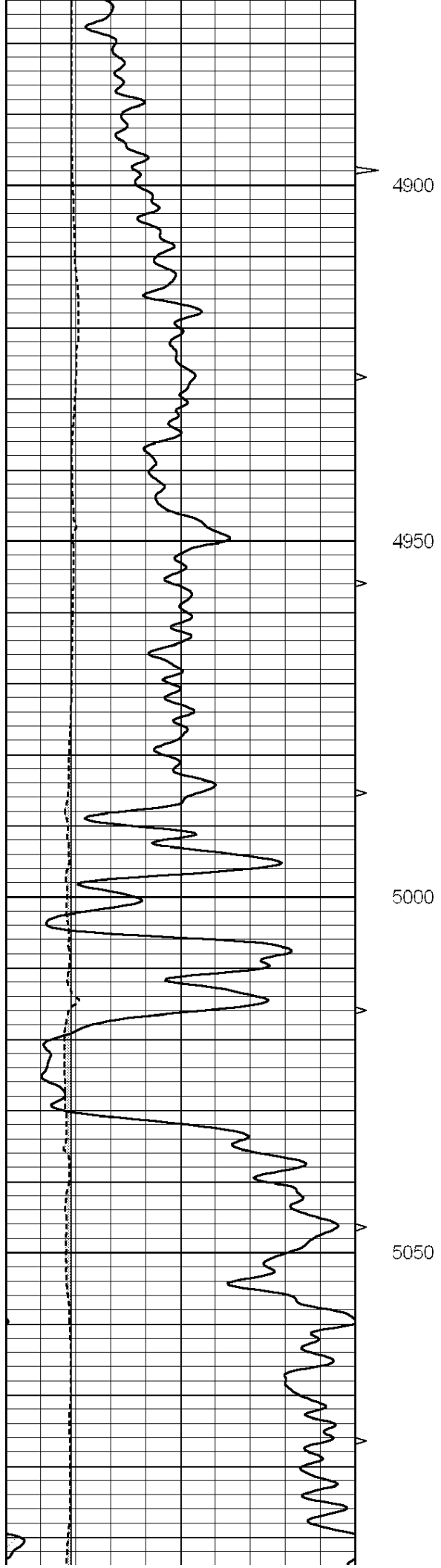


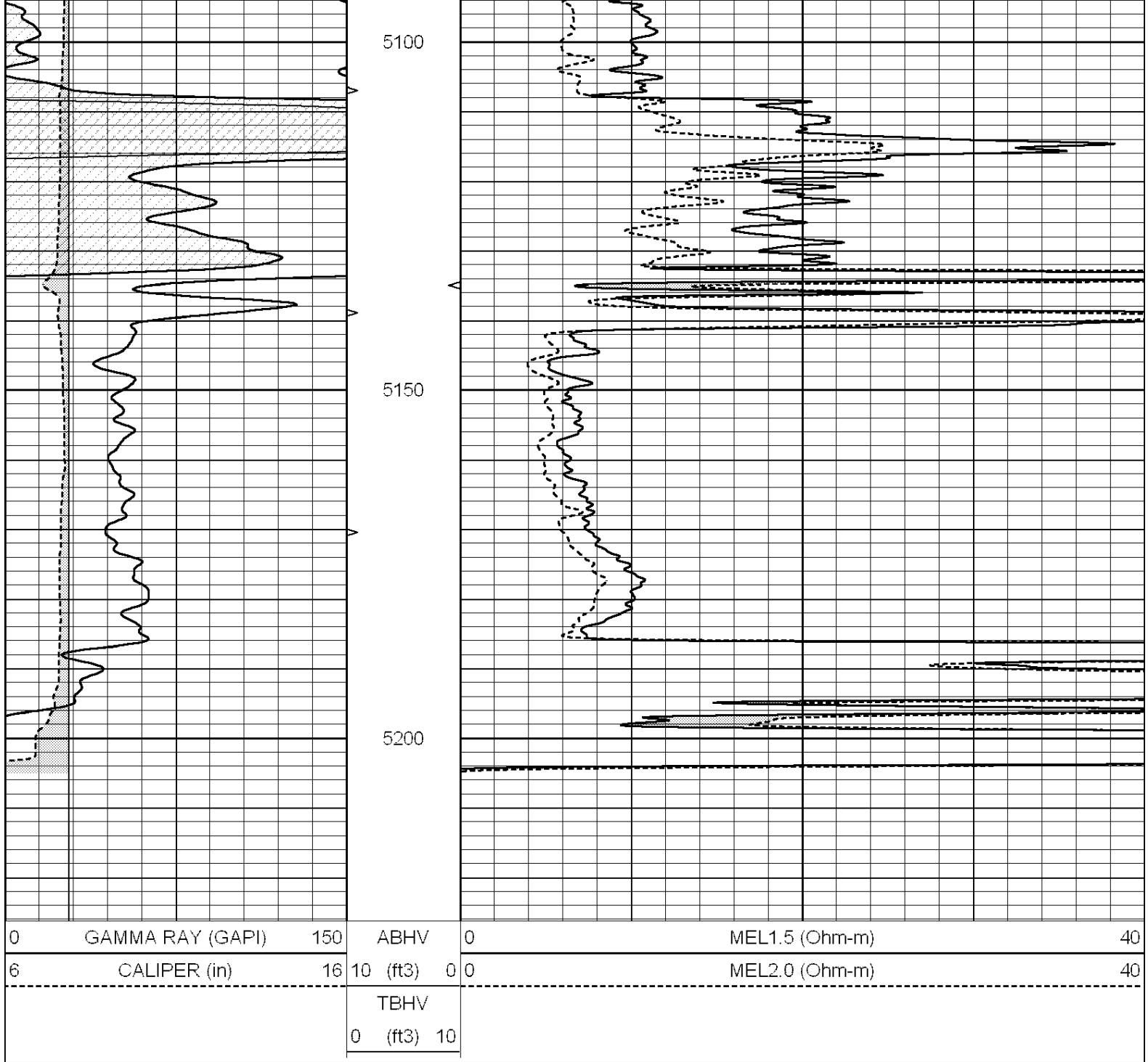










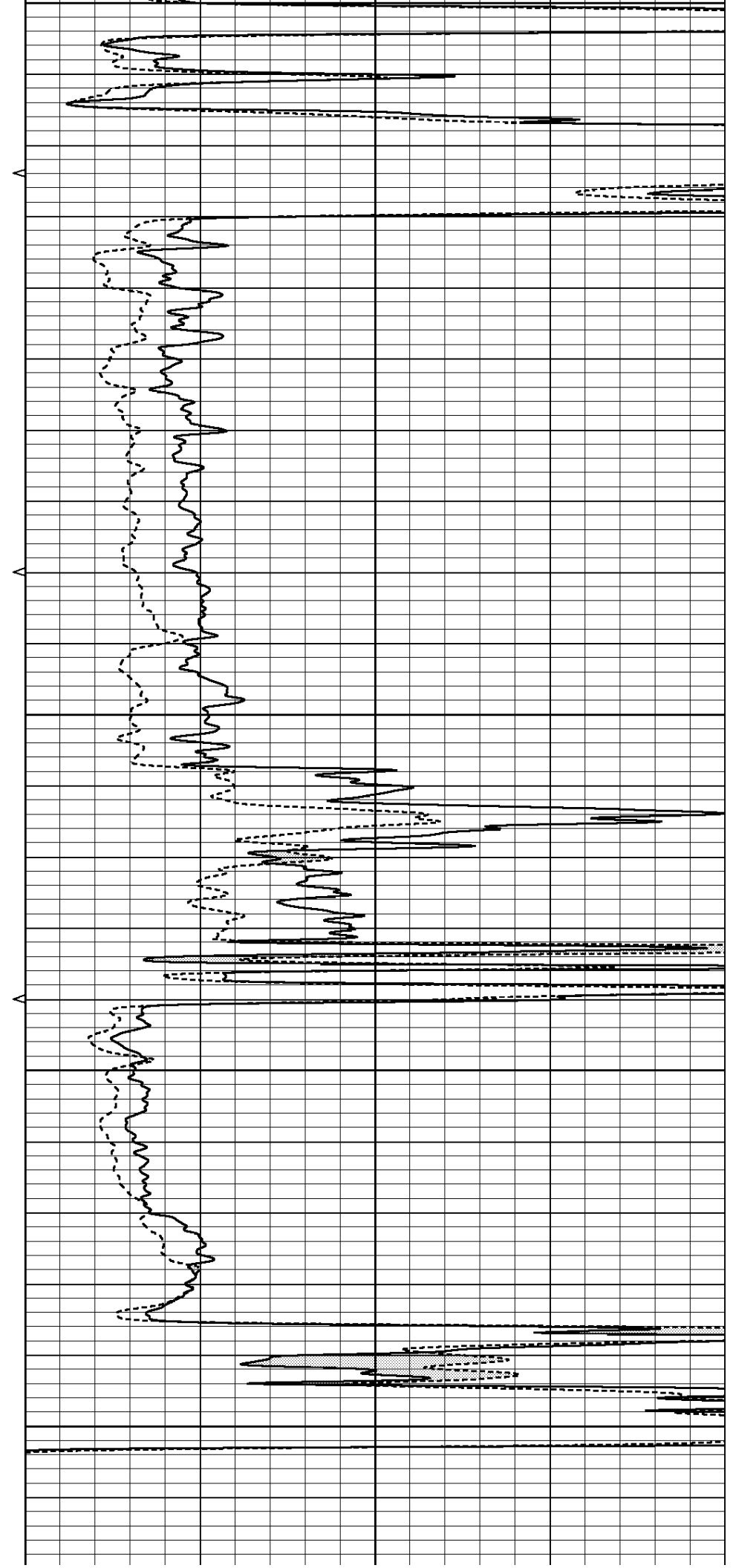
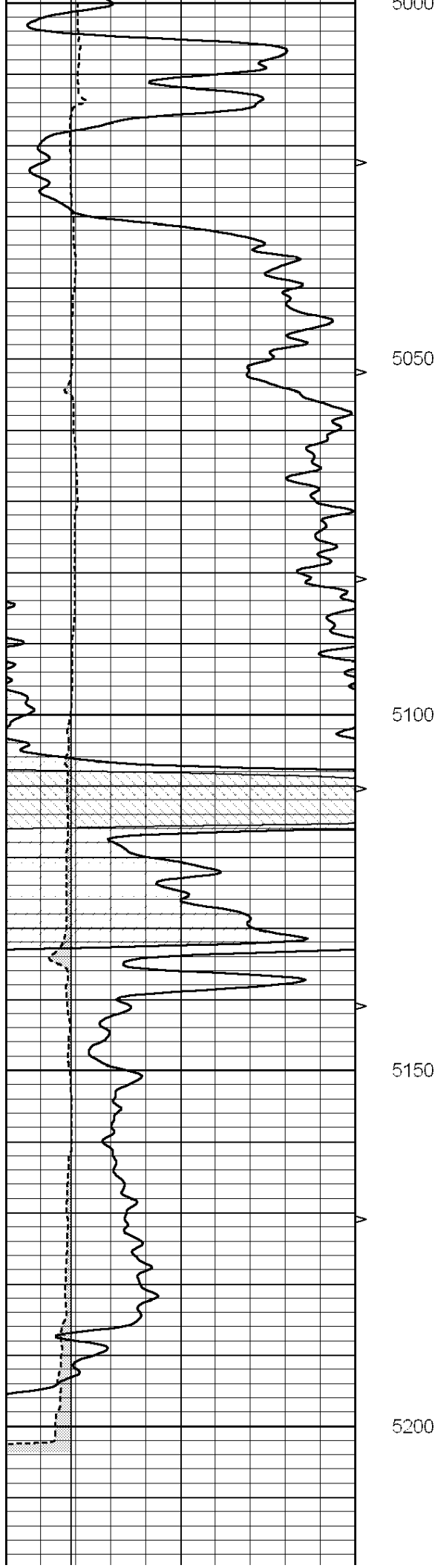


SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

Database File: 005583pe.db  
 Dataset Pathname: pass5.3  
 Presentation Format: micro  
 Dataset Creation: Sun Aug 15 17:30:24 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		



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			

### Calibration Report

Database File: 005583pe.db  
Dataset Pathname: pass6.4  
Dataset Creation: Sun Aug 15 18:35:39 2010

#### MICRO Calibration Report

Serial Number: MICRO5  
Tool Model: PROBE  
Performed: Sun Aug 15 17:26:28 2010

Caliper Calibration: Gain=3.761      Offset=-3.456

References	Low Cal	High Cal
Readings	5.700	14.000
	2.435	4.641

1.5" Calibration: Gain=42.000      Offset=-0.500

References	Low Cal	High Cal
Readings	0.000	20.000
	0.008	0.991

2" Calibration: Gain=50.000      Offset=-0.700

References	Low Cal	High Cal
Readings	0.000	20.000
	0.014	0.905

#### Gamma Ray Calibration Report

Serial Number: GR4  
Tool Model: OPEN  
Performed: Sun Aug 15 17:26:32 2010

Calibrator Value: 200.0      GAPI

Background Reading: 0.0      cps  
Calibrator Reading: 189.0      cps

Sensitivity: 1.1000      GAPI/cps



**SUPERIOR**  
Hays,  
Kansas

**DUAL INDUCTION  
LOG**

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

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

Location: API # : 15-007-23566-0000  
600' FSL & 2260' FWL  
SEC 35 TWP 34S RGE 12W  
Permanent Datum GROUND LEVEL Elevation 1417  
Log Measured From KELLY BUSHING 13' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
CDL/CNL/PE  
MEL/SONIC  
Elevation  
K.B. 1430  
D.F. 1428  
G.L. 1417

Date	8/5/10
Run Number	ONE
Depth Driller	5220
Depth Logger	5222
Bottom Logged Interval	5220
Top Log Interval	00
Casing Driller	10 3/4"@260'
Casing Logger	260
Bit Size	7 7/8"
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.5/49
pH / Fluid Loss	10.5/8.8
Source of Sample	FLOWLINE
Rim @ Meas. Temp	.600@99F
Rmf @ Meas. Temp	.450@99F
Rmc @ Meas. Temp	.720@99F
Source of Rmf / Rmc	MEASUREMENT
Rim @ BHT	.468@127F
Time Circulation Stopped	3 HOURS
Time Logger on Bottom	2:20 P.M.
Maximum Recorded Temperature	127F
Equipment Number	0836
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	JOE BAKER

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**Comments**

THANK YOU FOR USING SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395  
DIRECTIONS  
MEDICINE LODGE, KS., 16S. ON HWY 281 TO MM #8, (RATTLESNAKE TRAIL RD.) 1W., 1S., 1W., N. INTO



**SUPERIOR**  
Hays,  
Kansas

**MAIN SECTION**

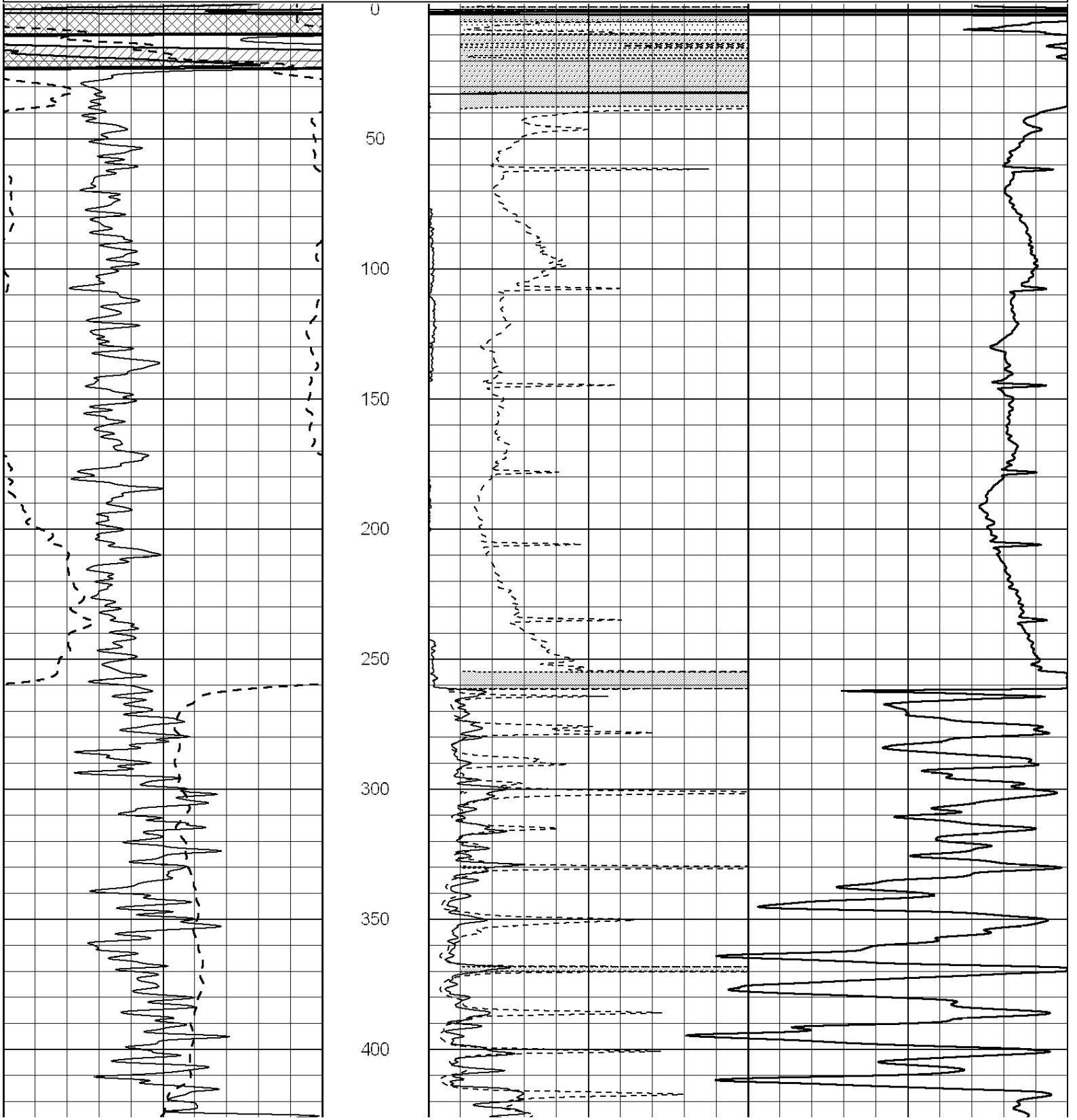
Database File: 005583pe.db  
 Dataset Pathname: pass3.12  
 Presentation Format: dil2  
 Dataset Creation: Sun Aug 15 16:30:12 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:600

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

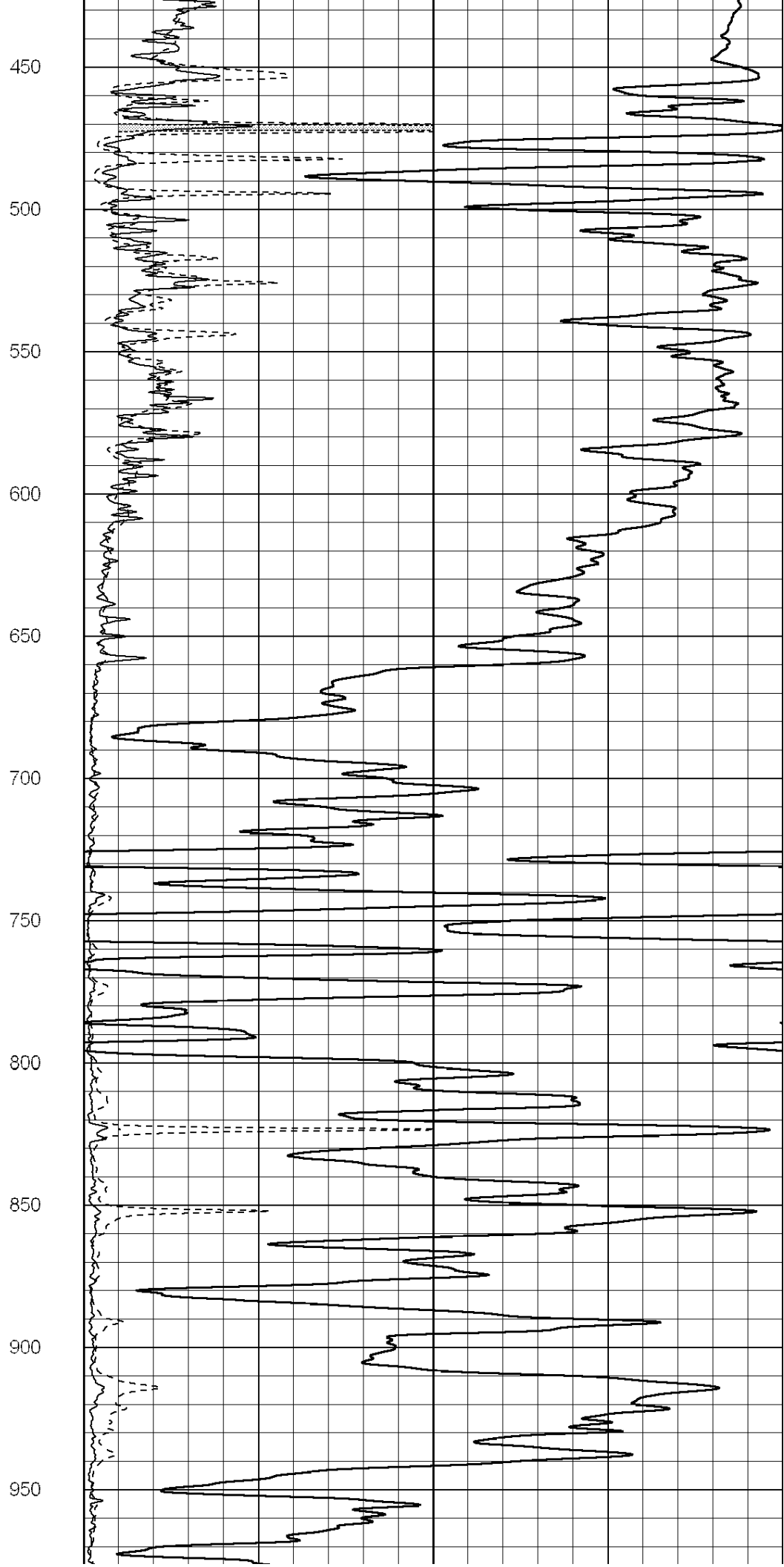
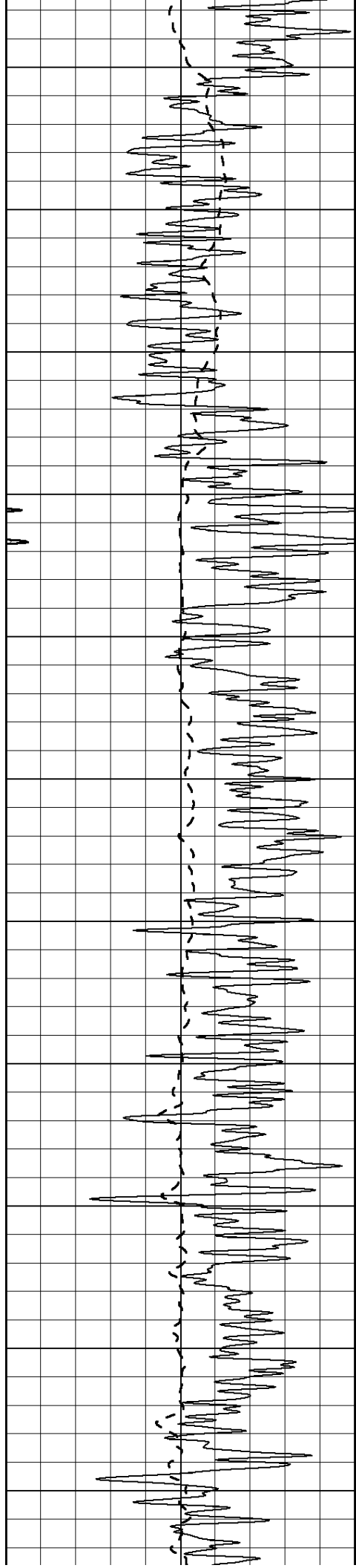
0	RLL3 (Ohm-m)	50
0	RILD (Ohm-m)	50

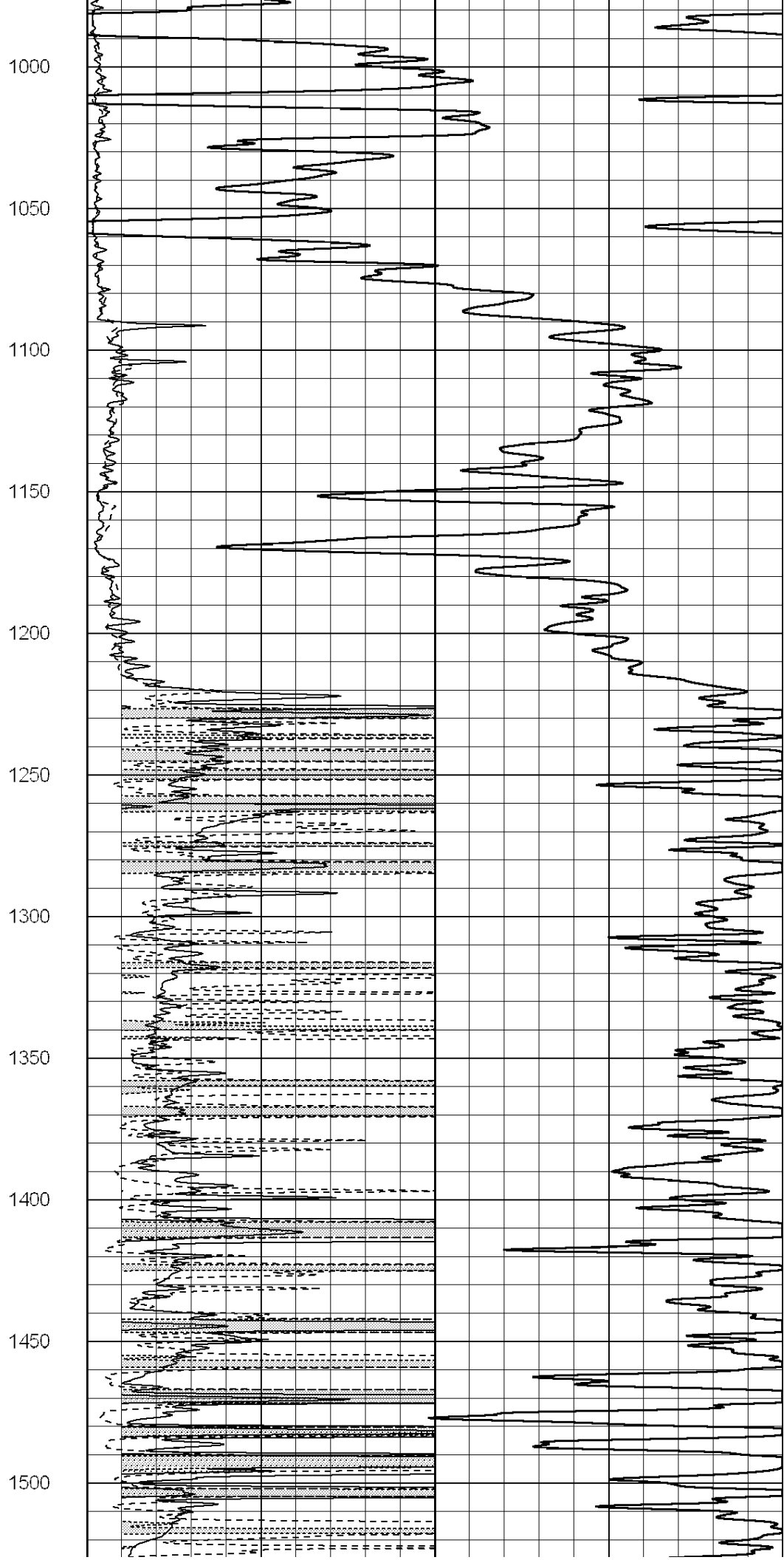
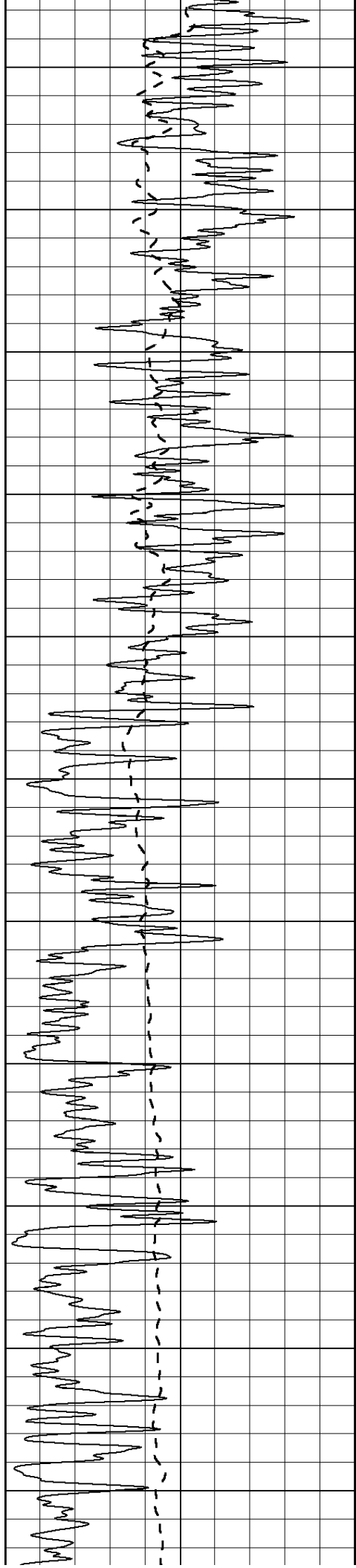
1000	CILD (mmho/m)	0
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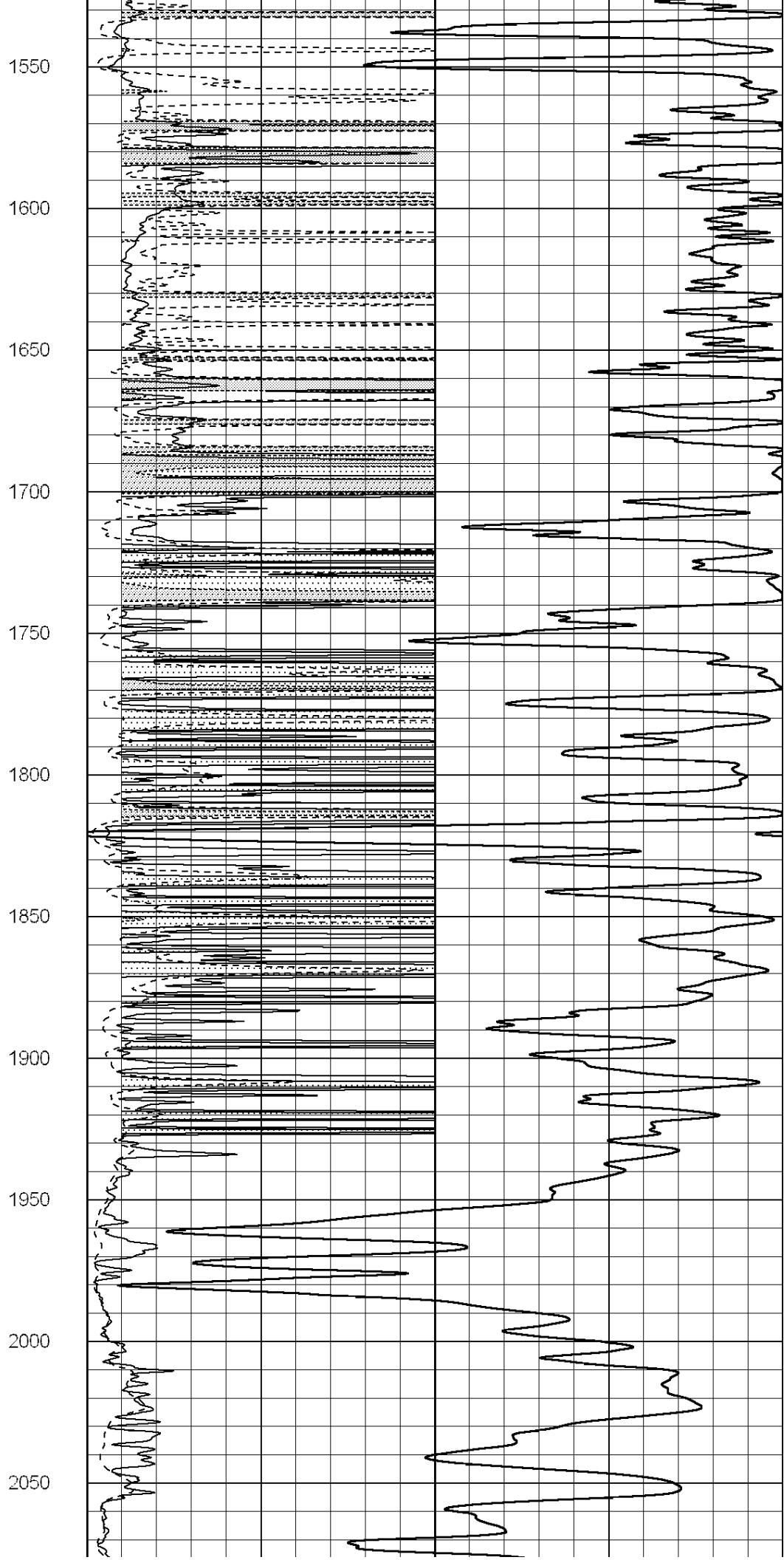
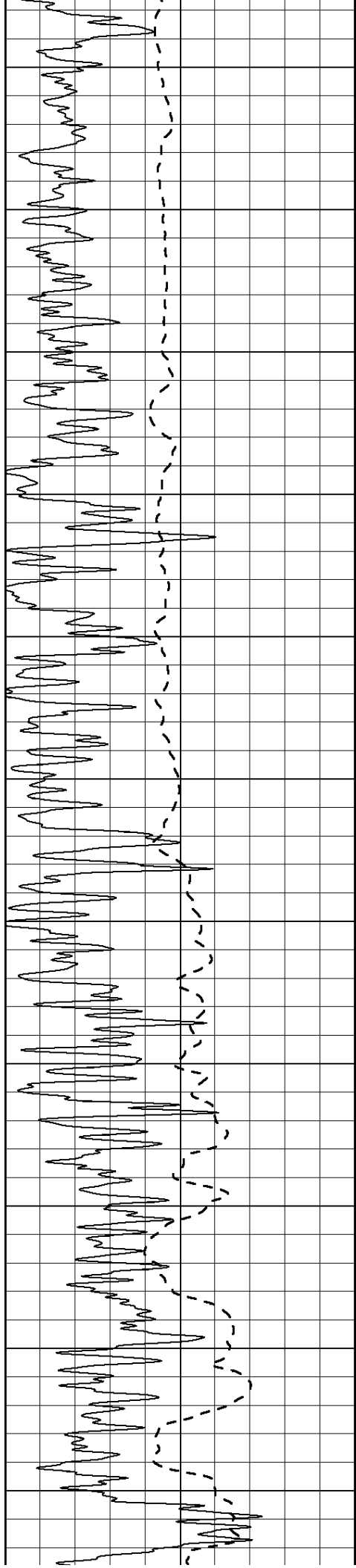
50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

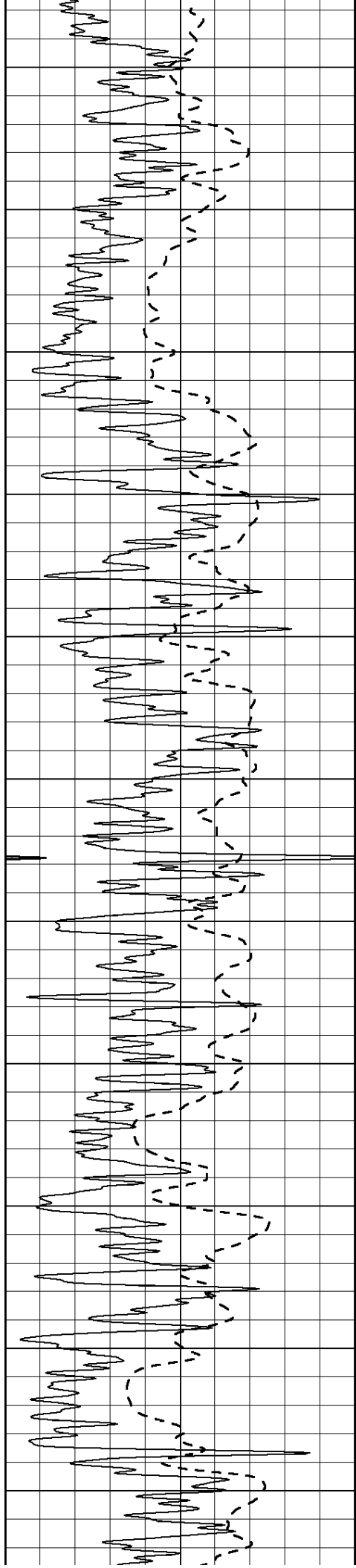












2100

2150

2200

2250

2300

2350

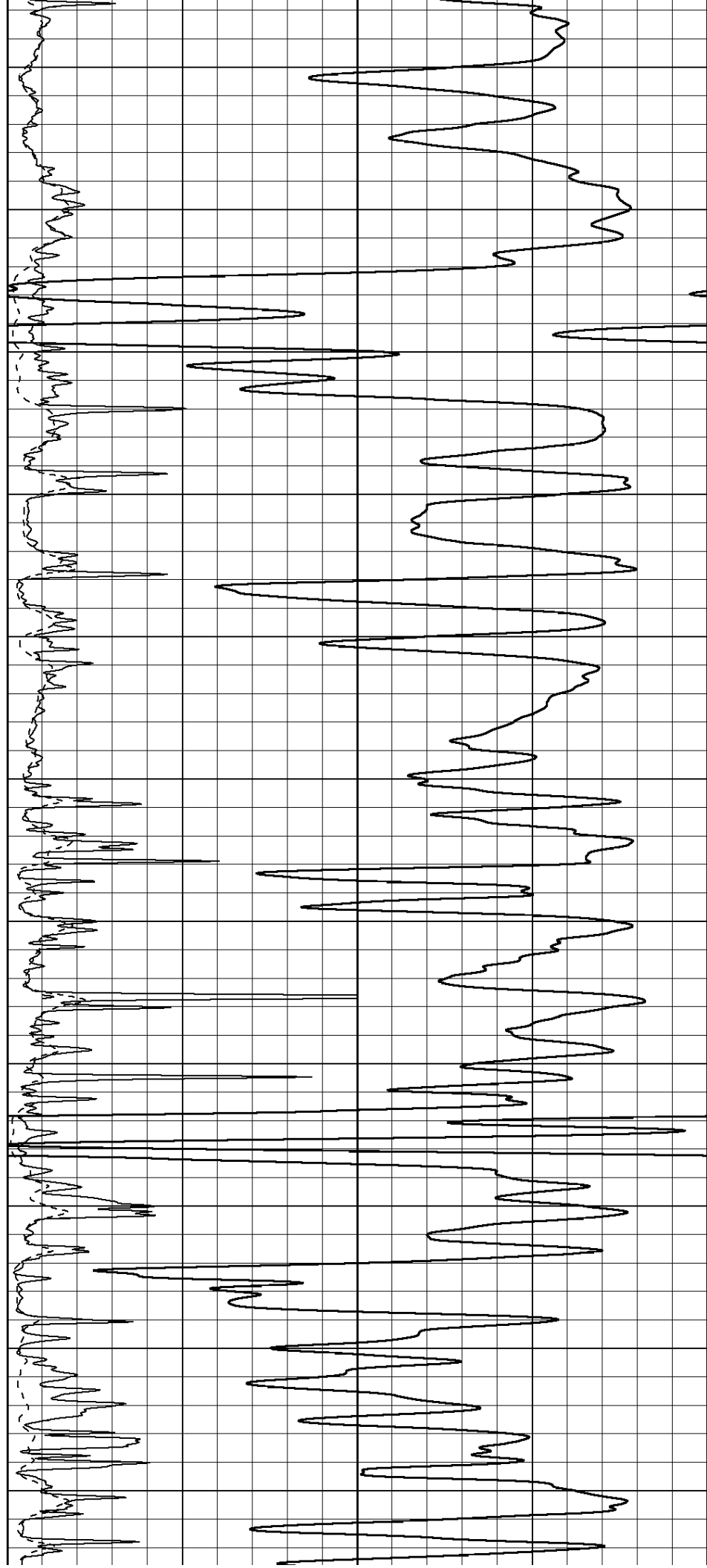
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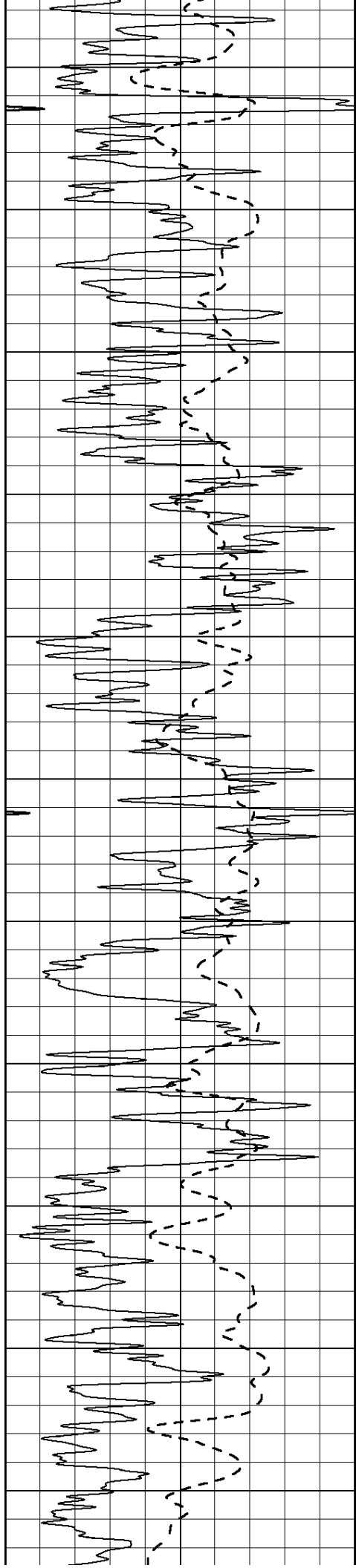
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2500

2550

2600





2650

2700

2750

2800

2850

2900

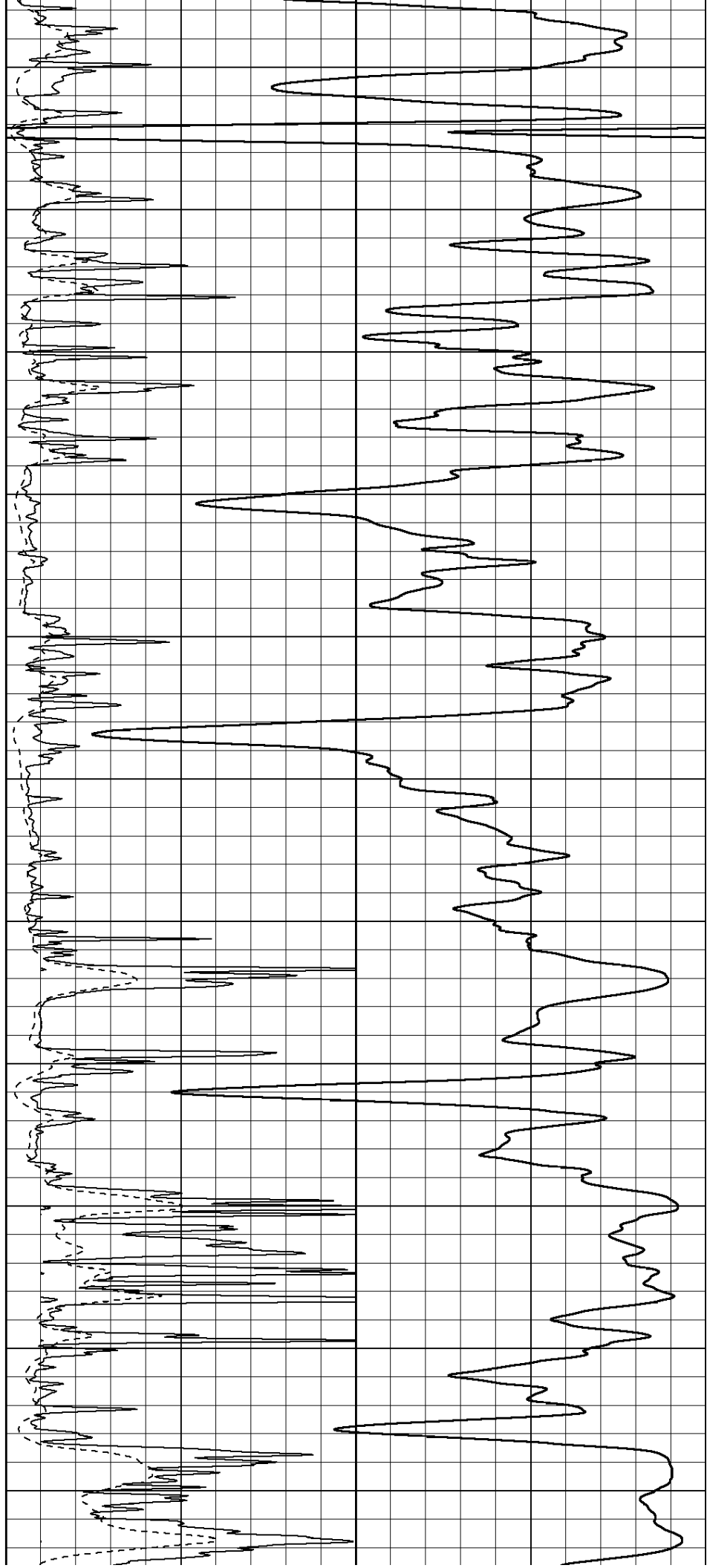
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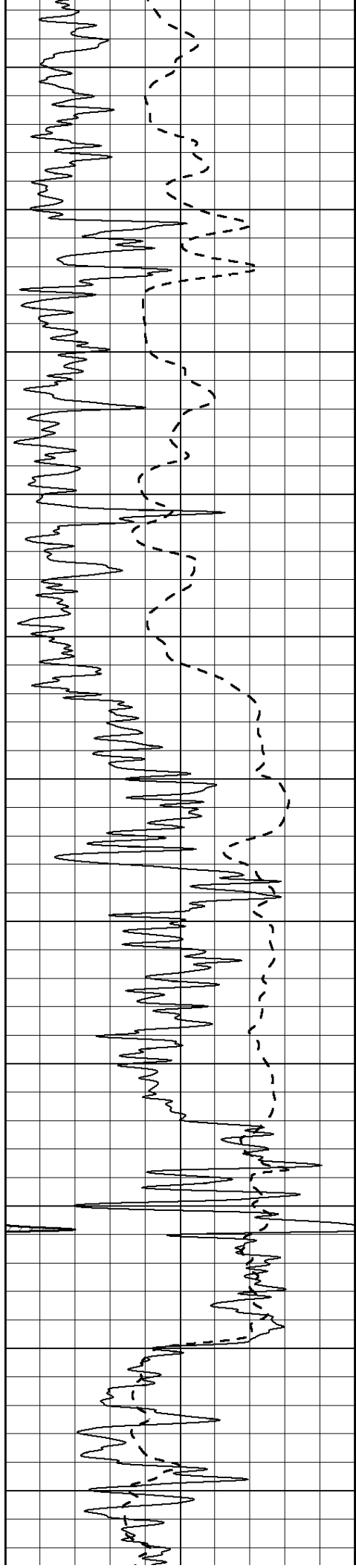
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3050

3100

3150





3200

3250

3300

3350

3400

3450

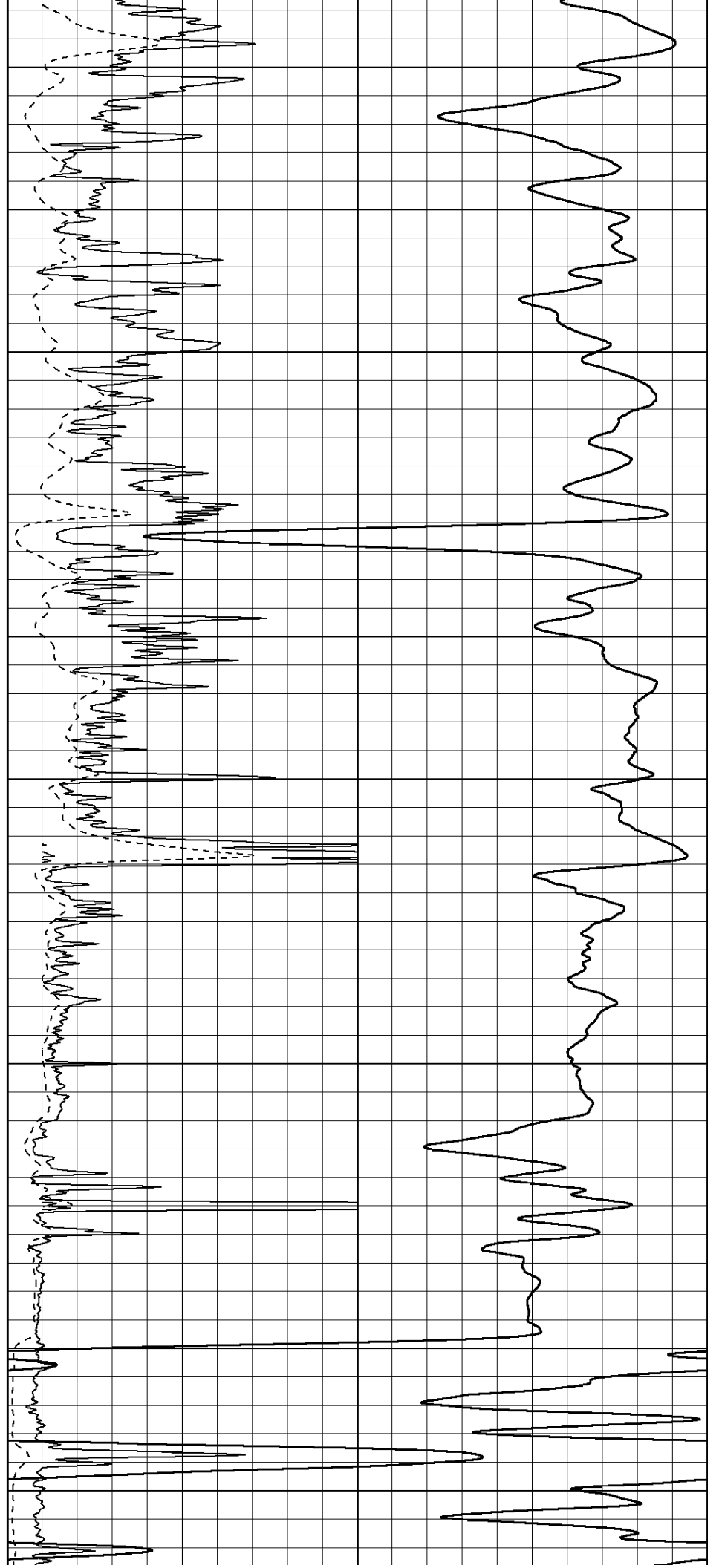
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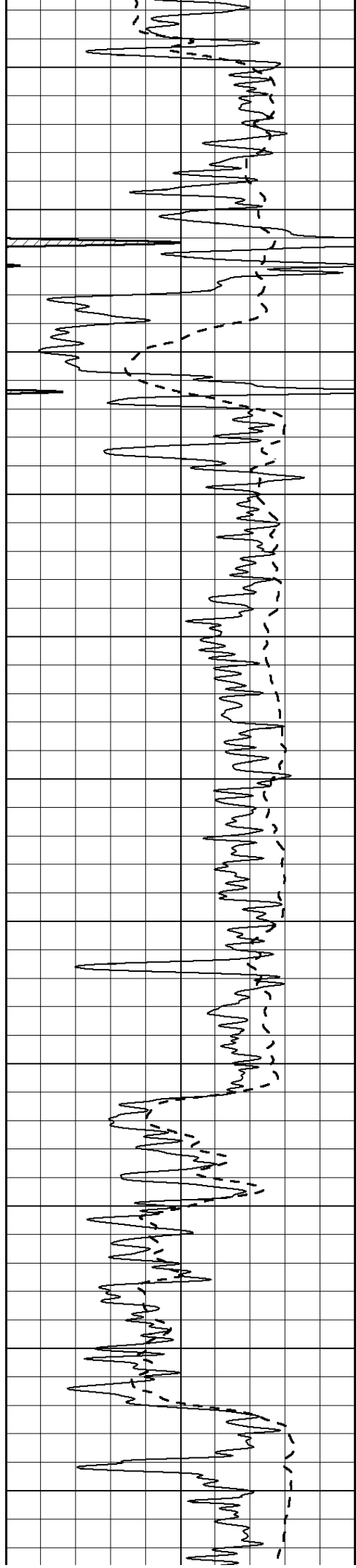
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3600

3650

3700





3750

3800

3850

3900

3950

4000

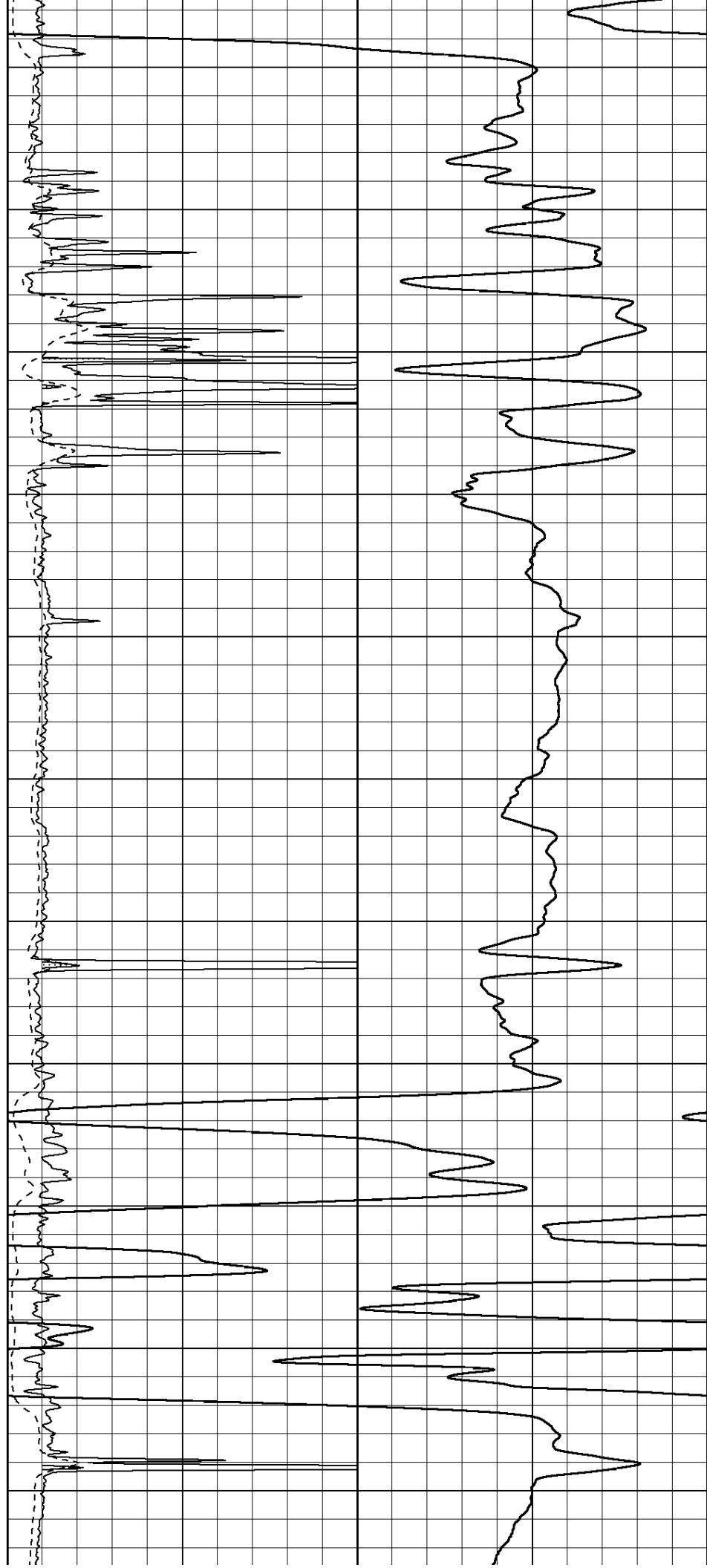
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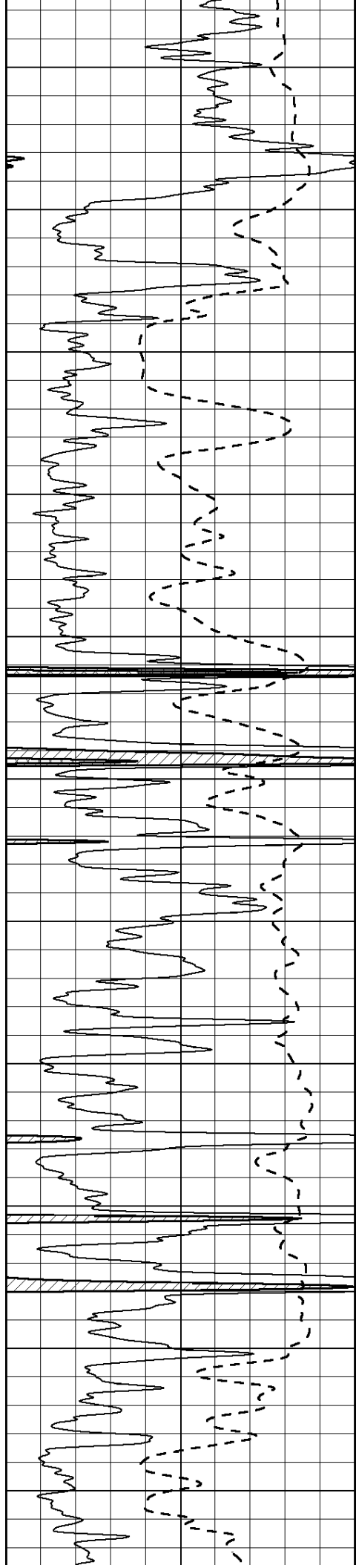
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4150

4200

4250





4300

4350

4400

4450

4500

4550

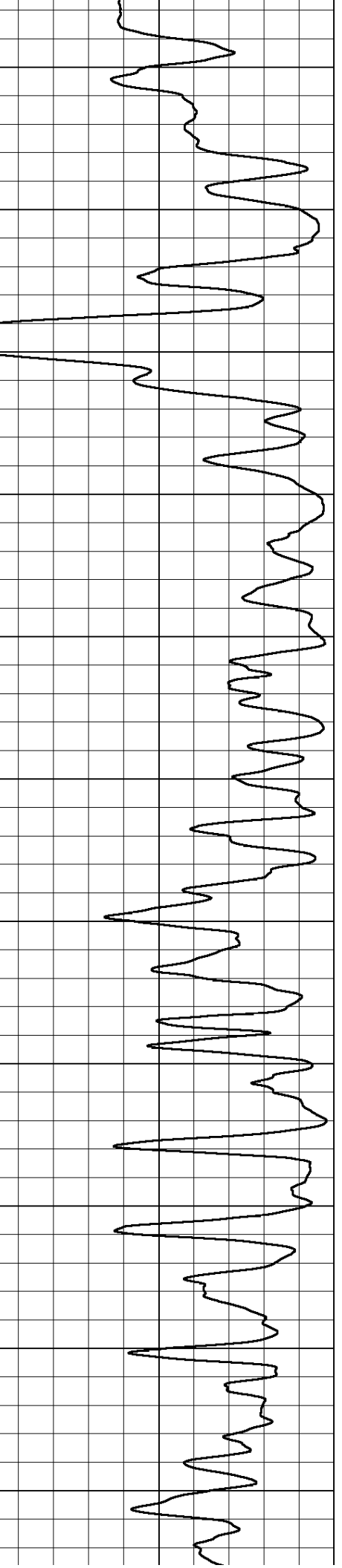
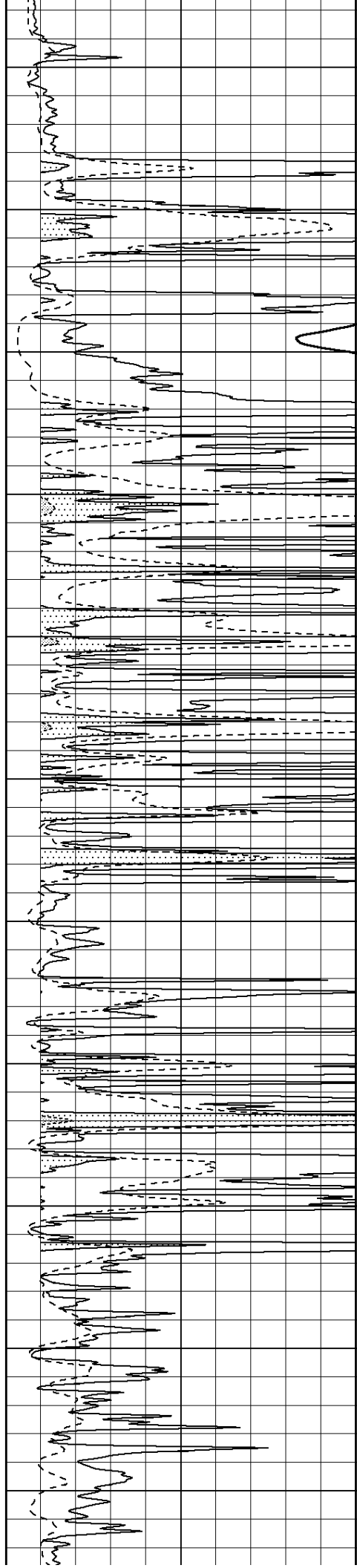
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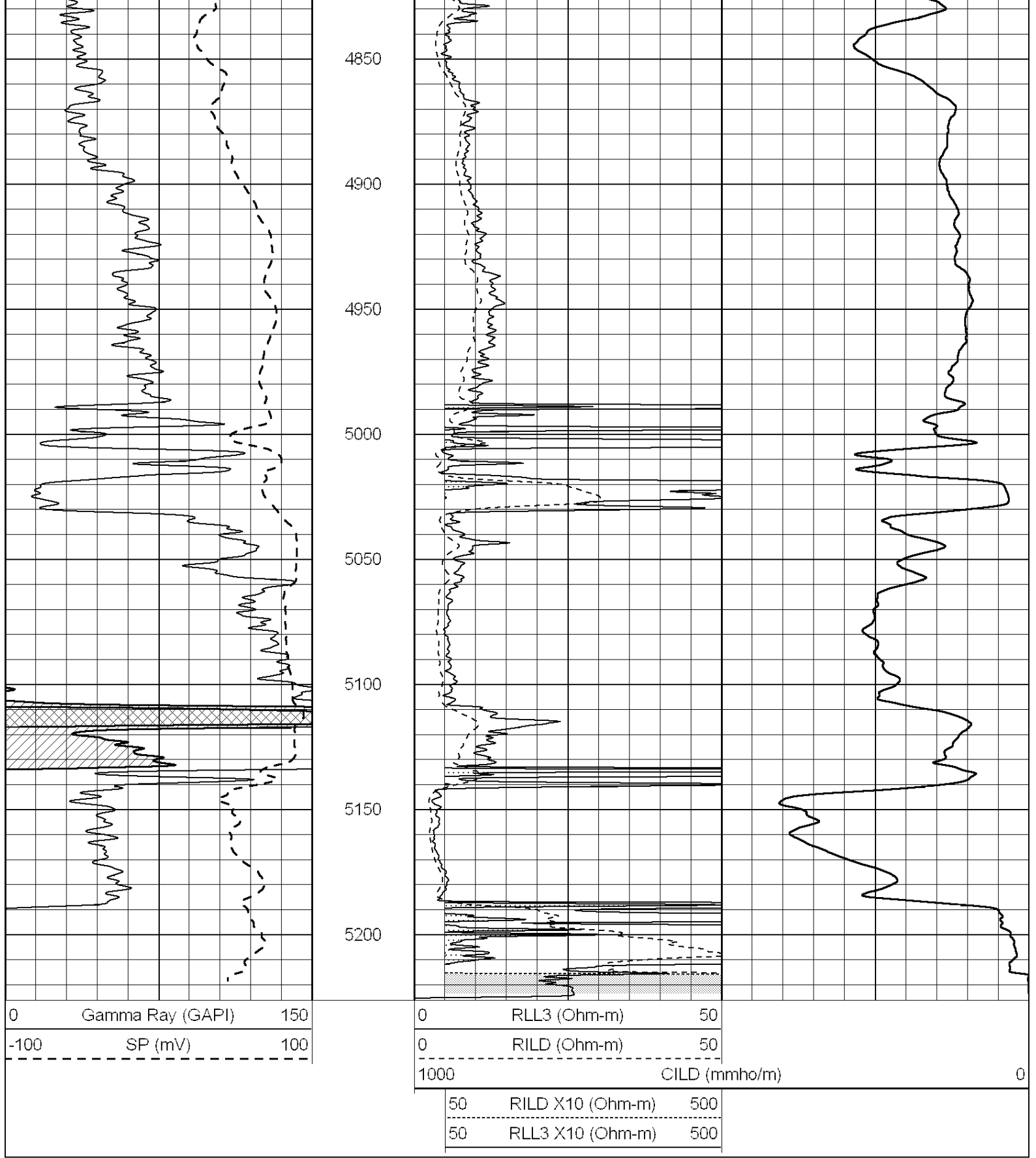
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4750

4800







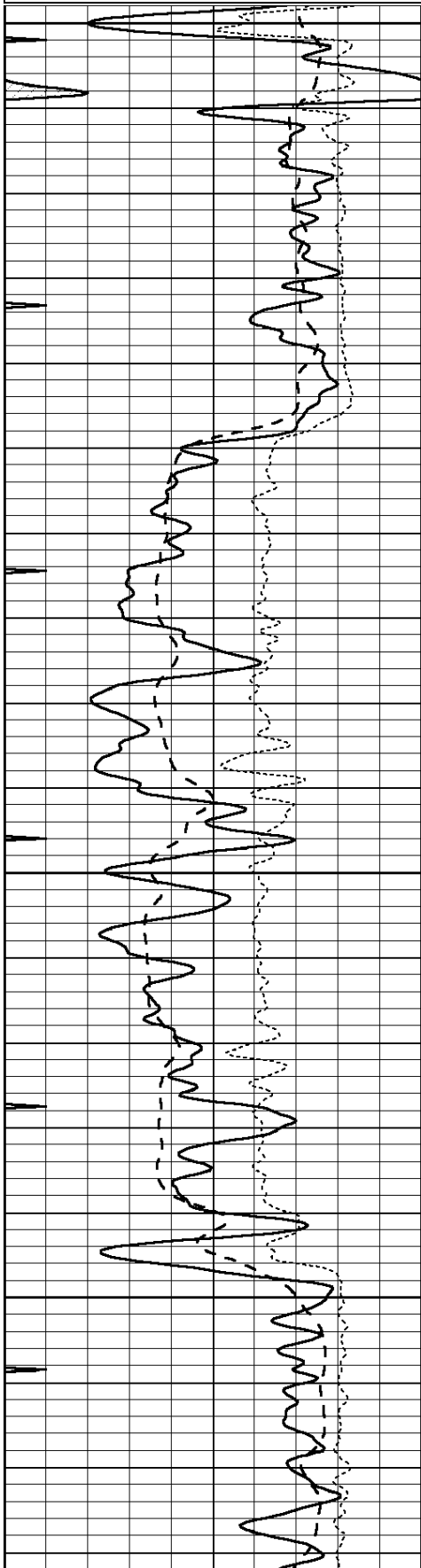
SUPERIOR  
Hays,  
Kansas

# MAIN SECTION

Database File: 005583pe.db  
Dataset Pathname: pass3.12  
Presentation Format: dil

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10

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

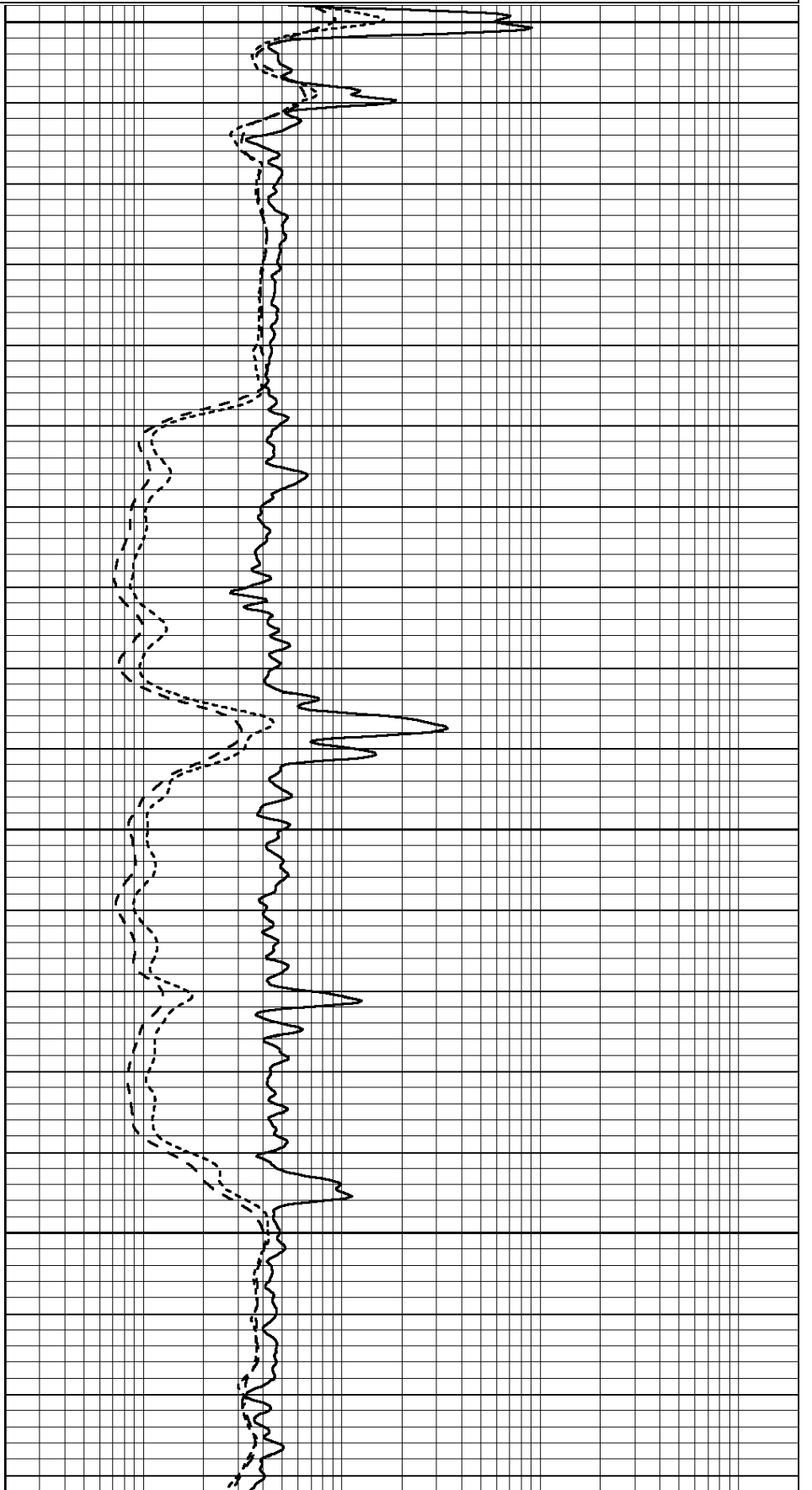


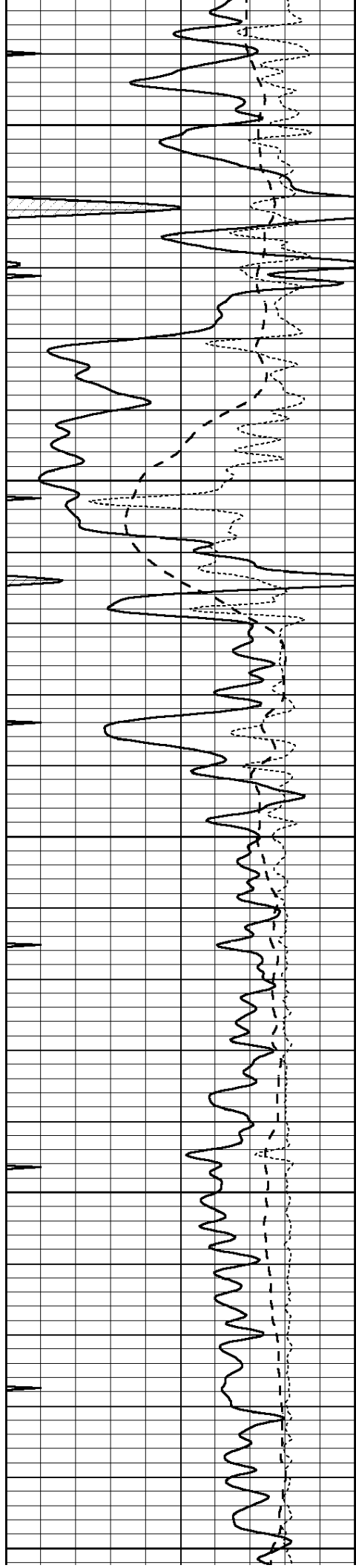
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3650

3700

3750





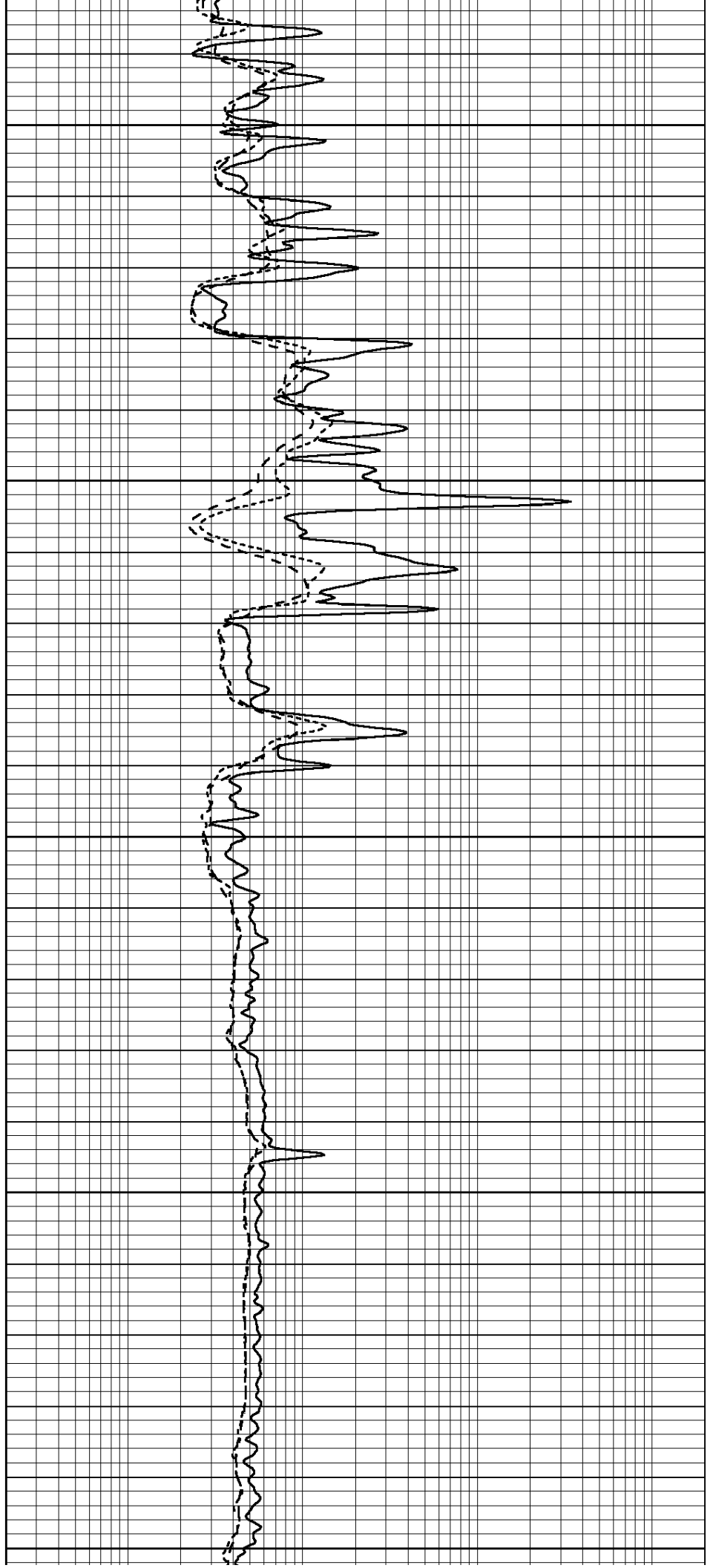
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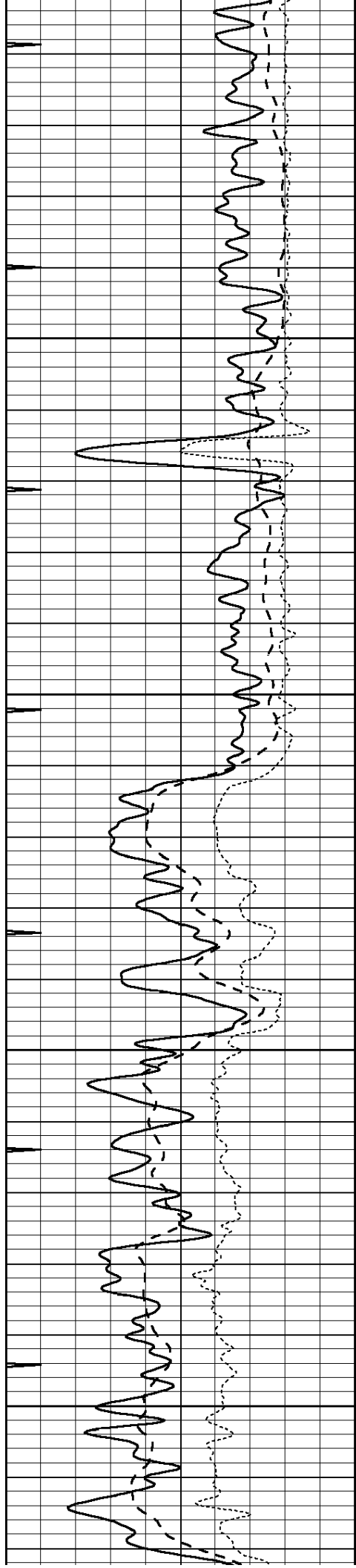
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3900

3950

4000



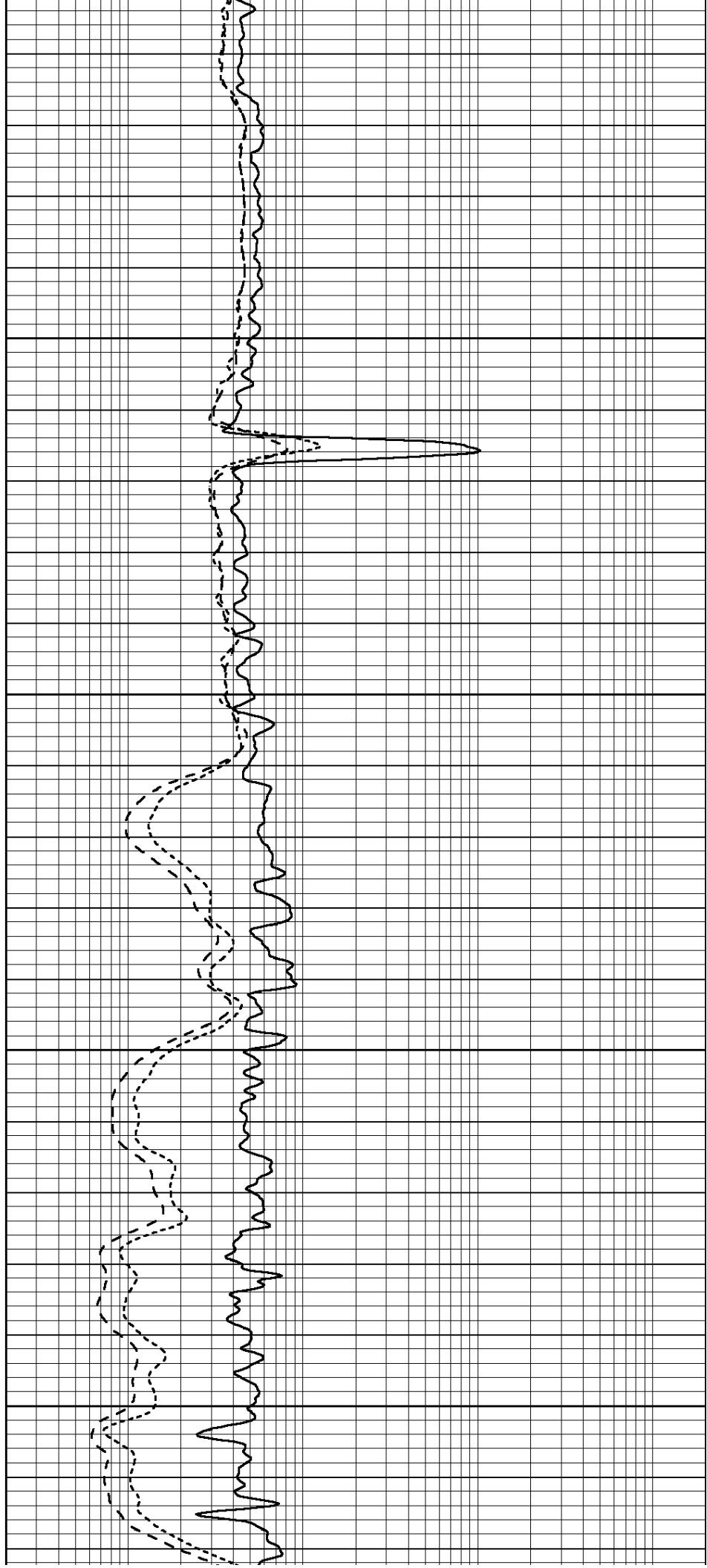


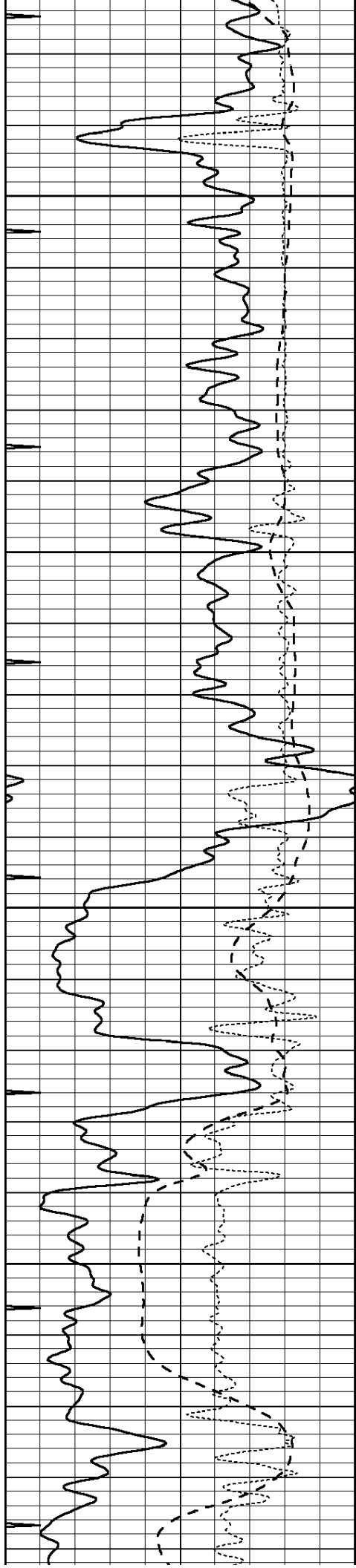
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4150

4200



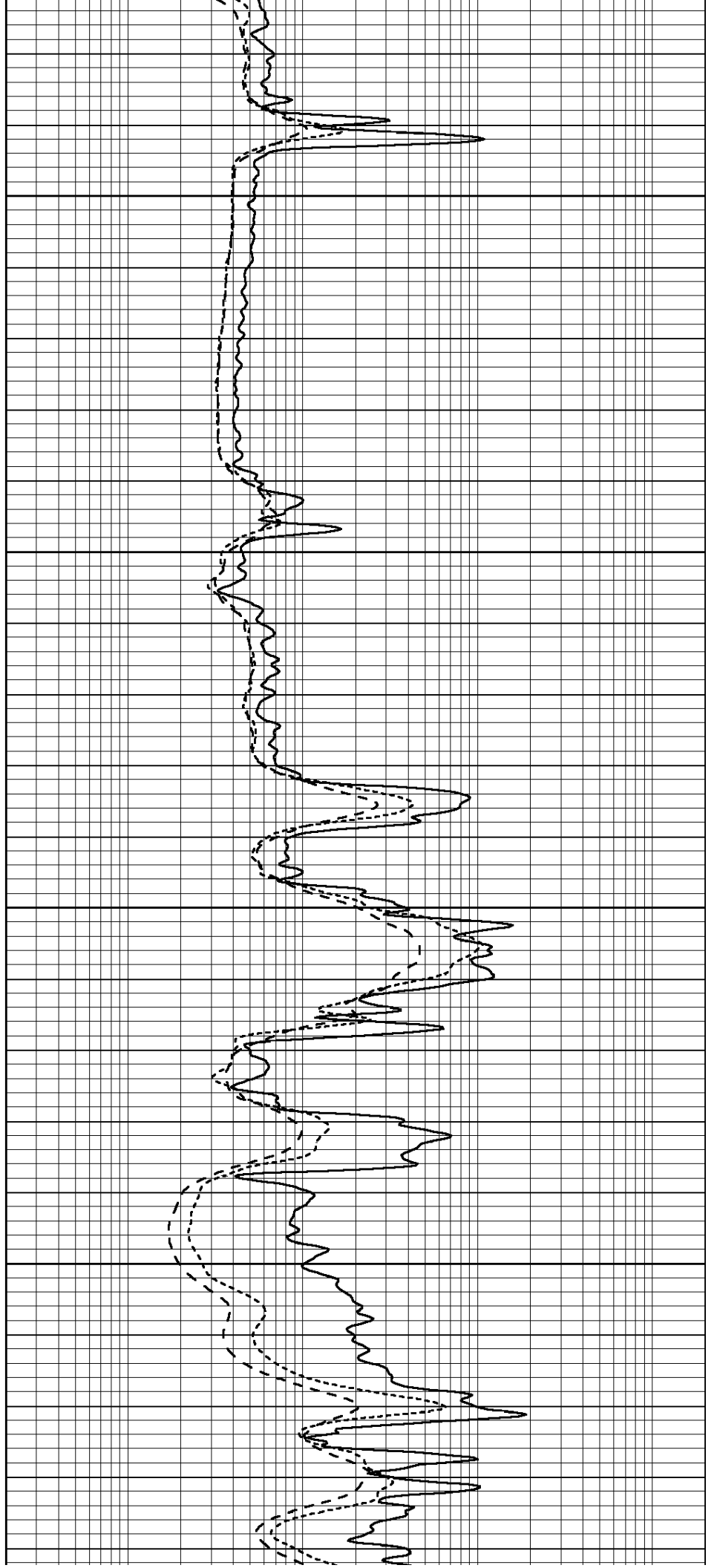


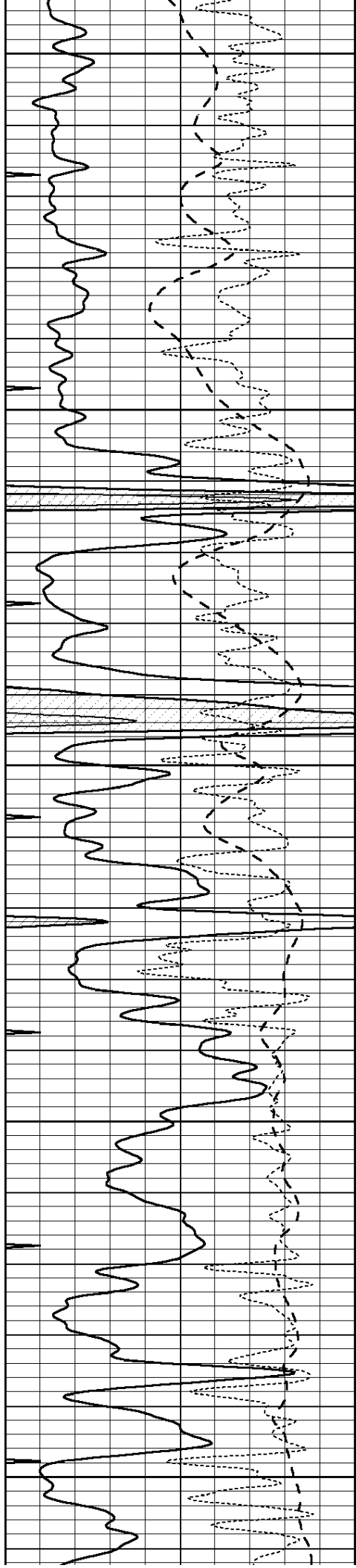
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4300

4350

4400





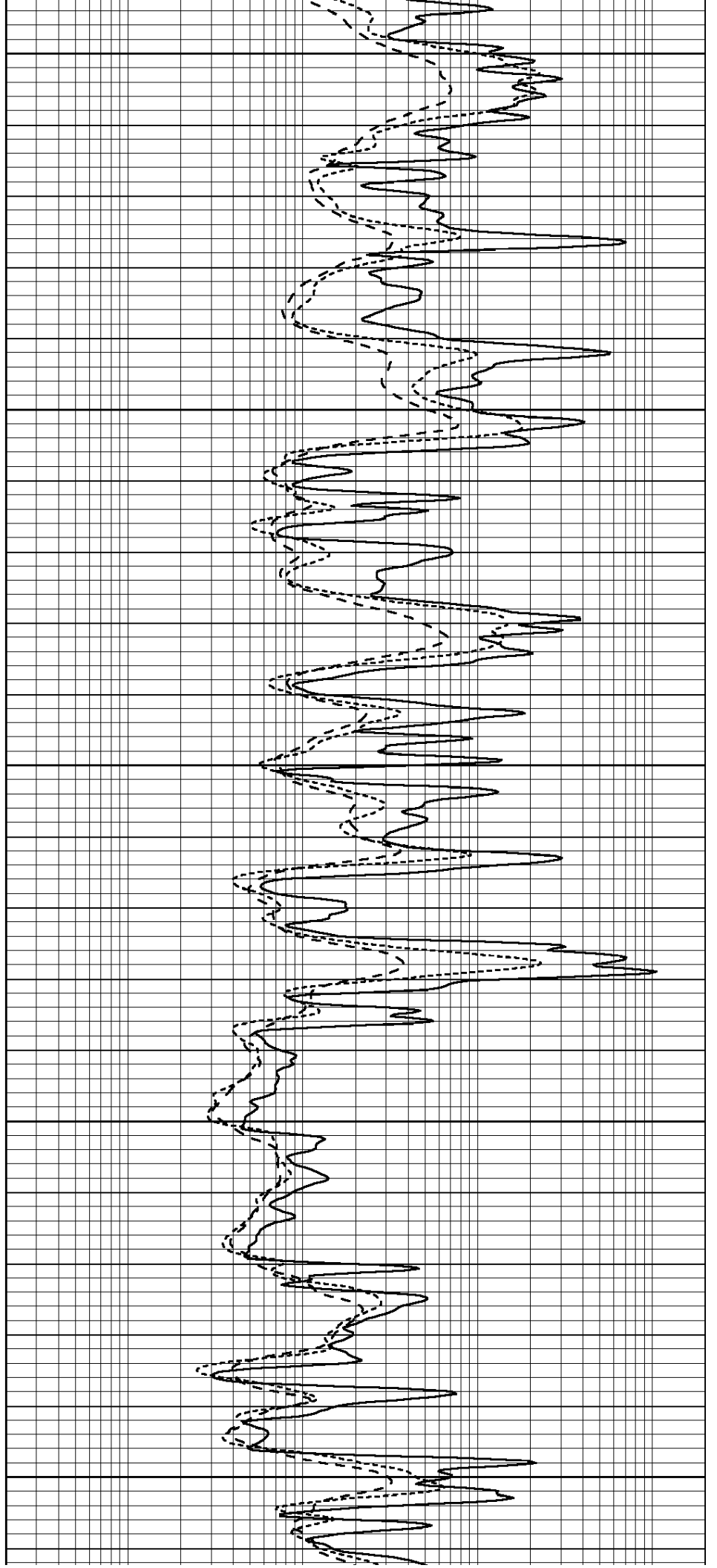
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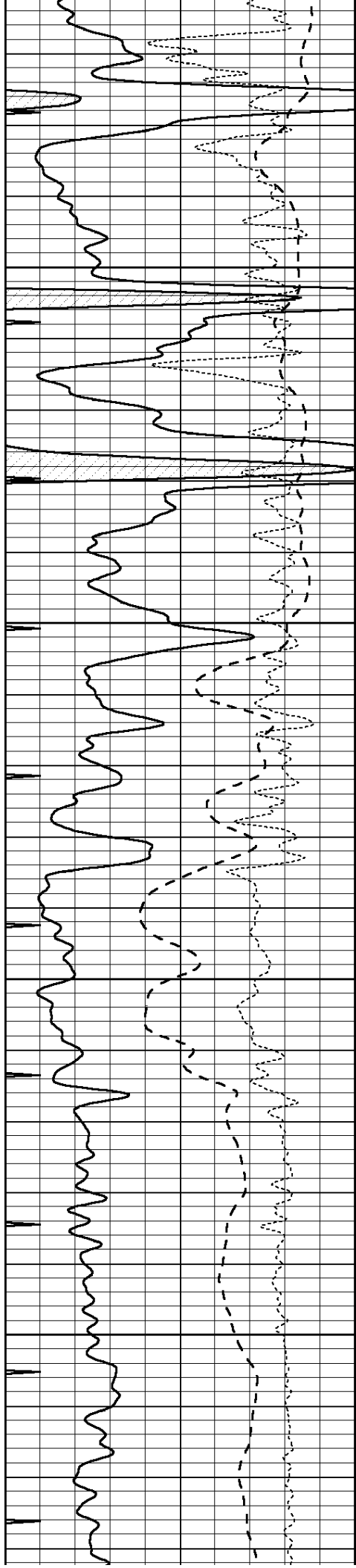
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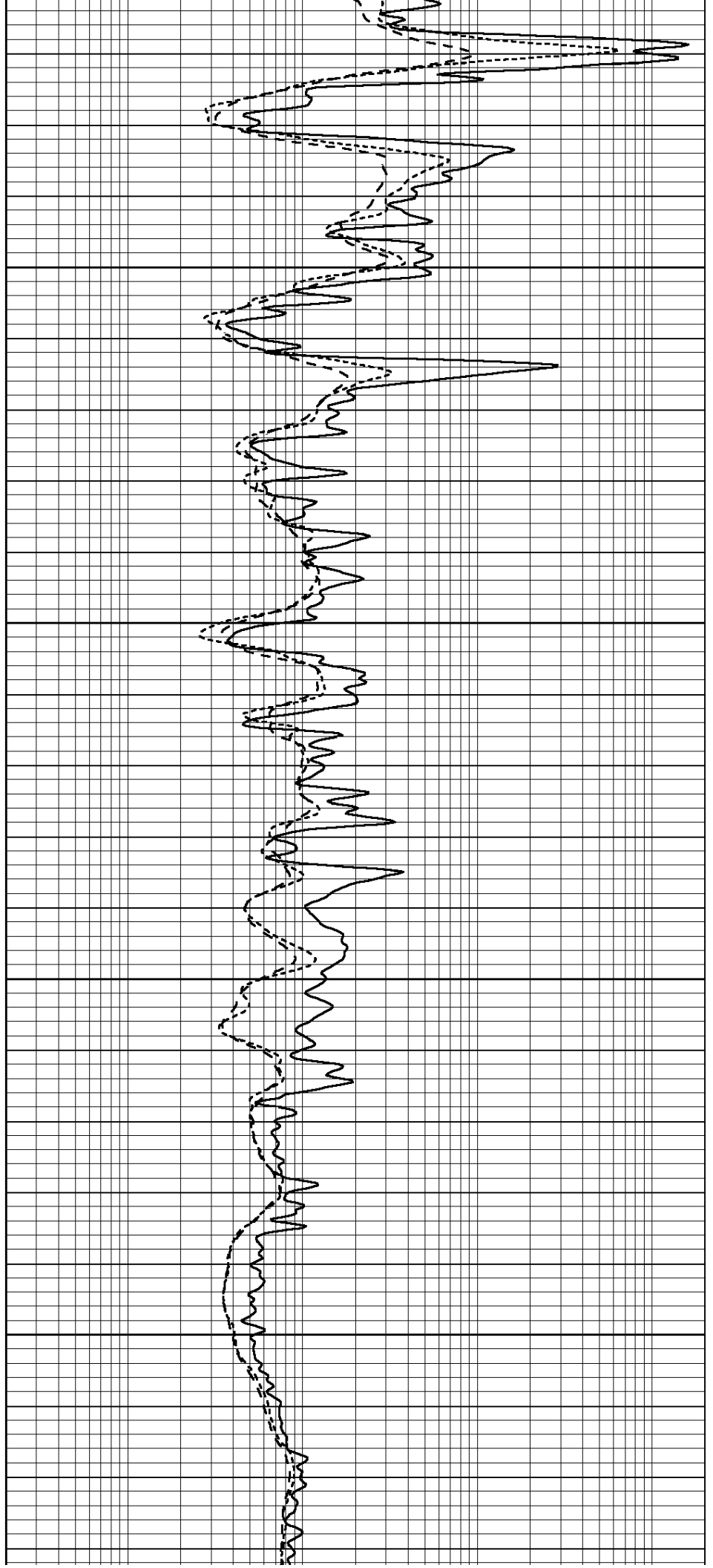


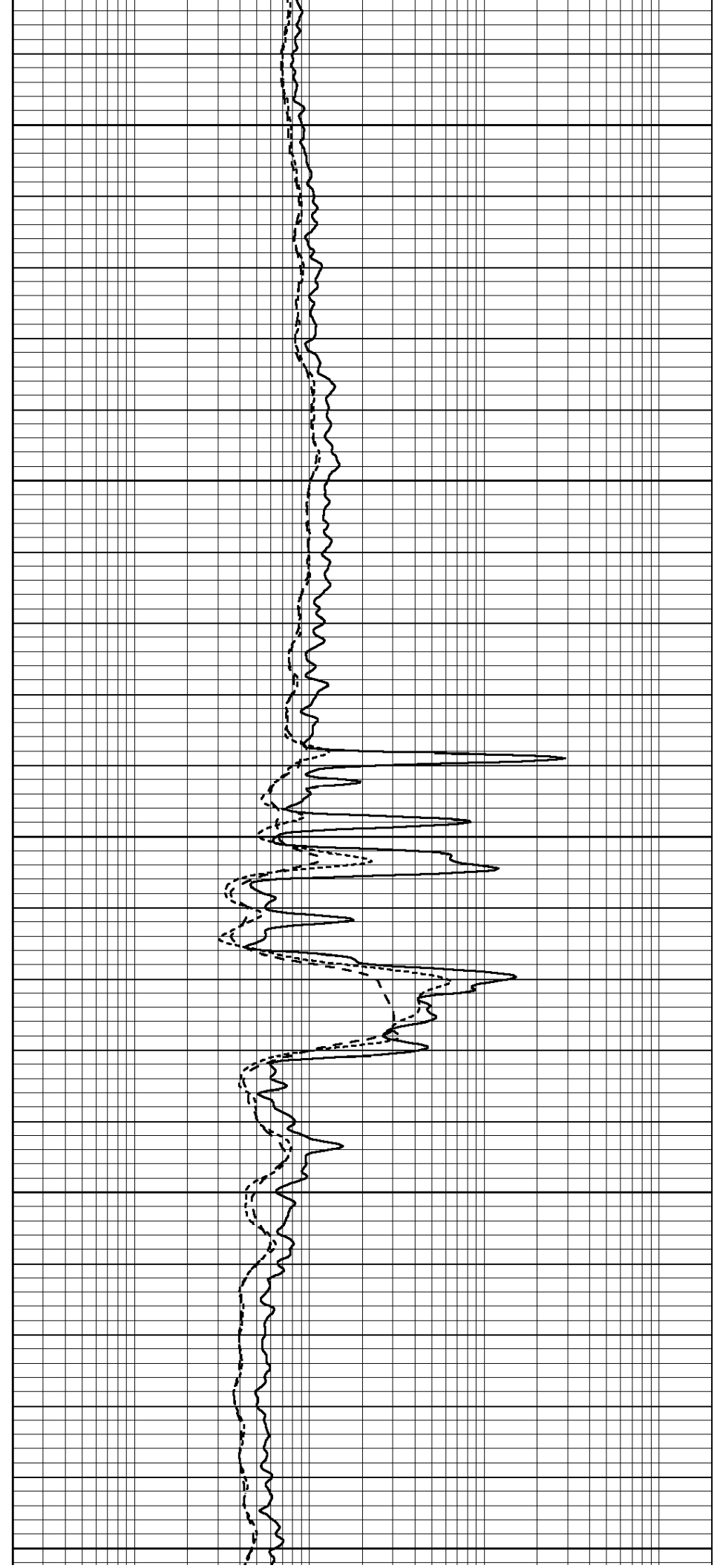
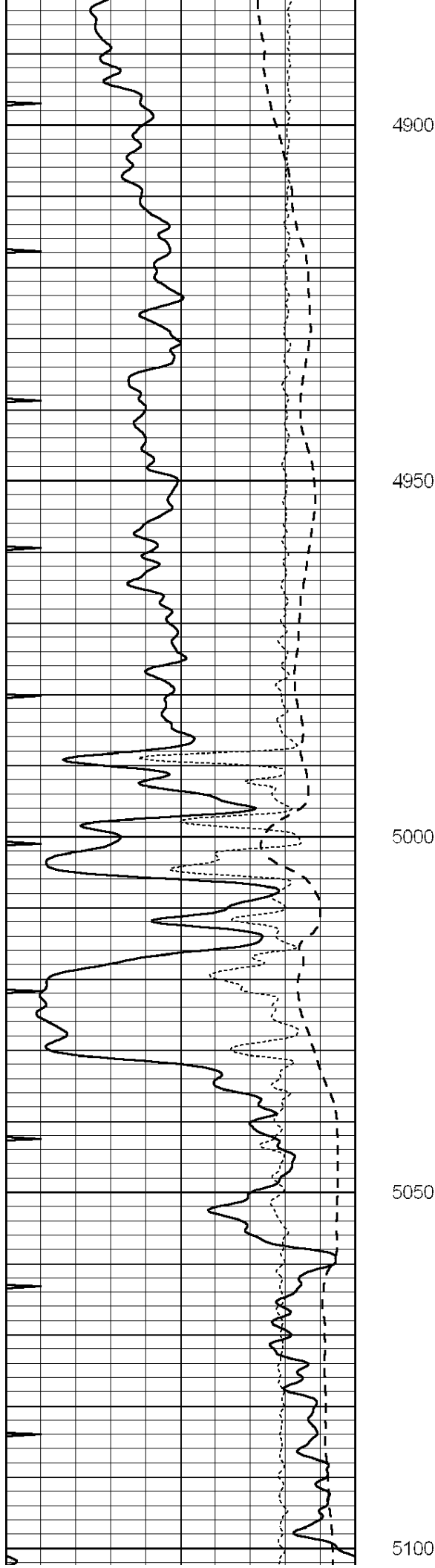
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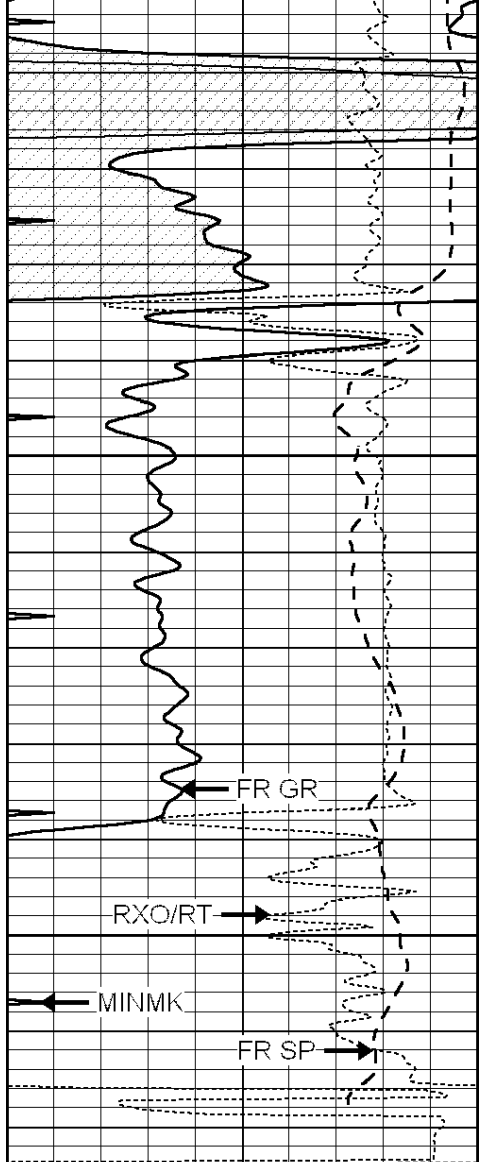
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4850







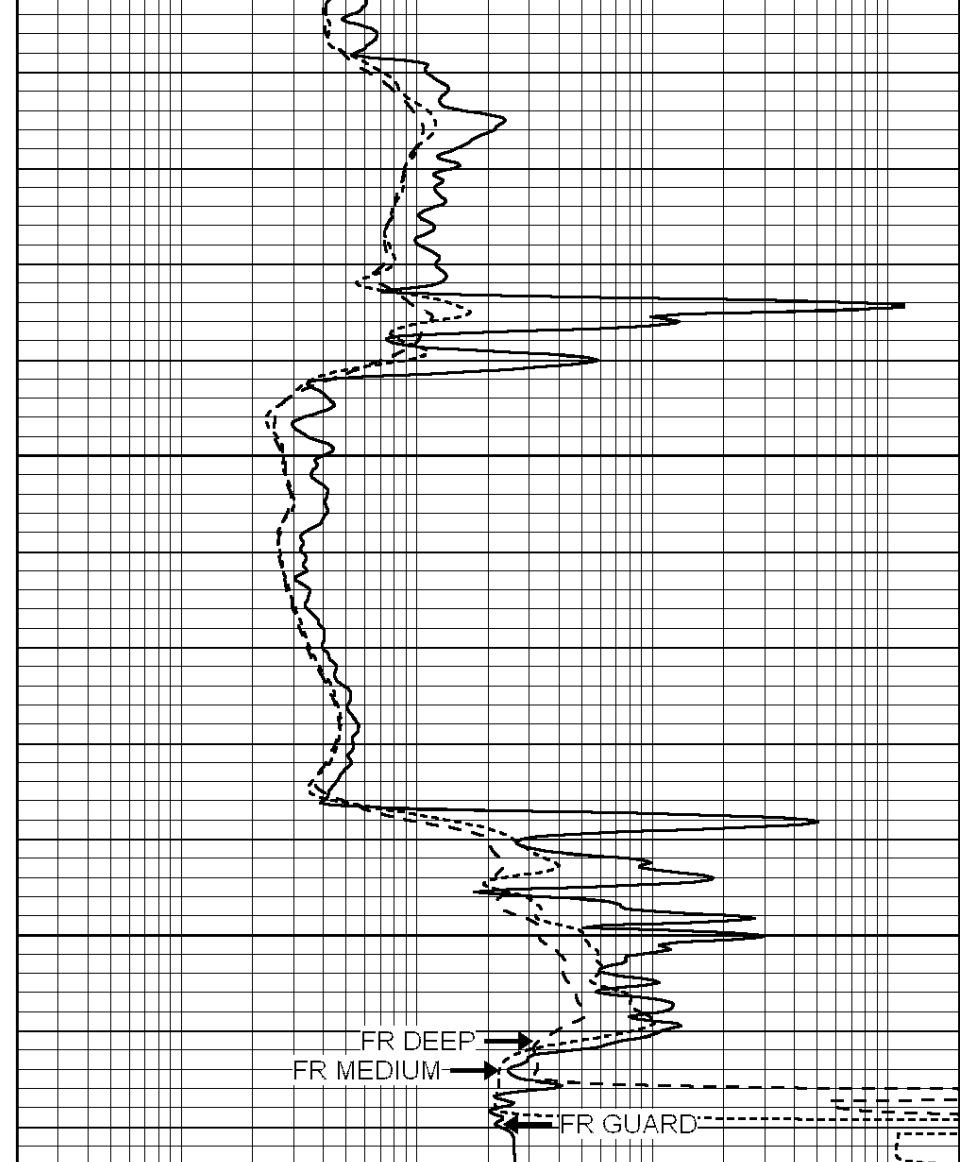


5150

5200

LTD 5222

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	10



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



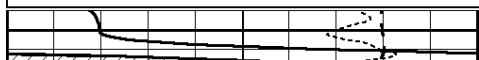
SUPERIOR  
Hays,  
Kansas

# REPEAT SECTION

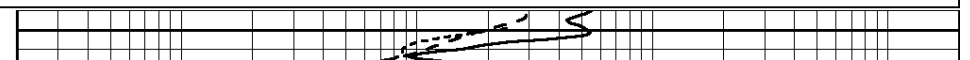
Database File: 005583pe.db  
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 Presentation Format: dil  
 Dataset Creation: Sun Aug 15 16:21:53 2010 by Calc Open-Cased 090629  
 Charted by: Depth in Feet scaled 1:240

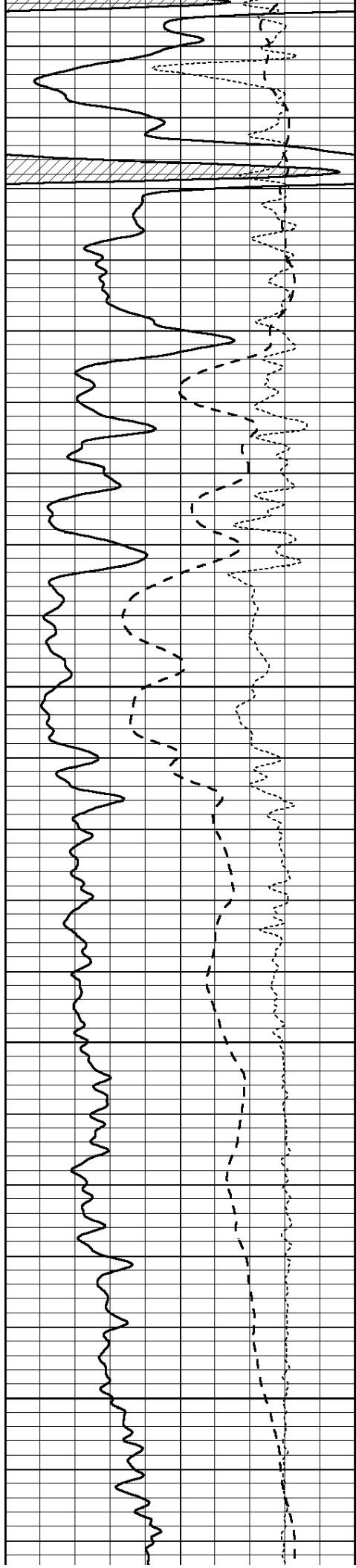
0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

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



4700



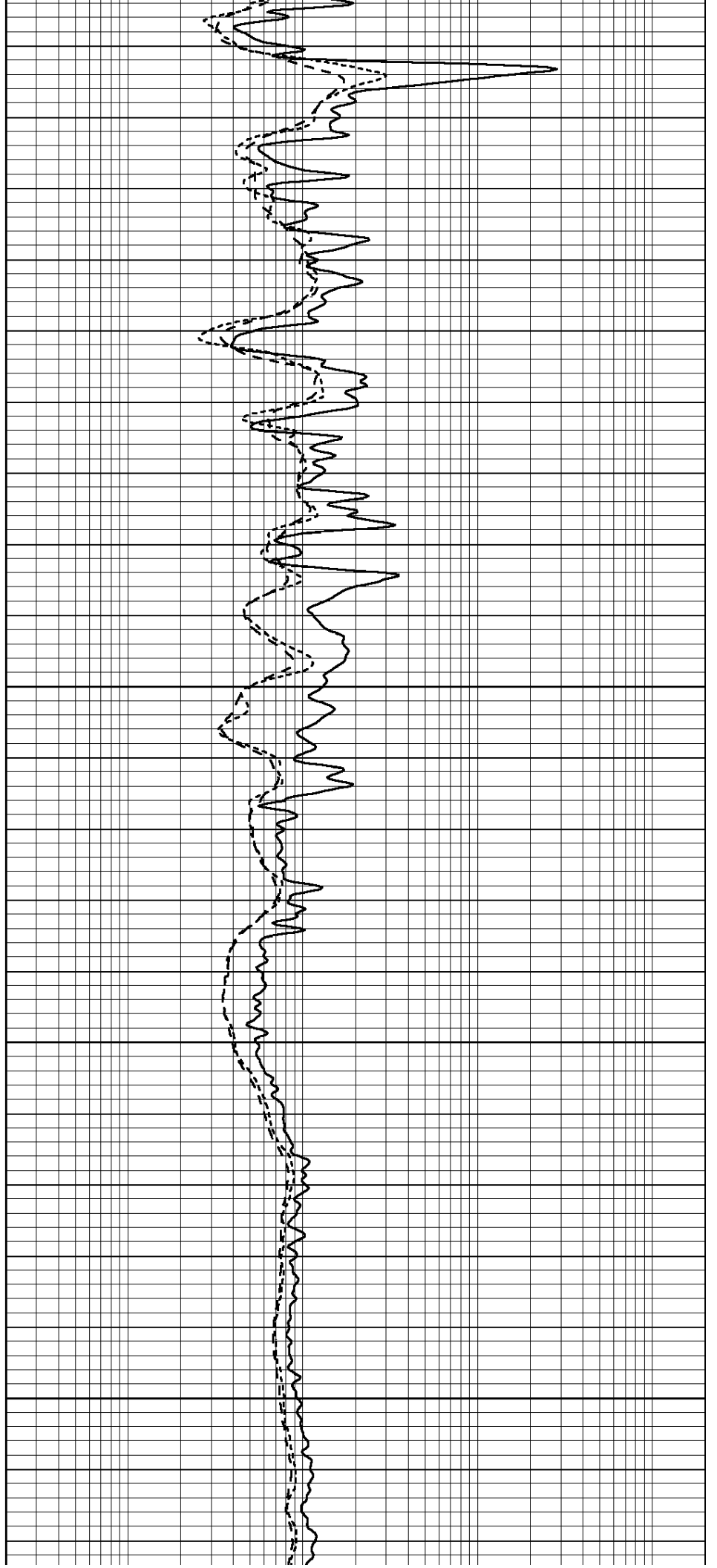


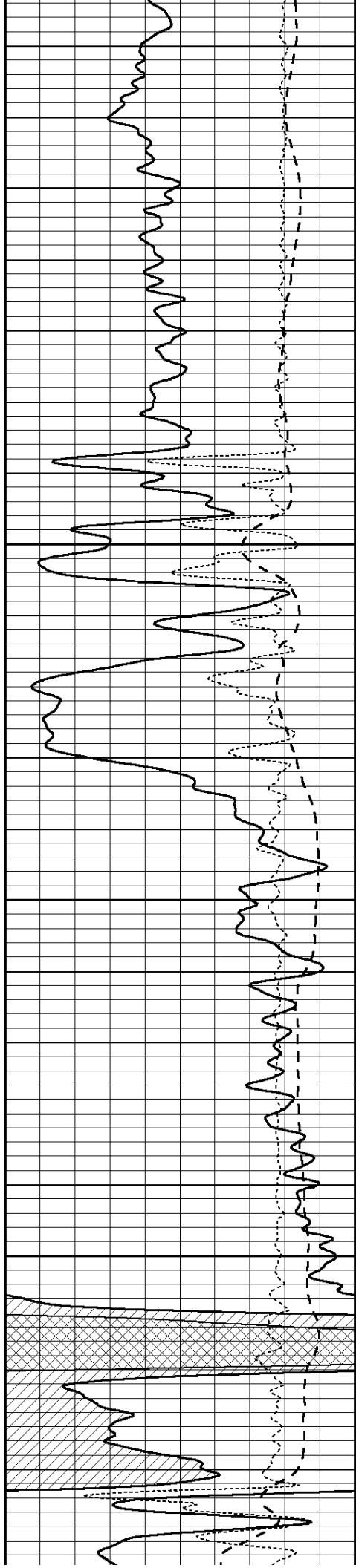
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4800

4850

4900



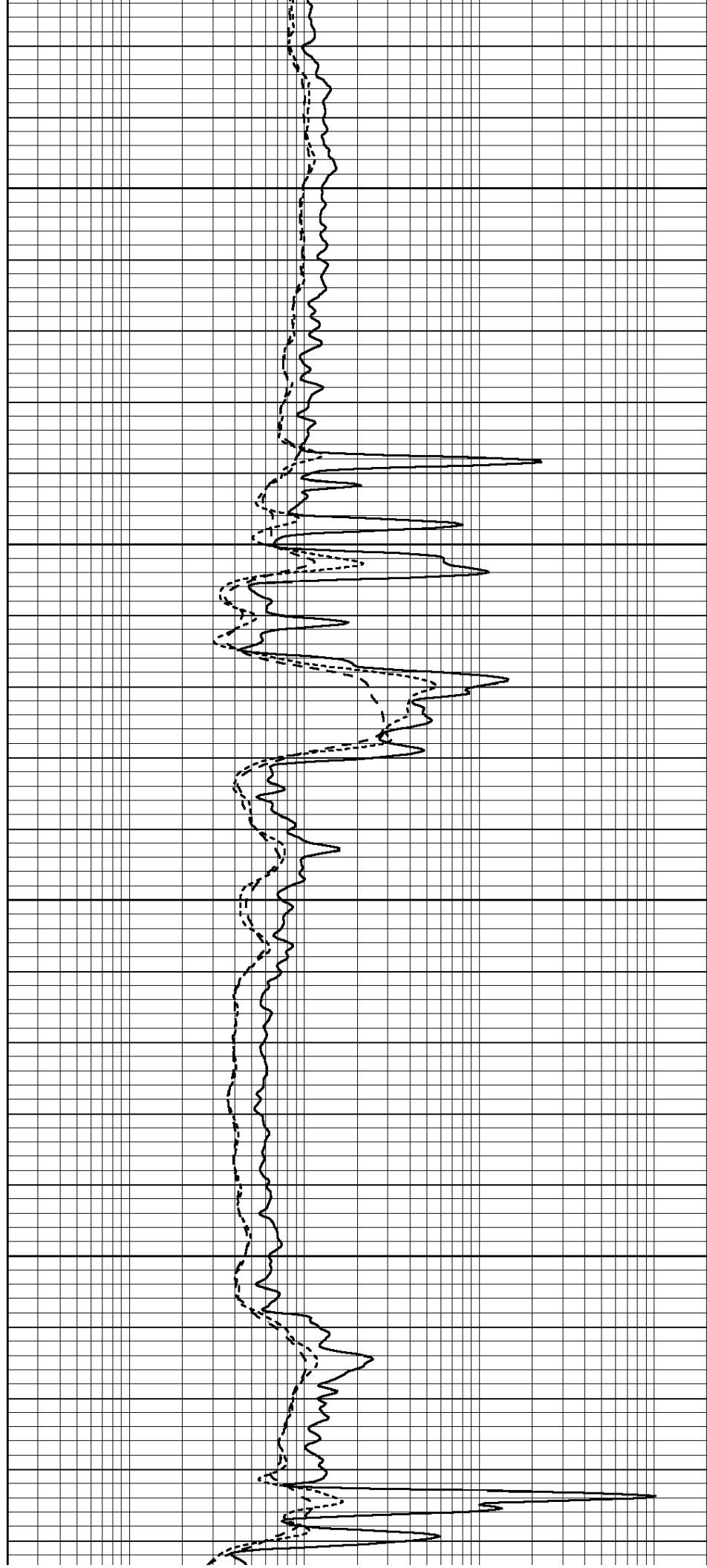


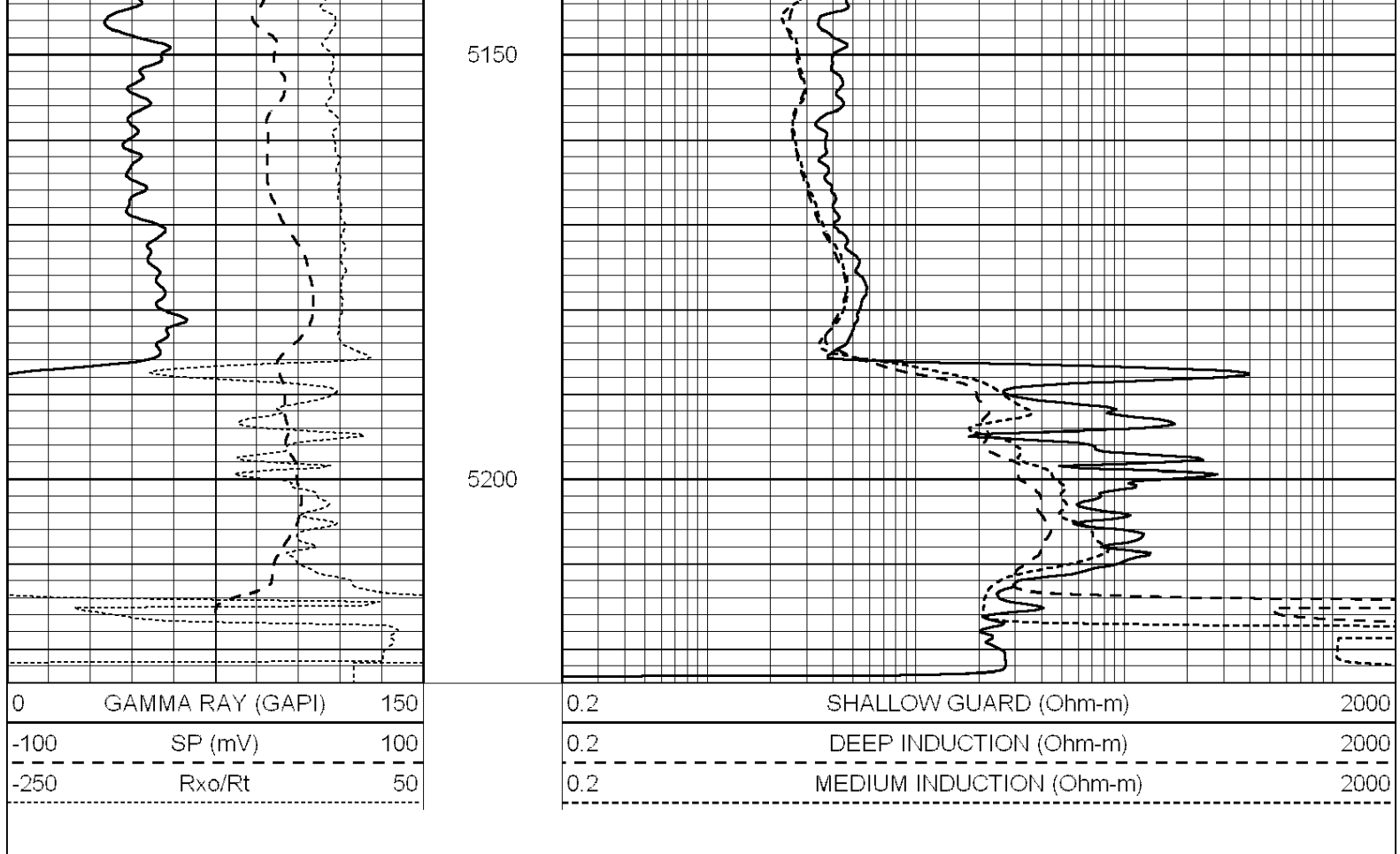
4950

5000

5050

5100





### Calibration Report

Database File: 005583pe.db  
 Dataset Pathname: pass3.12  
 Dataset Creation: Sun Aug 15 16:30:12 2010 by Calc Open-Cased 090629

### Dual Induction Calibration Report

Serial-Model: DIL6-GEAR  
 Performed: Sun Aug 15 13:35:29 2010

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.001	0.644	V	0.000	400.000	mmho/m	660.000	-5.000
Medium	0.020	0.738	V	0.000	462.500	mmho/m	740.000	-25.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000
Medium	0.000	1.000	V	0.000	1.000	mmho/m	1.000	0.000

### Litho Density Calibration Report

Serial: 004N Model: PRB  
 Performed Tue Sep 08 13:49:55 2009

#### Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	1535.8	11161.3	3721.6	12498.8	cps
Window 2	1402.6	9435.7	3219.7	10417.7	cps
Window 3	1077.6	4422.0	1779.2	4753.4	cps
Window 4	337.3	342.8	337.4	343.7	cps
Long Space	0.0	8033.1	1817.0	9015.1	cps
Short Space	1.0	1071.0	1120.1	1010.0	cps

Short Space	1.2	16/1.8	1138.1	1813.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 45.5	Rib Slope	: 1.017	Density/Spine Ratio	: 0.573
Spine Angle	: 75.5	Spine Slope	: 3.865	Spine Intercept	: -19.7

Caliper

	Readings	Reference	
Low Ref	1.2	6.4	
High Ref	3.2	14.0	
	Gain: 3.8		Offset: 1.7

Compensated Neutron Calibration Report

Serial Number: NEU\_4I  
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	996.00 cps	1000.00 cps	1.0000
Long Space	977.00 cps	1000.00 cps	1.0000

Gamma Ray Calibration Report

Serial Number:	GR4
Tool Model:	OPEN
Performed:	Sun Aug 15 14:45:58 2010
Calibrator Value:	200.0 GAPI
Background Reading:	0.0 cps
Calibrator Reading:	189.0 cps
Sensitivity:	1.5000 GAPI/cps



## DRILL STEM TEST REPORT

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

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

ATTN: Joe Baker

**35-34s-12w-BA-KS**

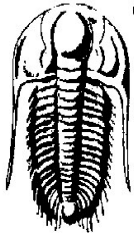
**LADNER #1**

Start Date: 2010.08.15 @ 19:54:00

End Date: 2010.08.16 @ 06:56:19

Job Ticket #: 38785                      DST #: 1

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



**TRILOBITE TESTING, INC**

# DRILL STEM TEST REPORT

Lotus Operating Company, LLC

**LADNER #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Joe Baker

**35-34s-12w-BA-KS**

Job Ticket: 38785

**DST#: 1**

Test Start: 2010.08.15 @ 19:54:00

## GENERAL INFORMATION:

Formation: **MISENER**

Deviated: No Whipstock: ft (KB)

Time Tool Opened: 22:09:00

Time Test Ended: 06:56:19

Test Type: Conventional Bottom Hole

Tester: Jake Fahrenbruch

Unit No: 43

**Interval: 5125.00 ft (KB) To 5222.00 ft (KB) (TVD)**

Reference Elevations: 1432.00 ft (KB)

Total Depth: 5222.00 ft (KB) (TVD)

1419.00 ft (CF)

Hole Diameter: 7.88 inches Hole Condition: Good

KB to GR/CF: 13.00 ft

**Serial #: 8648 Inside**

Press@RunDepth: 91.57 psig @ 5126.00 ft (KB)

Capacity: 8000.00 psig

Start Date: 2010.08.15 End Date: 2010.08.16

Last Calib.: 2010.08.16

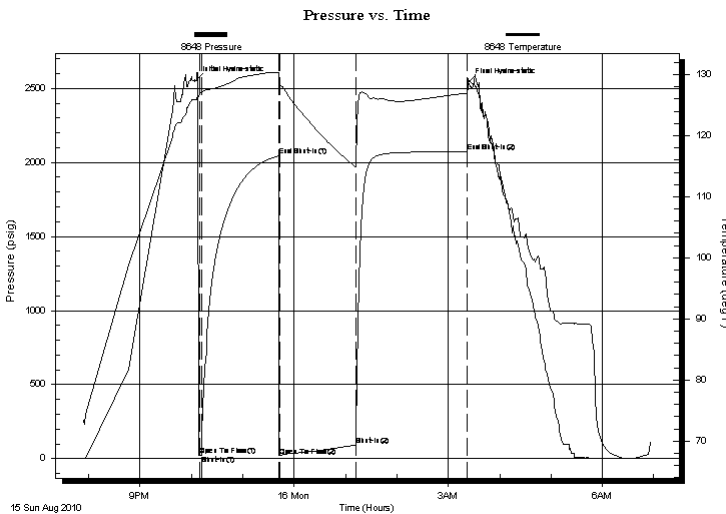
Start Time: 19:54:05 End Time: 06:56:20

Time On Btm: 2010.08.15 @ 22:04:20

Time Off Btm: 2010.08.16 @ 03:23:39

**TEST COMMENT:** IF: Strong blow, BOB 40 seconds.  
IS: Bled off, no blow back.  
FF: Strong blow, BOB immediately, GTS 36 minutes.  
FSI: Bled off, no blow back.

## PRESSURE SUMMARY



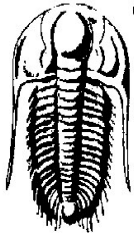
Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	2549.30	125.86	Initial Hydro-static
5	21.64	126.45	Open To Flow (1)
7	23.39	127.05	Shut-In(1)
98	2043.48	130.35	End Shut-In(1)
99	19.56	128.23	Open To Flow (2)
188	91.57	114.86	Shut-In(2)
318	2071.30	126.95	End Shut-In(2)
320	2541.42	129.13	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
60.00	SOSM -1%o +99% m	0.30

## Gas Rates

	Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)
First Gas Rate	0.13	17.00	11.75
Last Gas Rate	0.13	48.00	23.35
Max. Gas Rate	0.13	48.00	23.35



**TRILOBITE  
TESTING, INC**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Lotus Operating Company, LLC

**LADNER #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Joe Baker

**35-34s-12w-BA-KS**

Job Ticket: 38785

**DST#: 1**

Test Start: 2010.08.15 @ 19:54:00

## Mud and Cushion Information

Mud Type: Gel Chem

Mud Weight: 10.00 lb/gal

Viscosity: 49.00 sec/qt

Water Loss: 8.79 in<sup>3</sup>

Resistivity: ohm.m

Salinity: 4500.00 ppm

Filter Cake: inches

Cushion Type:

Cushion Length: ft

Cushion Volume: bbl

Gas Cushion Type:

Gas Cushion Pressure: psig

Oil API:

Water Salinity: deg API

ppm

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
60.00	SOSM - 1%o +99%m	0.295

Total Length: 60.00 ft      Total Volume: 0.295 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

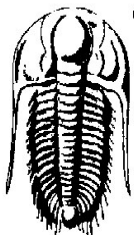
Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:





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

# DRILL STEM TEST REPORT

**GAS RATES**

Lotus Operating Company, LLC

**LADNER #1**

100 S. Main  
Suite 420  
Wichita, KS 67202-3737  
ATTN: Joe Baker

**35-34s-12w-BA-KS**

Job Ticket: 38785

**DST#: 1**

Test Start: 2010.08.15 @ 19:54:00

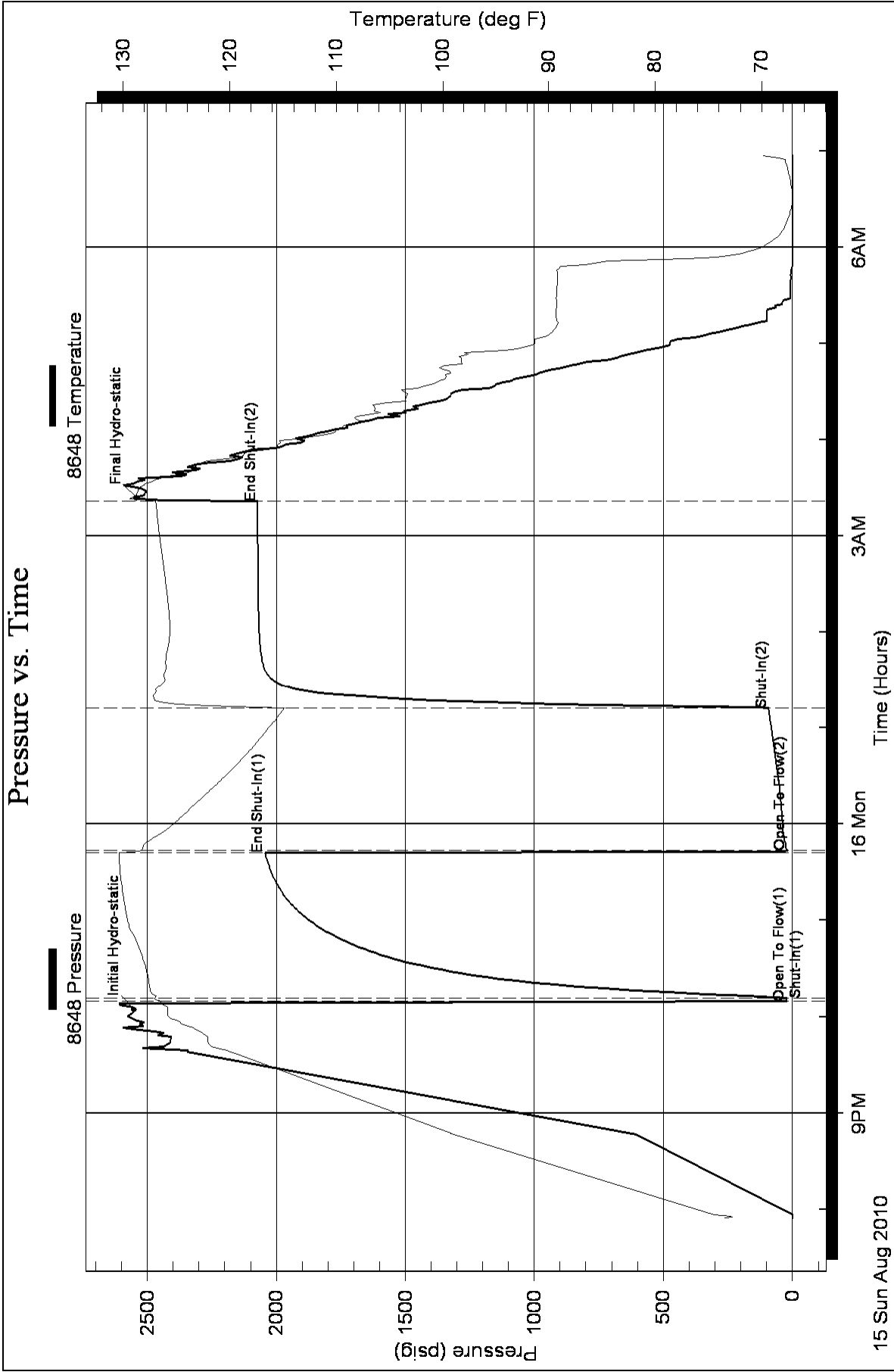
## Gas Rates Information

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

Gas Rates Table

Flow Period	Elapsed Time	Choke (mm)	Pressure (kPaa)	Gas Rate (m <sup>3</sup> /d)
2	40	0.13	17.00	11.75
2	50	0.13	25.00	14.75
2	60	0.13	30.00	16.62
2	70	0.13	38.00	19.61
2	80	0.13	44.00	21.86
2	90	0.13	48.00	23.35

### Pressure vs. Time



RECEIVED

AUG 19 2010



PO BOX 31 Russell, KS 67665

INVOICE

Invoice Number: 124017

Invoice Date: Aug 9, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

Bill To:

Lotus Operating Co., LLC
Lotus Exploration Co.
100 S. Main, STE 420
Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

Table with 4 columns: Customer ID, Well Name# or Customer P.O., Service Date, Due Date. Rows include Lotus, Ladner #1, KS1-01, Medicine Lodge, Aug 9, 2010, 9/8/10.

Main invoice table with 5 columns: Quantity, Item, Description, Unit Price, Amount. Includes items like MAT, SER, Handling, Mileage, Surface, Pump Truck Mileage.

ENTERED
AUG 23 2010

GL# 9208
DESC. Cement surf csg
w/ 225 sx 6040 pozmix
WELL # Ladner

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

\$ 1373.49

ONLY IF PAID ON OR BEFORE Sep 3, 2010

Summary table with 2 columns: Description, Amount. Rows: Subtotal (5,493.95), Sales Tax (244.88), Total Invoice Amount (5,738.83), Payment/Credit Applied, TOTAL (5,738.83).

-1,373.49
4,365.34





PO BOX 31 Russell, KS 67665

**RECEIVED**

AUG 26 2010

**INVOICE**

Invoice Number: 124157

Invoice Date: Aug 16, 2010

Page: 1

Voice: (785) 483-3887

Fax: (785) 483-5566

<b>Bill To:</b>
Lotus Operating Co., LLC Lotus Exploration Co. 100 S. Main, STE 420 Wichita, KS 67202

Federal Tax I.D.#: 20-5975804

Customer ID	Well Name# or Customer P.O.	Payment Terms	
Lotus	Ladner #1	Net 30 Days	
Job Location	Camp Location	Service Date	Due Date
KS1-02	Medicine Lodge	Aug 16, 2010	9/15/10

Quantity	Item	Description	Unit Price	Amount
30.00	MAT	Class A Common	15.45	463.50
20.00	MAT	Pozmix	8.00	160.00
2.00	MAT	Gel	20.80	41.60
250.00	MAT	ASC Class A	18.60	4,650.00
1,250.00	MAT	Kol Seal	0.89	1,112.50
117.50	MAT	FL-160	13.30	1,562.75
62.50	MAT	Flo Seal	2.50	156.25
250.00	SER	Handling	2.40	600.00
18.00	SER	Mileage 250 sx @ .10 per sk per mi	25.00	450.00
1.00	SER	Production Casing	2,092.00	2,092.00
18.00	SER	Pump Truck Mileage	7.00	126.00
1.00	EQP	5.5 Top Rubber Plug	74.00	74.00
1.00	EQP	5.5 Guide Shoe	100.80	100.80
1.00	EQP	5.5 AFU Insert	112.00	112.00
1.00	EQP	5.5 Basket	161.00	161.00
5.00	EQP	5.5 Centralizer	32.20	161.00

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

\$ 2404.68

ONLY IF PAID ON OR BEFORE

Sep 10, 2010

Subtotal	12,023.40
Sales Tax	639.14
Total Invoice Amount	12,662.54
Payment/Credit Applied	
<b>TOTAL</b>	<b>12,662.54</b>

2404.68  
10,257.86

GL# 9308  
250 Cement prod csg  
w/ 250 sx 60/40 pozmu  
+ disc  
 WELL # Ladner

# ALLIED CEMENTING CO., LLC. 042199

Federal Tax I.D.# 20-5975804

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

SERVICE POINT:  
*Medicine Lodge KS*

DATE <i>081610</i>	SEC <i>35</i>	TWP. <i>34s</i>	RANGE <i>12w</i>	CALLED OUT	ON LOCATION	JOB START <i>12:00Am</i>	JOB FINISH <i>11:5Am</i>
LEASE <i>Ladner</i>	WELL # <i>1</i>	LOCATION			COUNTY <i>Barber</i>	STATE <i>KS</i>	
OLD OR NEW (Circle one)							

CONTRACTOR *Duke #7*  
 TYPE OF JOB *Production Casing*  
 HOLE SIZE *7 7/8* T.D. *5250*  
 CASING SIZE *5 1/2* DEPTH *5251*  
 TUBING SIZE DEPTH  
 DRILL PIPE DEPTH  
 TOOL DEPTH  
 PRES. MAX *1600* MINIMUM *—*  
 MEAS. LINE SHOE JOINT *30*  
 CEMENT LEFT IN CSG. *30'*  
 PERFS.  
 DISPLACEMENT *12 7/4 Bbls Fresh H<sub>2</sub>O*

EQUIPMENT  
 PUMP TRUCK CEMENTER *D. Felix*  
 # *471-302* HELPER *R. Gillay*  
 BULK TRUCK  
 # *381-* DRIVER *J. Thimesch*  
 BULK TRUCK  
 # DRIVER

REMARKS:  
*Pipe on Bttm, Break Circ., Plug Ret & mouse holes w/ 50 sx 60:40 cement Blend, mix 250sx "A" ASC cement, stop Pump, Wash Pump & lines, Release Plug, Start Dispw/ Fresh H<sub>2</sub>O, See Steady increase in PSI, Slow Rate, Bump Plug at 12 7/4 Bbls total Dispw, Release PSI, Float Dis Hold*

CHARGE TO: *Lotus Oper.*  
 STREET  
 CITY STATE ZIP

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

PRINTED NAME *RLB*  
 SIGNATURE *[Signature]*

OWNER *Lotus Oper.*  
 CEMENT  
 AMOUNT ORDERED *50 sx 60:40:49.99el #*  
*250sx class A ASC + 5# Kolseal + .5% FL-160 + 1/4 # Floseal*  
 COMMON *30 A sx @ 15<sup>4E</sup> 463<sup>50</sup>*  
 POZMIX *20 SX @ 8<sup>00</sup> 160<sup>00</sup>*  
 GEL *2 SX @ 20<sup>00</sup> 41<sup>60</sup>*  
 CHLORIDE @  
 ASC *250 SX @ 18<sup>60</sup> 4650<sup>00</sup>*  
*Kolseal 1250<sup>#</sup> @ .89 1112<sup>50</sup>*  
*FL-160 117 1/2 @ 13<sup>00</sup> 1562<sup>75</sup>*  
*Floseal 62-50 @ 2.50 156<sup>25</sup>*  
 @  
 @  
 @  
 @  
 @  
 HANDLING *250 @ 2.40 600<sup>00</sup>*  
 MILEAGE *250/.18/.10 450<sup>00</sup>*  
 TOTAL *9196<sup>60</sup>*

SERVICE  
 DEPTH OF JOB *5251*  
 PUMP TRUCK CHARGE *2092<sup>00</sup>*  
 EXTRA FOOTAGE @  
 MILEAGE *18 @ 7<sup>00</sup> 126<sup>00</sup>*  
 MANIFOLD *Hand rental @*  
 @  
 @  
 TOTAL *2218<sup>00</sup>*

PLUG & FLOAT EQUIPMENT  
 1-TRP @ *74<sup>00</sup>*  
 1-Guide Shoe @ *100<sup>00</sup>*  
 1-AFU insert @ *112<sup>00</sup>*  
 1-Basket @ *161<sup>00</sup>*  
 5-centralizers @ *161<sup>00</sup>*  
 TOTAL *608<sup>00</sup>*

SALES TAX (If Any)  
 TOTAL CHARGES *[Scribbled out]*  
 DISCOUNT *[Scribbled out]* IF PAID IN 30 DAYS



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

---

December 07, 2010

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

Re: ACO-1  
API 15-007-23566-00-00  
Ladner 1  
SW/4 Sec.35-34S-12W  
Barber County, Kansas

Dear Tim Hellman:

K.A.R. 82-3-107 provides for all completion information to be filed within 120 days of the spud date. Subsection(e)(2) of that regulation states "All rights to confidentiality shall be lost if the filings are not timely."

The above referenced well was spudded on 08/08/2010 and the ACO-1 was received on December 07, 2010 (not within the 120 days timely requirement).

Therefore, your request for confidential treatment of data contained within the ACO-1 filing cannot be granted at this time.

If you should have any questions, please do not hesitate to contact me at (316)337-6200.

Sincerely,

Production Department