SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company REILLY OIL COMPANY, INC.

Well COFFIN - EASON UNIT #1-6

Field WILDCAT

County GRAHAM State KANSAS

Location: API # : 15-065-23533

170' FSL & 2190' FWL

SEC 6 TWP 7S RGE 23W

Other Services
CDL/CNL
MICRO

Elevation
K.B. 2457
D.F.
G.L. 2452

Permanent Datum GROUND LEVEL Elevation 2452
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING

Date	3-2-09		
Run Number	ONE		
Depth Driller	3965		
Depth Logger	3964		
Bottom Logged Interval	3962		
Top Log Interval	00		
Casing Driller	262		
Casing Logger	264		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.3 / 55		
pH / Fluid Loss	11.5 / 7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10 @ 60F		
Rmf @ Meas. Temp	0.83 @ 60F		
Rmc @ Meas. Temp	1.32 @ 60F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.580 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	0860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	RICHARD BELL		

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Comments

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: HILL CITY, N TO RD. "Y", 4 1/2W, 1 1/2S INTO.

MAIN SECTION

SUPERIOR
Hays,
Kansas

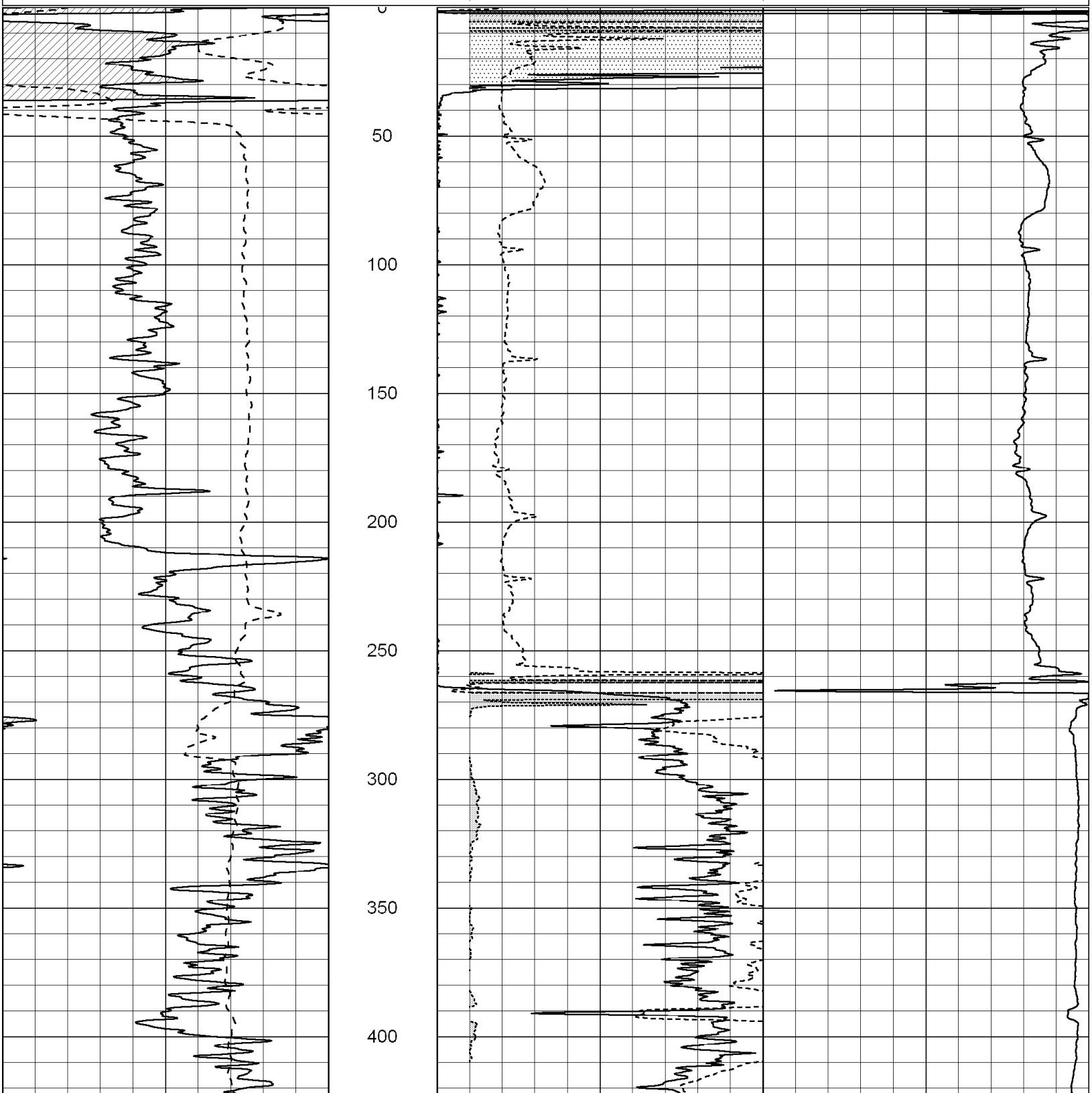
SUPERIOR WELL SERVICES

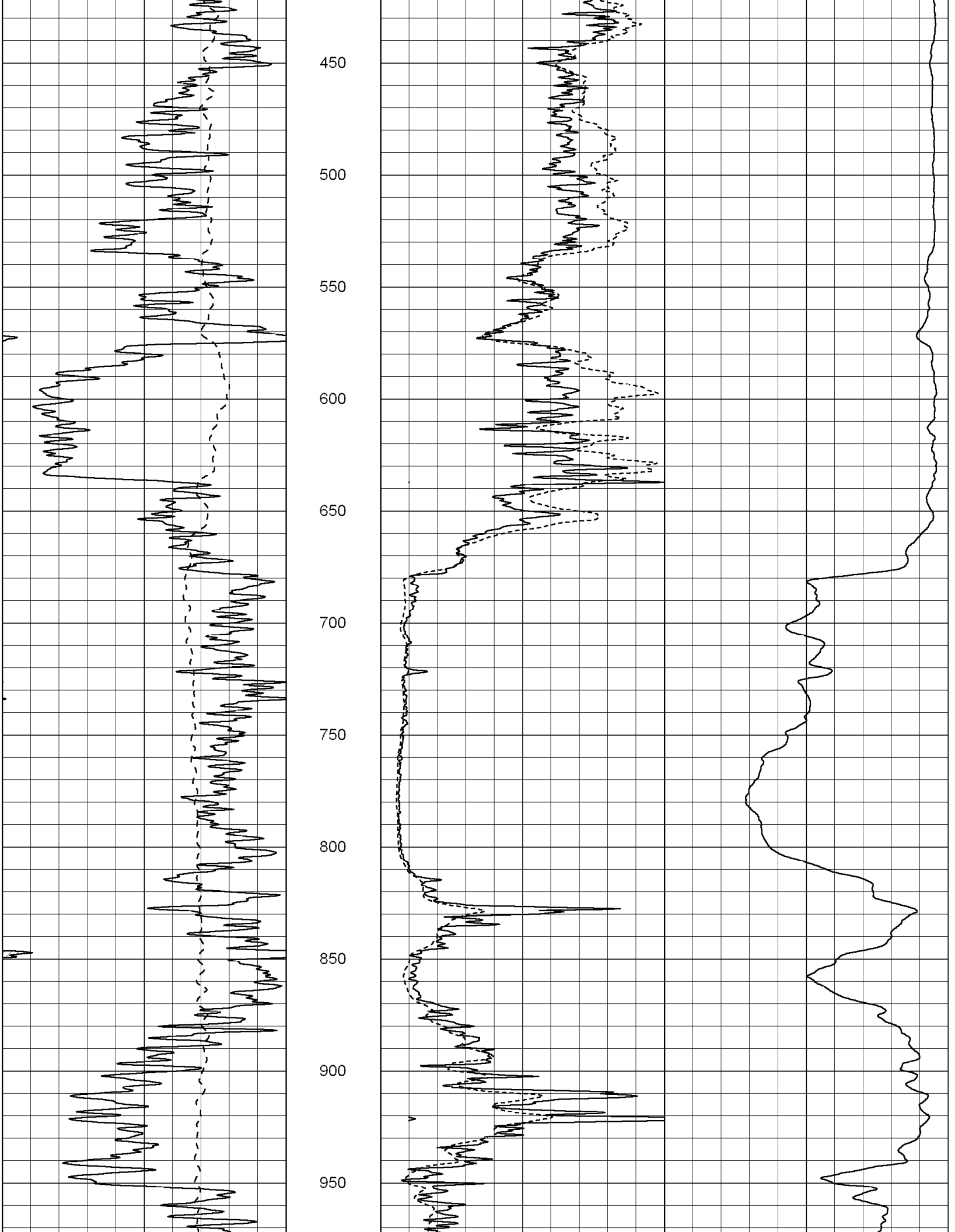
Kansas

Database File:	003235ddn.db
Dataset Pathname:	pass4.1
Presentation Format:	dil2
Dataset Creation:	Mon Mar 02 07:49:26 2009 by Calc Open-Cased 051020
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

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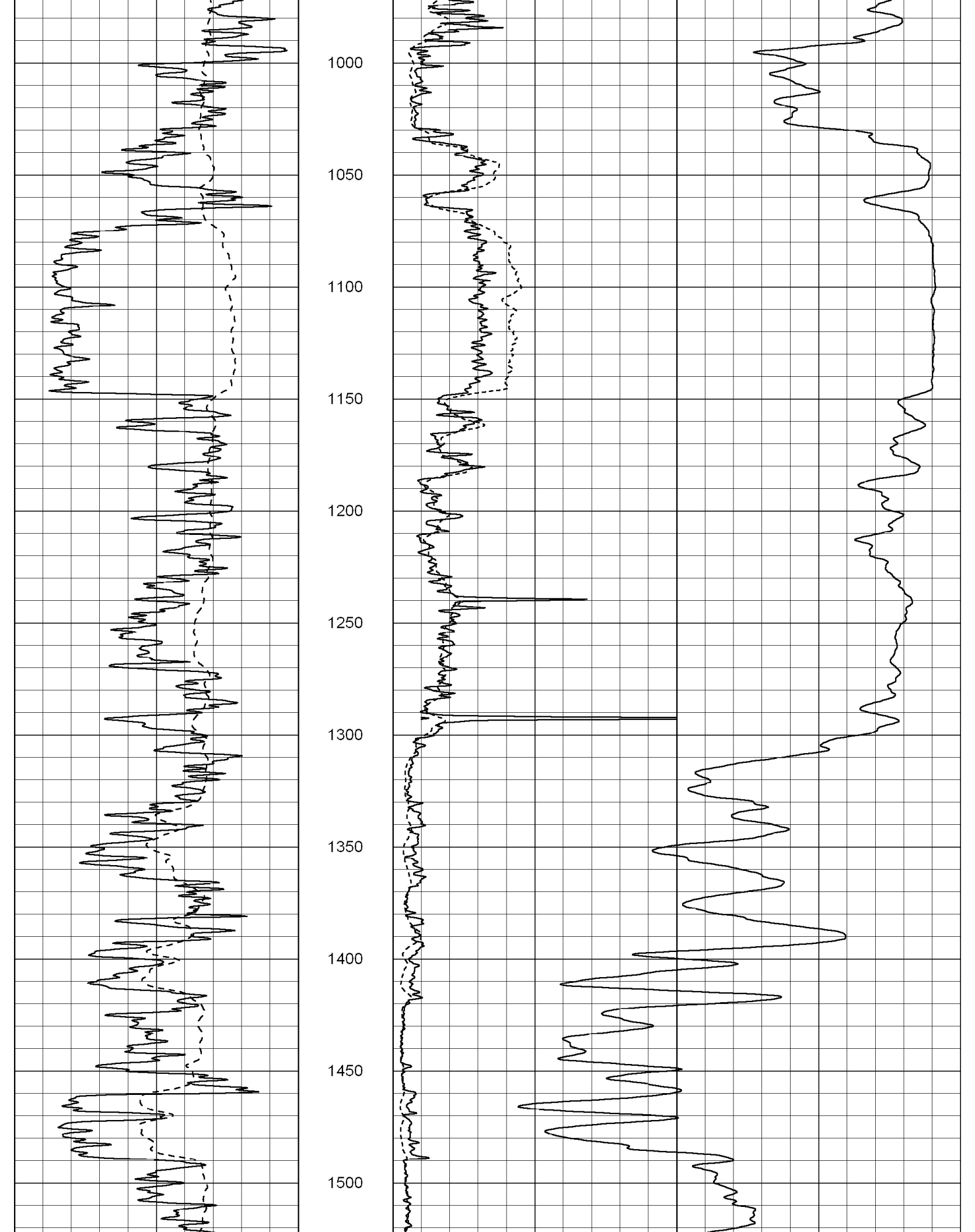
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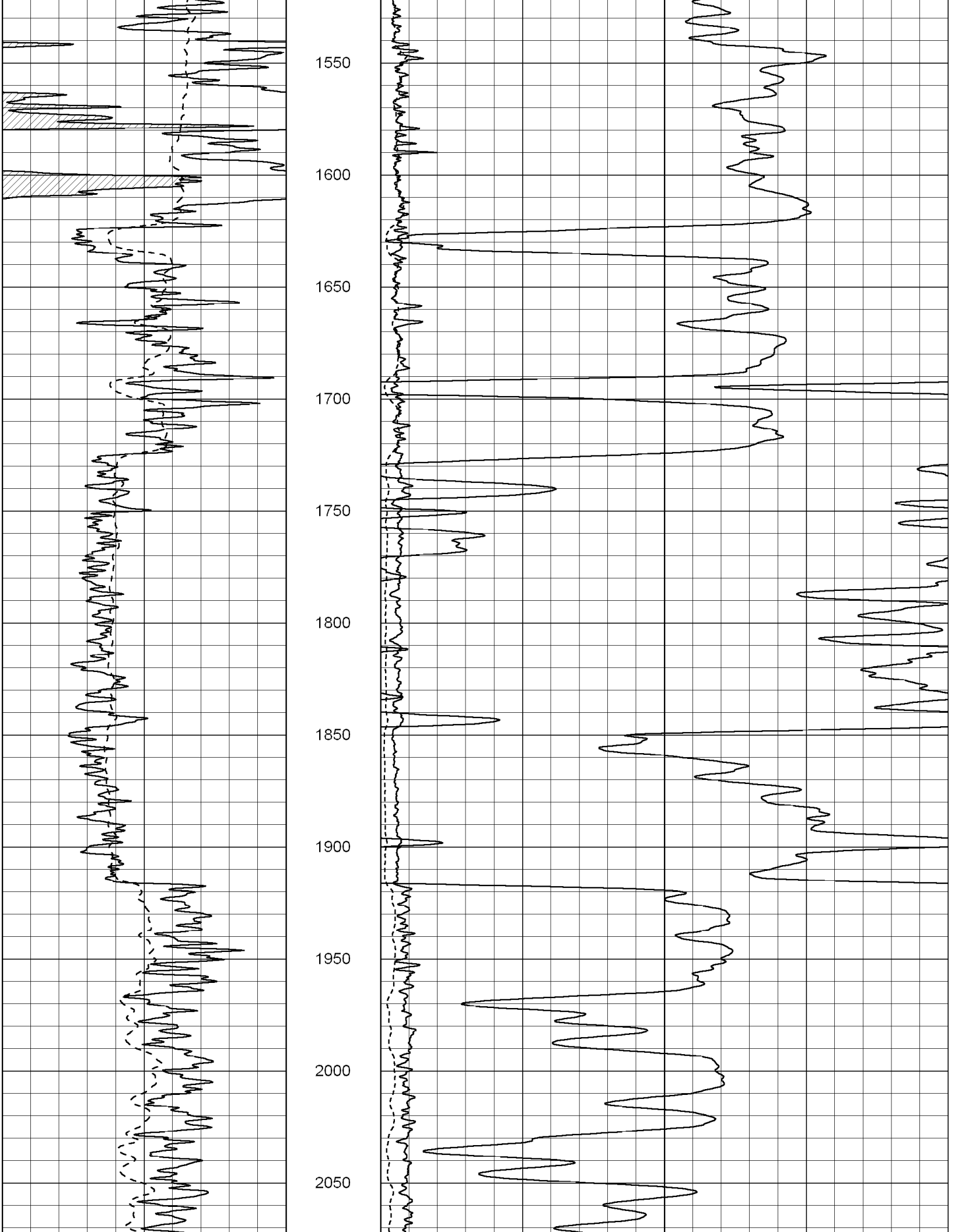
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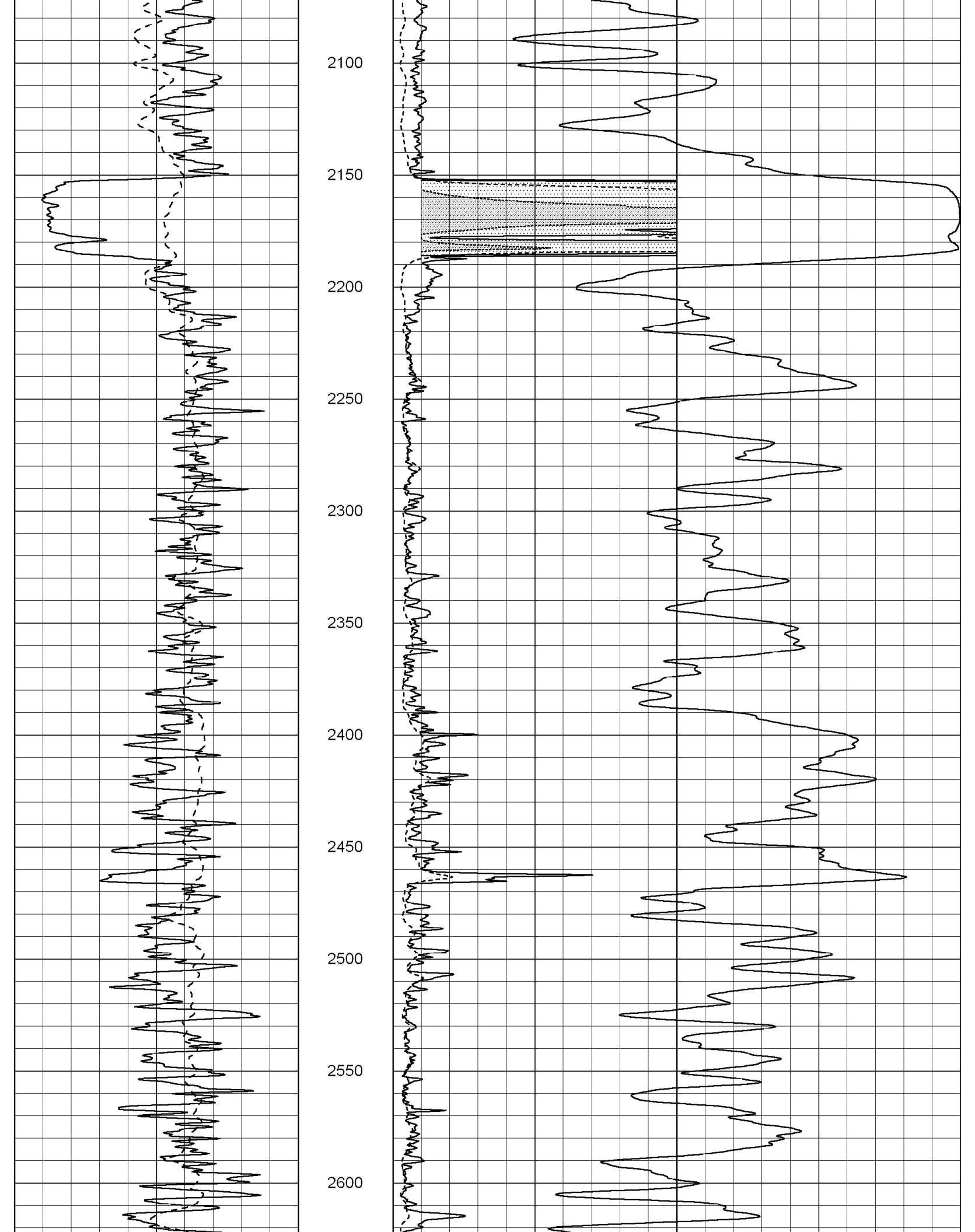
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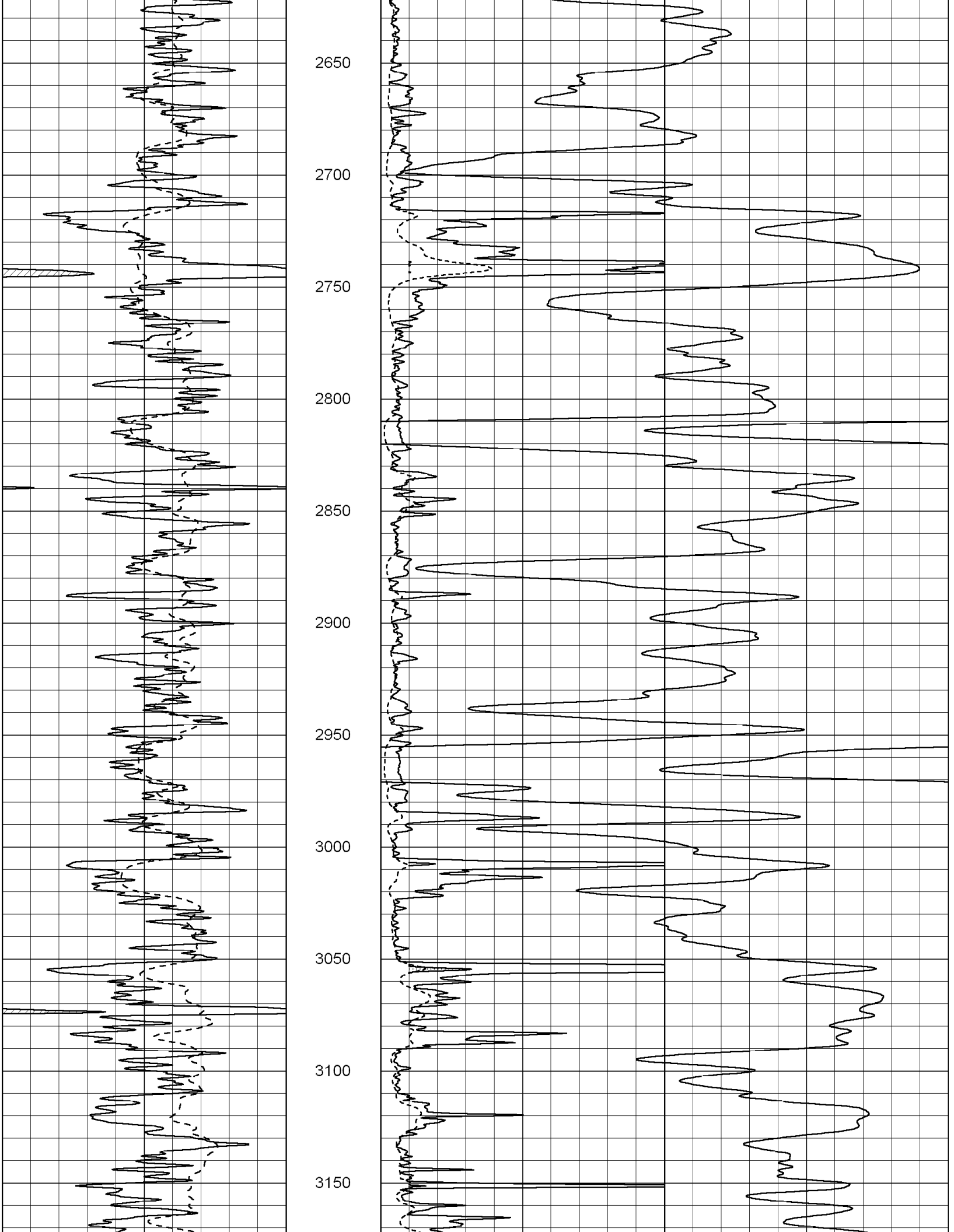
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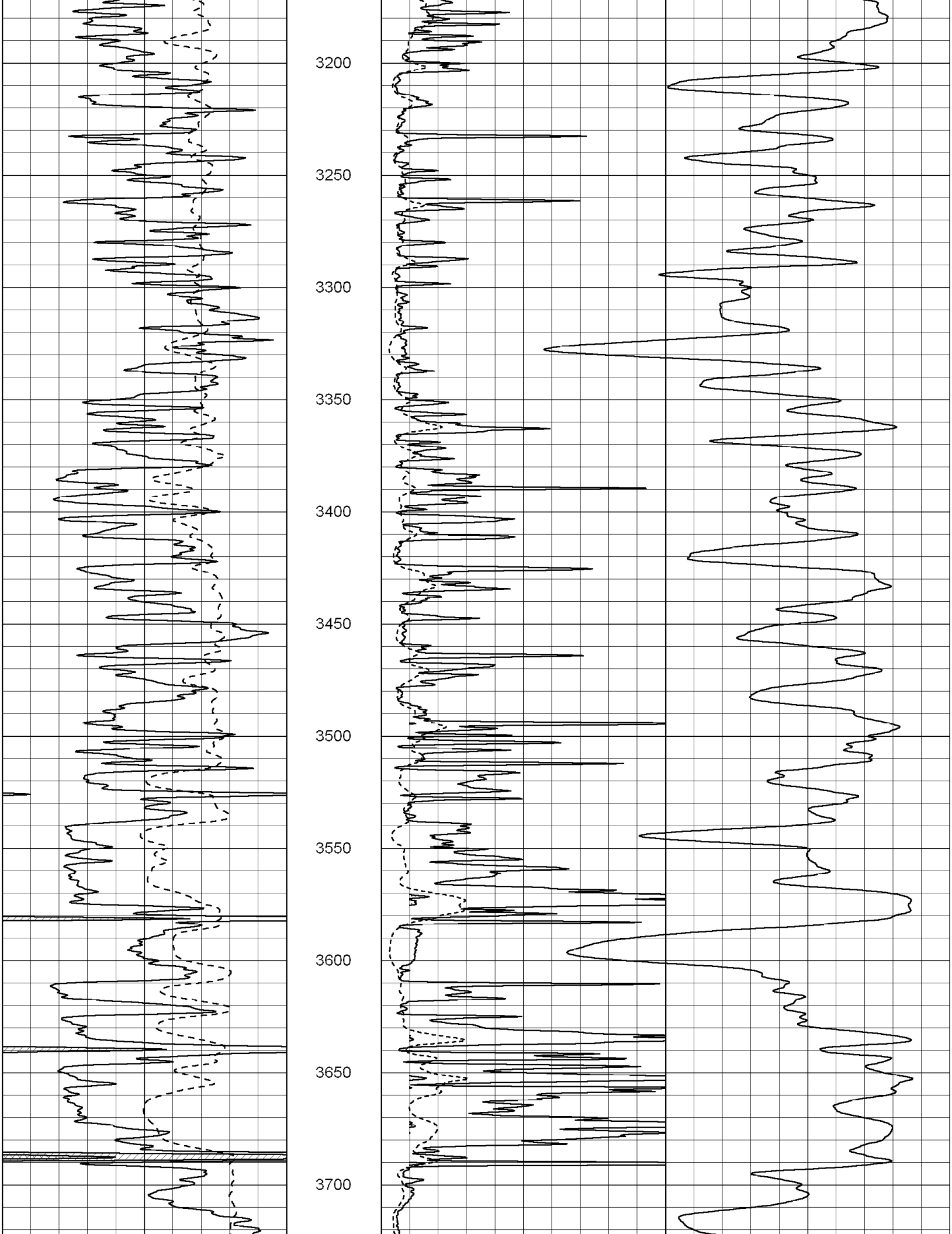
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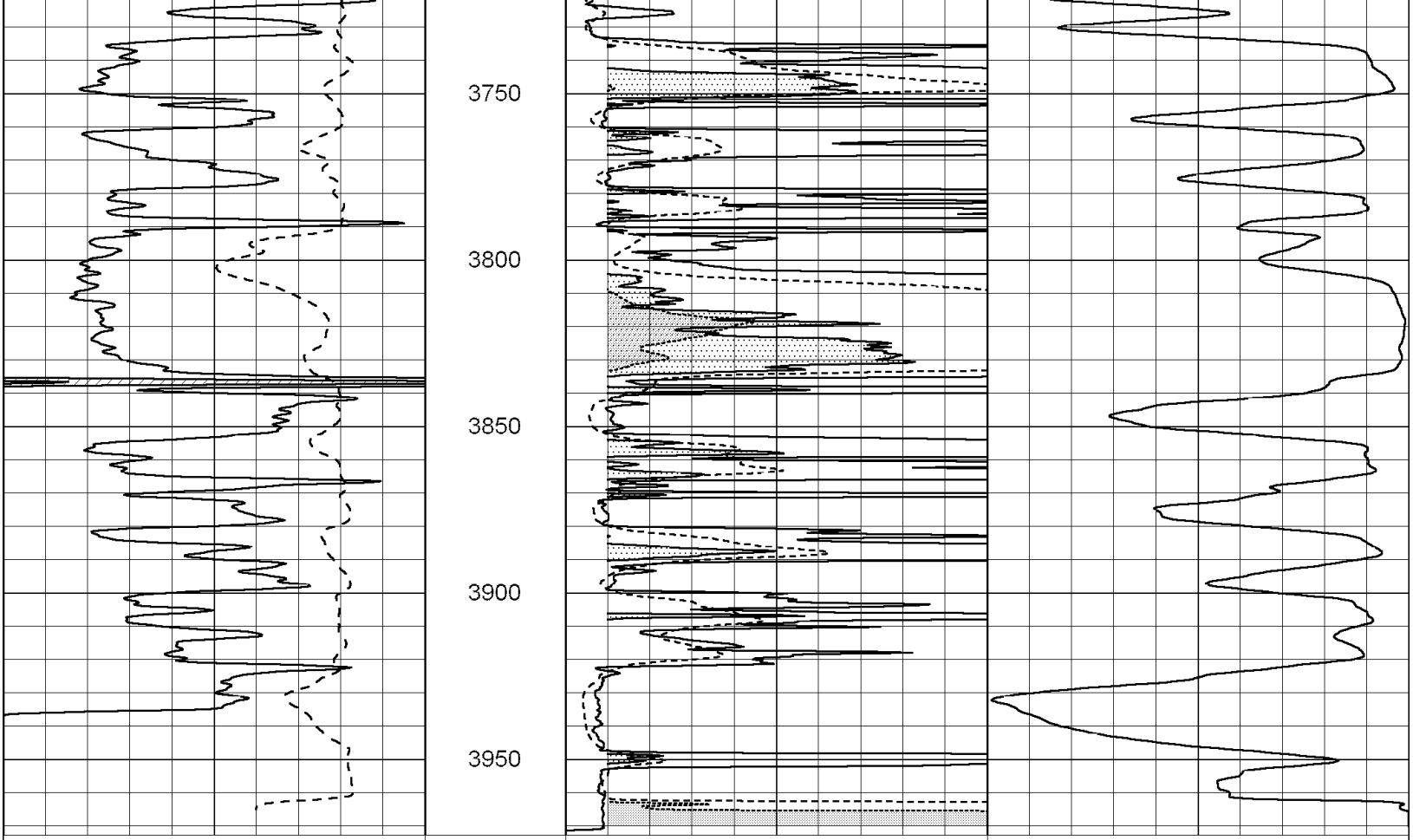

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Hays,
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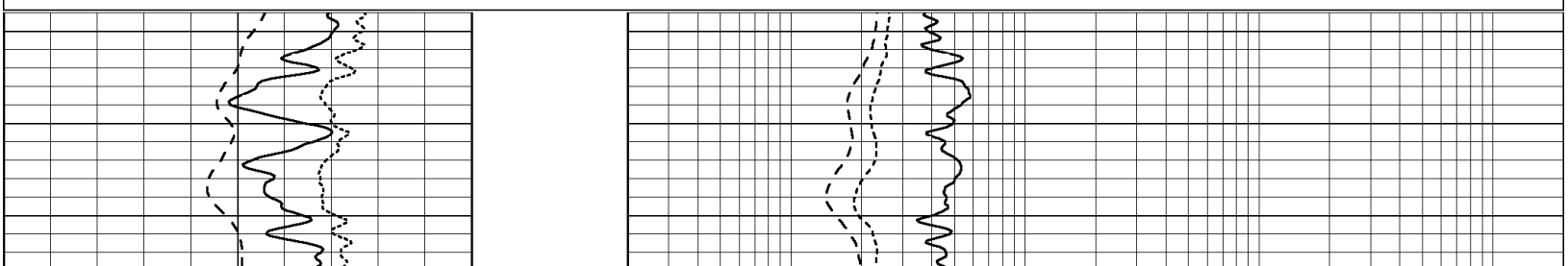
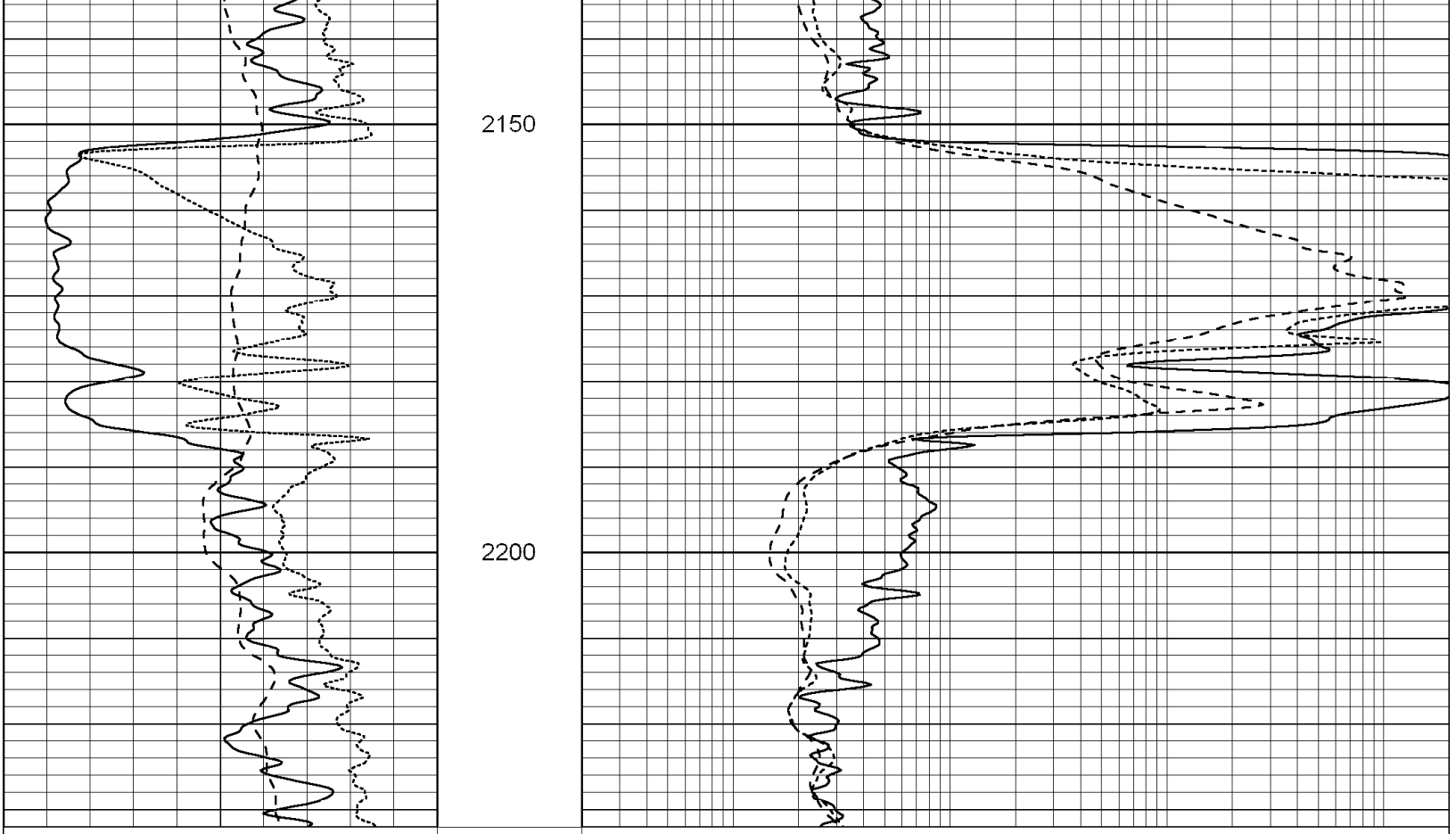
MAIN SECTION

Database File:	003235ddn.db
Dataset Pathname:	pass4.1
Presentation Format:	dil
Dataset Creation:	Mon Mar 02 07:49:26 2009 by Calc Open-Cased 051020
Charted by:	Depth in Feet scaled 1:240

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

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





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

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

SUPERIOR WELL SERVICES

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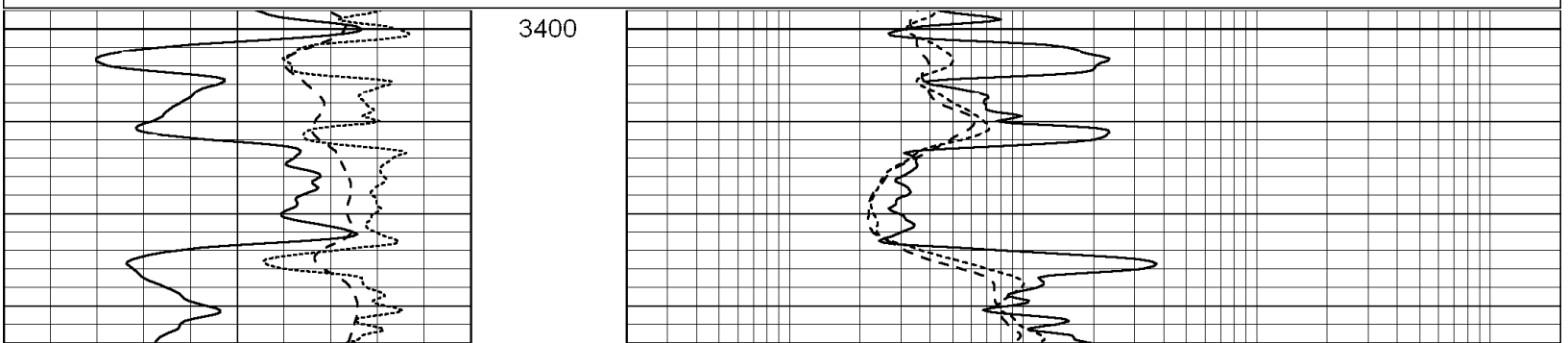
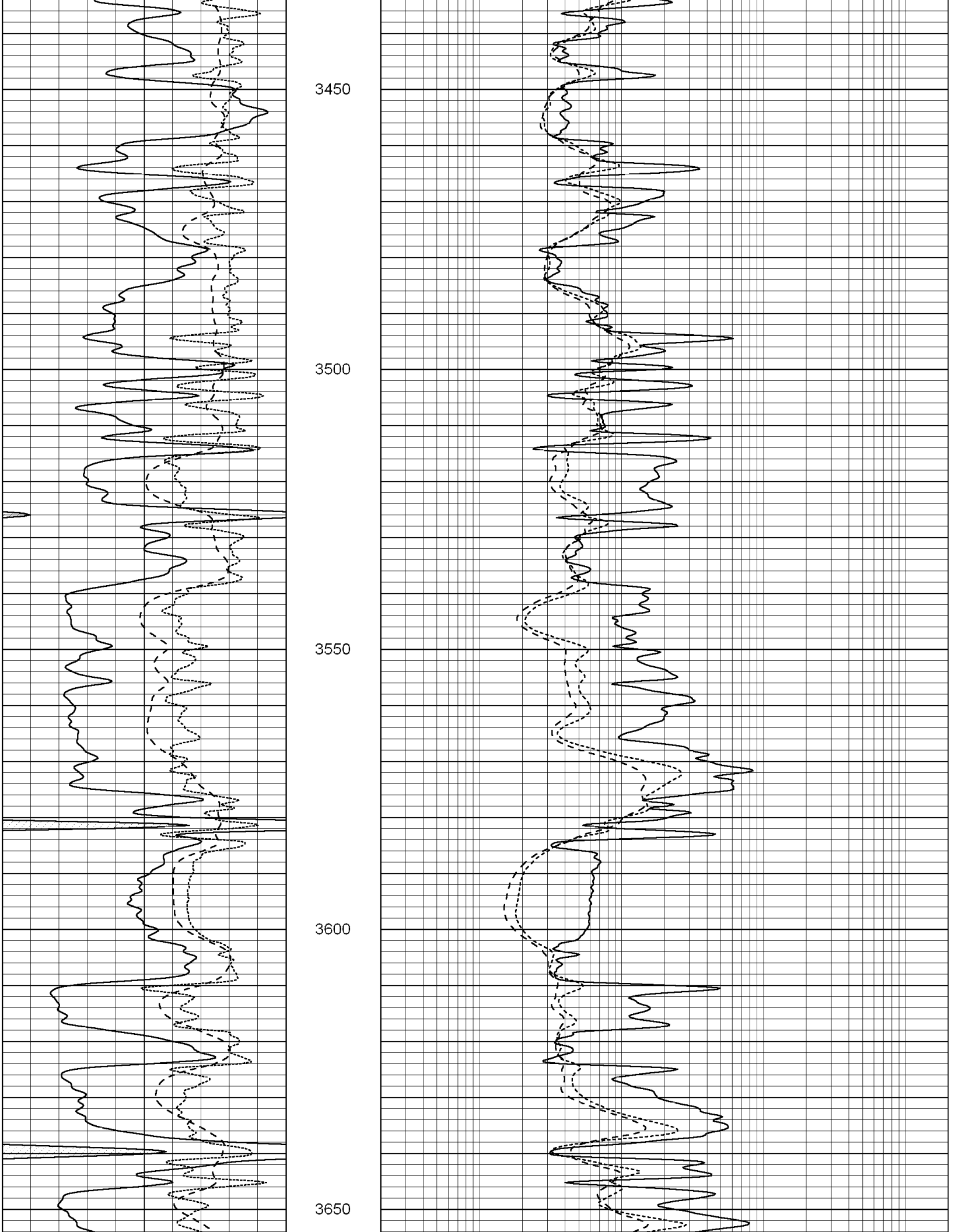
MAIN SECTION

Database File: 003235ddn.db
Dataset Pathname: pass4.1
Presentation Format: dil
Dataset Creation: Mon Mar 02 07:49:26 2009 by Calc Open-Cased 051020
Charted by: Depth in Feet scaled 1:240

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

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

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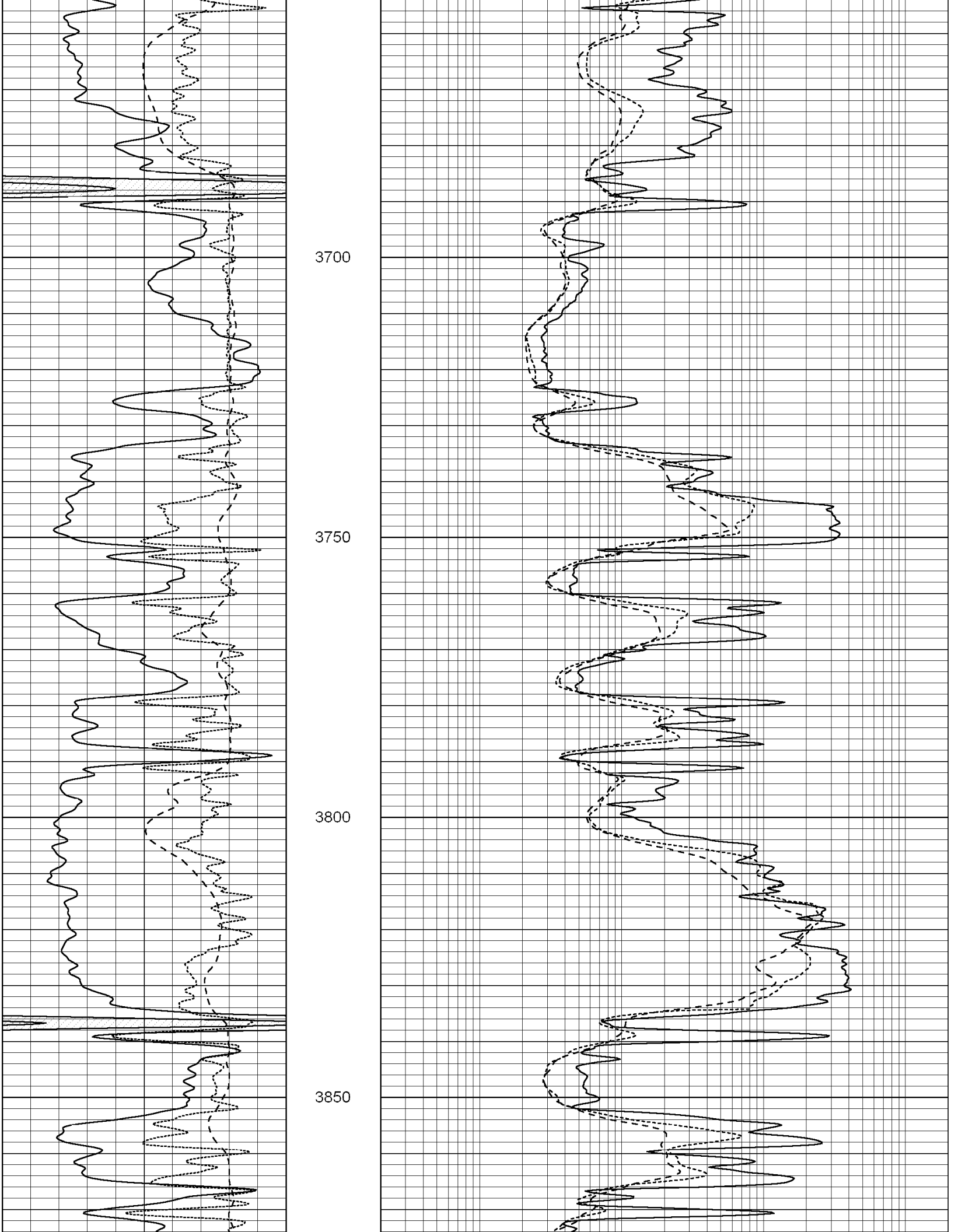
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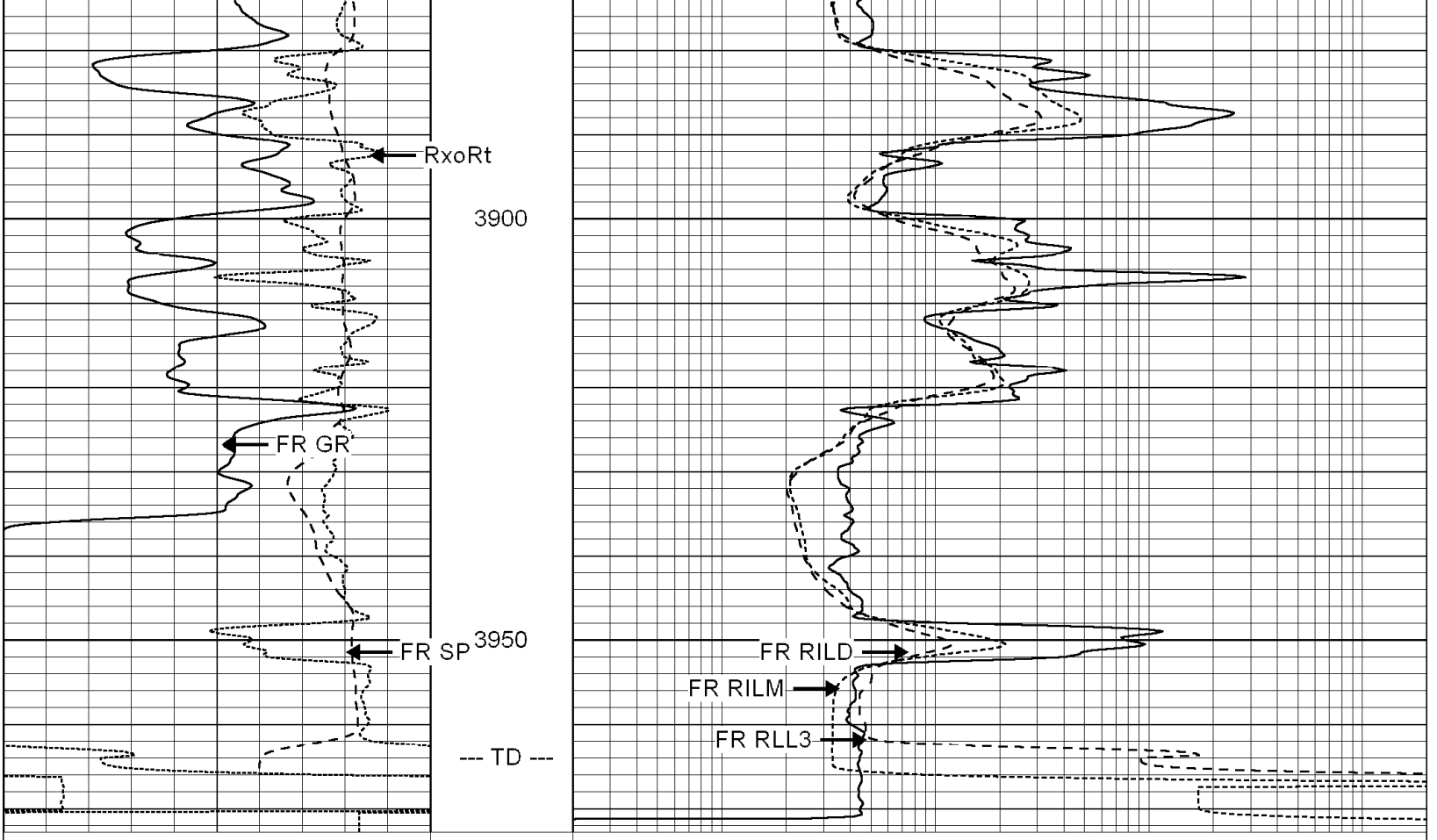

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50

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

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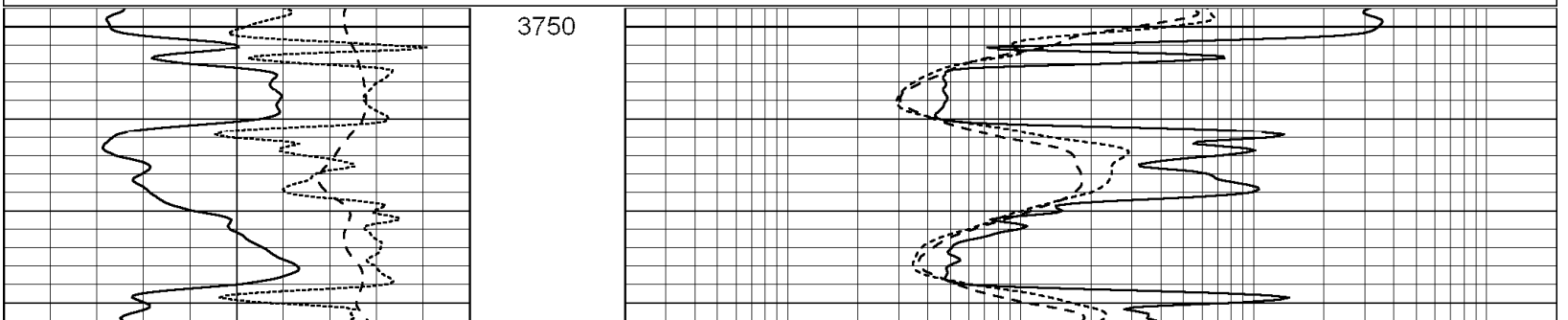
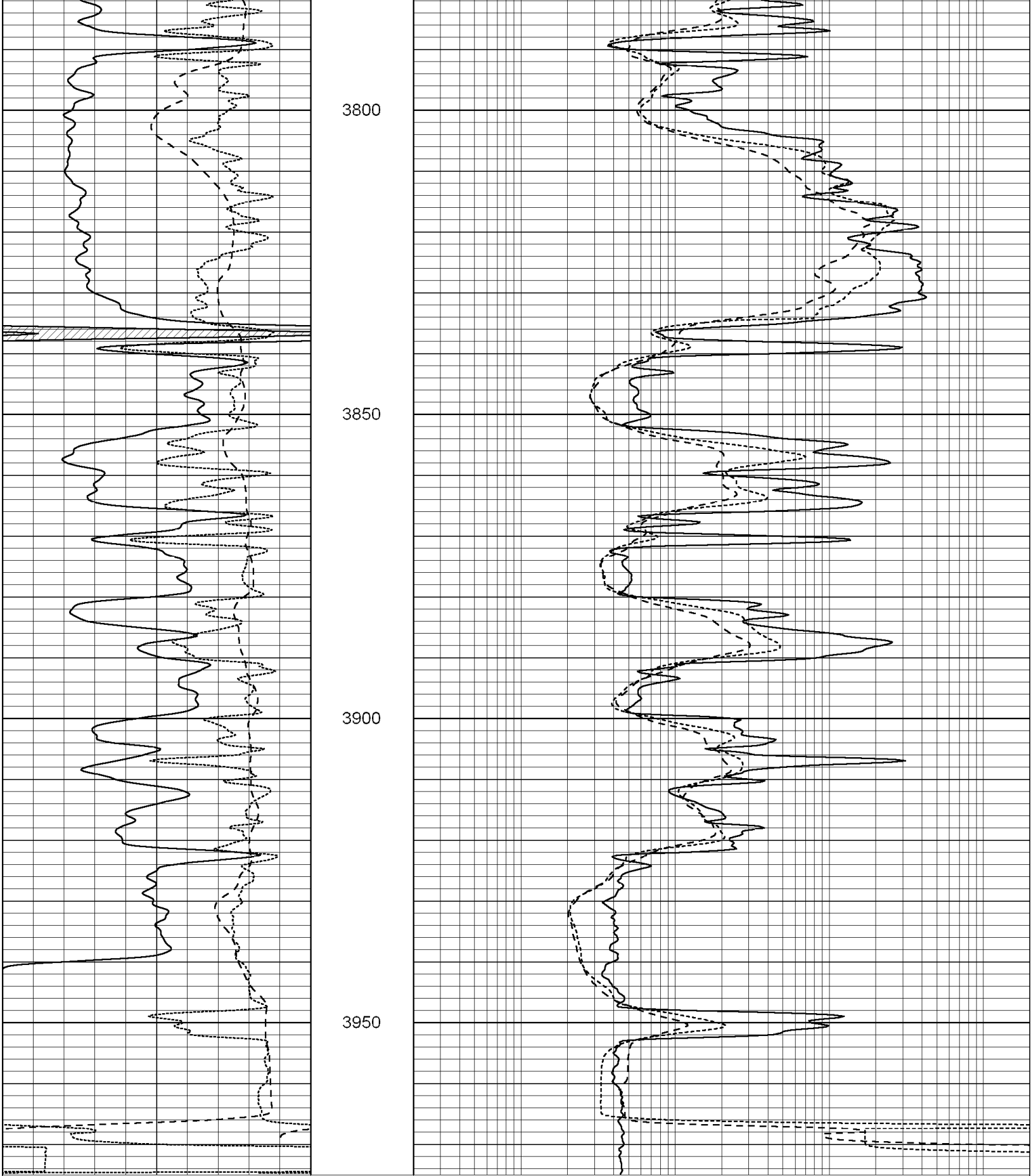
REPEAT SECTION

Database File:	003235ddn.db
Dataset Pathname:	pass3.A
Presentation Format:	dil
Dataset Creation:	Mon Mar 02 08:20:43 2009
Charted by:	Depth in Feet scaled 1:240

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

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




3800
3850
3900
3950
0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100
-250 RxoRt 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: 003235ddn.db
Dataset Pathname: pass4.1
Dataset Creation: Mon Mar 02 07:49:26 2009 by Calc Open-Cased 051020

Dual Induction Calibration Report

Serial-Model: DIL5-GEAR
Performed: Mon Mar 02 06:11:32 2009

	Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.004	0.654	V	0.000	400.000	mmho-m	530.000	-5.000
Medium	-0.005	0.737	V	0.000	462.500	mmho-m	510.000	-7.000
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 Mar 02 06:23:06 2009

Master Calibration

	Density		Far Detector	Near Detector	
Magnesium	1.710	g/cc	1006.91	528.07	cps
Aluminum	2.590	g/cc	233.49	355.80	cps

Spine Angle = 74.88 Density/Spine Ratio = 0.581

	Size		Reading	
Small Ring	7.60	in	2.87	V
Large Ring	14.00	in	5.71	V

Compensated Neutron Calibration Report

Serial Number: NEU_1I
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 Jan 19 16:45:44 2009

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.5000 GAPI/cps