SUPERIOR
Hays,
Kansas

RADIATION GUARD LOG

Company DANE G. HANSEN

Well EICHMAN #17

Field MOREL

County GRAHAM State KANSAS

Location: API # : 15-065-23837-0000
330' FNL & 330' FWL

SEC 13 TWP 9S RGE 21W

Other Services
MEL/SON

Elevation

Permanent Datum	GROUND LEVEL	Elevation 2165
Log Measured From	KELLY BUSHING 8' A.G.L.	
Drilling Measured From	KELLY BUSHING	

K.B. 2173
D.F. 2171
G.L. 2165

Date	9/2/12		
Run Number	ONE		
Depth Driller	3790		
Depth Logger	3790		
Bottom Logged Interval	3788		
Top Log Interval	00		
Casing Driller	8 5/8" @ 263		
Casing Logger	261		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2000 PPM	
Density / Viscosity	8.9/60		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.75 @ 98F		
Rmf @ Meas. Temp	.56 @ 98F		
Rmc @ Meas. Temp	.90 @ 98F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.64 @ 114F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	114F		
Equipment Number	680		
Location	HAYS, KS.		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	JEFF LAWLER		

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Comments

THANK YOU FOR USING SUPERIOR WELL SERVICE (785) 628-6395

DIRECTIONS

PALCO, KS. - N. TO BALLFIELD - 3 W. - 3/4 N. - E. INTO.

Company DANE G. HANSEN
Well EICHMAN #17
Field MOREL
County GRAHAM
State KANSAS

MAIN SECTION

SUPERIOR
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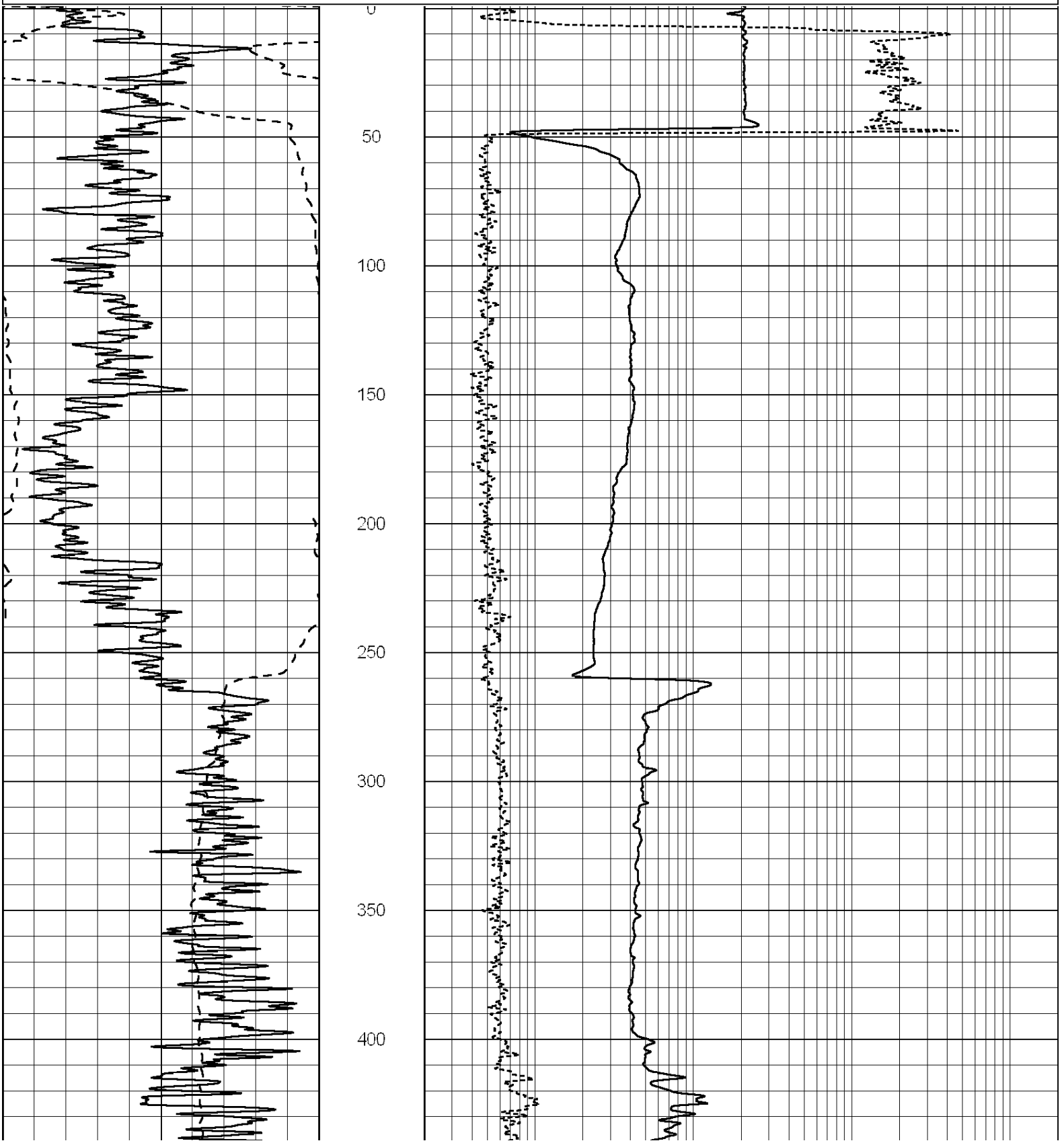
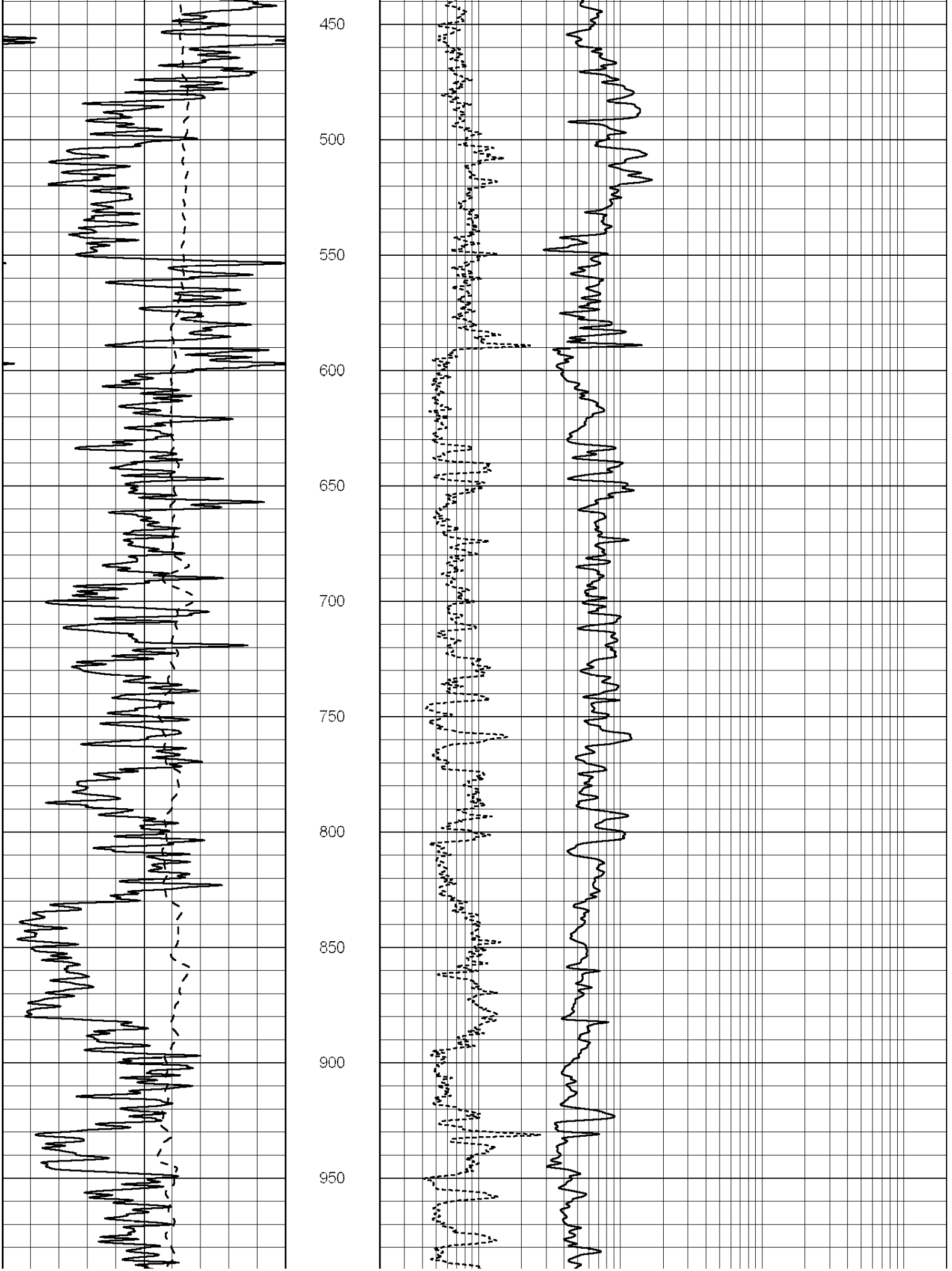
Database File:	009594rag.db
Dataset Pathname:	pass3.2
Presentation Format:	rag2
Dataset Creation:	Sun Sep 02 18:23:49 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:600

0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2 GUARD (Ohm-m) 2000
-100	SP (mV)	100		0 NEUTRON (NAPI) 1000
			TBHV (ft3)	

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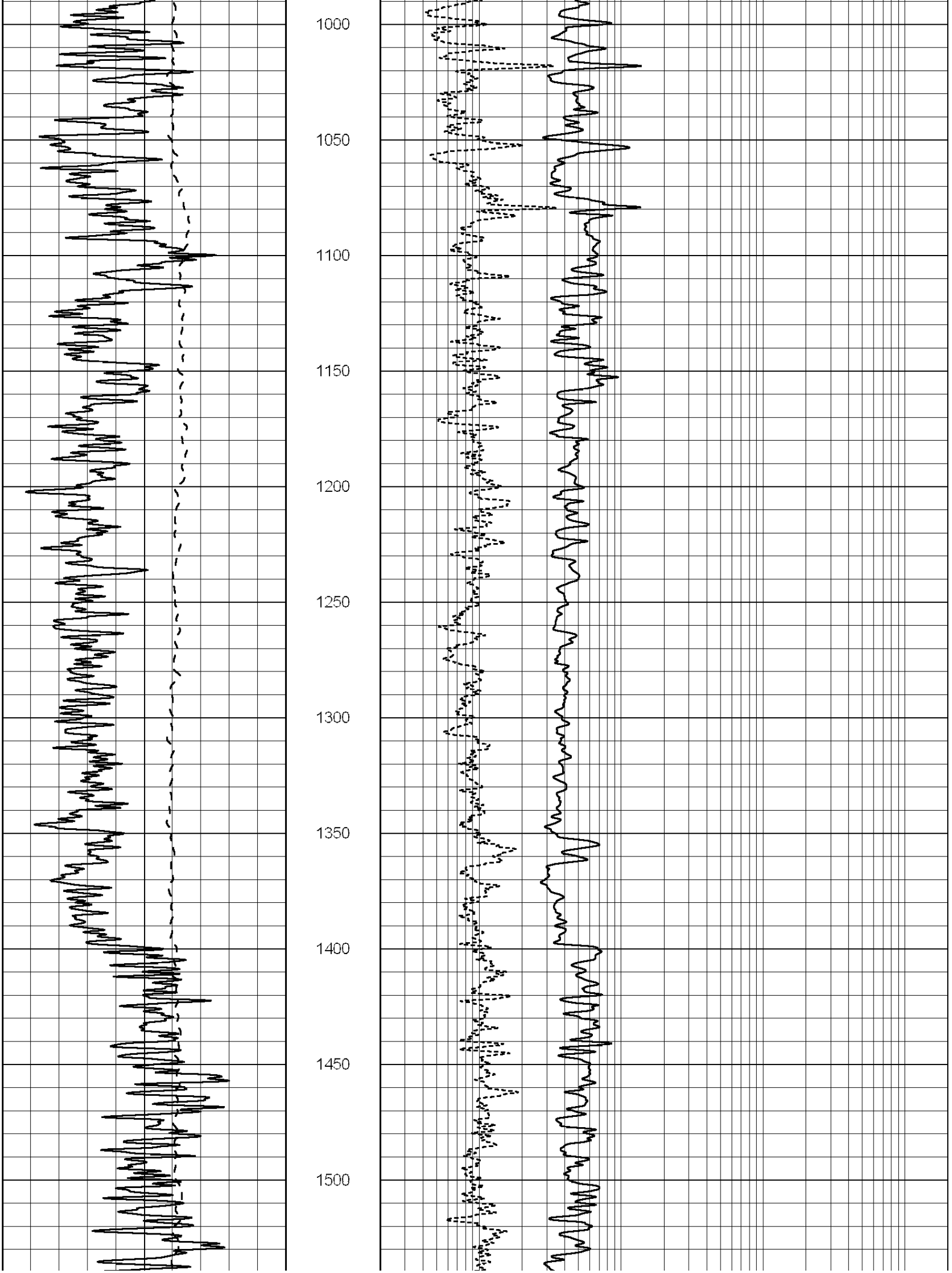
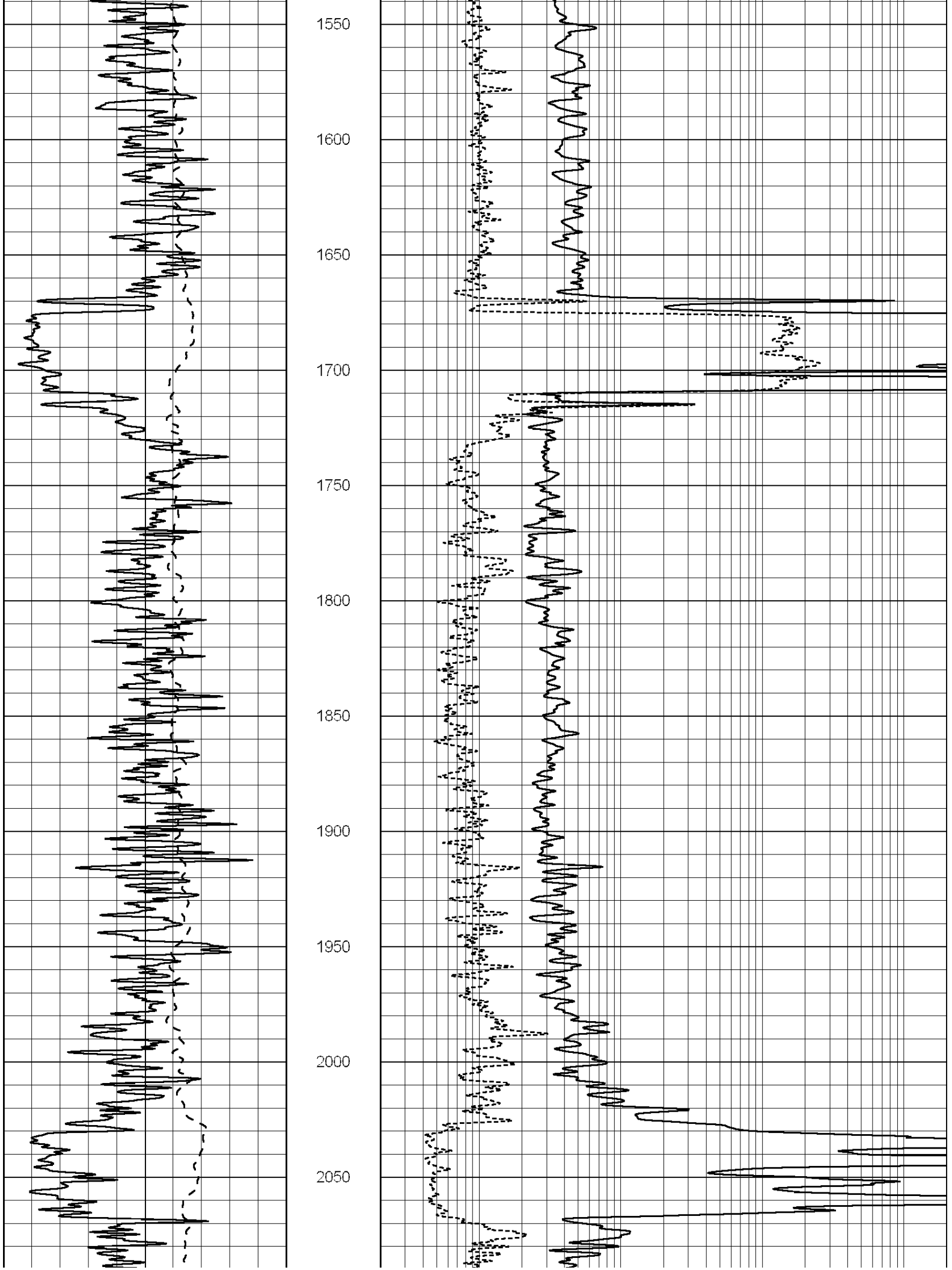
500
550
600
650
700
750
800
850
900
950


1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500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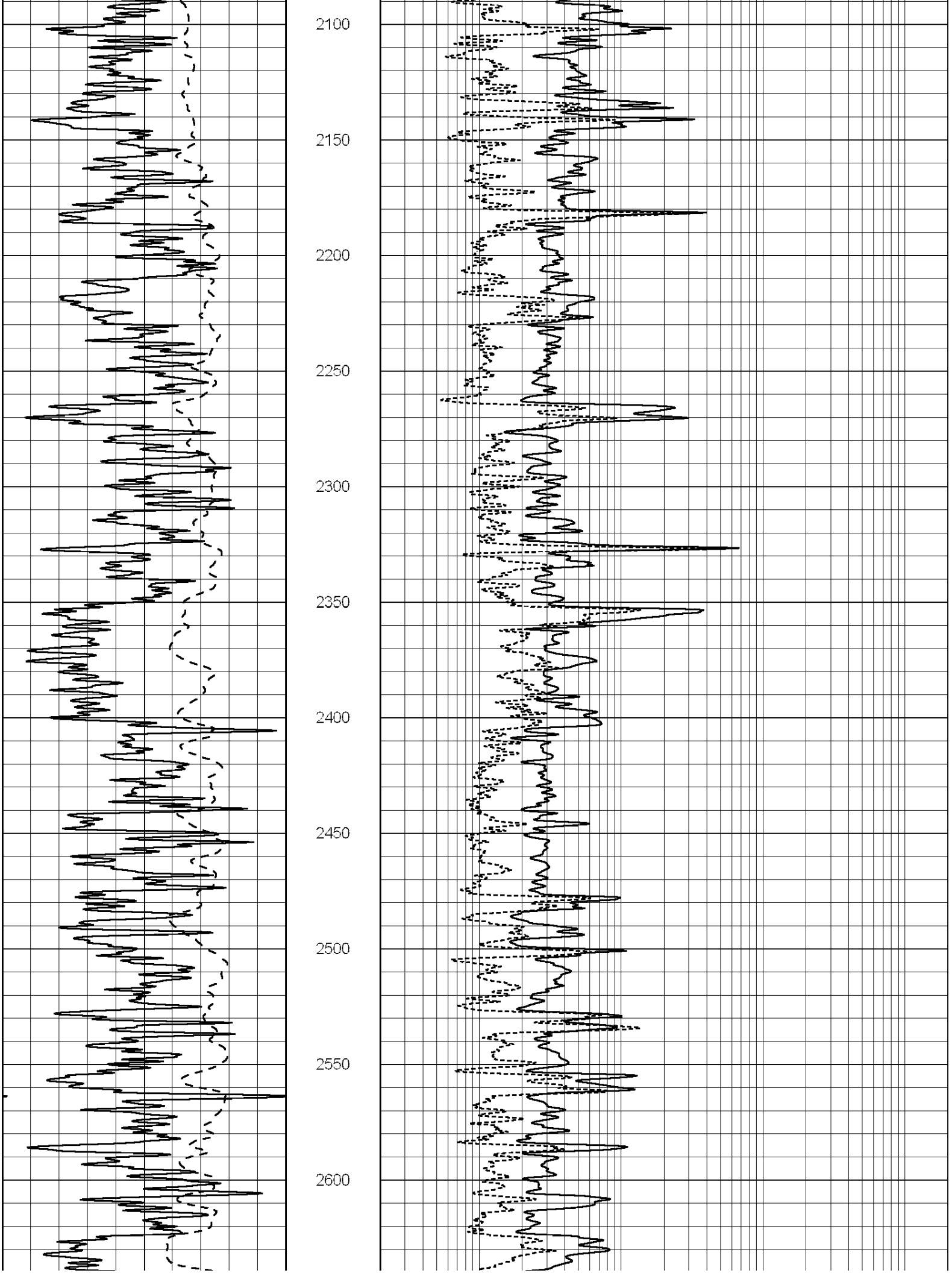
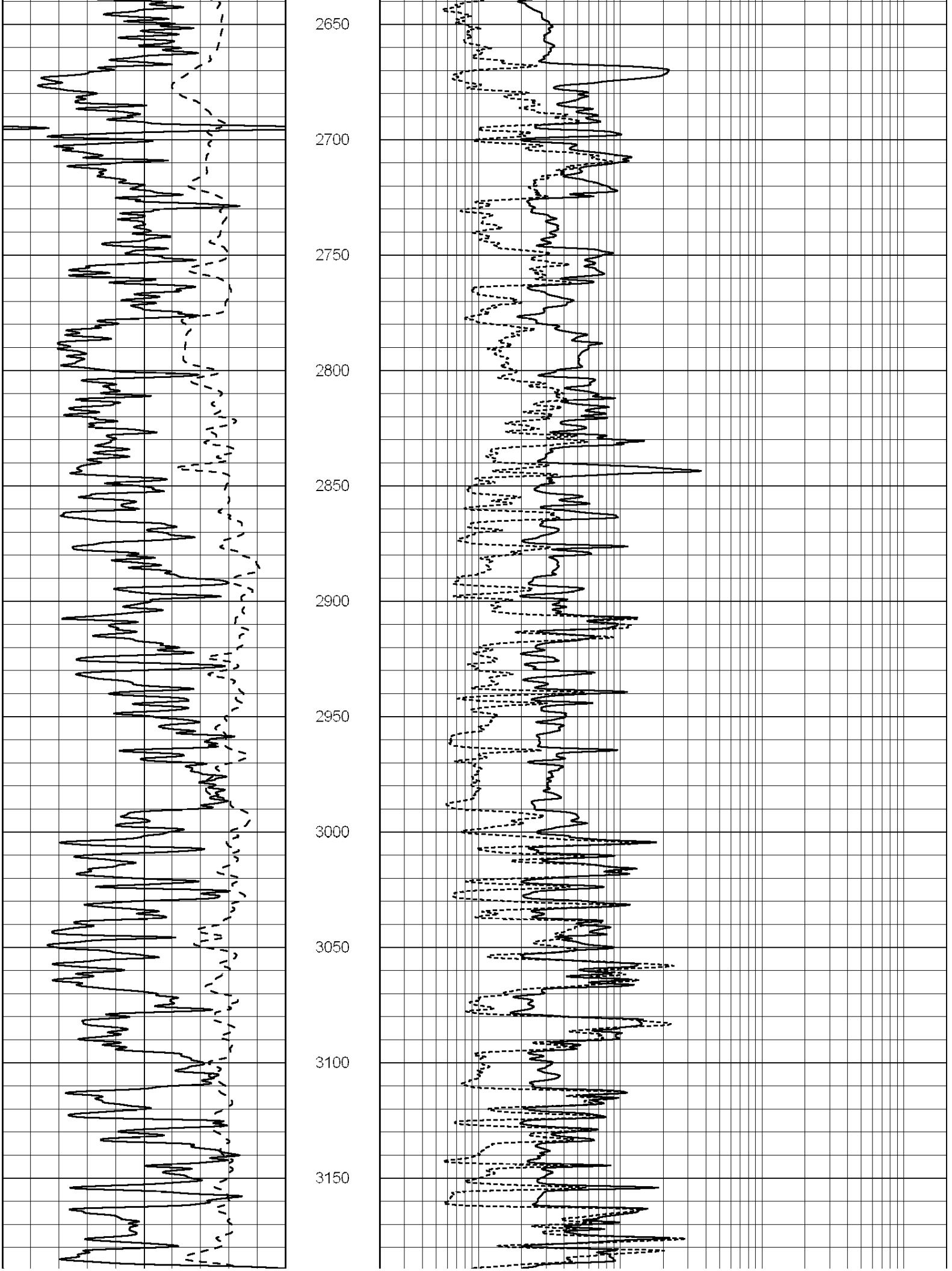
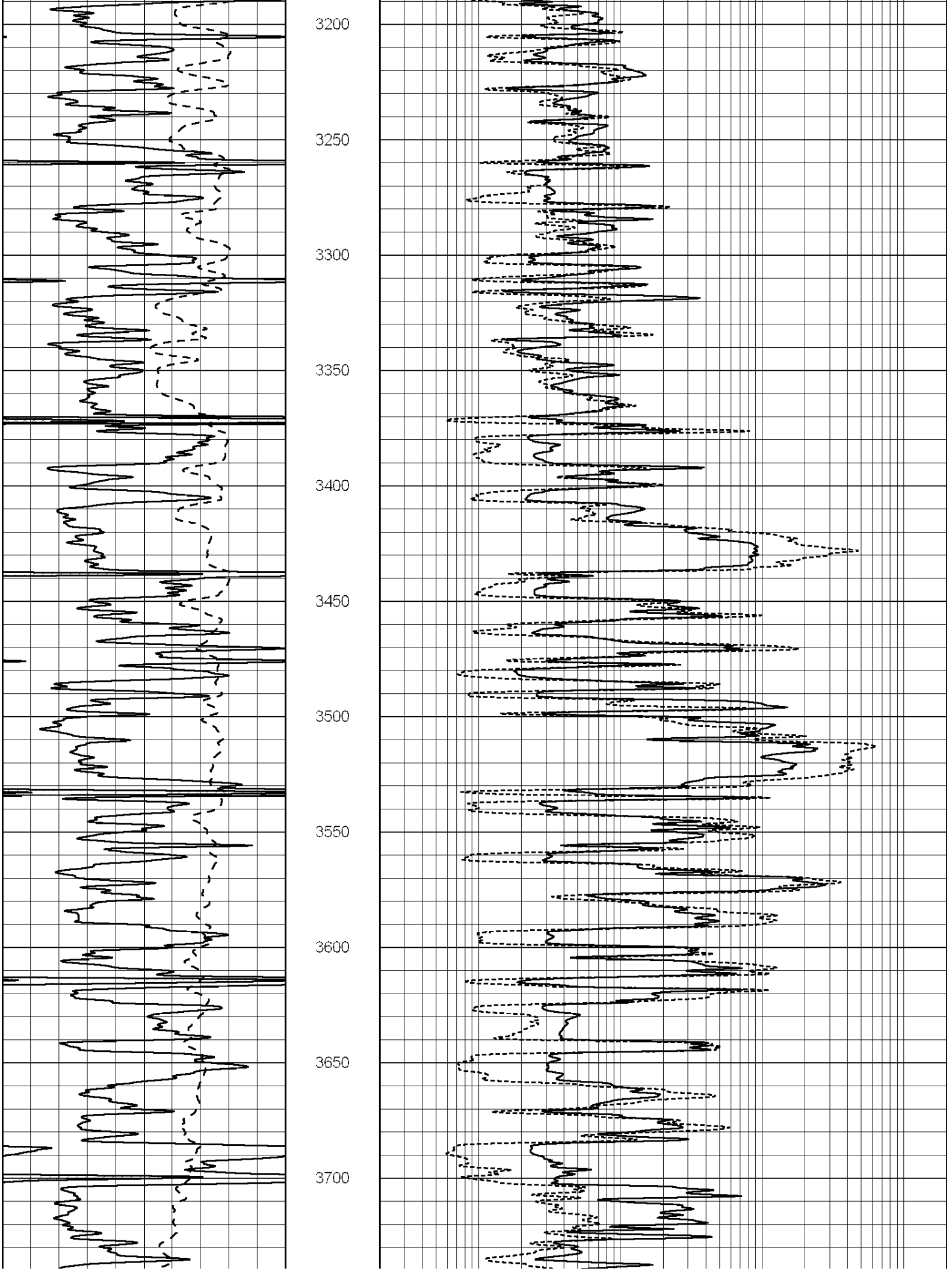
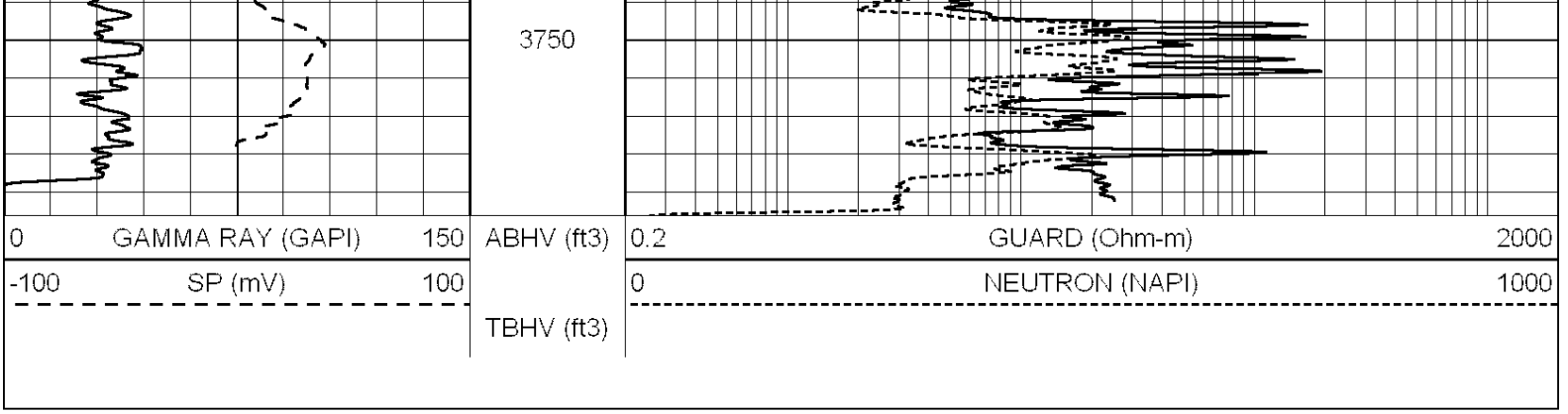
1600
1650
1700
1750
1800
1850
1900
1950
2000
2050


2100
2150
2200
2250
2300
2350
2400
2450
2500
2550
2600


2650
2700
2750
2800
2850
2900
2950
3000
3050
3100
3150


3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700

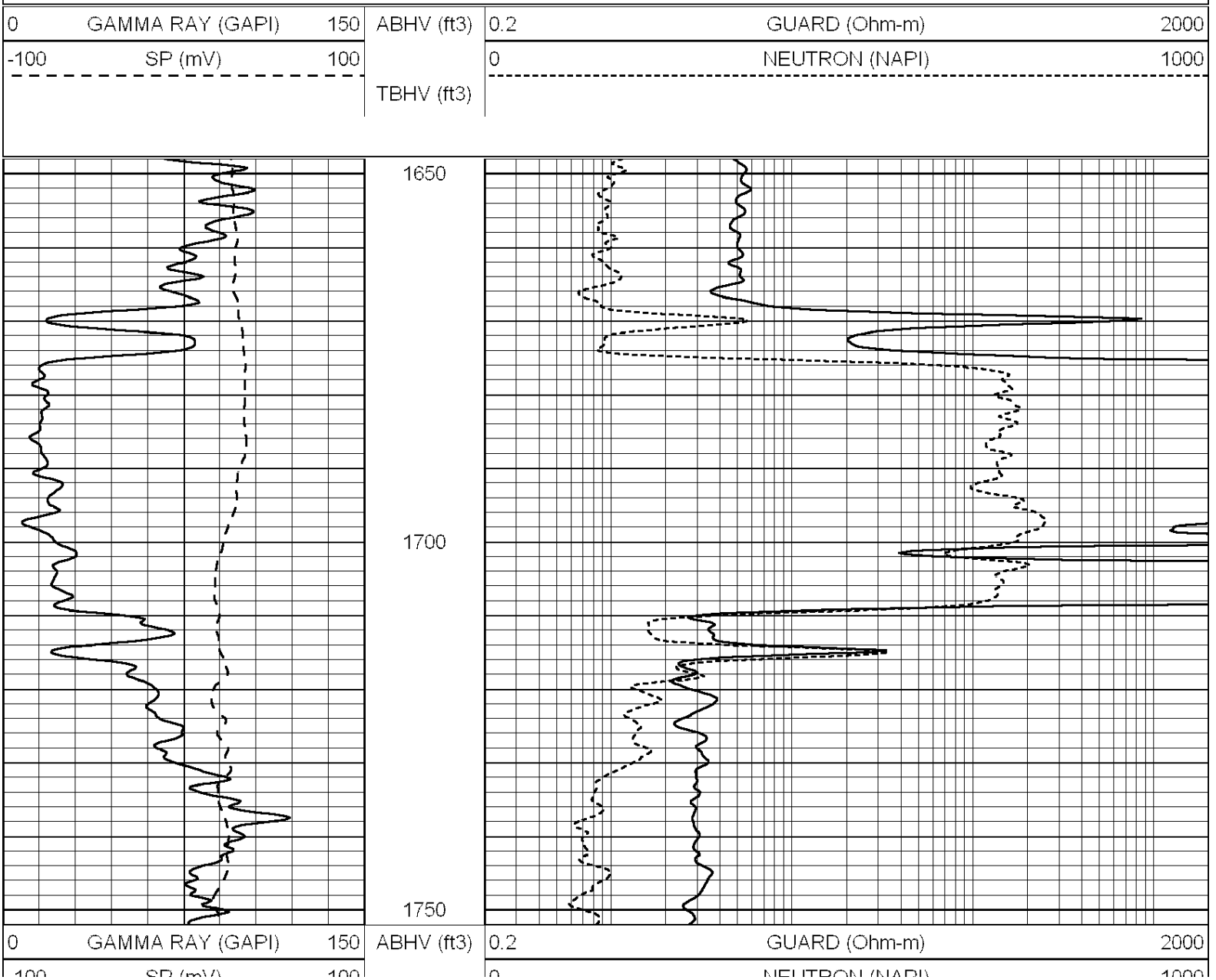


SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

ANHYDRITE

Database File: 009594rag.db
Dataset Pathname: pass3.3
Presentation Format: rag2
Dataset Creation: Sun Sep 02 17:58:46 2012 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240



-100 SP (mV) 100 | TBHV (ft3) | 0 NEUTRON (NAPI) 1000

SUPERIOR WELL SERVICES

SUPERIOR
Hays,
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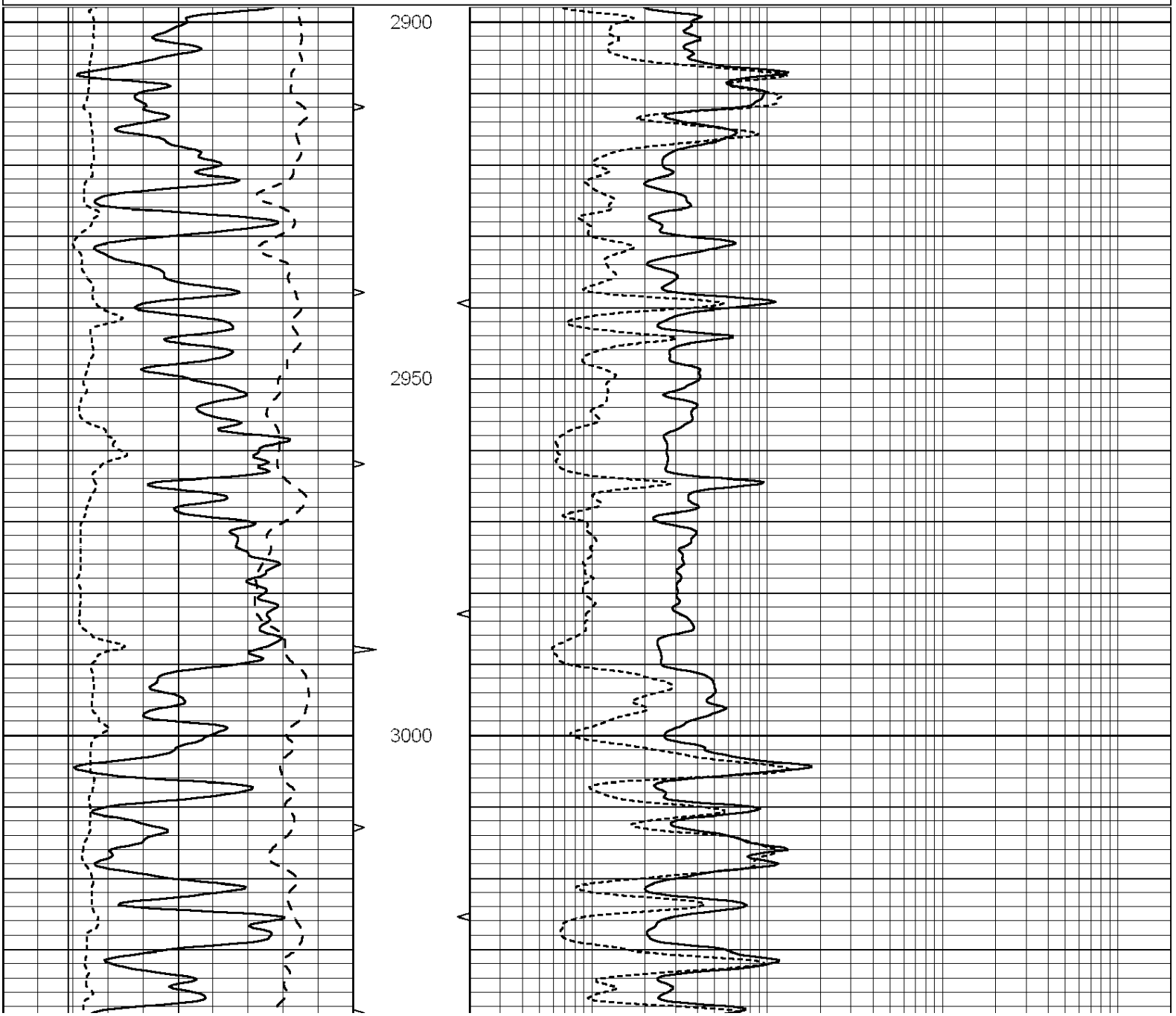
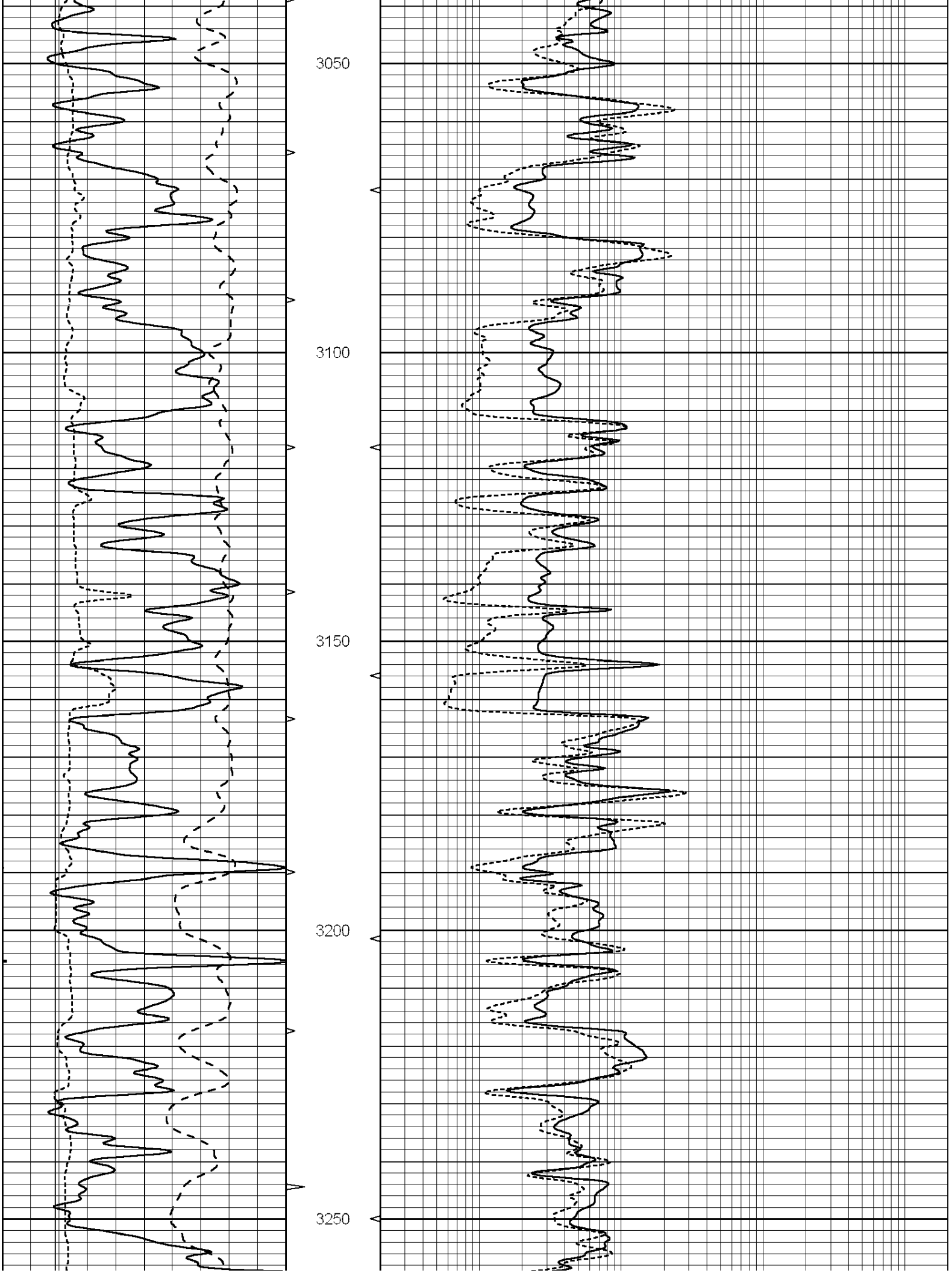
MAIN SECTION

Database File:	009594rag.db
Dataset Pathname:	pass3.1
Presentation Format:	rag
Dataset Creation:	Sun Sep 02 17:47:02 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0 GAMMA RAY (GAPI) 150	ABHV	0.2 GUARD (Ohm-m) 2000
-100 SP (mV) 100	10 (ft3) 0	0 NEUTRON (NAPI) 1000
6 CALIPER (in) 16	TBHV	
	0 (ft3) 10	

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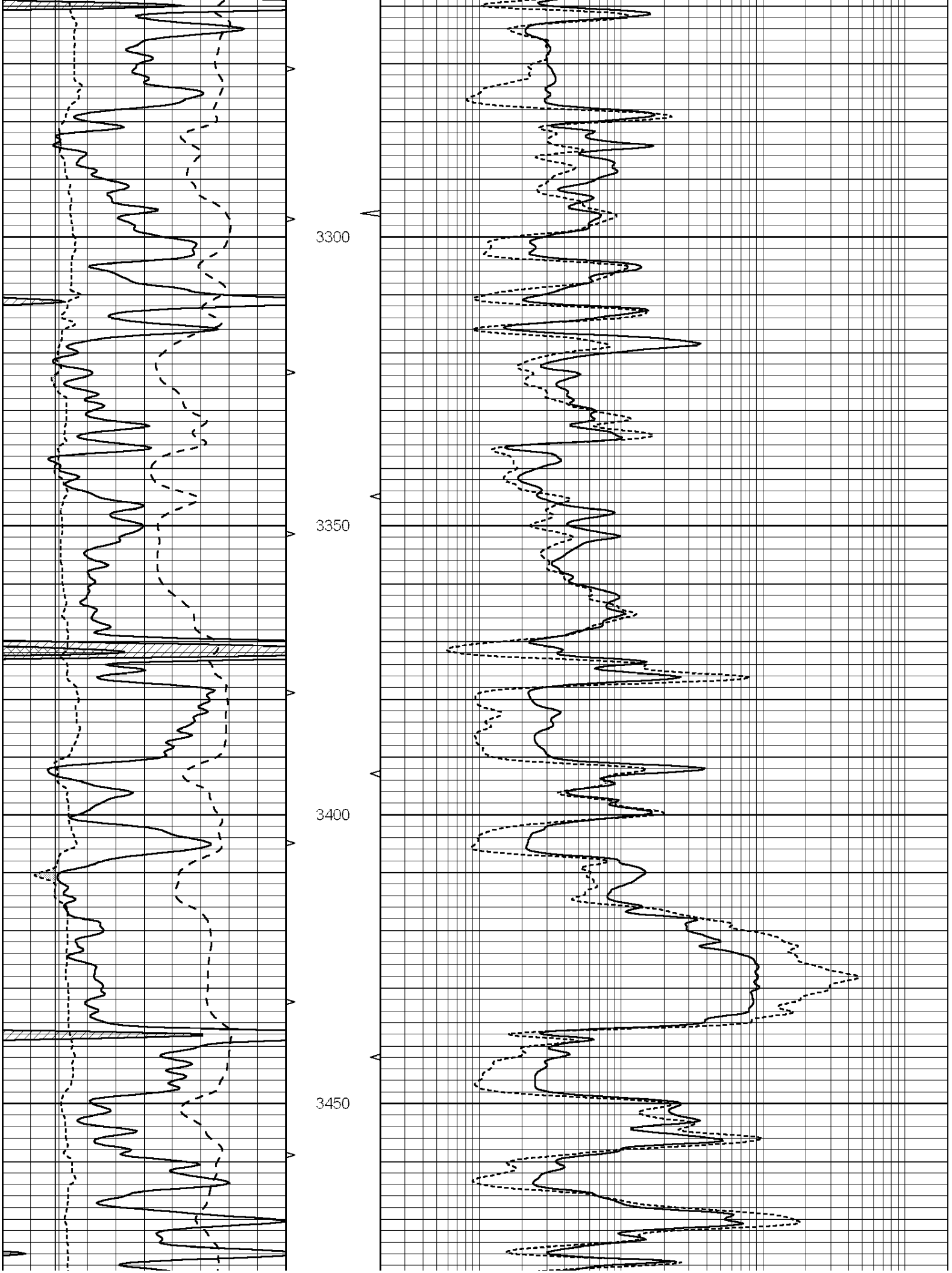
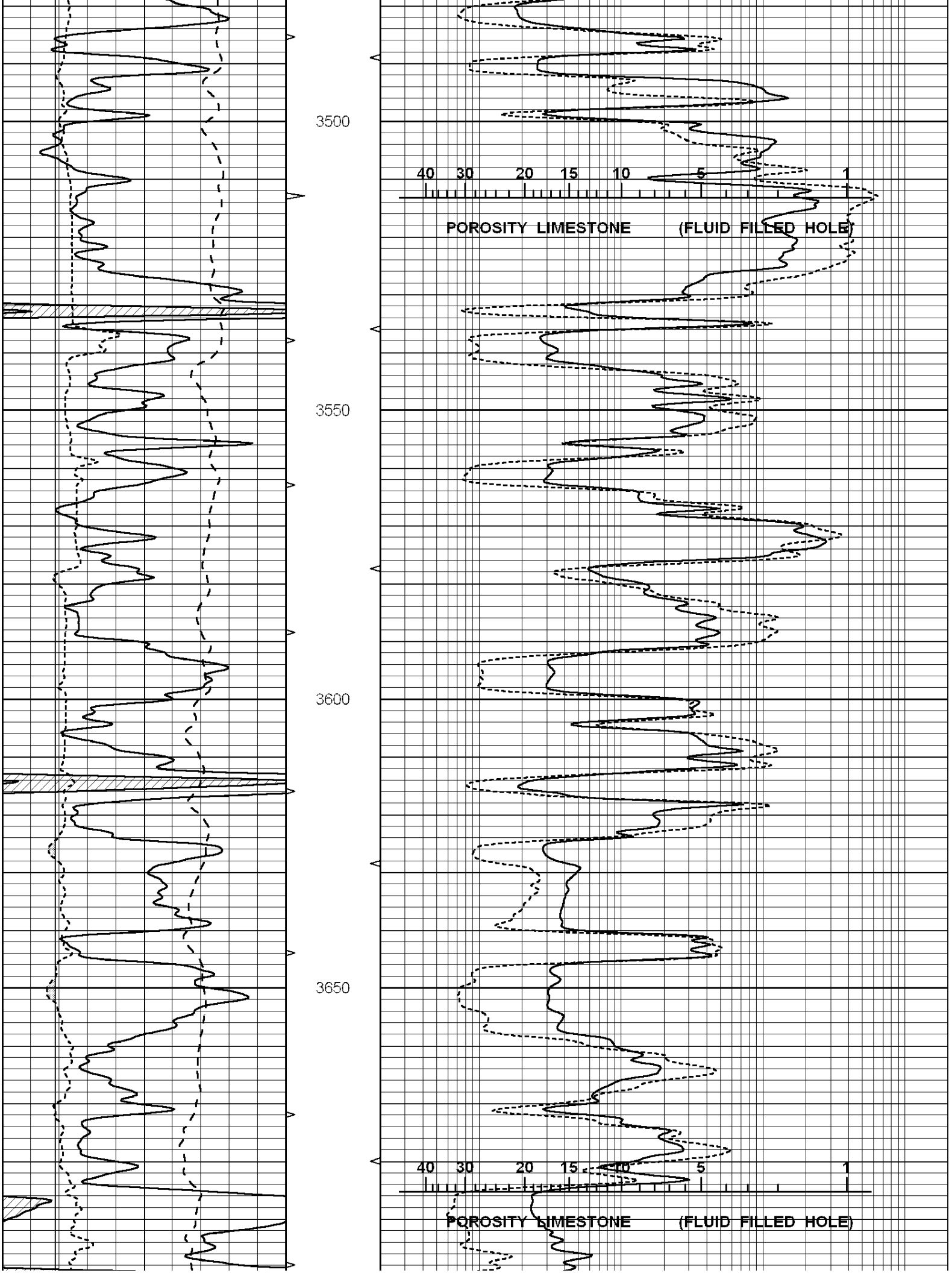
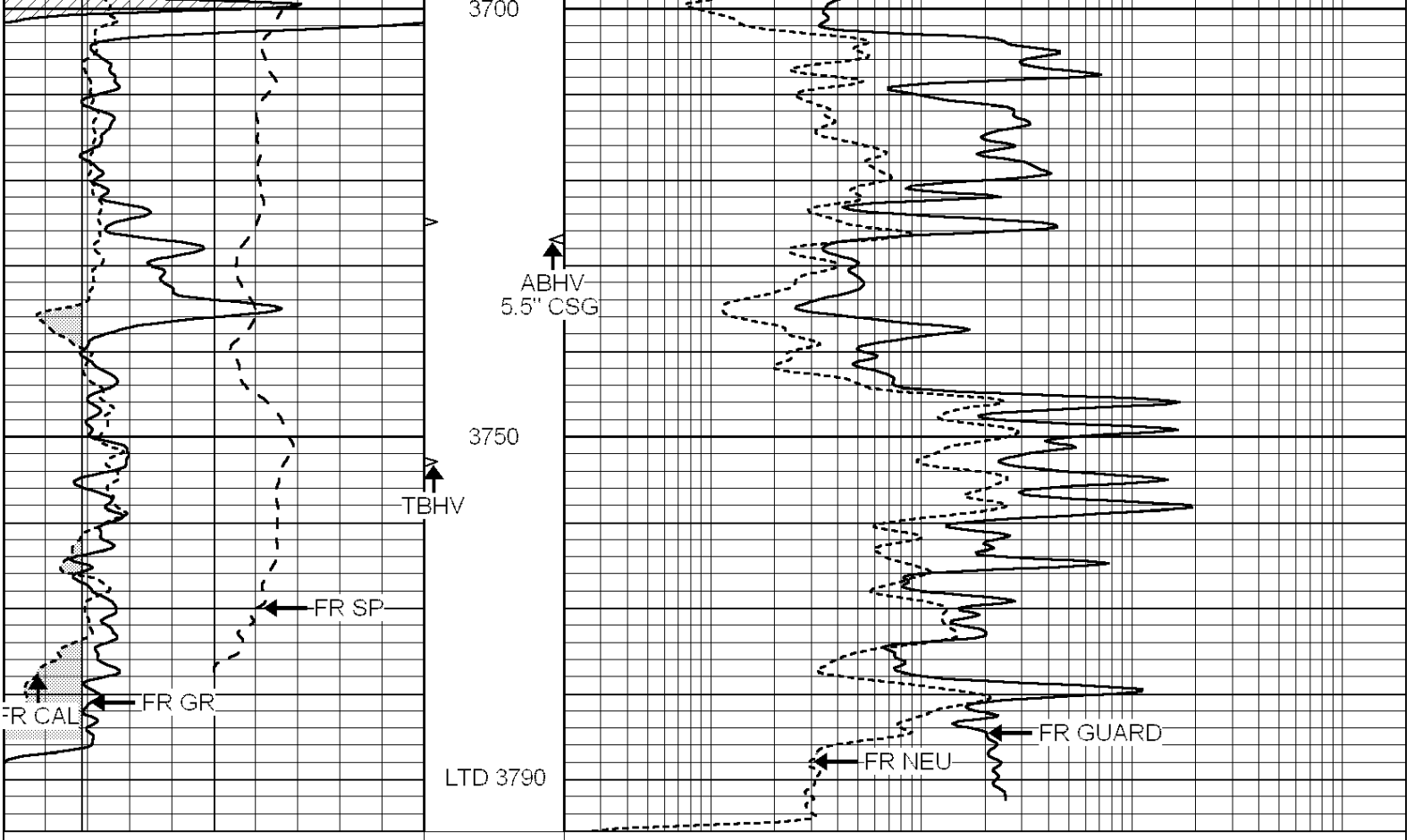
3100
3150
3200
3250


3300
3350
3400
3450


3500
3550
3600
3650
40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)
40 30 20 15 10 5 1
POROSITY LIMESTONE (FLUID FILLED HOLE)



0	GAMMA RAY (GAPI) 150	ABHV	0.2	GUARD (Ohm-m) 2000
-100	SP (mV) 100	10 (ft3) 0	0	NEUTRON (NAPI) 1000
6	CALIPER (in) 16	TBHV		
		0 (ft3) 10		

SUPERIOR WELL SERVICES

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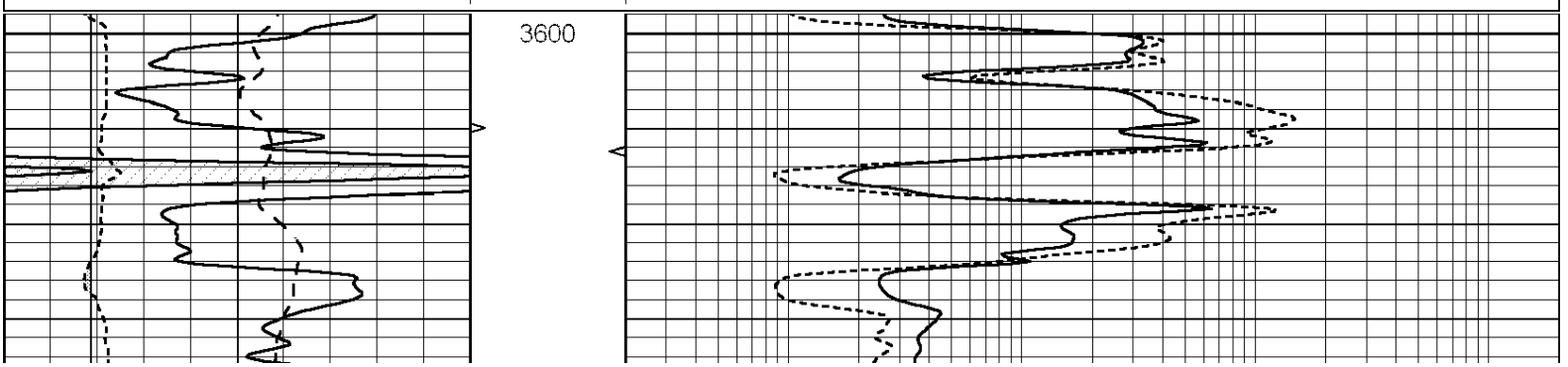
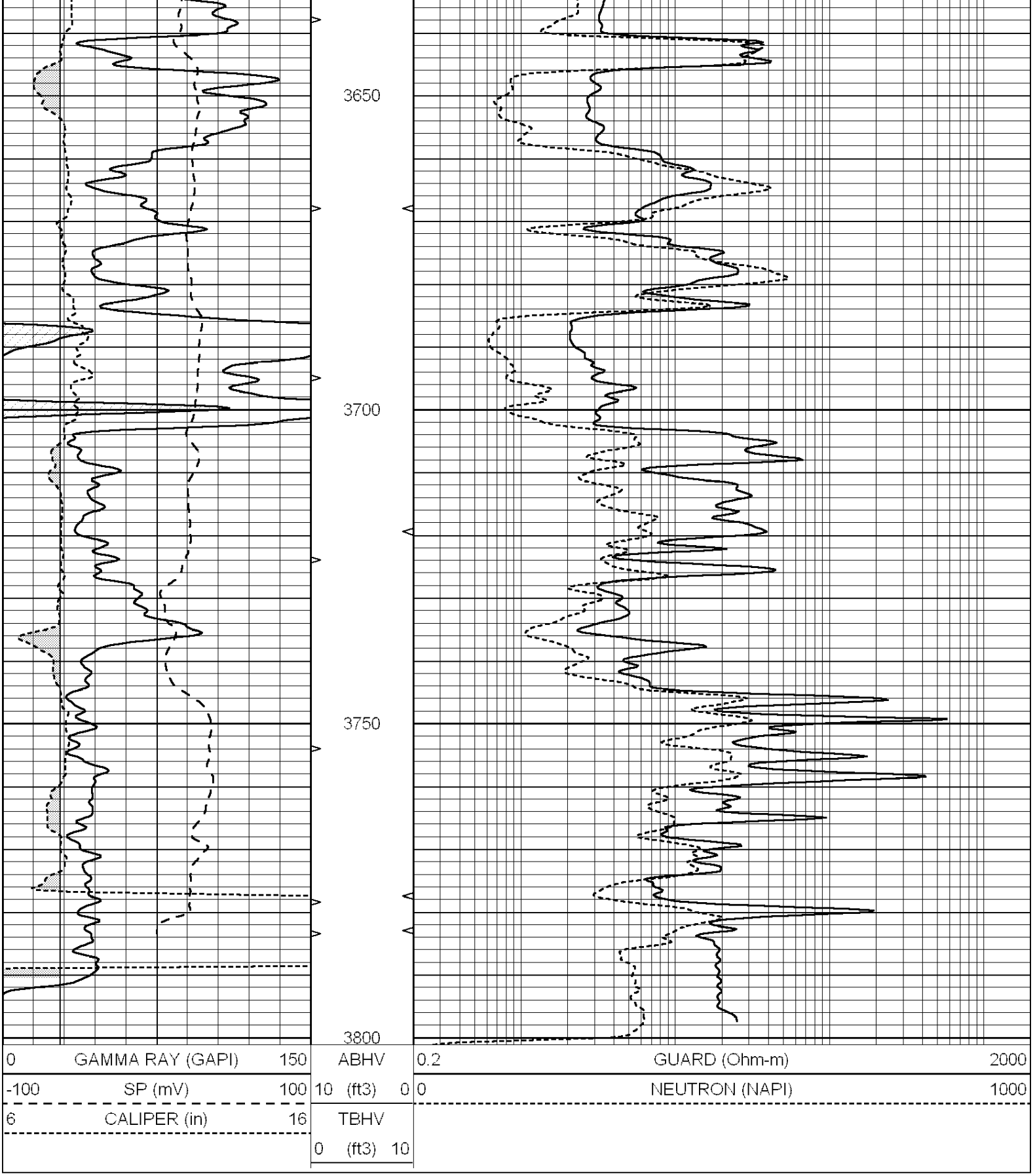
REPEAT SECTION

Database File:	009594rag.db
Dataset Pathname:	pass2.1
Presentation Format:	rag
Dataset Creation:	Sun Sep 02 17:44:31 2012 by Calc Open-Cased 090629
Charted by:	Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI) 150	ABHV	0.2	GUARD (Ohm-m) 2000
-100	SP (mV) 100	10 (ft3) 0	0	NEUTRON (NAPI) 1000
6	CALIPER (in) 16	TBHV		
		0 (ft3) 10		




3650
3700
3750
3800
0 GAMMA RAY (GAPI) 150
-100 SP (mV) 100
6 CALIPER (in) 16
ABHV
10 (ft3) 0
TBHV
0 (ft3) 10
0.2 GUARD (Ohm-m) 2000
0 NEUTRON (NAPI) 1000