SUPERIOR WELL SERVICES

SUPERIOR
Hays,
Kansas

RADIATION GUARD LOG

Company RITCHIE EXPLORATION, INC.
Well BEECHER UNIT #1
Field BOY EAST
County GRAHAM State KANSAS

Location: API # : 15-065-23773

2440' FNL & 2306' FEL

SEC 9 TWP 6S RGE 21W

Other Services

Permanent Datum GROUND LEVEL Elevation 2159
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Elevation
K.B. 2168
D.F.
G.L. 2159

Date	9-17-11		
Run Number	ONE		
Depth Driller	3725		
Depth Logger	3723		
Bottom Logged Interval	3722		
Top Log Interval	00		
Casing Driller	227		
Casing Logger	227		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.25 / 65		
pH / Fluid Loss	6.5 / 5.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.50 @ 70F		
Rmf @ Meas. Temp	1.13 @ 70F		
Rmc @ Meas. Temp	1.80 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	.940 @ 112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	1:00 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	JEFF CHRISTIAN		

Company RITCHIE EXPLORATION, INC.
Well BEECHER UNIT #1
Field BOY EAST
County GRAHAM
State KANSAS

<<< Fold Here >>>

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

Comments

SUPERIOR WELL SERVICES
785-628-6395
THA NK YOU FOR YOUR BUSINESS
DIRECTIONS: #283 & #9, 10S, 9E, 2N, 1E, 2N, NW INTO.

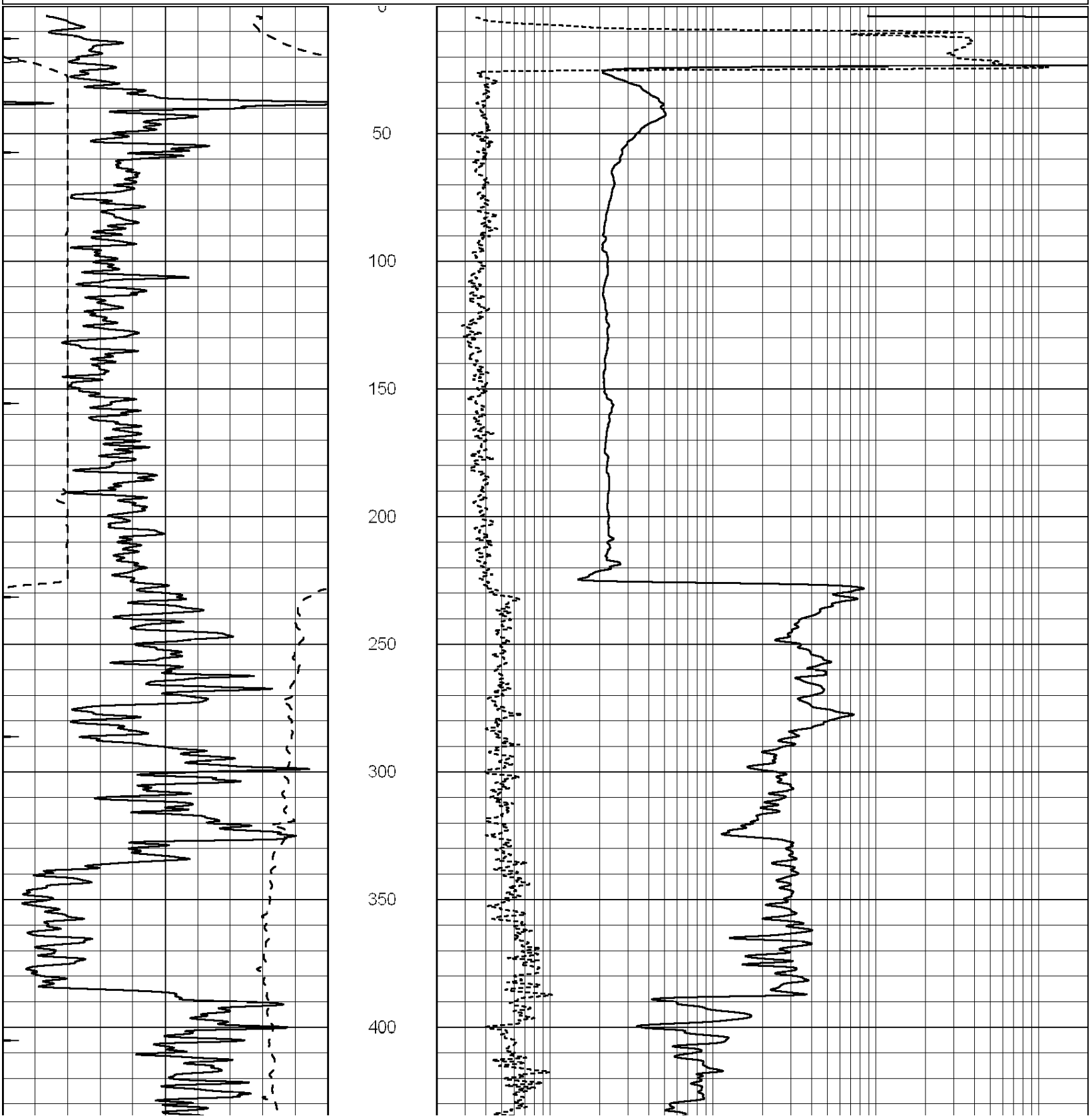
MAIN SECTION

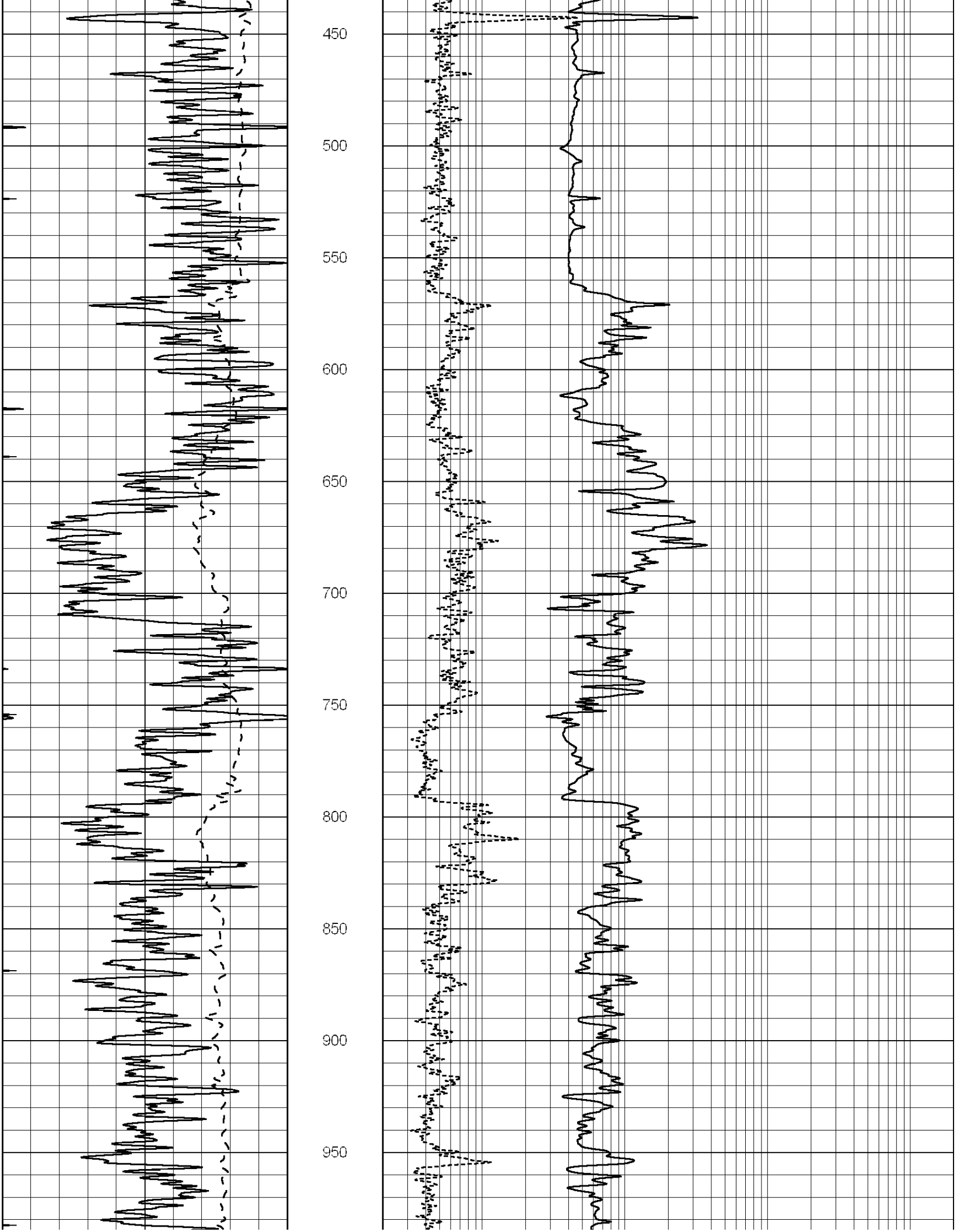
SUPERIOR
Hays,

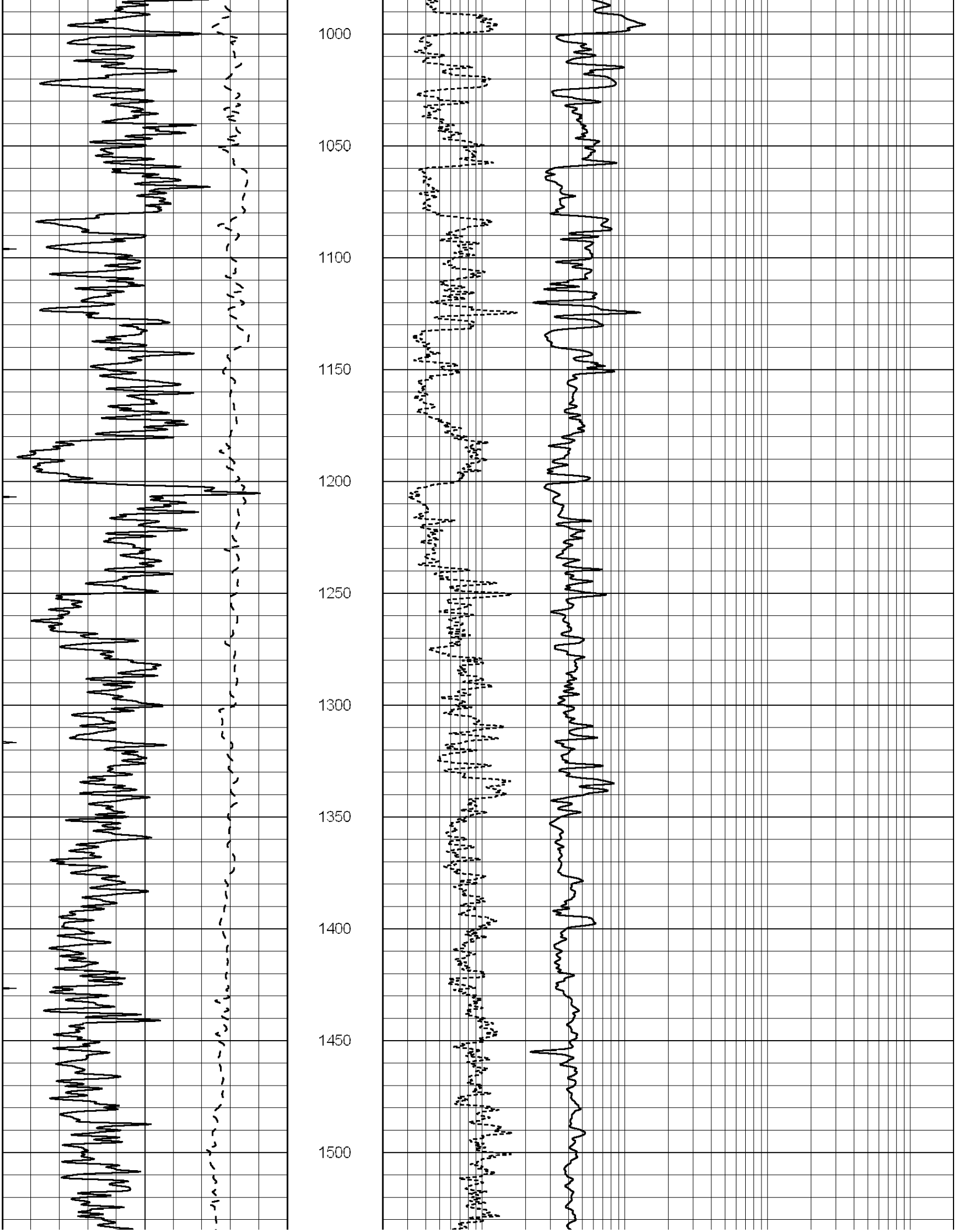
Kansas

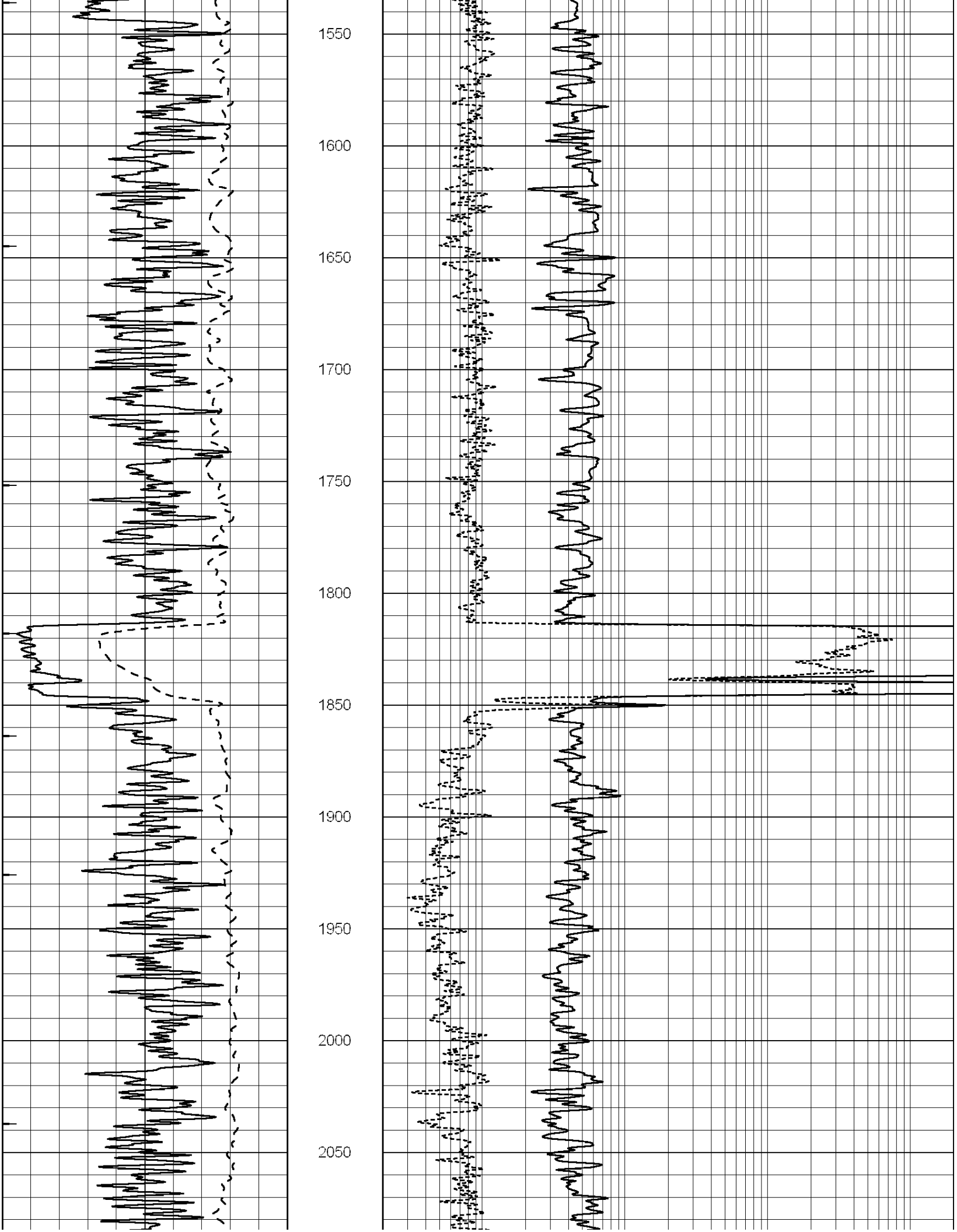
Database File:	007740rag.db
Dataset Pathname:	pass4.2A
Presentation Format:	rag2
Dataset Creation:	Sat Sep 17 02:37:46 2011
Charted by:	Depth in Feet scaled 1:600

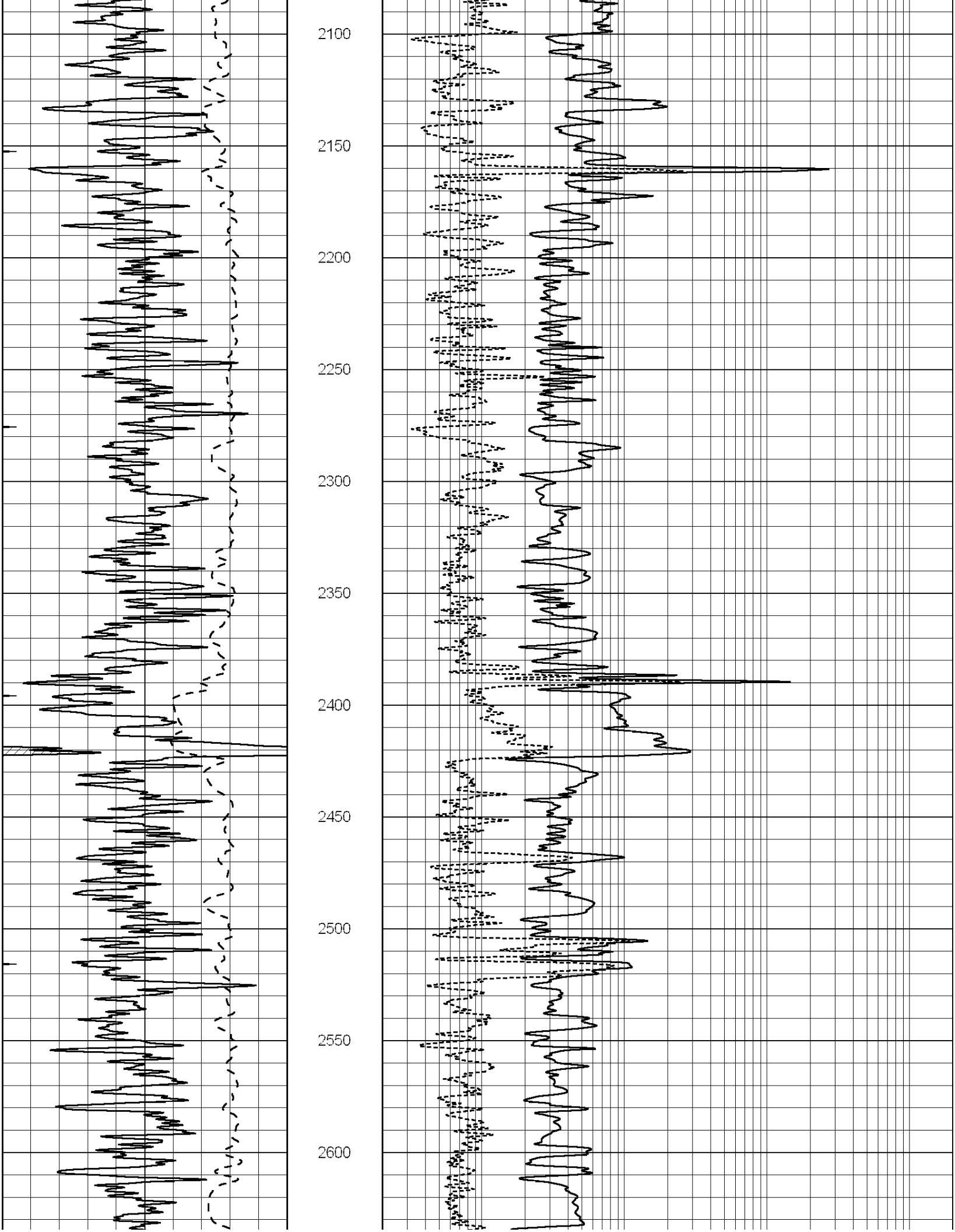
0	GAMMA RAY (GAPI)	150	ABHV (ft3)	0.2	GUARD (Ohm-m)	2000
-100	SP (mV)	100		0	NEUTRON (NAPI)	1000
			TBHV (ft3)			

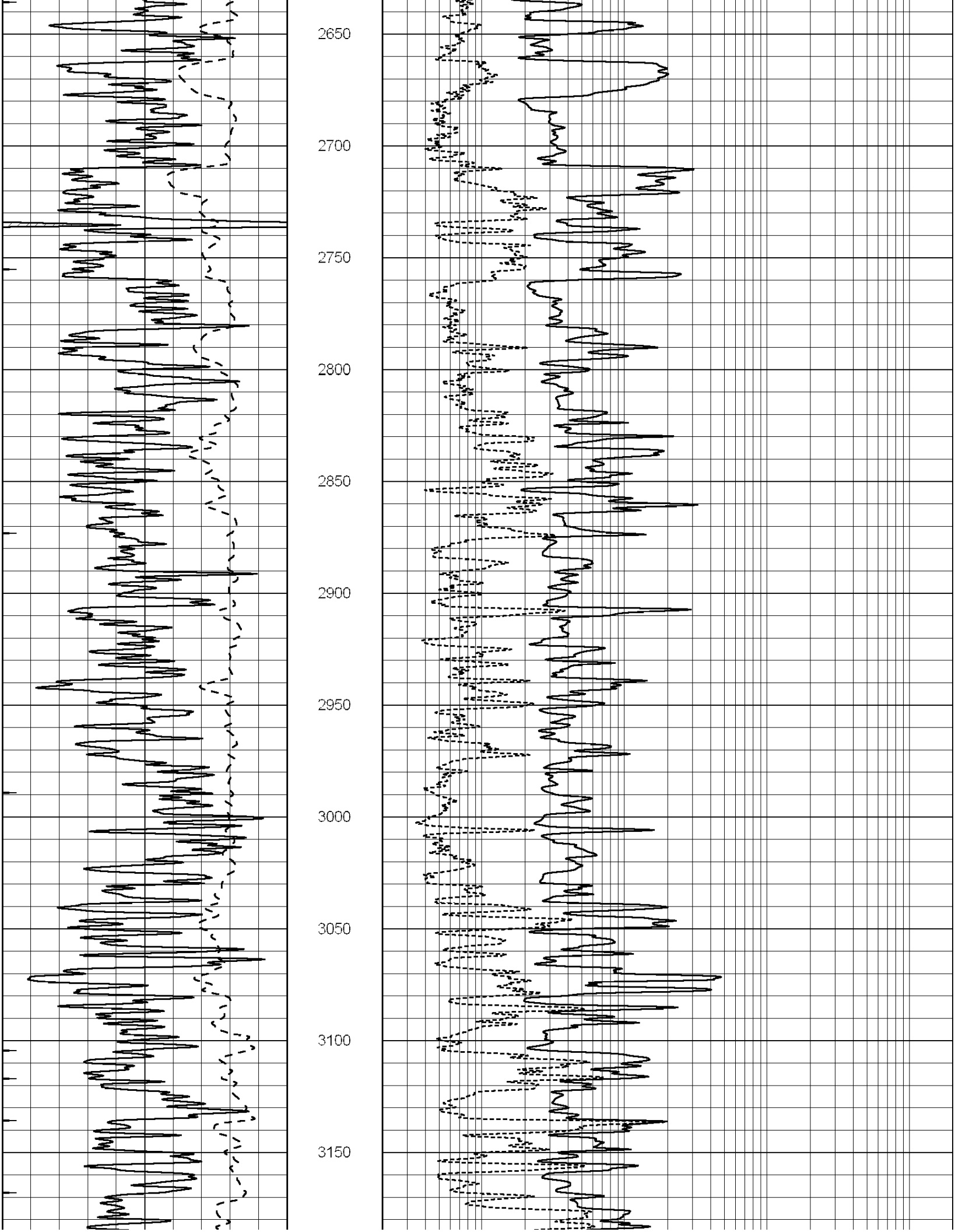


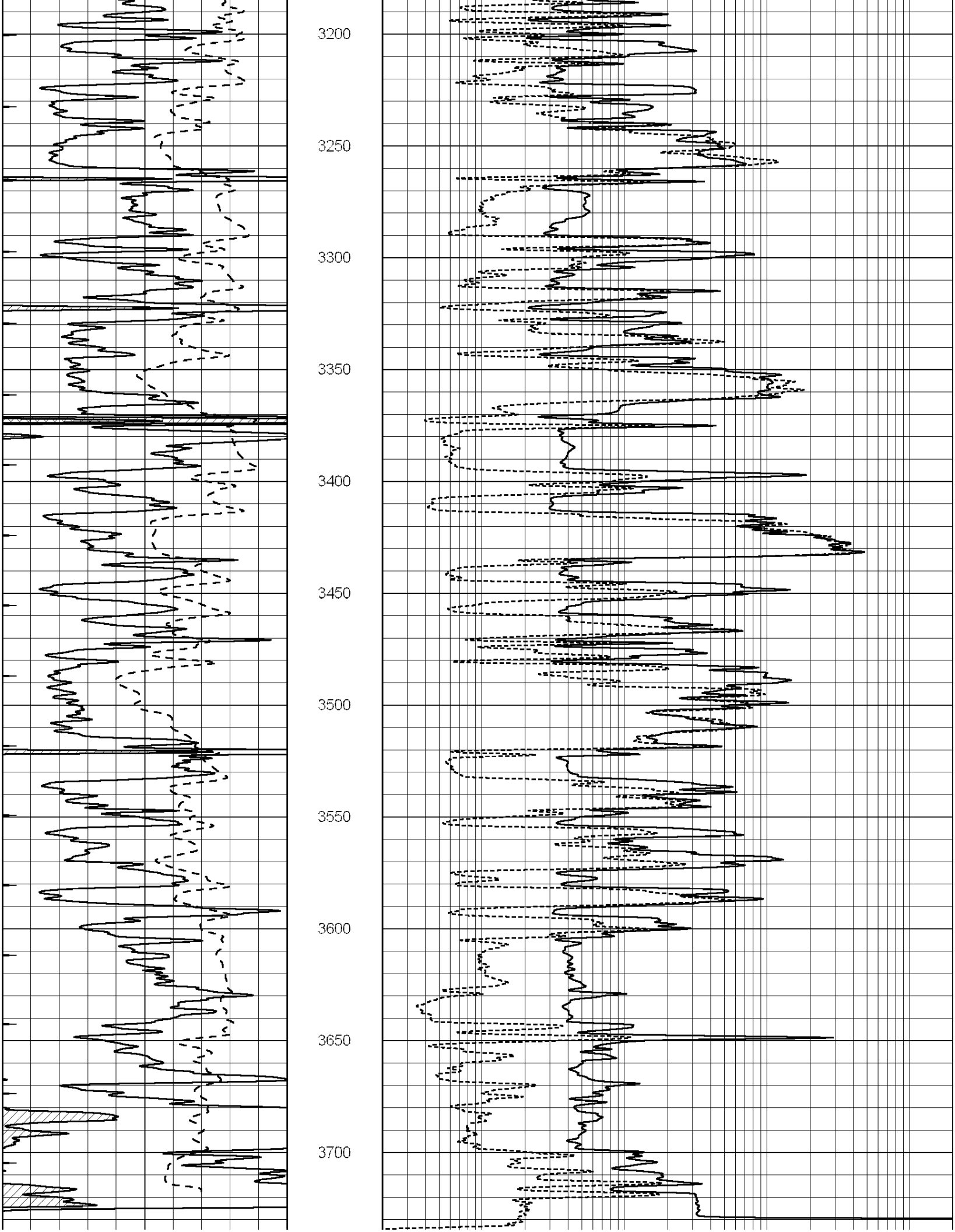

450
500
550
600
650
700
750
800
850
900
950


1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500


1550
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

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

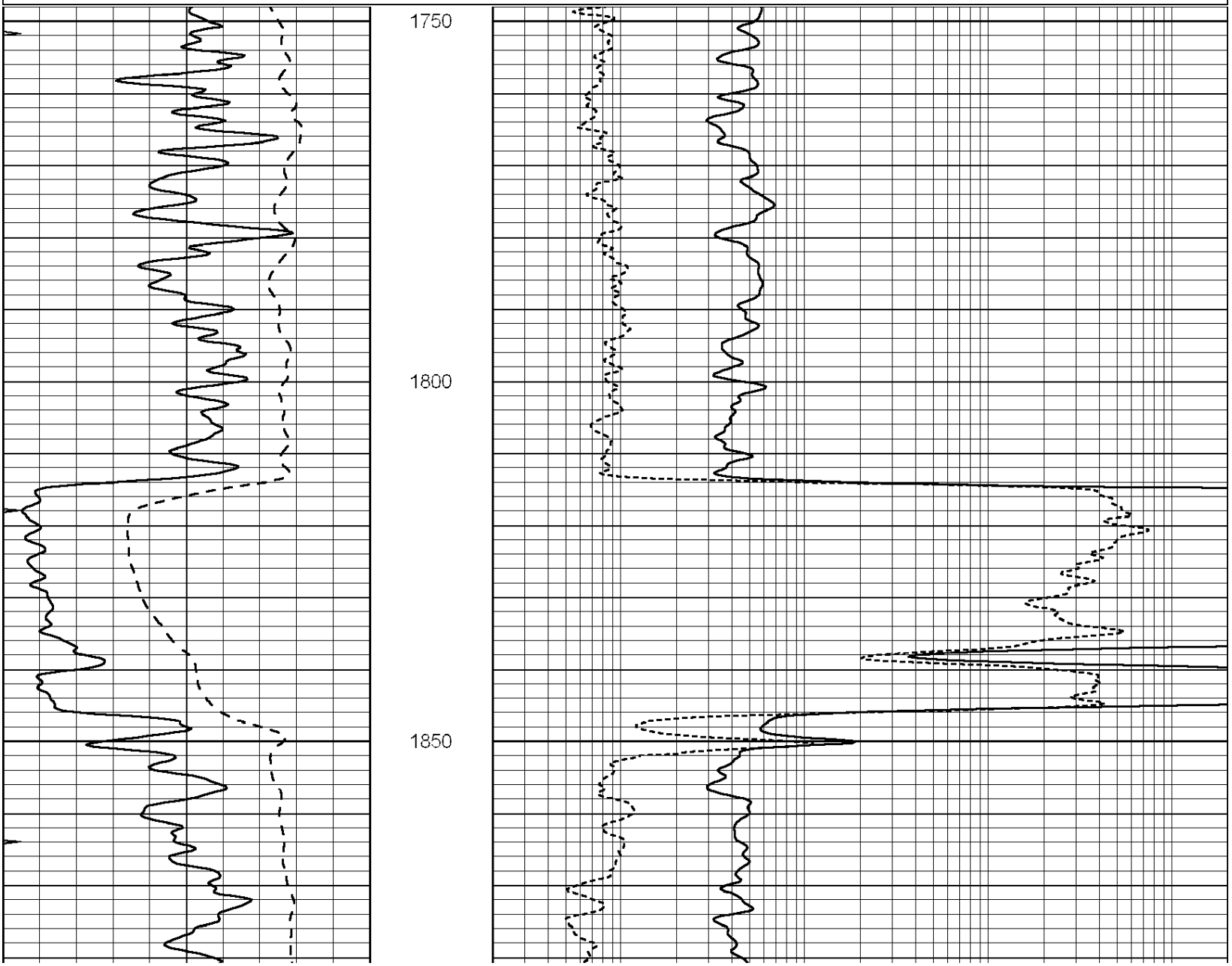
SUPERIOR WELL SERVICES

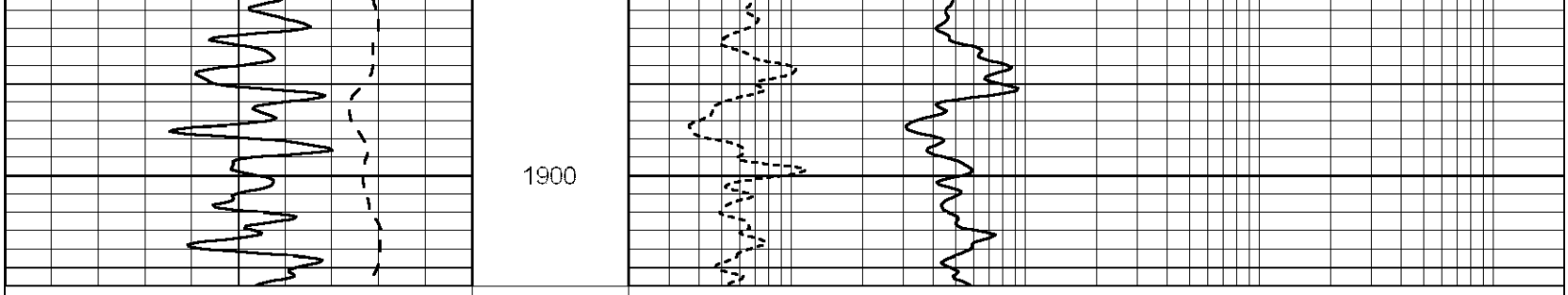
SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File:	007740rag.db
Dataset Pathname:	pass4.2A
Presentation Format:	rag2
Dataset Creation:	Sat Sep 17 02:37:46 2011
Charted by:	Depth in Feet scaled 1:240

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



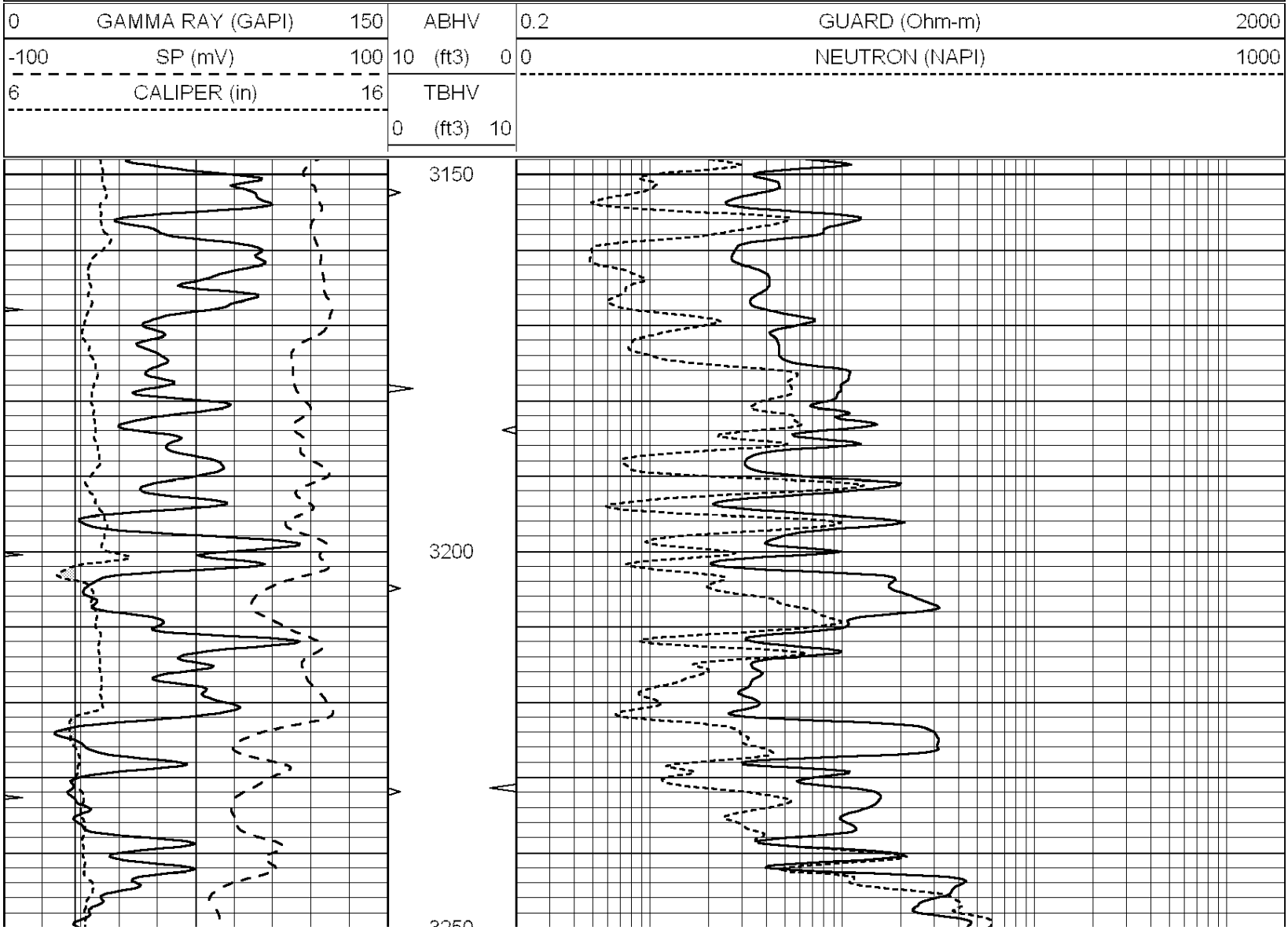


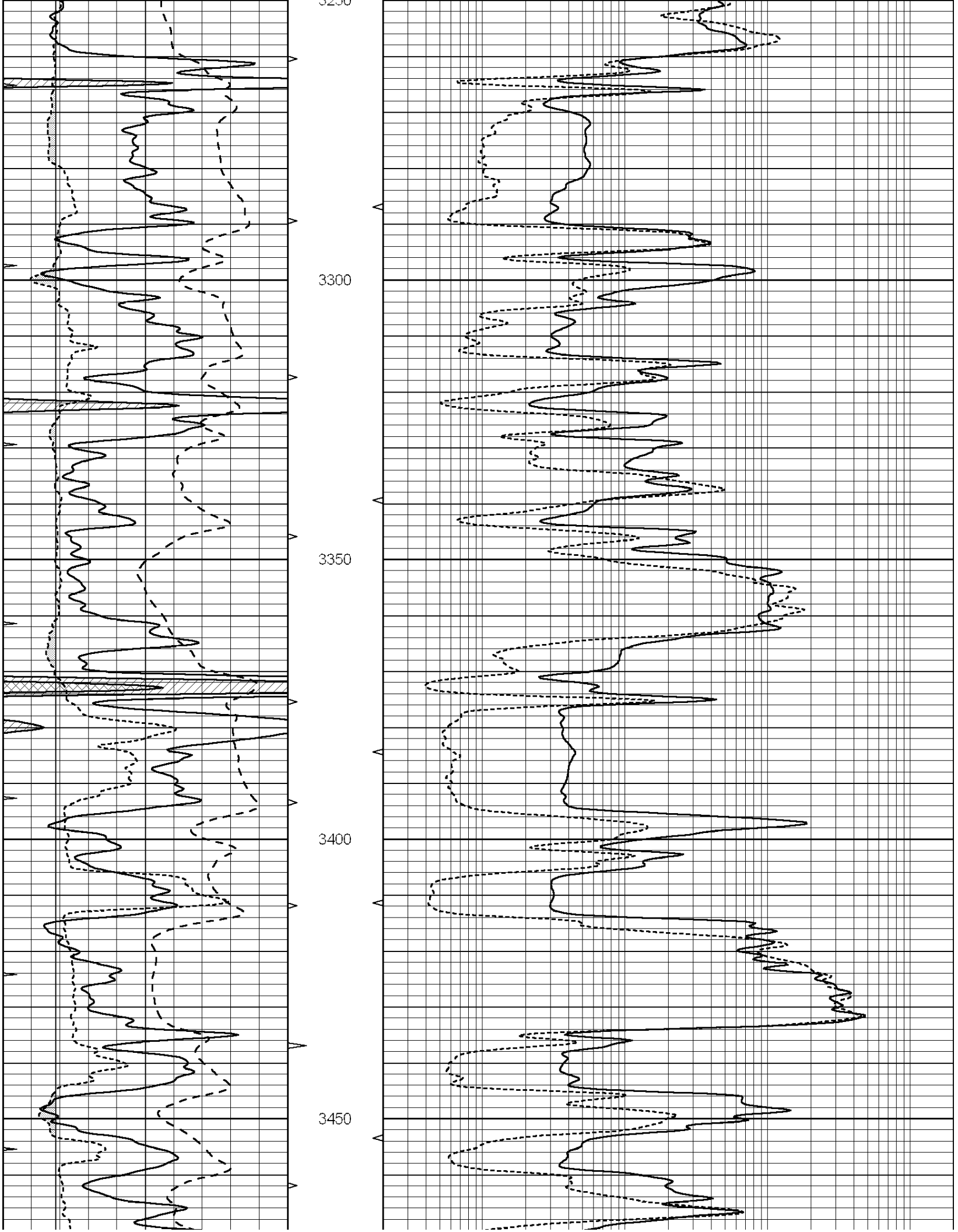
SUPERIOR WELL SERVICES

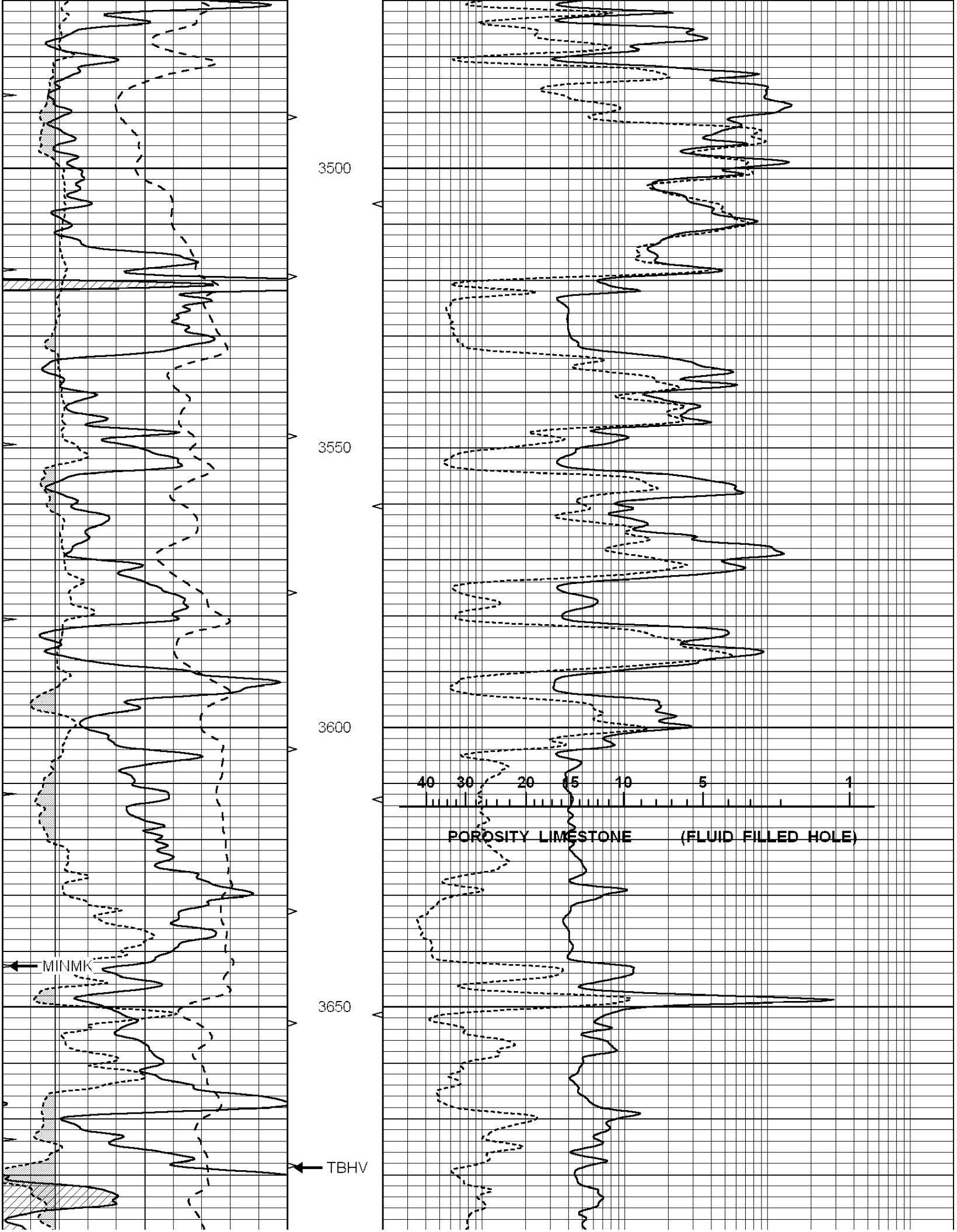
SUPERIOR
Hays,
Kansas

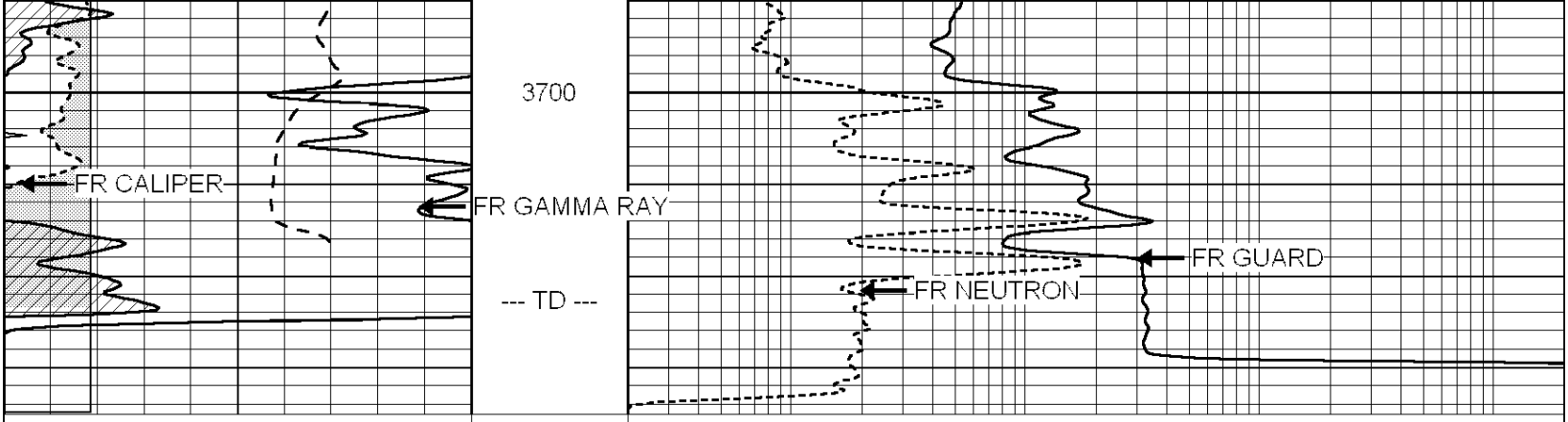
MAIN SECTION

Database File:	007740rag.db
Dataset Pathname:	pass4.2A
Presentation Format:	rag
Dataset Creation:	Sat Sep 17 02:37:46 2011
Charted by:	Depth in Feet scaled 1:240




3300
3350
3400
3450


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



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		

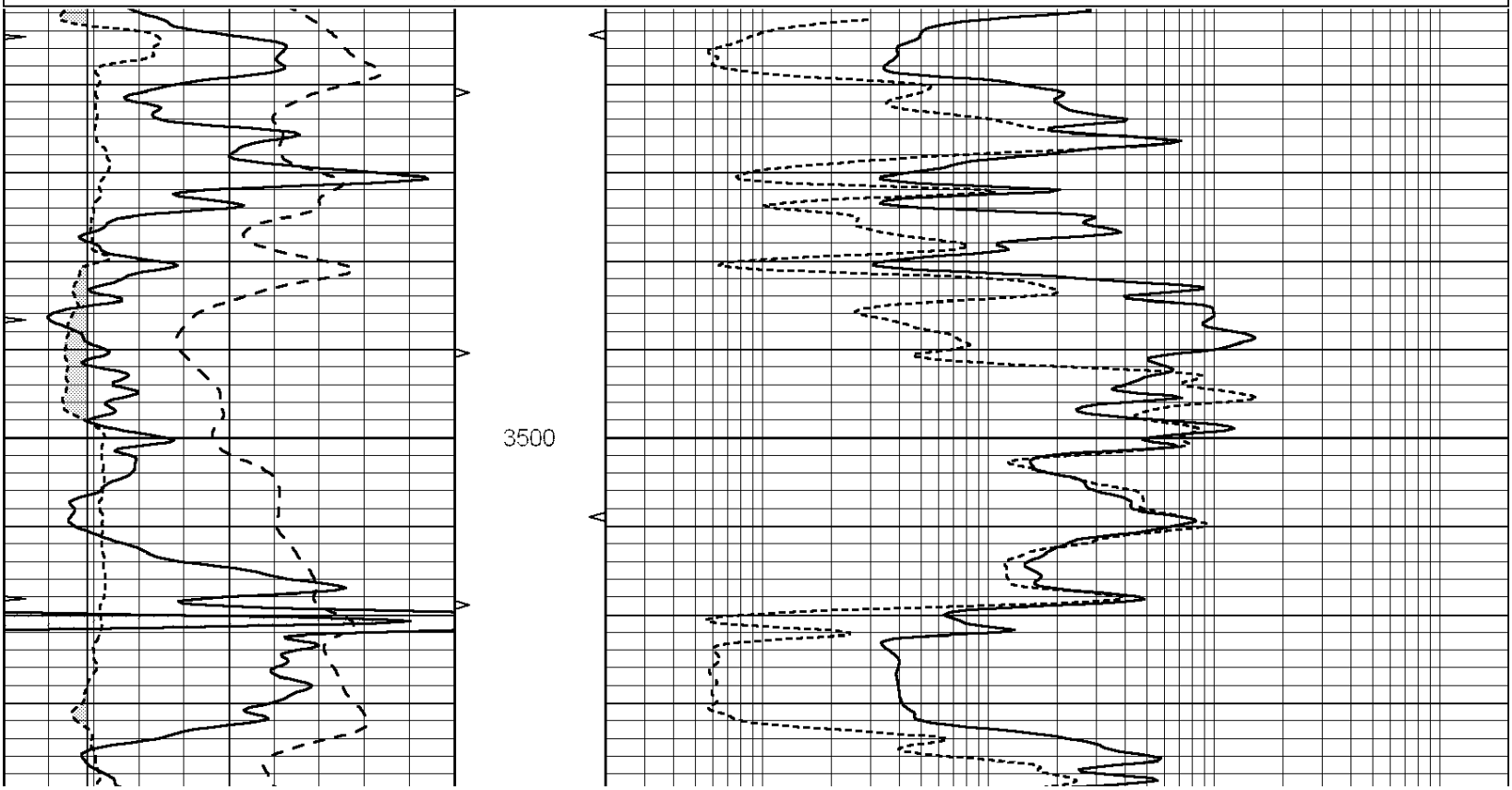
SUPERIOR WELL SERVICES

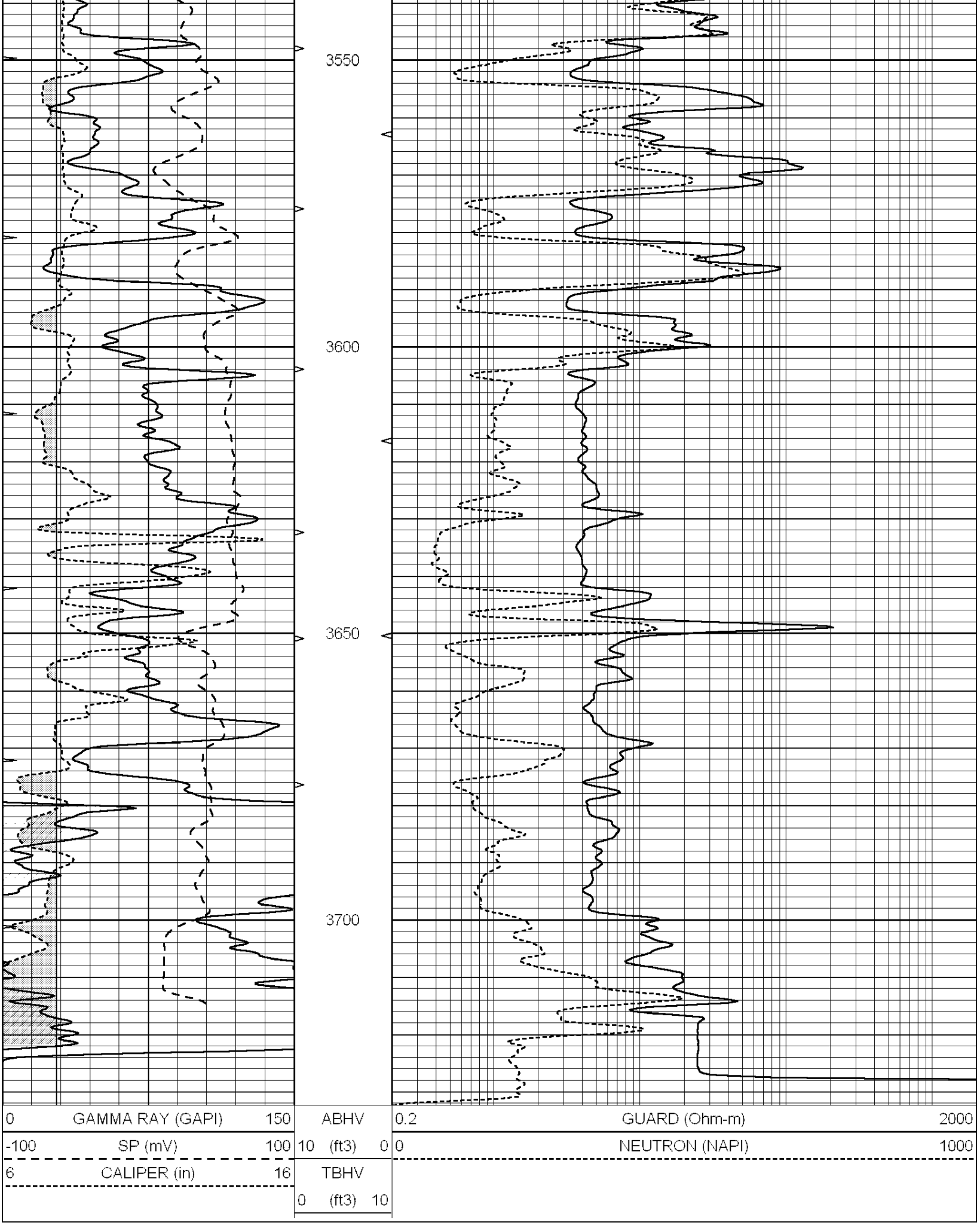
SUPERIOR
Hays,
Kansas

REPEAT SECTION

Database File:	007740rag.db
Dataset Pathname:	pass3.1A
Presentation Format:	rag
Dataset Creation:	Sat Sep 17 02:27:57 2011 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		




3550
3600
3650
3700
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

Calibration Report

Database File: 007740rag.db
Dataset Pathname: pass4.2A
Dataset Creation: Sat Sep 17 02:37:46 2011

Neutron Calibration Report

Serial Number:	RAG1		
Tool Model:	RAG		
Performed:	Thu Aug 25 19:26:50 2011		
Calibrator Values:	0	1	NAPI
Calibrator Readings:	0	1	cps
Sensitivity:	1.4	NAPI/cps	

Micro Spherically Focused Log Calibration Report

Serial-Model:	RAG1-A
Performed:	Sat Sep 17 01:39:13 2011

	Readings			References			Results	
	Low	High		Low	High		m	b
Conductivity	0.0110	0.9000	V	10.0000	1000.0000	mmho	1200.0000	-5.0000
Caliper	0.2401	0.3178	V	9.0000	16.0000	in	90.0924	-12.6348

Gamma Ray Calibration Report

Serial Number:	RAG1	
Tool Model:	RAG	
Performed:	Thu Aug 25 19:22:26 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.9	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.8000	GAPI/cps