



**SUPERIOR
Hays,
Kansas**

**RADIATION
GUARD LOG**

Company BAIRD OIL COMPANY, LLC.
Well ANNA #1-3
Field
County NORTON
State KANSAS

Company BAIRD OIL COMPANY, LLC.
Well ANNA #1-3
Field
County NORTON State KANSAS

Location: API #: 15-137-20557-00-00
1655' FSL & 740' FEL
SEC 3 TWP 4S RGE 21W
Permanent Datum GROUND LEVEL Elevation 2212
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
MICRO
Elevation
K.B. 2217
D.F.
G.L. 2212

Date	5-4-11
Run Number	ONE
Depth Driller	3750
Depth Logger	3751
Bottom Logged Interval	3750
Top Log Interval	3100
Casing Driller	220
Casing Logger	220
Bit Size	7.875
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.1 / 60
pH / Fluid Loss	11.0 / 6.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	1.20 @ 75F
Rmf @ Meas. Temp	0.90 @ 75F
Rmc @ Meas. Temp	1.44 @ 75F
Source of Rmf / Rmc	MEASURED
Rm @ BHT	.800 @ 112F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	5:50 A.M.
Maximum Recorded Temperature	112F
Equipment Number	860
Location	HAYS, KS.
Recorded By	RUPP
Witnessed By	RICHARD BELL

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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

SUPERIOR WELL SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: LOGAN, W TO "E12" RD., 5N TO JUST PAST INTERSECTION, W & N INTO.

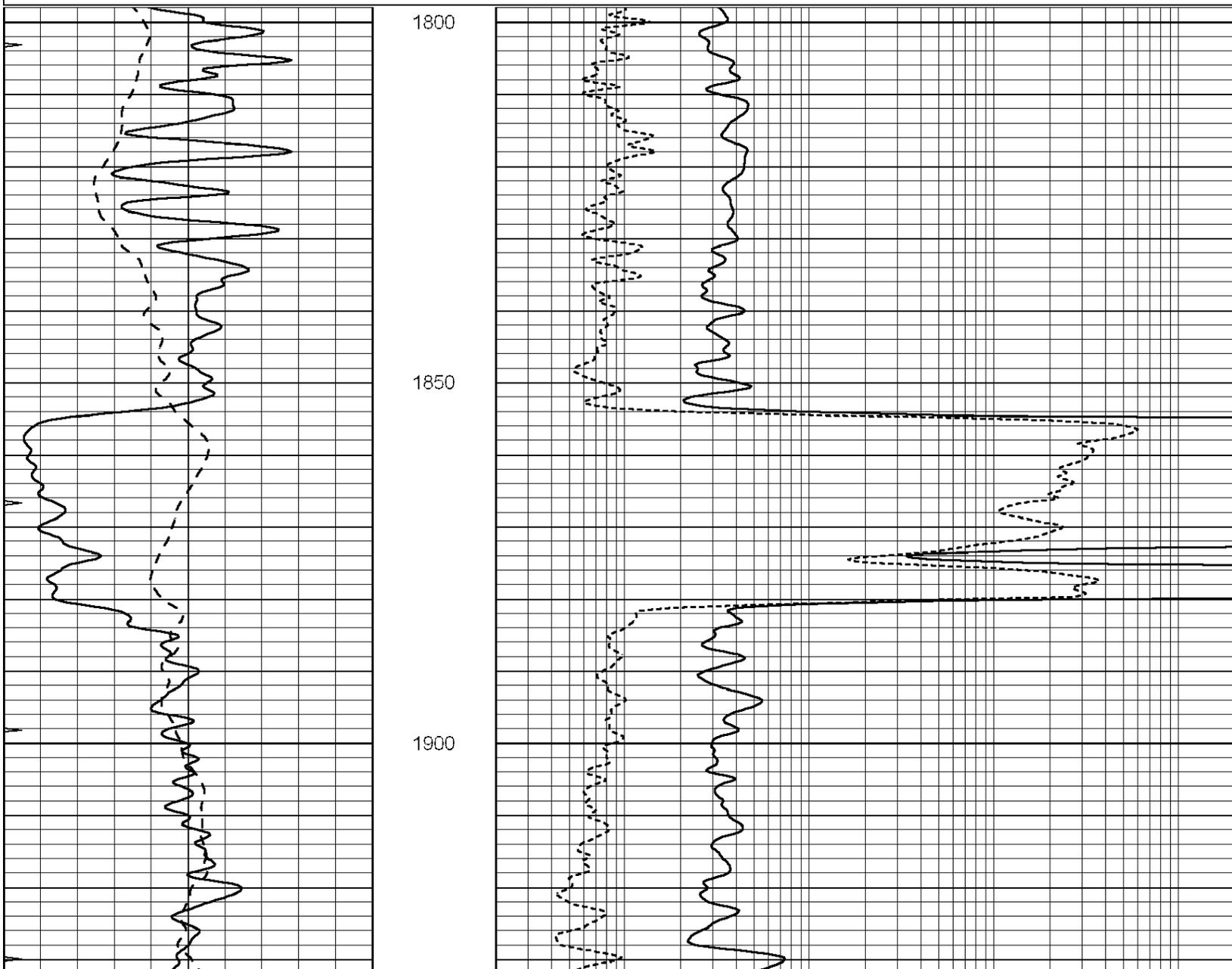


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MAIN SECTION

Database File: 006912rag.db
 Dataset Pathname: pass4.A
 Presentation Format: rag2
 Dataset Creation: Wed May 04 07:01:52 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)	-----		



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

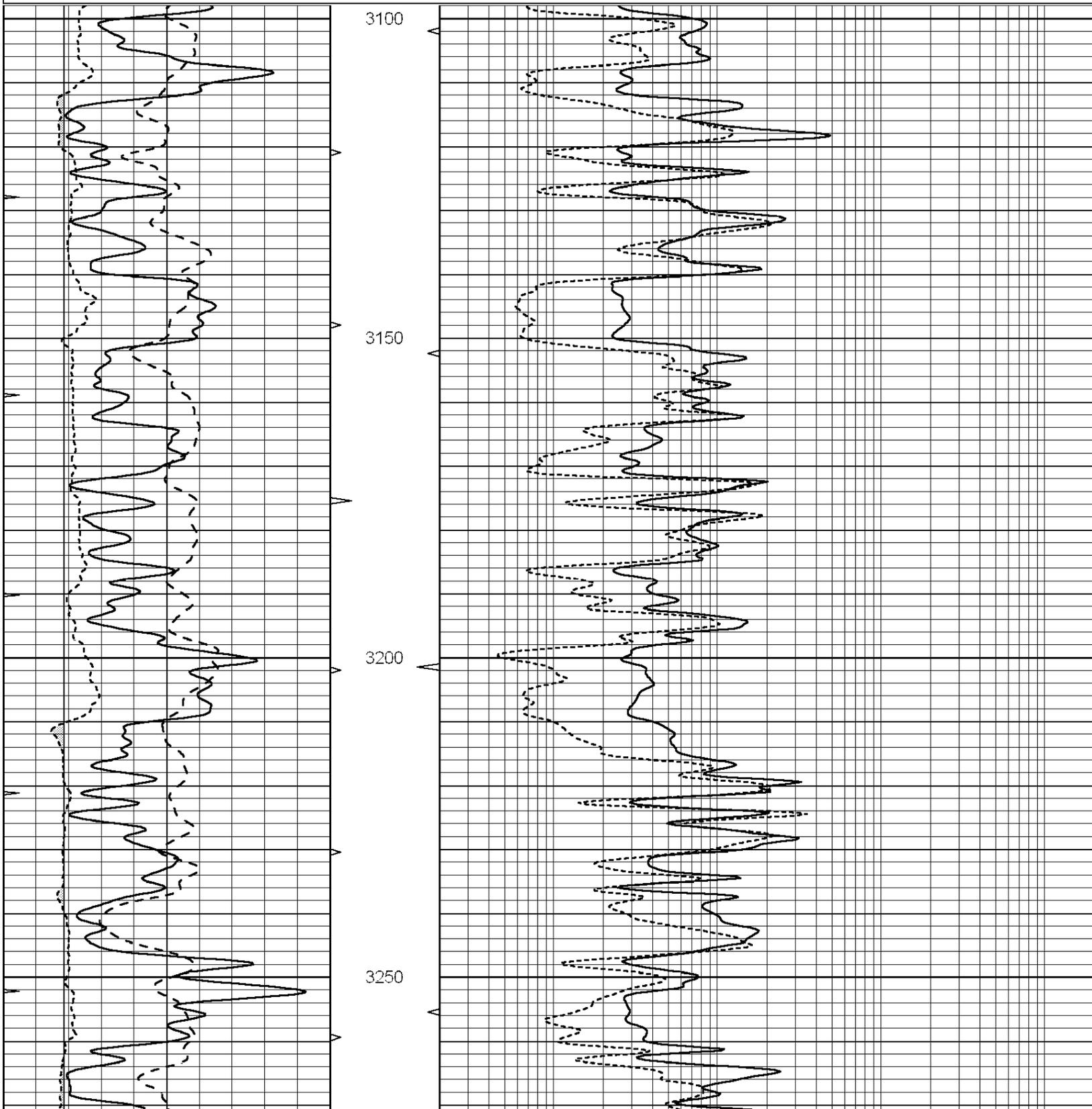


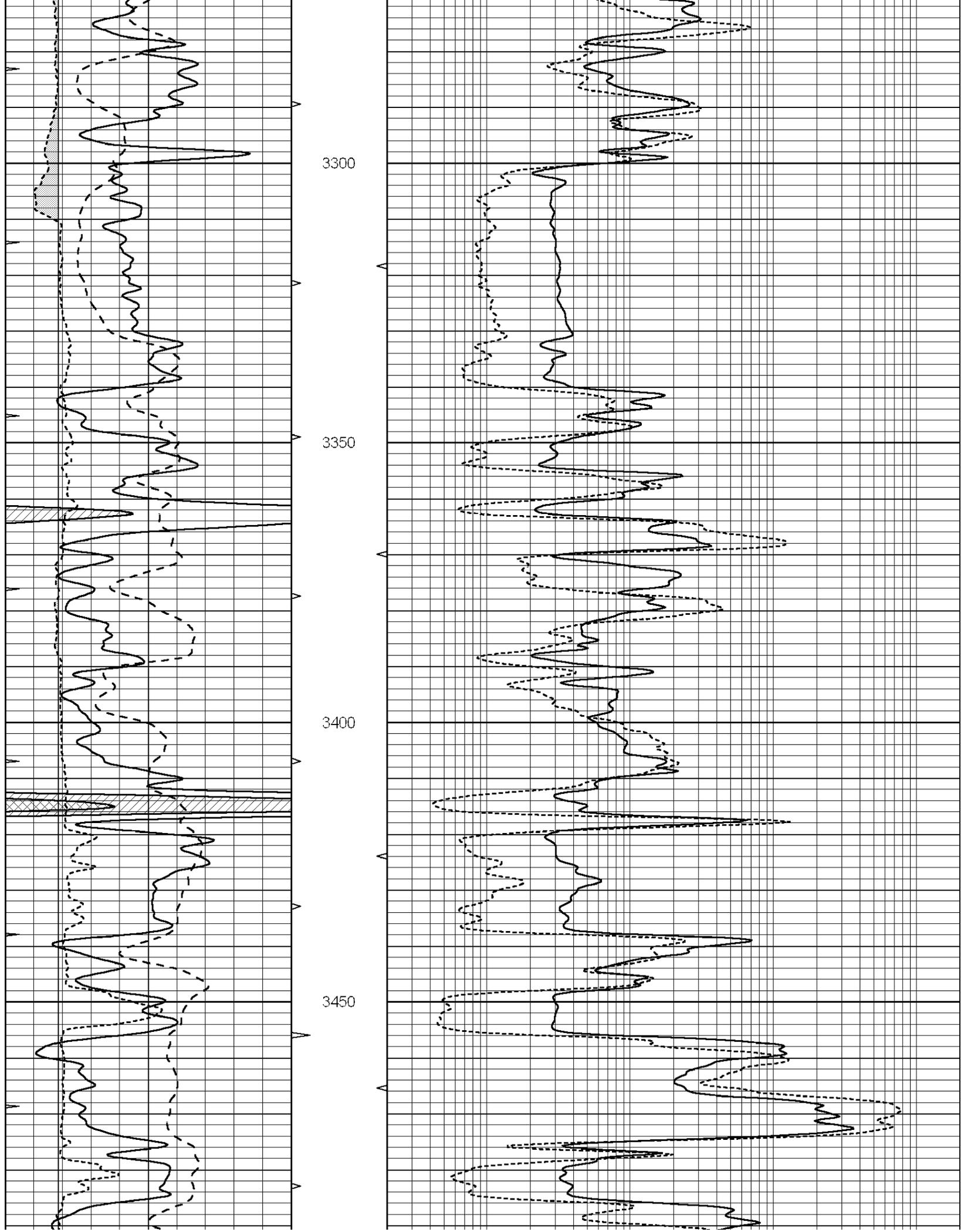
SUPERIOR
Hays,

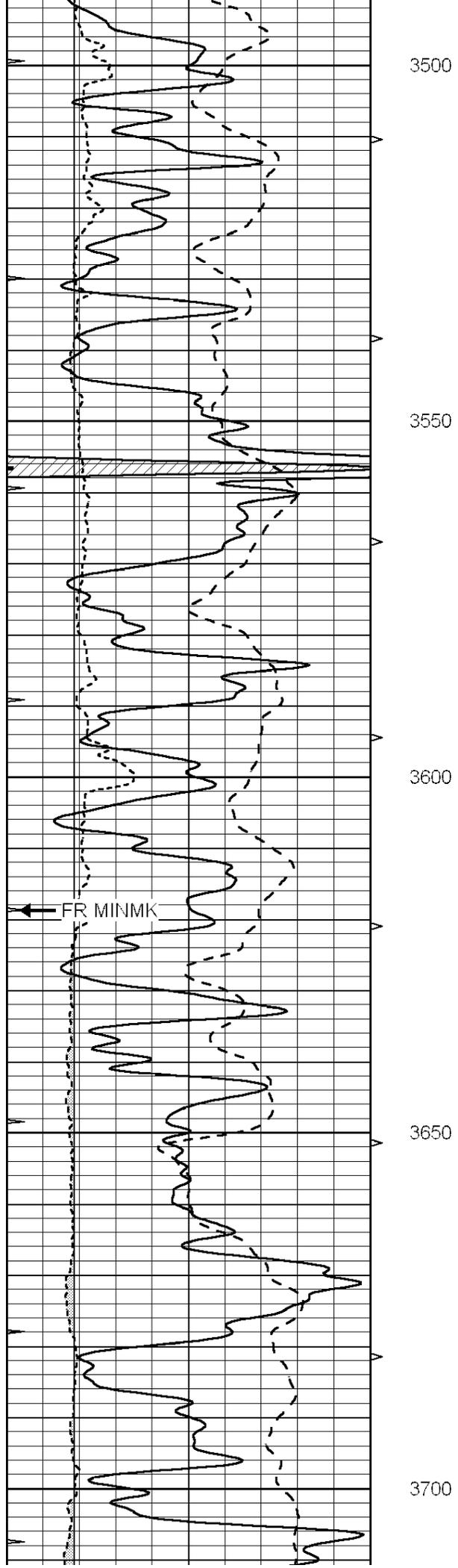
MAIN SECTION

Database File: 006912rag.db
 Dataset Pathname: pass4.A
 Presentation Format: rag
 Dataset Creation: Wed May 04 07:01:52 2011
 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	NEUTRON (NAPI)	1000
6	CALIPER (in)	16	TBHV			
			0 (ft3)	10		







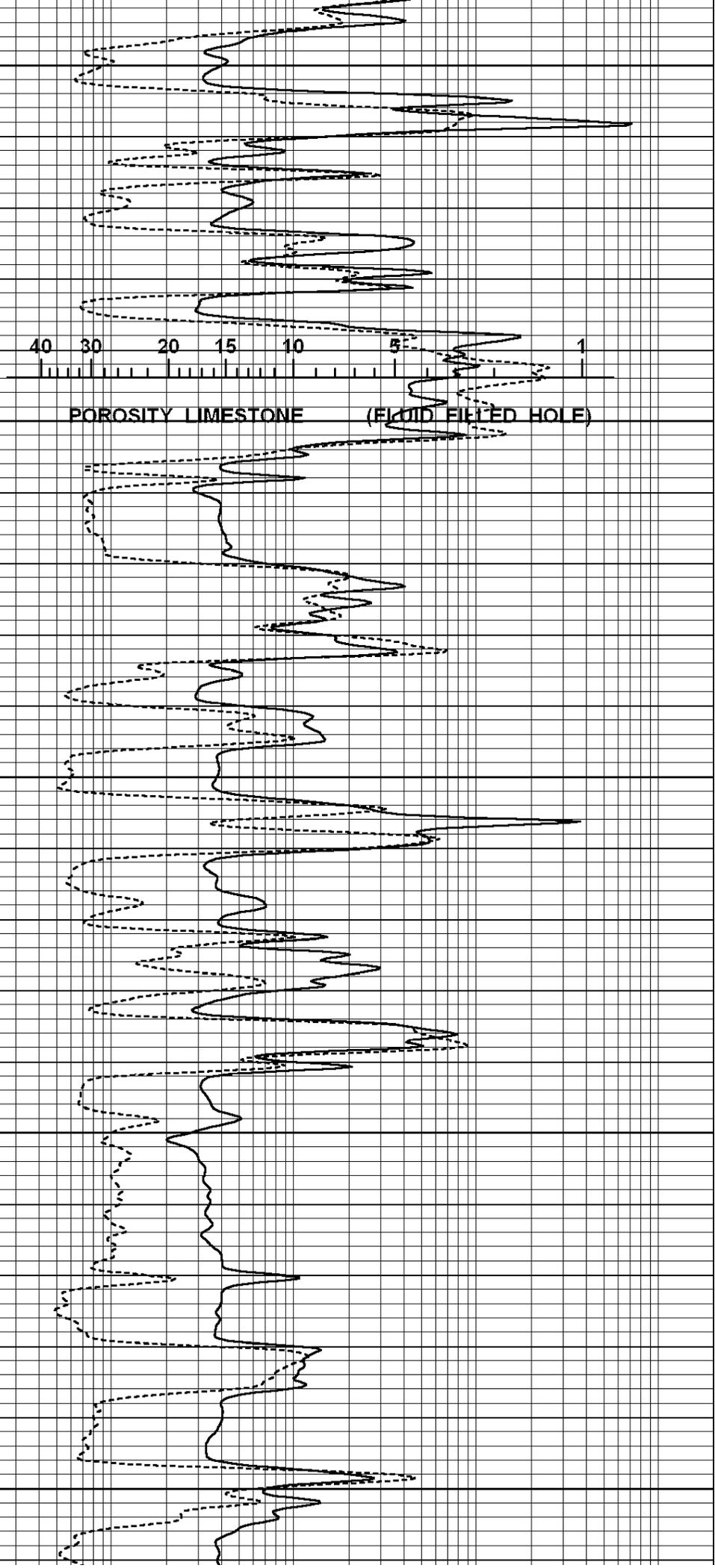
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3550

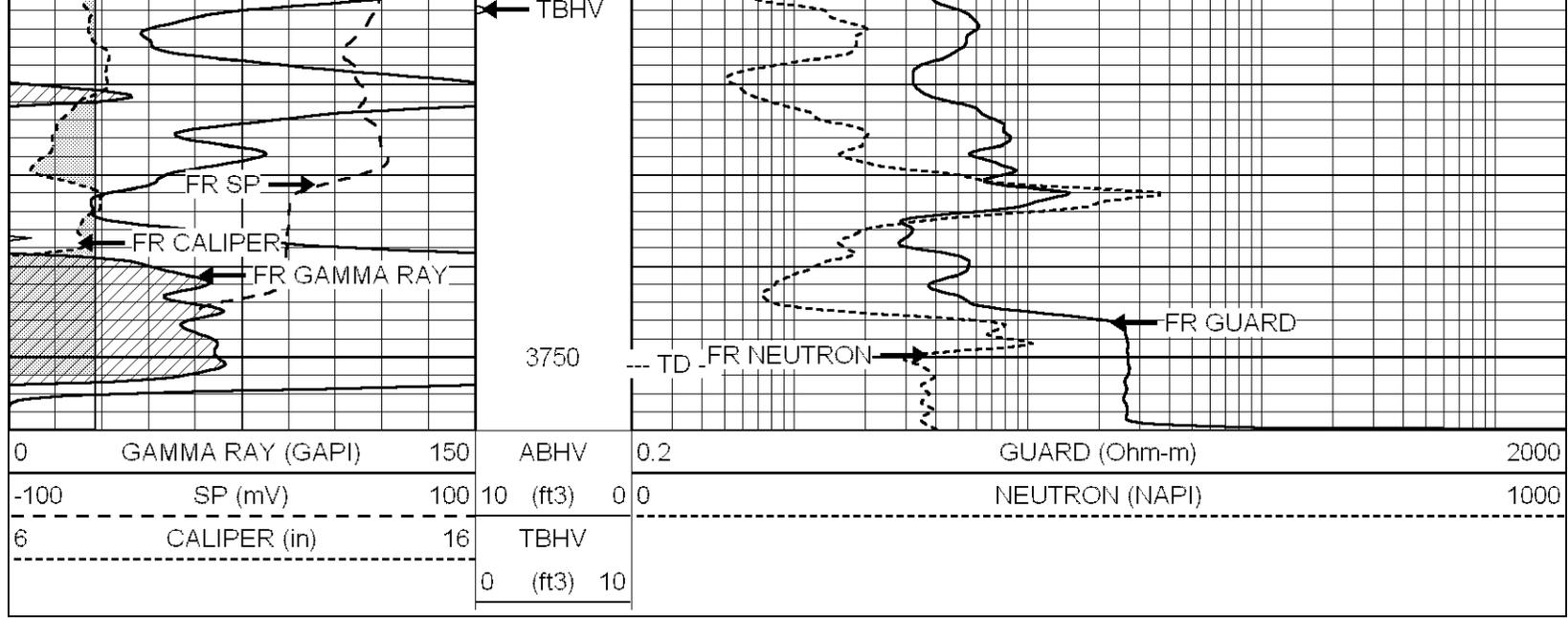
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3650

3700



40 30 20 15 10 5 1

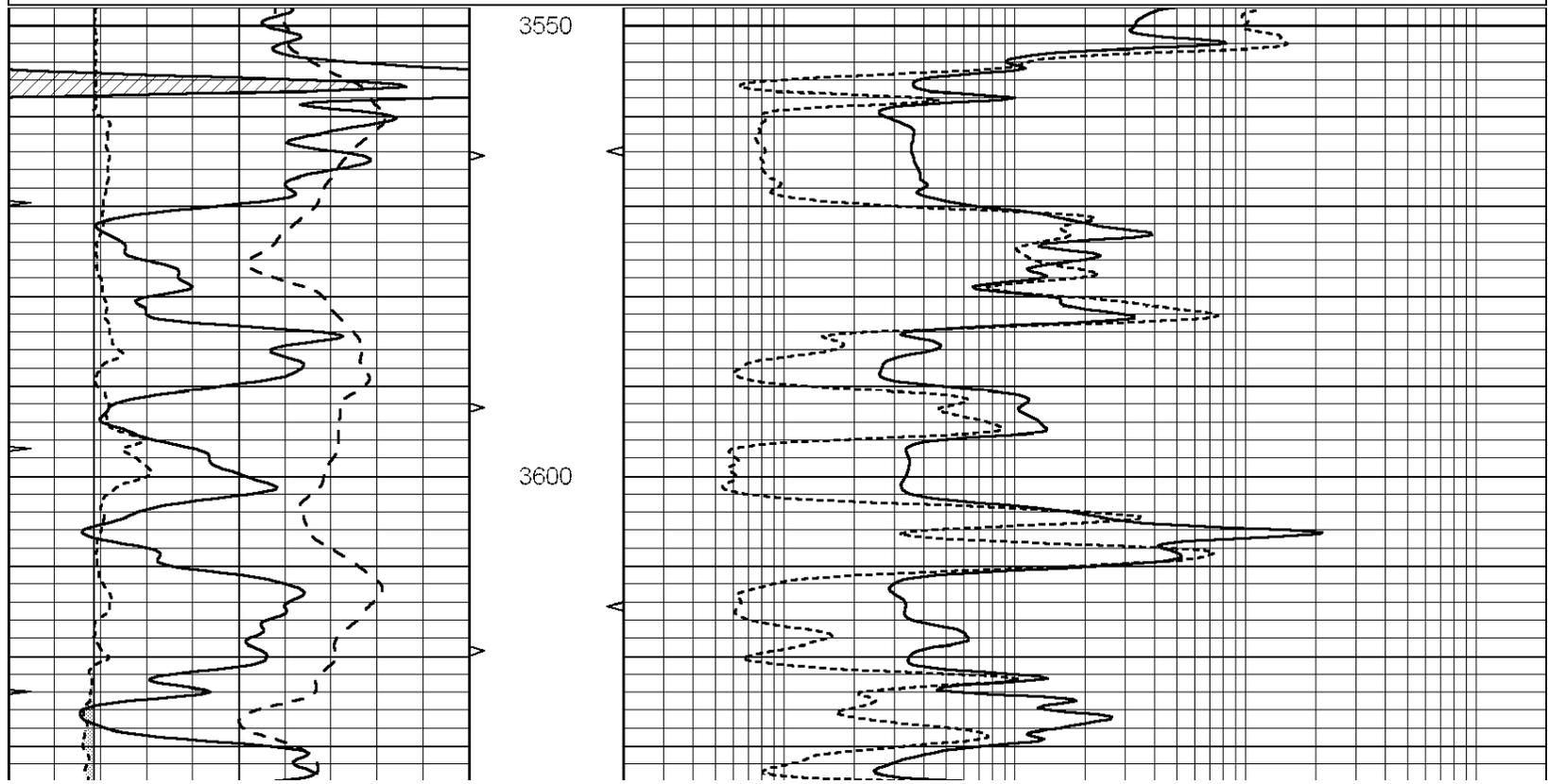


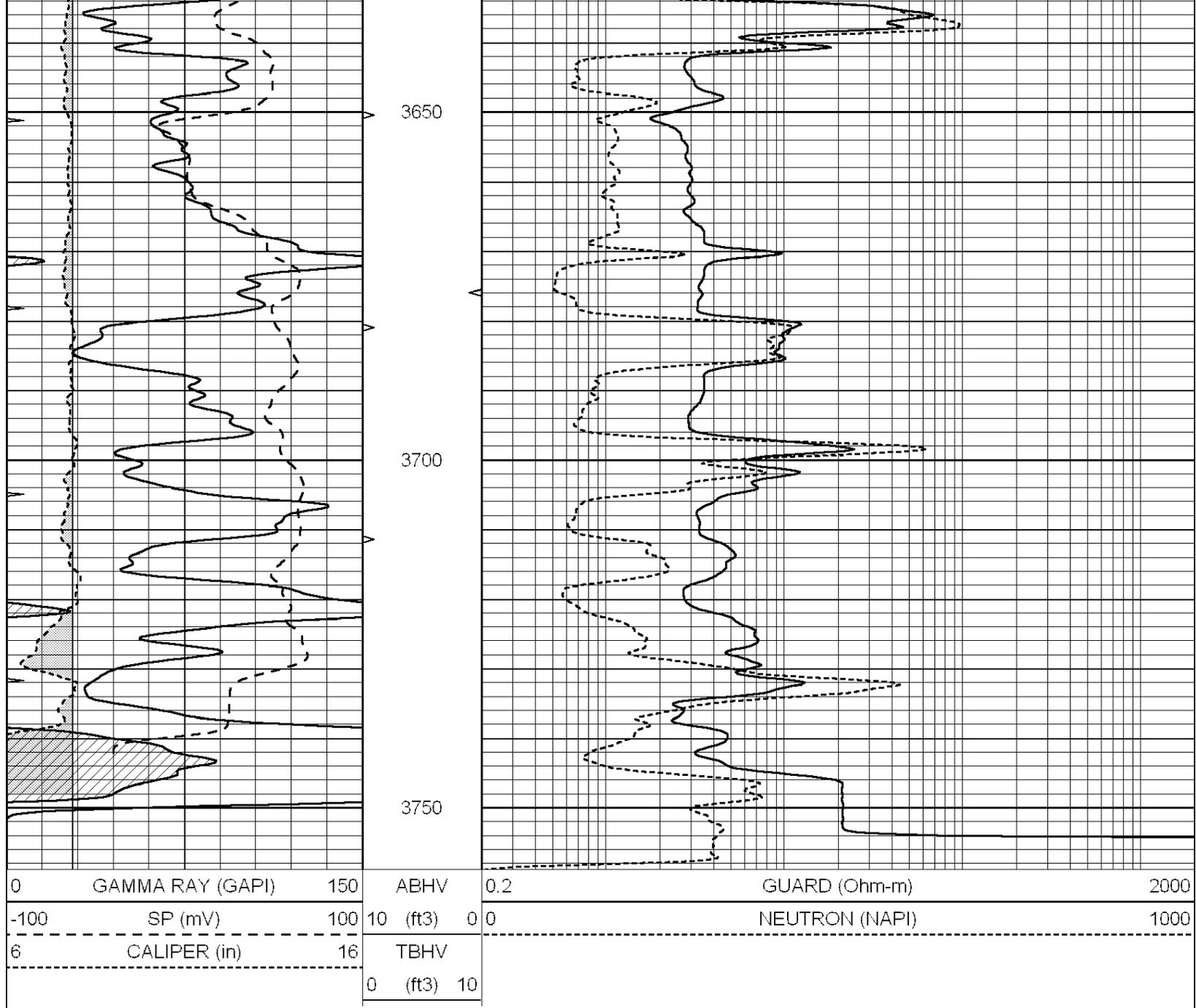
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REPEAT SECTION

Database File: 006912rag.db
 Dataset Pathname: pass3.1A
 Presentation Format: rag
 Dataset Creation: Wed May 04 06:29:17 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			





Calibration Report

Database File: 006912rag.db
 Dataset Pathname: pass4.A
 Dataset Creation: Wed May 04 07:01:52 2011

Neutron Calibration Report

Serial Number: RAG1
 Tool Model: RAG
 Performed: Wed May 04 05:40:17 2011

Calibrator Values: 0 1 NAPI
 Calibrator Readings: 0 1 cps

Sensitivity: 1.3 NAPI/cps

Micro Spherically Focused Log Calibration Report

Serial-Model: RAG1-A
 Performed: Wed May 04 06:21:54 2011

	Readings			References			Results	
	Low	High		Low	High		m	b
Conductivity	0.0110	0.9000	V	10.0000	1000.0000	mmho	1800.0000	-7.5000
Caliper	0.1837	0.3151	V	8.0000	16.0000	in	60.9046	-3.1888

Gamma Ray Calibration Report

Serial Number:	RAG1	
Tool Model:	RAG	
Performed:	Wed May 04 05:39:48 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.9	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.8000	GAPI/cps