



SUPERIOR
Hays,
Kansas

**COMPENSATED
DENSITY
NEUTRON LOG**

Company	SHELBY RESOURCES, LLC		
Well	CLARK # 1-24		
Field	SANFORD		
County	BARTON		
State	KANSAS		
Location:	API # : 15-009-25371		Other Services
2210' FSL & 600' FWL		DIL	
SEC 24 TWP 17S RGE 14W		SONIC/MEL	
Permanent Datum	GROUND LEVEL	Elevation	1932
Log Measured From	KELLY BUSHING 9' G.L.	K.B. 1941	
Drilling Measured From	KELLY BUSHING	D.F.	
		G.L. 1932	

Date	1-24-10		
Run Number	ONE		
Depth Driller	3530		
Depth Logger	3530		
Bottom Logged Interval	3506		
Top Log Interval	2800		
Casing Driller	900		
Casing Logger	NA		
Bit Size	7.875		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.1 / 81		
pH / Fluid Loss	11.0 / 7.8		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	0.60 @ 68F		
Rinf @ Meas. Temp	0.45 @ 68F		
Rmc @ Meas. Temp	0.72 @ 68F		
Source of Rinf / Rmc	MEASURED		
Rim @ BHT	.370 @ 110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	5:00 A.M.		
Maximum Recorded Temperature	110F		
Equipment Number	860		
Location	HAYS, KS.		
Recorded By	RUPP		
Witnessed By	DEREK PATTERSON		

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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: HOISINGTON W TO 120TH, 2W, 1 /12N, E INTO.

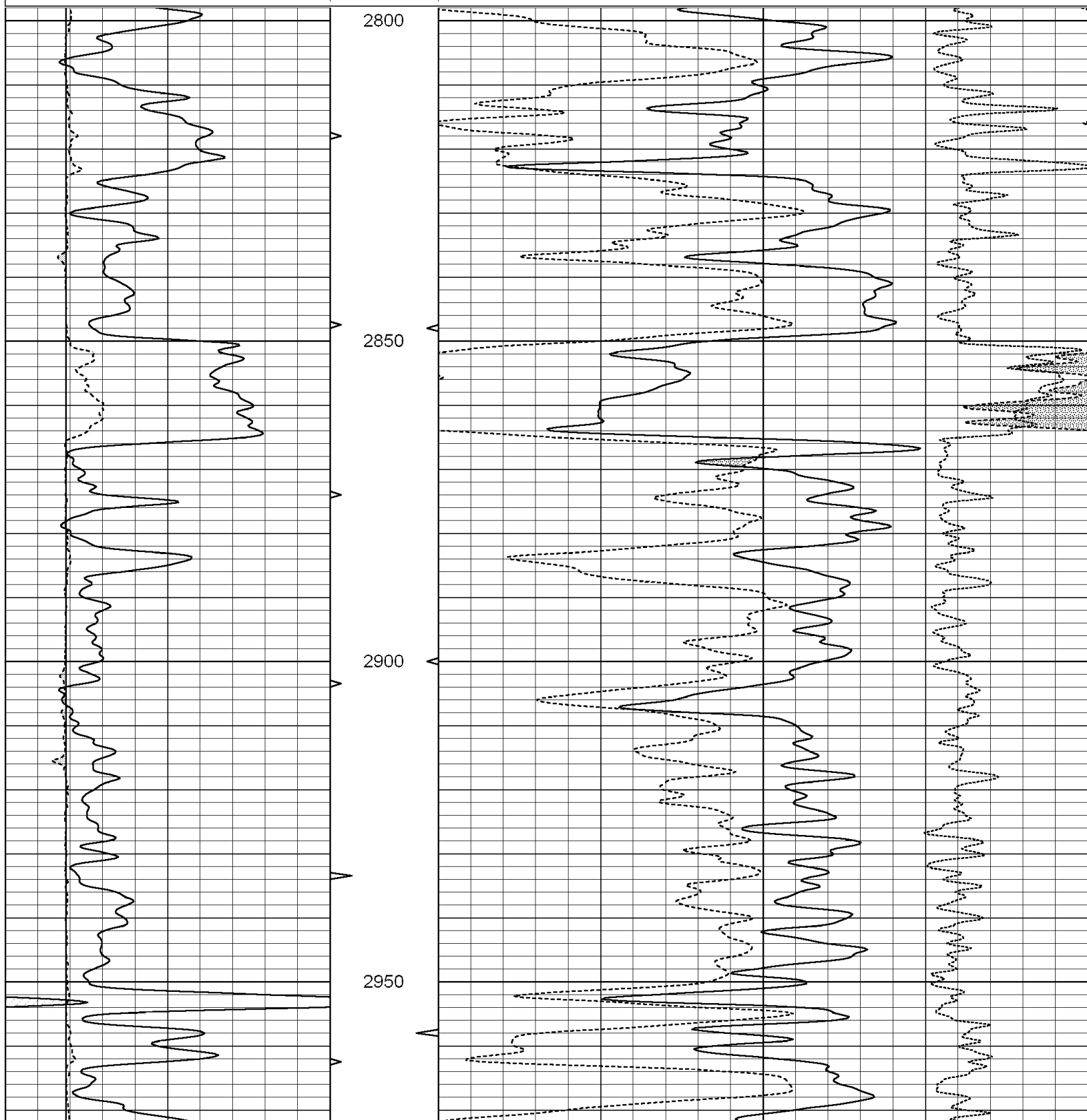


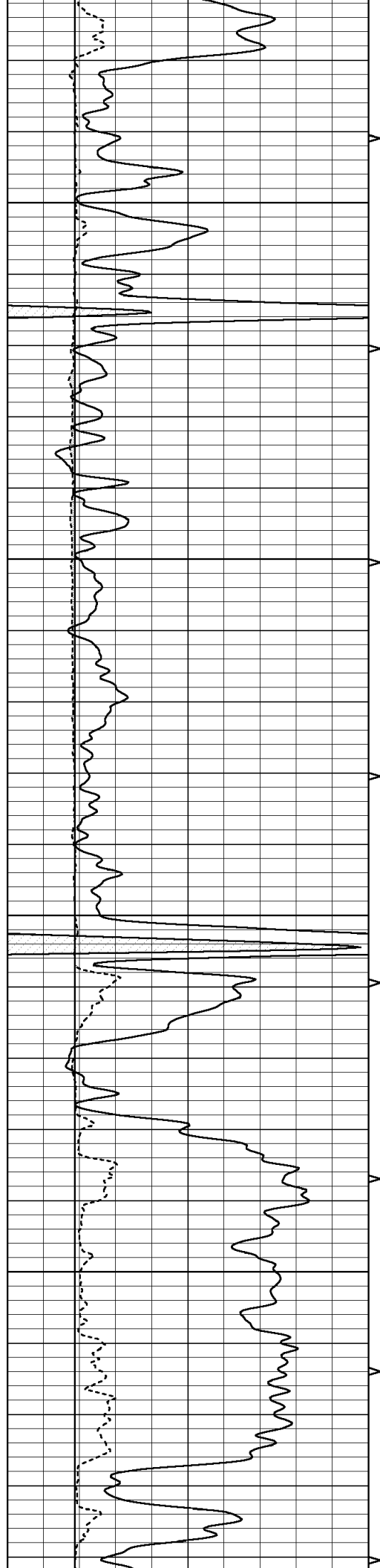
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MAIN SECTION

Database File: 004789ddn.db
Dataset Pathname: pass3.1
Presentation Format: den_neu
Dataset Creation: Sun Jan 24 06:52:55 2010 by Calc Open-Cased 090629
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
			TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			



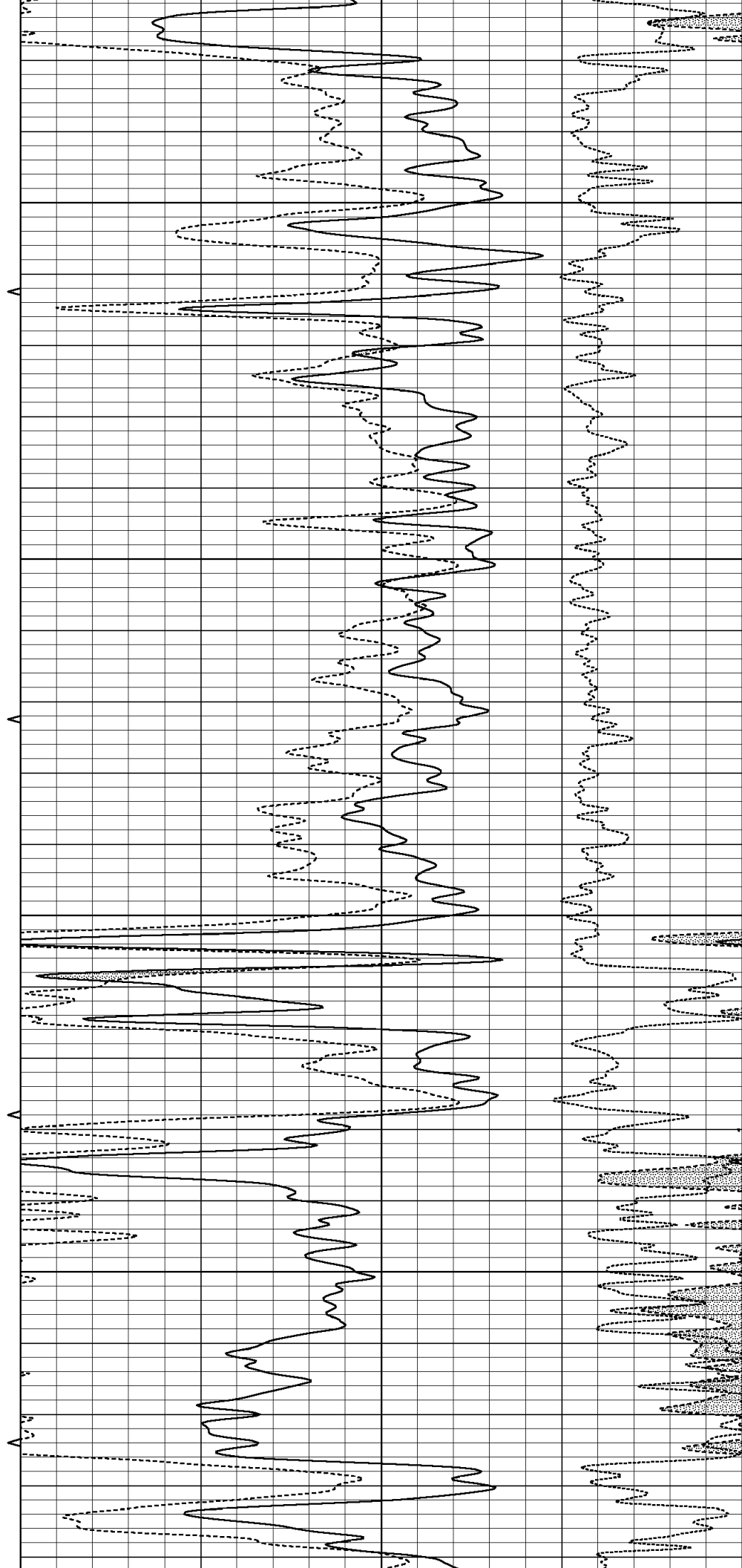


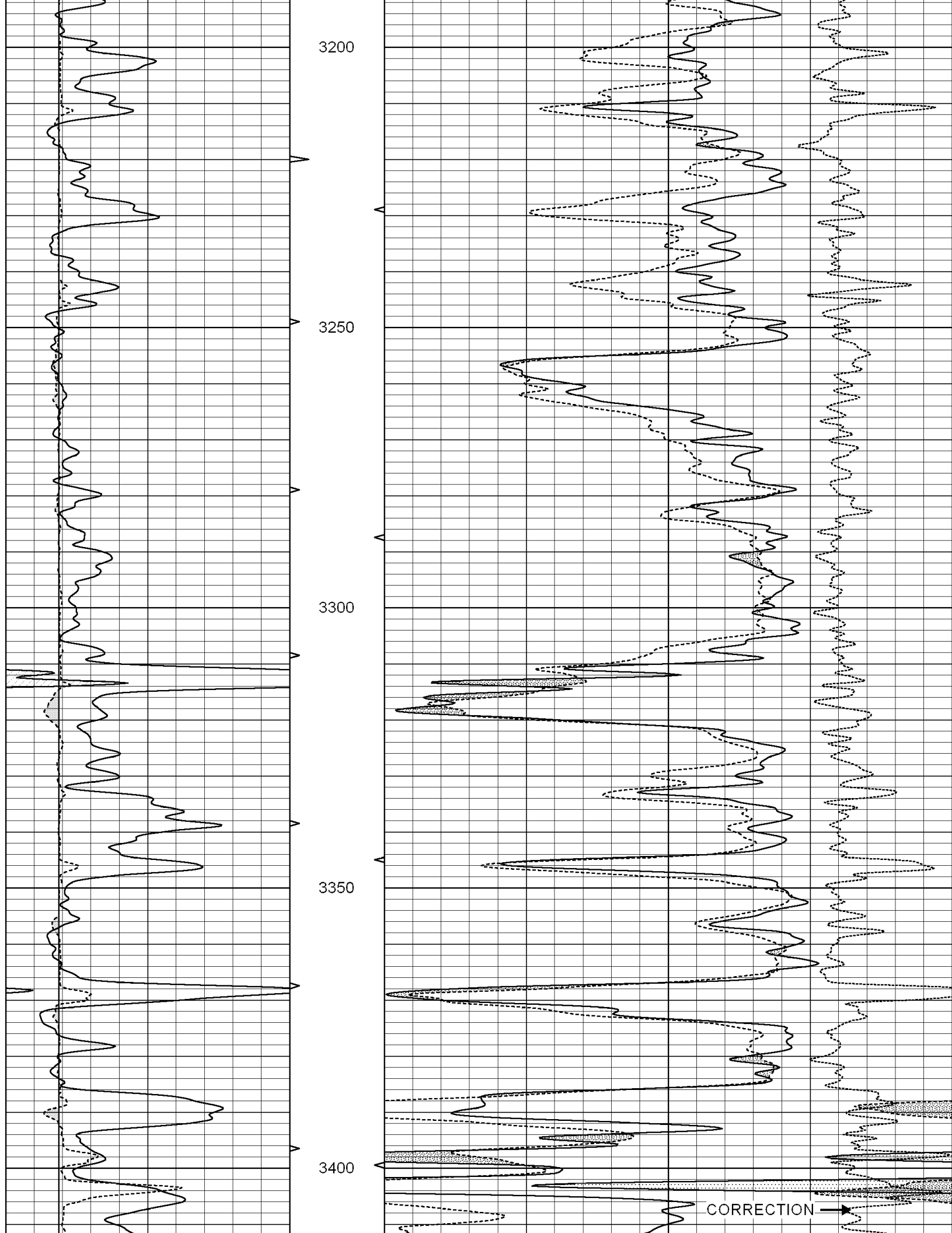
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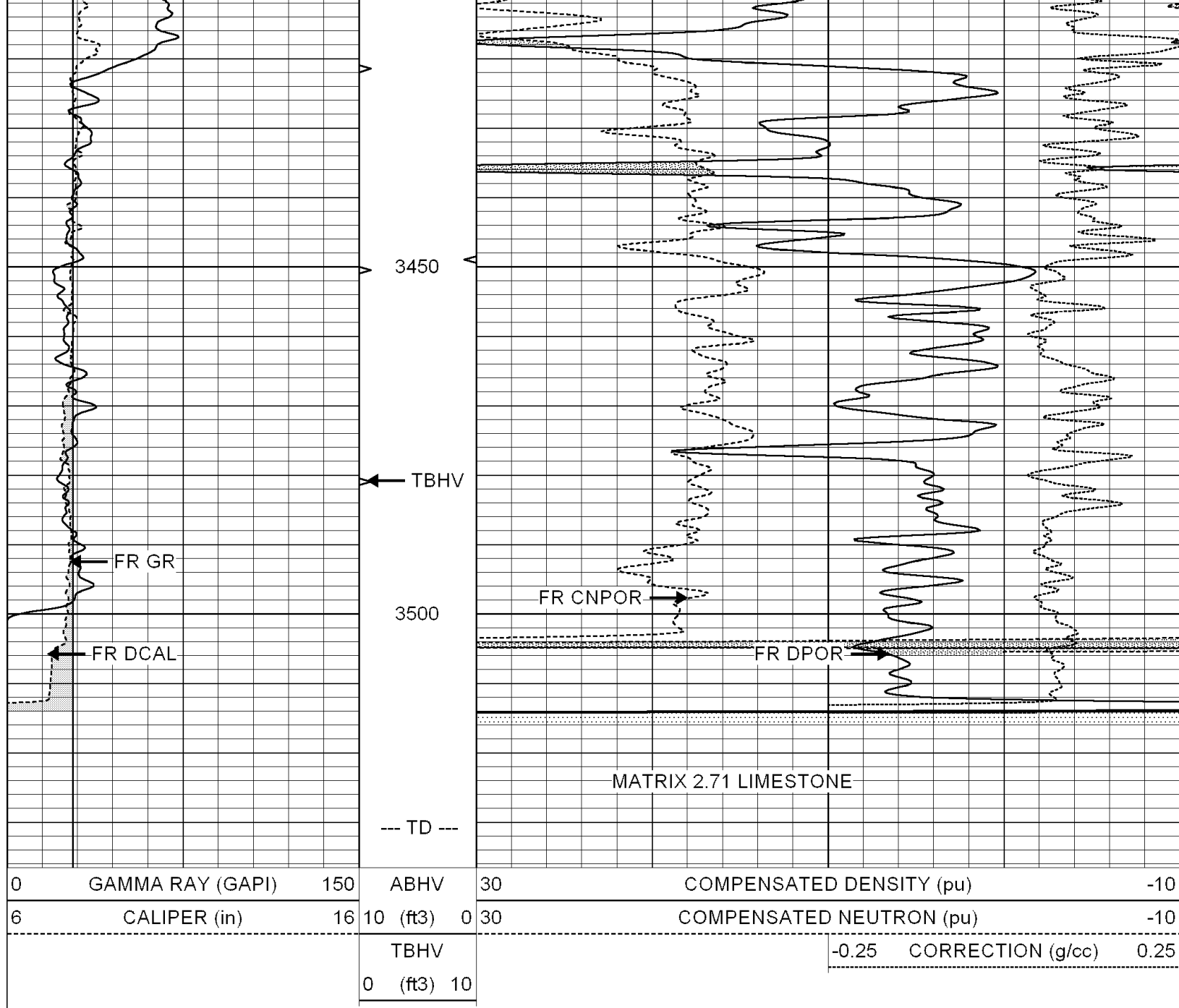
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3100

3150





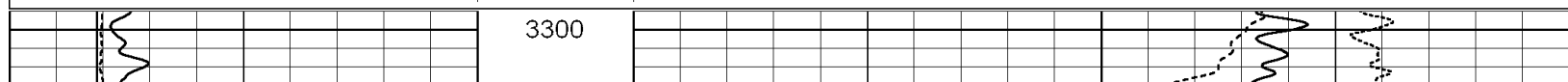


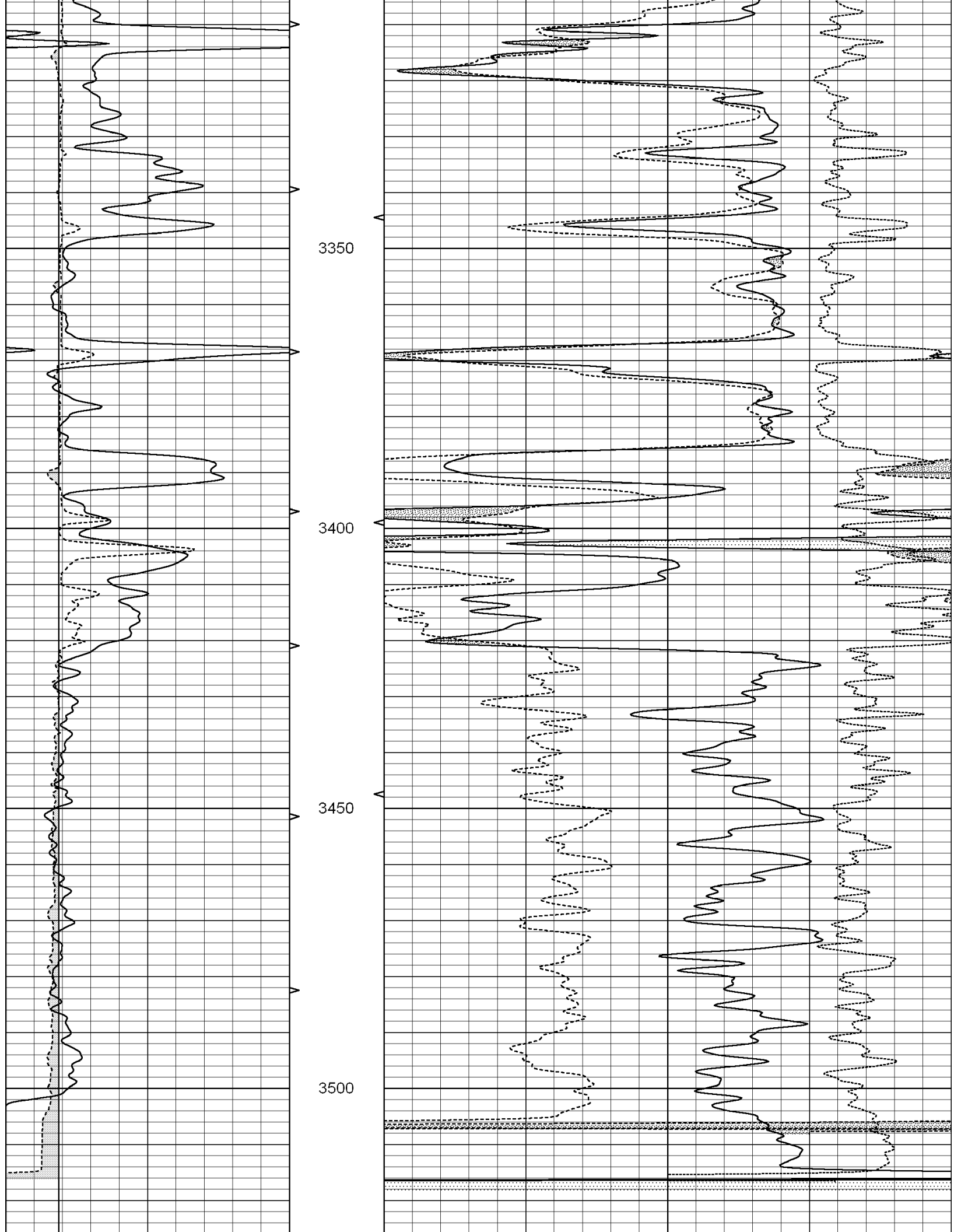
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REPEAT SECTION

Database File: 004789ddn.db
 Dataset Pathname: pass2.A
 Presentation Format: den_neu
 Dataset Creation: Sun Jan 24 06:25:35 2010 by Calc Open-Cased 090629
 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
			TBHV	-0.25 CORRECTION (g/cc) 0.25		
			0 (ft3) 10			





Calibration Report									
Database File:		004789ddn.db							
Dataset Pathname:		pass3.1							
Dataset Creation:		Sun Jan 24 06:52:55 2010 by Calc Open-Cased 090629							
Dual Induction Calibration Report									
Serial-Model: Performed:				DIL5-GEAR Sun Jan 24 06:18:20 2010					
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.004	0.654	V	0.000	400.000	mmho/m	560.000	-5.000	
Medium	-0.005	0.737	V	0.000	462.500	mmho/m	540.000	-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: Source / Verifier: Master Calibration Performed:				GEAR1-GEARHART 147 / 147 Sun Jan 24 05:53:15 2010					
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	7.90	in		3.68	V				
Large Ring	14.00	in		6.06	V				
Compensated Neutron Calibration Report									
Serial Number: Tool Model:				NEU_11 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:	Fri Jan 22 15:30:42 2010

Calibrator Value:	1.0	GAPI
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Background Reading:	0.0	cps
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Calibrator Reading:	1.0	cps
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Sensitivity:	0.6000	GAPI/cps
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