



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
LOG**

Company	SHELBY RESOURCES LLC	Company	SHELBY RESOURCES LLC
Well	C-S UNIT #1	Well	C-S UNIT #1
Field	WILDCAT	Field	WILDCAT
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	API # : 15-009-25764-00-00 167' FSL & 1602' FEL SE SE SW SE	Other Services DIL MEL/SON	
Permanent Datum	GROUND LEVEL	Elevation	1949
Log Measured From	KELLY BUSHING 9' A.G.L.	K.B. 1958 D.F. 1956 G.L. 1949	
Drilling Measured From	KELLY BUSHING		
Date	10/28/2012		
Run Number	ONE		
Depth Driller	3550		
Depth Logger	3548		
Bottom Logged Interval	3524		
Top Log Interval	1700		
Casing Driller	8 5/8"@923'		
Casing Logger	921		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,900 PPM	
Density / Viscosity	9.1/65		
pH / Fluid Loss	11.0/7.2		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.65@80F		
Rmf @ Meas. Temp	.513@80F		
Rmc @ Meas. Temp	.78@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.46@113F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:15 PM		
Maximum Recorded Temperature	113F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	MIKE GARRISON		
Witnessed By	JEREMY SCHWARTZ	JEFF LAWLER	

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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

THANK YOU FOR USING NABORS COMPLETION & PRODUCTION SERVICE CO HAYS, KANSAS (785) 62
DIRECTIONS
RUSSELL SOUTH TO HWY 4, EAST TO NW 20, 1 NORTH, 1/2 WEST, NORTH INTO



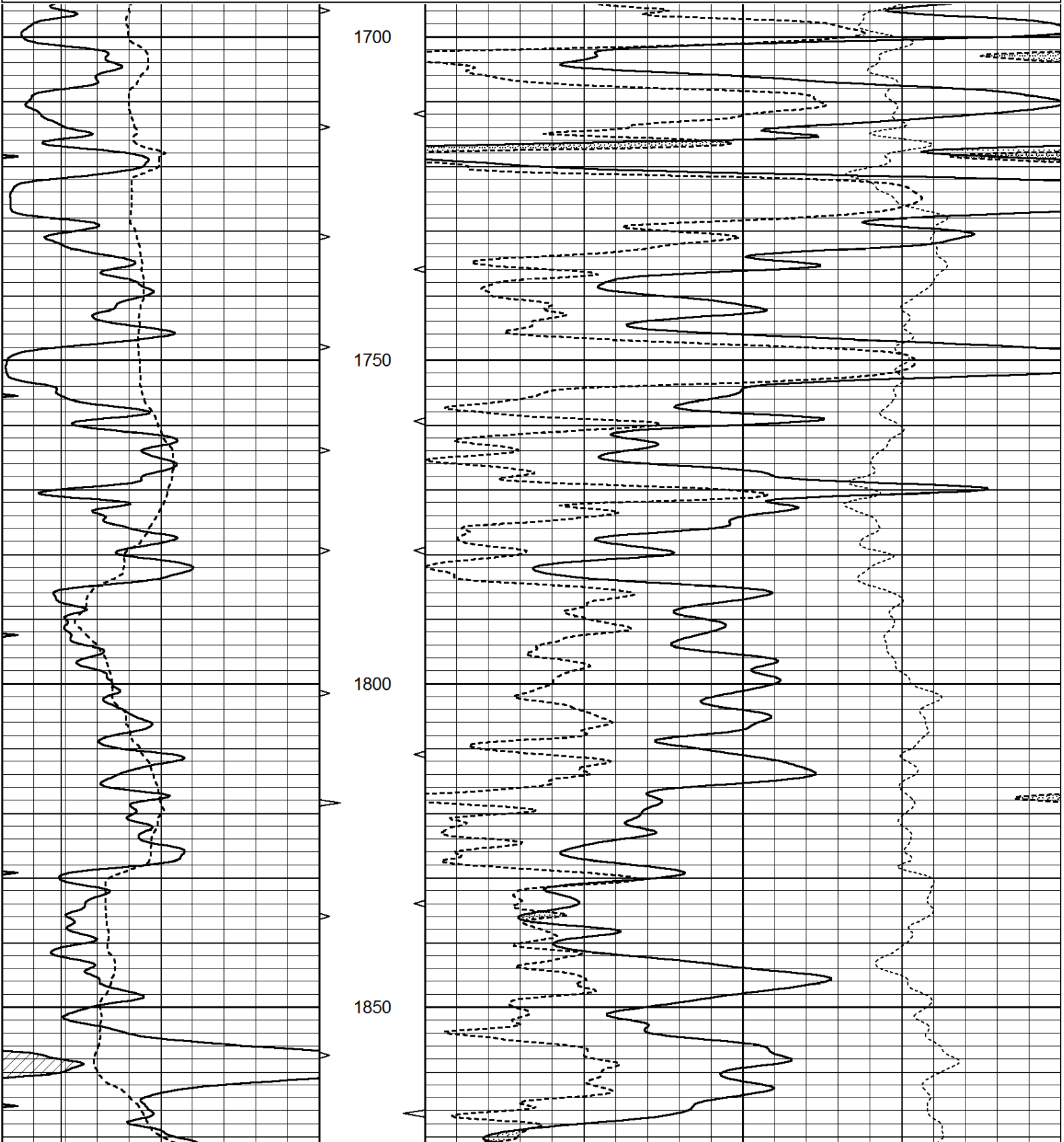
NABORS

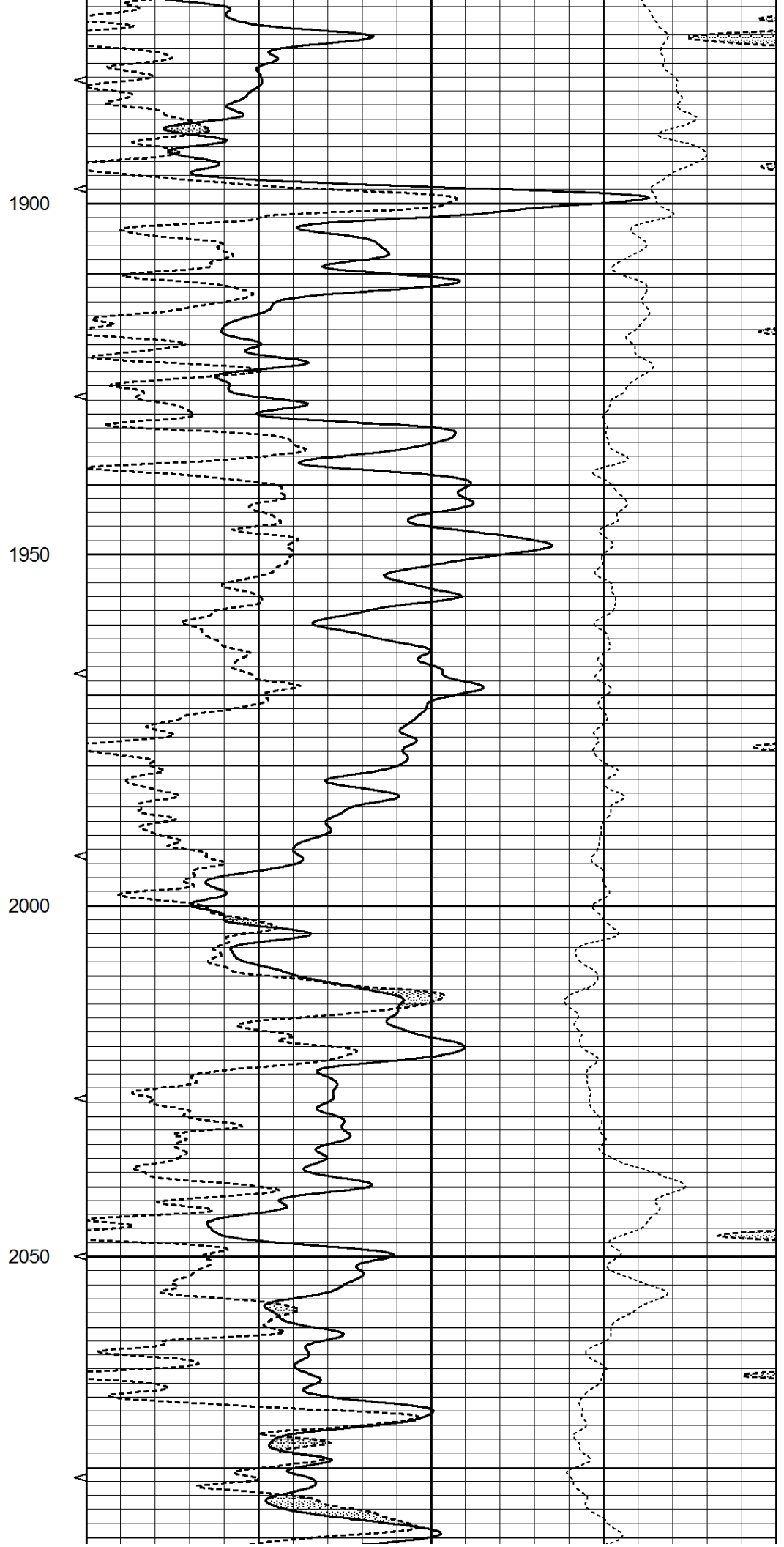
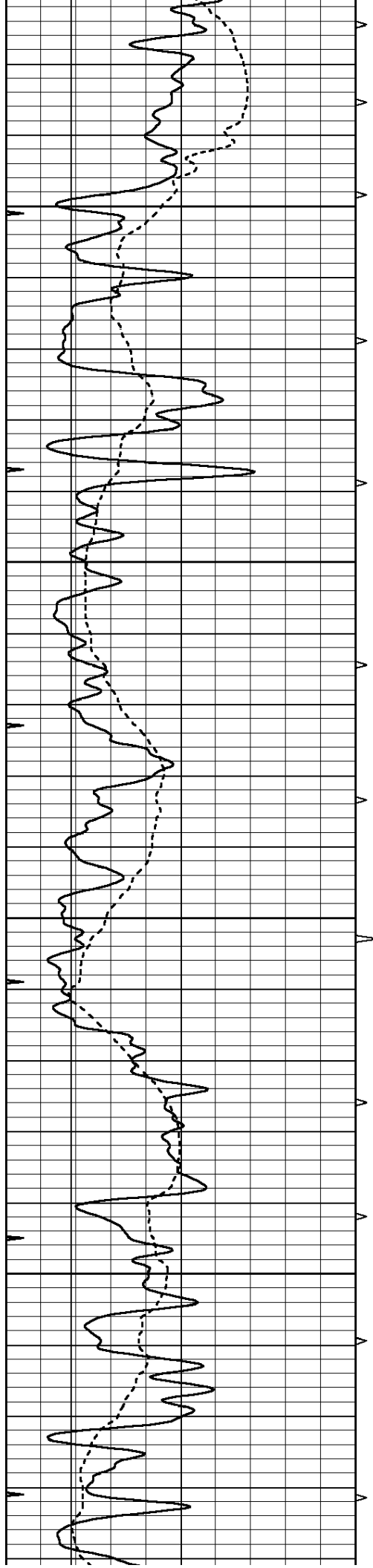
**COMPLETION
& PRODUCTION**

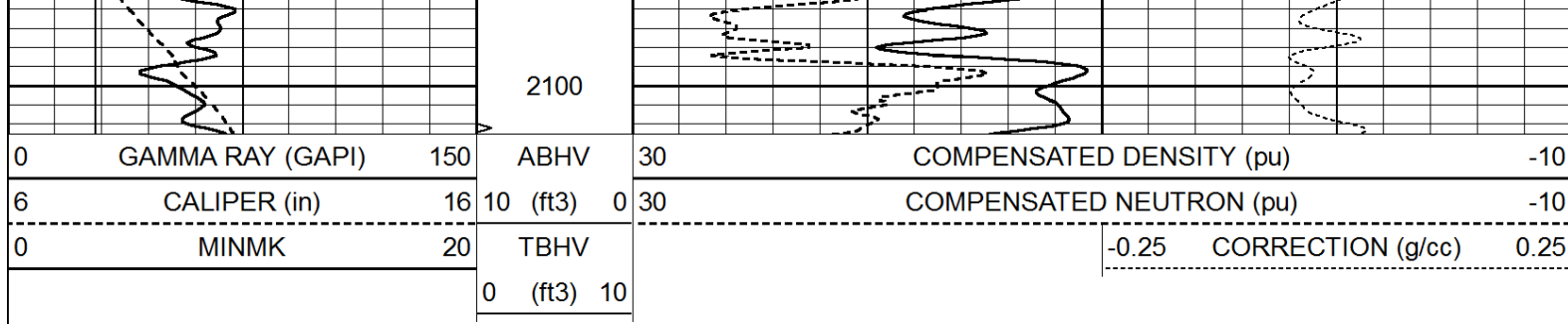
MAIN SECTION

Database File: 40-009778cnlcdl.db
Dataset Pathname: pass3.1
Presentation Format: den_neu
Dataset Creation: Sun Oct 28 20:32:26 2012 by Calc Open-Cased 110302
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
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3)	10		

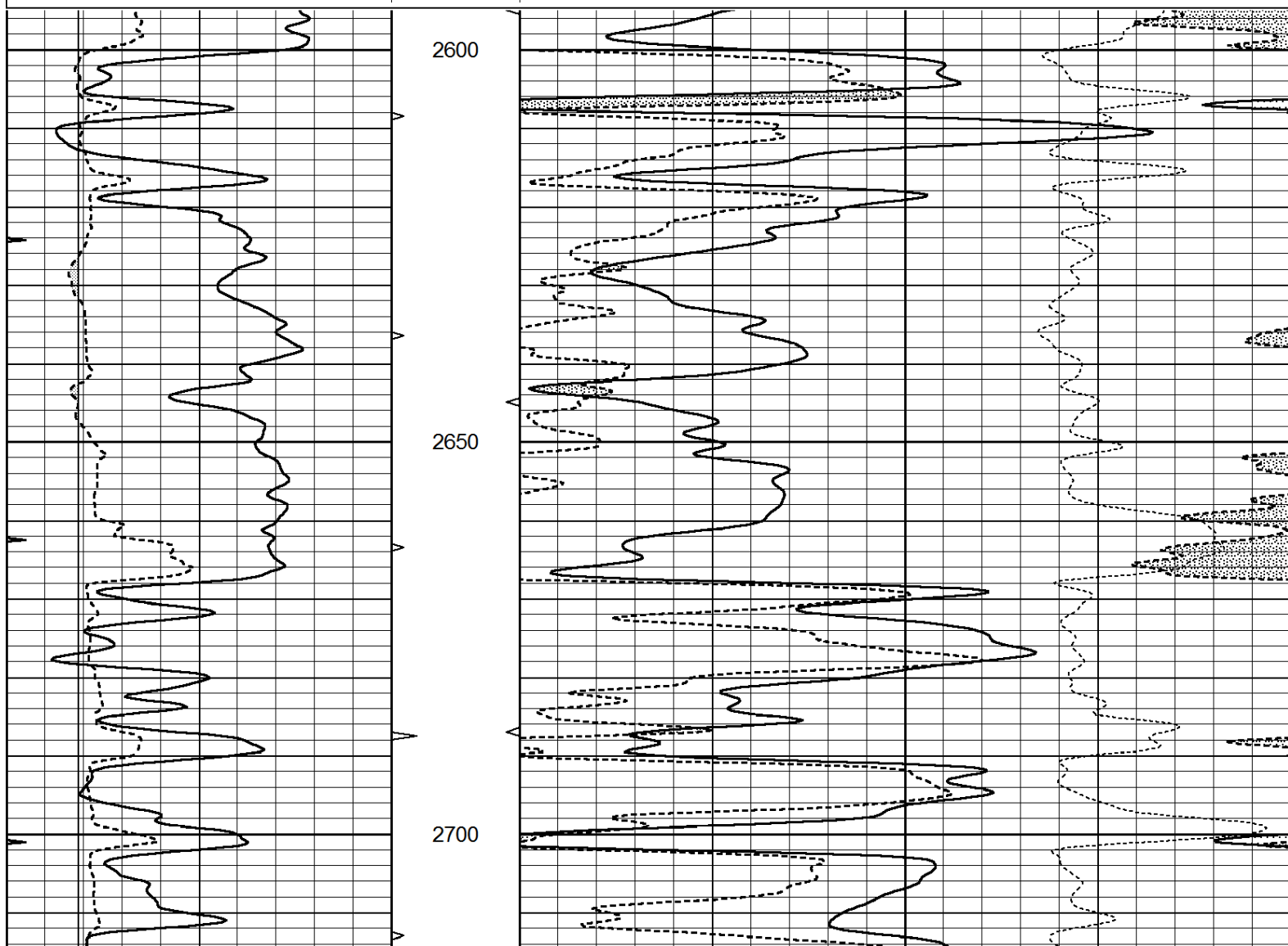
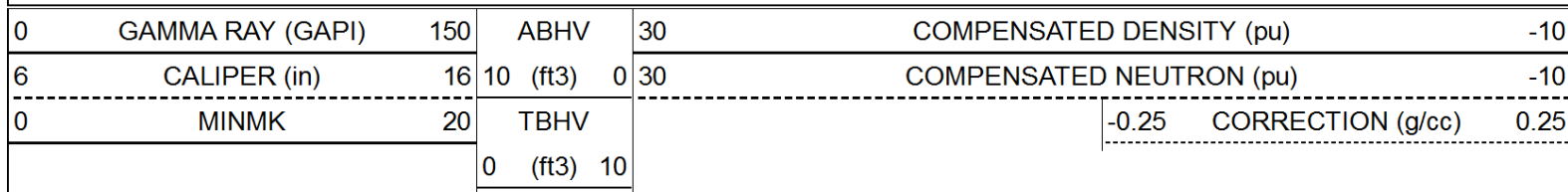


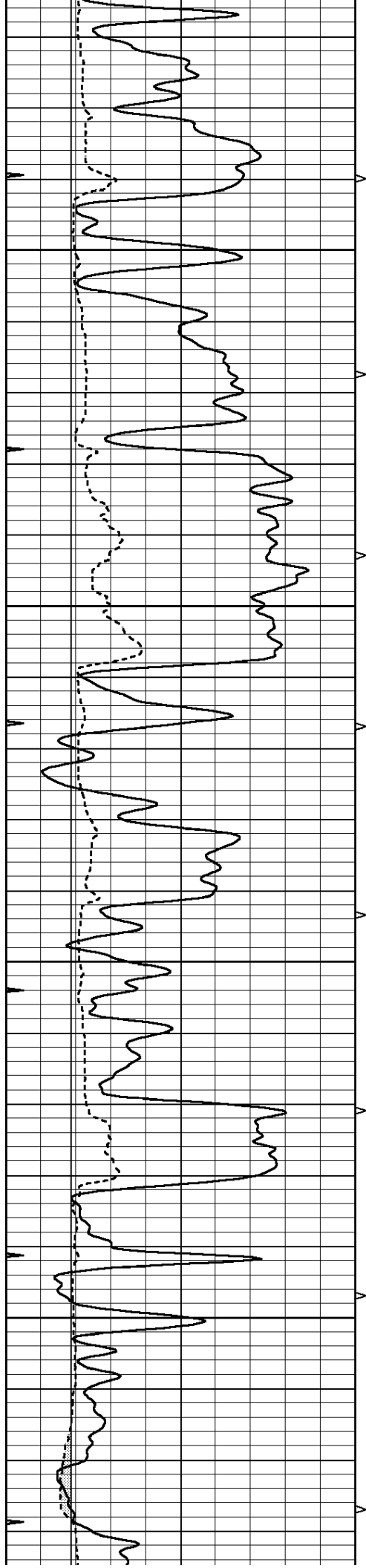




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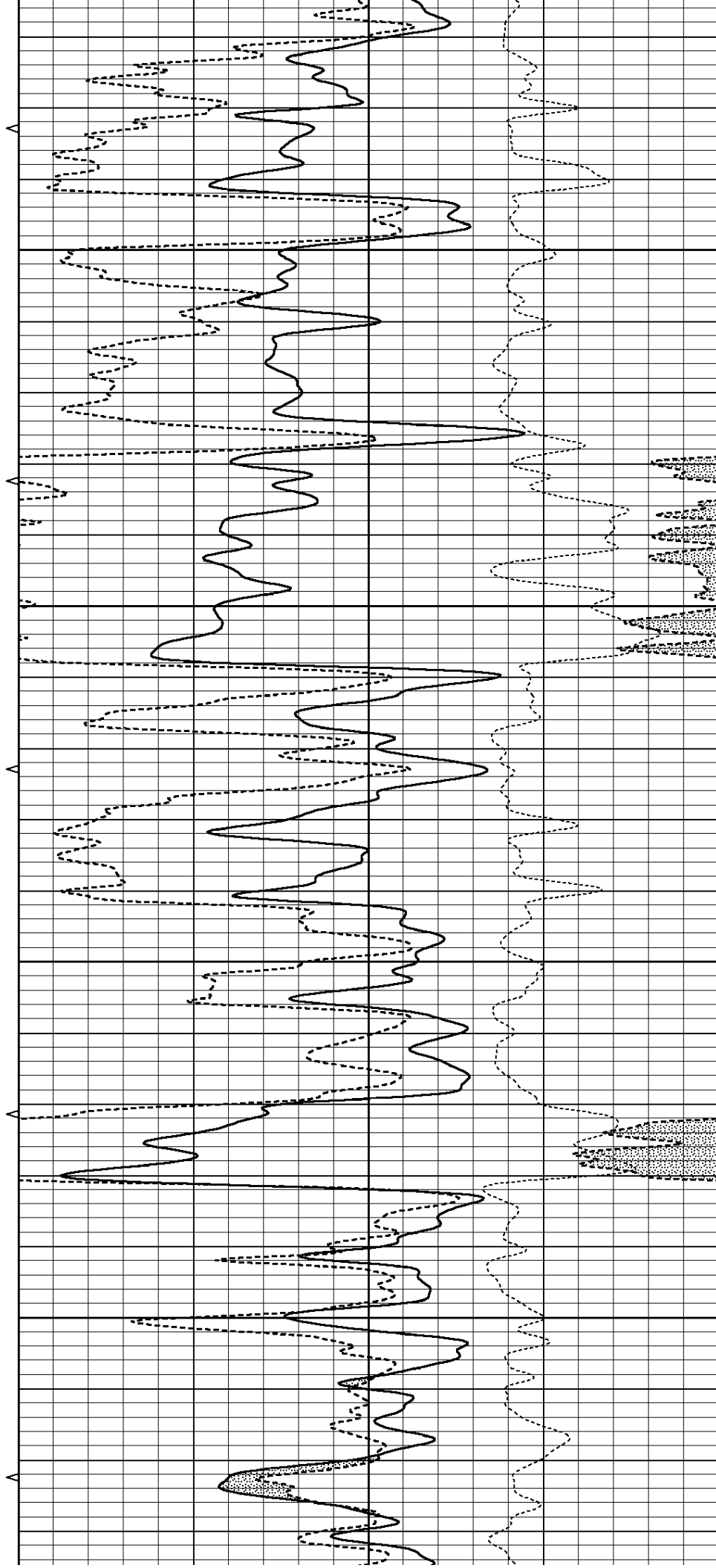


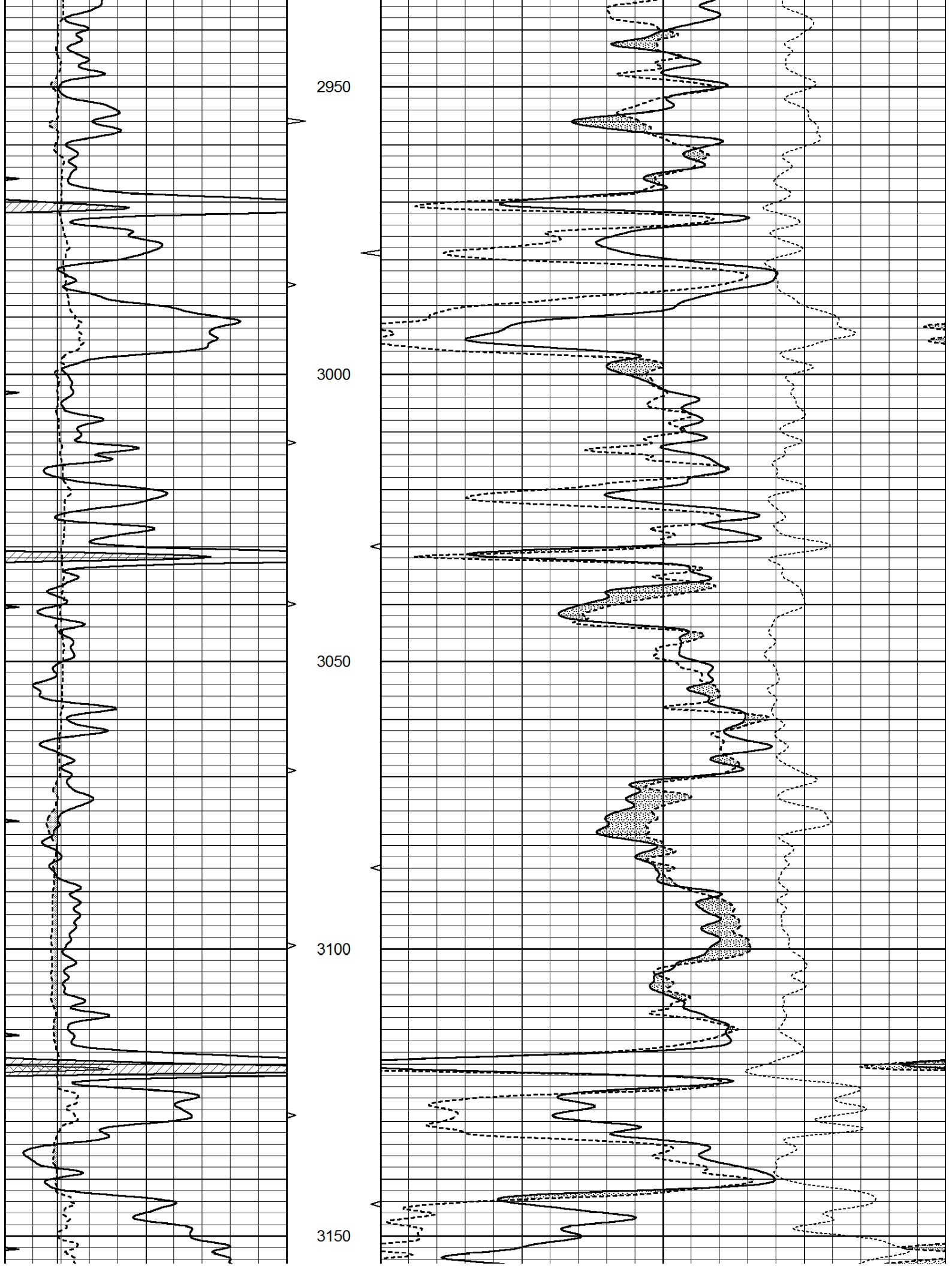
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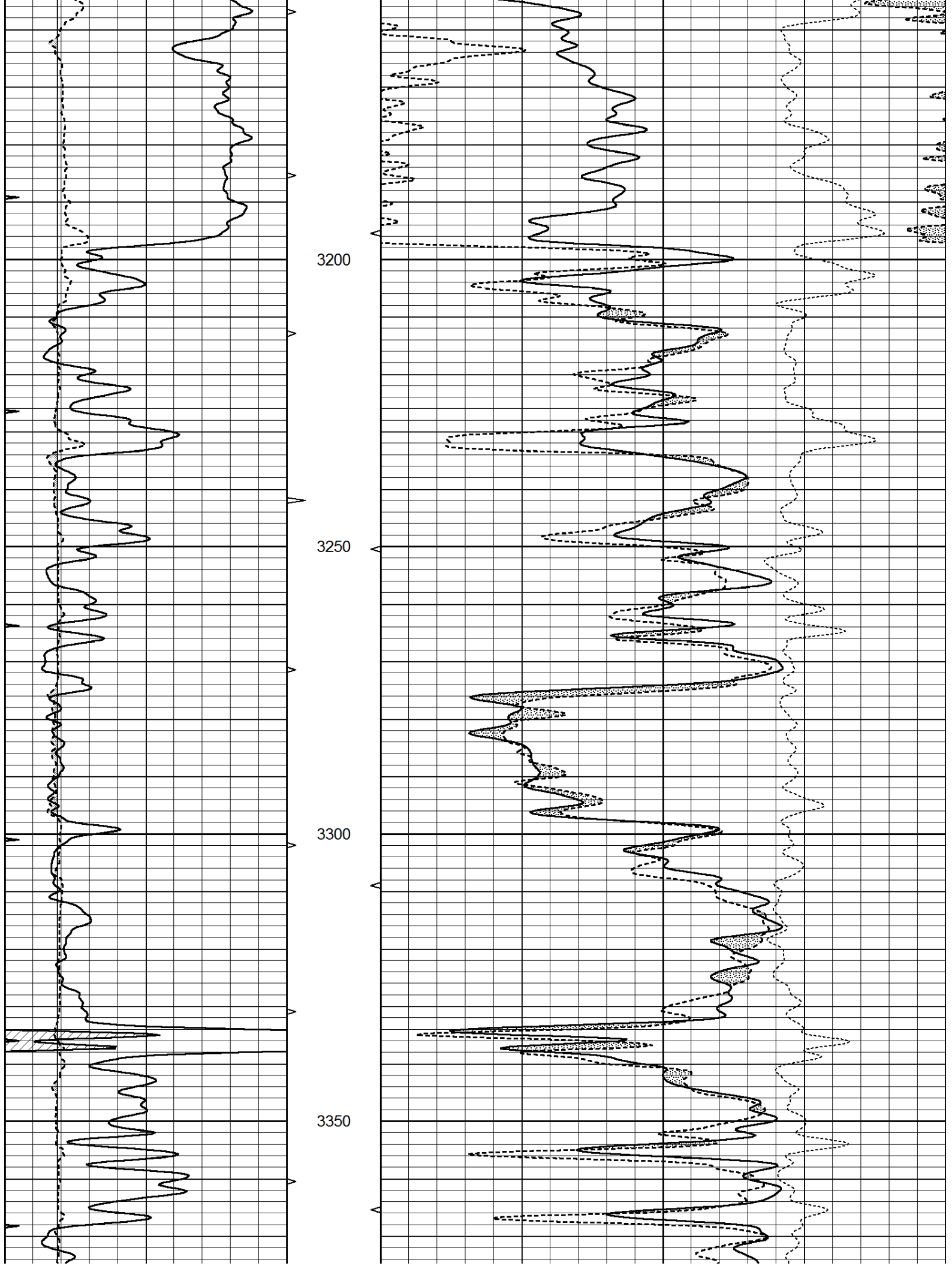
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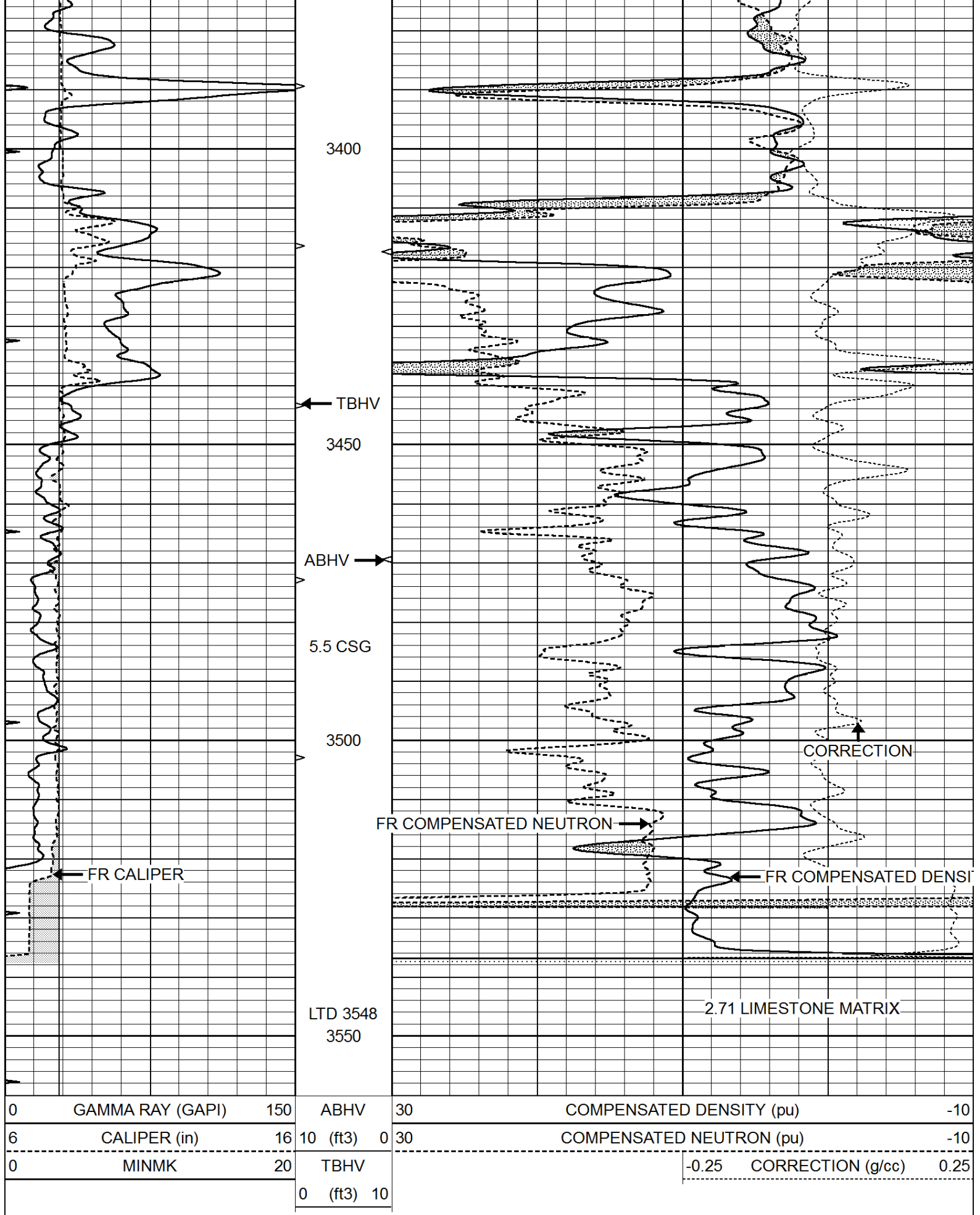
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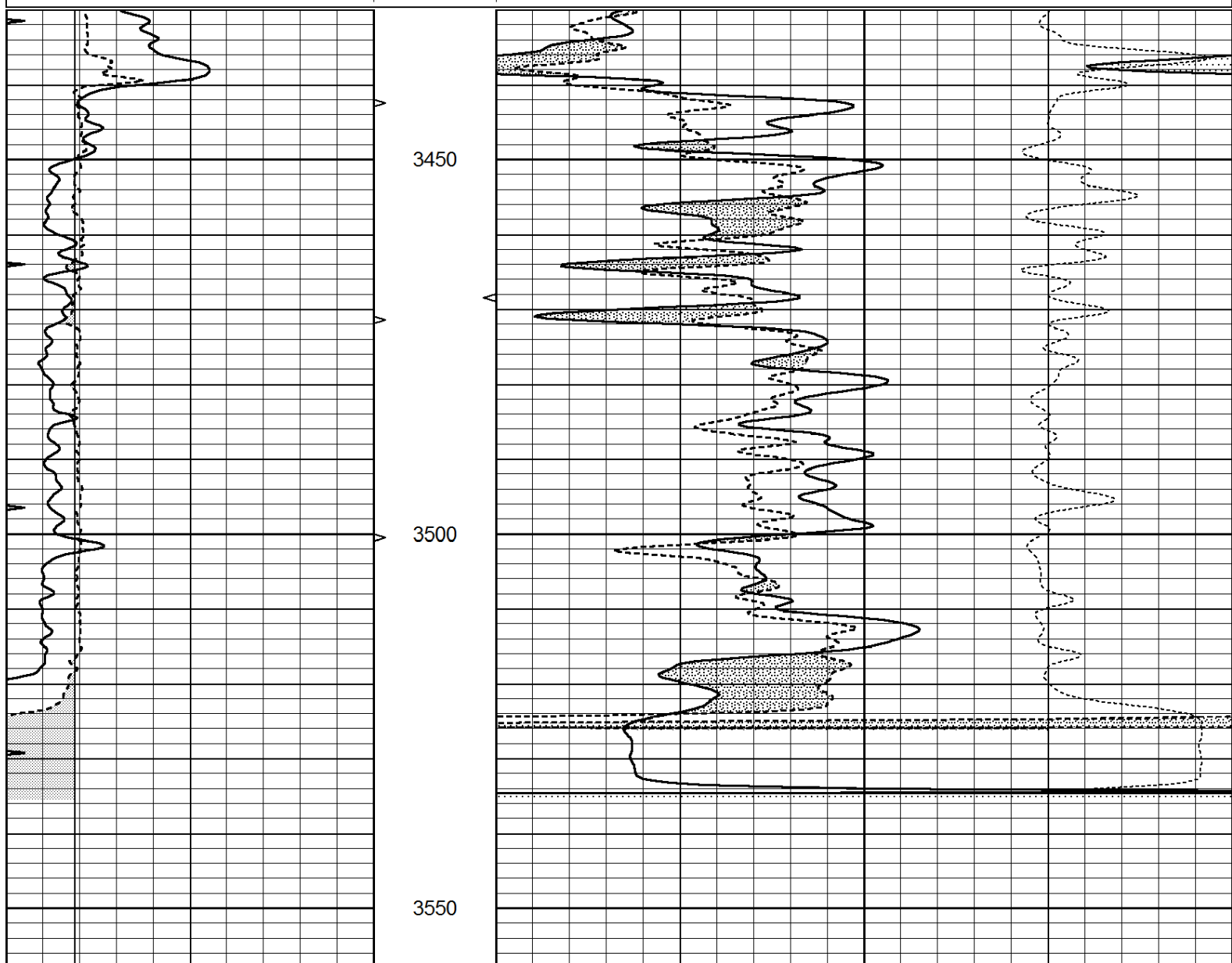






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Dataset Pathname: pass2.1
Presentation Format: den_neu
Dataset Creation: Sun Oct 28 19:33:11 2012 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			



0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV		-0.25 CORRECTION (g/cc)	0.25
			0 (ft3) 10			

Calibration Report

Database File: 40-009778cnlcdl.db
Dataset Pathname: pass3.1
Dataset Creation: Sun Oct 28 20:32:26 2012 by Calc Open-Cased 110302

Dual Induction Calibration Report								
Serial-Model: Performed:			DIL3-GEAR Wed Oct 24 10:22:26 2012					
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.011	0.656	V	0.000	400.000	mmho/m	640.000	9.000
Medium	0.013	0.740	V	0.000	462.500	mmho/m	700.000	-5.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.002	0.645	V	0.000	400.000	mmho/m	622.059	-1.071
Medium	0.007	0.740	V	0.000	462.500	mmho/m	631.393	-4.555
Litho Density Calibration Report Serial: 006 Model: PRB Performed Sun Aug 15 09:48:41 2010								
Litho Density Calibration								
	Background	Magnesium		Aluminum		Sandstone		
Window 1	1686.6	11612.8		3932.0		12718.8		cps
Window 2	1531.4	9204.7		3267.8		9851.9		cps
Window 3	1198.3	4733.6		1952.5		4920.6		cps
Window 4	317.3	321.2		325.9		303.6		cps
Long Space	0.0	7673.3		1736.4		8320.4		cps
Short Space	1.7	2548.5		1657.2		2628.8		cps
Rho		1.7100		2.5900		1.3800		g/cc
Pe				2.5700		1.5500		
Rib Angle	: 43.8	Rib Slope	: 0.961	Density/Spine Ratio		: 0.569		
Spine Angle	: 73.8	Spine Slope	: 3.453	Spine Intercept		: -18.1		
Caliper								
Low Ref	Readings	Reference						
High Ref	3.5	6.7						
	5.5	15.0						
	Gain: 4.3			Offset: -8.6				
Compensated Neutron Calibration Report								
Serial Number:			070808					
Tool Model:			Probe					
PRE-SURVEY VERIFICATION								
Detector	Readings	Measured	Target					
Short Space	cps							
Long Space	cps	pu	pu					
POST-SURVEY VERIFICATION								
Detector	Readings	Measured	Target					
Short Space	cps							
Long Space	cps	pu	pu					
Gamma Ray Calibration Report								
Serial Number:			070559					
Tool Model:			OPEN_GR					
Performed:			Wed Sep 19 15:58:00 2012					

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps