



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company I.A. OPERATING, INC.
Well ROGER #10-4
Field WILDCAT
County ELLIS
State KANSAS

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Well ROGER #10-4
Field WILDCAT
County ELLIS State KANSAS

Location: API # : 15-051-25836-0000
900' FSL & 330' FEL
NE - SE - SE
SEC 10 TWP 11S RGE 16W
Permanent Datum GROUND LEVEL Elevation 1899
Log Measured From KELLY BUSHING 5' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
Elevation
K.B. 1904
D.F. 1902
G.L. 1899

Date	10/23/08		
Run Number	TWO		
Depth Driller	3625		
Depth Logger	3624		
Bottom Logged Interval	3600		
Top Log Interval	2700		
Casing Driller	8 5/8"@220'		
Casing Logger	219		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,200 PPM	
Density / Viscosity	9.0/65		
pH / Fluid Loss	10.0/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.00@74F		
Rmf @ Meas. Temp	.750@74F		
Rmc @ Meas. Temp	1.20@74F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.655@113F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	10:45 P.M.		
Maximum Recorded Temperature	113F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	RANDY KILIAN		

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785)628-6395
DIRECTIONS
BLUE HILL SCHOOL, 6N. TO CURVE, 1E., 1/2N., W. INTO

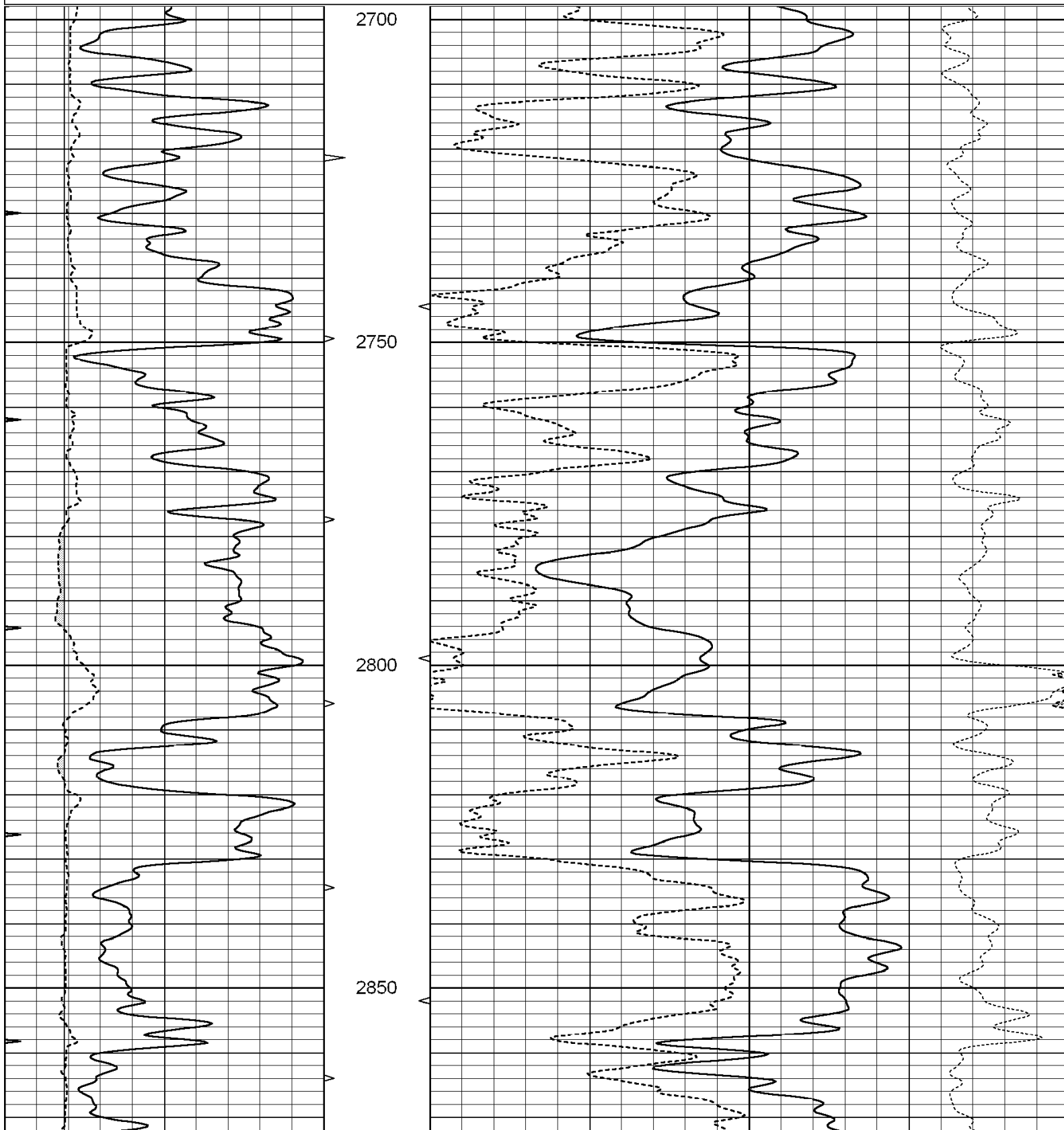


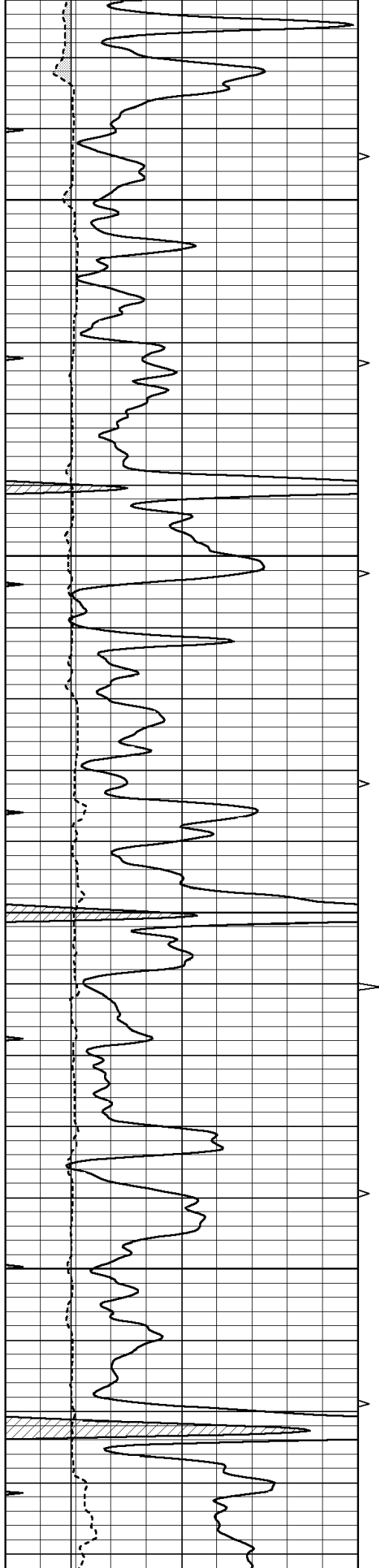
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MAIN SECTION

Database File: 002499ddn.db
Dataset Pathname: pass8.3
Presentation Format: den_neu
Dataset Creation: Fri Oct 24 01:12:50 2008 by Calc Open-Cased 060407
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			



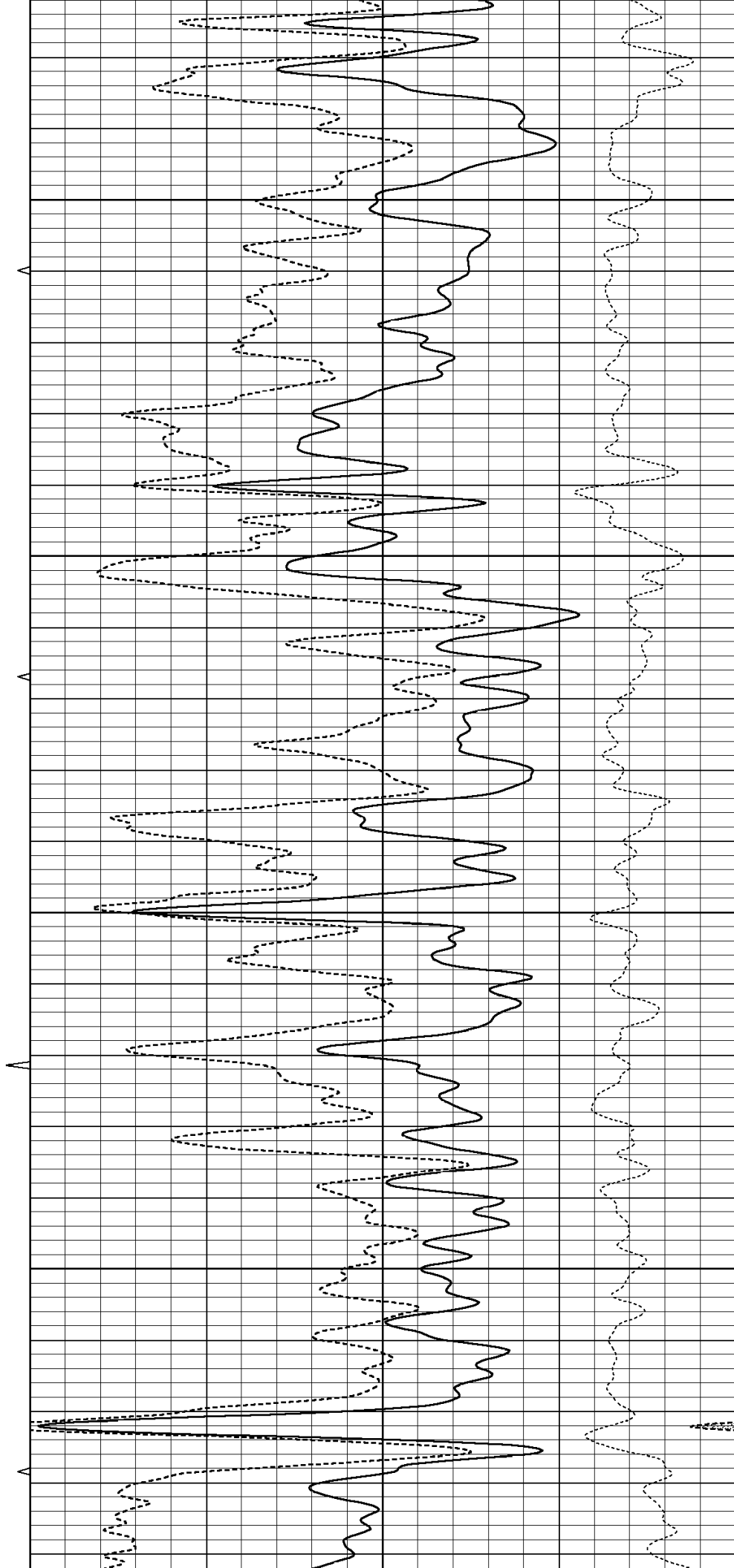


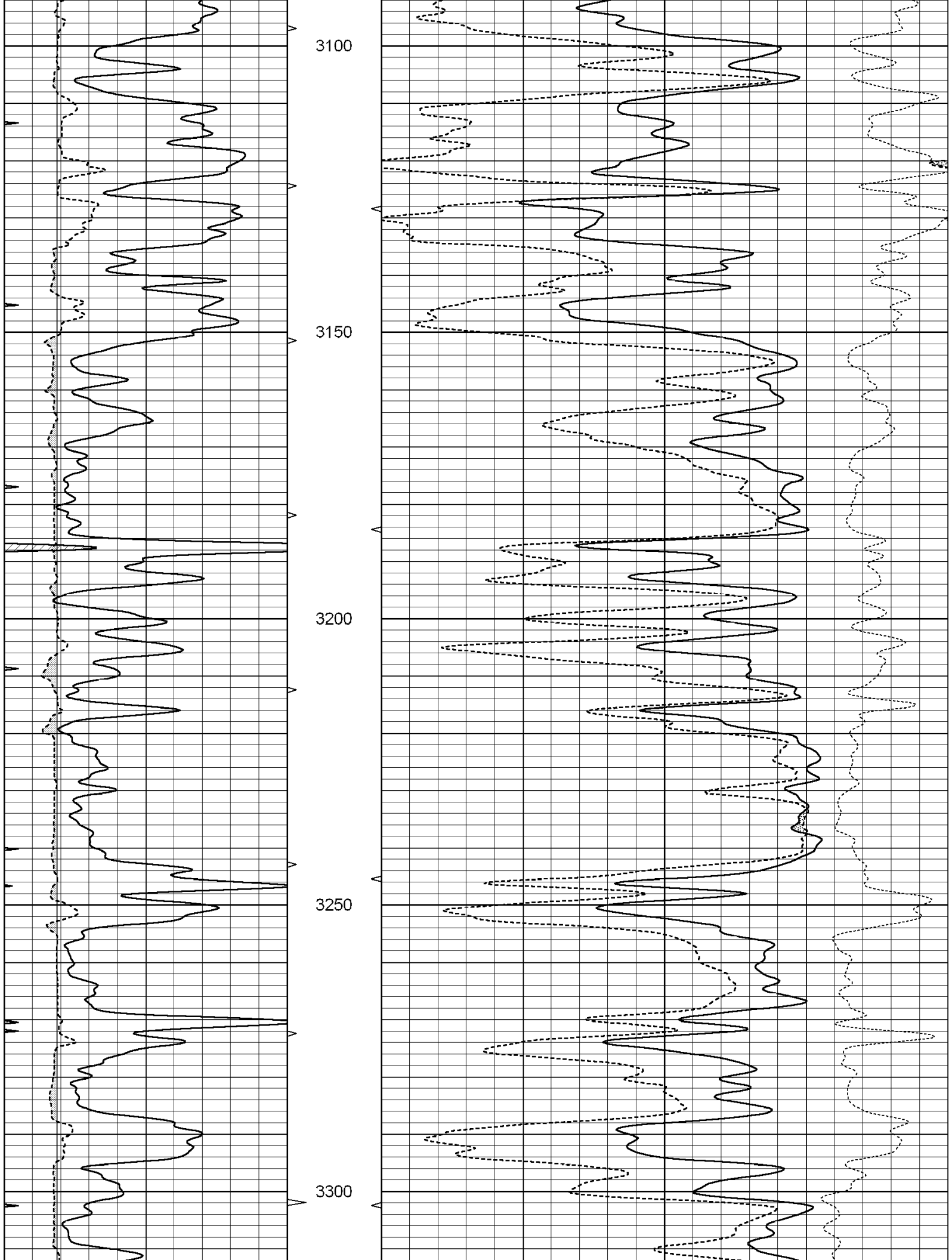
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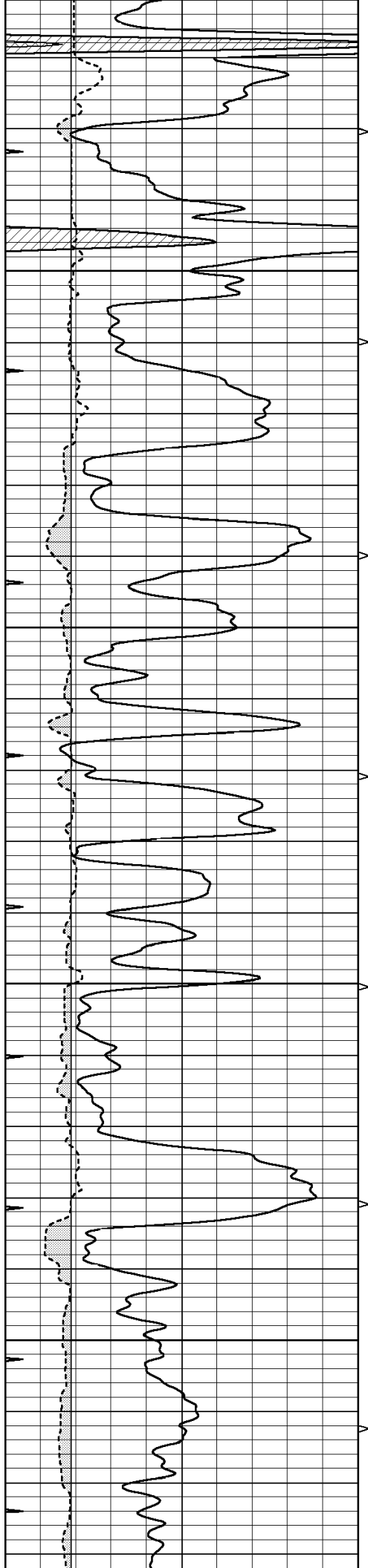
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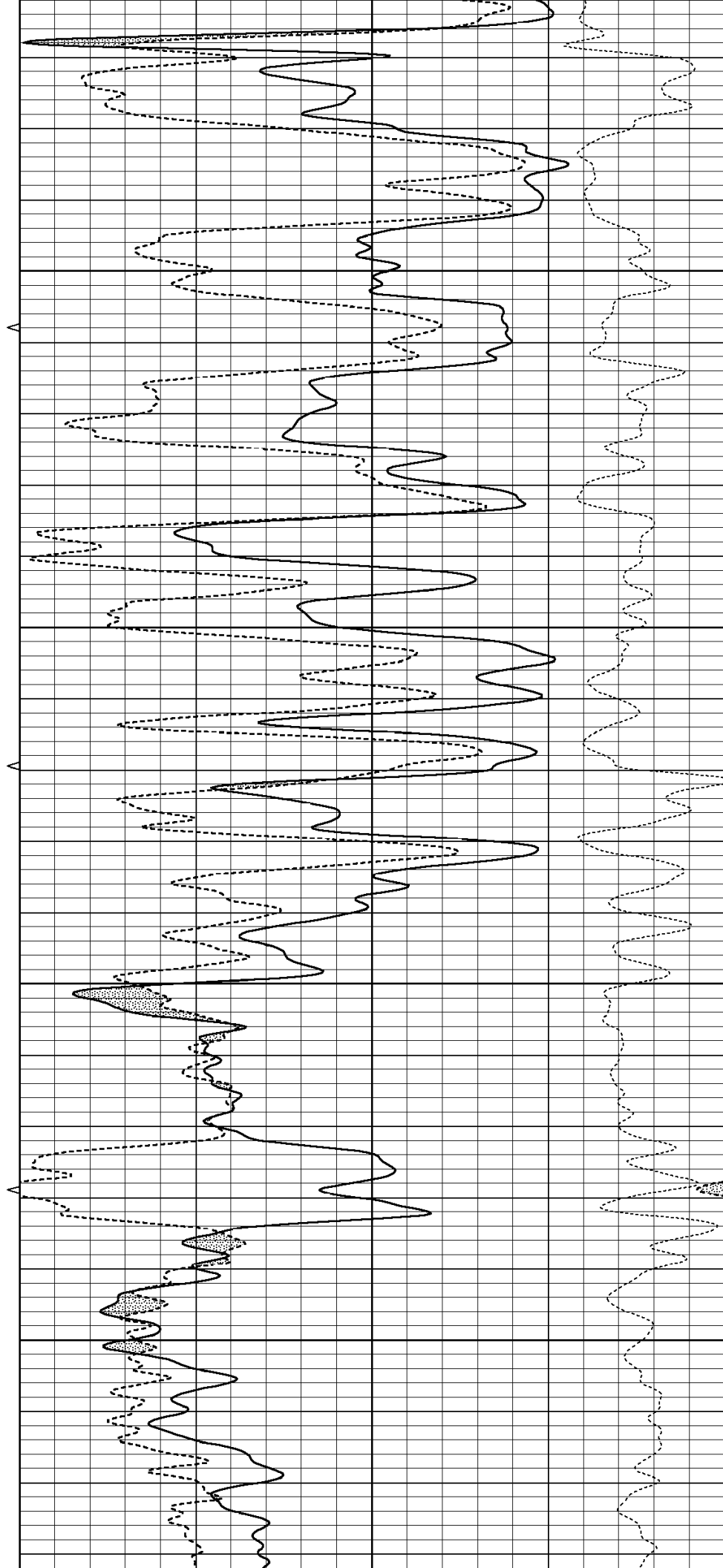


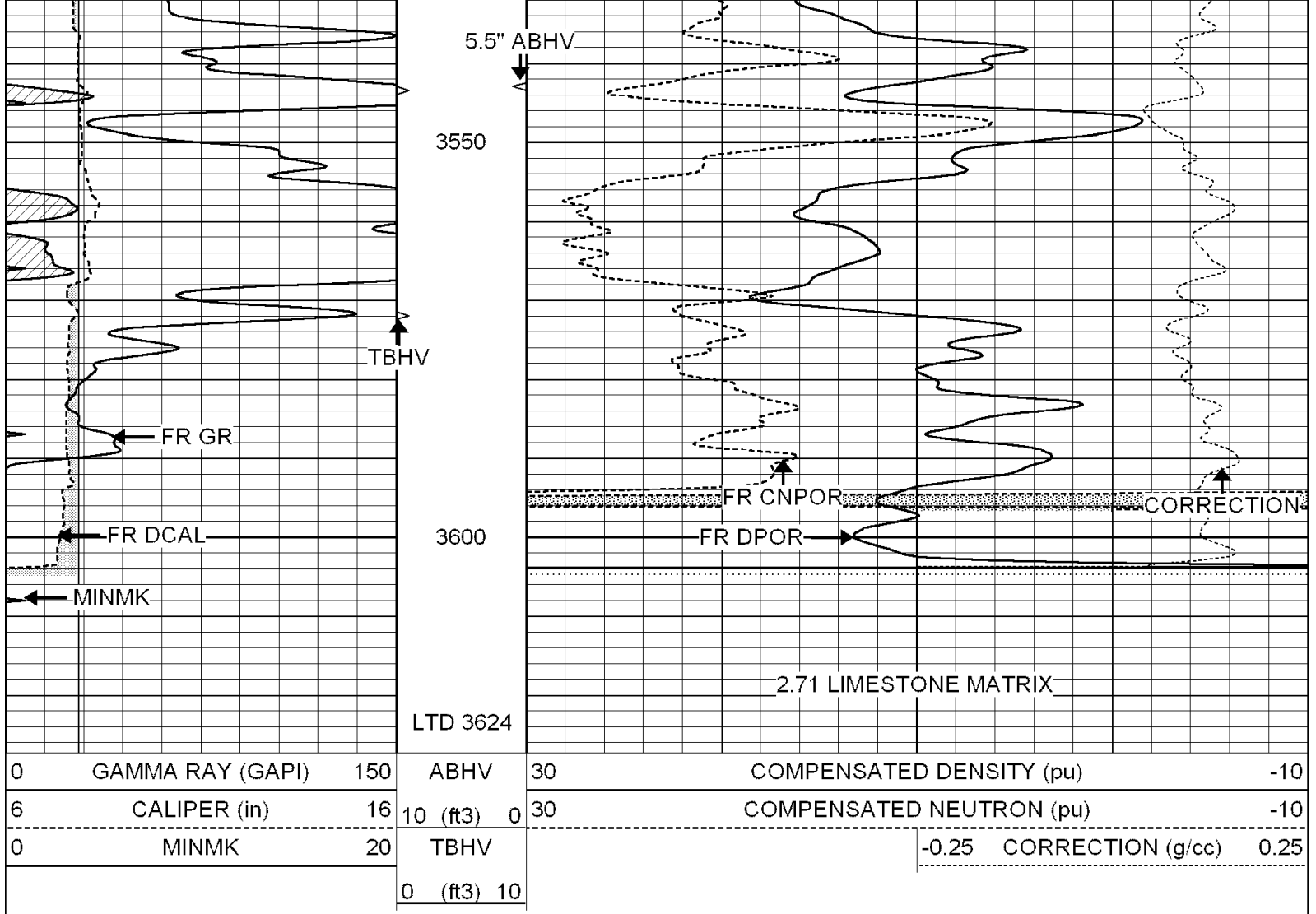
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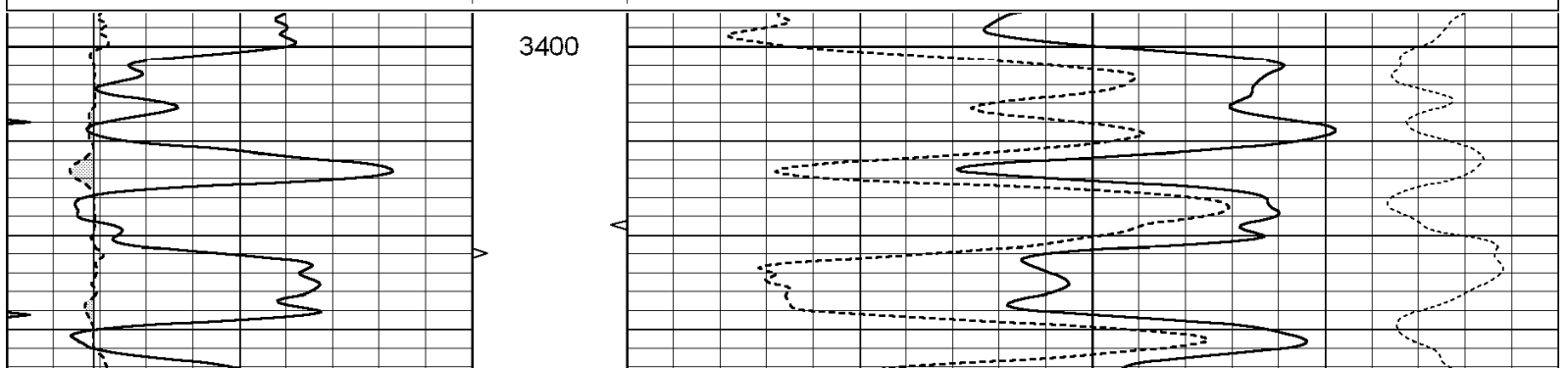


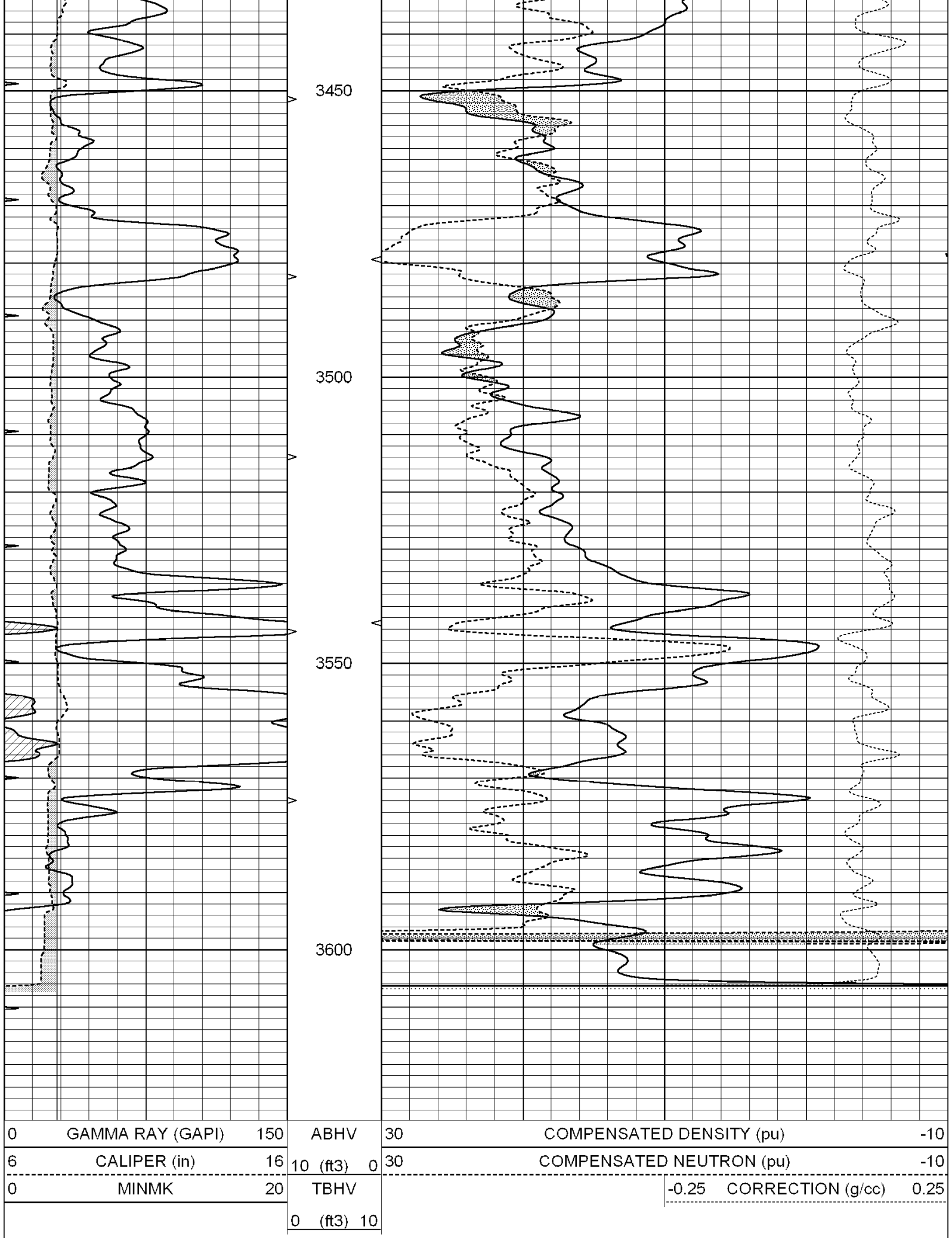
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REPEAT SECTION

Database File: 002499ddn.db
 Dataset Pathname: pass7.3
 Presentation Format: den_neu
 Dataset Creation: Fri Oct 24 00:51:21 2008 by Calc Open-Cased 060407
 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			





Calibration Report									
Database File:		002499ddn.db							
Dataset Pathname:		pass8.3							
Dataset Creation:		Fri Oct 24 01:12:50 2008 by Calc Open-Cased 060407							
Dual Induction Calibration Report									
Serial-Model: Performed:				DIL1-GEAR Thu Oct 23 21:53:49 2008					
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.014	0.656	V	0.000	400.000	mmho-m	525.000	-6.000	
Medium	-0.001	0.753	V	0.000	464.000	mmho-m	575.000	-7.000	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.015	0.658	V	0.000	500.000	mmho-m	778.152	-11.717	
Medium	0.014	0.750	V	0.000	500.000	mmho-m	680.048	-9.713	

Litho Density Calibration Report
 Serial: 003 Model: PRB
 Performed Sun May 27 14:00:47 2007

Litho Density Calibration					
	Background	Magnesium	Aluminum	Sandstone	
Window 1	2129.3	13425.5	4493.9	14622.8	cps
Window 2	1911.5	10435.8	3706.5	11076.3	cps
Window 3	1670.1	6774.1	2736.9	7064.4	cps
Window 4	493.6	496.3	490.8	497.3	cps
Long Space	0.0	8524.3	1795.1	9164.8	cps
Short Space	2.1	3478.4	2258.5	3656.0	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	
Rib Angle	: 44.5	Rib Slope	: 0.983	Density/Spine Ratio	: 0.544
Spine Angle	: 74.5	Spine Slope	: 3.607	Spine Intercept	: -20.4

Caliper	Readings	Reference	
Low Ref	2.2	6.5	
High Ref	4.5	15.5	
	Gain: 3.8		Offset: -1.7

Compensated Neutron Calibration Report

Serial Number:	NEU_3I
Tool Model:	G

CALIBRATION							
Detector		Readings		Target		Normalization	
Short Space		997.00	cps	1000.00	cps	1.0000	
Long Space		986.00	cps	1000.00	cps	1.0000	

Gamma Ray Calibration Report

Serial Number:	GR3
Tool Model:	OPEN
Performed:	Fri Oct 24 00:32:54 2008
Calibrator Values:	200.2 CARL

Calibrator Value:	200.0	GAPI
Background Reading:	3.0	cps
Calibrator Reading:	186.0	cps
Sensitivity:	0.8000	GAPI/cps