



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company	MAI OIL OPERATIONS, INC.		
Well	YOUNGER #1		
Field	STEGMAN		
County	RUSH	State	KANSAS
Location:	APL # : 15-165-21957-0000		Other Services
	330' FNL & 1250' FEL		DIL/MEL
	W/2 - NW - NE - NE		
	SEC 11 TWP 16S RGE 17W		
Permanent Datum	GROUND LEVEL	Elevation	1930
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 1938	D.F. 1936
Drilling Measured From	KELLY BUSHING	G.L. 1930	
Date	2/13/12		
Run Number	ONE		
Depth Driller	3600		
Depth Logger	3599		
Bottom Logged Interval	3575		
Top Log Interval	2800		
Casing Driller	8 5/8"@1070'		
Casing Logger	1070		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 3,600 PPM	
Density / Viscosity	9.2/50		
pH / Fluid Loss	10.0/8.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.700@54F		
Rmt @ Meas. Temp	.525@54F		
Rmc @ Meas. Temp	.840@54F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.338@112F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	10:30 A.M.		
Maximum Recorded Temperature	112F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KURT TALBOTT		

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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
LORETTO, KS. 1 3/4N., 1/2E. INTO @MAIL BOX, VEER NORTH BEFORE FARM HOUSE

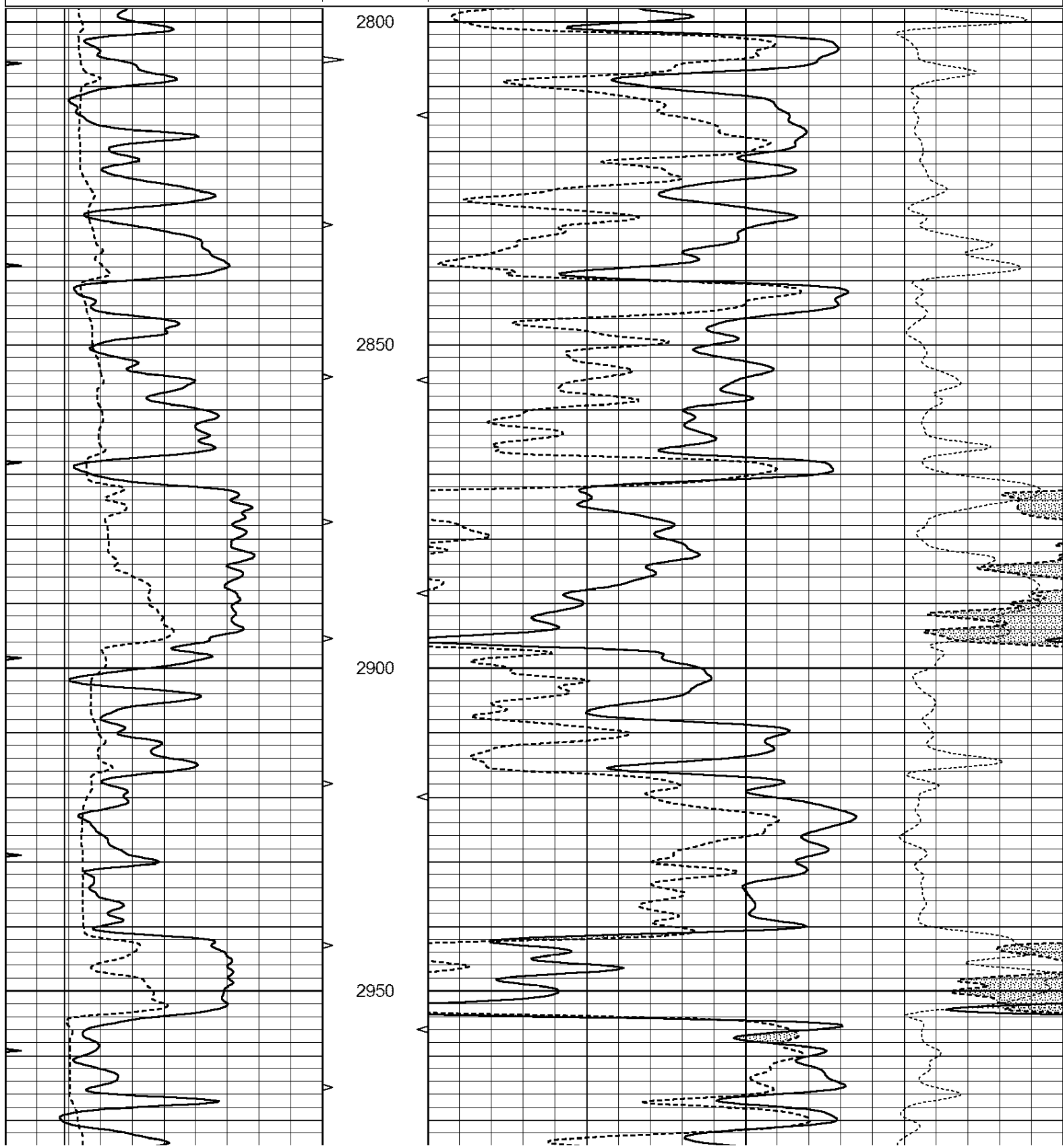


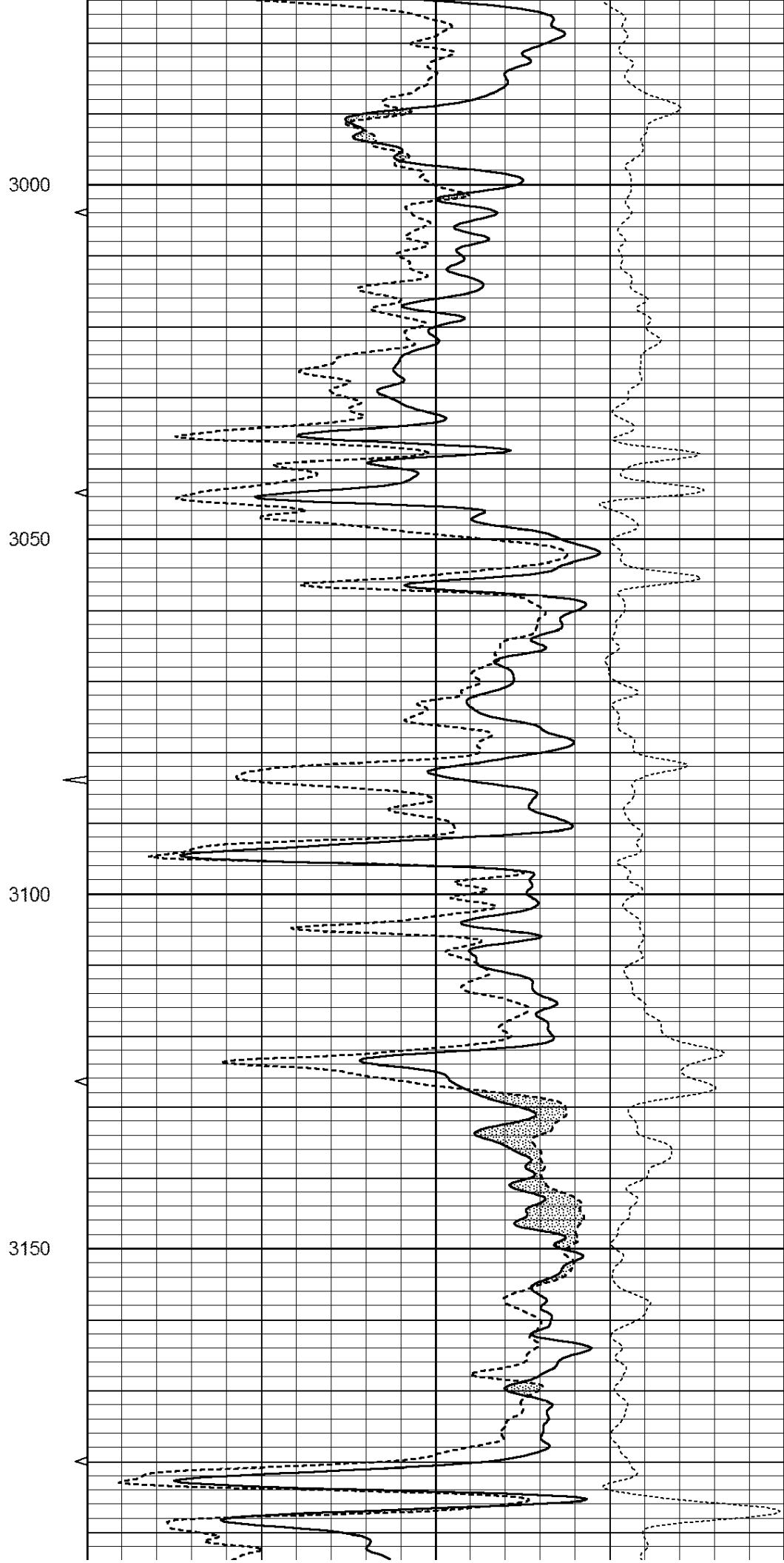
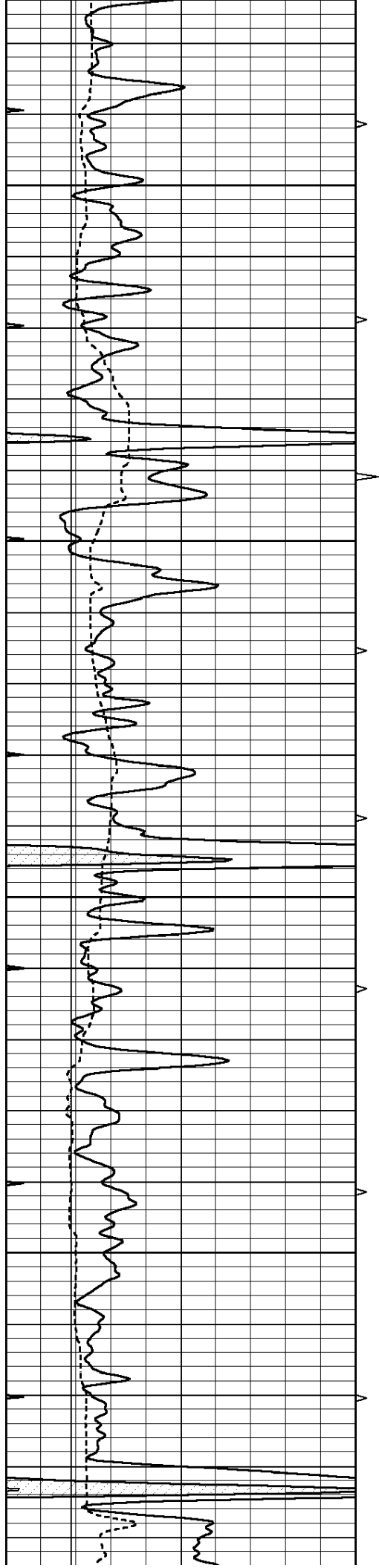
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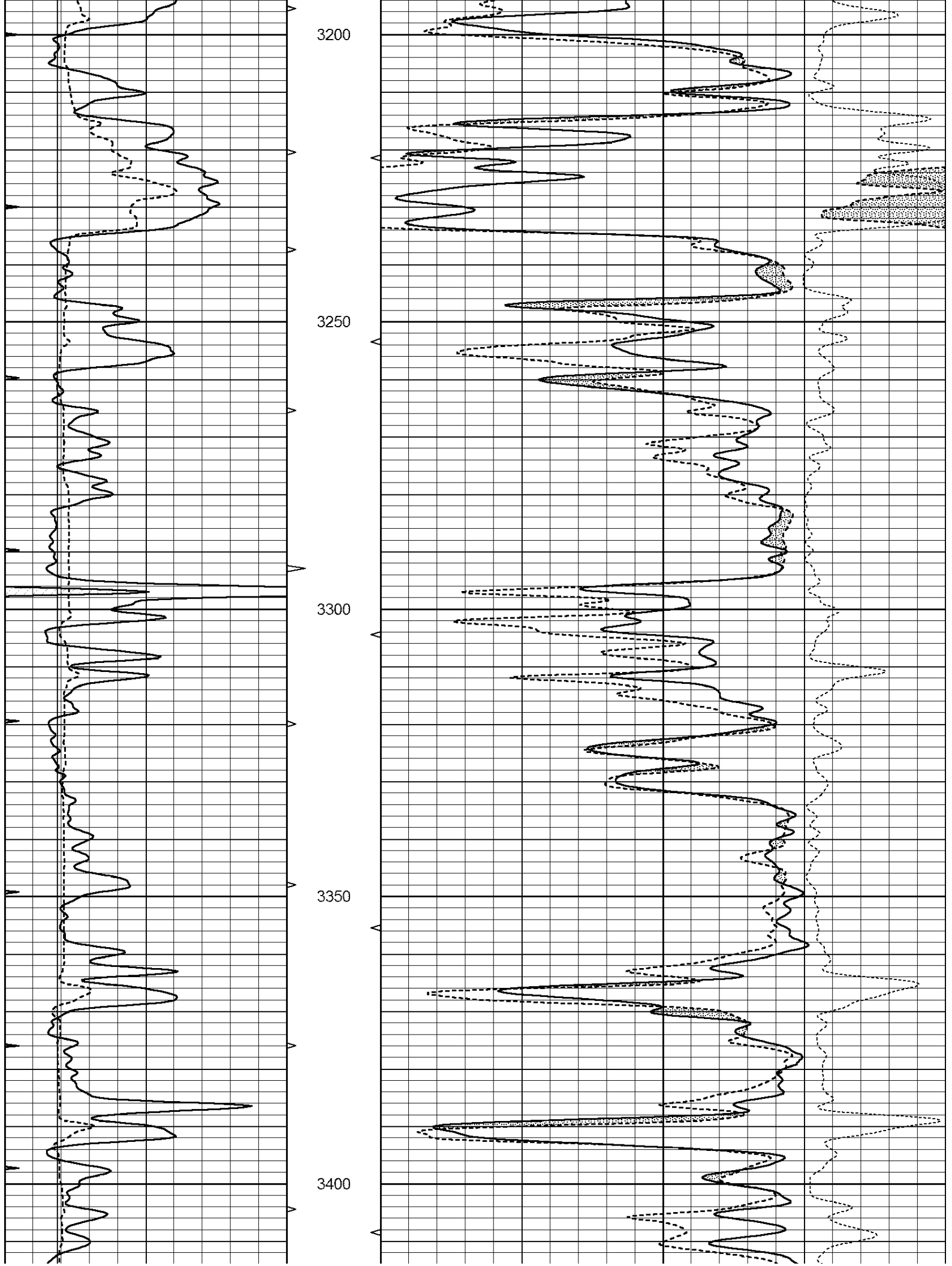
MAIN SECTION

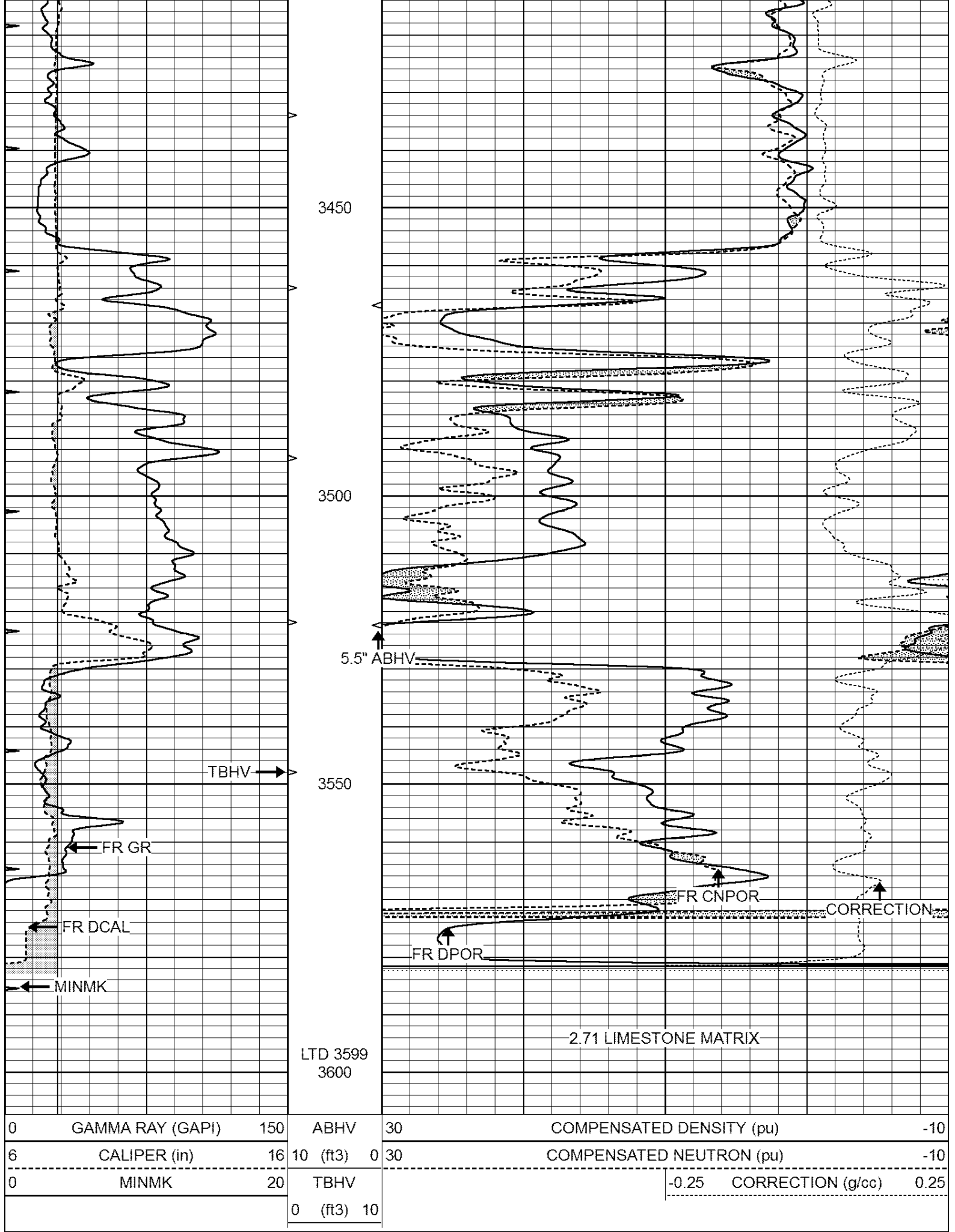
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Dataset Pathname: pass3.4
Presentation Format: den_neu
Dataset Creation: Mon Feb 13 11:46:42 2012
Charted by: Depth in Feet scaled 1:240

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		









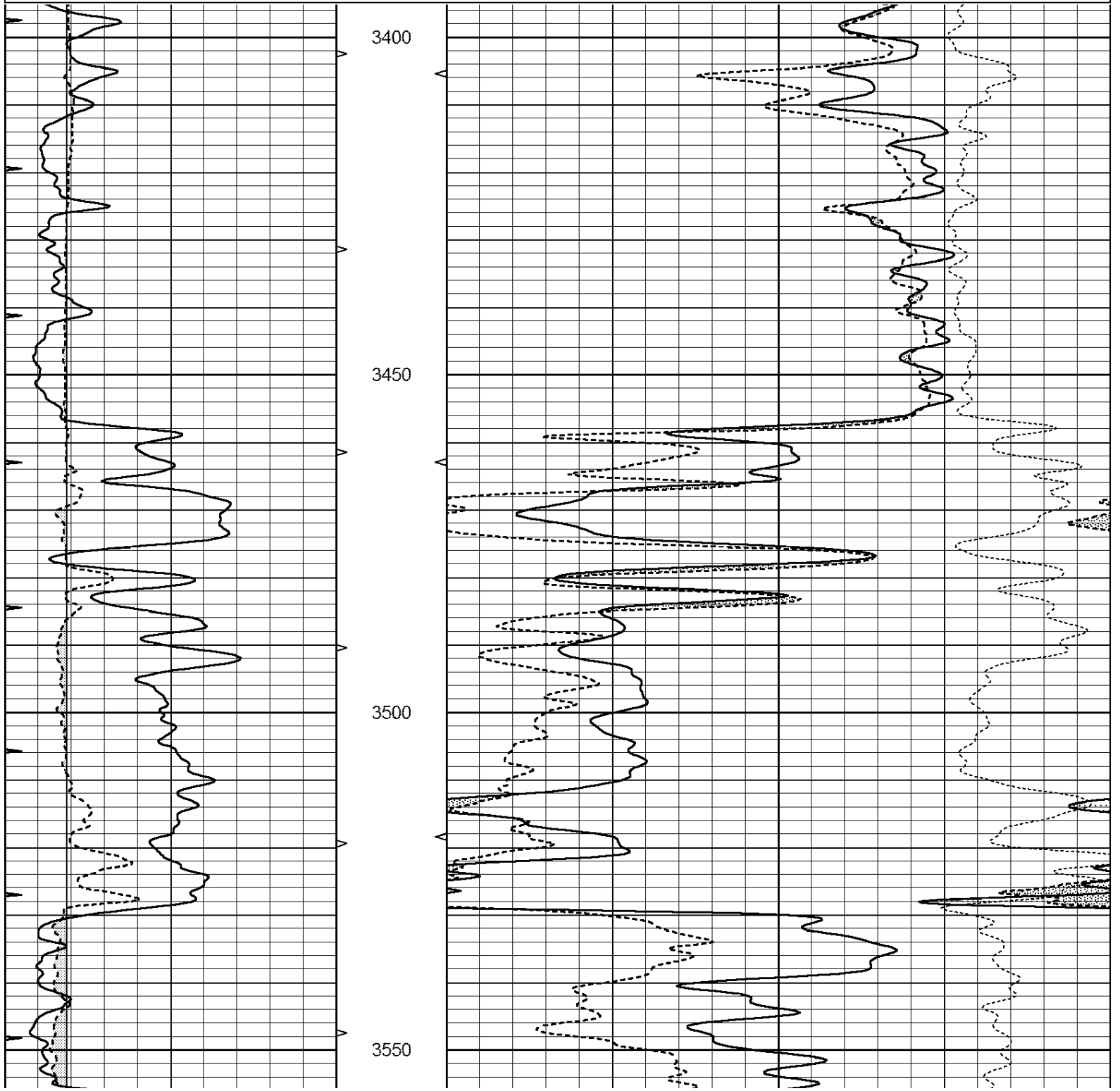


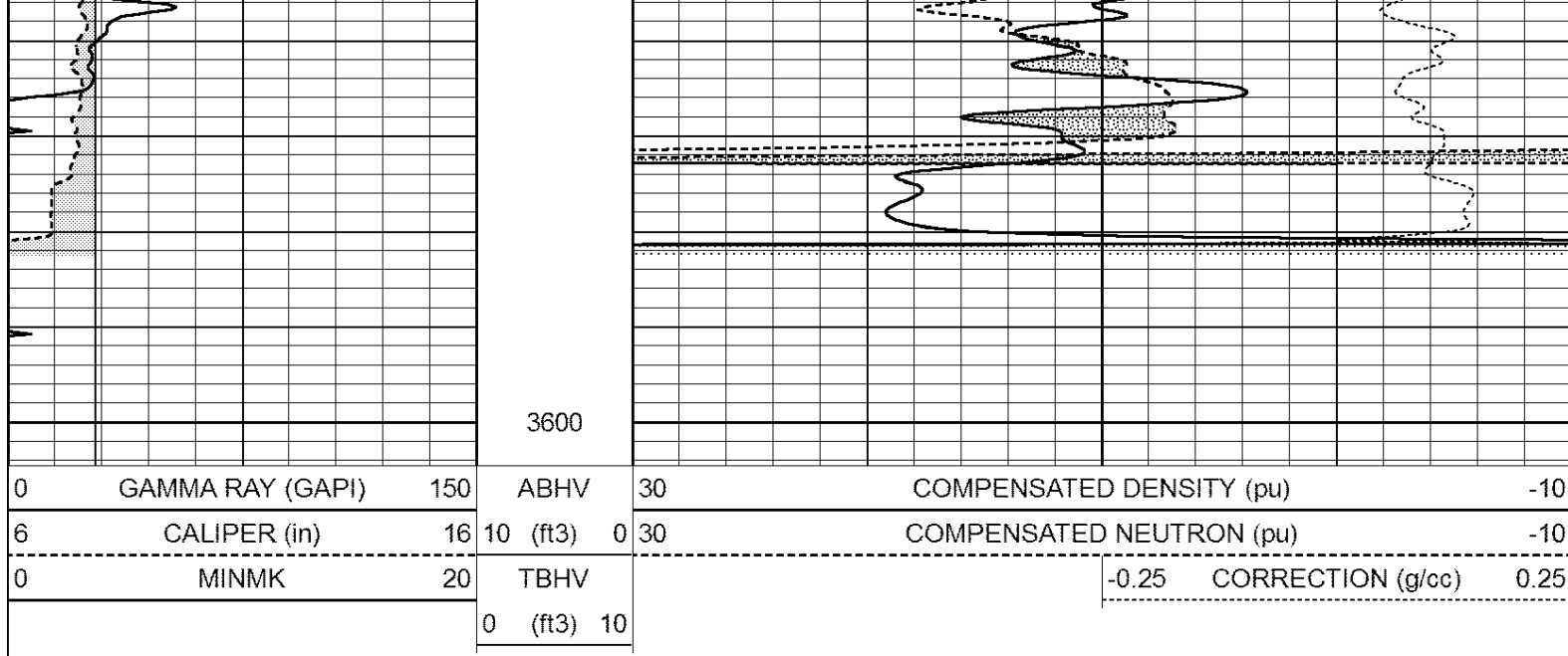
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REPEAT SECTION

Database File: 408412ddn.db
Dataset Pathname: pass2.4
Presentation Format: den_neu
Dataset Creation: Mon Feb 13 11:04:54 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					

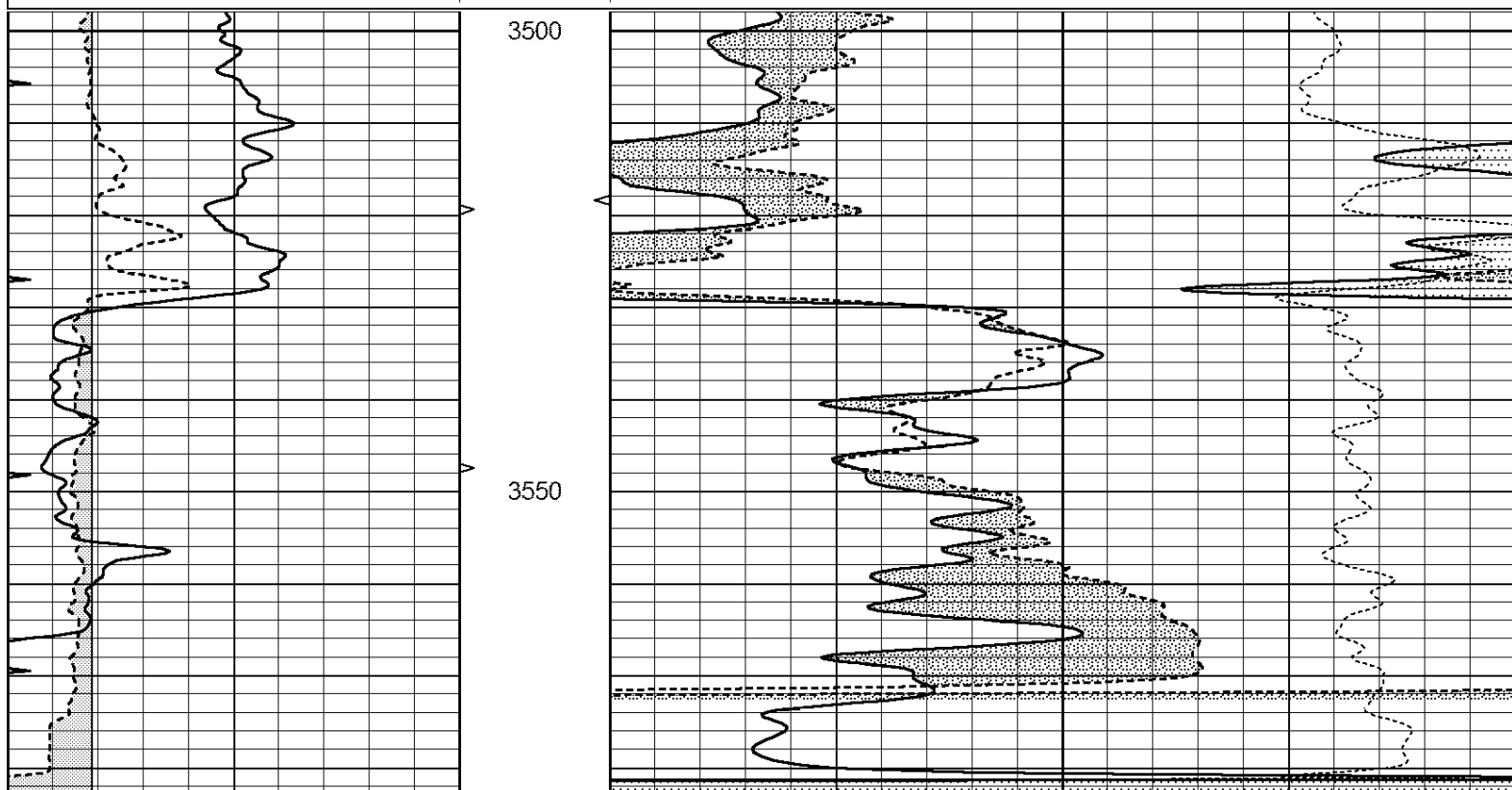
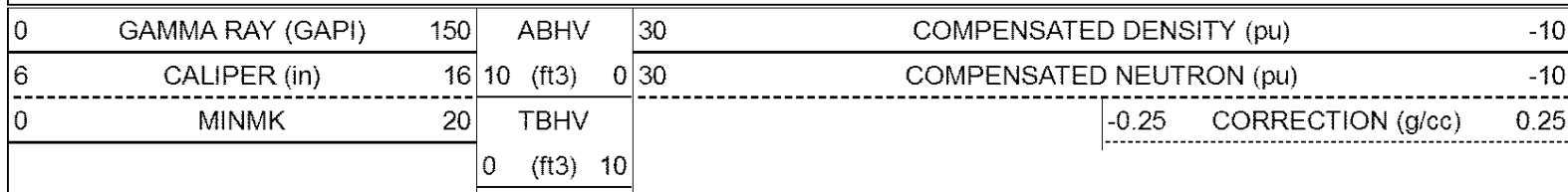




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DOLOMITE MATRIX

Database File: 408412ddn.db
Dataset Pathname: pass2.6
Presentation Format: den_neu
Dataset Creation: Mon Feb 13 11:56:10 2012
Charted by: Depth in Feet scaled 1:240



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:	Fri Feb 10 19:55:42 2012		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	