



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
LOG

Company TETON NORTH AMERICA, LLC.
Well ALLPHIN #7
Field COOPER
County GRAHAM
State KANSAS

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Well ALLPHIN #7
Field COOPER
County GRAHAM State KANSAS

Location: API # : 15-065-23446-0000
1393' FSL & 1848' FWL
SEC 33 TWP 9S RGE 21W
Permanent Datum GROUND LEVEL Elevation 2317
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING
Other Services
DIL/MEL
SONIC
Elevation
K.B. 2325
D.F. 2323
G.L. 2317

Date	6/27/08		
Run Number	ONE		
Depth Driller	3977		
Depth Logger	3976		
Bottom Logged Interval	3952		
Top Log Interval	3200		
Casing Driller	8 5/8"@221'		
Casing Logger	221		
Bit Size	7 7/8		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2,000 PPM	
Density / Viscosity	9.4/68		
pH / Fluid Loss	10.0/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.20@90F		
Rmf @ Meas. Temp	.900@90F		
Rmc @ Meas. Temp	1.44@90F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.931@116F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom			
Maximum Recorded Temperature	116F		
Equipment Number	0836		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEITH REAVIS	BRIAN KARLIN	

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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
PALCO, KS. 2S. ON BLKTOP TO RD. "Y", 5 1/2 W., N. INTO BEFORE TANK BATTERY

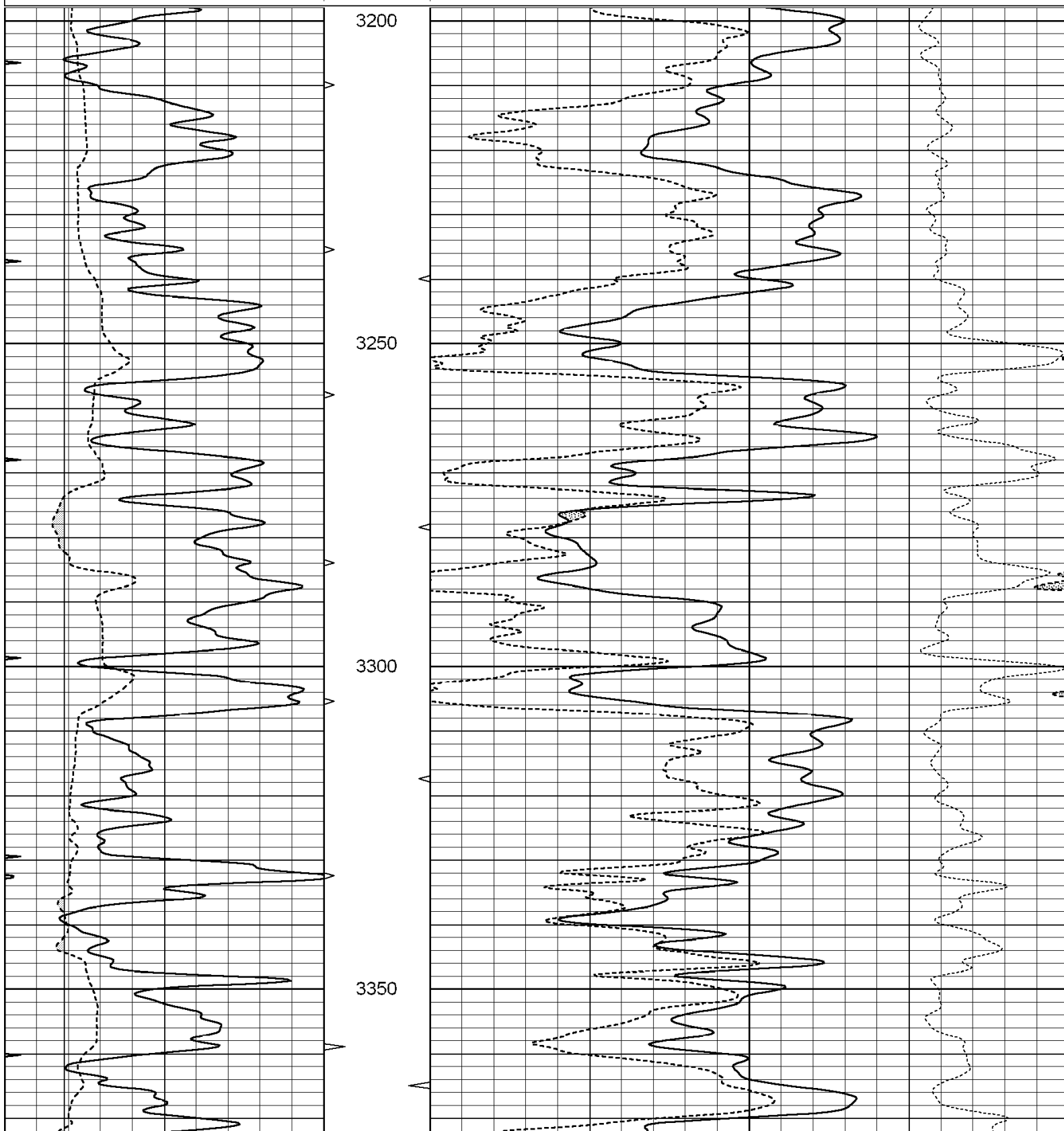


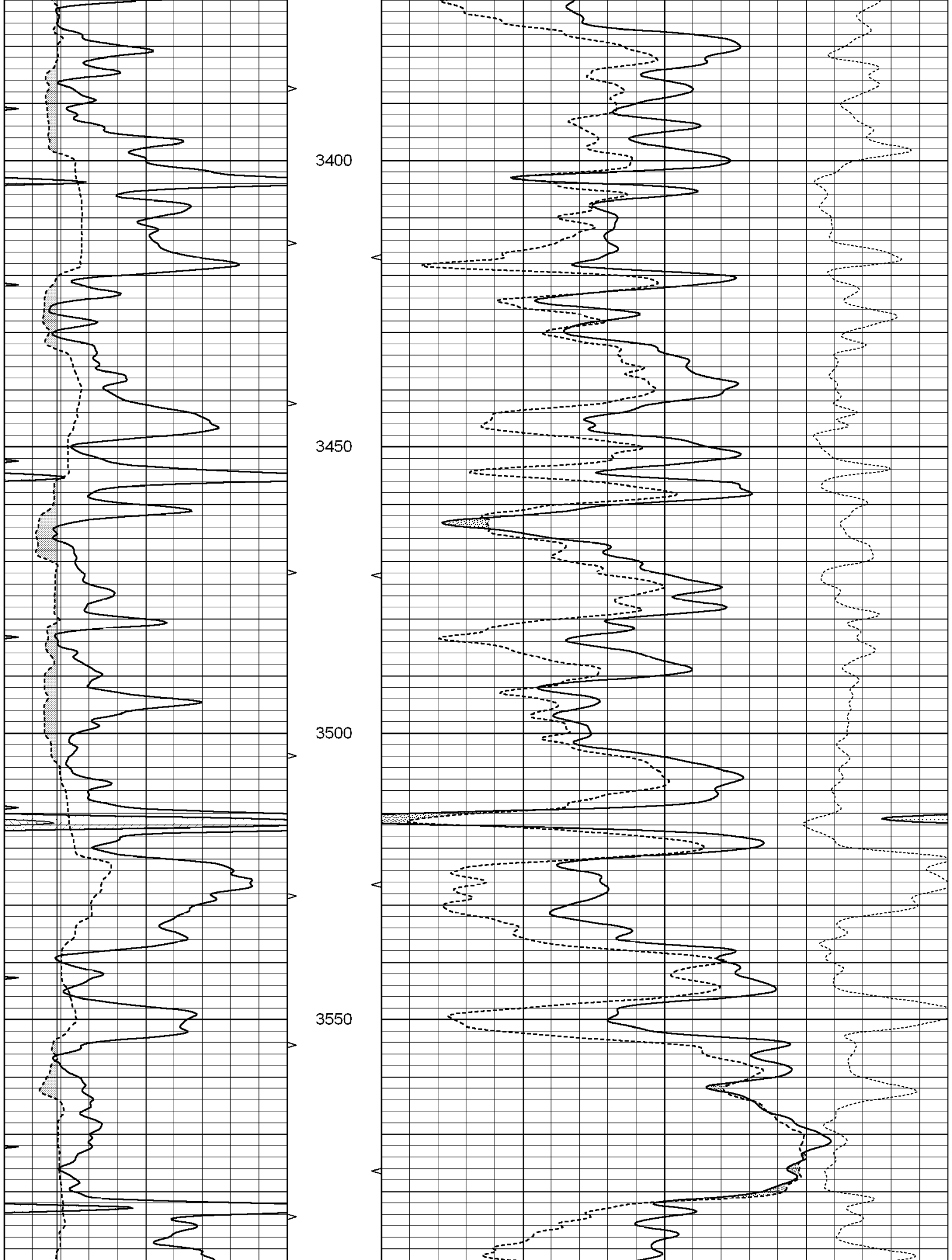
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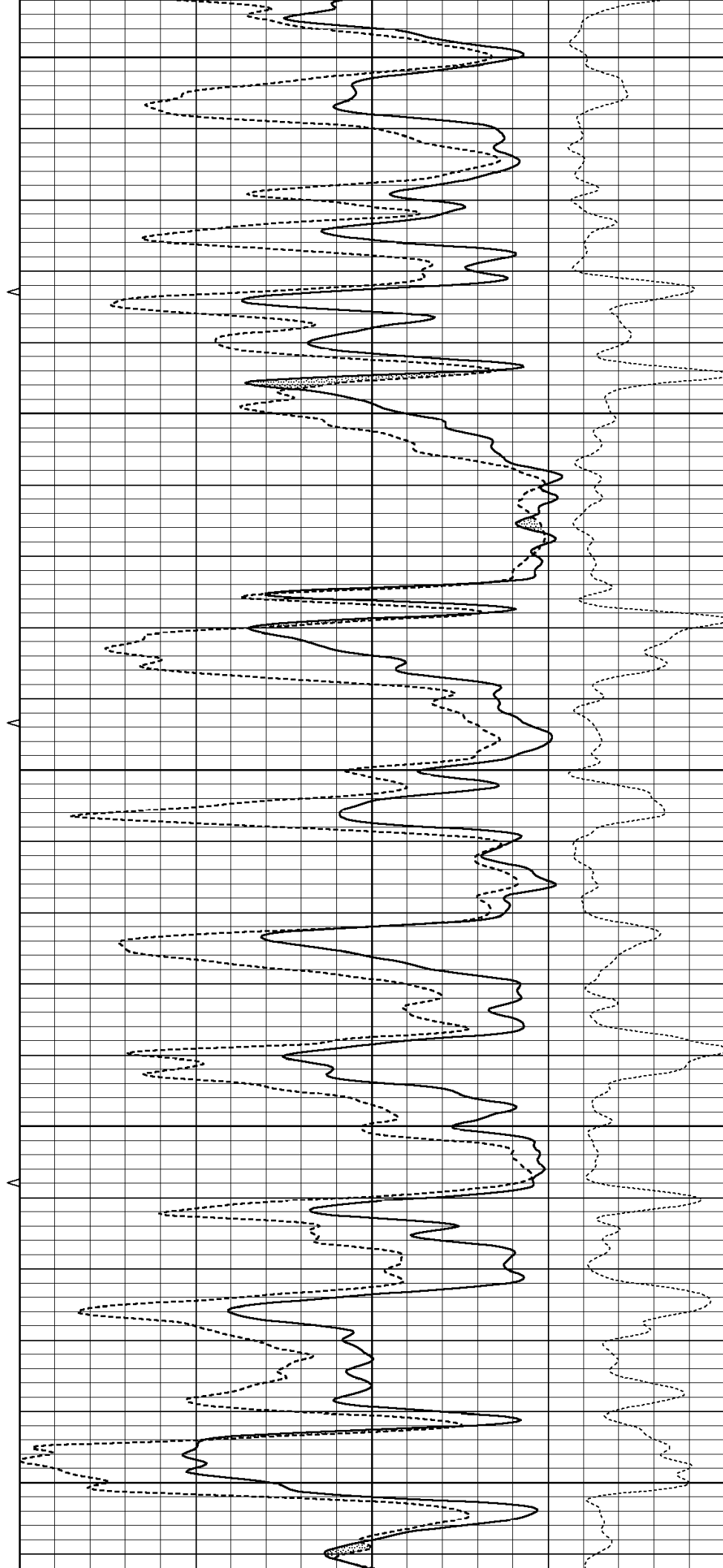
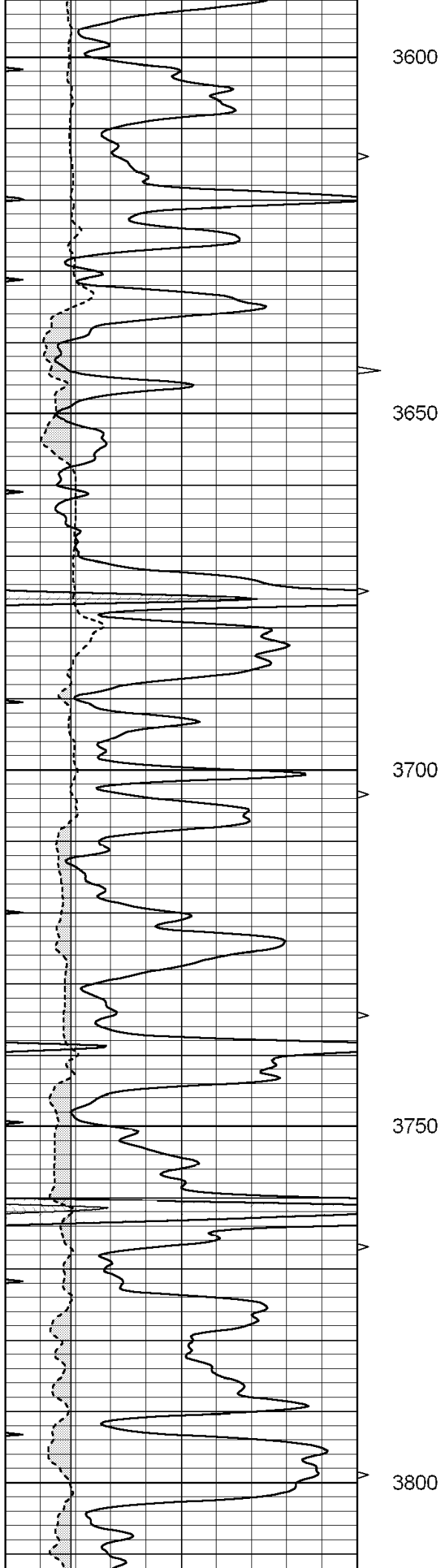
MAIN SECTION

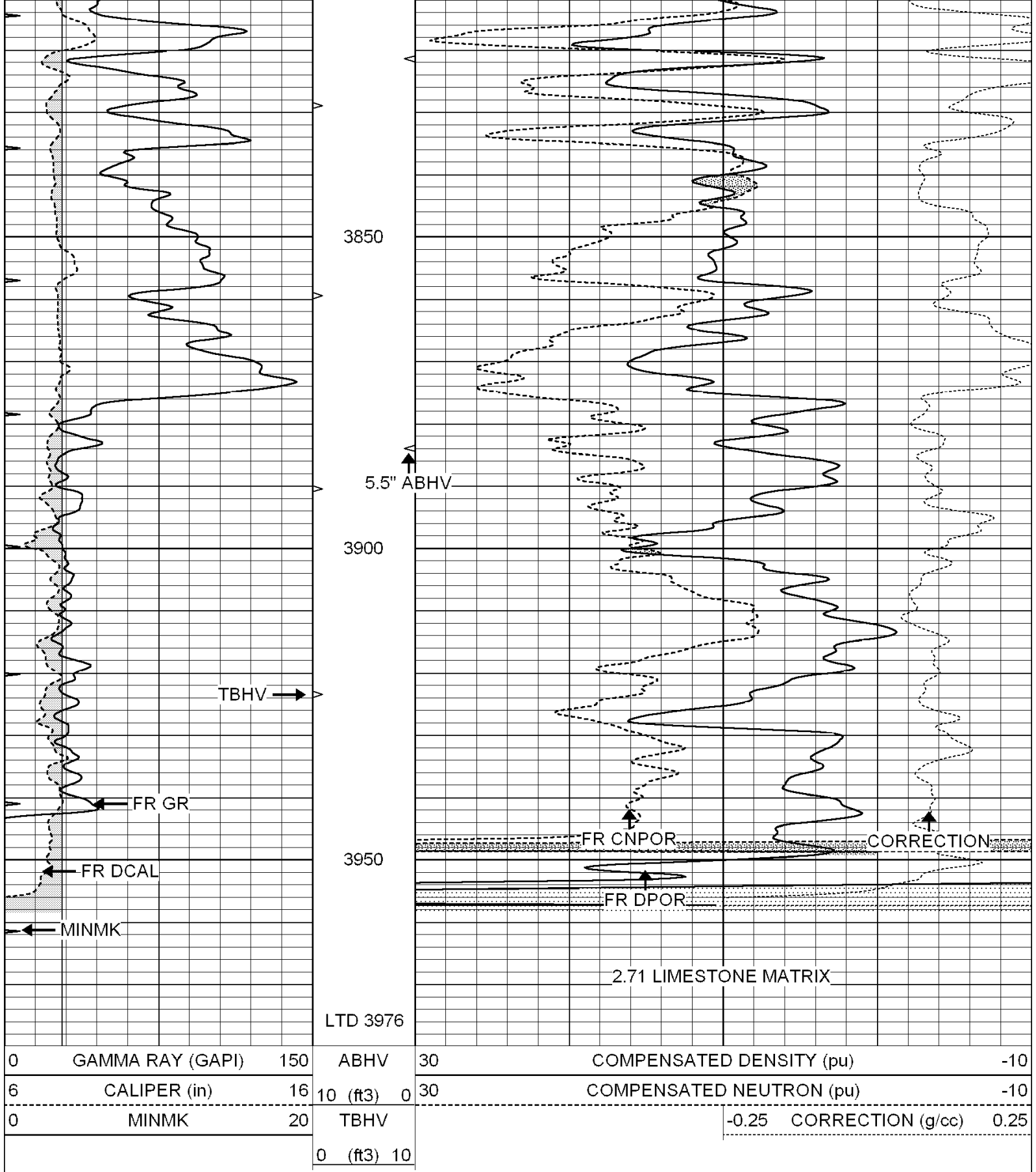
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Dataset Pathname: pass3.3
Presentation Format: den_neu
Dataset Creation: Fri Jun 27 13:25:38 2008 by Calc Open-Cased 060407
Charted by: Depth in Feet scaled 1:240

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			







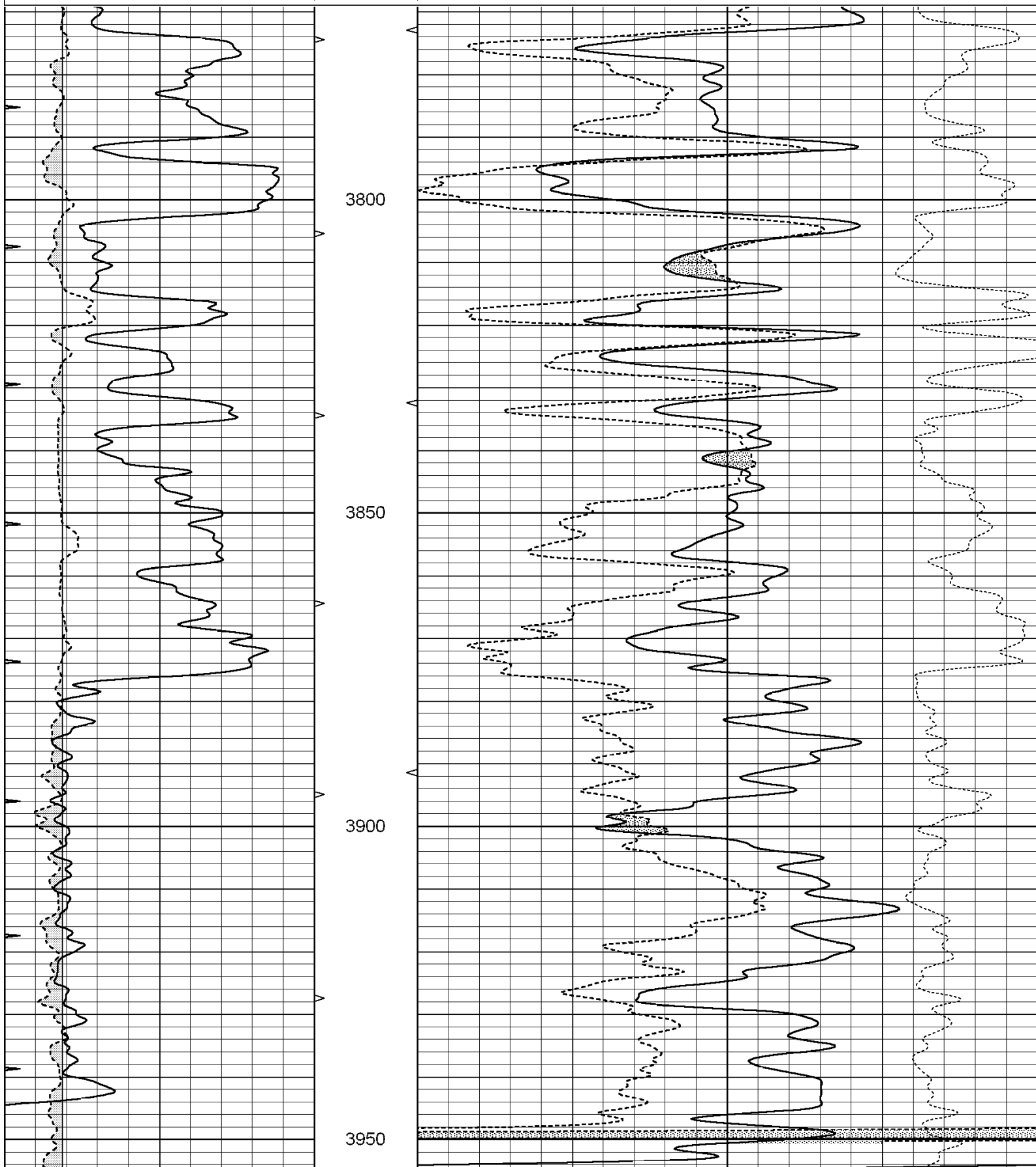


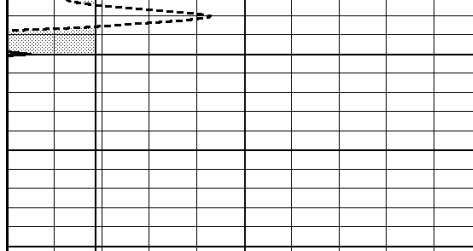
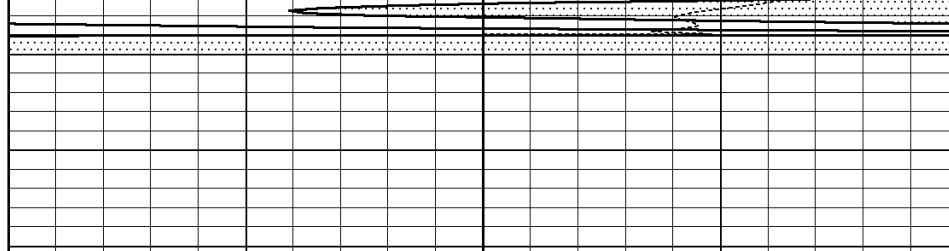
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REPEAT SECTION

Dataset Pathname: pass2.b
Presentation Format: den_neu
Dataset Creation: Fri Jun 27 13:26:10 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			



							
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			

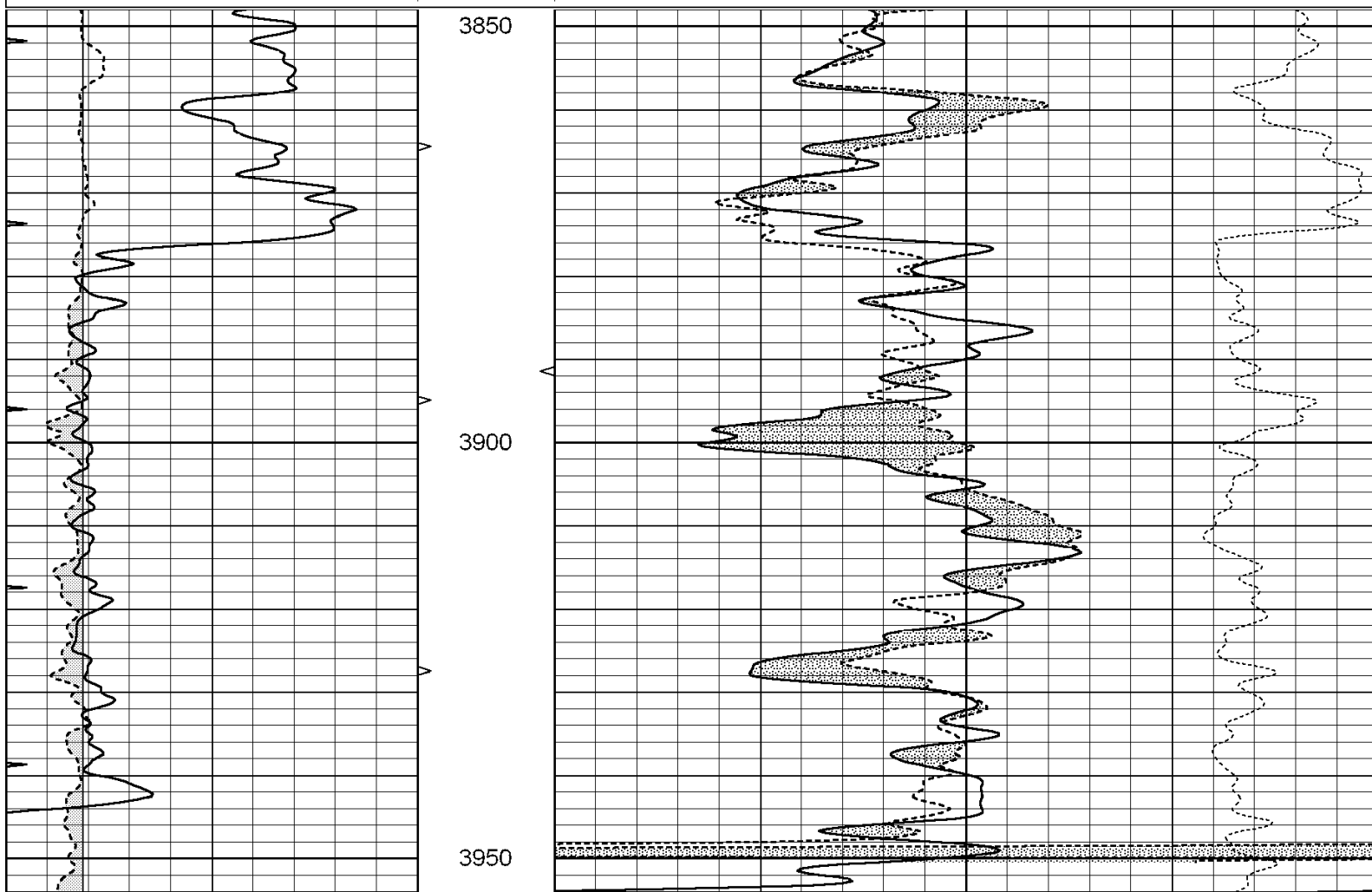


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DOLOMITE MATRIX

Database File: 002062ddn.db
Dataset Pathname: pass2.8
Presentation Format: den_neu
Dataset Creation: Fri Jun 27 13:27:47 2008
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					



		Serial Number:		NEU_4I	
		Tool Model:		G	
CALIBRATION					
Detector		Readings		Target	
				Normalization	
Short Space		996.00	cps	1000.00	cps
Long Space		977.00	cps	1000.00	cps
					1.0000
					1.0000
Gamma Ray Calibration Report					
Serial Number:		GR4			
Tool Model:		OPEN			
Performed:		Fri Jun 27 12:48:47 2008			
Calibrator Value:		200.0		GAPI	
Background Reading:		0.0		cps	
Calibrator Reading:		189.0		cps	
Sensitivity:		1.0000		GAPI/cps	