



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
PE LOG

Company	MULL DRILLING COMPANY, INC.	Company	MULL DRILLING COMPANY, INC.
Well	#2-16 DAVID	Well	#2-16 DAVID
Field	WILDCAT	Field	WILDCAT
County	NESS	County	NESS
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-135-25376-0000	Other Services	DIL/MEL SONIC
Permanent Datum	GROUND LEVEL	Elevation	2456
Log Measured From	KELLY BUSHING 5' A.G.L.		
Drilling Measured From	KELLY BUSHING		
SEC 16 TWP 17S RGE 23W			
1113' FSL & 2136' FSL			
4/17/12			
Run Number	ONE		
Depth Driller	4560		
Depth Logger	4562		
Bottom Logged Interval	4538		
Top Log Interval	3600		
Casing Driller	8 5/8"@222'		
Casing Logger	208		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHORIDES	4,900 PPM
Density / Viscosity	9.6/53		
pH / Fluid Loss	9.0/7.6		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.800@78F		
Rmt @ Meas. Temp	.600@78F		
Rmc @ Meas. Temp	.960@78F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.516@78F		
Time Circulation Stopped	2.5 HOURS		
Time Logger on Bottom	8:15 A.M.		
Maximum Recorded Temperature	121F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KEVIN KESSLER		

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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
RANSOM, KS. (HWY 283 & 4 JUNCTION) 5S. TO "RD. 210", 1 1/2E., N. INTO

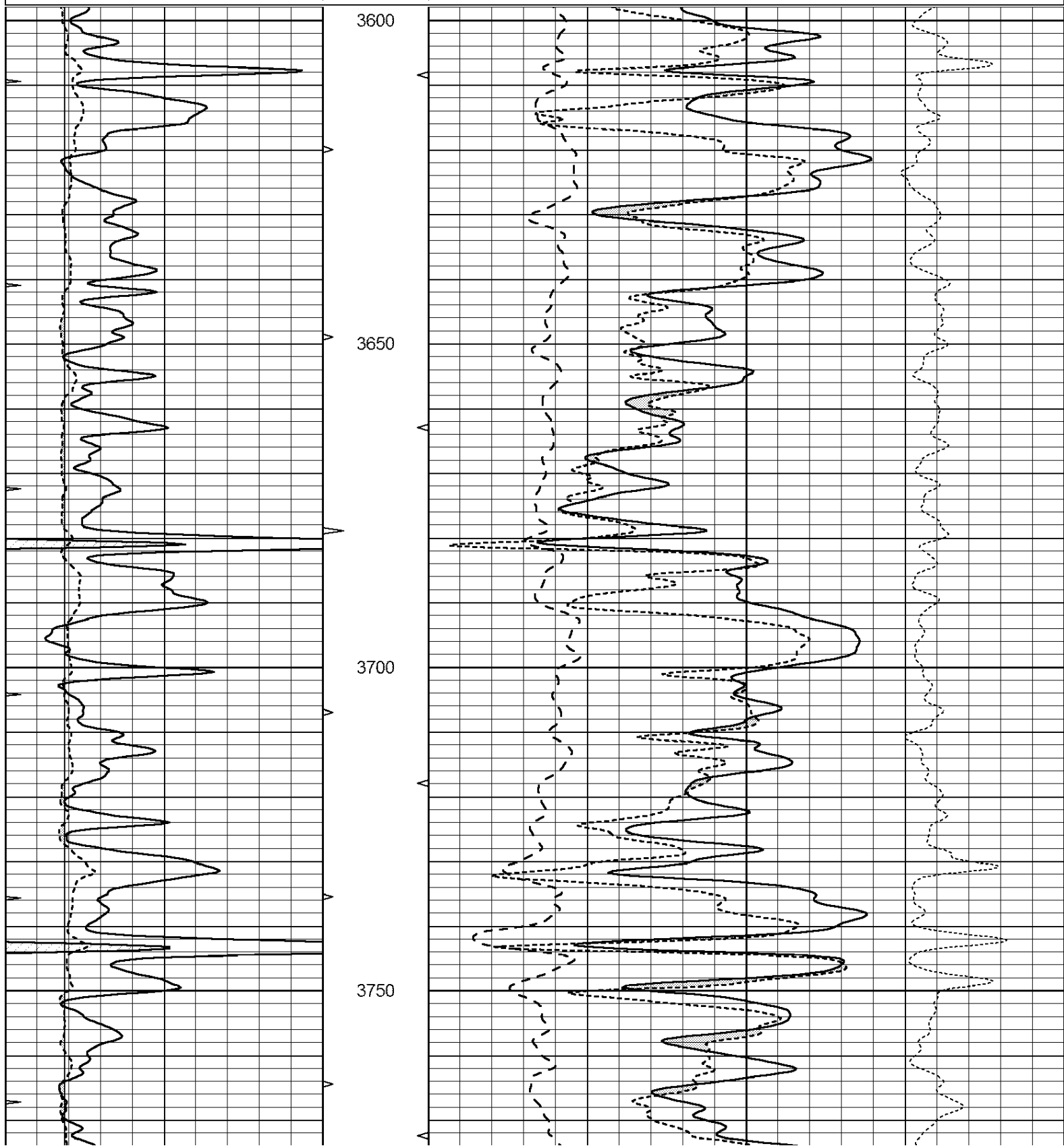


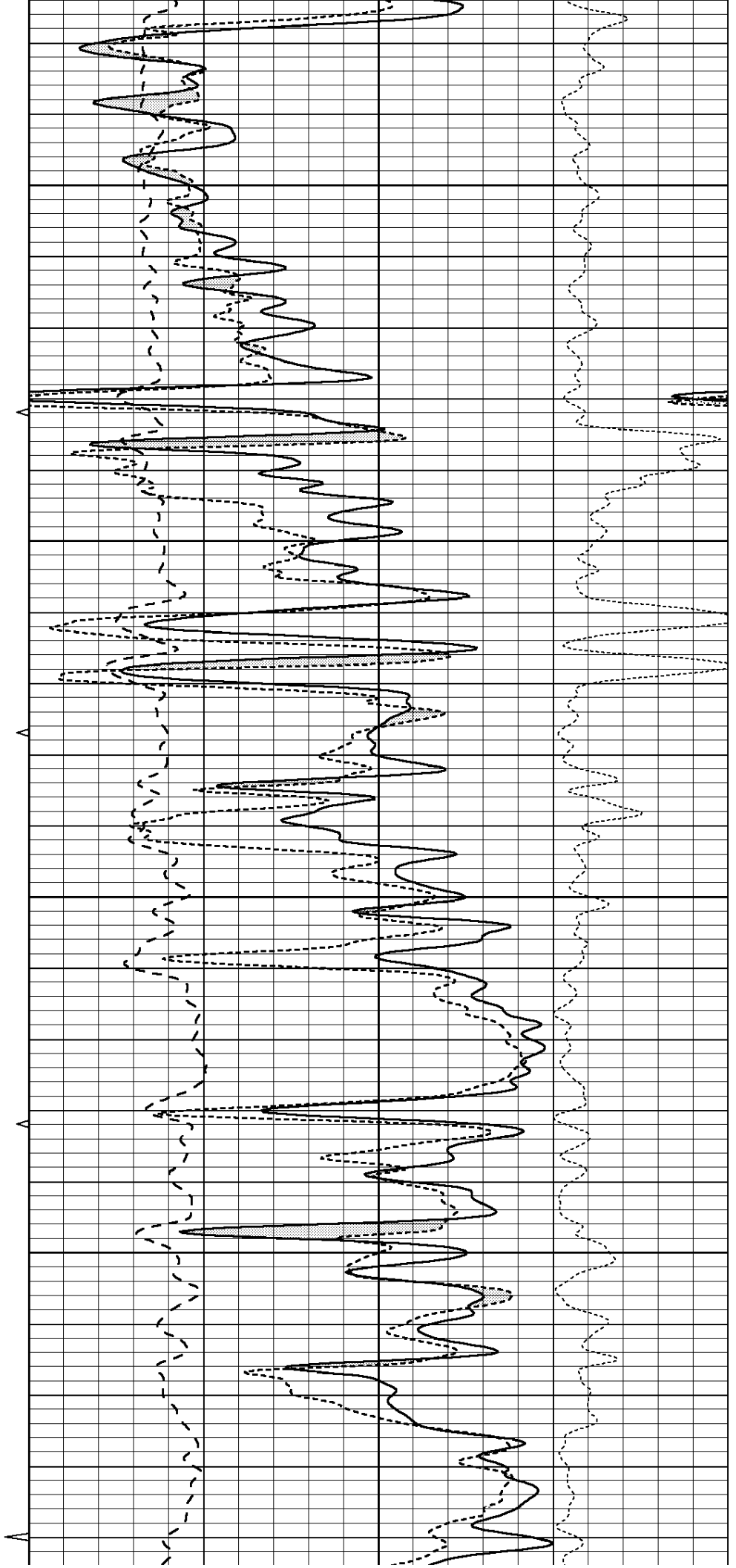
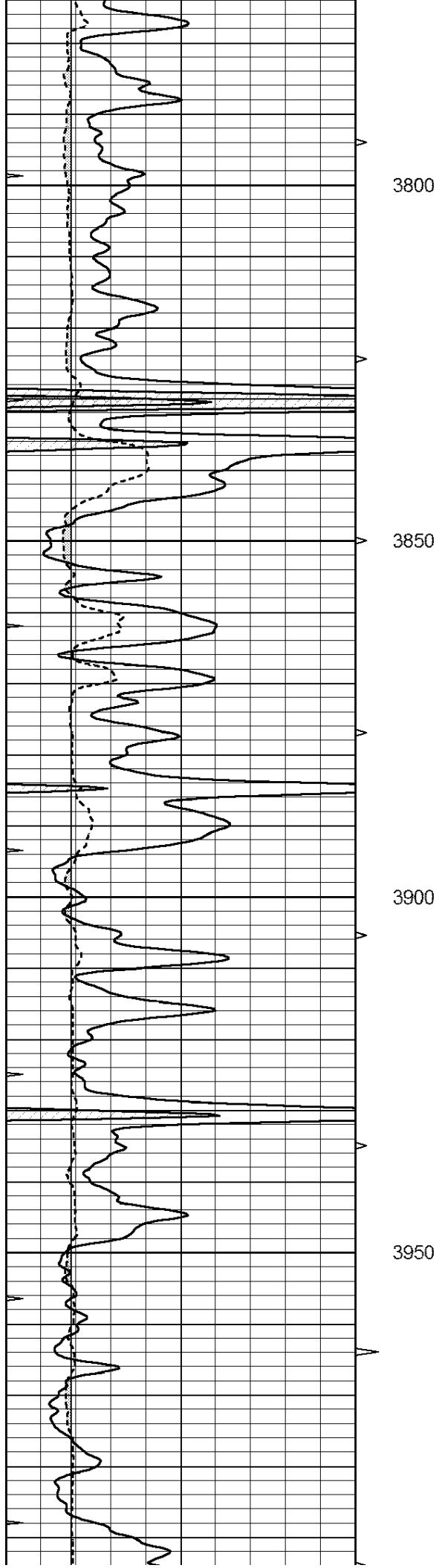
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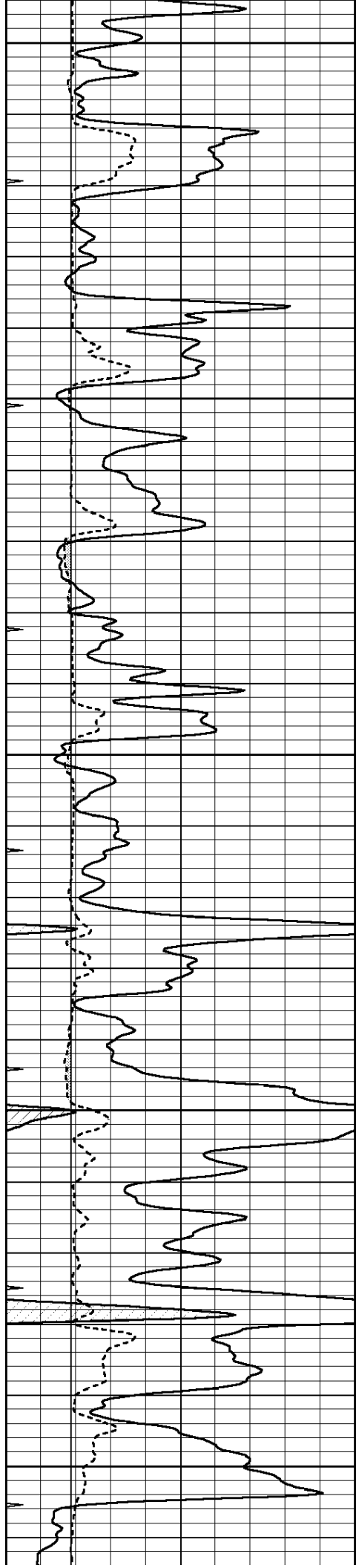
MAIN SECTION

Database File: 408626pe.db
Dataset Pathname: pass3.6
Presentation Format: ldt_neu
Dataset Creation: Tue Apr 17 09:51:53 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3)	10		







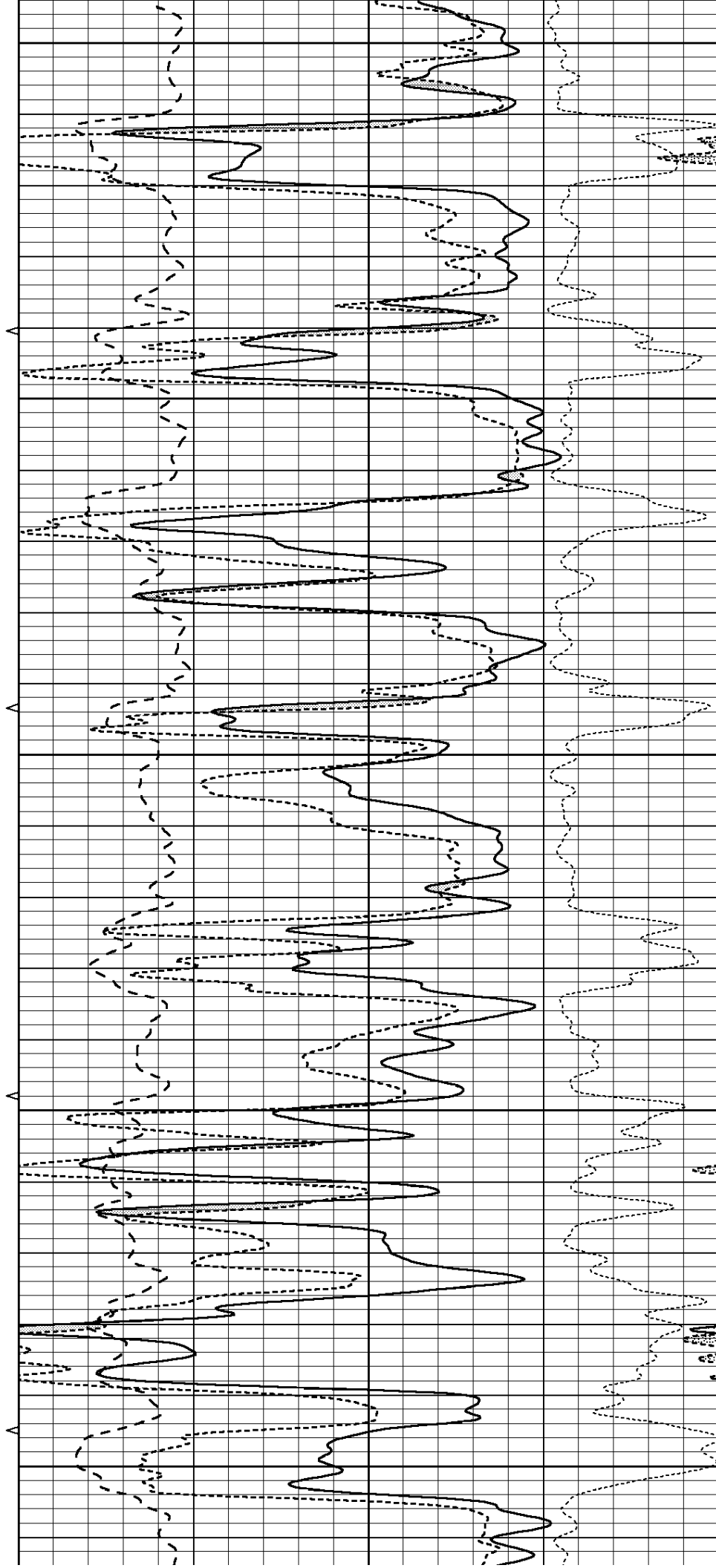
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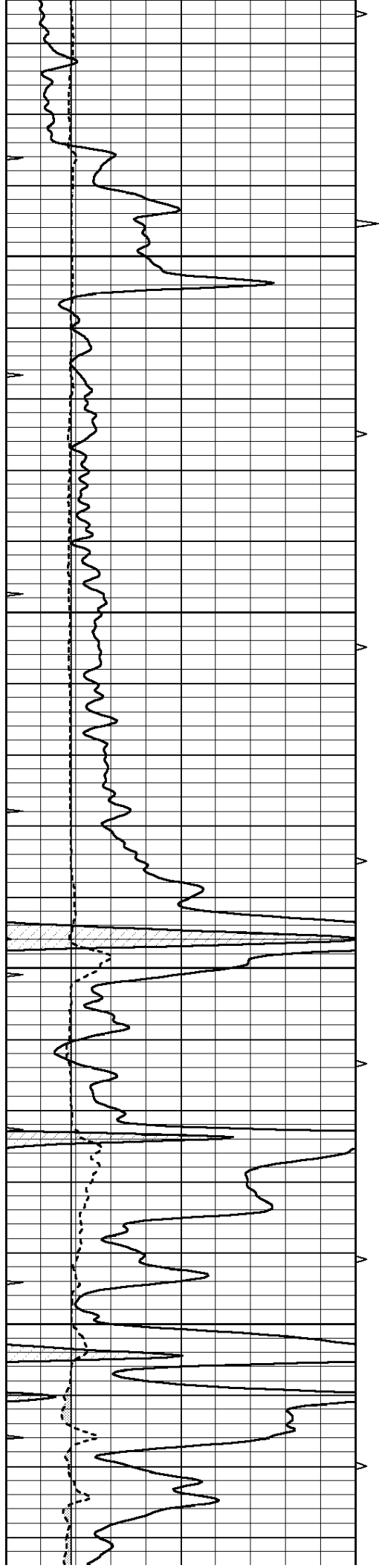
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4100

4150

4200



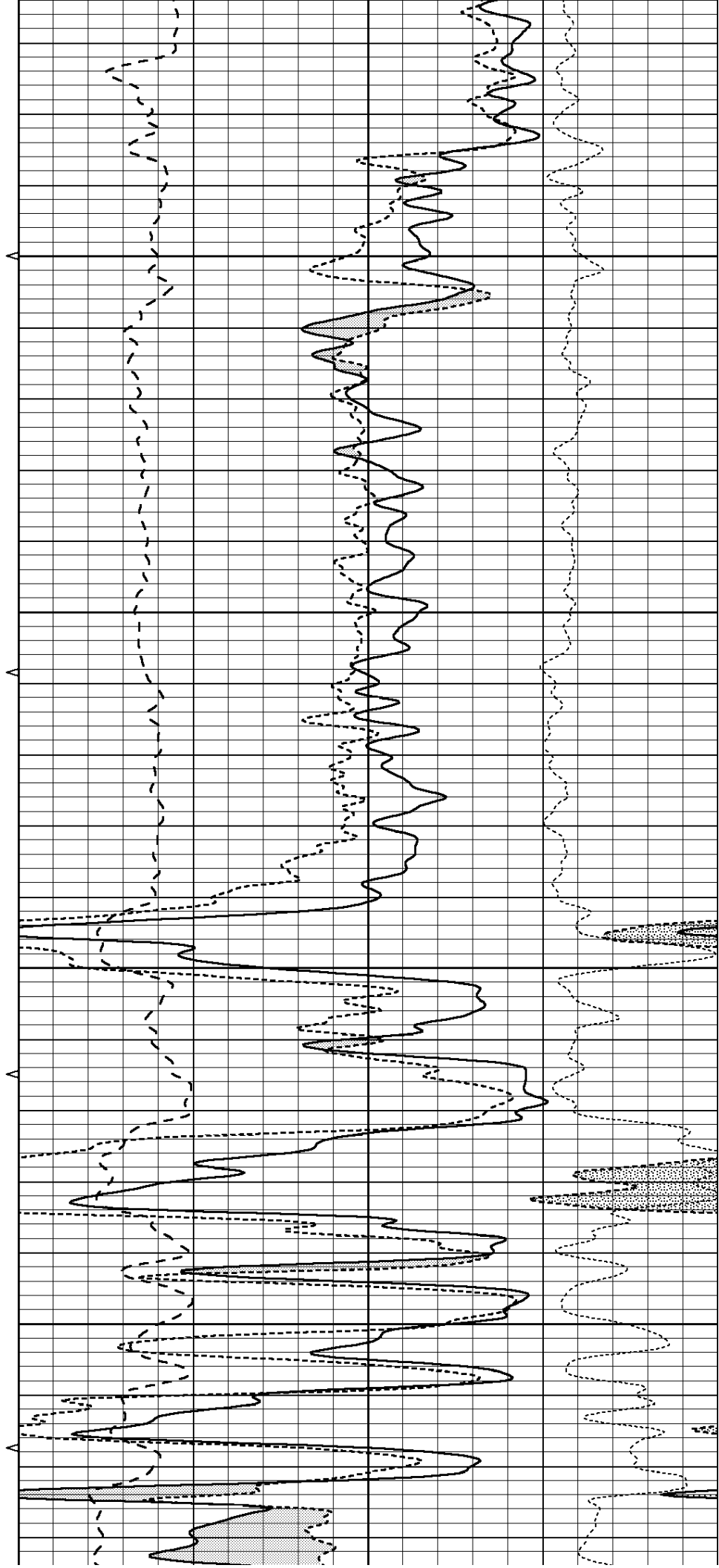


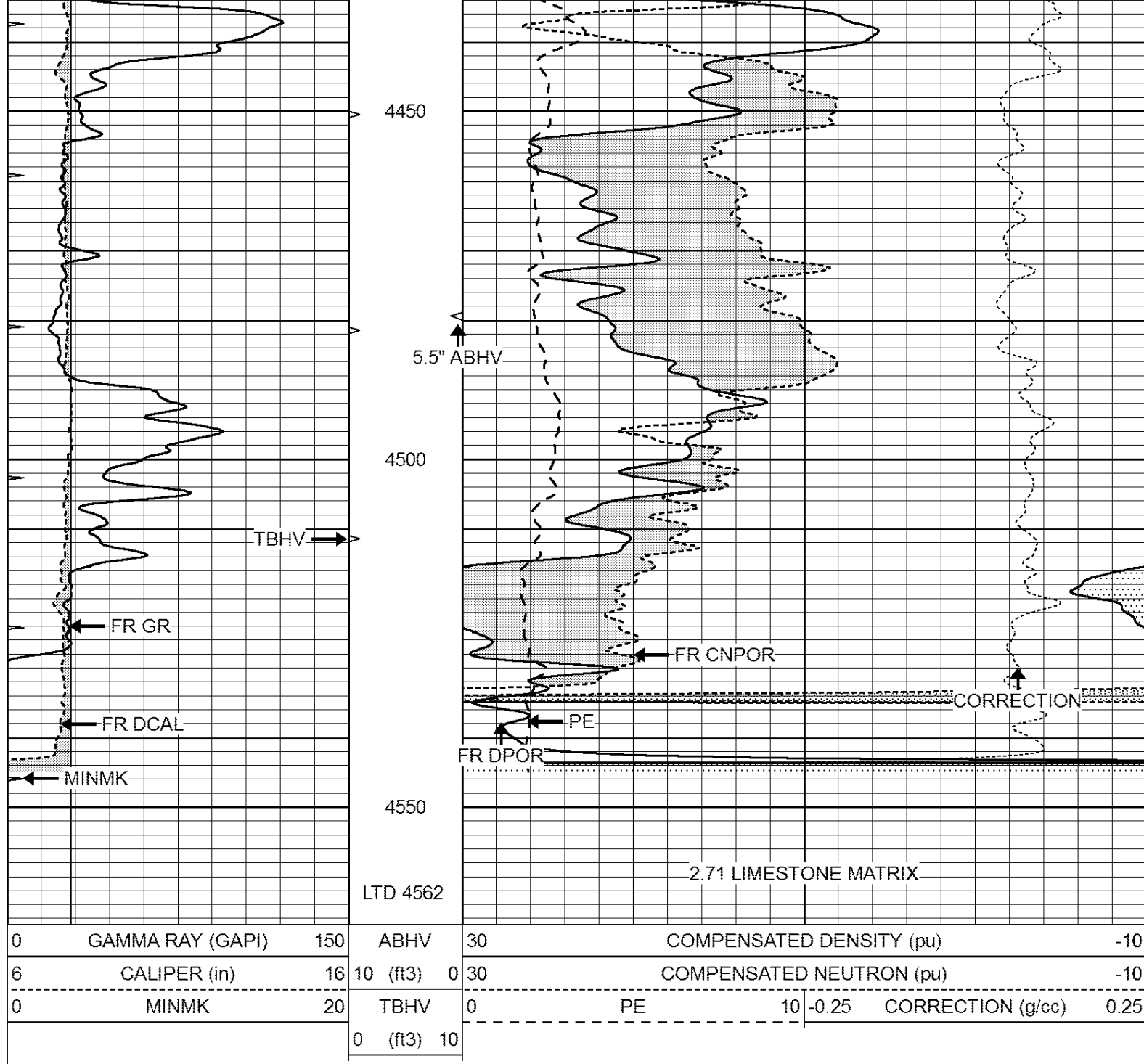
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4300

4350

4400



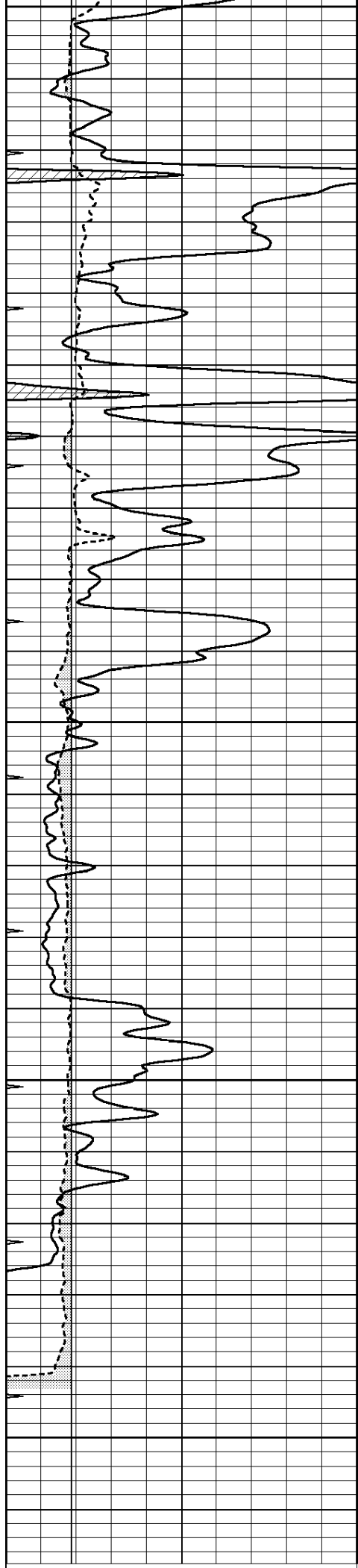


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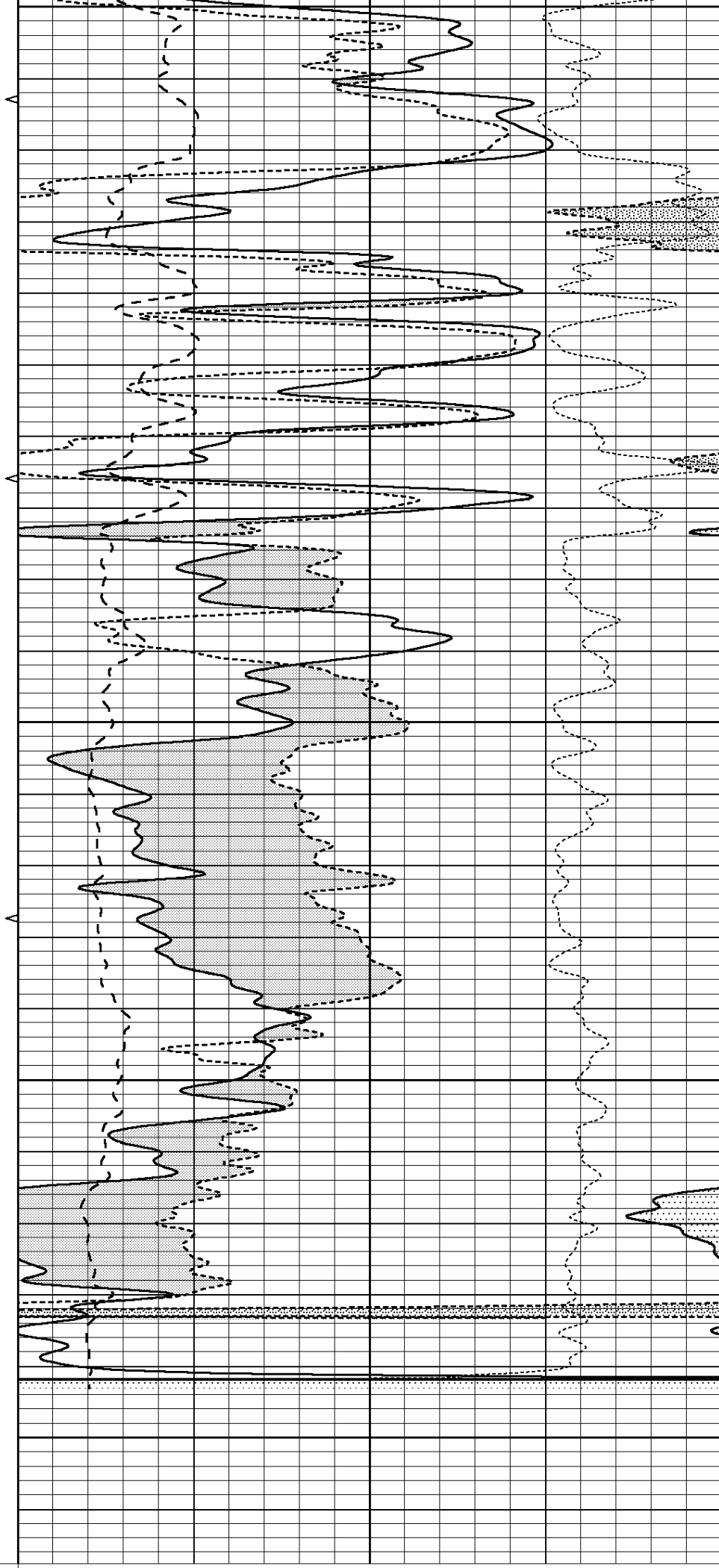
REPEAT SECTION

Database File: 408626pe.db
Dataset Pathname: pass2.3
Presentation Format: ldt_neu
Dataset Creation: Tue Apr 17 10:06:28 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	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10
			0 (ft3)	10	-0.25	CORRECTION (g/cc)
					0.25	



4350
4400
4450
4500
4550



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

Calibration Report									
Database File:		408626pe.db							
Dataset Pathname:		pass3.6							
Dataset Creation:		Tue Apr 17 09:51:53 2012 by Calc Open-Cased 110302							
Dual Induction Calibration Report									
Serial-Model: Performed:				DIL3-GEAR Tue Apr 17 08:21:26 2012					

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:	Mon Apr 16 22:08:41 2012		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	