



SUPERIOR
Hays,
Kansas

COMPENSATED
DENSITY / NEUTRON
PE LOG

MULL DRILLING COMPANY, INC.

BECKER #1-27

WHITNEY WEST

GOVE

KANSAS

Company MULL DRILLING COMPANY, INC.

Well BECKER #1-27

Field WHITNEY WEST

County GOVE State KANSAS

Location: API # : 15-063-21901-0000

990' FNL & 579' FEL
W/2 - SE - NE - NE

SEC 27 TWP 15S RGE 27

Permanent Datum GROUND LEVEL Elevation 2488
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC

Elevation

K.B. 2496
D.F. 2494
G.L. 2488

Date 6/30/11

Run Number ONE

Depth Driller 4450

Depth Logger 4451

Bottom Logged Interval 4427

Top Log Interval 3500

Casing Driller 8 5/8" @ 226'

Casing Logger 226

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3/45

pH / Fluid Loss 8.5/12.4

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.00 @ 100F

Rmt @ Meas. Temp .750 @ 100F

Rmc @ Meas. Temp 1.20 @ 100F

Source of Rmt / Rmc MEASUREMENT

Rm @ BHT .833 @ 120F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 7:45 P.M.

Maximum Recorded Temperature 120F

Equipment Number 4010

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By BOB STOLZLE

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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

PENDENNIS, KS. (E. SIDE ON HWY 4) 6 1/2N. ON "RED CHIEF RD.", TO " RD. C", 1 1/2E., TAKE CURVE
S. THEN W. INTO

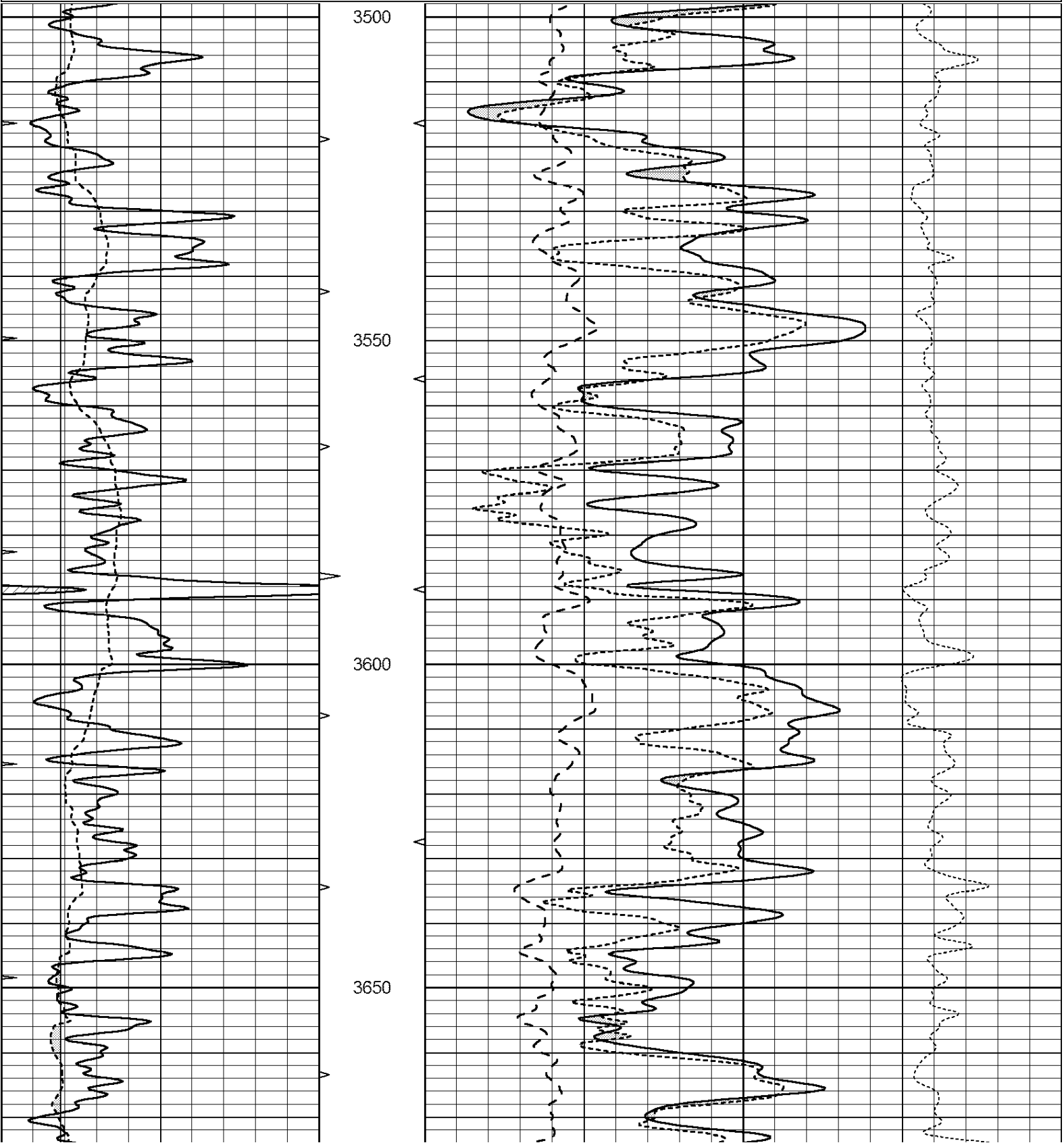


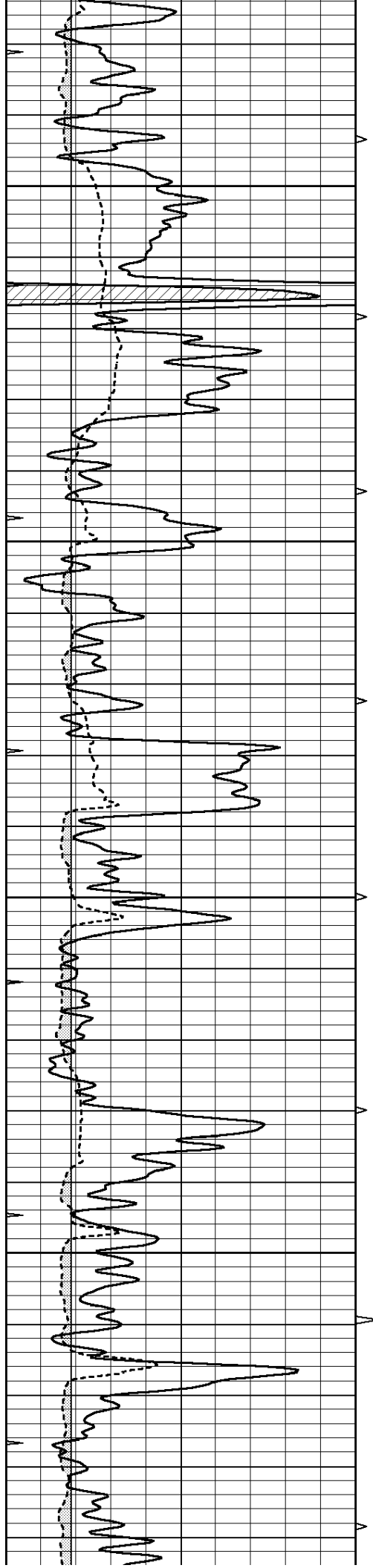
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MAIN SECTION

Database File: 007080pe.db
Dataset Pathname: pass3.6
Presentation Format: ldt_neu
Dataset Creation: Thu Jun 30 21:09:11 2011 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		



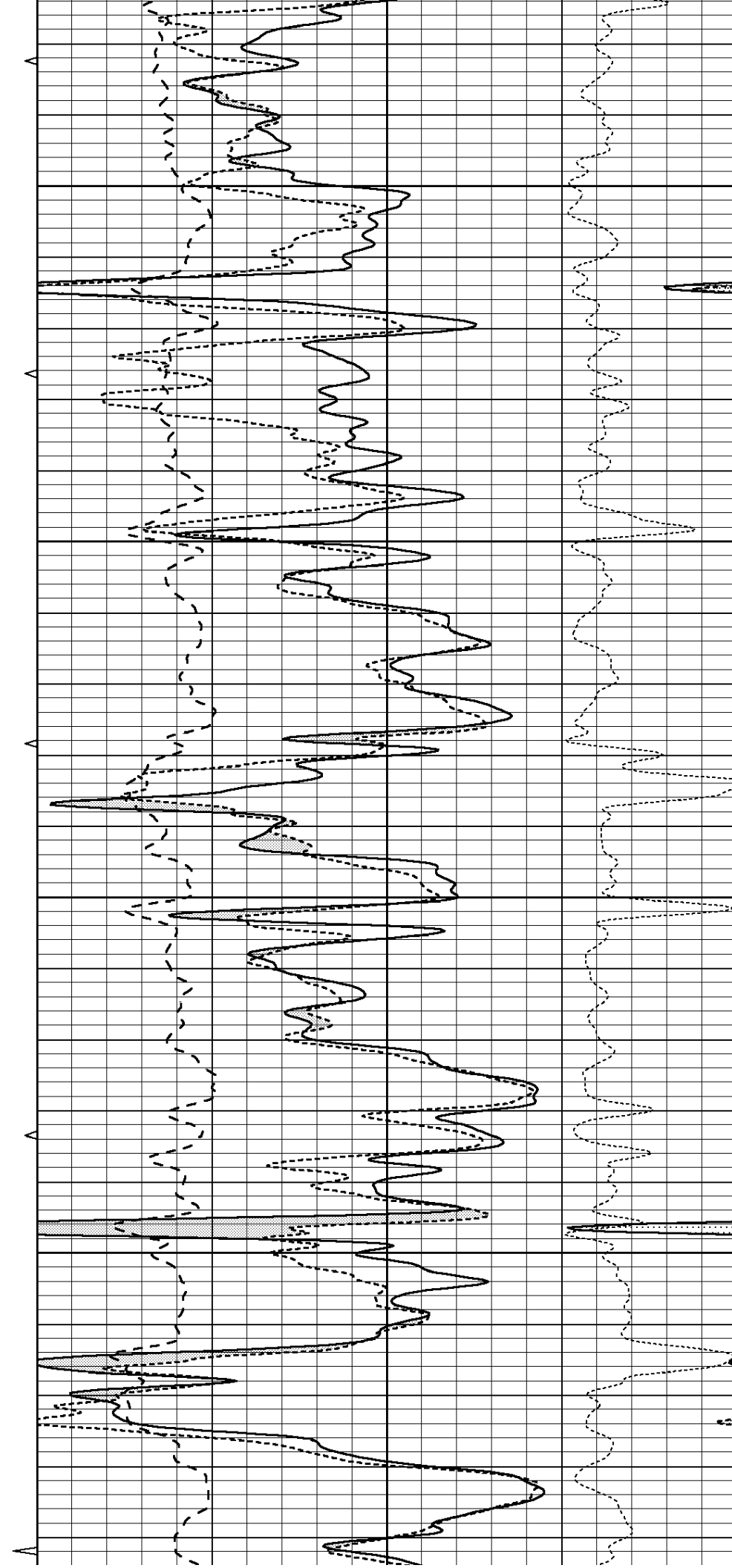


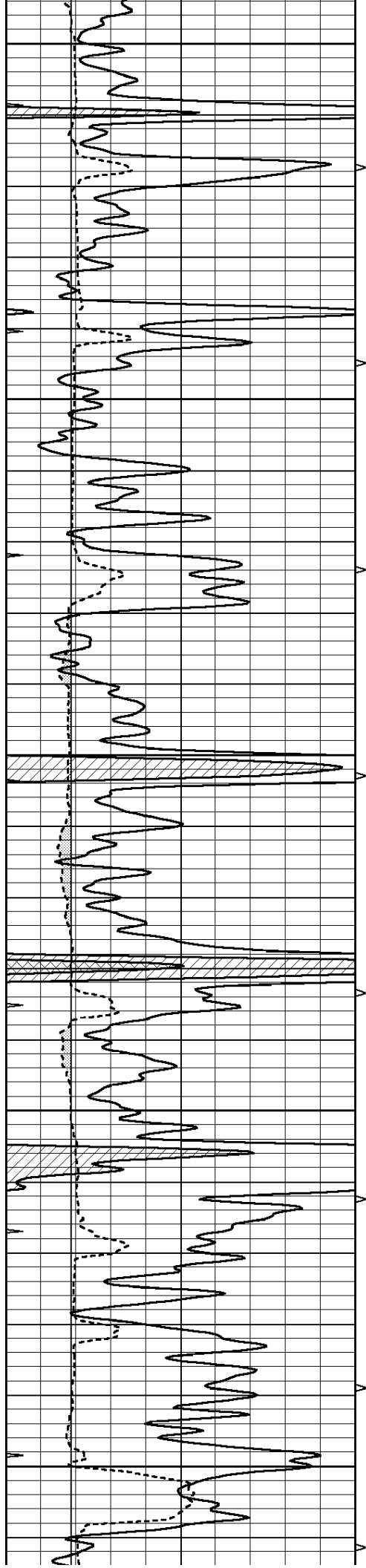
3700

3750

3800

3850





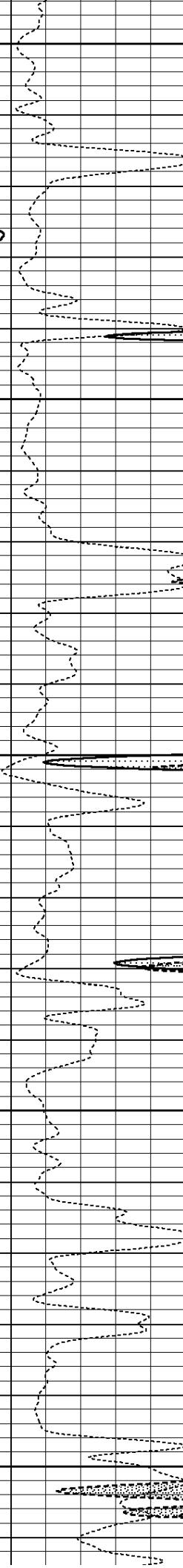
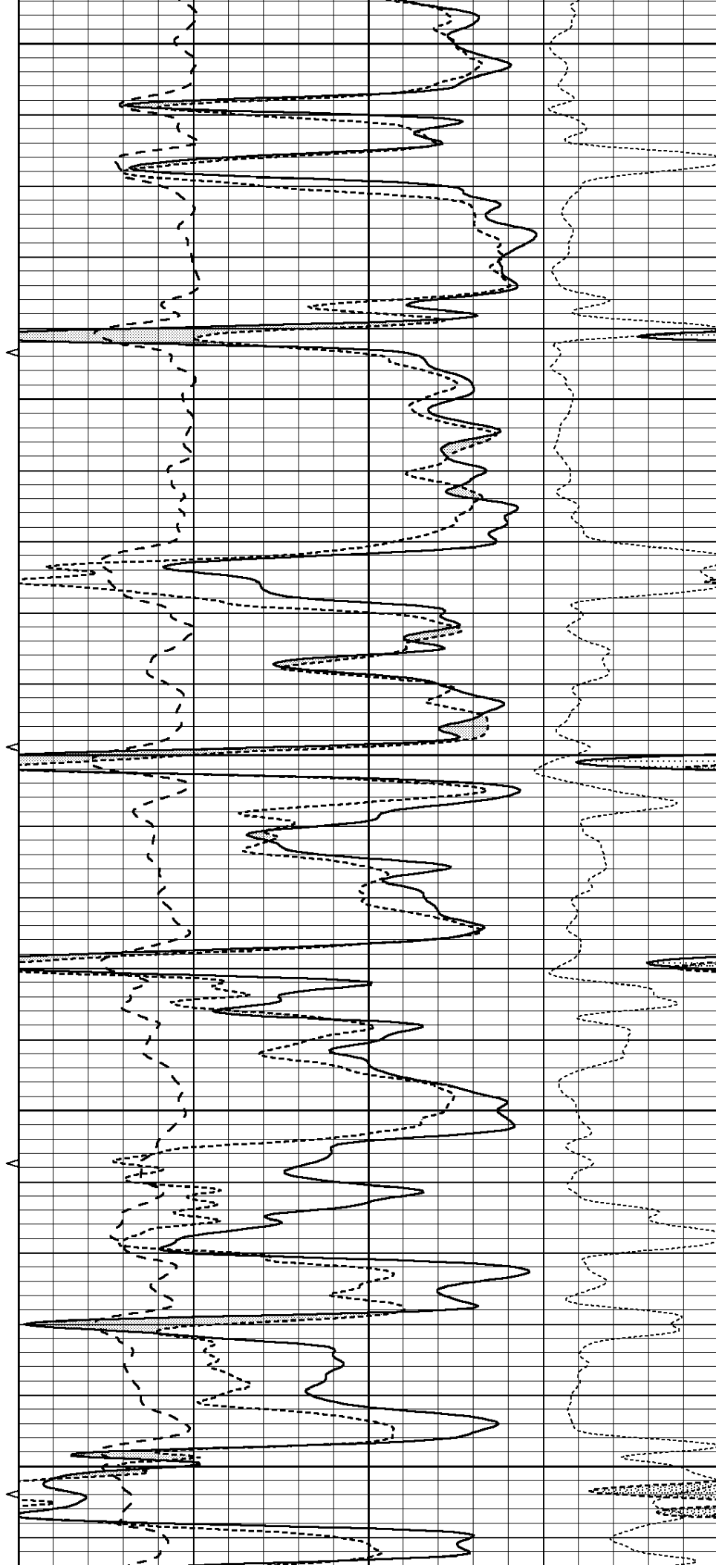
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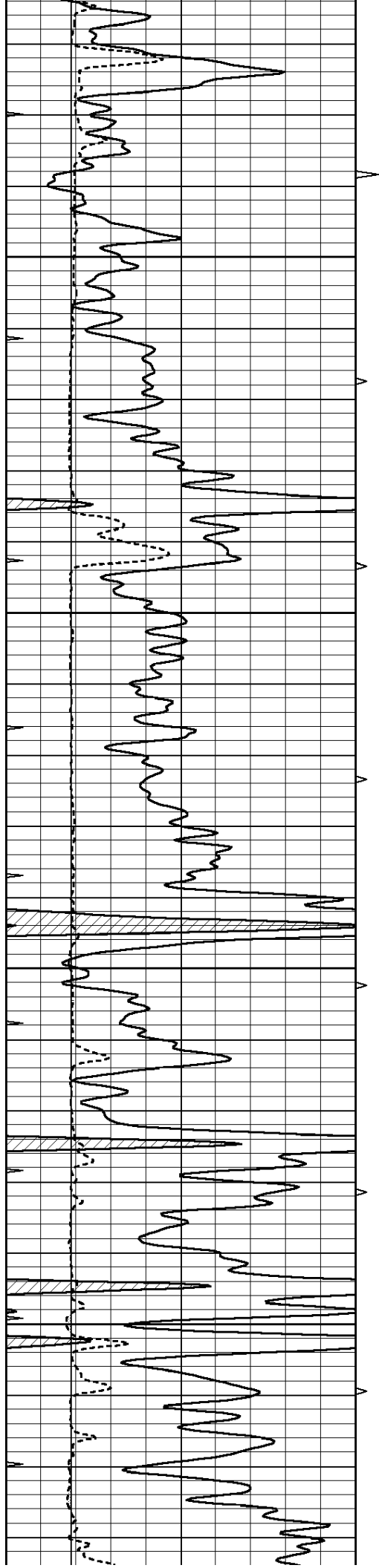
3950

4000

4050

4100



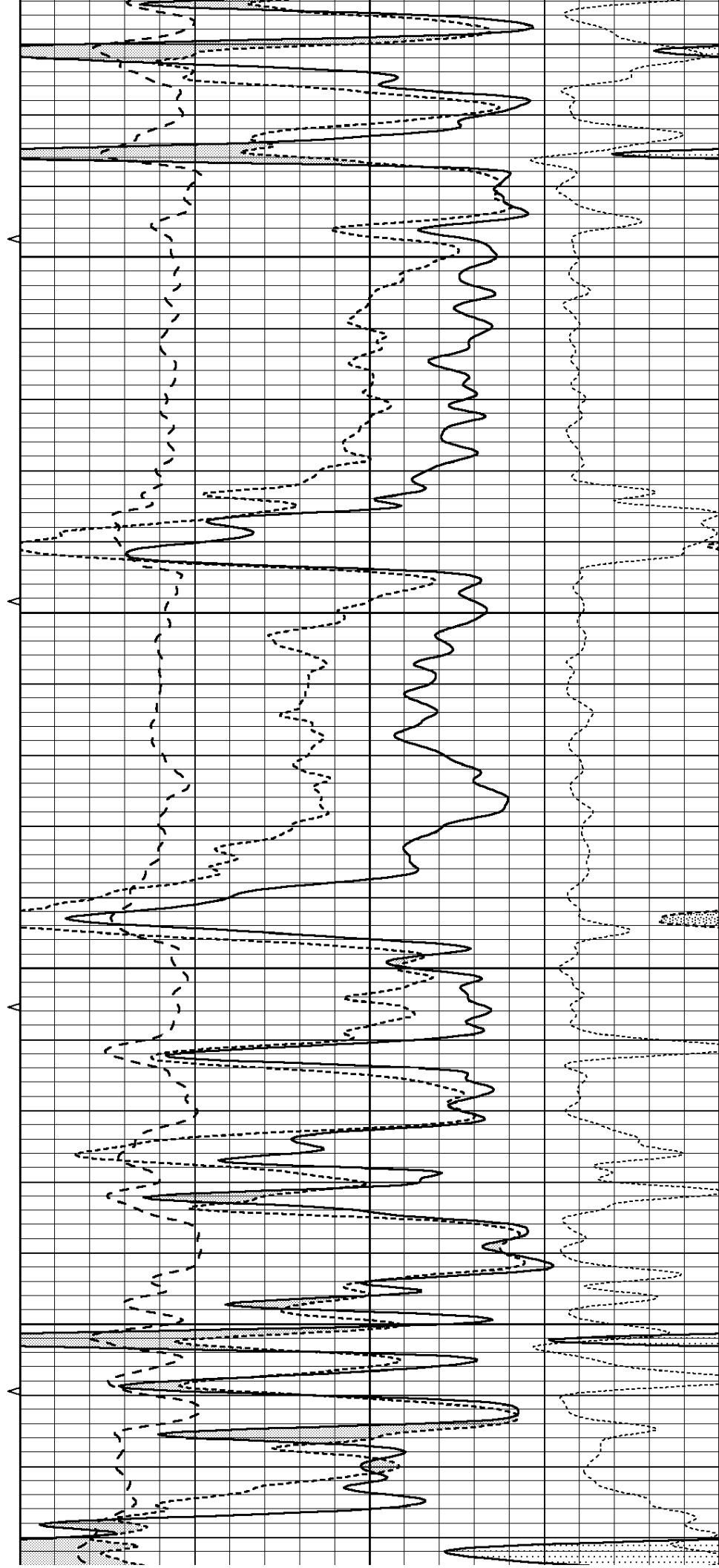


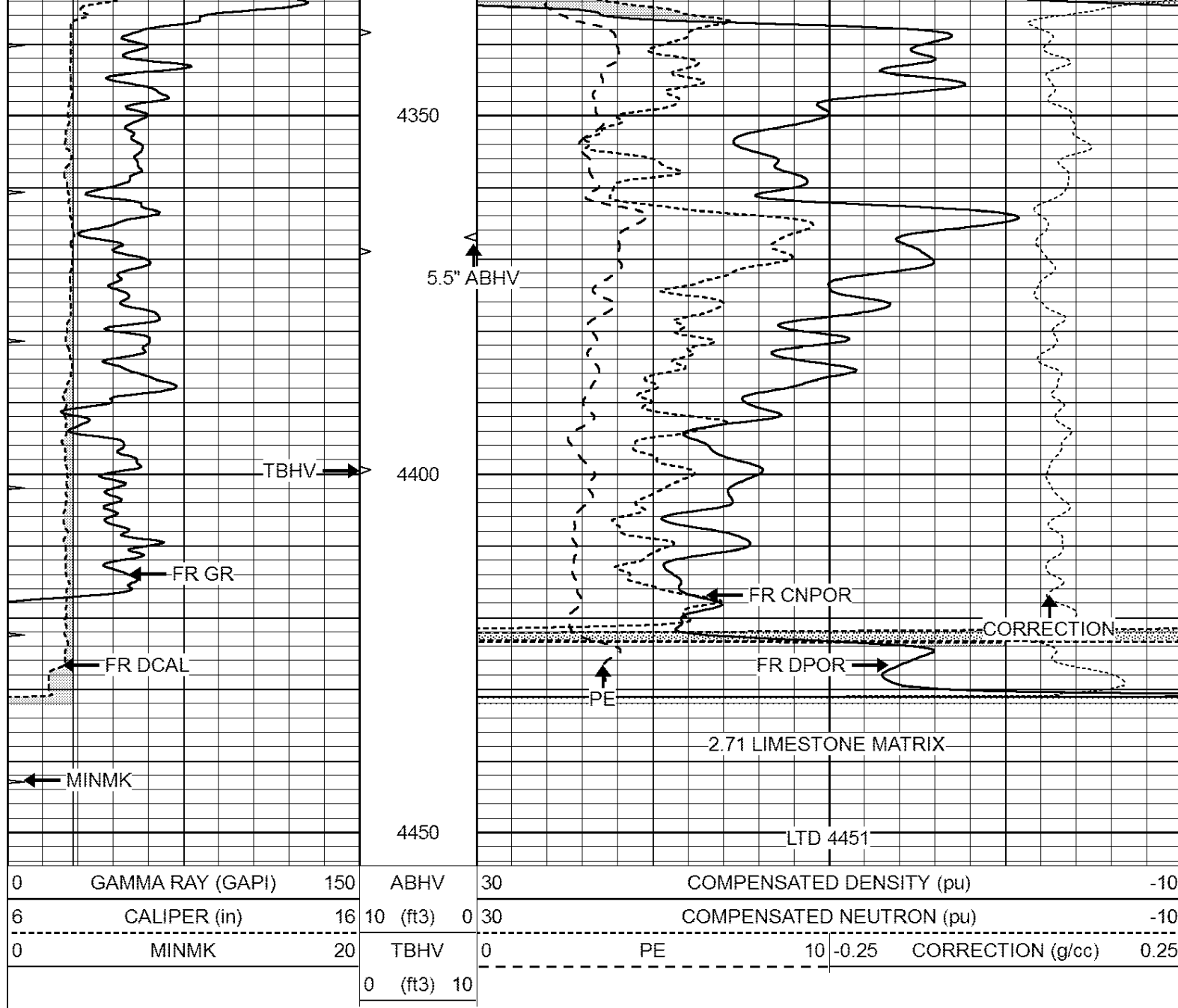
4150

4200

4250

4300

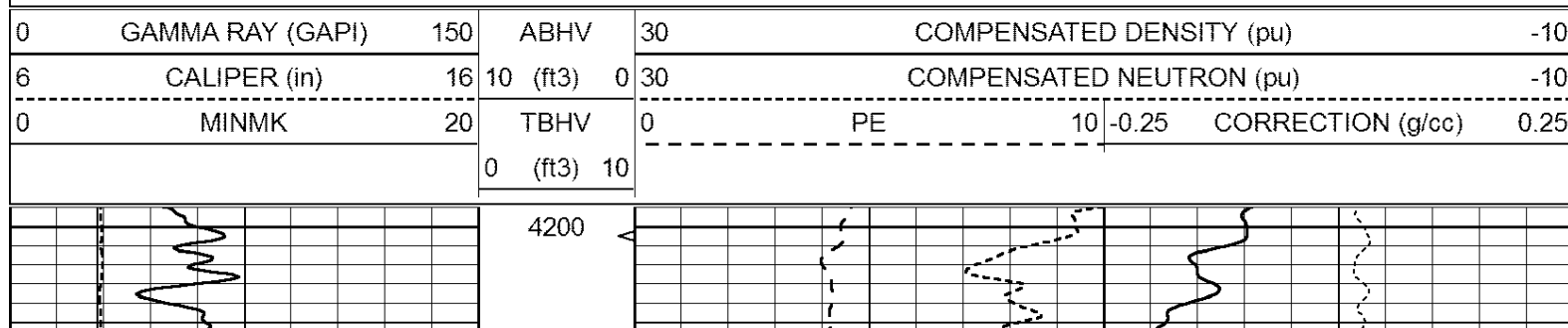


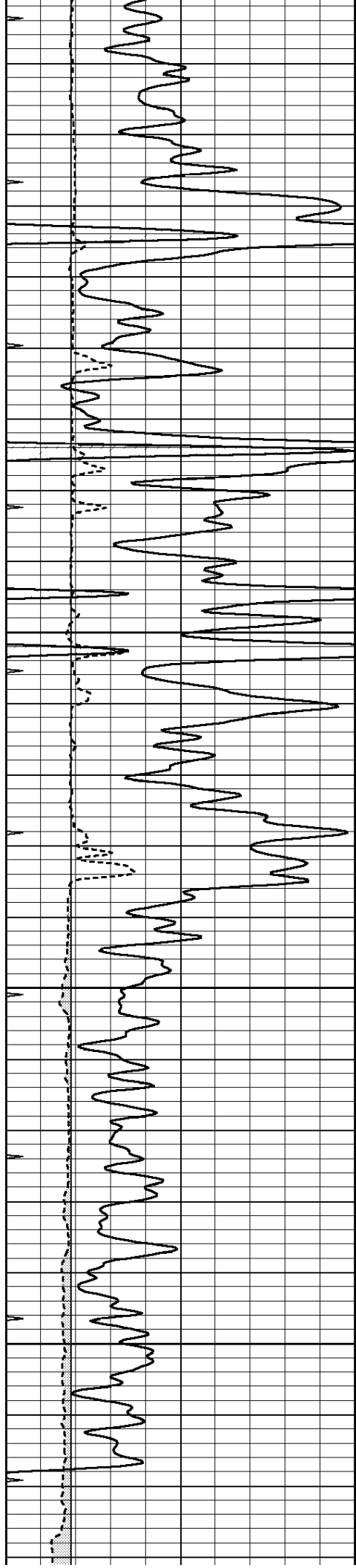


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REPEAT SECTION

Database File: 007080pe.db
 Dataset Pathname: pass2.10
 Presentation Format: ldt_neu
 Dataset Creation: Thu Jun 30 20:54:23 2011 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240



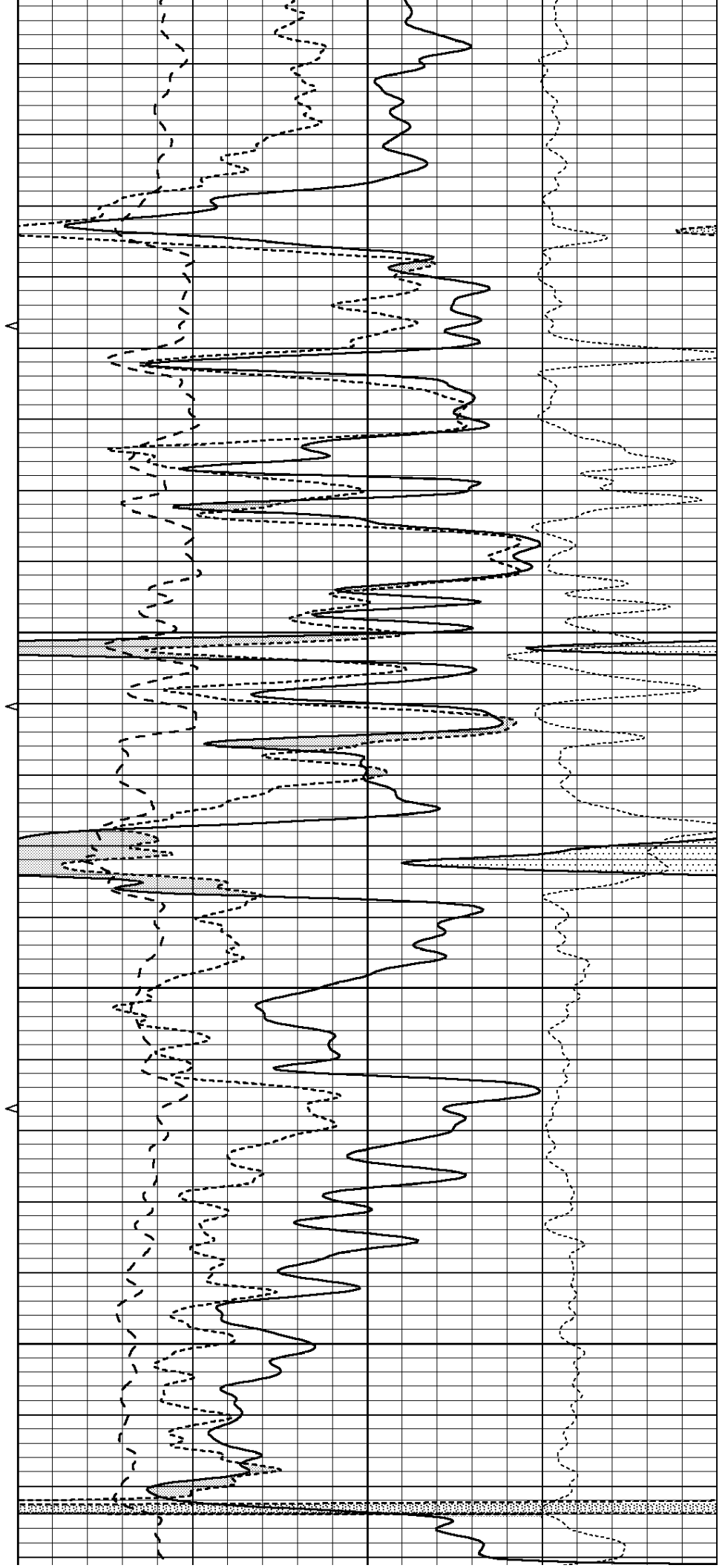


4250

4300

4350

4400



			4450													
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	10	PE	10	-0.25	CORRECTION (g/cc)					0.25		
			0 (ft3)	10												

CALIBRATION						
Detector		Readings		Target	Normalization	
Short Space		996.00	cps	1000.00	cps	1.0000
Long Space		977.00	cps	1000.00	cps	1.0000
Gamma Ray Calibration Report						
Serial Number:		GR4				
Tool Model:		OPEN				
Performed:		Thu Jun 30 19:59:14 2011				
Calibrator Value:		200.0	GAPI			
Background Reading:		0.0	cps			
Calibrator Reading:		189.0	cps			
Sensitivity:		5.0000	GAPI/cps			