



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**COMPENSATED
DENSITY / NEUTRON
PE LOG**

Company		VINCENT OIL CORPORATION	
Well	FREY #1-5		
Field	WILDCAT		
County	FORD	State	KANSAS
Location:	API # : 15-057-20928-0000 2100' FSL & 670' FWL SW - NE - NW - SW SEC 5 TWP 28S RGE 23W		Other Services DIL/MEL SONIC
Permanent Datum	GROUND LEVEL	Elevation	2491
Log Measured From	KELLY BUSHING 12' A.G.L.		K.B. 2503
Drilling Measured From	KELLY BUSHING		D.F. 2501
			G.L. 2491
Date	3/31/14		
Run Number	ONE		
Depth Driller	5251		
Depth Logger	5254		
Bottom Logged Interval	5230		
Top Log Interval	4100		
Casing Driller	8 5/8" @ 644'		
Casing Logger	644		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	10,500 PPM
Density / Viscosity	9.4/74		
pH / Fluid Loss	10.5/11.2		
Source of Sample	FLOWLINE		
Rim @ Meas. Temp	.400 @ 70F		
Rmf @ Meas. Temp	.300 @ 70F		
Rmc @ Meas. Temp	.480 @ 70F		
Source of Rmf / Rmc	MEASUREMENT		
Rim @ BHT	.220 @ 127F		
Time Circulation Stopped	3 HOURS		
Time Logger on Bottom	7:30 A.M.		
Maximum Recorded Temperature	127F		
Equipment Number	4854		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM HALL		

<<< Fold Here >>>

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 "NABORS" HAYS, KANSAS (785) 628-6395
DIRECTIONS

FORD, KS., 5W. ON "SADDLE RD." TO "RD. 120", 1S., 1W., N. INTO ON W. SIDE OF OLD FARM, FOLLOW FENCE, N. THEN E. INTO



NABORS

**COMPLETION
& PRODUCTION**

MAIN SECTION

Database File:

23800pe.db

Dataset Pathname:

pass3.4

Presentation Format:

ldt_neu

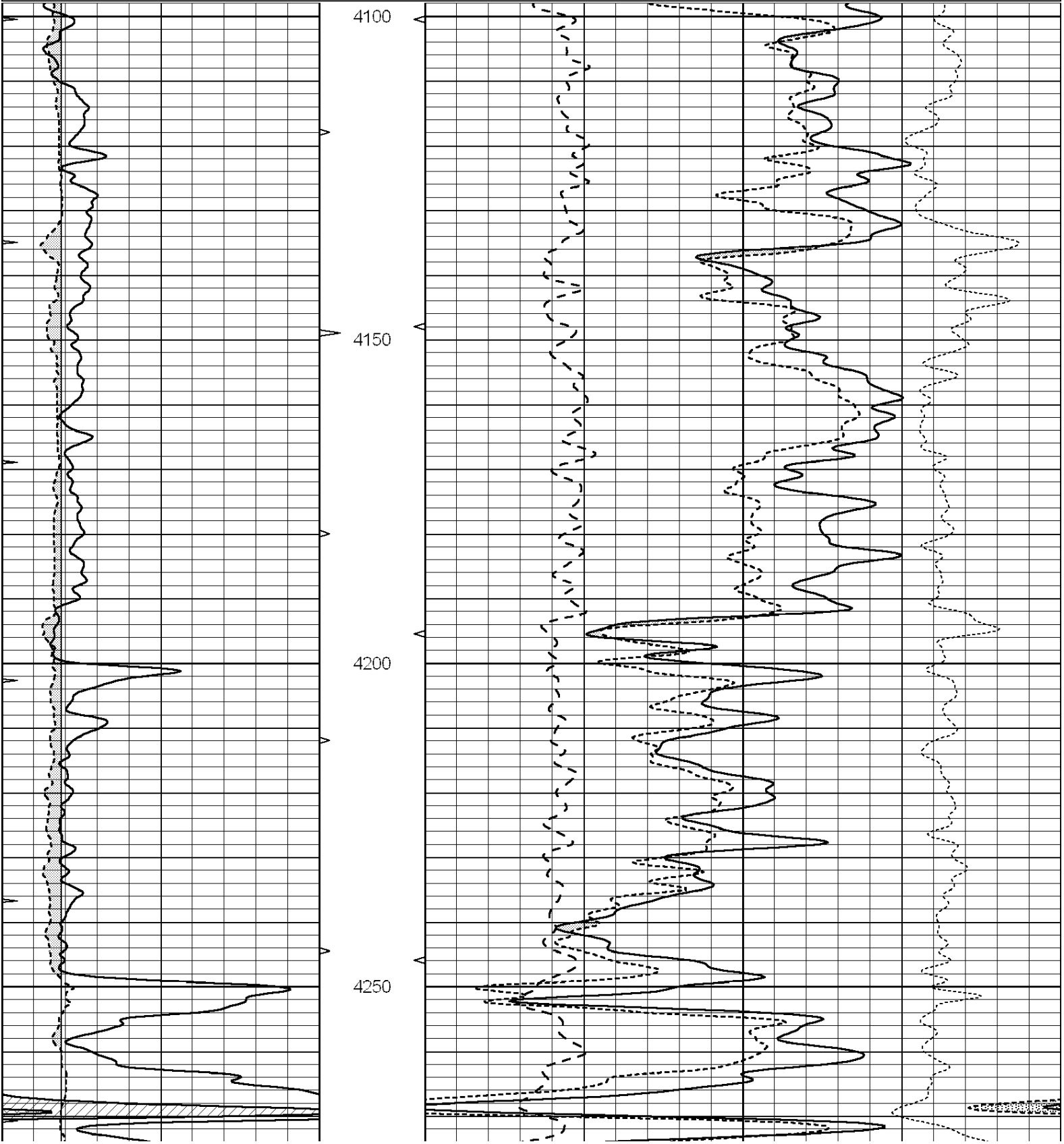
Dataset Creation:

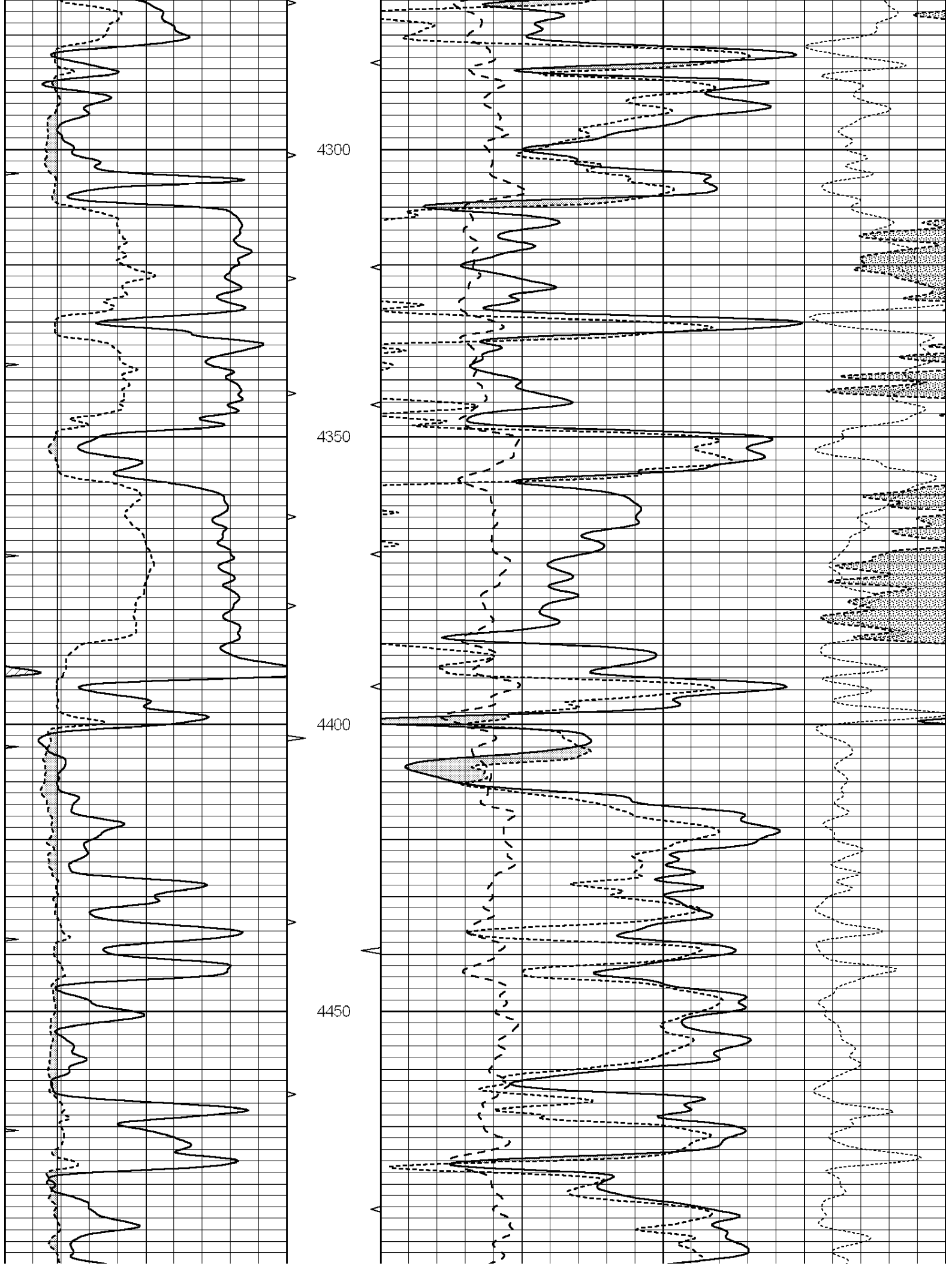
Mon Mar 31 09:40:48 2014

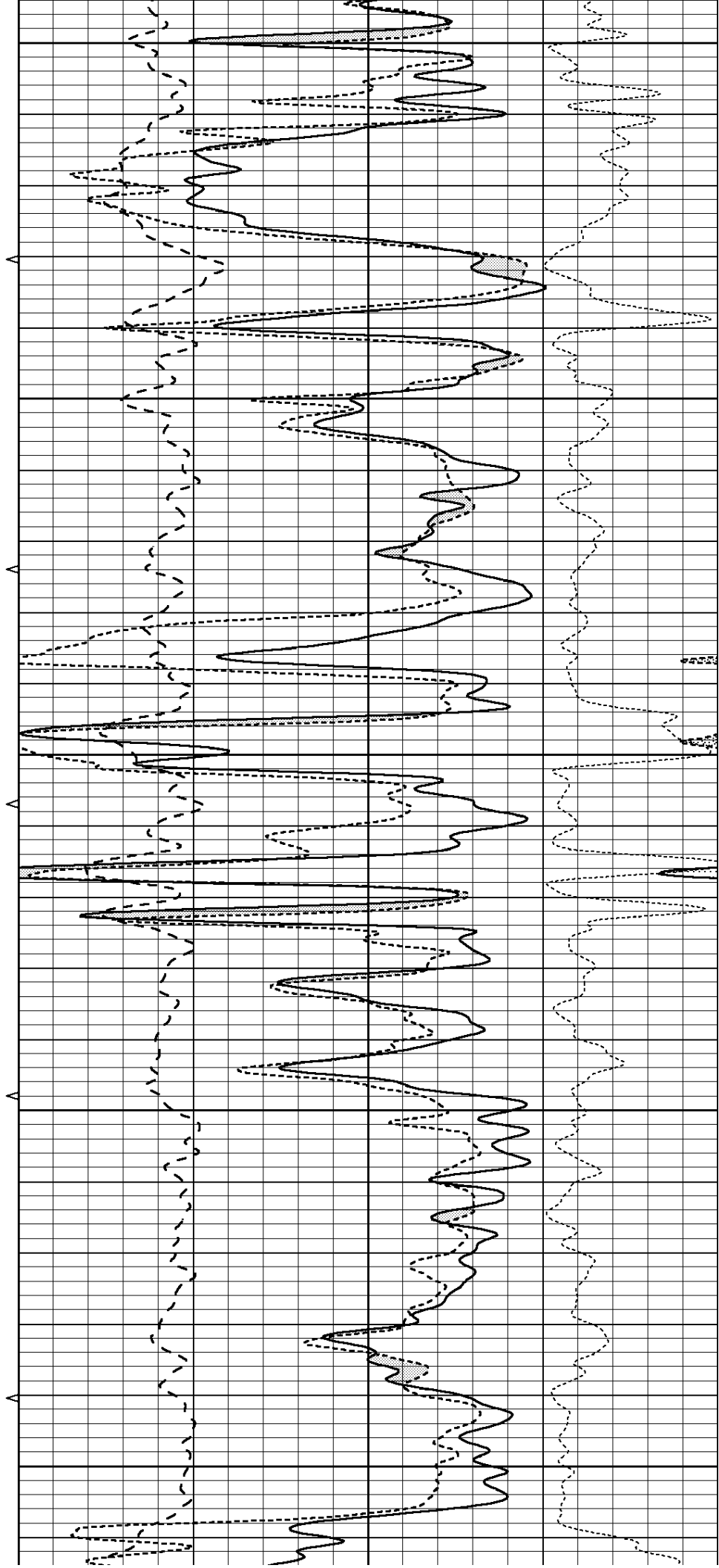
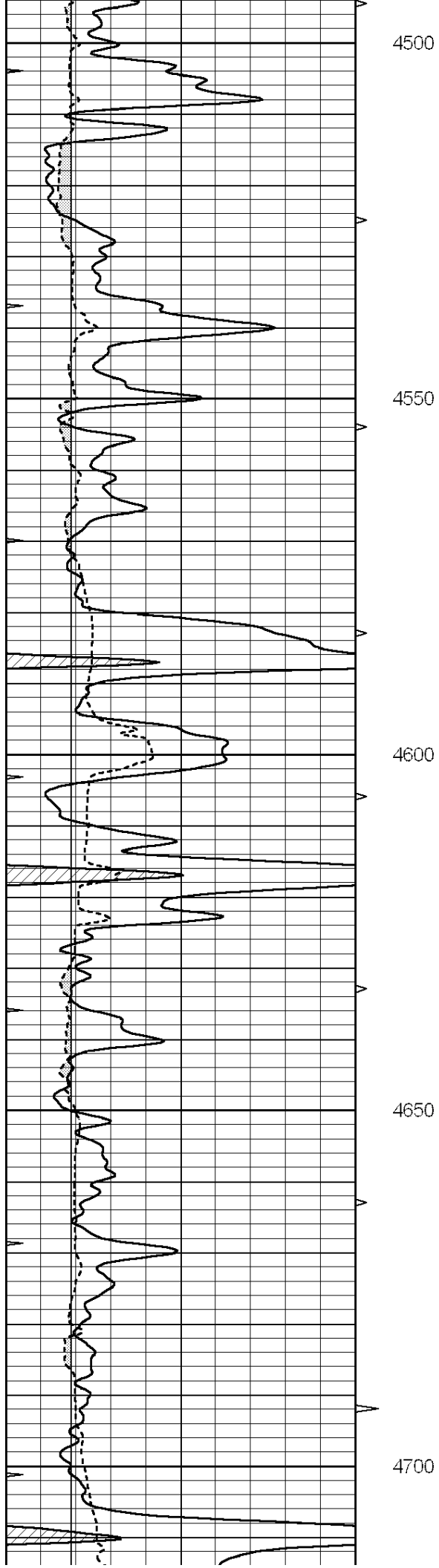
Charted by:

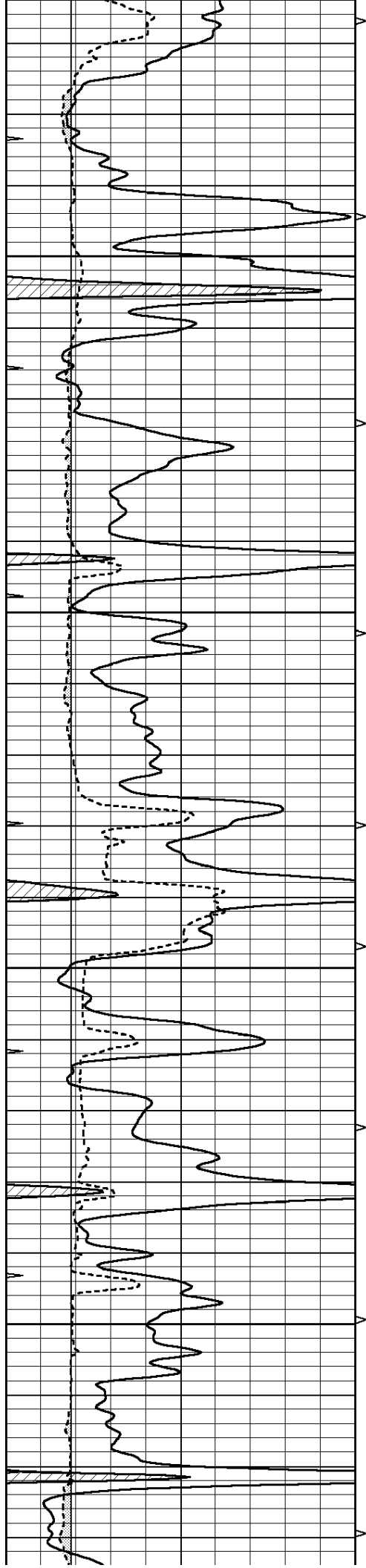
Depth in Feet scaled 1:240

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	







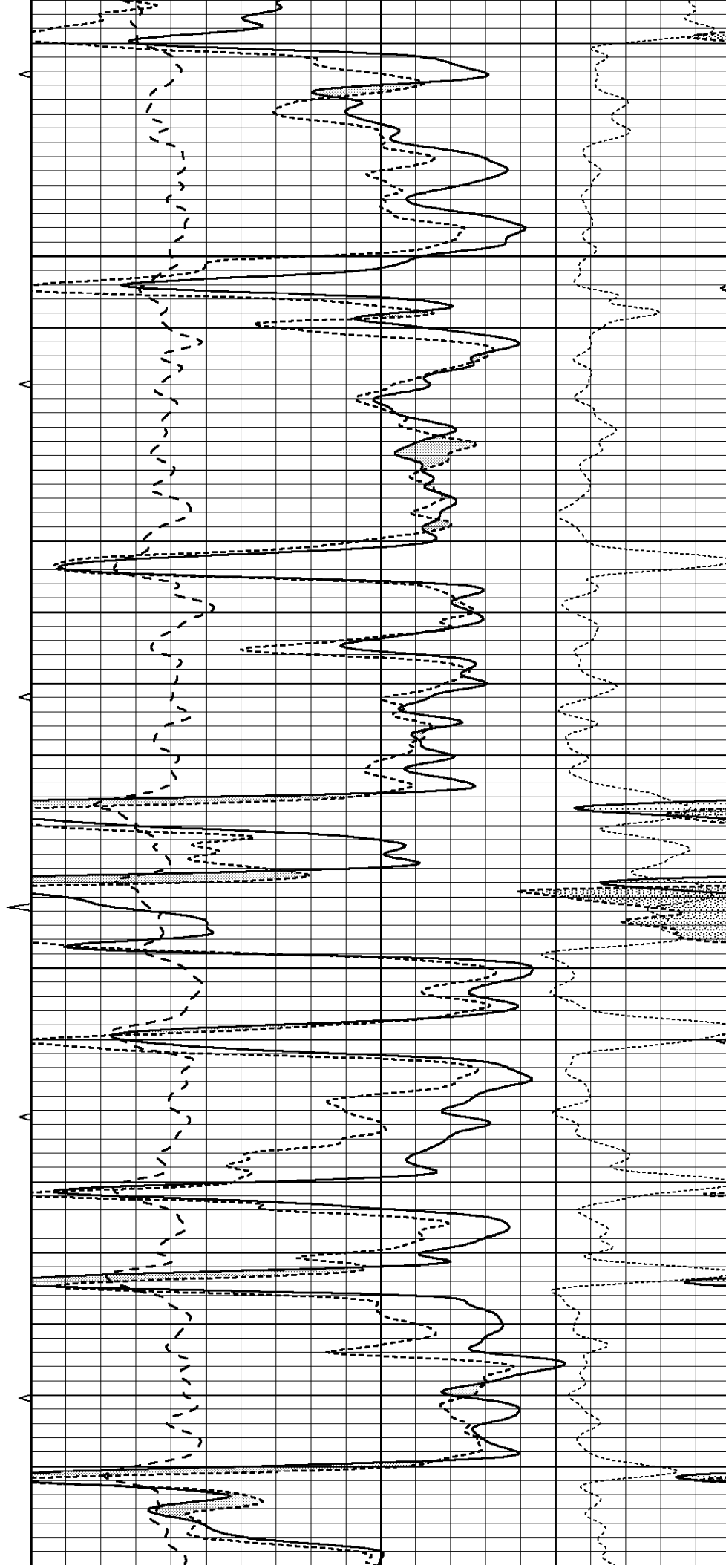


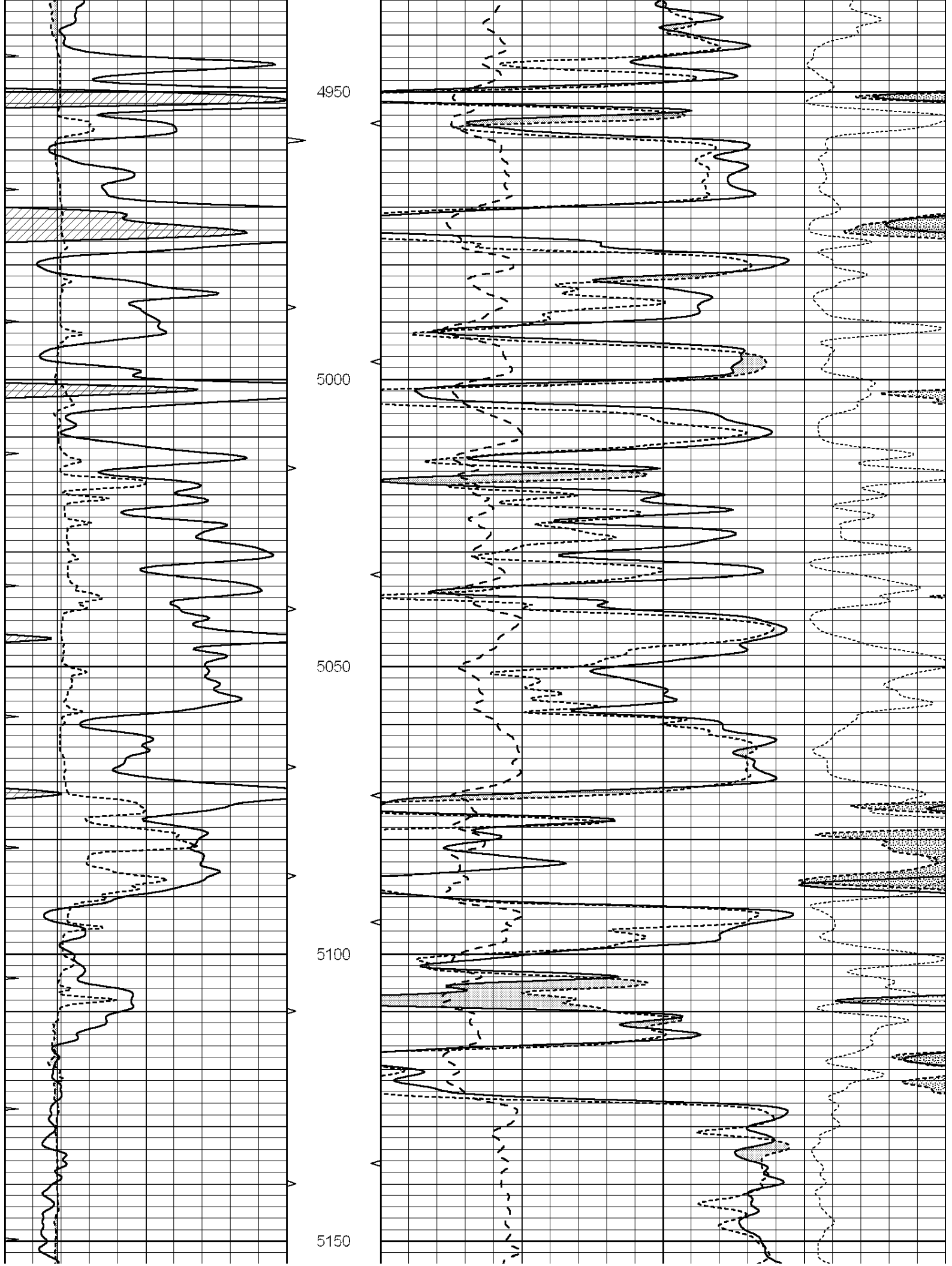
4750

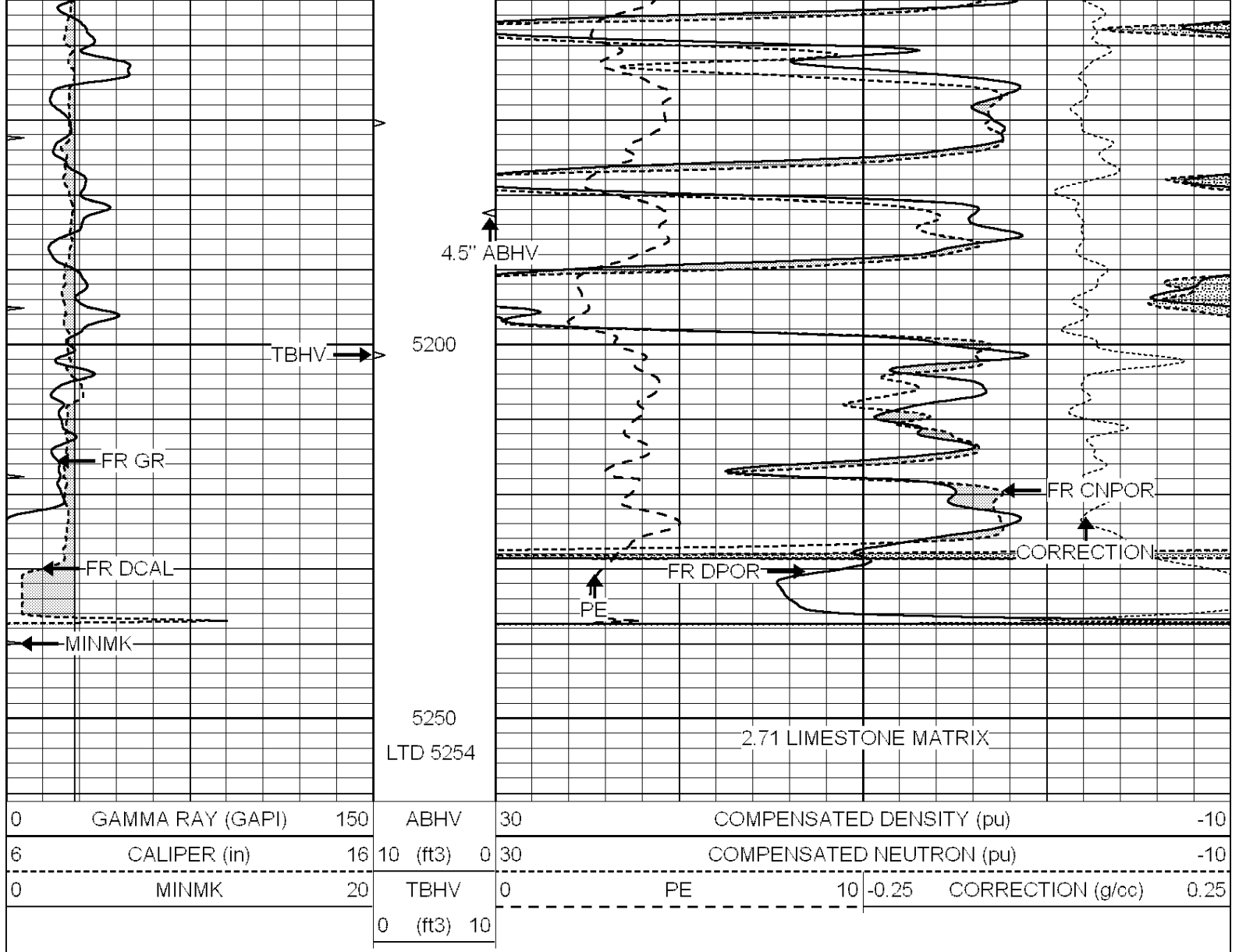
4800

4850

4900

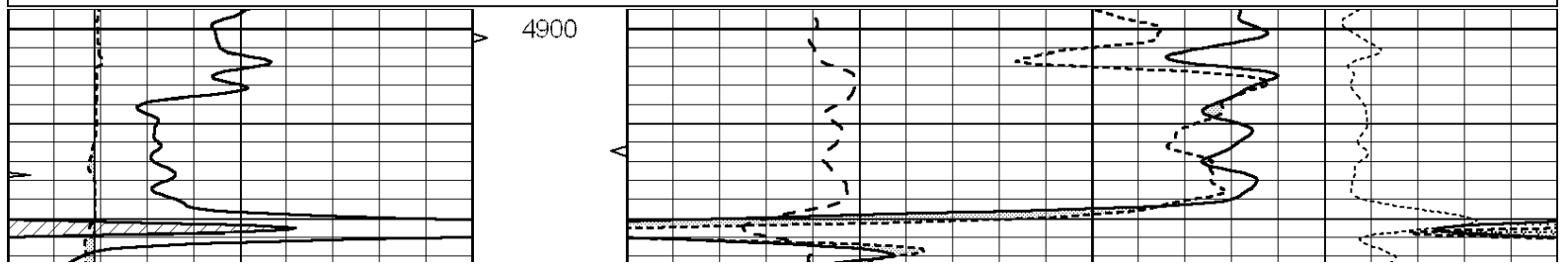
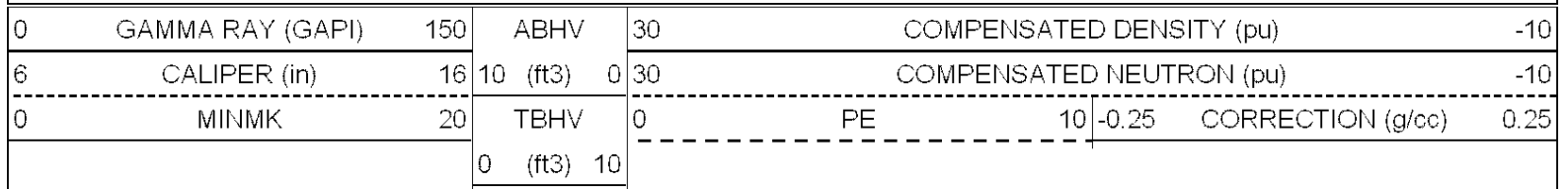


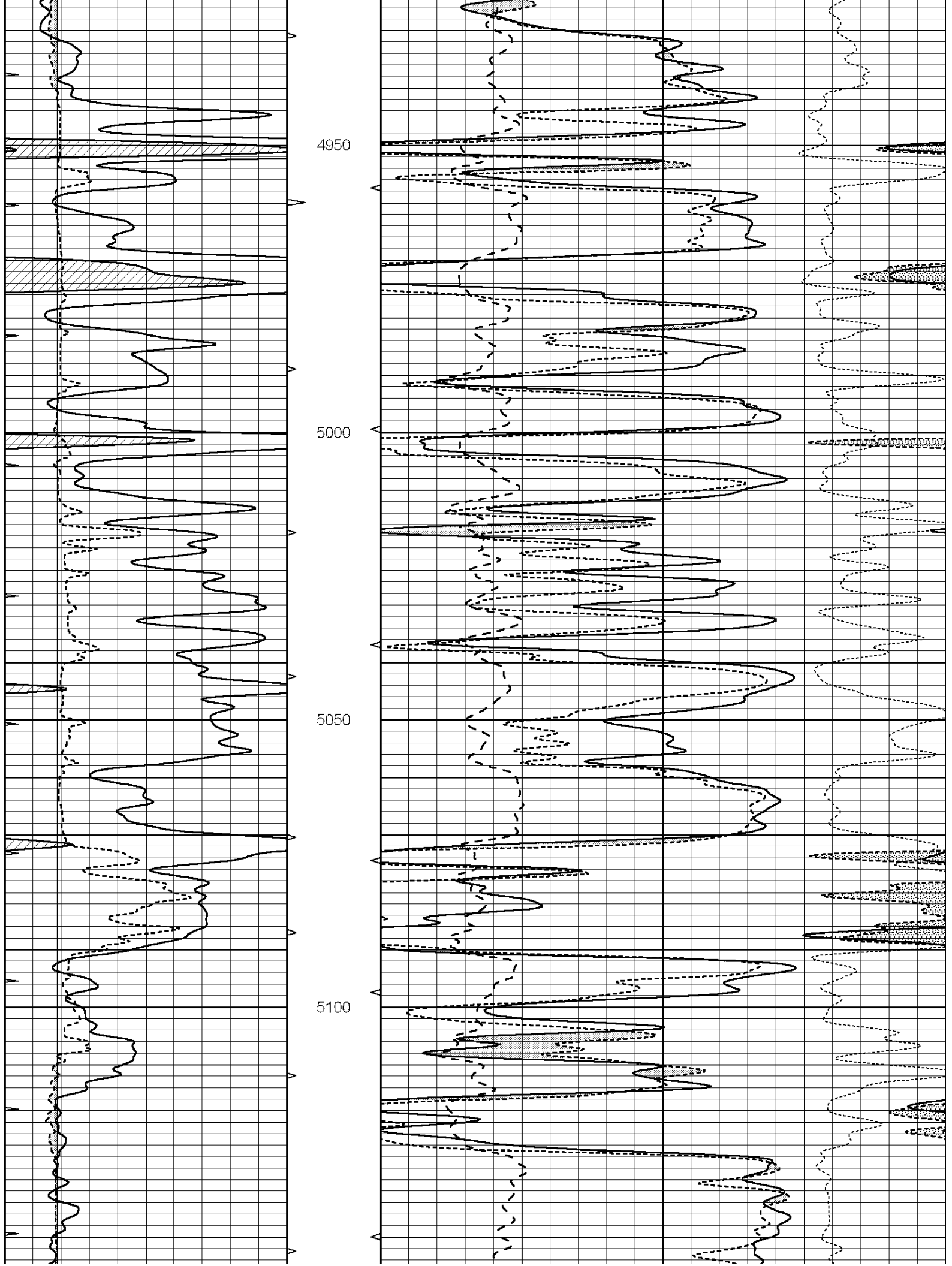


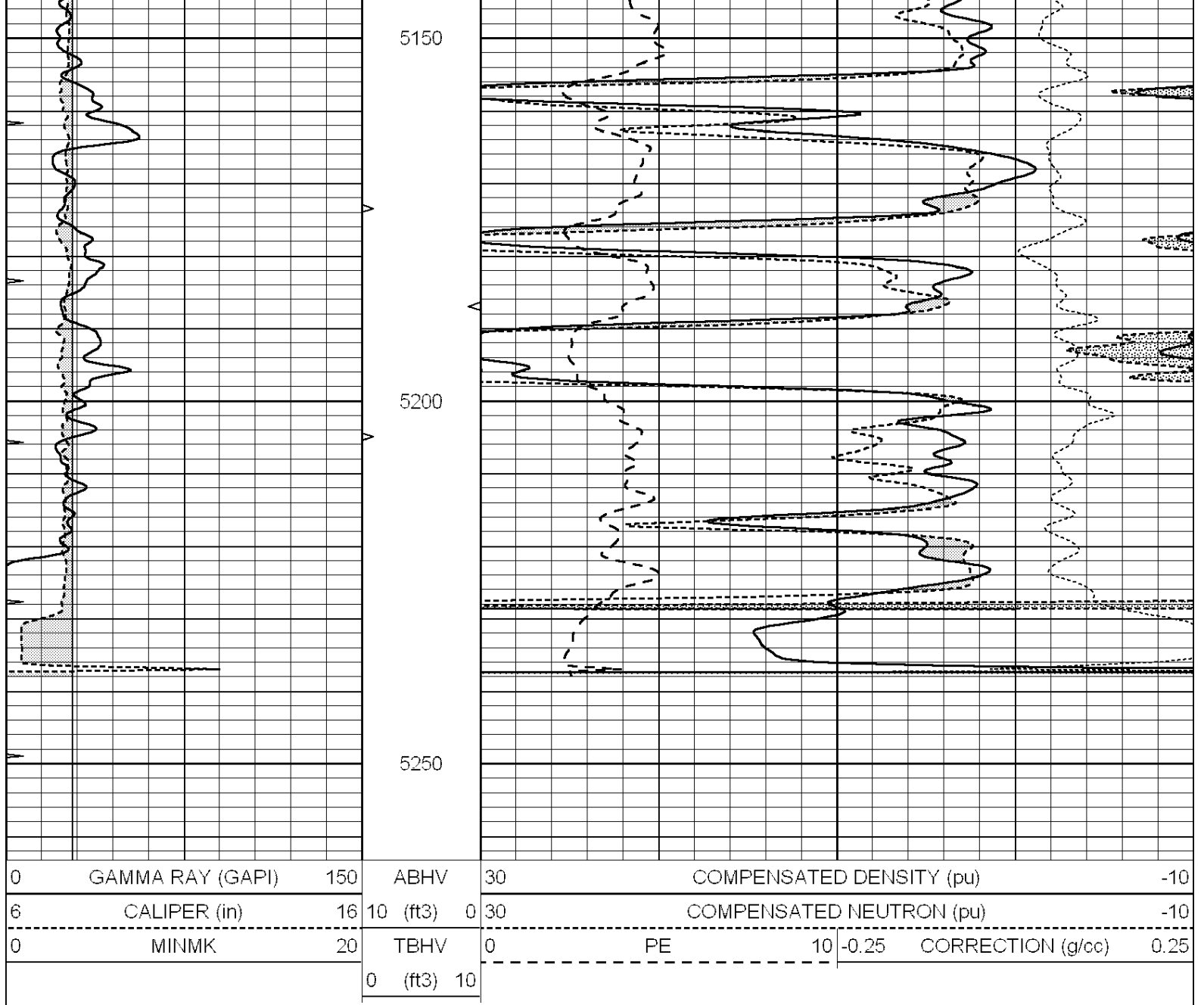


REPEAT SECTION

Database File: 23800pe.db
 Dataset Pathname: pass2.8
 Presentation Format: ldt_neu
 Dataset Creation: Mon Mar 31 09:56:00 2014
 Charted by: Depth in Feet scaled 1:240







Calibration Report

Database File: 23800pe.db
 Dataset Pathname: pass3.4
 Dataset Creation: Mon Mar 31 09:40:48 2014

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Mon Mar 31 07:45:01 2014
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	650.000	-15.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	660.000	-28.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.035	0.712	V	0.000	464.000	mmho/m	655.877	-2.100

Medium	0.003	0.712	V	0.000	484.000	mmho/m	655.677	-3.102
Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
Medium	0.000	0.000	mmho/m	0.000	0.000	mmho/m	0.000	0.000
LL3		1.000	Ohm-m		1.000	Ohm-m		
		0.000	Ohm-m		0.000	Ohm-m		
		1.000	mmho-m		1.000	mmho-m		

Litho Density Calibration Report								
Serial: 004N Model: PRB								

Master Calibration			Performed Mon Jun 03 09:36:56 2013					
	Background	Magnesium	Aluminum	Sandstone				
Window 1	1417.6	10391.4	3464.6	11537.5				cps
Window 2	1295.0	8959.7	3050.1	9816.4				cps
Window 3	1105.1	5464.2	2051.0	5838.8				cps
Window 4	315.0	317.7	312.9	319.8				cps
Long Space	0.0	7664.6	1755.0	8521.3				cps
Short Space	1.8	1582.4	1040.8	1699.4				cps
Rho		1.7100	2.5900	1.3800				g/cc
Pe		0.0000	2.5700	1.5500				
Rib Angle	: 44.1	Rib Slope	: 0.970	Density/Spine Ratio				: 0.574
Spine Angle	: 74.1	Spine Slope	: 3.519	Spine Intercept				: -17.0

Before Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho		0.0000	0.0000	0.0000				g/cc
Measured Correction		0.0000	0.0000	0.0000				g/cc
Measured Pe			0.0000	0.0000				

After Survey Verification			Performed Wed Dec 31 18:00:00 1969					
Window 1	0.0	0.0	0.0	0.0				cps
Window 2	0.0	0.0	0.0	0.0				cps
Window 3	0.0	0.0	0.0	0.0				cps
Window 4	0.0	0.0	0.0	0.0				cps
Long Space	0.0	0.0	0.0	0.0				cps
Short Space	0.0	0.0	0.0	0.0				cps
Measured Rho		0.0000	0.0000	0.0000				g/cc

Measured Correction	0.0000	0.0000	0.0000	g/cc
Measured Pe		0.0000	0.0000	
Compensated Neutron Calibration Report				
Serial Number:		070808		
Tool Model:		Probe		
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:	070558			
Tool Model:	OPEN_GR			
Performed:	Mon Mar 24 01:53:40 2014			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.3000	GAPI/cps		