

COMPENSATED
DENSITY/NEUTRON
PE LOG

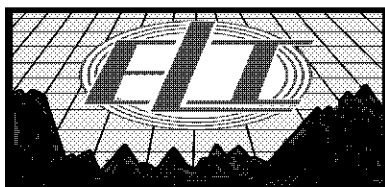
Company	DIXON OPERATING COMPANY, LLC.	
Well	ARDREY #1-35	
Field	ZENITH PEACE CREEK	
County	STAFFORD	State KANSAS
Location:	API # : 15-185-23988-0000	Other Services DIL/MEL SONIC
Permanent Datum	500' FSL & 1080' FEL	Elevation
Log Measured From	GROUND LEVEL	K.B. 1813
Drilling Measured From	KELLY BUSHING 9' A.G.L	D.F. 1811
		G.L. 1804
Date	6/22/17	
Run Number	ONE	
Depth Driller	4000	
Depth Logger	4001	
Bottom Logged Interval	3977	
Top Log Interval	2800	
Casing Driller	8 5/8" @ 306'	
Casing Logger	304'	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 11600 PPM
Density / Viscosity	9.2/68	
pH / Fluid Loss	10.0/12.8	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.35 @ 89F	
Rmf @ Meas. Temp	.26 @ 89F	
Rmc @ Meas. Temp	.42 @ 89F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.27 @ 115F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom		
Maximum Recorded Temperature	115F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	JASON CAPELLUCCI	
Witnessed By	CHUCK SCHMALTZ	

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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

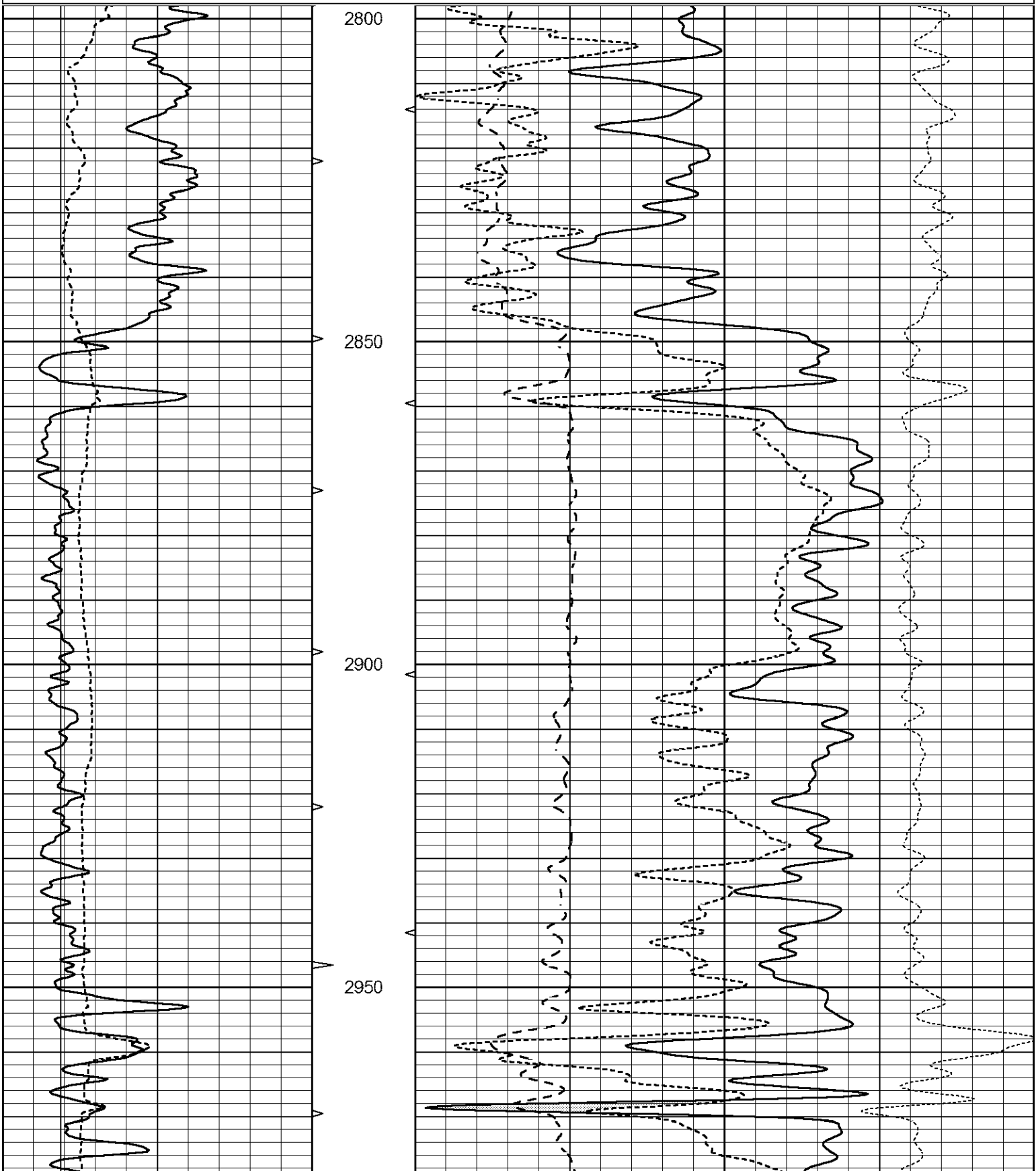
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
ZENITH, KS. - 3 1/8 MILES NORTH ON 140TH RD. - WEST INTO

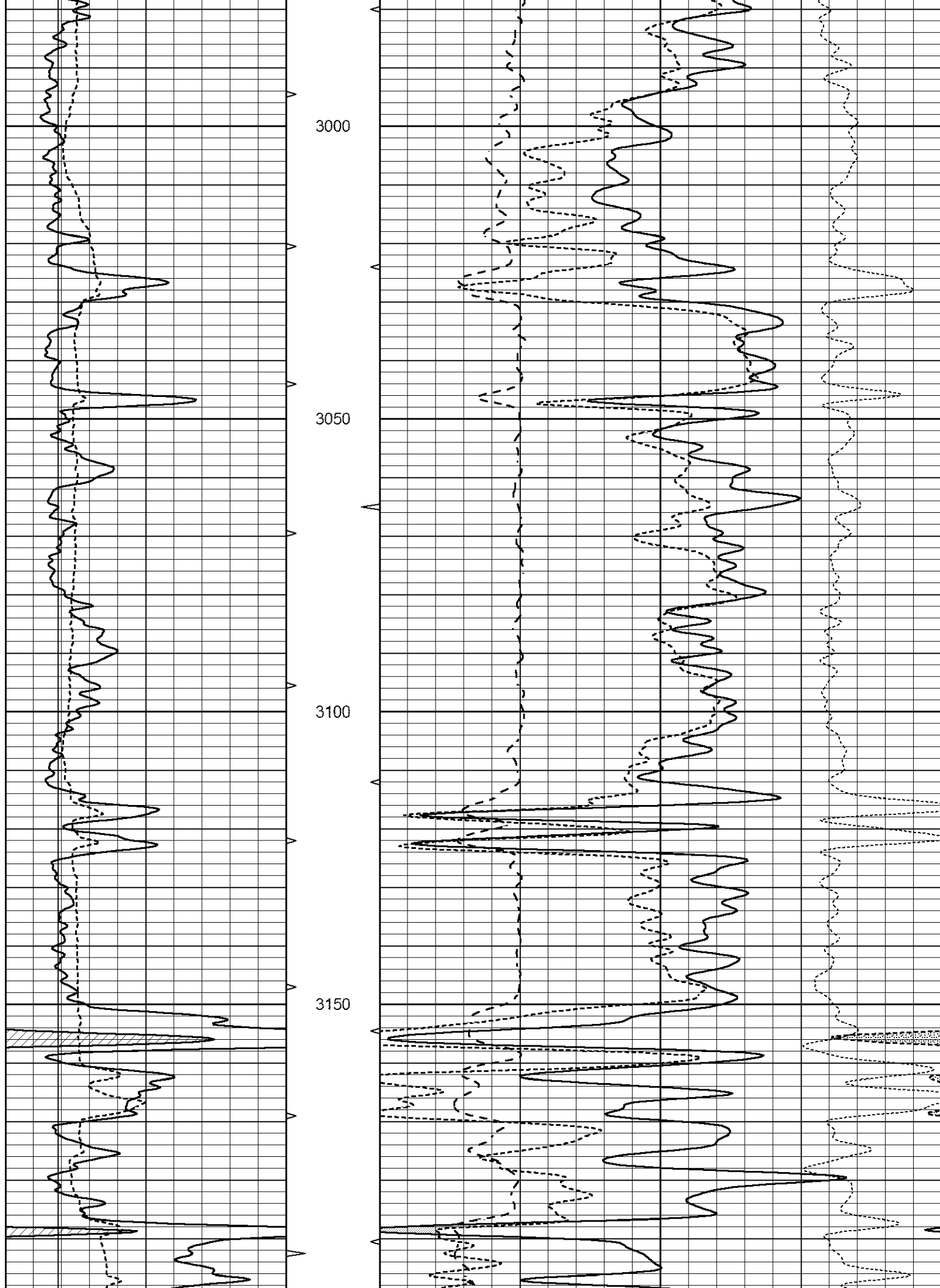


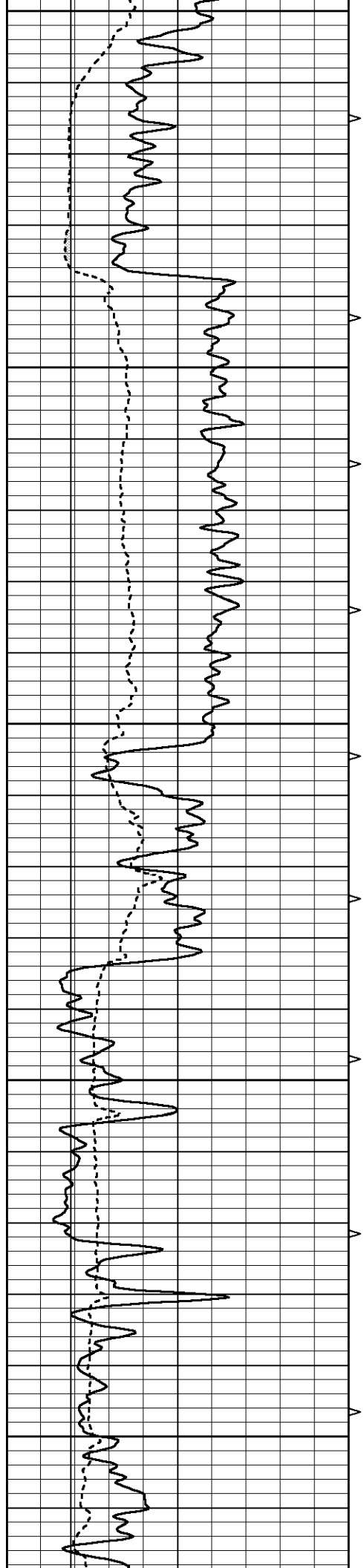
MAIN SECTION

Database File	1563pe8.db
Dataset Pathname	pass3.1
Presentation Format	_ldt_neu
Dataset Creation	Thu Jun 22 07:33:14 2017
Charted by	Depth in Feet scaled 1:240

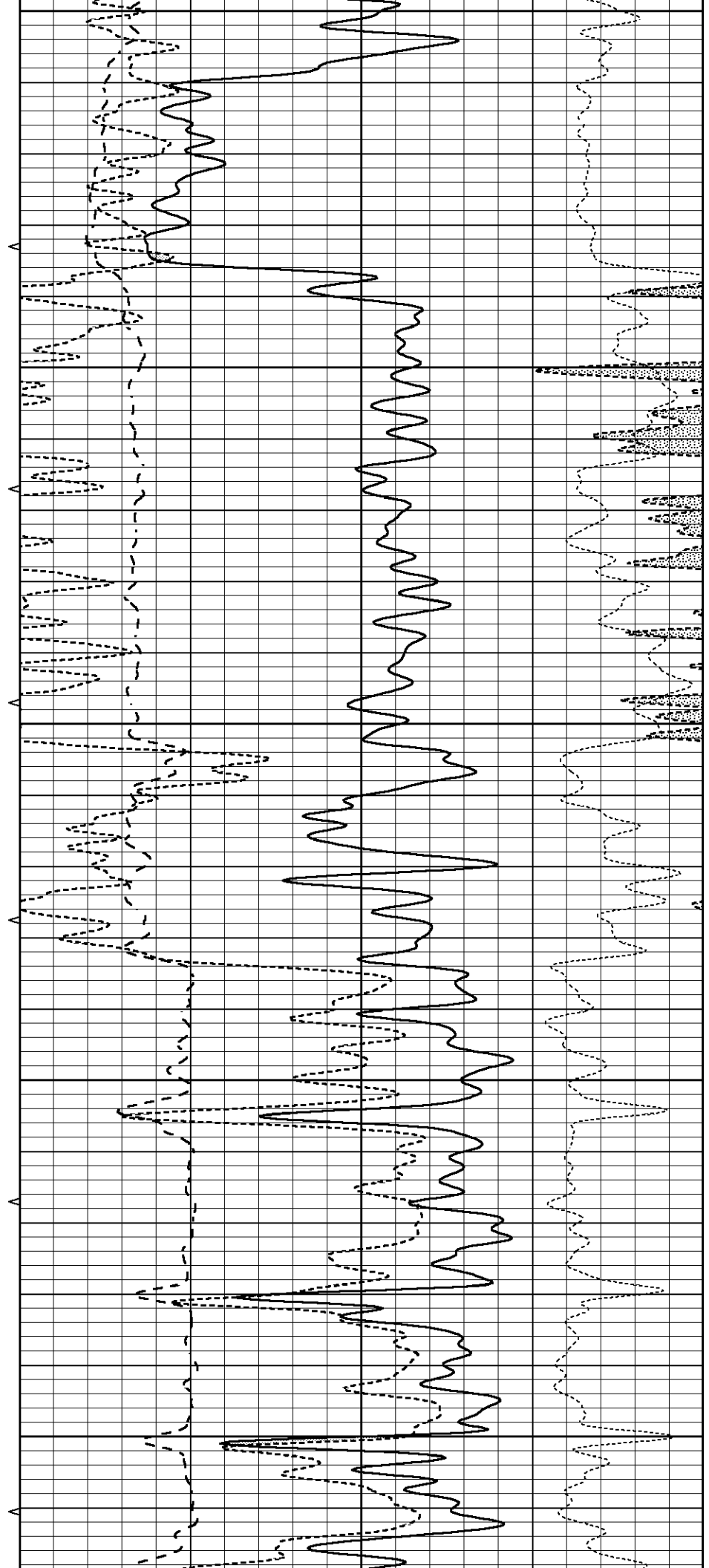
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3)	0	COMPENSATED NEUTRON (pu)	-10
			TBHV	0	PE	10 -0.25
			0 (ft3)	10	CORRECTION (g/cc)	0.25

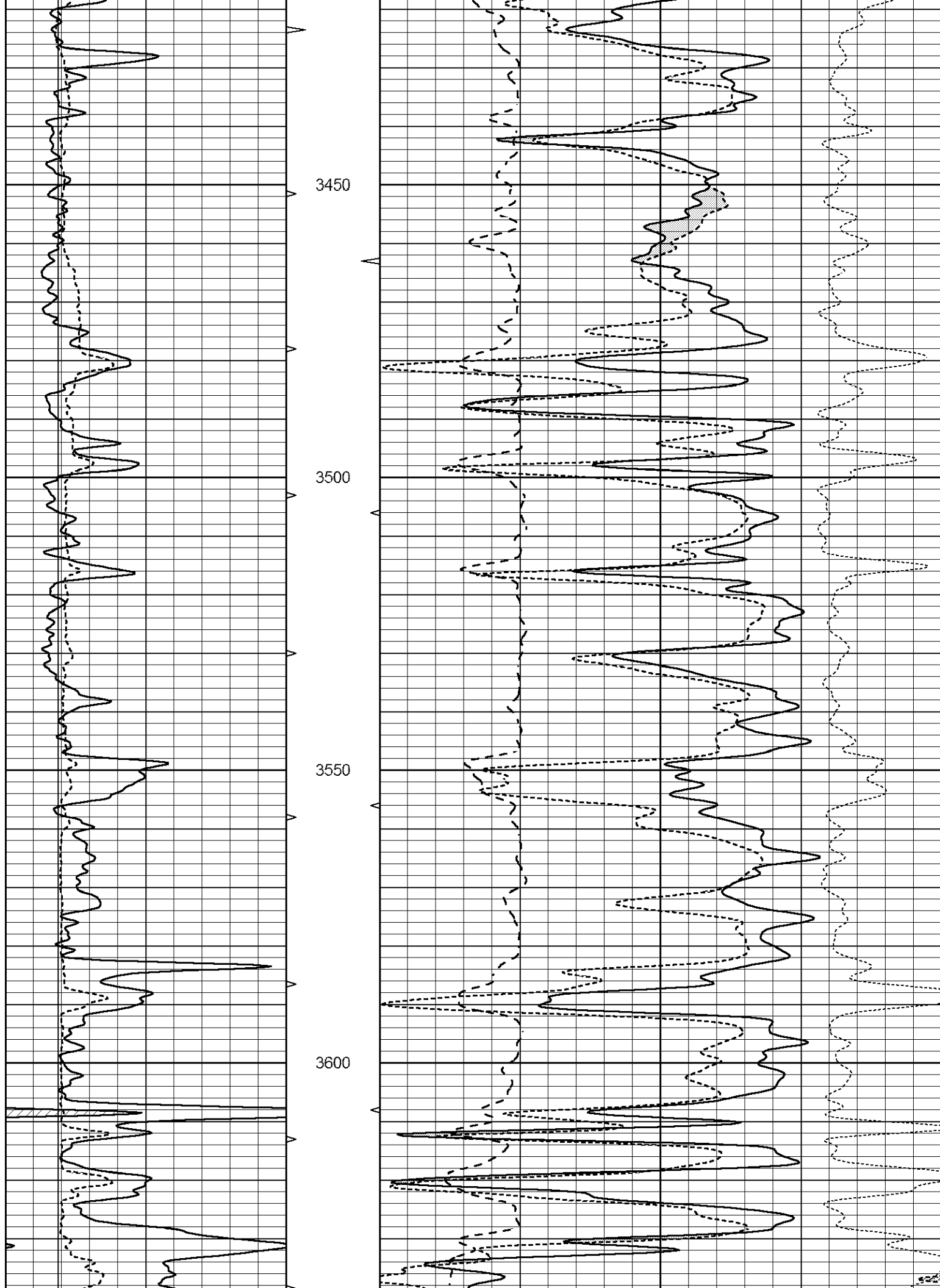


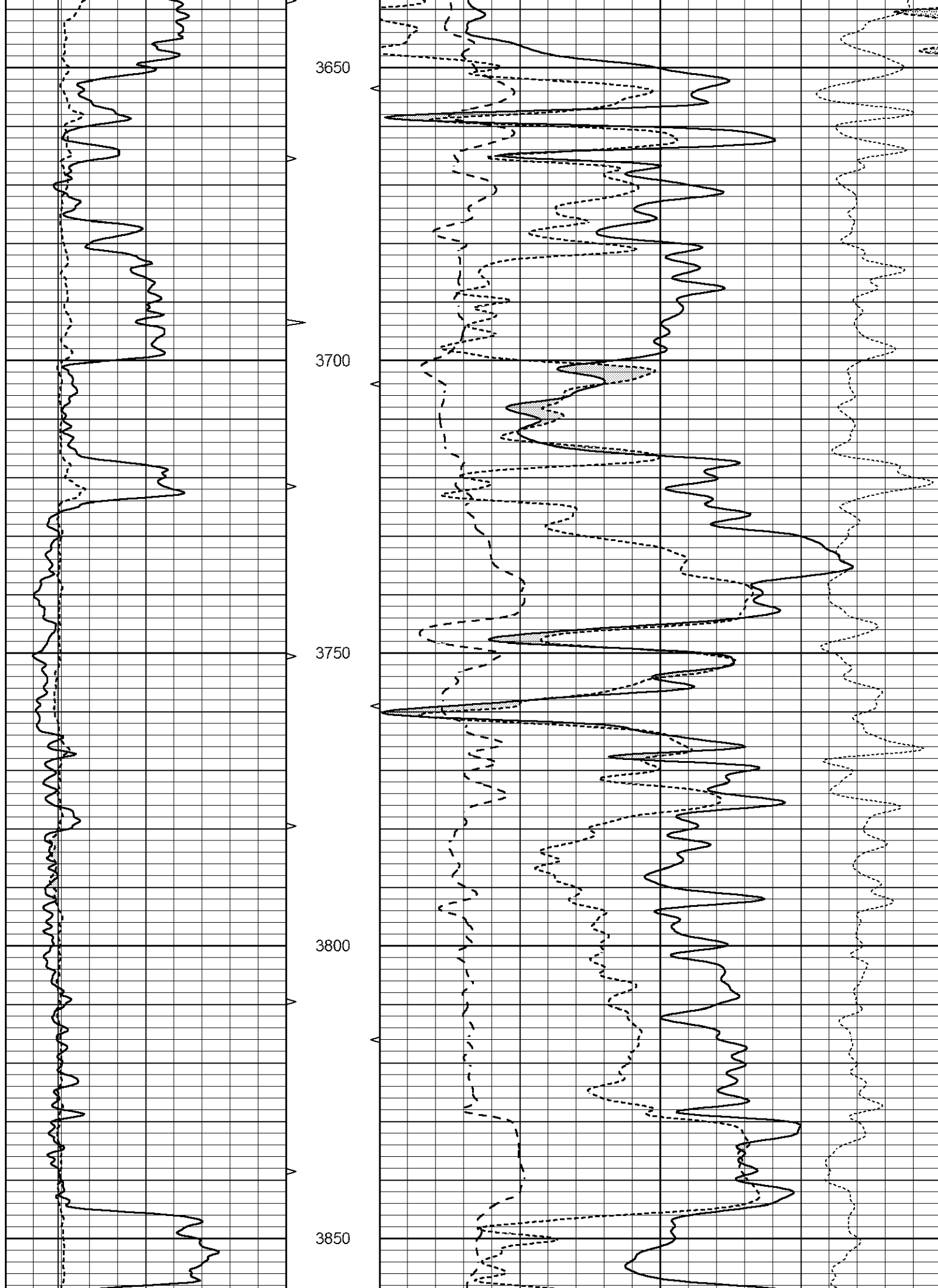


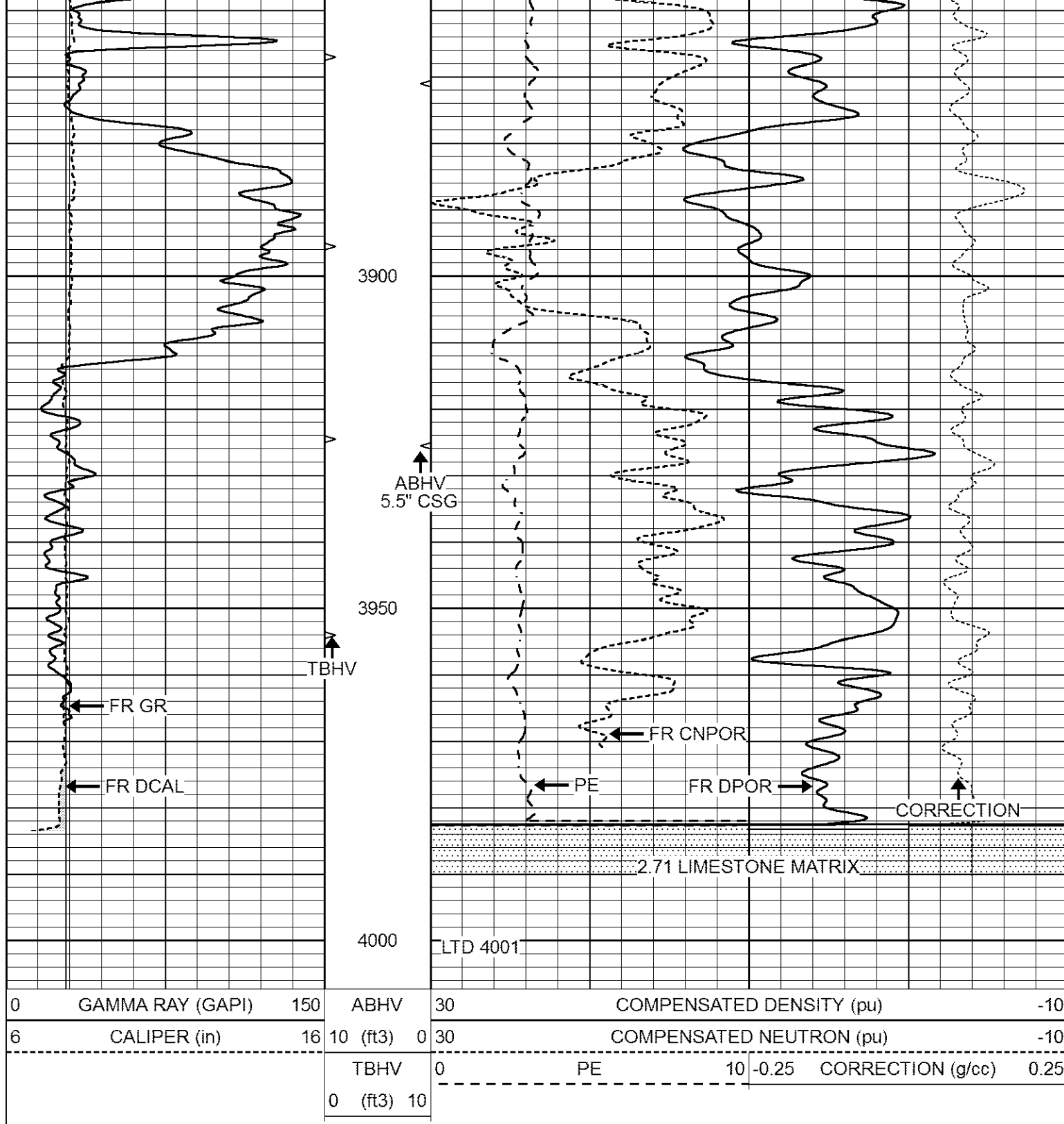


3200
3250
3300
3350
3400







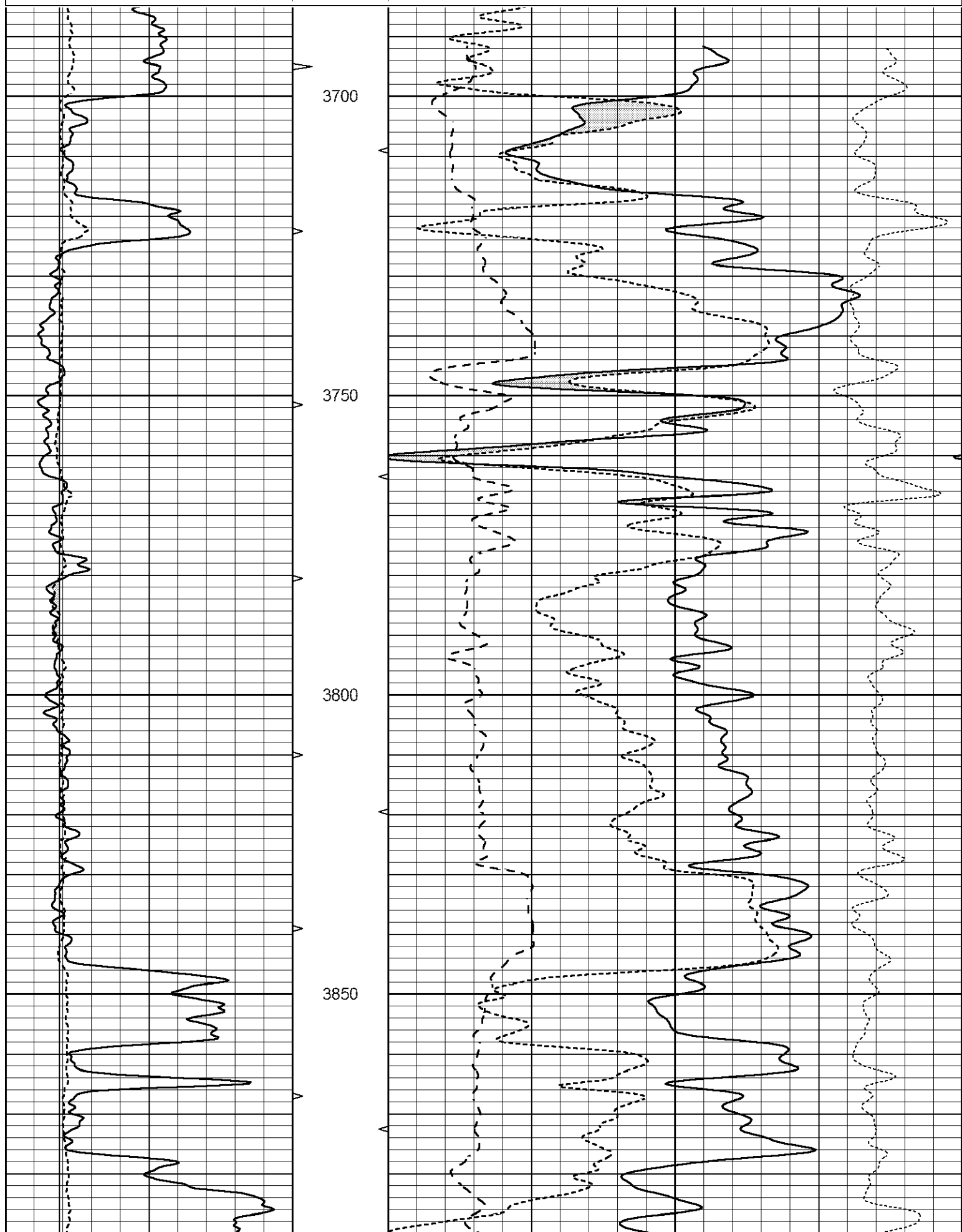


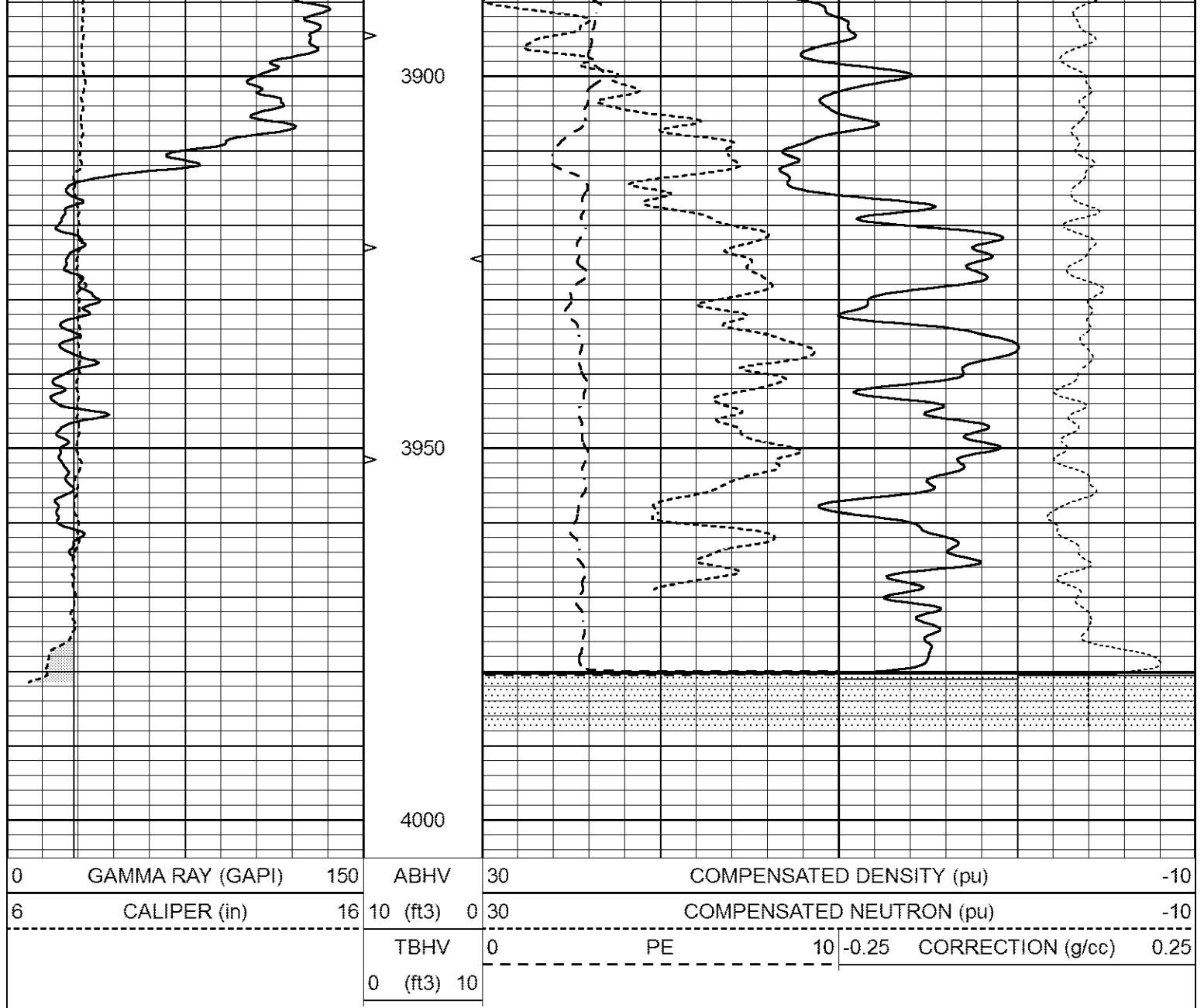
REPEAT SECTION

Database File 1563pe8.db
 Dataset Pathname pass2.1
 Presentation Format _ldt_neu
 Dataset Creation Thu Jun 22 07:06:23 2017
 Charted by Depth in Feet scaled 1:240



6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)		-10
		TBHV		0	PE		10	-0.25
		0 (ft3)		10				CORRECTION (g/cc)
								0.25





Calibration Report

Database File 1563pe8.db
 Dataset Pathname pass2.1
 Dataset Creation Thu Jun 22 07:06:23 2017

Dual Induction Calibration Report

Serial-Model: FW1410-56-Probe
 Surface Cal Performed: Fri Mar 13 14:03:50 2015
 Downhole Cal Performed: Fri Mar 13 15:37:29 2015
 After Survey Verification Performed: Fri Mar 13 15:37:29 2015

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	527.061	-3.201
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	567.187	32.510
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532

Downhole Calibration								
Readings			References			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		1500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		6000.000	mmho-m		

After Survey Verification								
Readings			Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report								
Serial: 140704								
Model: V4_10P								
Source Number: 74GBq-19								

Master Calibration					Performed: Wed Feb 11 18:53:41 2015			
	Background	Aluminum	Magnesium					
Window 1	613.01	6027.40	27508.60	cps				
Window 2	48.21	1424.77	7132.66	cps				
Window 4	266.48	1373.19	5767.15	cps				
Window 5	622.07	10090.30	18937.90	cps				
Window 6	49.07	1682.84	3271.18	cps				
Window 8	298.04	3248.38	5980.58	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8451	SS Alpha:	: -0.7542	LS CPE:	: 1.0882			
LS Beta:	: 138648.8473	SS Beta:	: 21960.9250	SS CPE:	: 1.5181			

Before Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969
Window 1	0.00	cps	
Window 2	0.00	cps	
Window 4	0.00	cps	
Window 5	0.00	cps	
Window 6	0.00	cps	
Window 8	0.00	cps	

After Survey Background Counts Verification			Performed: Wed Dec 31 18:00:00 1969
Window 1	0.00	cps	
Window 2	0.00	cps	
Window 4	0.00	cps	
Window 5	0.00	cps	
Window 6	0.00	cps	
Window 8	0.00	cps	

Lithodensity Caliper Calibration					Performed: Wed Feb 11 18:53:41 2015			
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Results	Readings		References (in)		Gain	Offset
Low	High	Low	High			
1107.5	7124.1	8.0	15.0		0.0	6.5
Before Survey Caliper Verification Performed: Reference Reading Caliper (in)						
After Survey Caliper Verification Performed: Reference Reading Caliper (in)						
Compensated Neutron Calibration Report						
		Serial Number:		080621PMC		
		Tool Model:		NABORS		
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:		Probe1				
Performed:		Mon May 22 14:24:46 2017				
Calibrator Value:		1.0	GAPI			
Background Reading:		0.0	cps			
Calibrator Reading:		1.0	cps			
Sensitivity:		0.3000	GAPI/cps			