



COMPENSATED DENSITY / NEUTRON PE LOG

Company	JEL RESOURCES, LLC.	Company	JEL RESOURCES, LLC.
Well	BETTY HULLMAN ESTATE #1-10	Well	BETTY HULLMAN ESTATE #1-10
Field	SILVER BELL	Field	SILVER BELL
County	BARBER	County	BARBER
State	KANSAS	State	KANSAS
Location:	API # : 15-185-24088-0000	Other Services DIL/MEL	
Permanent Datum	GROUND LEVEL	Elevation	1888
Log Measured From	KELLY BUSHING 8' A.G.L.	K.B. 1896	
Drilling Measured From	KELLY BUSHING	D.F. 1894	
		G.L. 1888	
Date	10/7/21		
Run Number	ONE		
Depth Driller	3885		
Depth Logger	3885		
Bottom Logged Interval	3861		
Top Log Interval	2900		
Casing Driller	8 5/8"@444'		
Casing Logger	445		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL	CHLORIDES 10,000 PPM	
Density / Viscosity	8.8/45		
pH / Fluid Loss	10.5/10.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.520@83F		
Rmf @ Meas. Temp	.390@83F		
Rmc @ Meas. Temp	.624@83F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.375@115F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	4:30 P.M.		
Maximum Recorded Temperature	115F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JEFF LAWLER	MICHAEL CONNELLY	

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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.

15-185-24088-0000

Comments

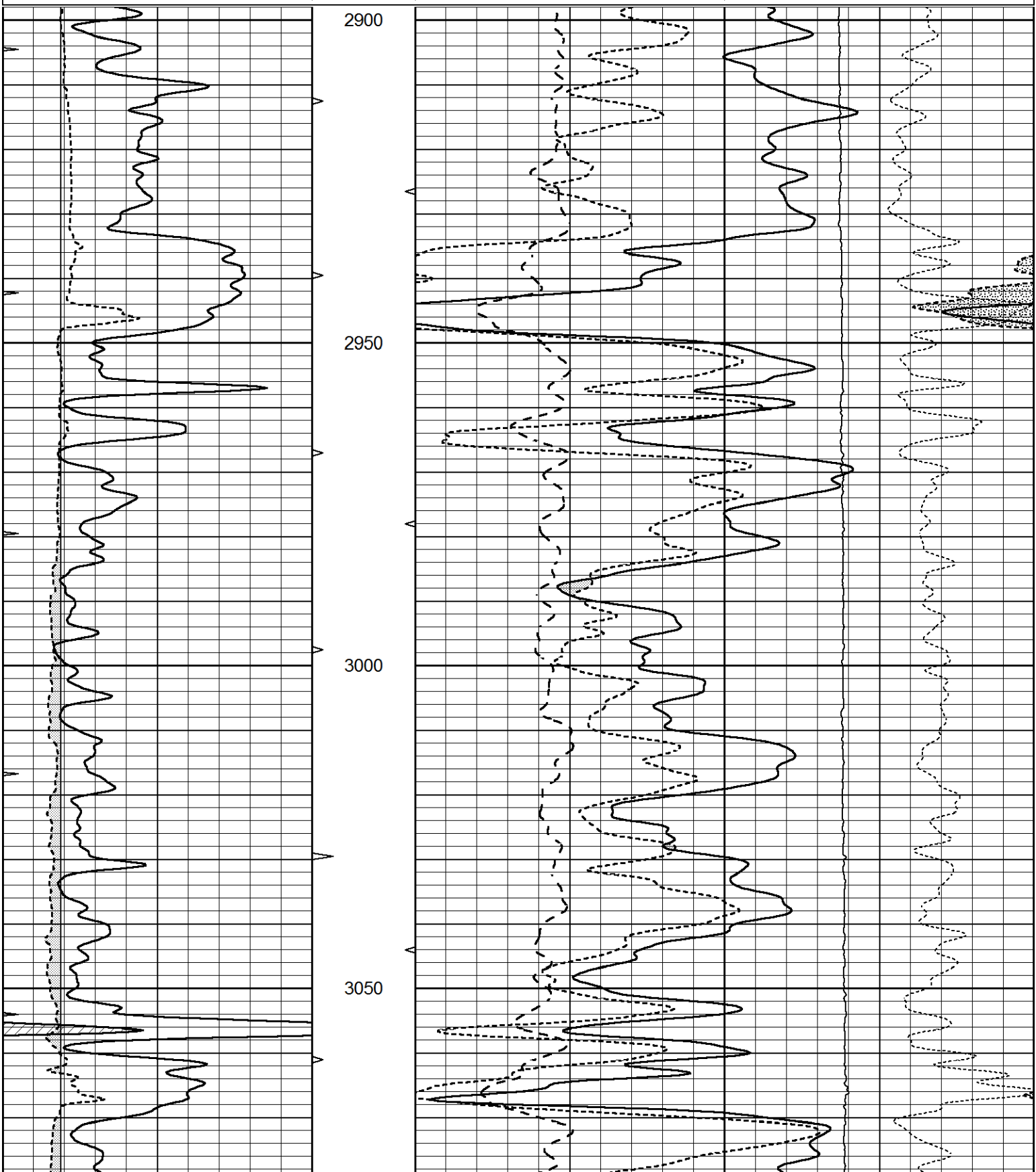
THANK YOU FOR USING E.L.I. WIRELINE SERVICES HAYS, KANSAS (785)628-6395
DIRECTIONS
GREAT BEND, KS., S. ON HWY 281 TO "130TH ST.", 1/2E., N. INTO

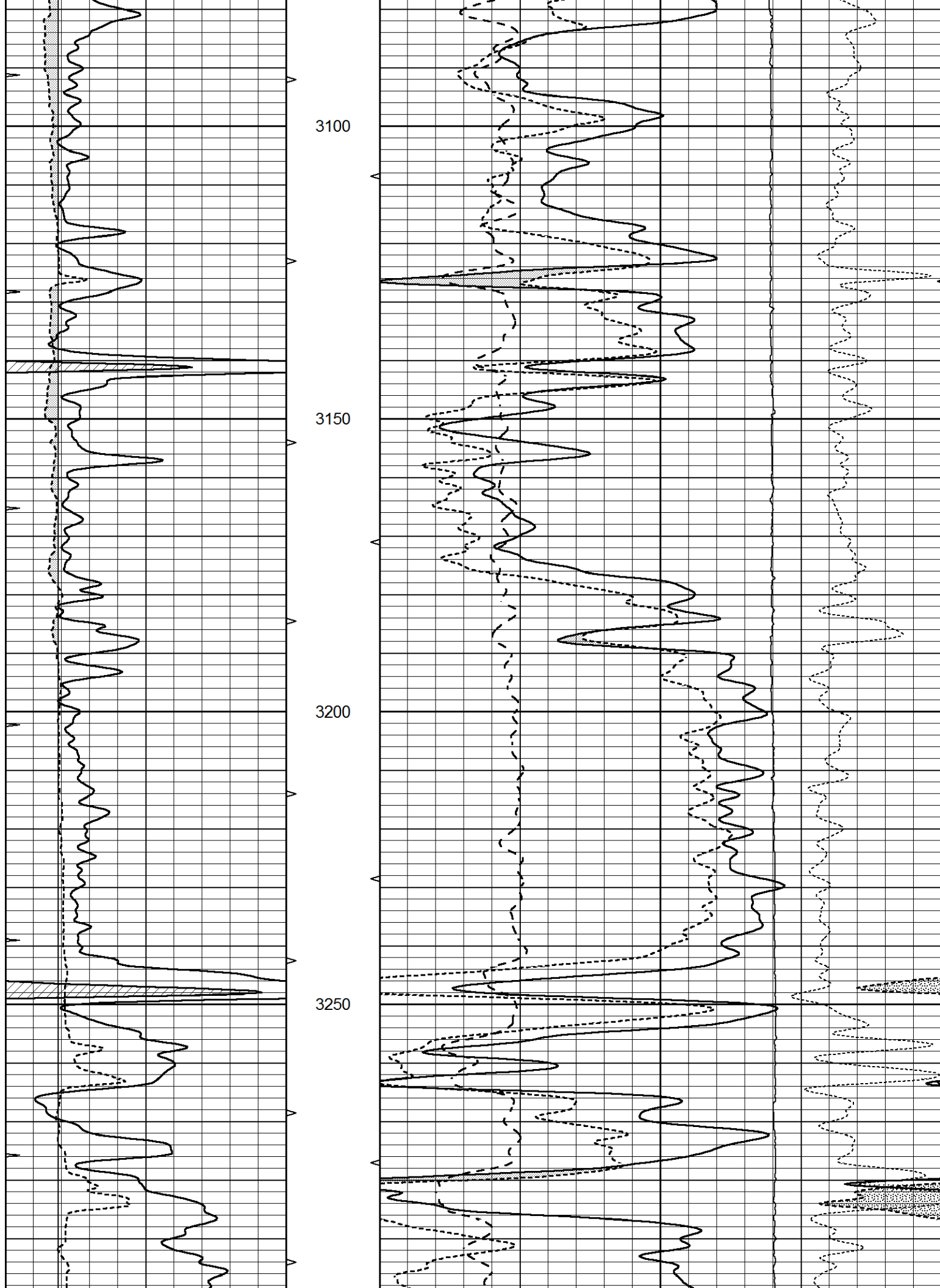


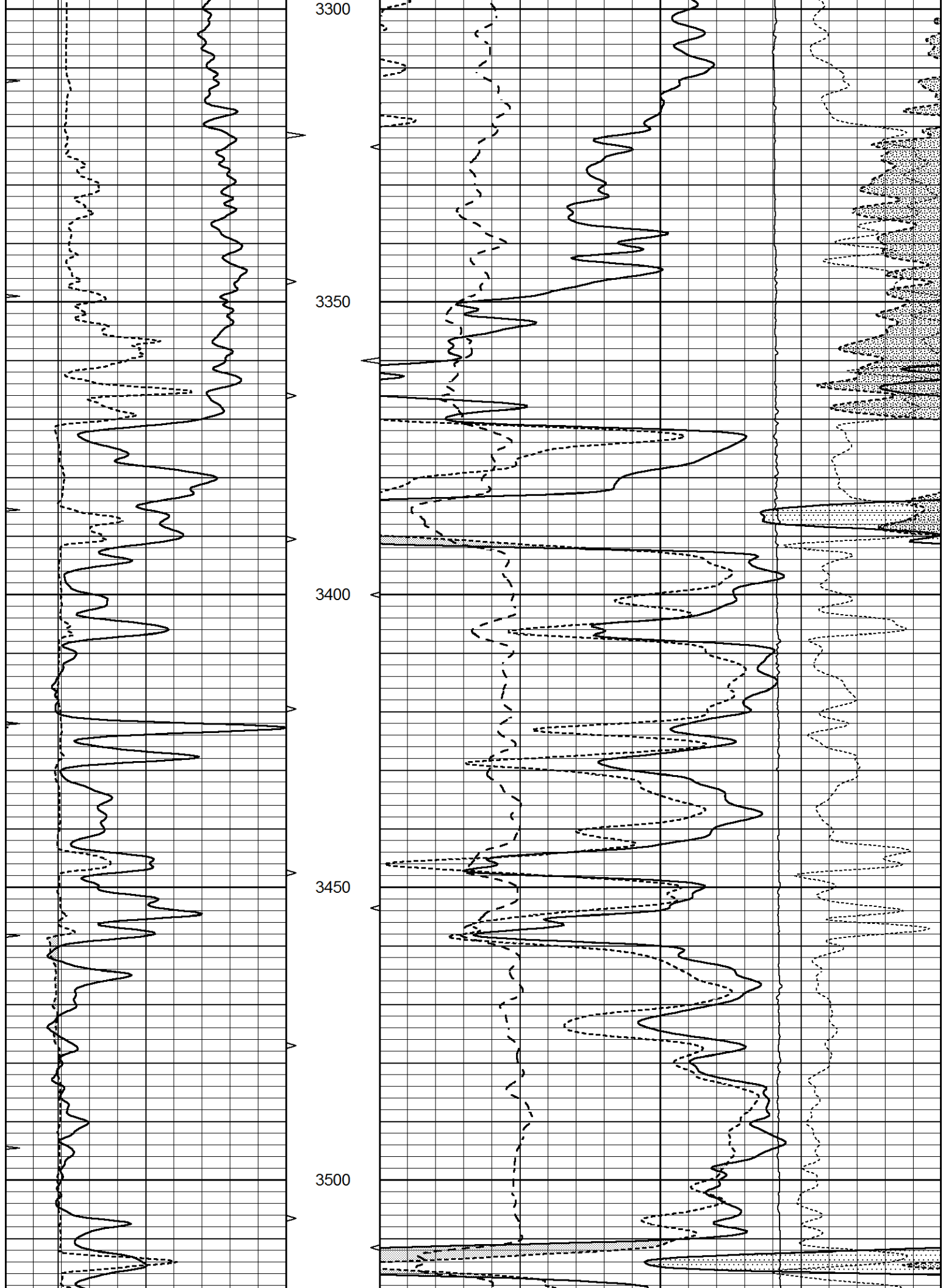
MAIN SECTION

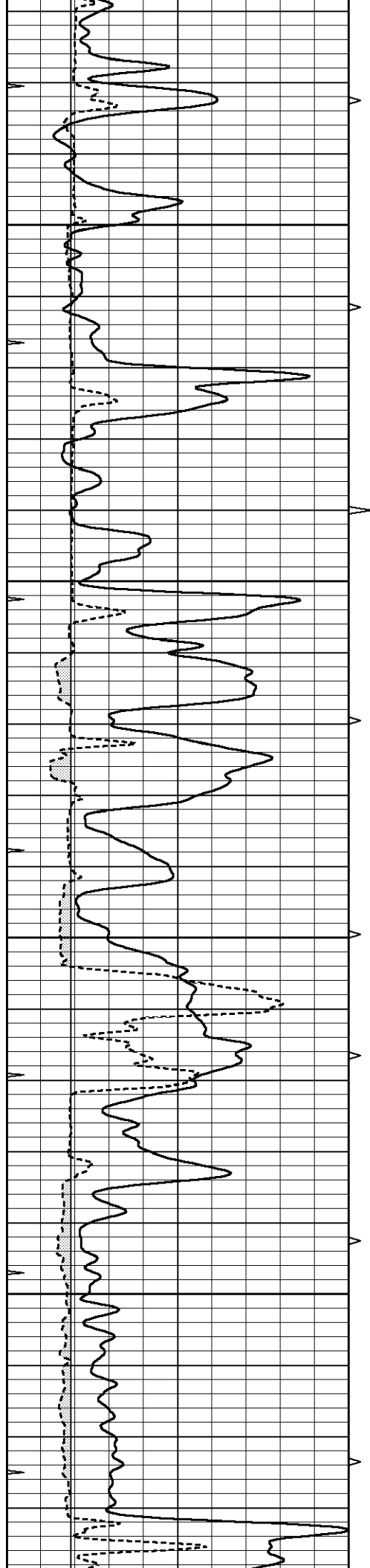
Database File	5666pe.db
Dataset Pathname	pass3.M
Presentation Format	ldt_neu
Dataset Creation	Thu Oct 07 17:51:28 2021
Charted by	Depth in Feet scaled 1:240

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	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10			0	LTEN (lb)	5000







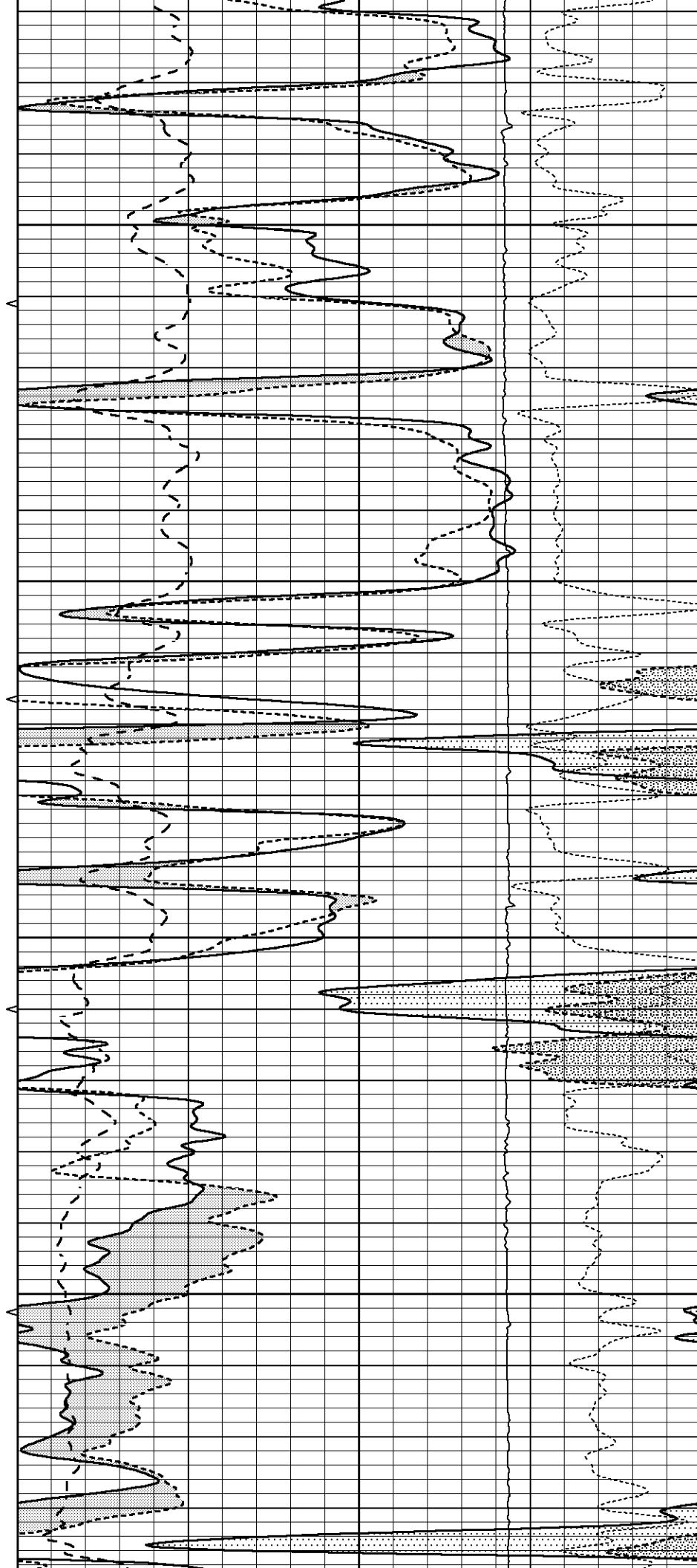


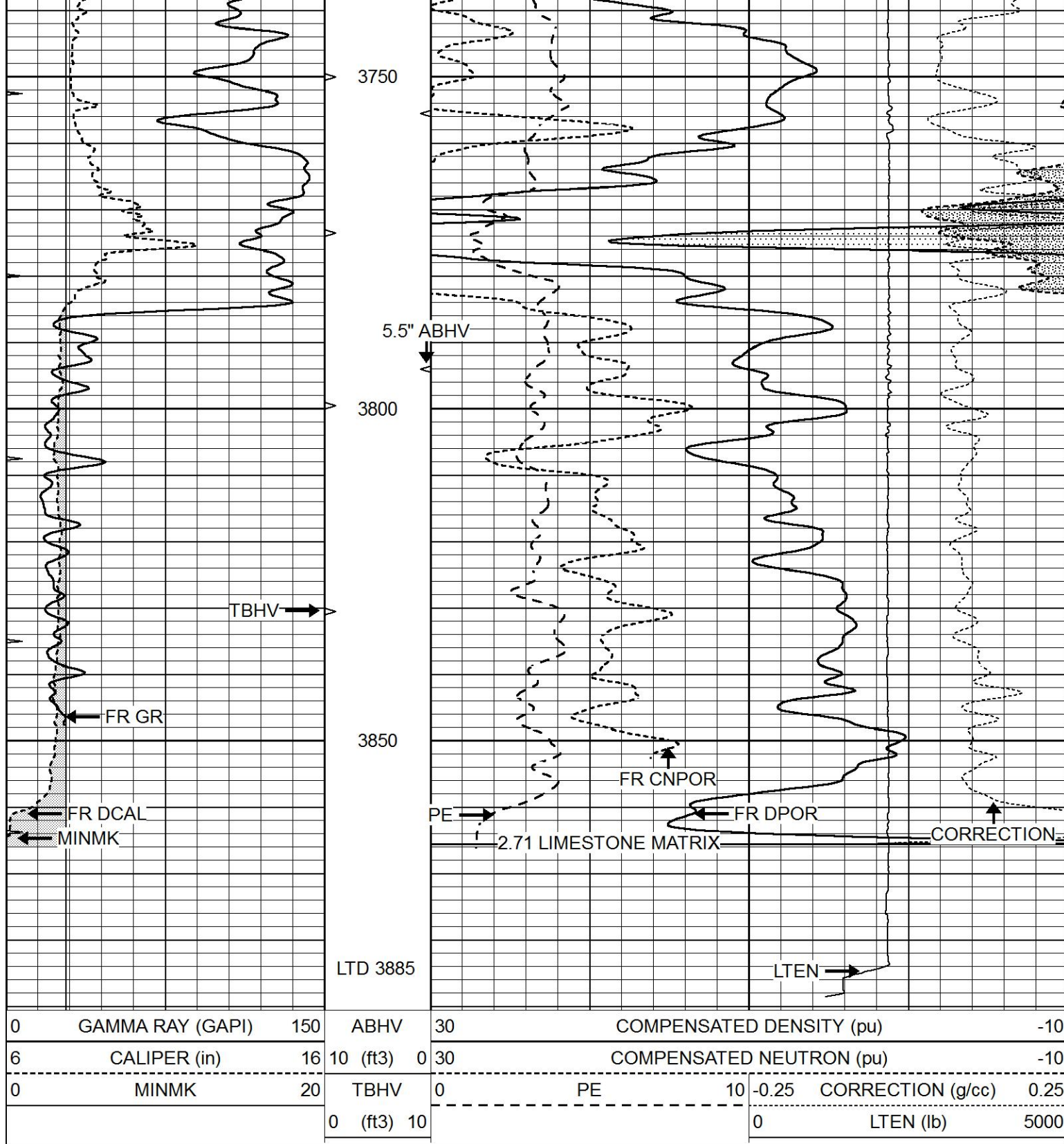
3550

3600

3650

3700

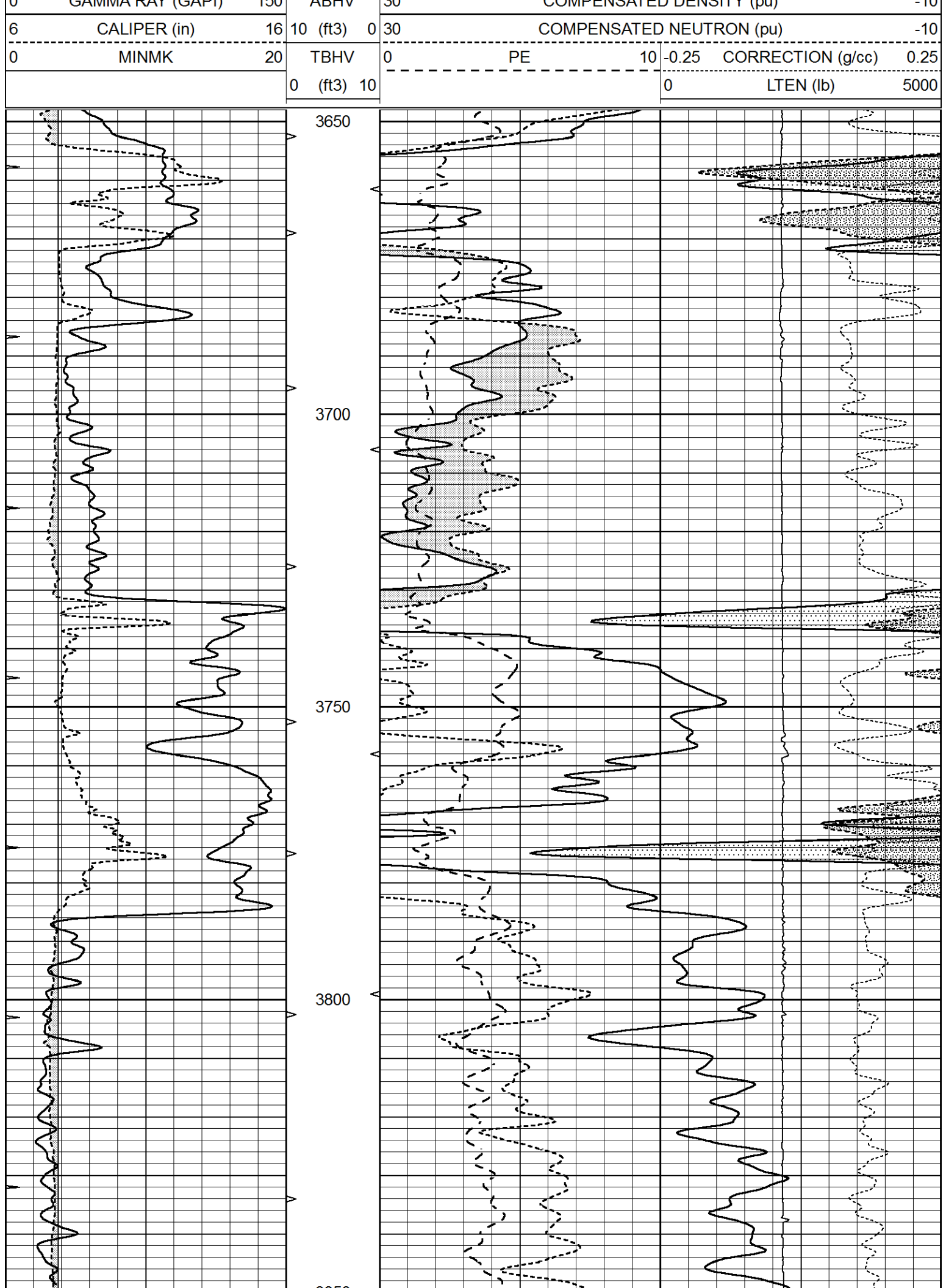


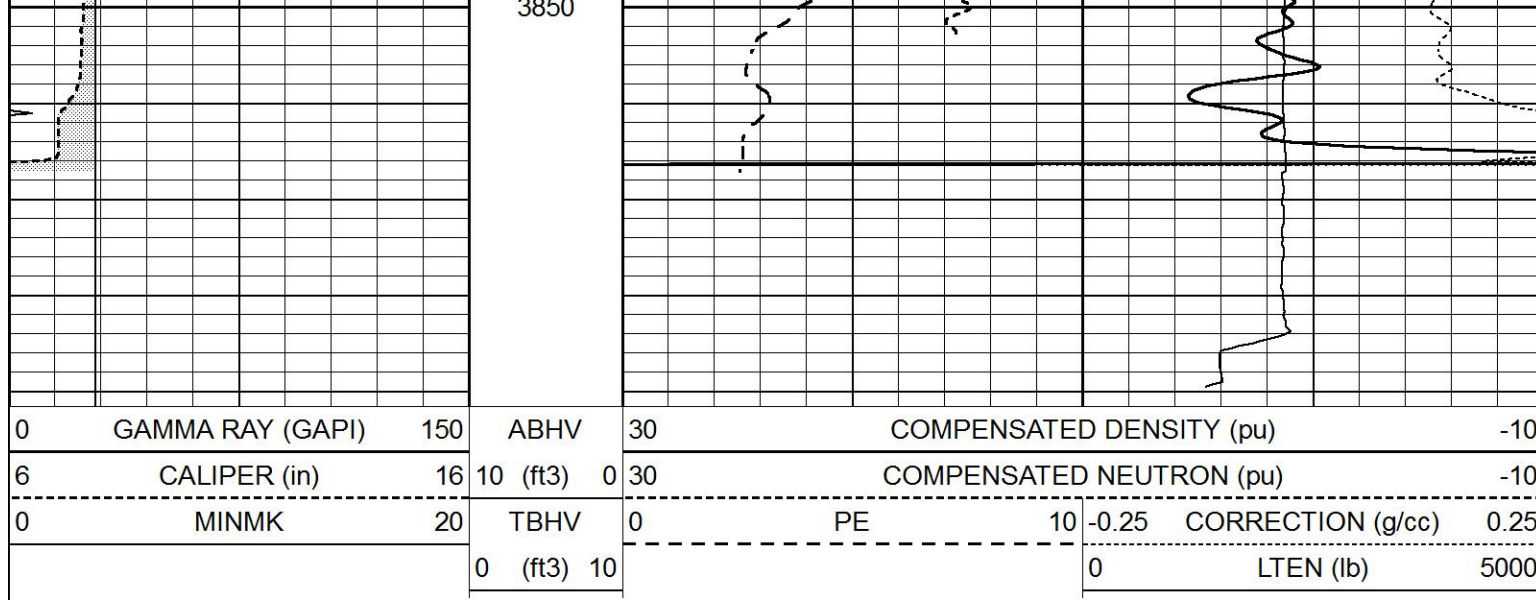


REPEAT SECTION

Database File 5666pe.db
 Dataset Pathname pass2.1R
 Presentation Format ldt_neu
 Dataset Creation Thu Oct 07 16:56:27 2021
 Charted by Depth in Feet scaled 1:240

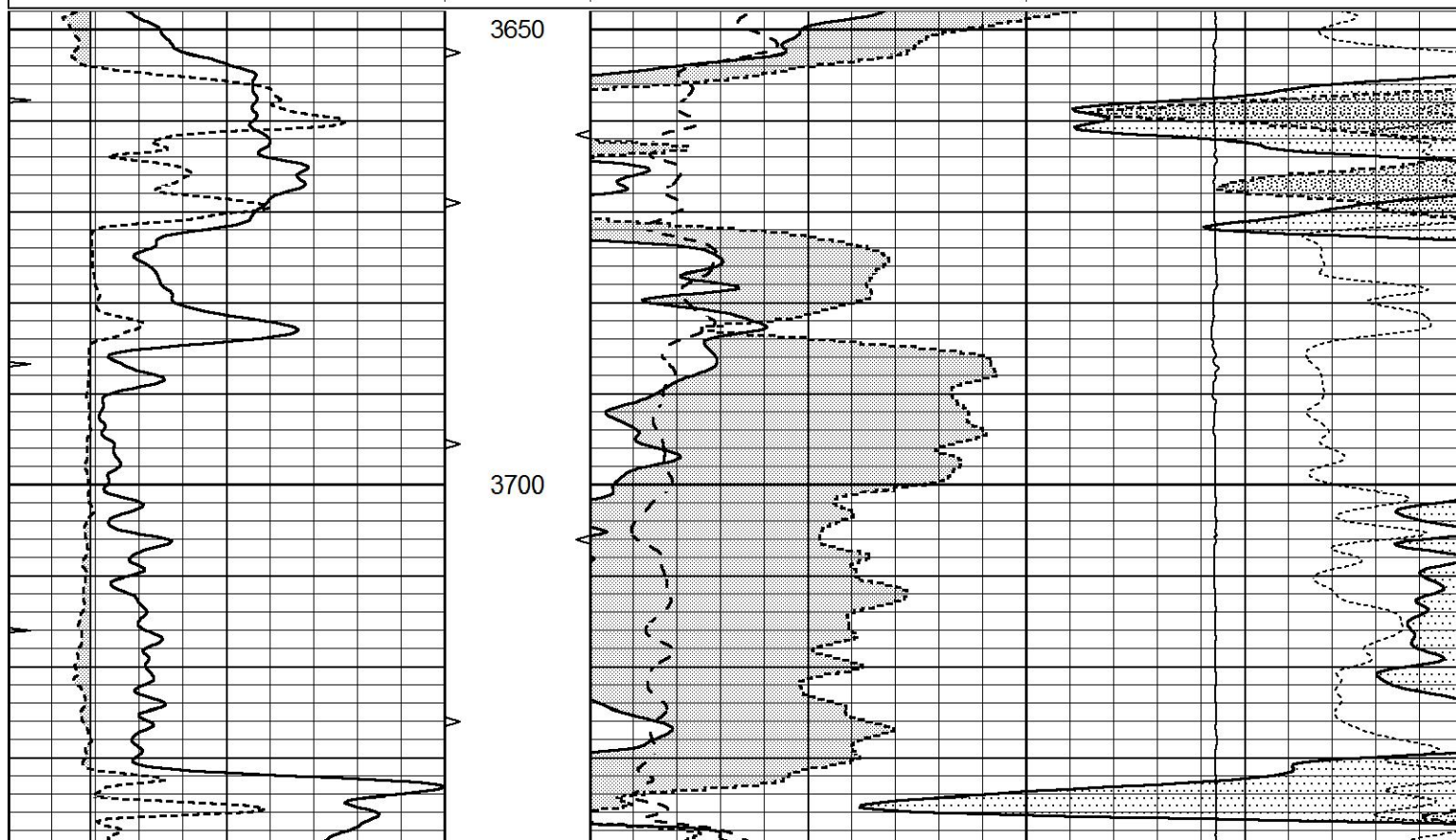
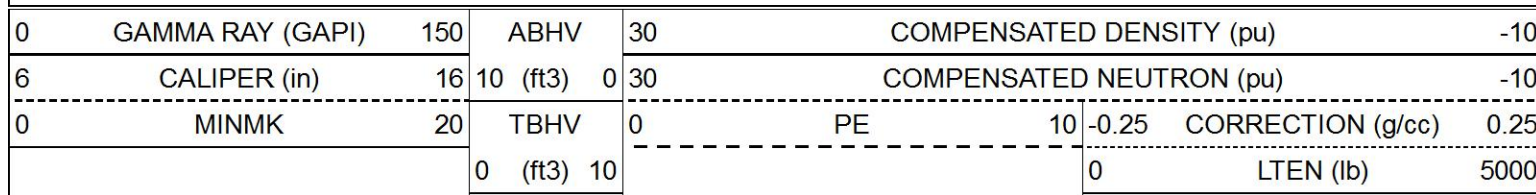


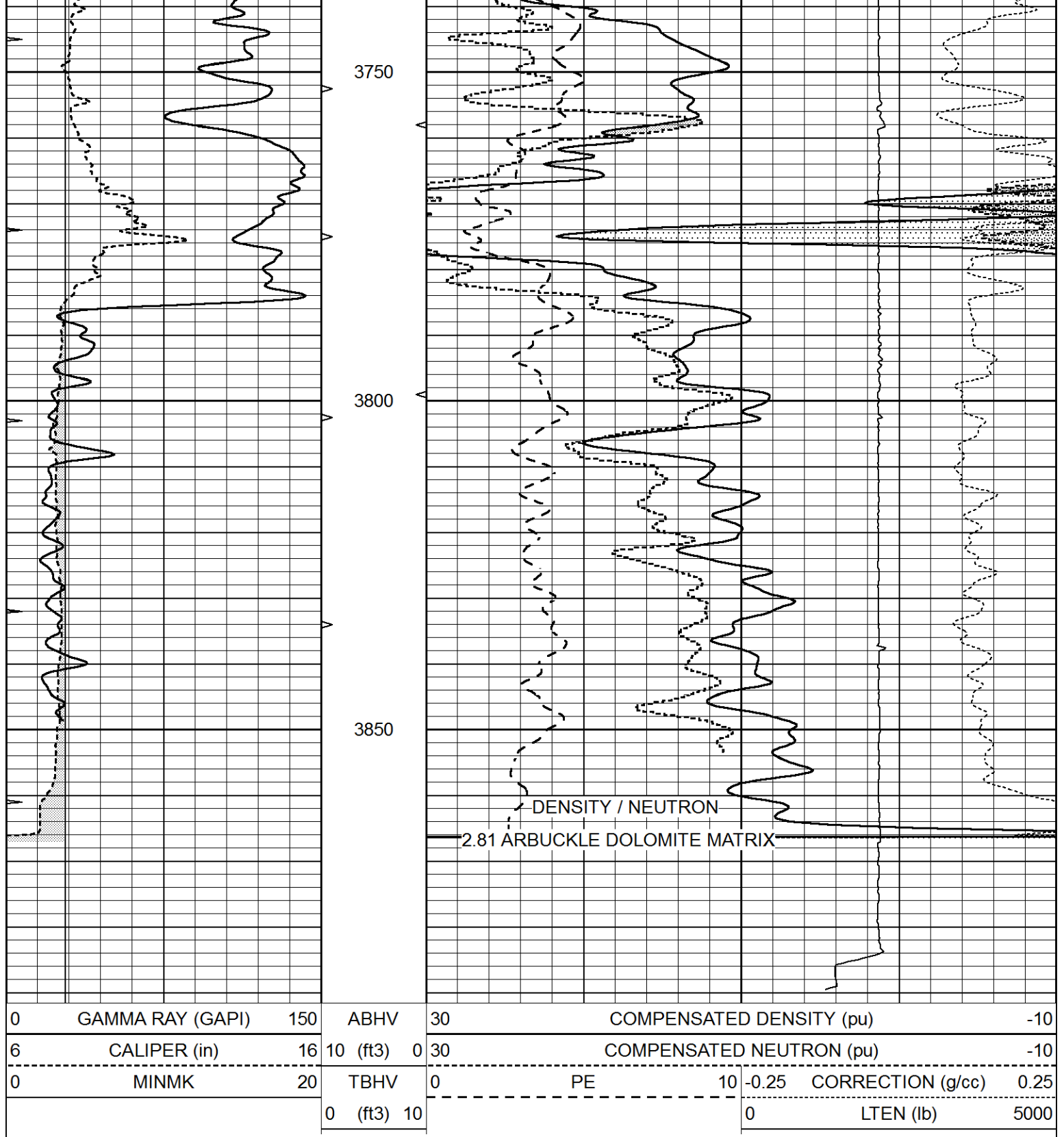




DOLOMITE MATRIX

Database File 5666pe.db
 Dataset Pathname pass2.1D
 Presentation Format ldt_neu
 Dataset Creation Thu Oct 07 16:58:59 2021
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File 5666pe.db
 Dataset Pathname pass3.M
 Dataset Creation Thu Oct 07 17:51:28 2021

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Wed Sep 22 10:35:13 2021
 Downhole Cal Performed: Wed Mar 11 11:31:19 2020
 After Survey Verification Performed: Wed Mar 11 11:31:22 2020

Surface Calibration				Readings			References		Results	
Loop:		Air	Loop		Air	Loop			m	b
Deep		-0.014	0.629	V	0.000	400.000	mmho/m		720.000	-20.000
Medium		0.039	0.728	V	0.000	464.000	mmho/m		720.000	-32.000
Internal:		Zero	Cal		Zero	Cal			m	b
Deep		0.011	0.610	V	0.000	400.000	mmho/m		667.135	-7.256
Medium		0.005	0.712	V	0.000	464.000	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: 003					Model: PRB				

Master Calibration				Performed Fri Mar 05 10:51:07 2021					
		Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1		1570.6	10682.1	3457.0	3096.9				cps
Window 2		1451.7	9432.7	3101.4	2816.5				cps
Window 3		1334.0	7160.6	2532.0	2369.3				cps
Window 4		370.4	373.1	366.4	370.9				cps
Long Space		0.0	7981.0	1649.7	1364.8				cps
Short Space		2.8	3522.0	2211.0	1823.6				cps
Rho			1.7100	2.5900	0.0000				g/cc
Pe			2.0000	2.7500	5.7900				
Rib Angle	: 43.5		Rib Slope	: 0.951	Density/Spine Ratio				: 0.535
Spine Angle	: 73.5		Spine Slope	: 3.386	Spine Intercept				: -18.7

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:	070808PMC		
		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:		OPEN_GR			
Performed:		Fri Sep 03 05:25:49 2021			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.2800	GAPI/cps		