



COMPENSATED DENSITY/NEUTRON PE LOG

Company	SHAKESPEARE OIL COMPANY, INC.		
Well	BLOOM #3-22		
Field	CALE NORTH		
County	GOVE	State	KANSAS
Location:	API # : 15-063-22440-0000		Other Services DILMEL SONIC
Permanent Datum	GROUND LEVEL		Elevation 2951
Log Measured From	2125' FSL & 2390' FEL SW - NW - NW - SE		Elevation
Drilling Measured From	SEC 22 TWP 11S RGE 31W		K.B. 2960 D.F. 2958 G.L. 2951
Date	3/22/24		
Run Number	ONE		
Depth Driller	4620		
Depth Logger	4620		
Bottom Logged Interval	4596		
Top Log Interval	3500		
Casing Driller	8.625@236		
Casing Logger	234		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 2.500 PPM	
Density / Viscosity	9.3/52		
pH / Fluid Loss	10.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.40@77F		
Rmf @ Meas. Temp	1.05@77F		
Rmc @ Meas. Temp	1.68@77F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.884@122F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	9.30 P.M.		
Maximum Recorded Temperature	122F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	KENT MATSON		

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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.

15-063-22440-0000

Comments

THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395
DIRECTIONS

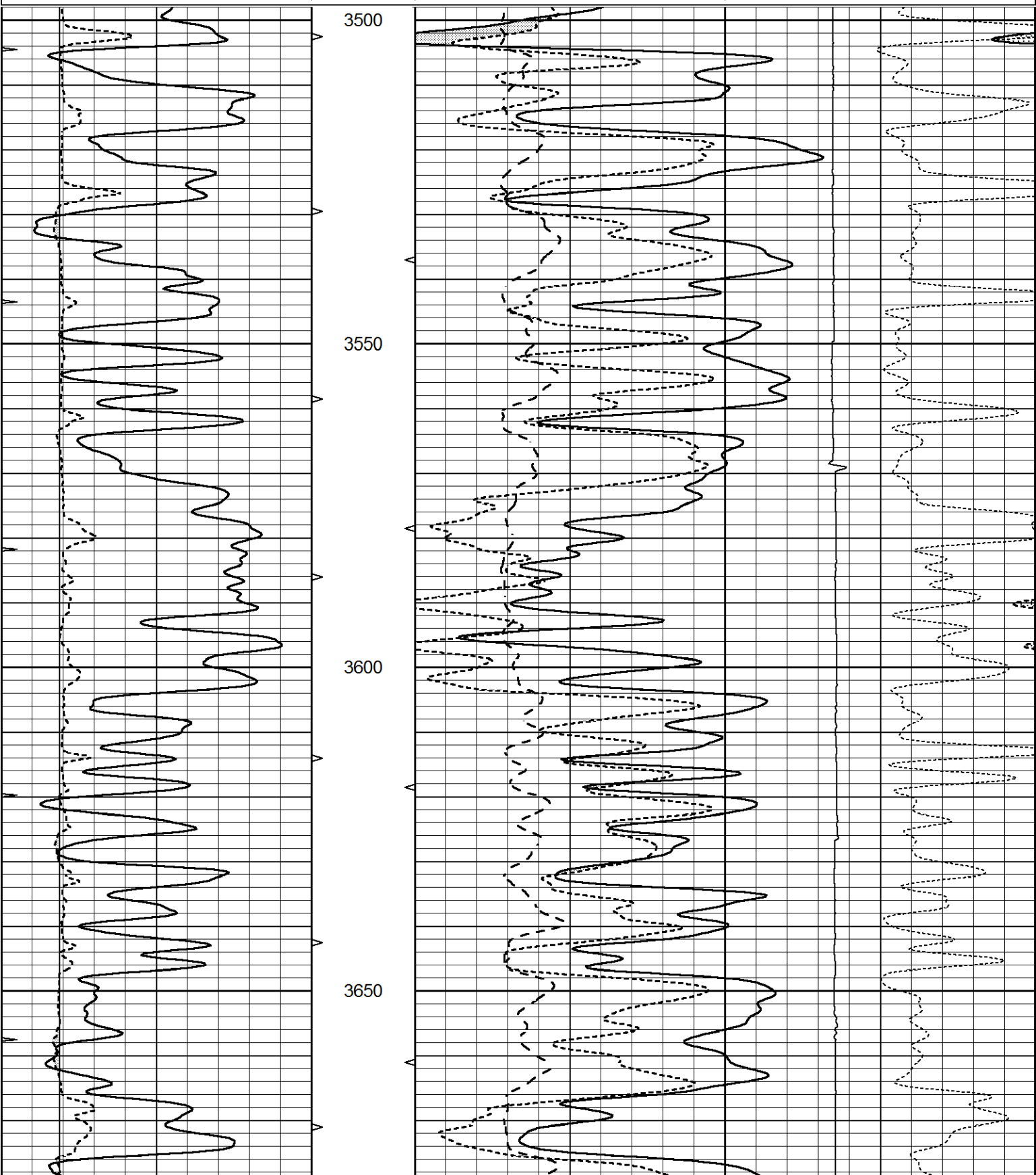
I-70 & CAMPUS EXIT, 2 1/2S. ON "RD. 18" PAST FARM TO (PRIVATE DRIVE) 1/2W., N. INTO

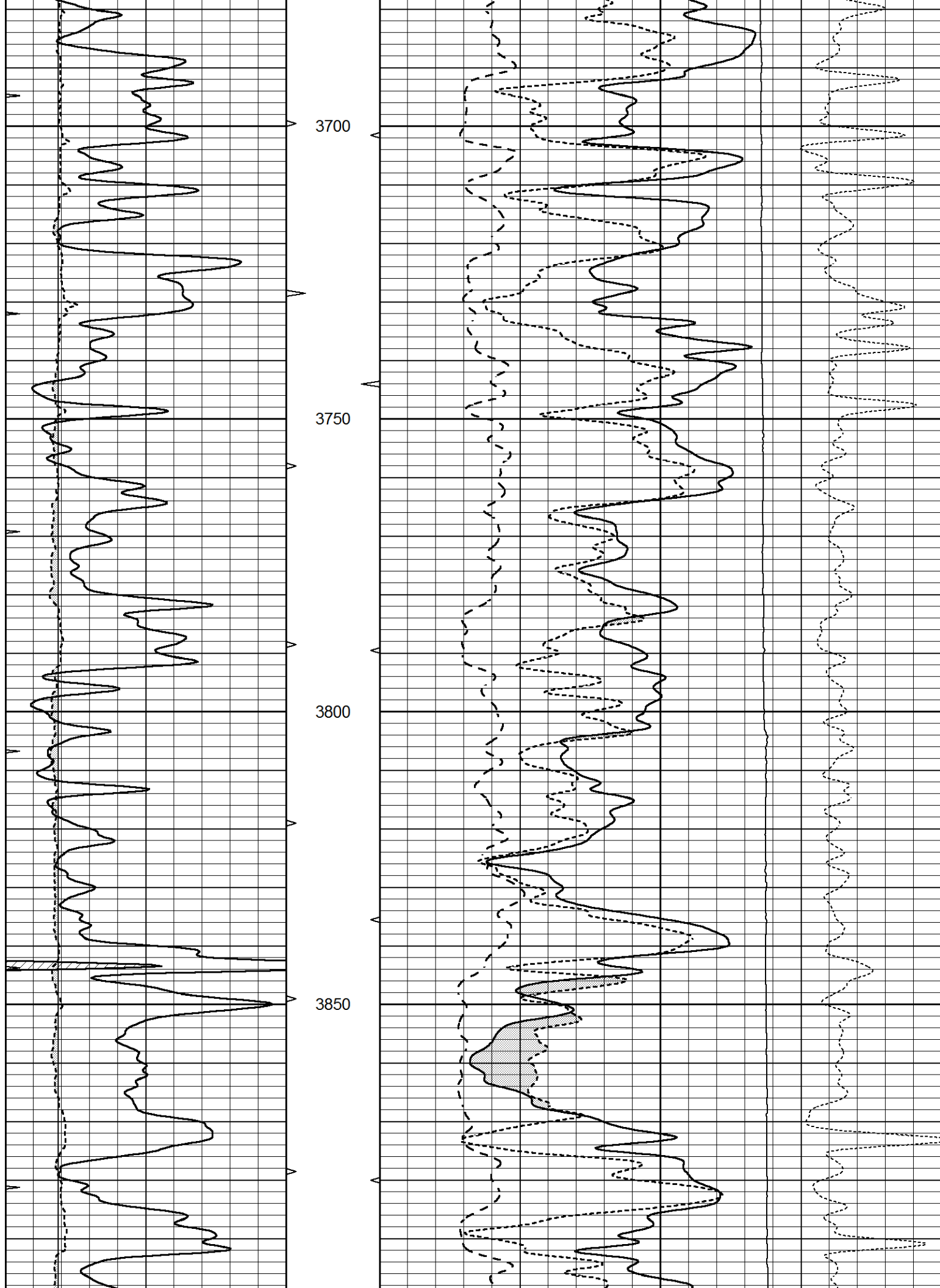


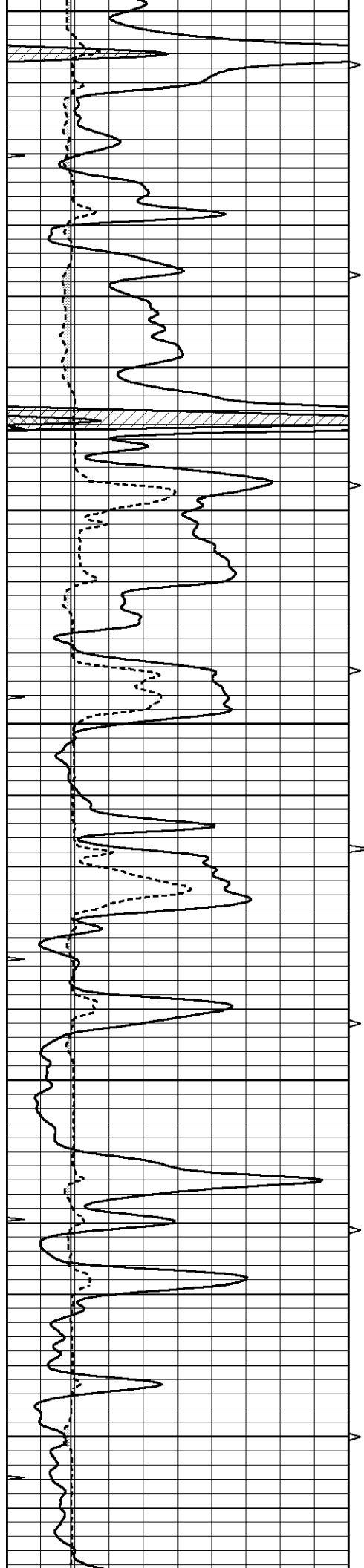
MAIN SECTION

Database File	8424pe.db
Dataset Pathname	pass3.1M
Presentation Format	_ldt_neu
Dataset Creation	Fri Mar 22 23:08:54 2024
Charted by	Depth in Feet scaled 1:240

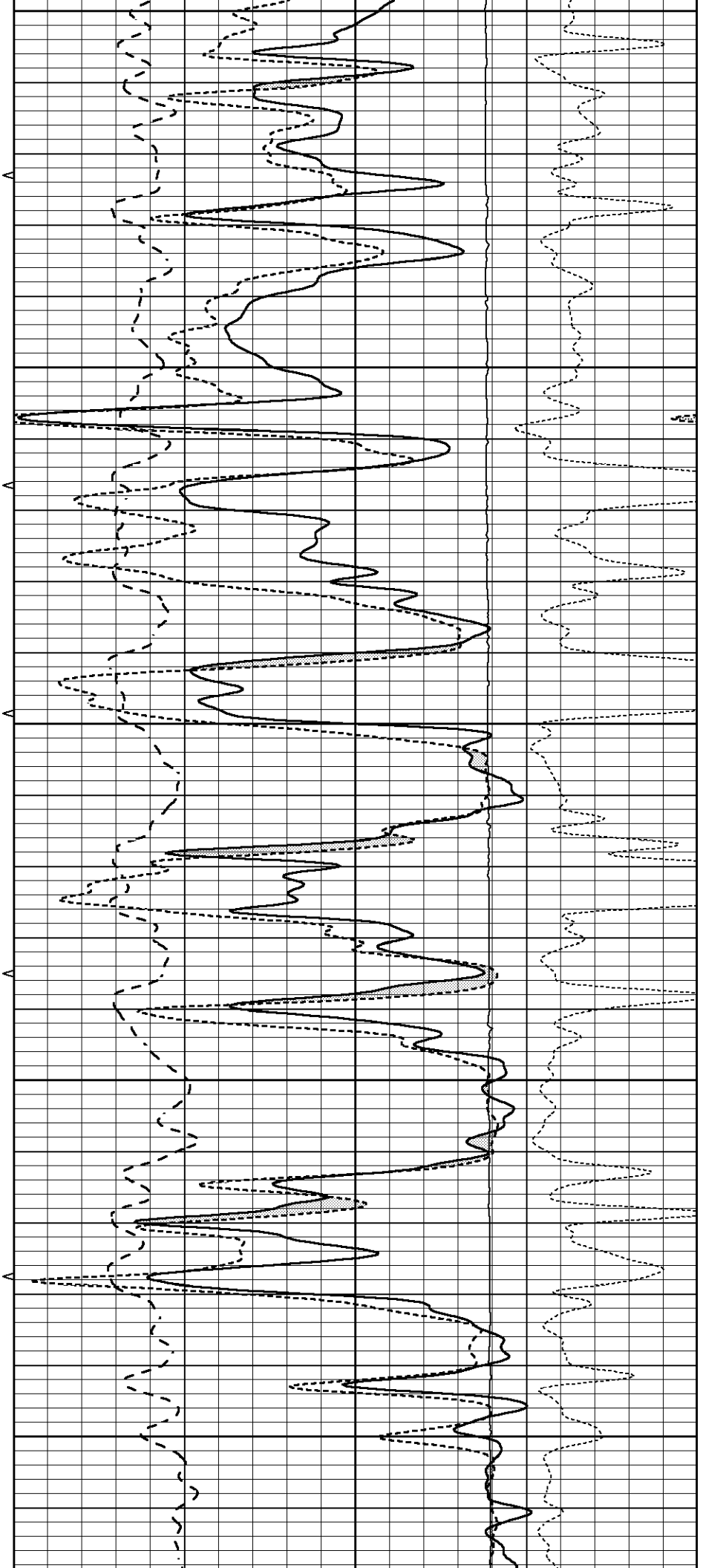
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	TBHV	0	PE	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10			0	LTEN (lb)	5000

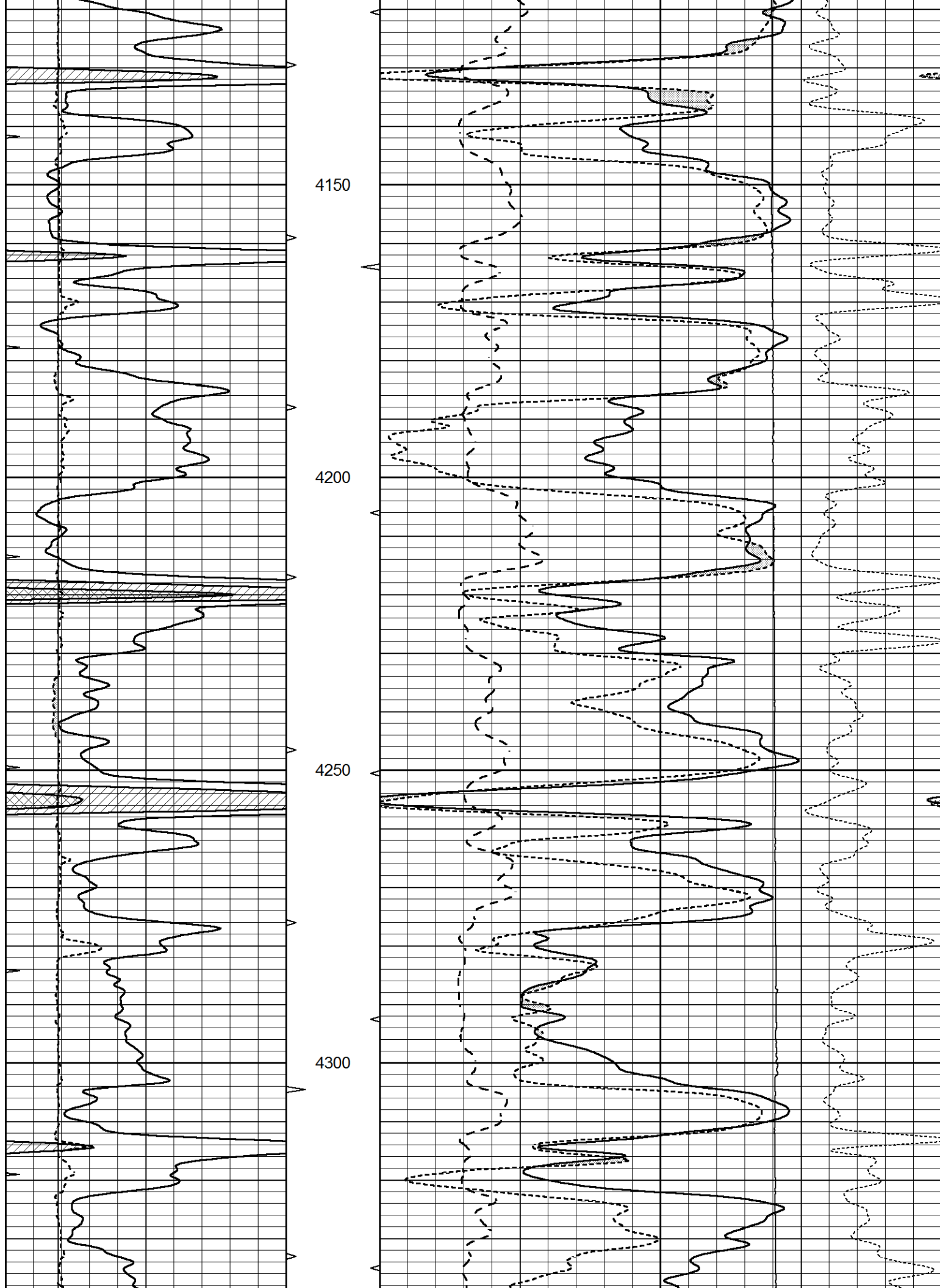


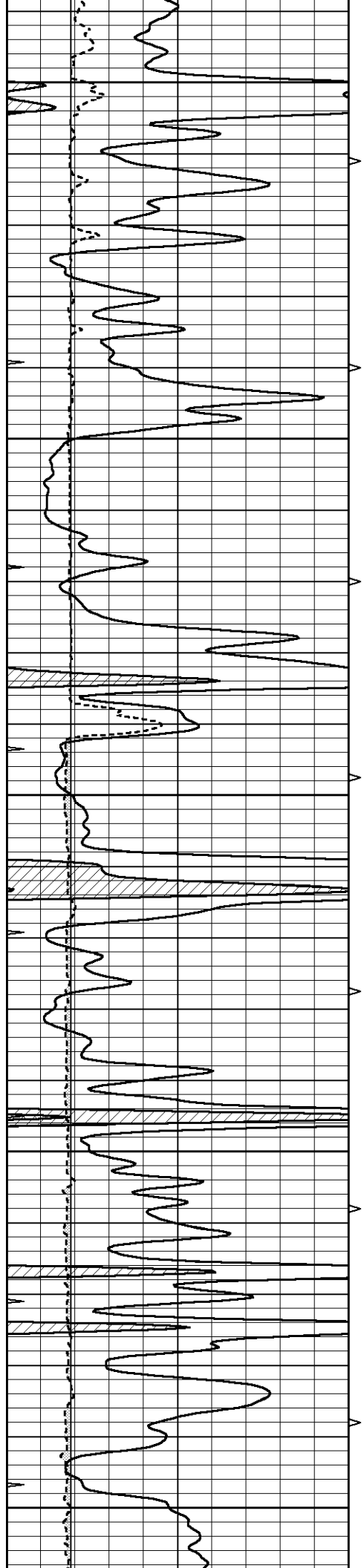




3900
3950
4000
4050
4100







4350

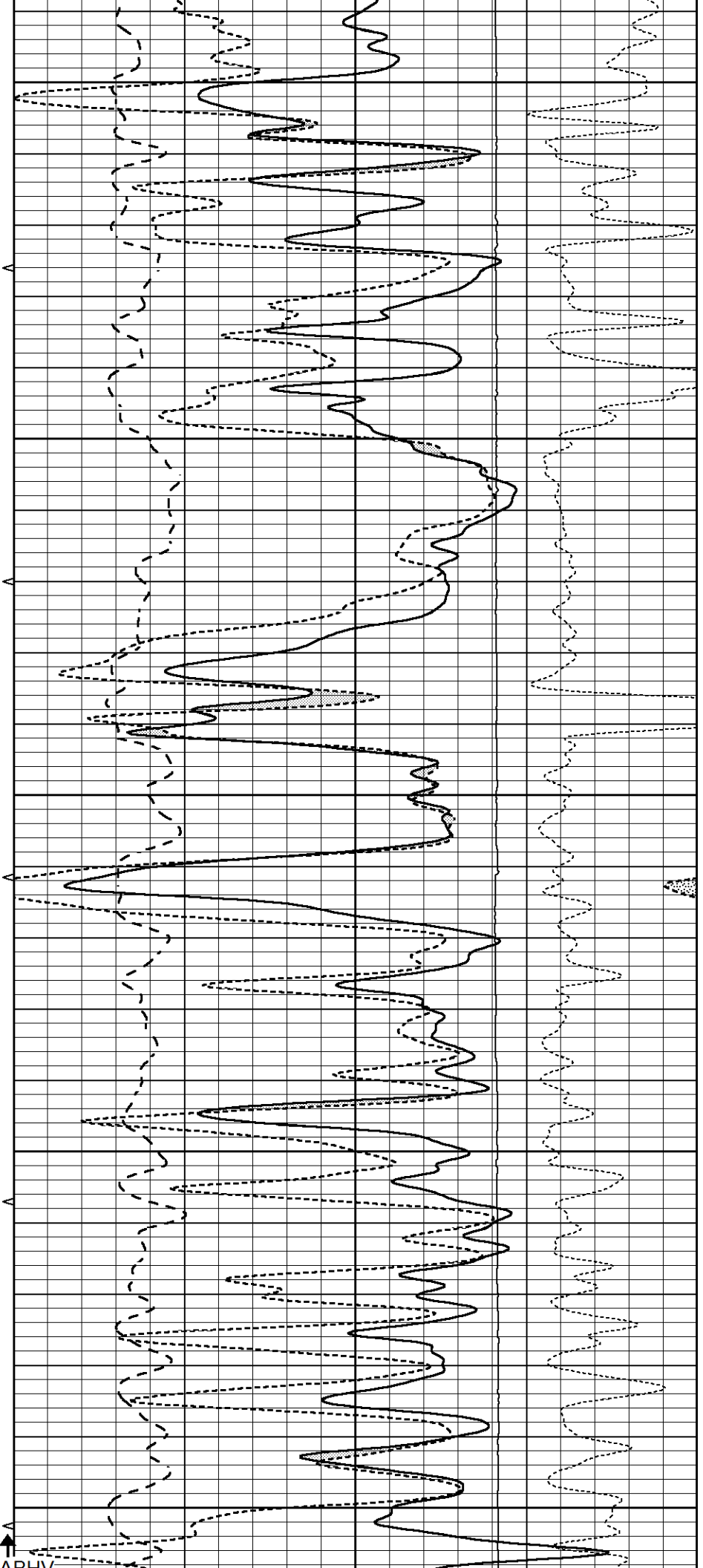
4400

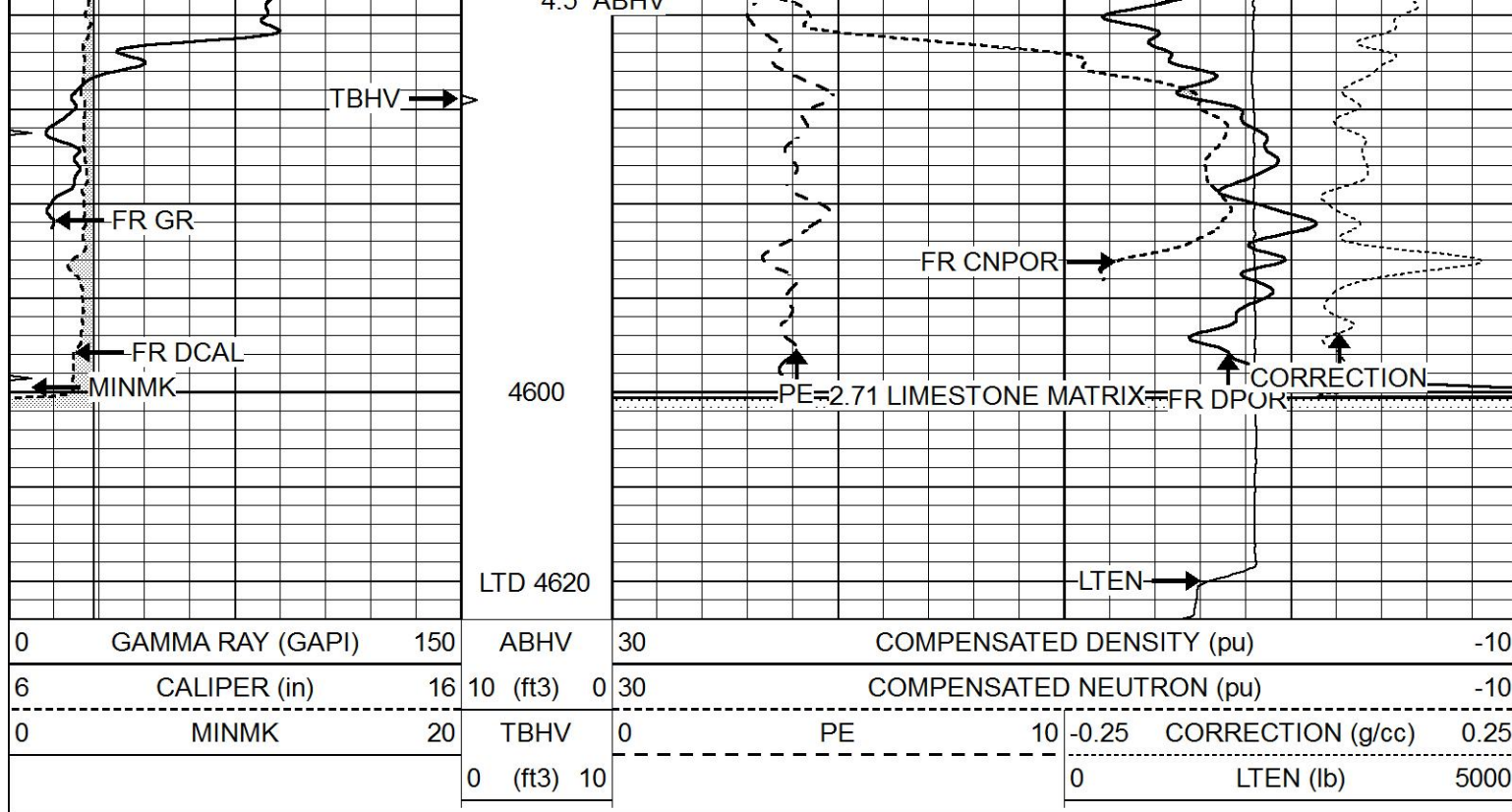
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4500

4550

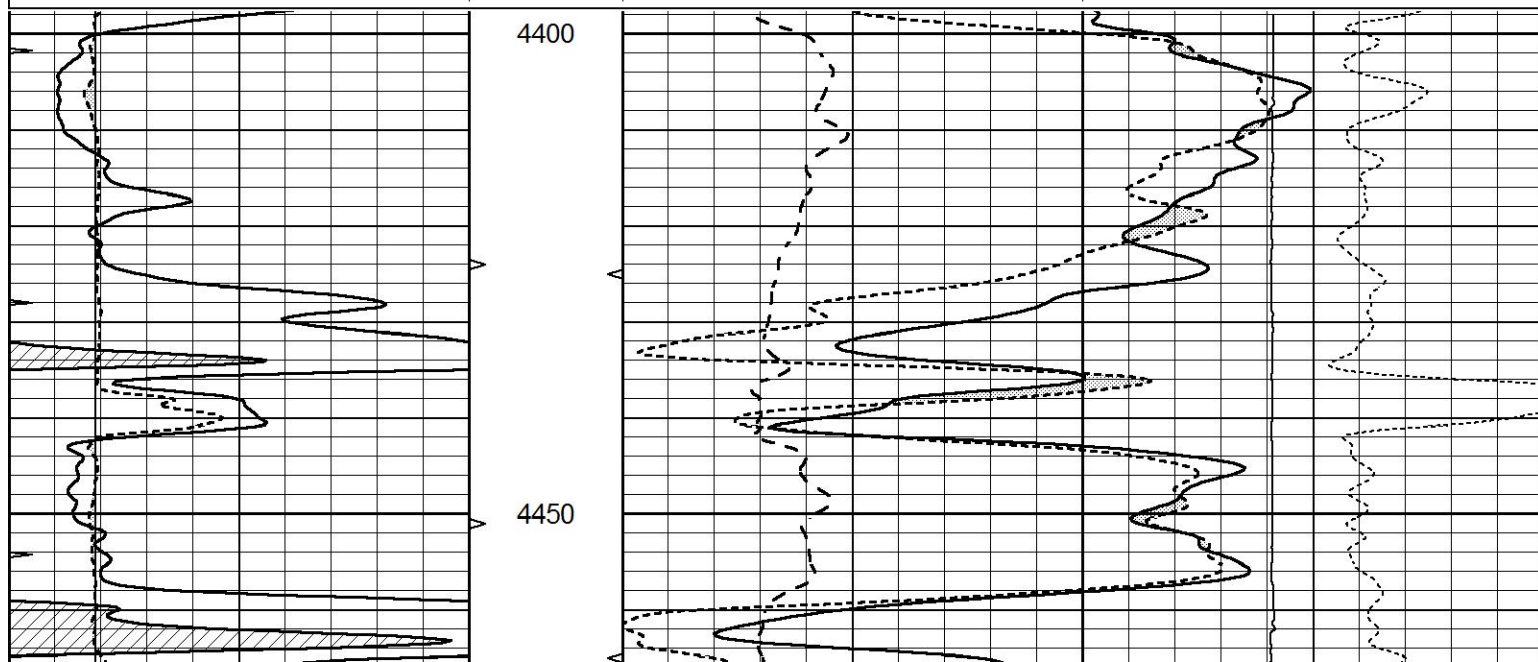
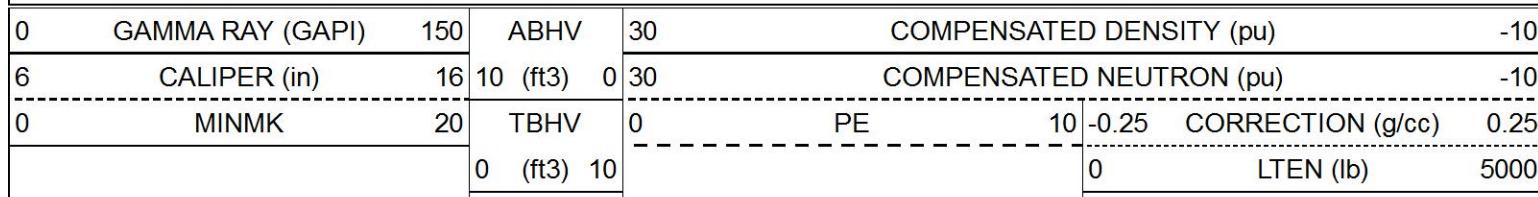
1.5" APLIV

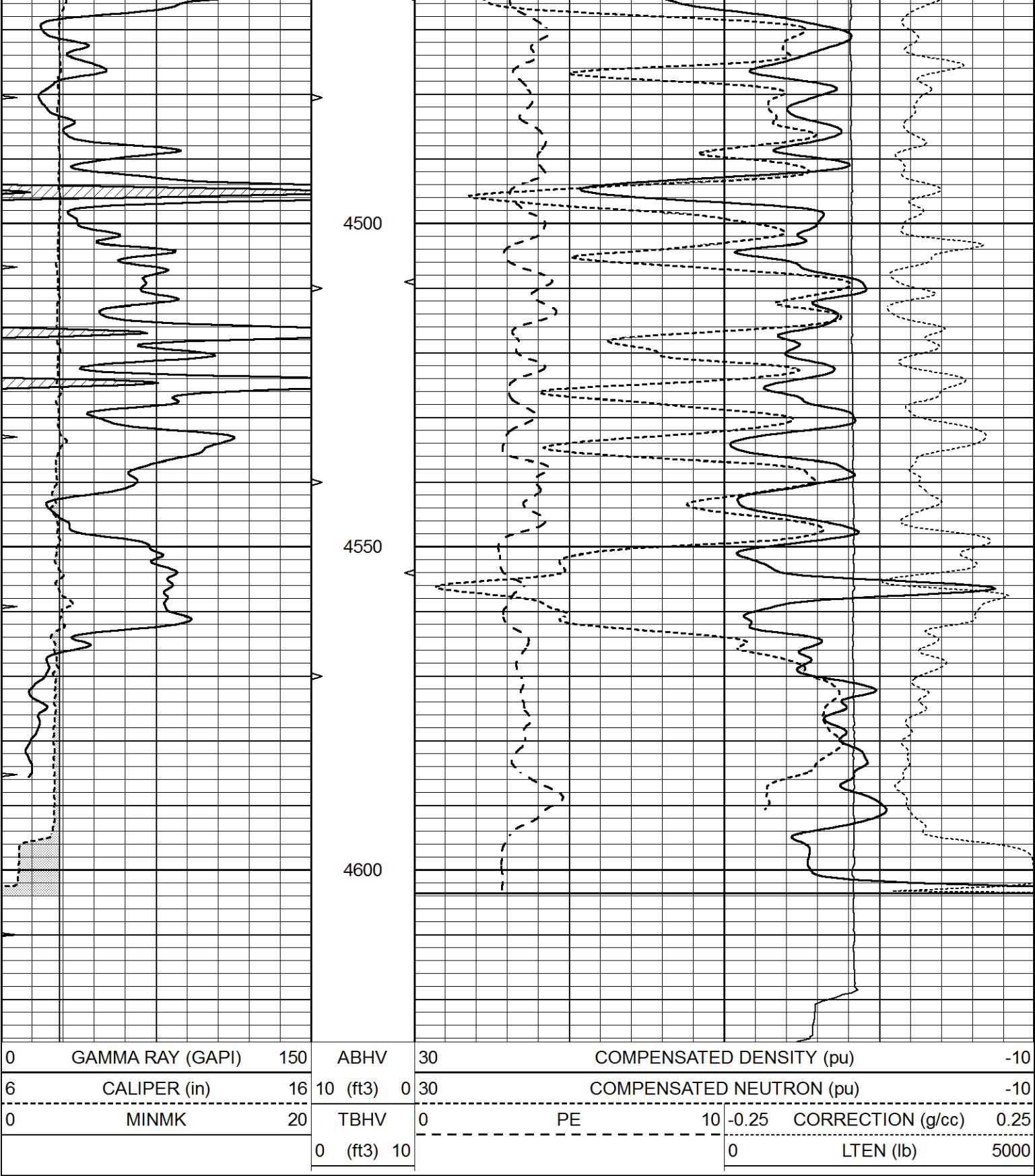




REPEAT SECTION

Database File 8424pe.db
 Dataset Pathname pass2.1R
 Presentation Format _ldt_neu
 Dataset Creation Fri Mar 22 23:14:12 2024
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File 8424pe.db
Dataset Pathname pass3.1M
Dataset Creation Fri Mar 22 23:08:54 2024

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Fri Mar 22 22:23:50 2024
Downhole Cal Performed: Mon Aug 14 00:39:25 2023

Surface Calibration								
Readings			References				Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	12.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	1.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.017	0.657	V	0.000	400.000	mmho/m	625.153	-10.619
Medium	0.016	0.757	V	0.000	464.000	mmho/m	625.992	-9.739

Downhole Calibration								
Readings			References				Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	2.011	405.777	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	7.590	503.393	mmho/m	1.000	0.000
LL3		7.500	V		1500.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		3800.000	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: 004			Model: PRB					

Master Calibration			Performed Tue Aug 02 11:29:35 2022		
	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1154.2	10019.5	3137.9	2795.6	cps
Window 2	1054.4	8597.6	2733.4	2469.5	cps
Window 3	902.3	5241.4	1832.1	1719.3	cps
Window 4	251.9	261.1	255.8	252.9	cps
Long Space	0.0	7543.2	1679.0	1415.0	cps
Short Space	4.4	2049.3	1321.7	1116.8	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 43.7	Rib Slope	: 0.957	Density/Spine Ratio	: 0.562
Spine Angle	: 73.7	Spine Slope	: 3.426	Spine Intercept	: -17.2

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 Pe		0.0000	0.0000	0.0000			

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	cps
Window 2	0.0	0.0	0.0	cps
Window 3	0.0	0.0	0.0	cps
Window 4	0.0	0.0	0.0	cps
Long Space	0.0	0.0	0.0	cps
Short Space	0.0	0.0	0.0	cps
Measured Rho		0.0000	0.0000	g/cc
Measured Correction		0.0000	0.0000	g/cc
Measured Pe			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:	Wed Mar 20 11:08:27 2024			
Calibrator Value:	1.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	1.0	cps		
Sensitivity:	0.3000	GAPI/cps		