COMPENSATED DENSITY/NEUTRON PE LOG

Company DEUTSCH OIL COMPANY
Well THACHER #3-34
Field BAUMAN
County STAFFORD State KANSAS

Location: API # : 15-185-24164-0000

330' FSL & 990' FEL

SEC 34 TWP 25S RGE 11W

Other Services
DIL/MEL
SON/FF

Elevation
K.B. 1837
D.F. 1835
G.L. 1824

Permanent Datum GROUND LEVEL Elevation 1824
Log Measured From KELLY BUSHING 13' A.G.L
Drilling Measured From KELLY BUSHING

Date	10/25/24		
Run Number	ONE		
Depth Driller	4200		
Depth Logger	4200		
Bottom Logged Interval	4176		
Top Log Interval	3200		
Casing Driller	8.675@268		
Casing Logger	268		
Bit Size	7.785		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 7,500 PPM	
Density / Viscosity	9.3/61		
pH / Fluid Loss	10.5/8.8		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.650@91F		
Rmf @ Meas. Temp	.488@91F		
Rmc @ Meas. Temp	.780@91F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.501@118F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	3:45 P.M.		
Maximum Recorded Temperature	118F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	BLAKE MILLER		

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Field BAUMAN
County STAFFORD
State KANSAS

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15-185-24164-0000 Comments

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

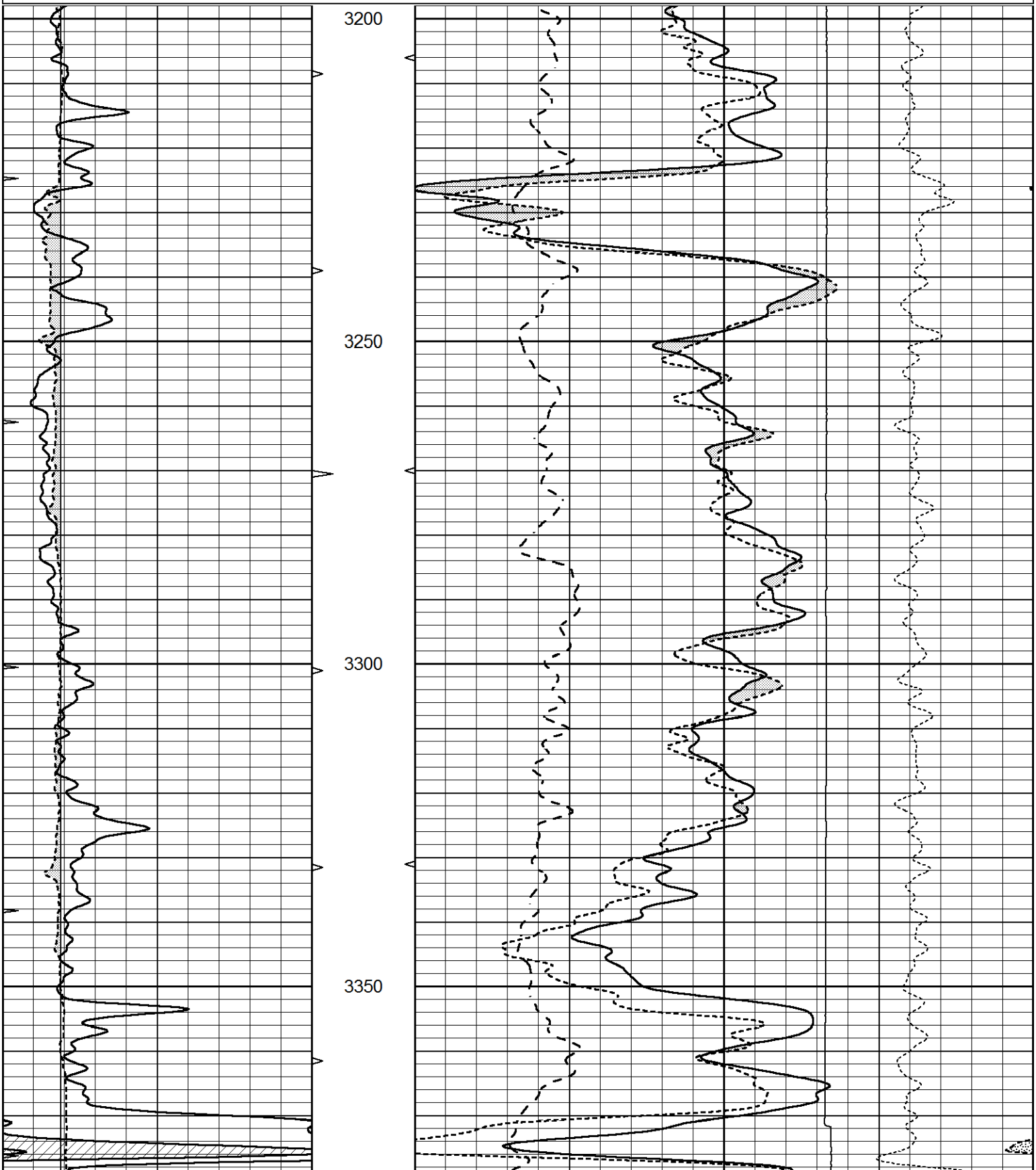
DIRECTIONS

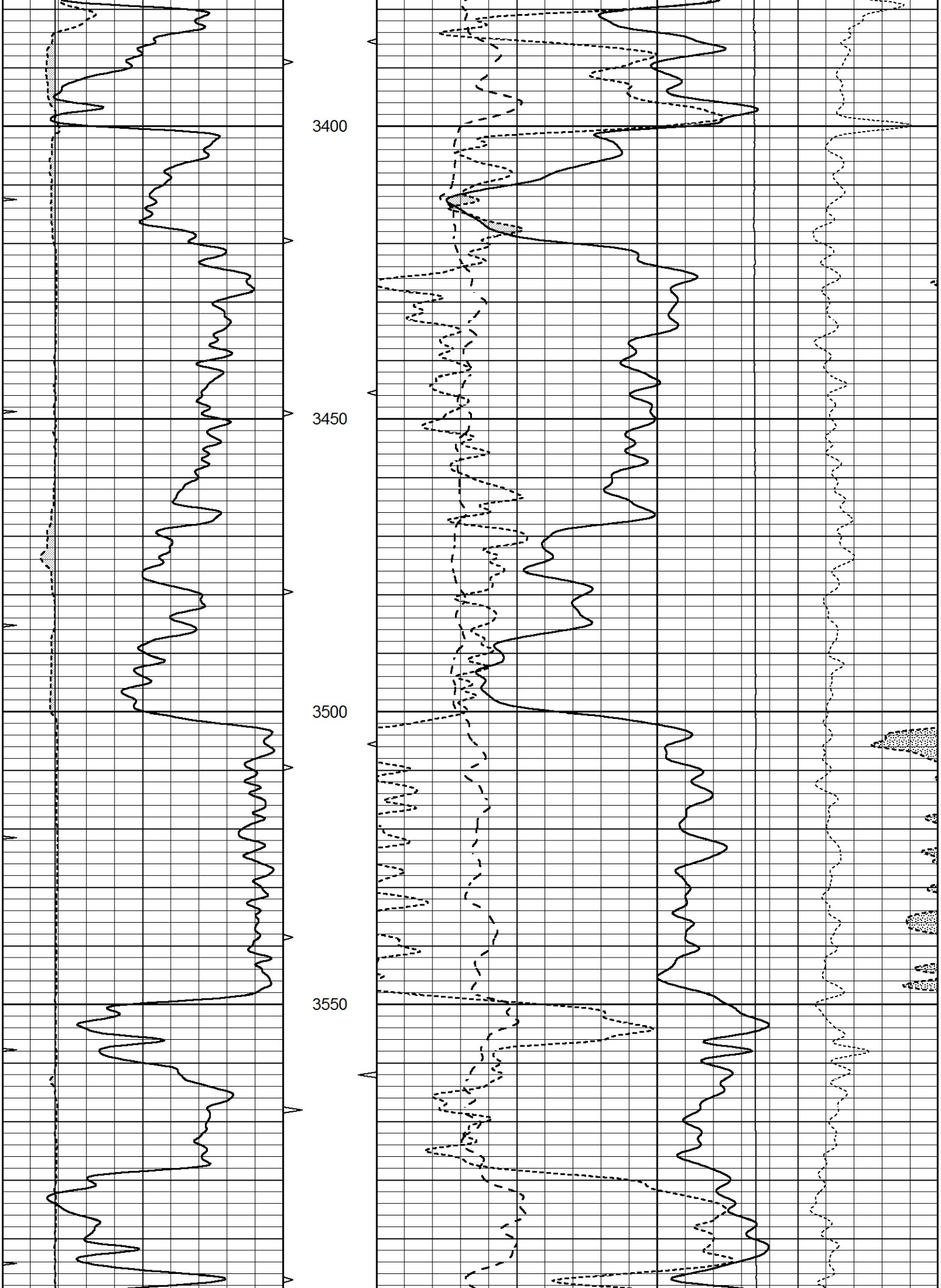
STAFFORD, KS., 9S. ON BLKTOP TO "SE 90TH ST.", 5E. PAST "NE 120TH AVE.", N. INTO

MAIN SECTION

Database File	8960pe.db
Dataset Pathname	pass3.1M
Presentation Format	_ldt_neu
Dataset Creation	Fri Oct 25 17:45:26 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

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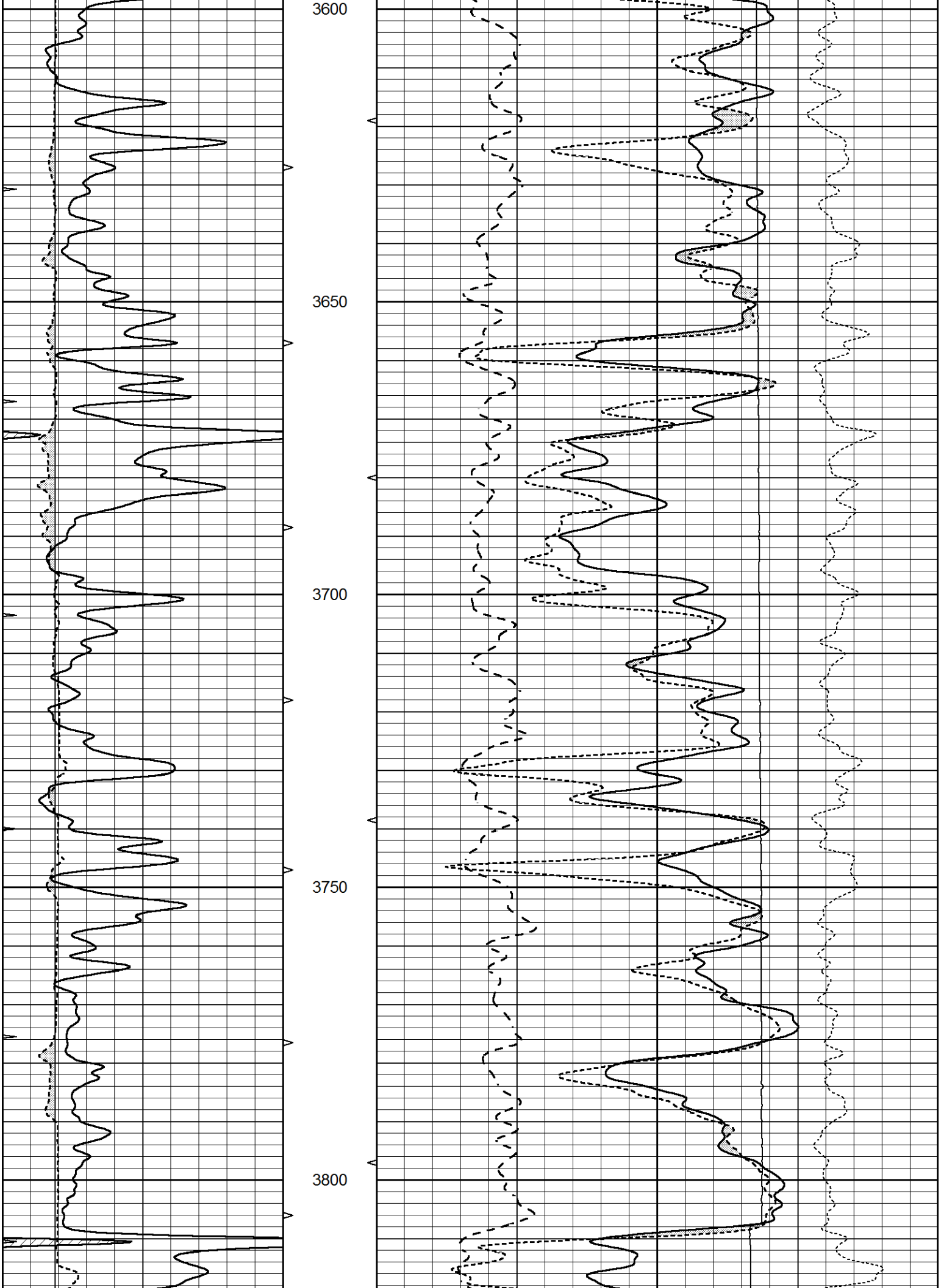
3450
3500
3550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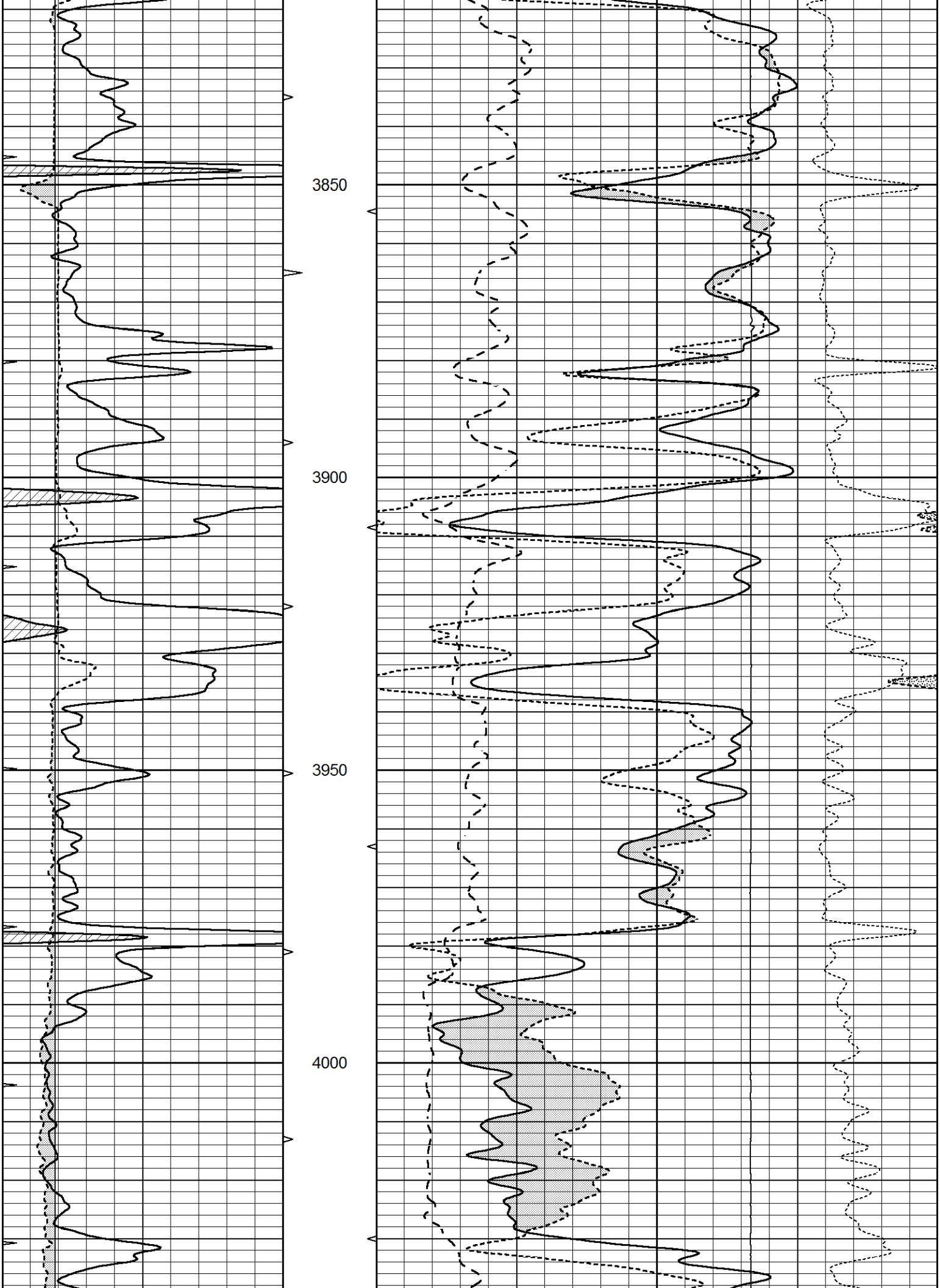
3800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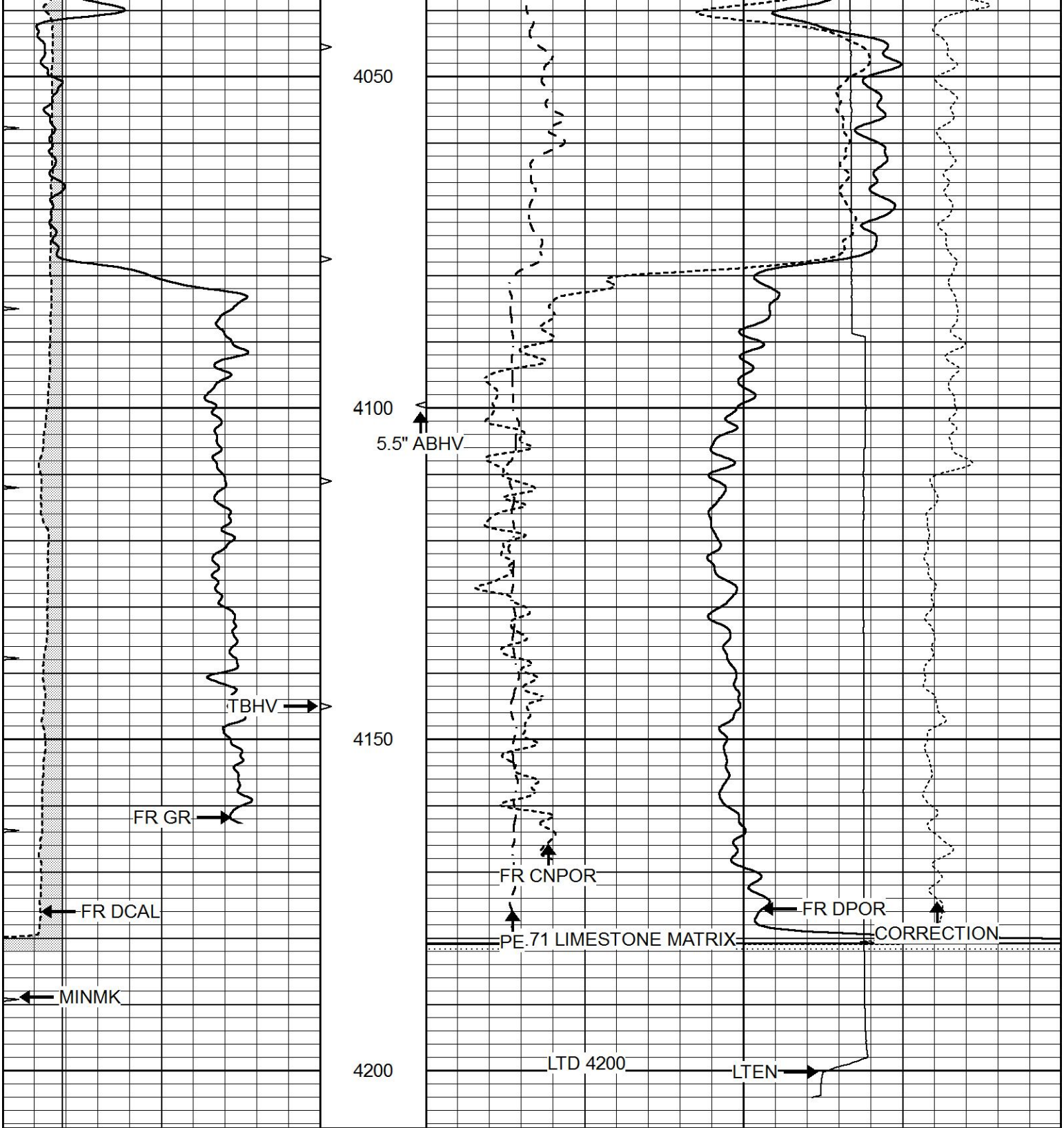


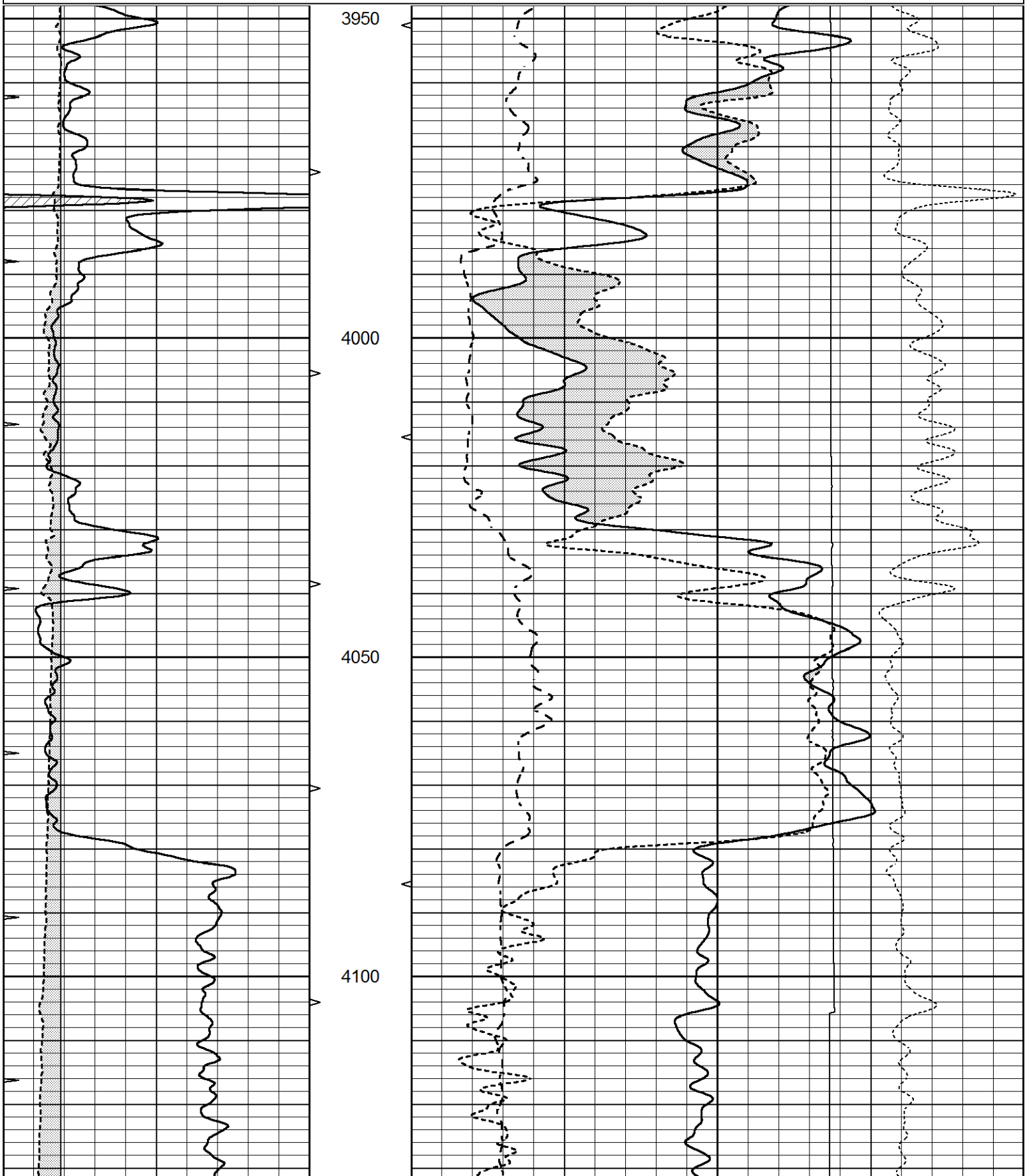
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10	
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10	
0	MINMK	20	TBHV	0	PE 10	-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10			0	LTEN (lb) 5000

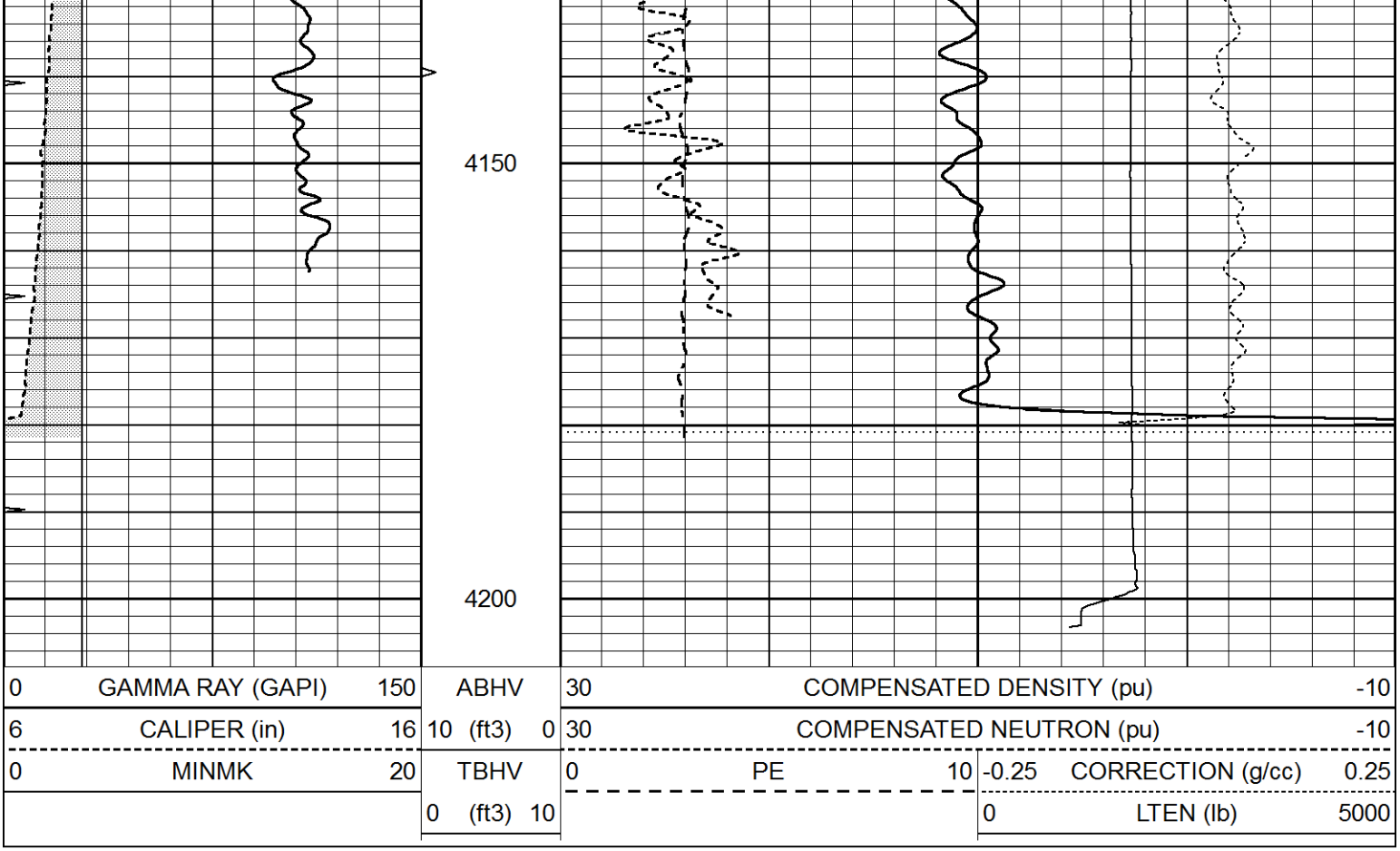
REPEAT SECTION

Database File	8960pe.db

Dataset Pathname	pass2.1R
Presentation Format	_ldt_neu
Dataset Creation	Fri Oct 25 16:51:32 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





Calibration Report

Database File	8960pe.db
Dataset Pathname	pass3.1M
Dataset Creation	Fri Oct 25 17:45:26 2024

Dual Induction Calibration Report

Serial-Model:	PROBE8-DILG
Surface Cal Performed:	Fri Oct 18 15:38:51 2024
Downhole Cal Performed:	Mon Aug 14 00:39:25 2023
After Survey Verification Performed:	Mon Jul 28 11:08:27 2008

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	8.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-8.000
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 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:	070559	
Tool Model:	OPEN_GR	
Performed:	Fri Aug 23 11:44:05 2024	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.3000	GAPI/cps