



**COMPENSATED  
DENSITY/NEUTRON  
PE LOG**

Company SANQUINE RESOURCES, LLC.  
Well ALBERS #1-13  
Field KLEWENO  
County NESS State KANSAS

Location: API #: 15-135-26218-0000  
463' FSL & 695' FWL  
NW - SE - SW - SW  
SEC 13 TWP 17S RGE 22W  
Permanent Datum GROUND LEVEL Elevation 2278  
Log Measured From KELLY BUSHING 7' A.G.L.  
Drilling Measured From KELLY BUSHING  
Other Services  
DILMEL  
SONIC  
Elevation  
K.B. 2285  
D.F. 2283  
G.L. 2278

Date	7/18/24
Run Number	ONE
Depth Driller	4350
Depth Logger	4350
Bottom Logged Interval	4326
Top Log Interval	3500
Casing Driller	8.625@229
Casing Logger	229
Bit Size	7.785
Type Fluid in Hole	CHEMICAL MUD
Density / Viscosity	9.3/60
pH / Fluid Loss	10.5/6.0
Source of Sample	FLOWLINE
Rm @ Meas. Temp	.800@88F
Rmf @ Meas. Temp	.600@88F
Rmc @ Meas. Temp	.960@88F
Source of Rmf / Rmc	MEASUREMENT
Rm @ BHT	.592119F
Time Circulation Stopped	2 HOURS
Time Logger on Bottom	10:00 A.M.
Maximum Recorded Temperature	119F
Equipment Number	922339
Location	HAYS, KANSAS
Recorded By	JEFF LUEBBERS
Witnessed By	SEAN DEENIHAN
	GARRETT GEIST
	ROSS KARLIN

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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.

15-135-26218-0000 Comments

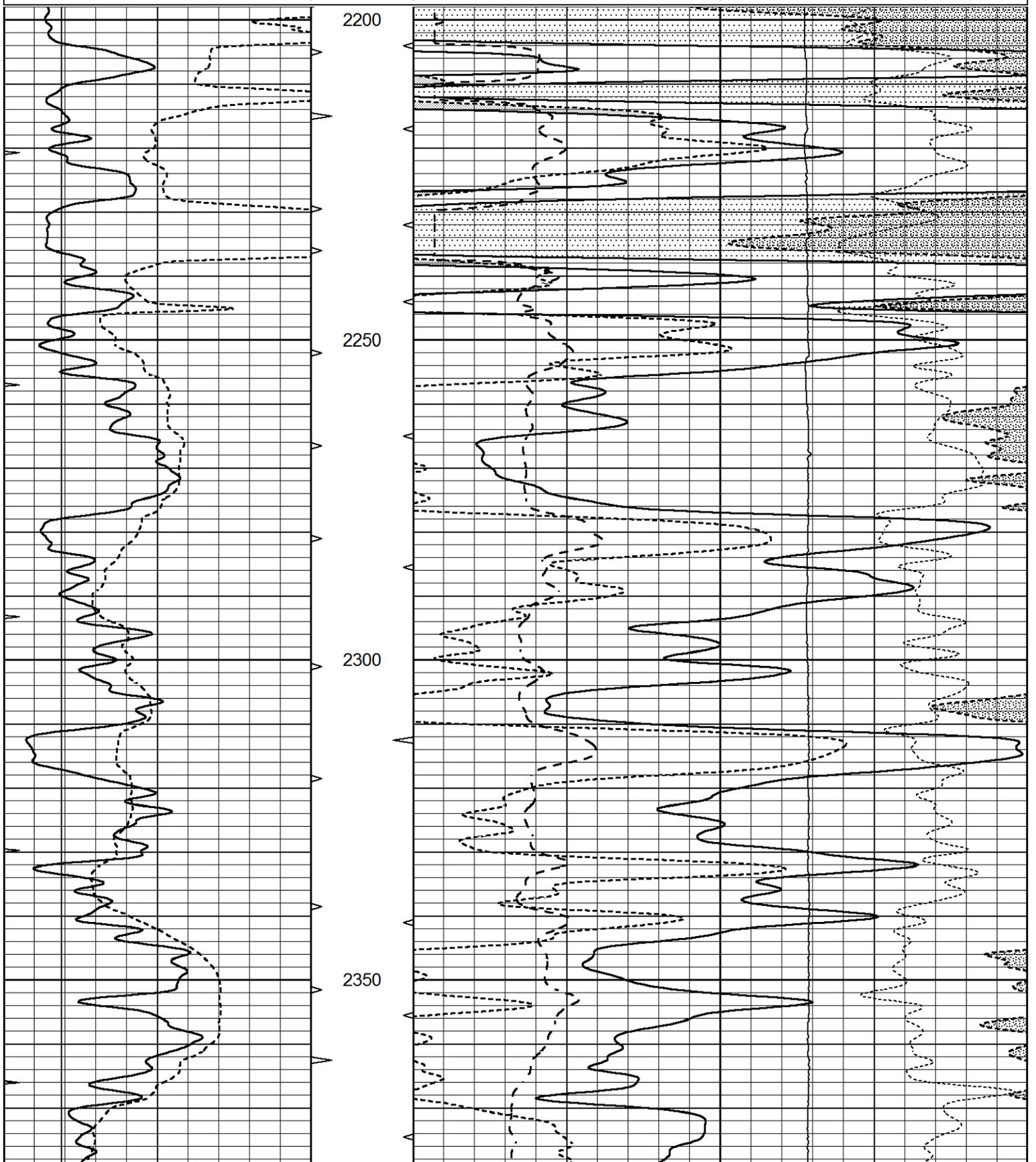
THANK YOU FOR USING ELI WIRELINE HAYS. KANSAS (785) 628-6395  
DIRECTIONS  
BROWNELL, KS., E. ON HWY 4 TO "RD. DD", 5S. TO "RD. 210", 1/2W., N. INTO

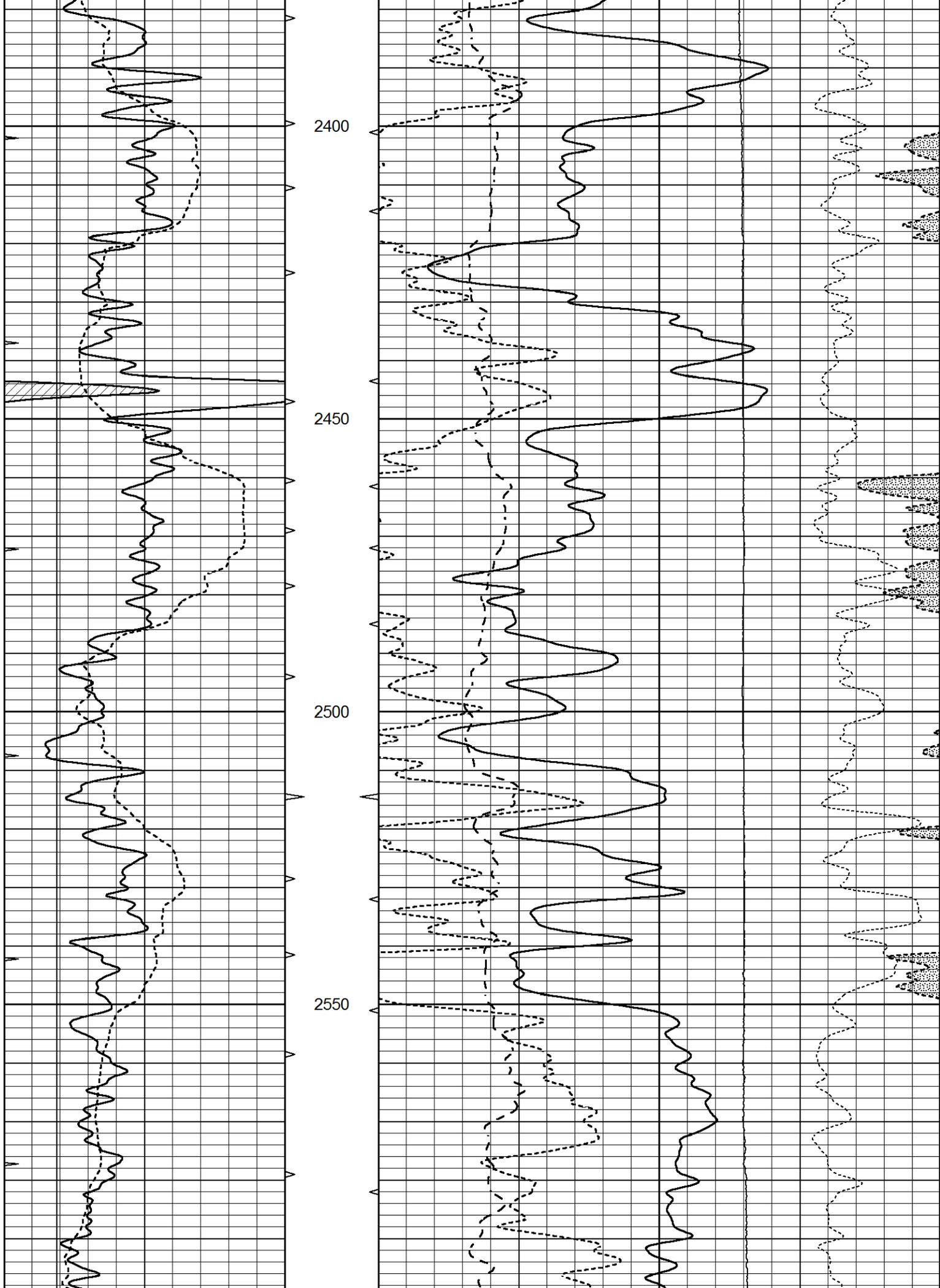


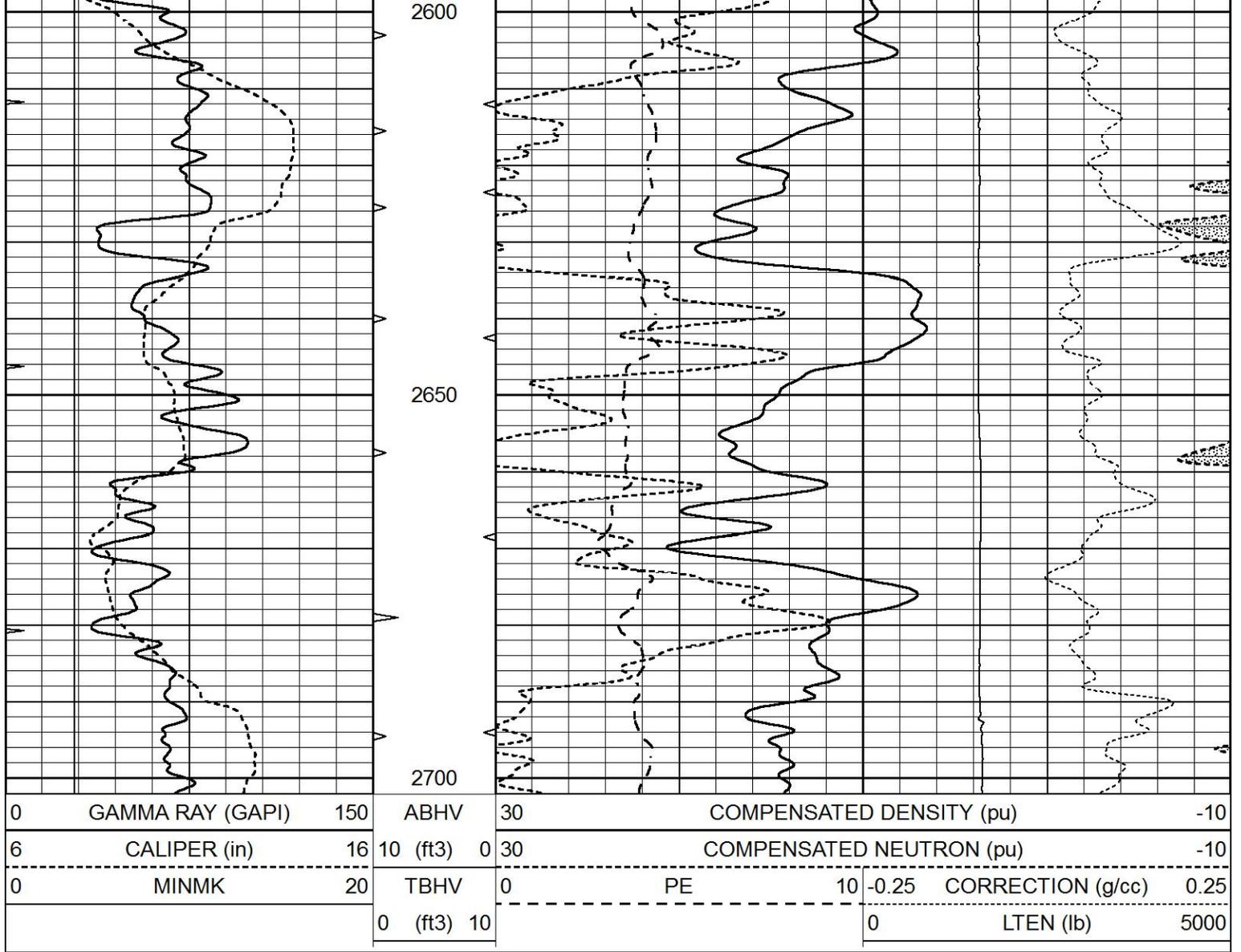
# UPPER SECTION

Database File 8646pe.db  
 Dataset Pathname pass4.1U  
 Presentation Format \_ldt\_neu  
 Dataset Creation Thu Jul 18 12:25:47 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	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



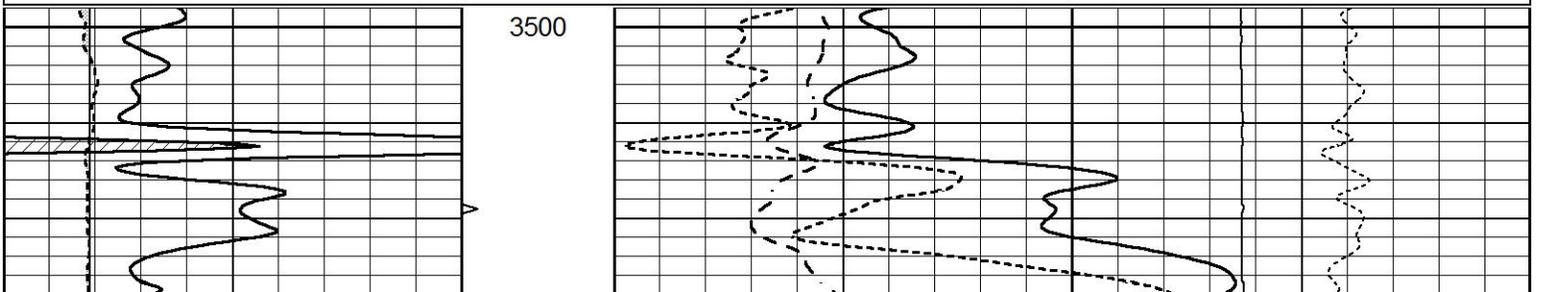


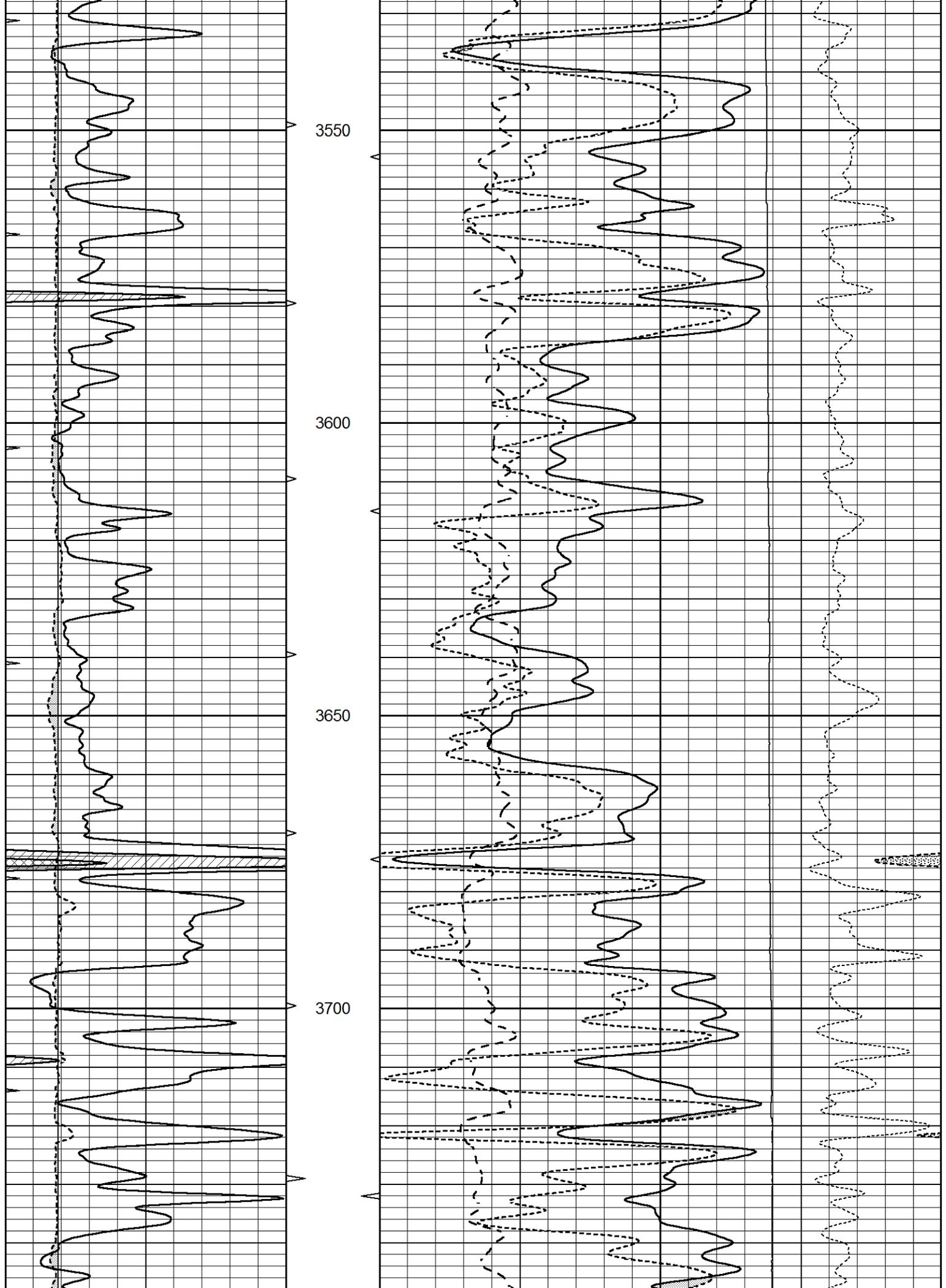


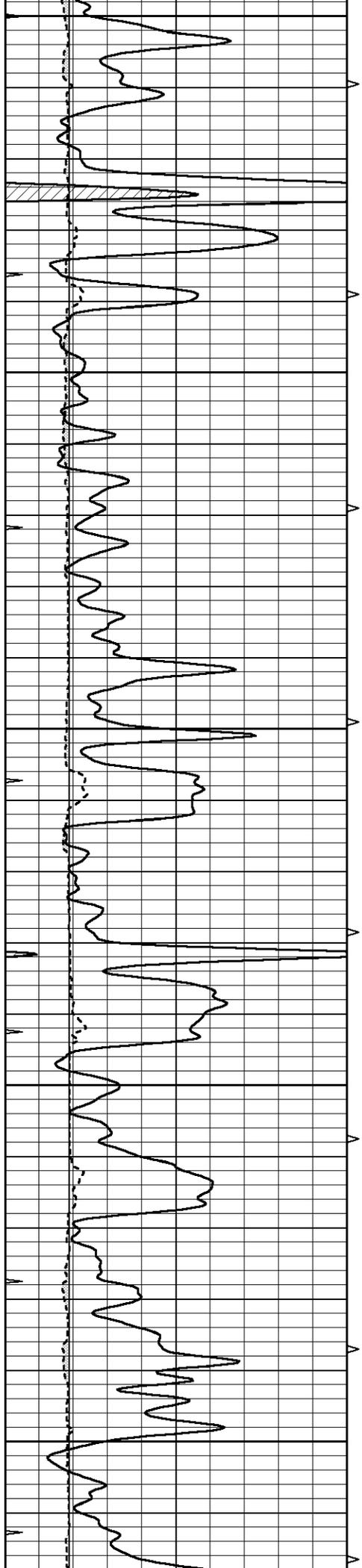
# MAIN SECTION

Database File 8646pe.db  
 Dataset Pathname pass4.1M  
 Presentation Format \_ldt\_neu  
 Dataset Creation Thu Jul 18 12:25:34 2024  
 Charted by Depth in Feet scaled 1:240

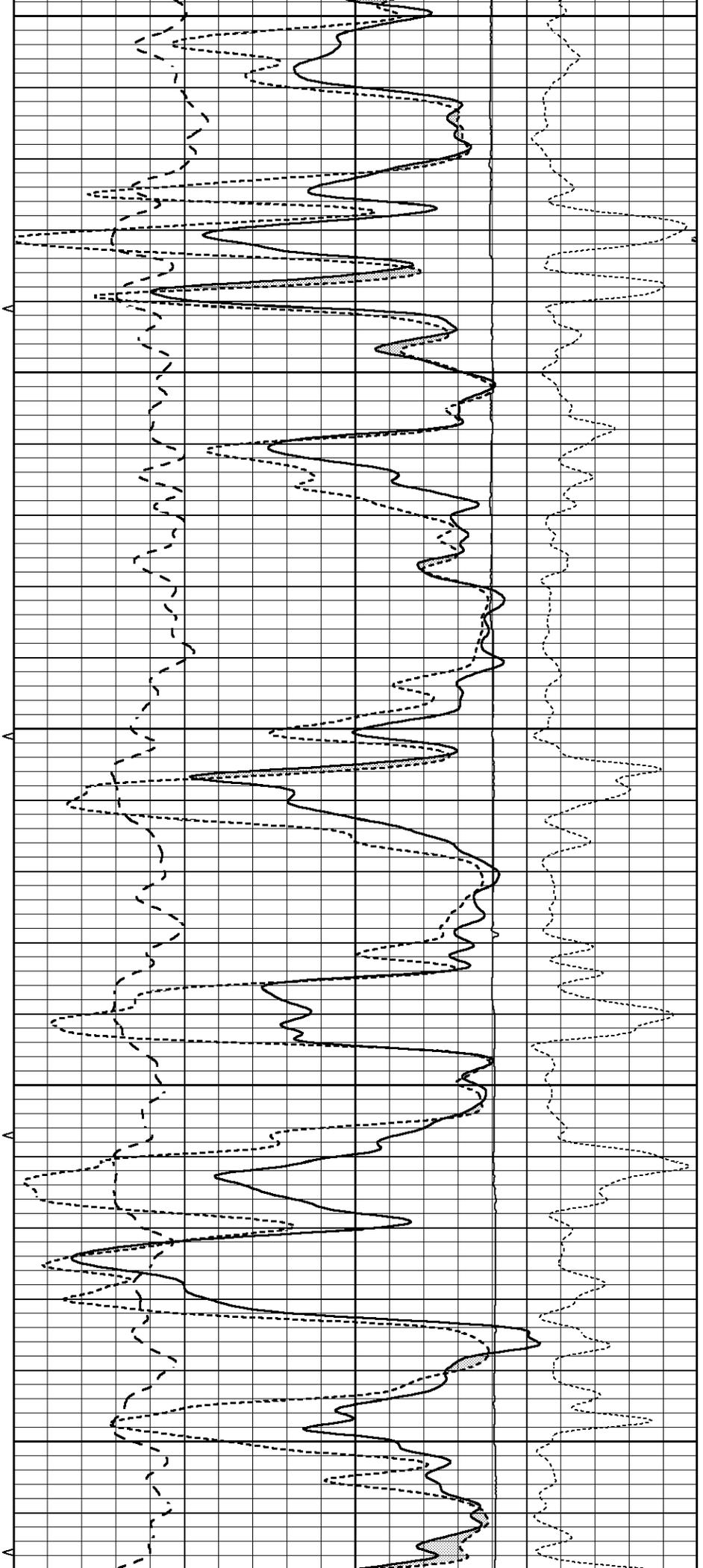
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			0 LTEN (lb) 5000

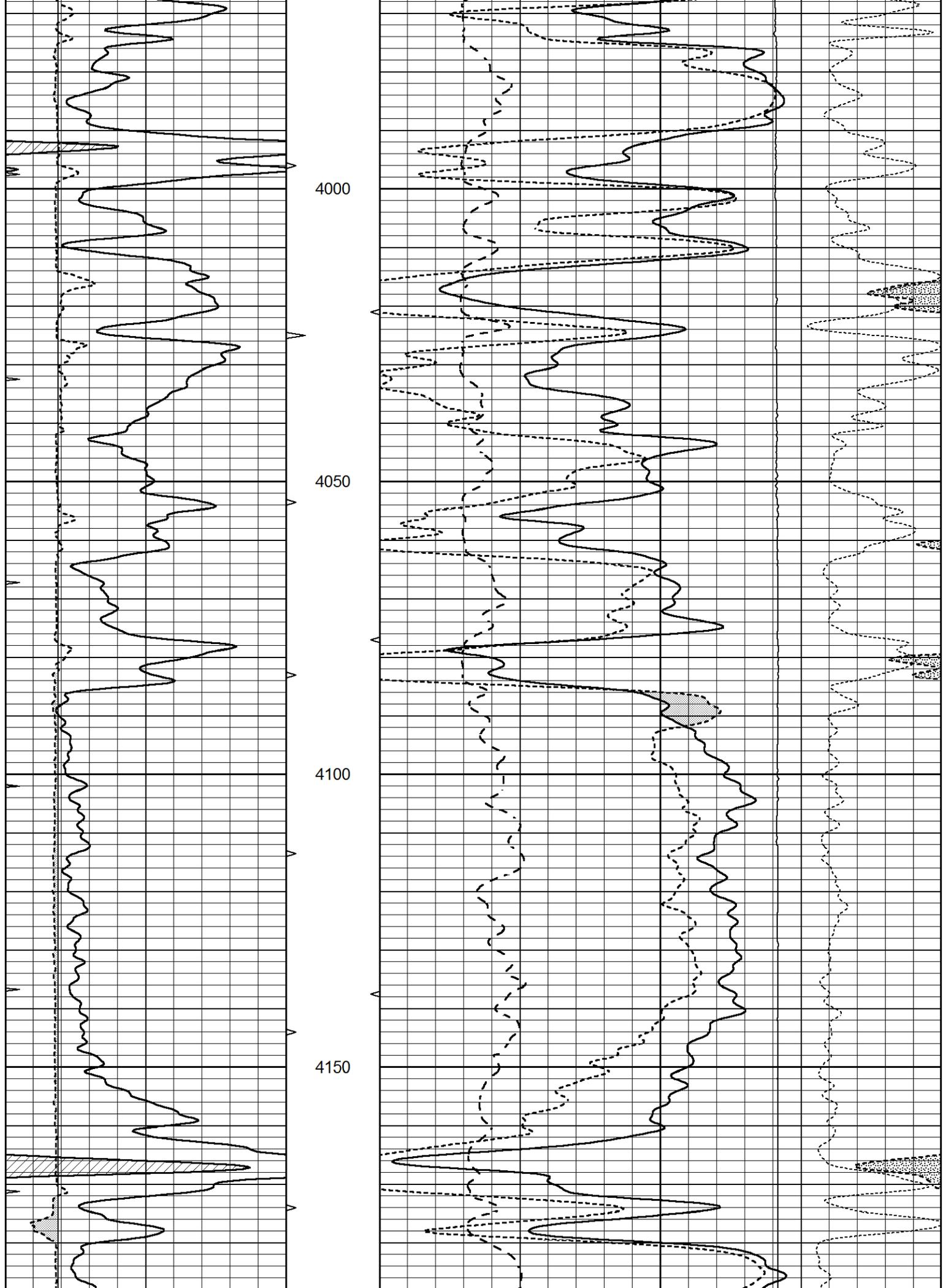


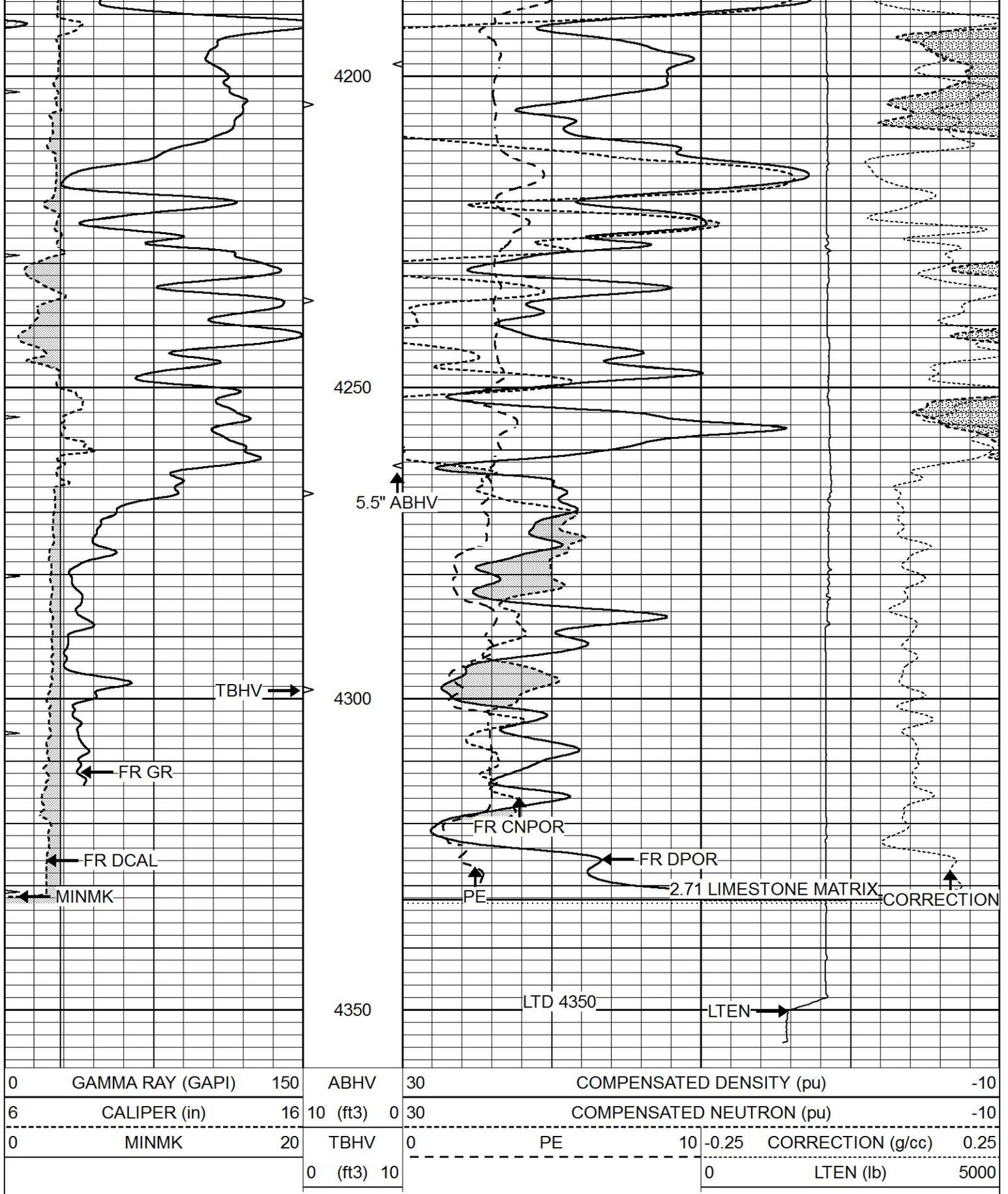




3750  
3800  
3850  
3900  
3950



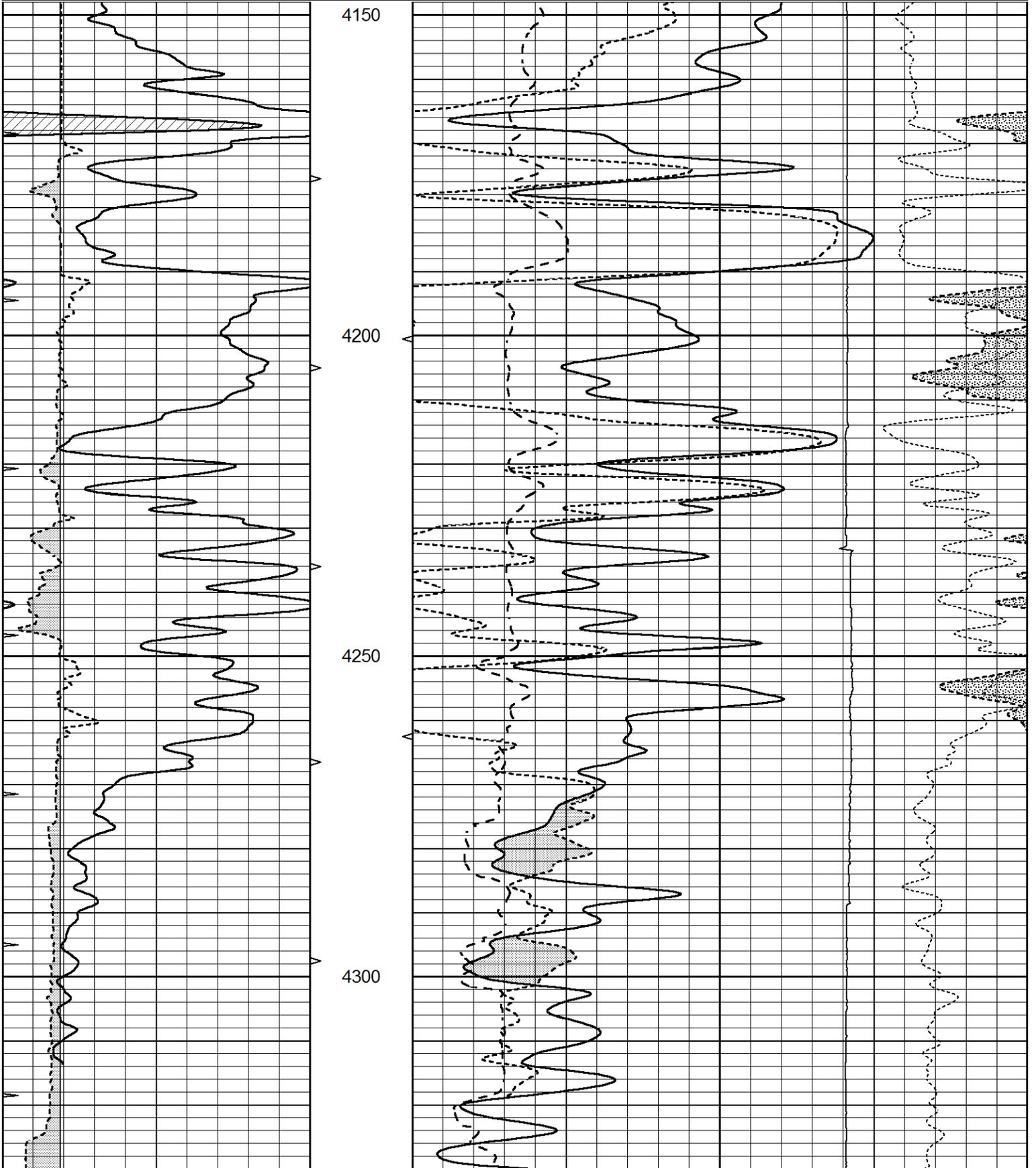


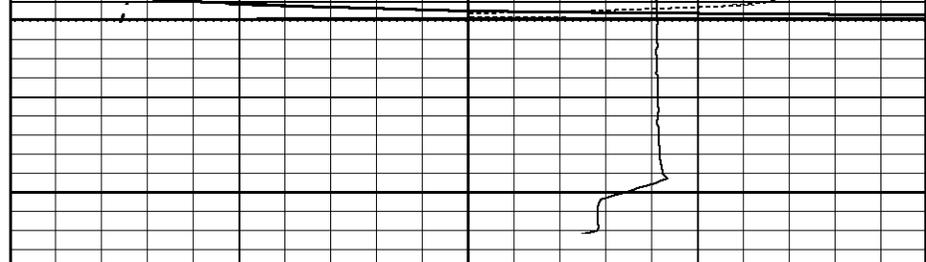


# REPEAT SECTION

Database File 8646pe.db  
 Dataset Pathname pass2.1R  
 Presentation Format \_ldt\_neu  
 Dataset Creation Thu Jul 18 12:23:50 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	10	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3)	10		0	LTEN (lb)	5000



			4350						
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 8646pe.db  
 Dataset Pathname pass4.1M  
 Dataset Creation Thu Jul 18 12:25:34 2024

**Dual Induction Calibration Report**

Serial-Model: PROBE8-DILG  
 Surface Cal Performed: Fri Jul 12 17:47:26 2024  
 Downhole Cal Performed: Mon Aug 14 00:39:25 2023  
 After Survey Verification Performed: Mon Jul 28 11:08:27 2008

**Surface Calibration**

Loop:	Readings				References			Results	
	Air	Loop			Air	Loop		m	b
Deep	0.015	0.648	V	0.000	400.000	mmho/m	660.000	10.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	650.000	-5.000	
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

	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

	Background	Magnesium	Aluminum	Aluminum+Fe	
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

	Background	Magnesium	Aluminum	Aluminum+Fe	
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

Serial Number: 070000  
Tool Model: OPEN\_GR  
Performed: Thu Jun 13 23:56:25 2024

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps

Calibrator Reading: 1.0 cps

Sensitivity: 0.3000 GAPI/cps