



COMPENSATED DENSITY/NEUTRON PE LOG

Company BEREXCO, LLC.

Well WALKER UNIT #7-29

Field CONGDON NORTH

County FINNEY State KANSAS

Location: API #: 15-055-22544-0000

1849' FNL & 1780' FWL
SE - NW - SE - NW

SEC 29 TWP 23S RGE 32W

Permanent Datum GROUND LEVEL Elevation 2842
Log Measured From KELLY BUSHING 9' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC
Elevation
K.B. 2851
D.F. 2849
G.L. 2842

Date 1/13/22

Run Number ONE

Depth Driller 4950

Depth Logger 4946

Bottom Logged Interval 4922

Top Log Interval 3700

Casing Driller 8 5/8" @ 1717'

Casing Logger 1677

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD CHLORIDES 3,800 PPM

Density / Viscosity 9.3/65

pH / Fluid Loss 10.0/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp 1.20@58F

Rmf @ Meas. Temp .900@58F

Rmc @ Meas. Temp 1.44@58F

Source of Rmf / Rmc MEASURED

Rm @ BHT .557@125F

Time Circulation Stopped 3 HOURS

Time Logger on Bottom 1:30 A.M.

Maximum Recorded Temperature 125F

Equipment Number 922339

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By PETE VOLLMER

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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.

15-055-22544-0000

Comments

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

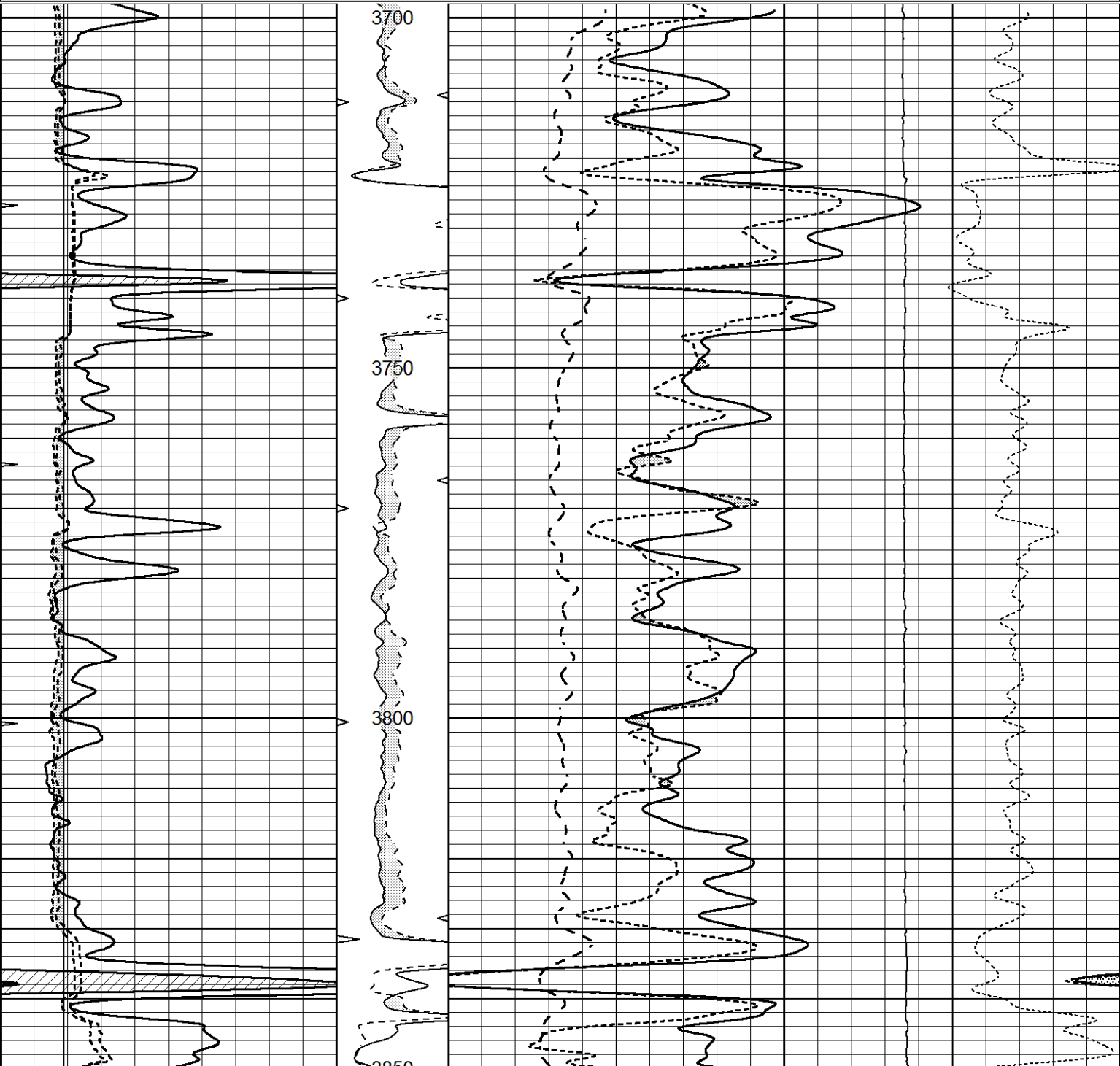
DIRECTIONS

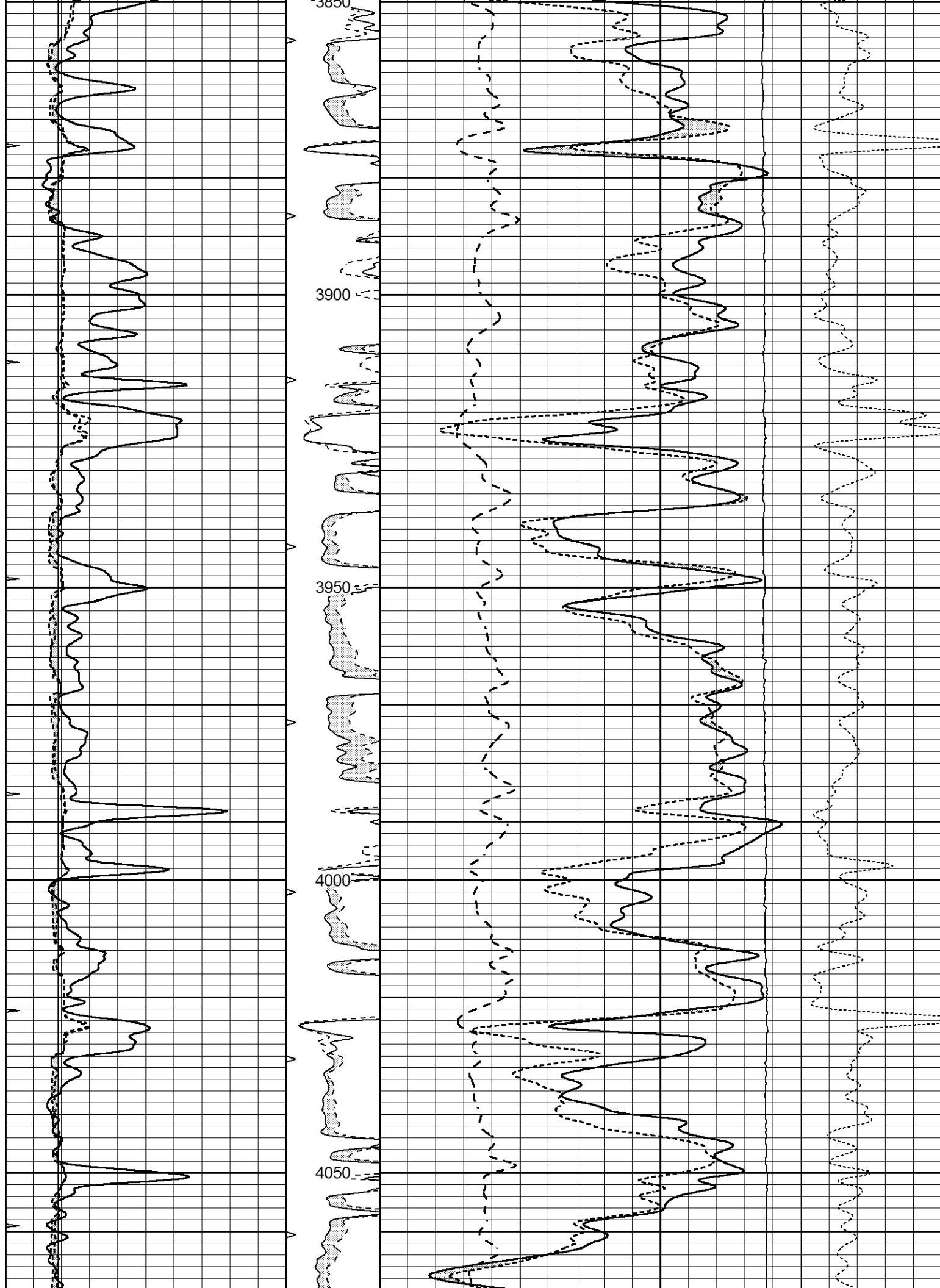
GARDEN CITY, KS., 3N. ON HWY 83 TO "LOWE RD.", 1E. TO "THIRD ST.", 1/2S., E. INTO

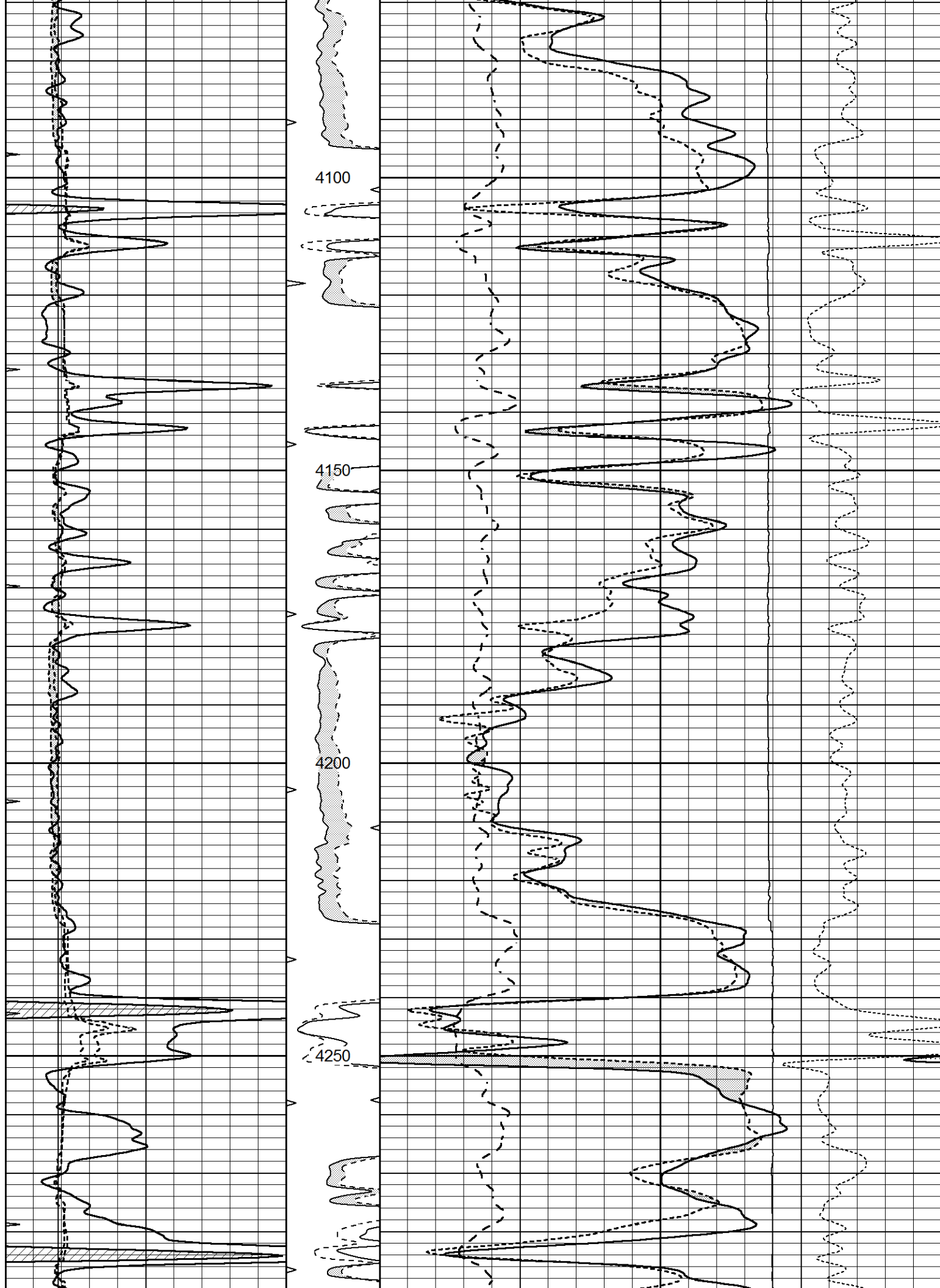


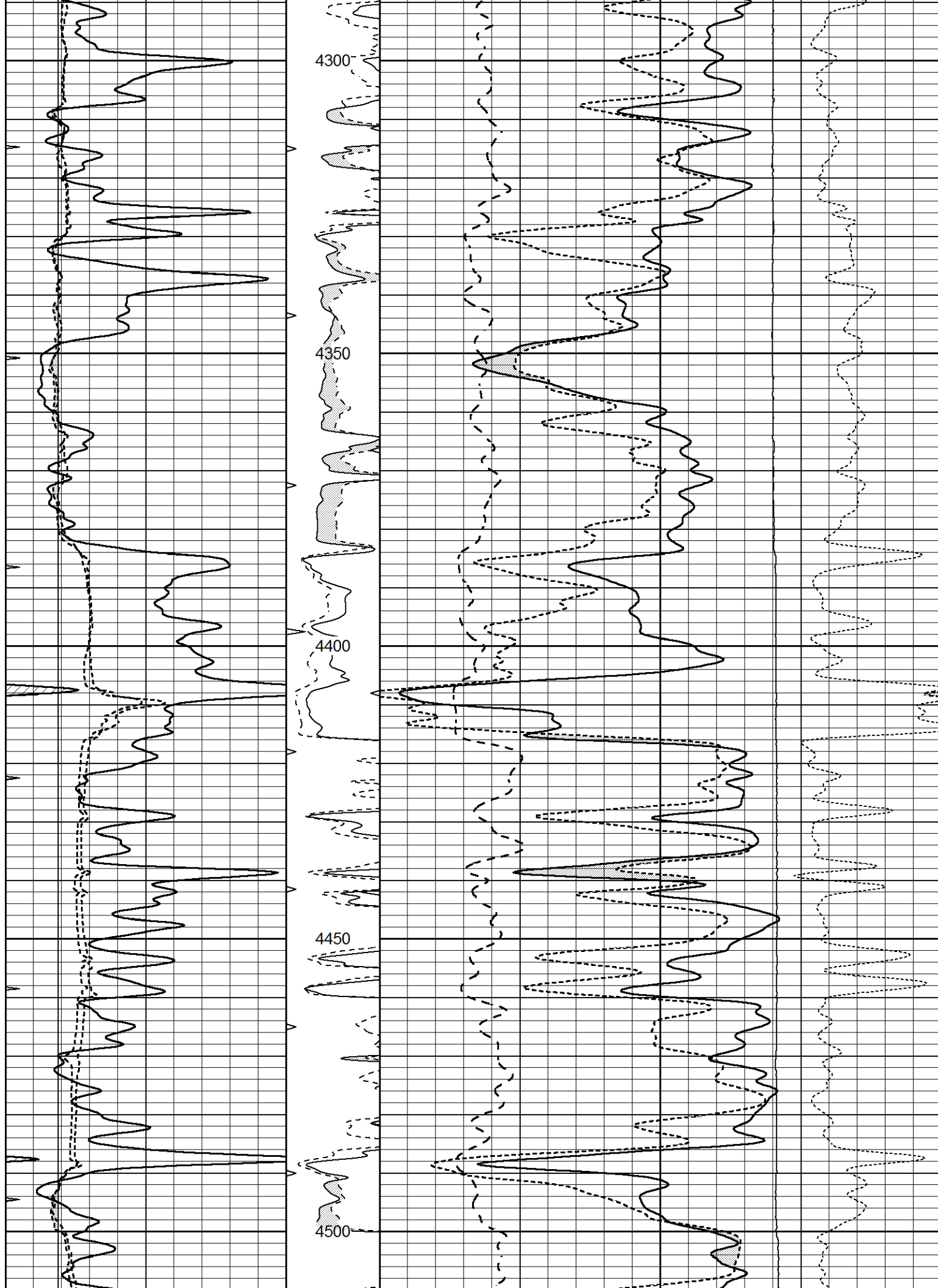
MAIN SECTION

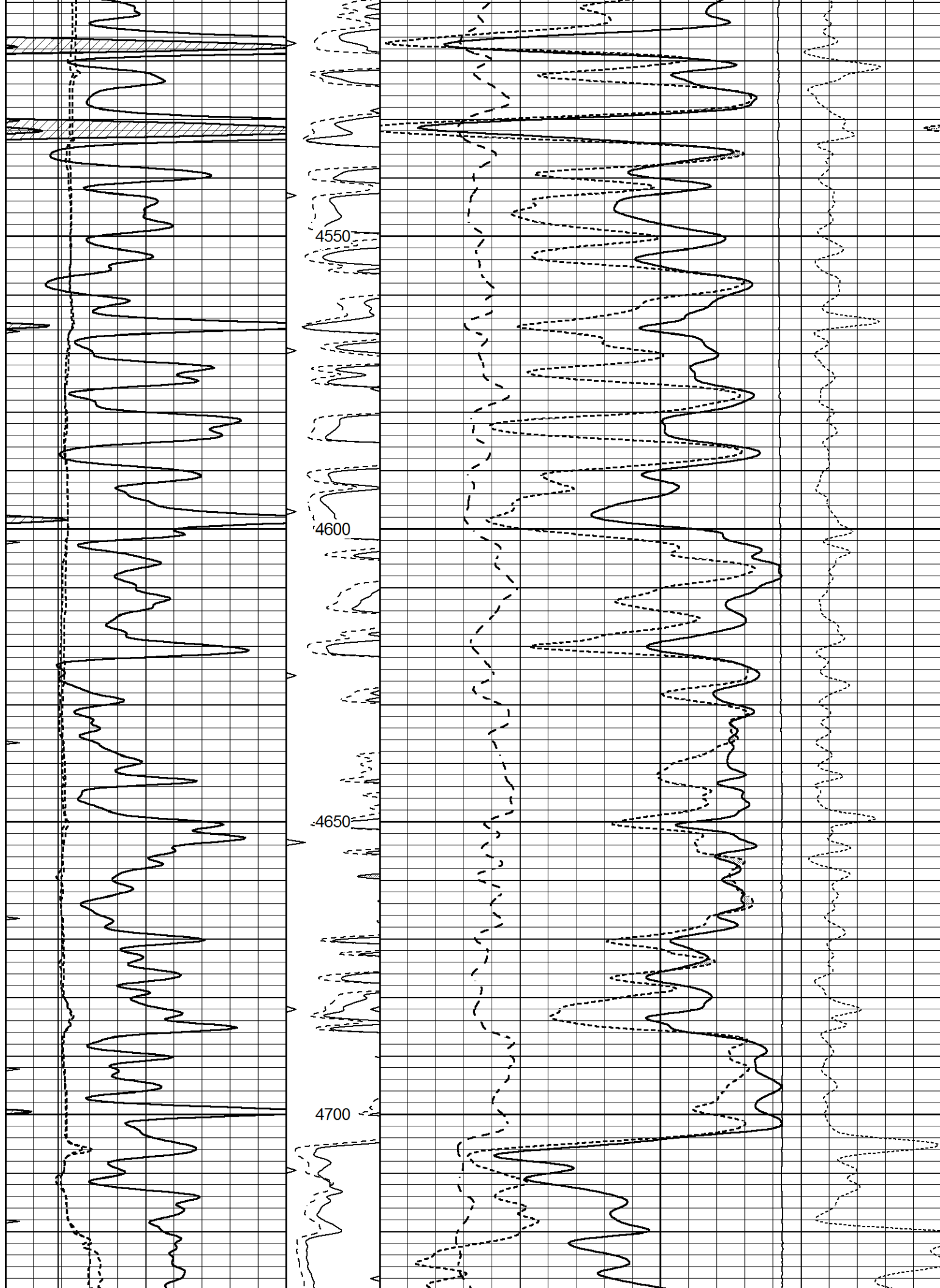
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10
6	CALIPER (in)	16	0 (ft3) 10		-0.25	CORRECTION (g/cc) 0.25
					0	LTEN (lb) 5000
			MEL15 (Ohm-m) 0 20			
			MEL20 (Ohm-m) 0 20			

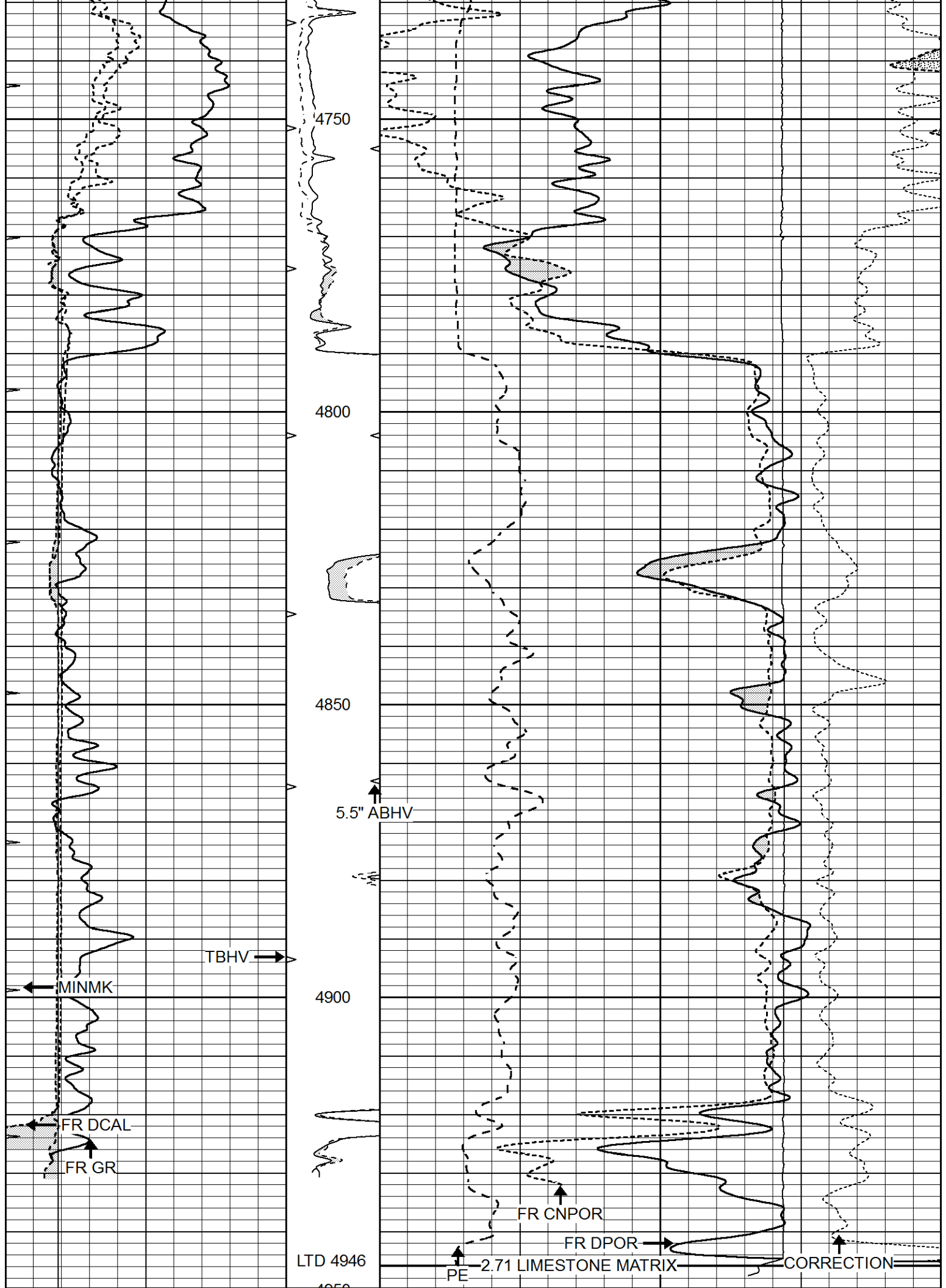












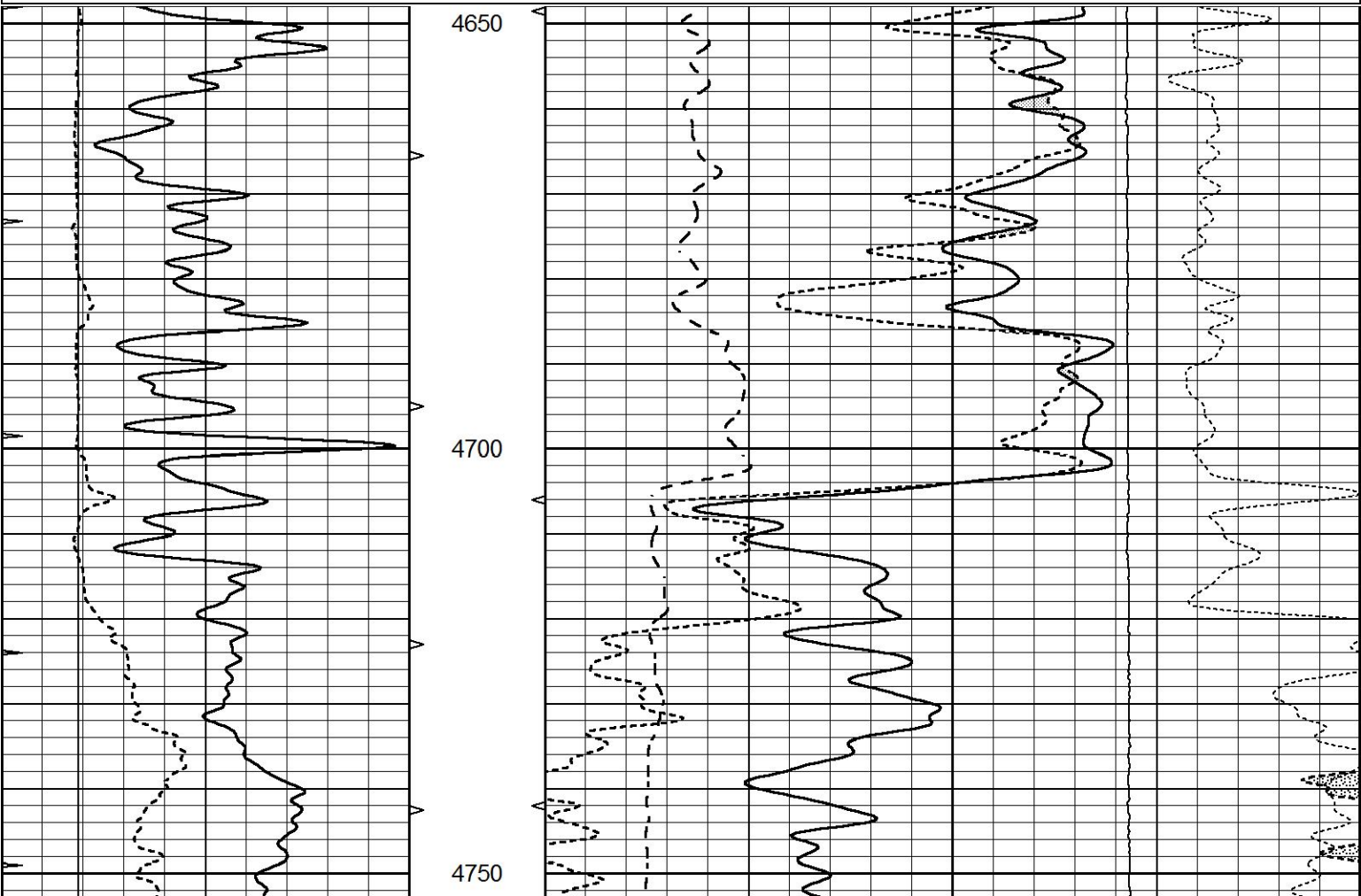
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)	-10
6	CALIPER (in)	16	10 (ft3) 0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV	0	PE	10 -0.25 CORRECTION (g/cc) 0.25
6	CALIPER (in)	16	0 (ft3) 10		0	LTEN (lb) 5000
			MEL15 (Ohm-m)			
			0 20			
			MEL20 (Ohm-m)			
			0 20			

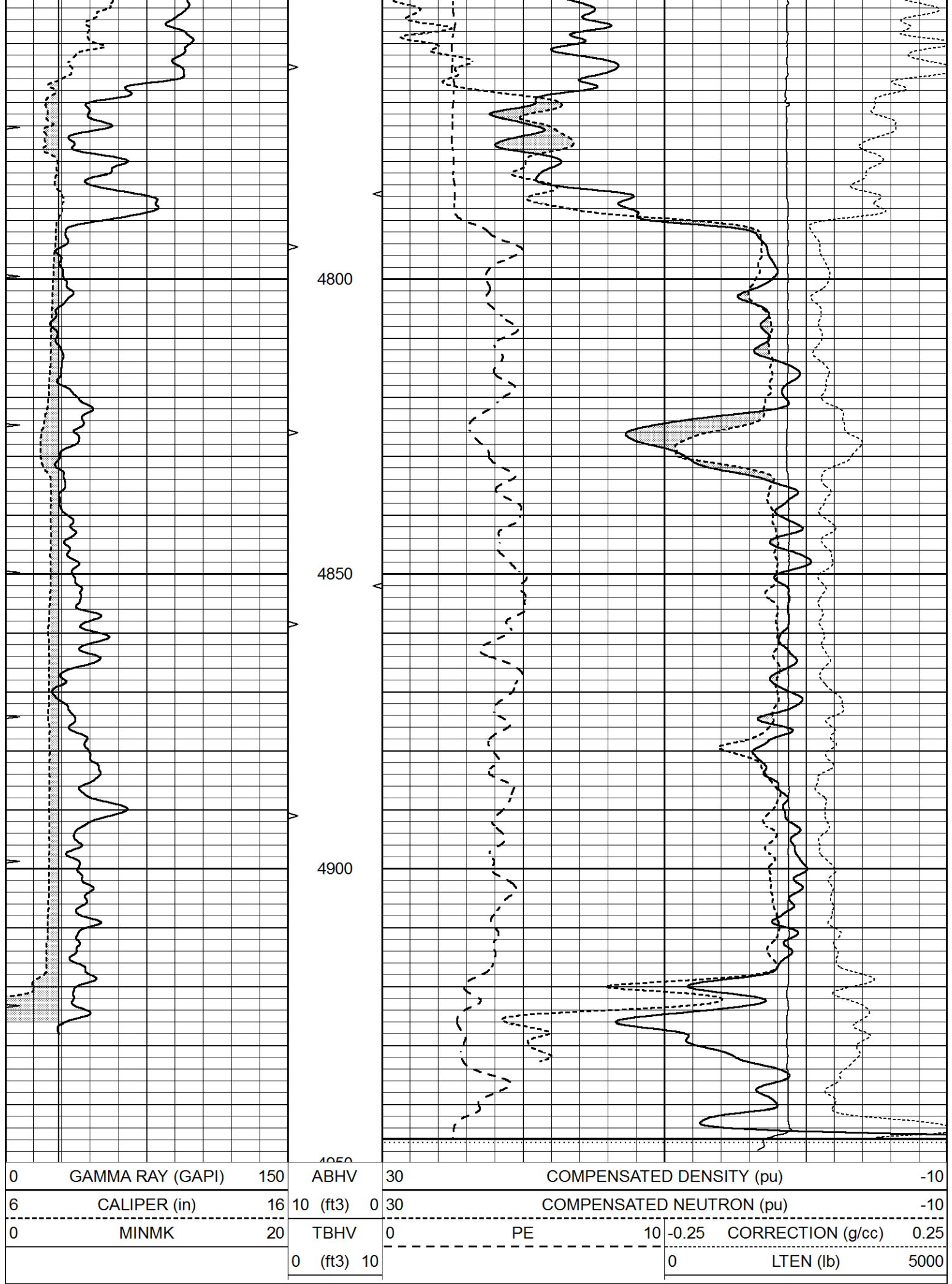


REPEAT SECTION

Database File	5934pe.db
Dataset Pathname	pass5.1R
Presentation Format	ldt_neu
Dataset Creation	Thu Jan 13 04:00:25 2022
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 5934pe.db
Dataset Pathname pass6.2M
Dataset Creation Thu Jan 13 06:16:56 2022

Litho Density Calibration Report Serial: 001 Model: PRB

Master Calibration

Performed Mon May 11 11:33:29 2020

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1593.8	10211.9	3449.0	3132.1	cps
Window 2	1486.7	8824.2	3065.6	2829.4	cps
Window 3	1206.8	4705.7	1944.6	1871.7	cps
Window 4	361.0	367.9	364.8	363.1	cps
Long Space	0.0	7337.5	1578.9	1342.7	cps
Short Space	2.7	2543.4	1657.9	1382.7	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 44.4	Rib Slope	: 0.980	Density/Spine Ratio	: 0.552
Spine Angle	: 74.4	Spine Slope	: 3.590	Spine Intercept	: -19.2

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:	070558		
Tool Model:	OPEN_GR		
Performed:	Thu Jan 13 03:56:07 2022		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.2800	GAPI/cps	