



COMPENSATED DENSITY/NEUTRON LOG

Company DOWNING - NELSON OIL COMPANY, INC.

Well HFI #4-27

Field UNNAMED

County RAWLINS State KANSAS

Location: API #: 15-153-21344-0000

1894' FNL & 2000' FEL

SE - NW - SW - NE

SEC 27 TWP 4S RGE 36W

Other Services
DIL/MEL

Elevation

K.B. 3364

D.F. 3362

G.L. 3353

Permanent Datum GROUND LEVEL Elevation 3353
Log Measured From KELLY BUSHING 11' A.G.L.
Drilling Measured From KELLY BUSHING

Date 11/24/24

Run Number ONE

Depth Driller 4820

Depth Logger 4820

Bottom Logged Interval 4796

Top Log Interval 3600

Casing Driller 8.625@475

Casing Logger 475

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.3/63

pH / Fluid Loss 8.5/8.0

Source of Sample FLOWLINE

Rm @ Meas. Temp 3.00@75F

Rmf @ Meas. Temp 2.25@75F

Rmc @ Meas. Temp 3.60@75F

Source of Rmf / Rmc MEASUREMENT

Rm @ BHT 1.83@123F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 8:30 A.M.

Maximum Recorded Temperature 123F

Equipment Number 8916

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By MARC DOWNING

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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.

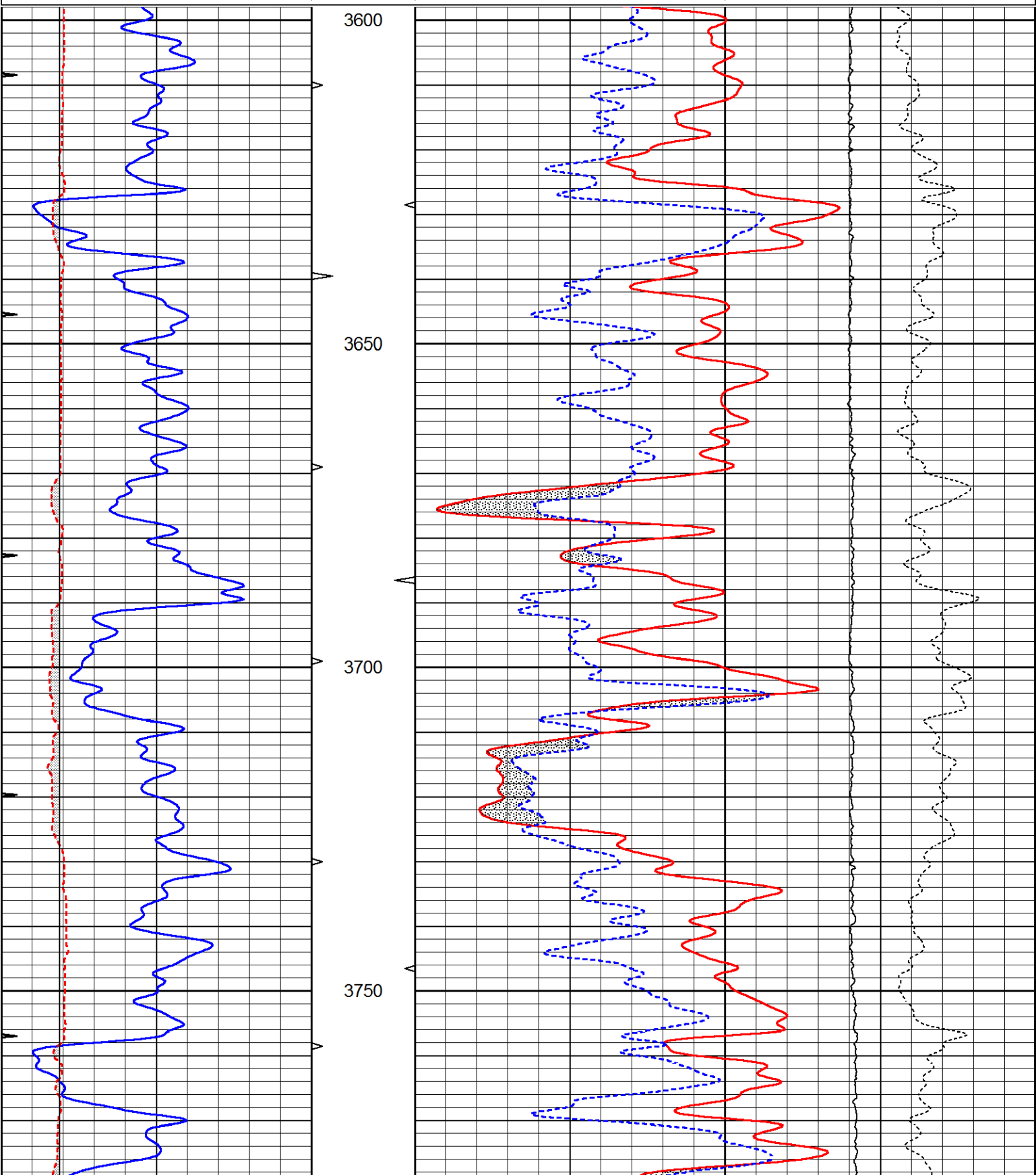
Comments

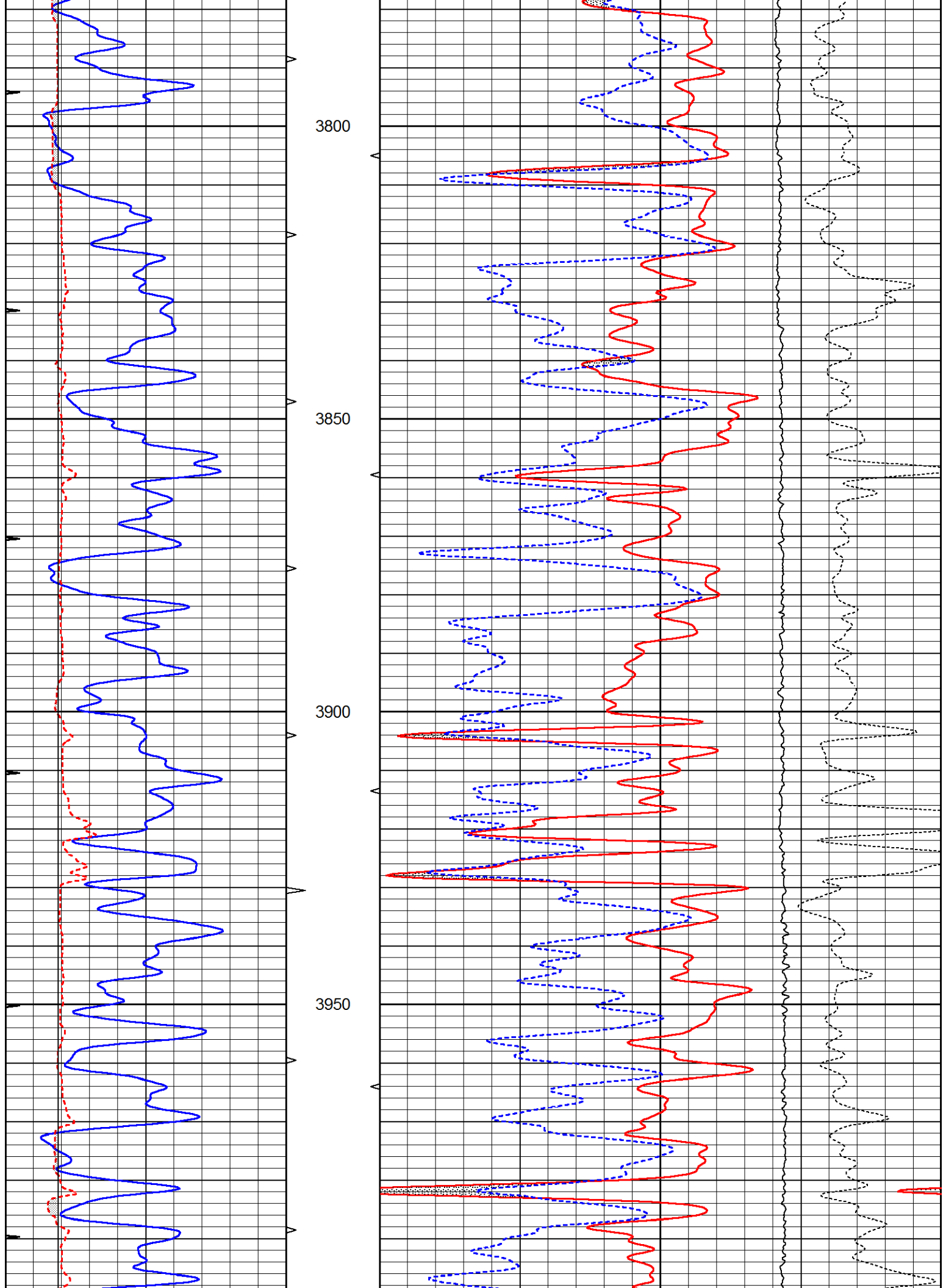
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
BREWSTER & I-70, N. TO "RD. H", 2E. TO " E5", 1N. TO "RD. I", W. & S. INTO

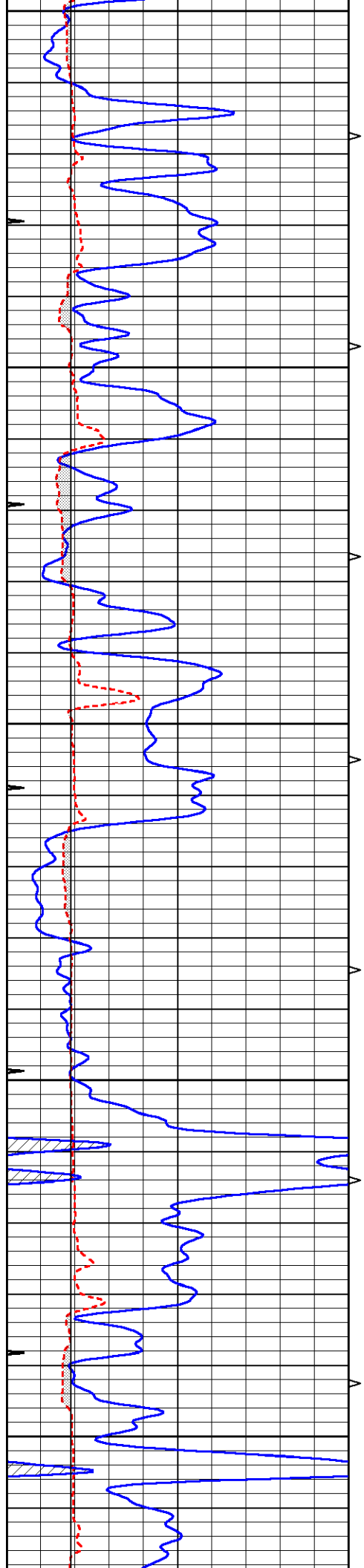


MAIN SECTION

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







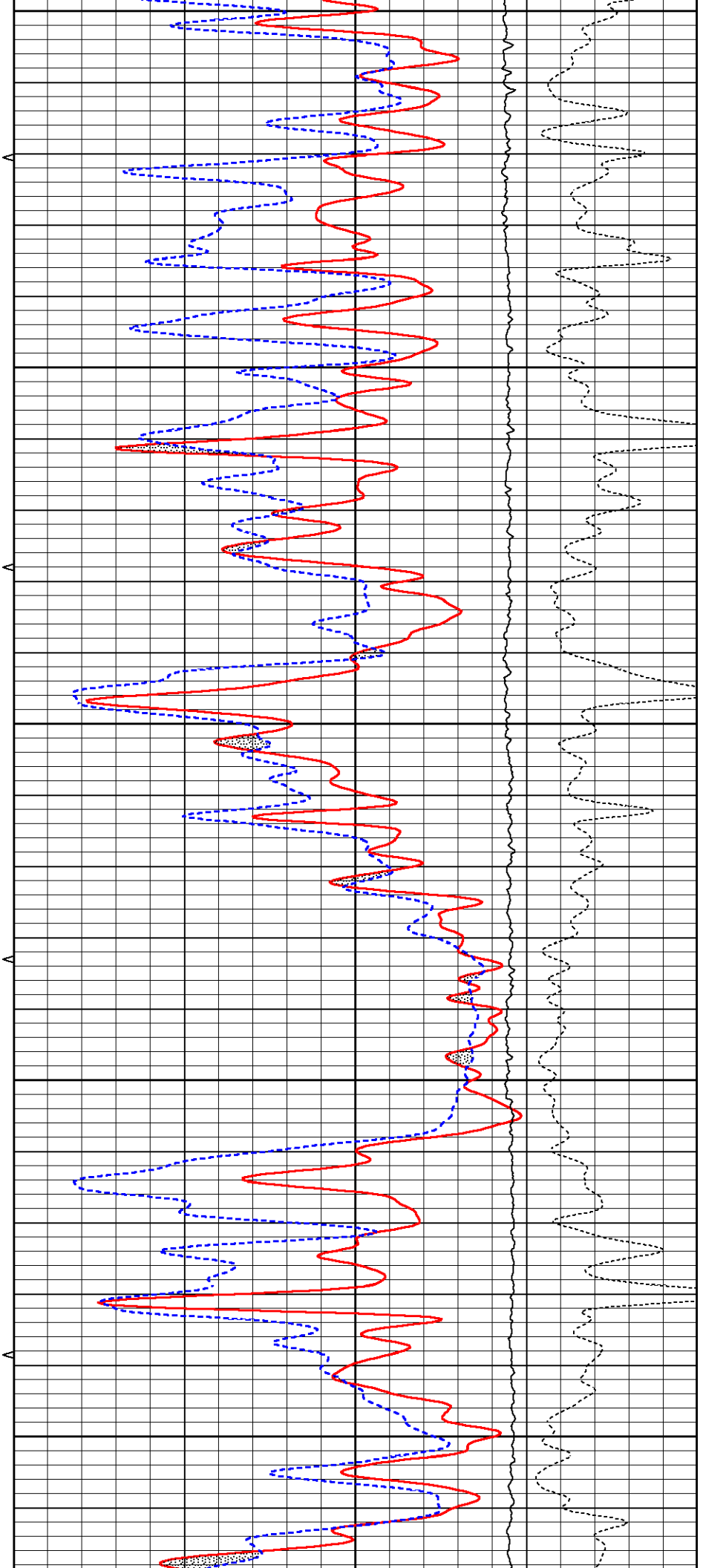
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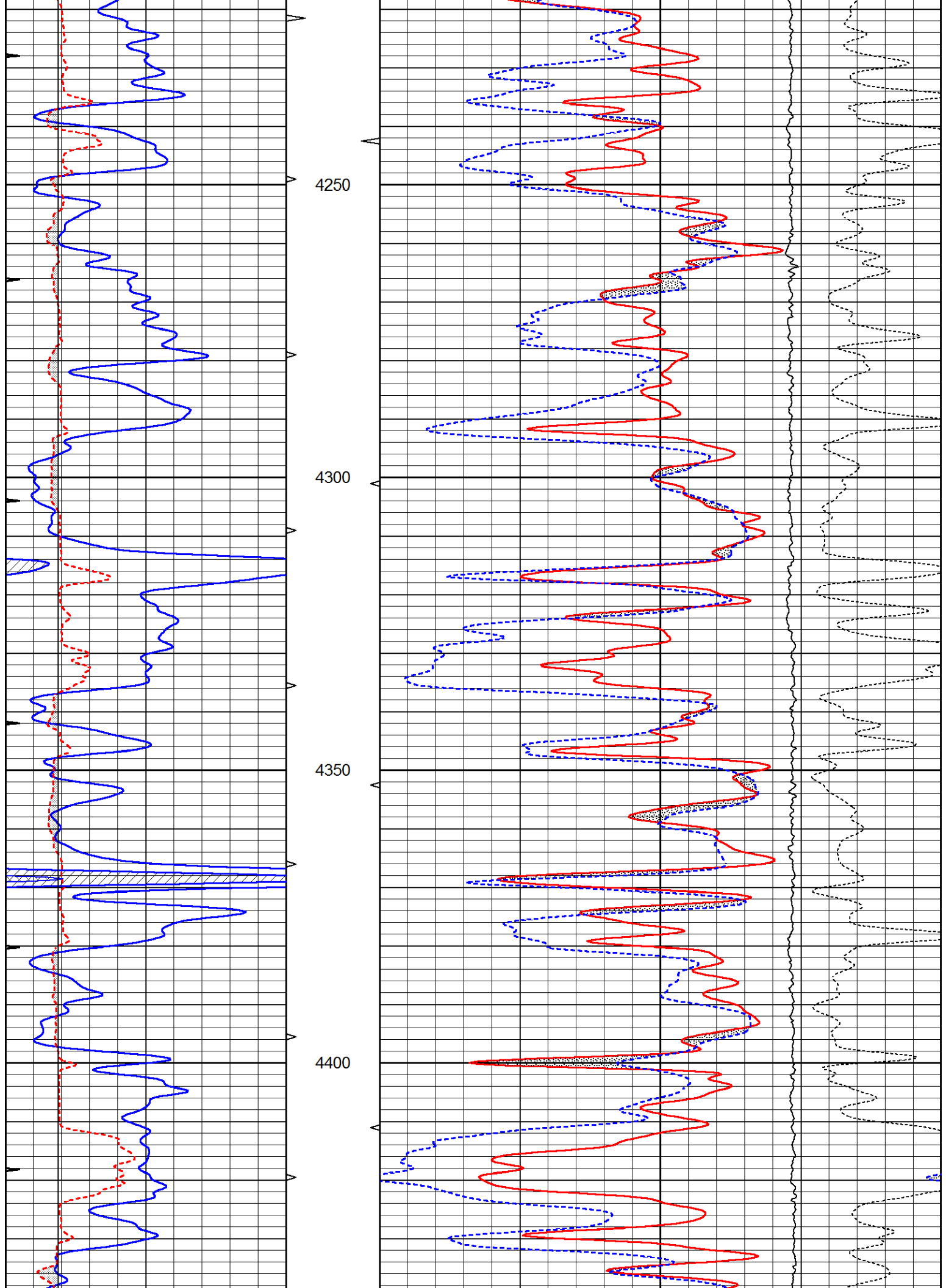
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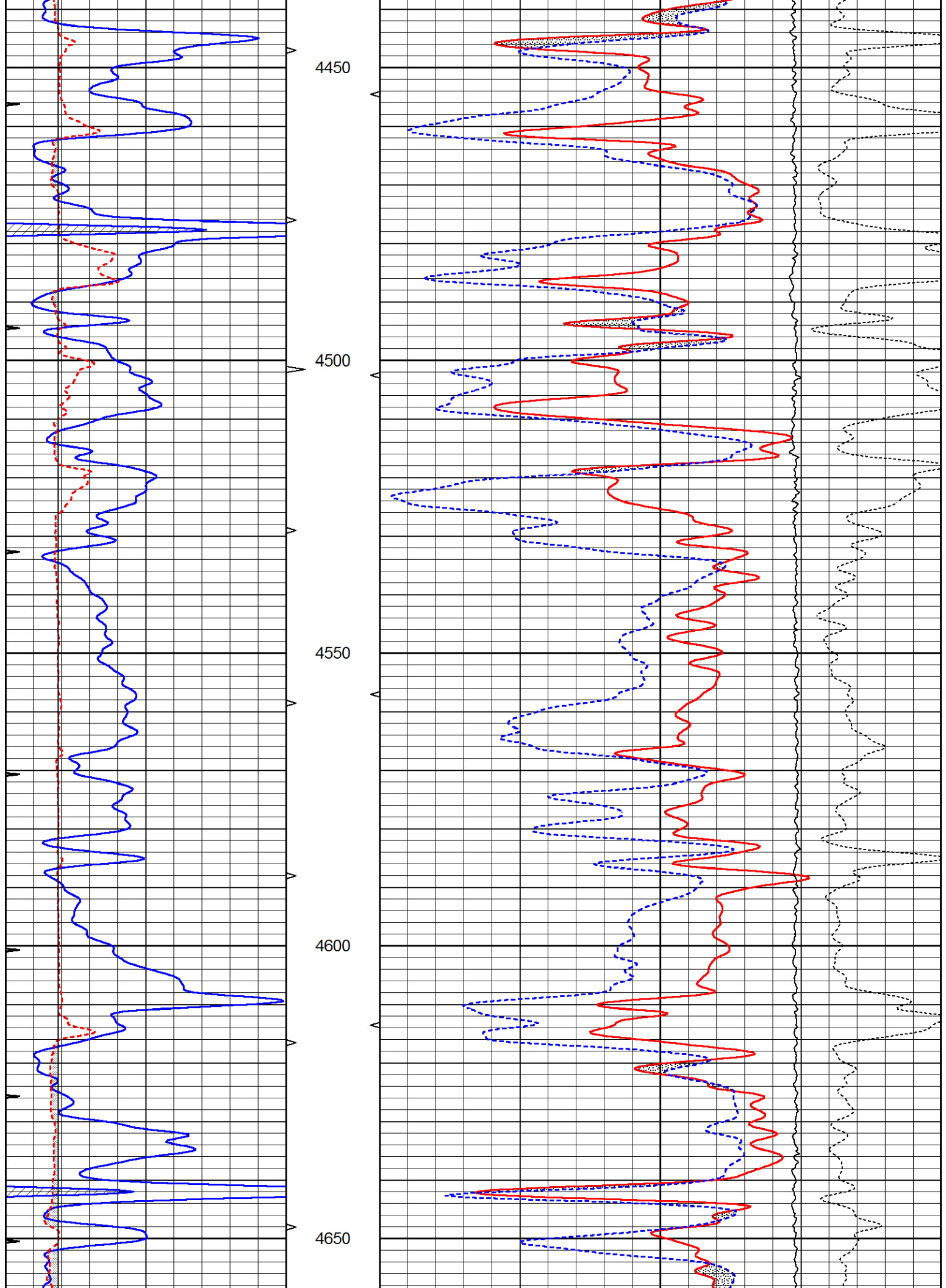
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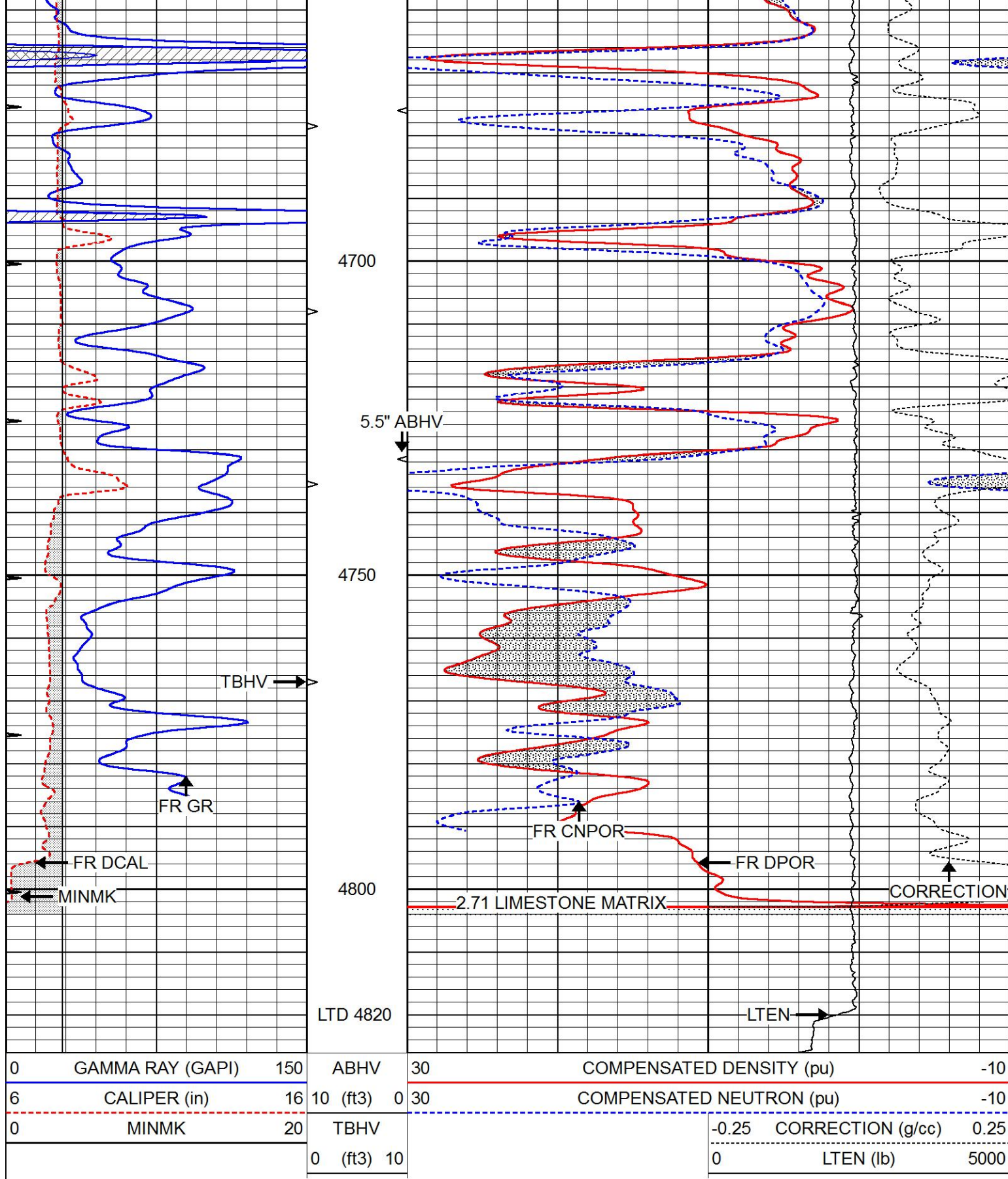
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4200



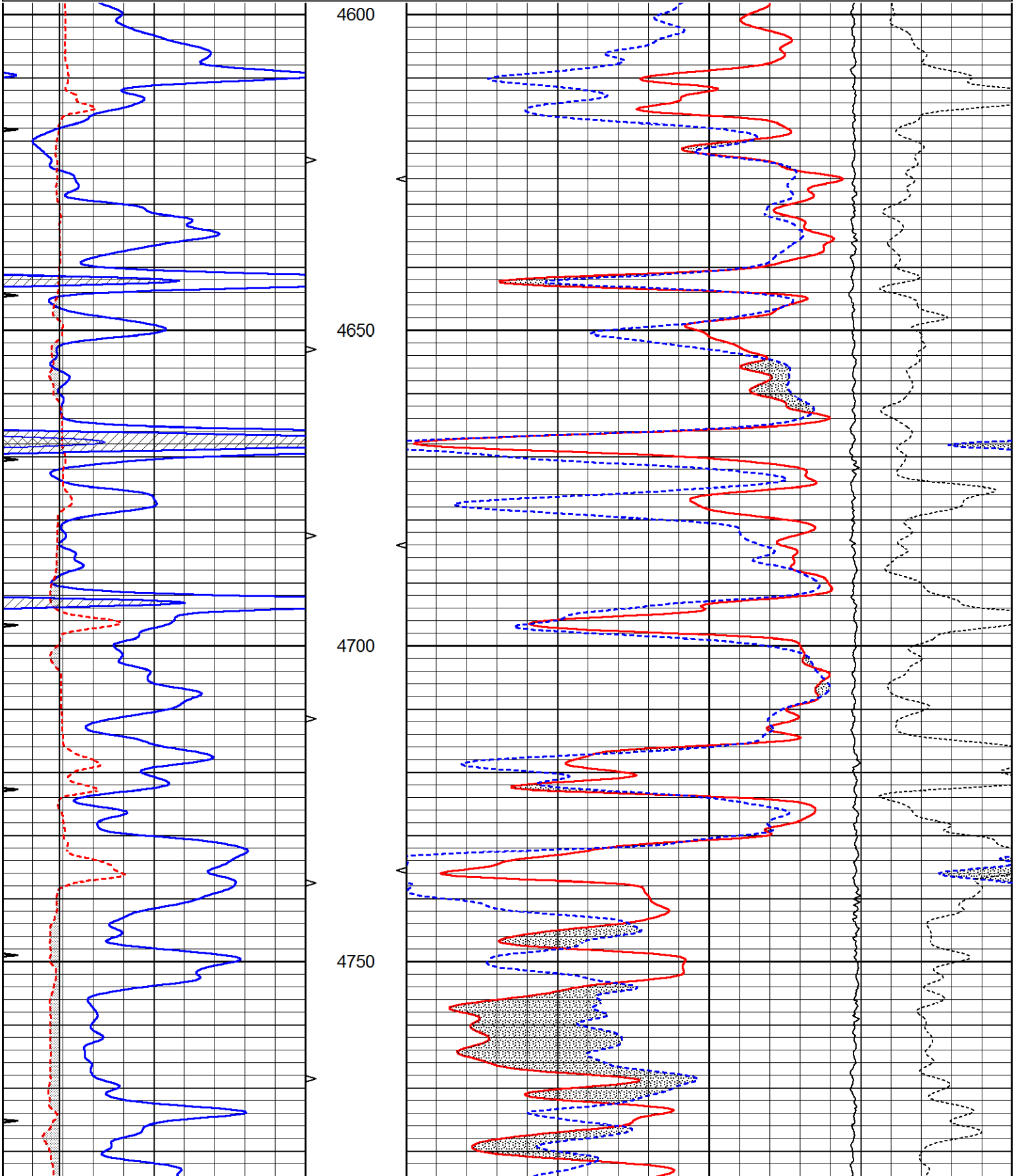


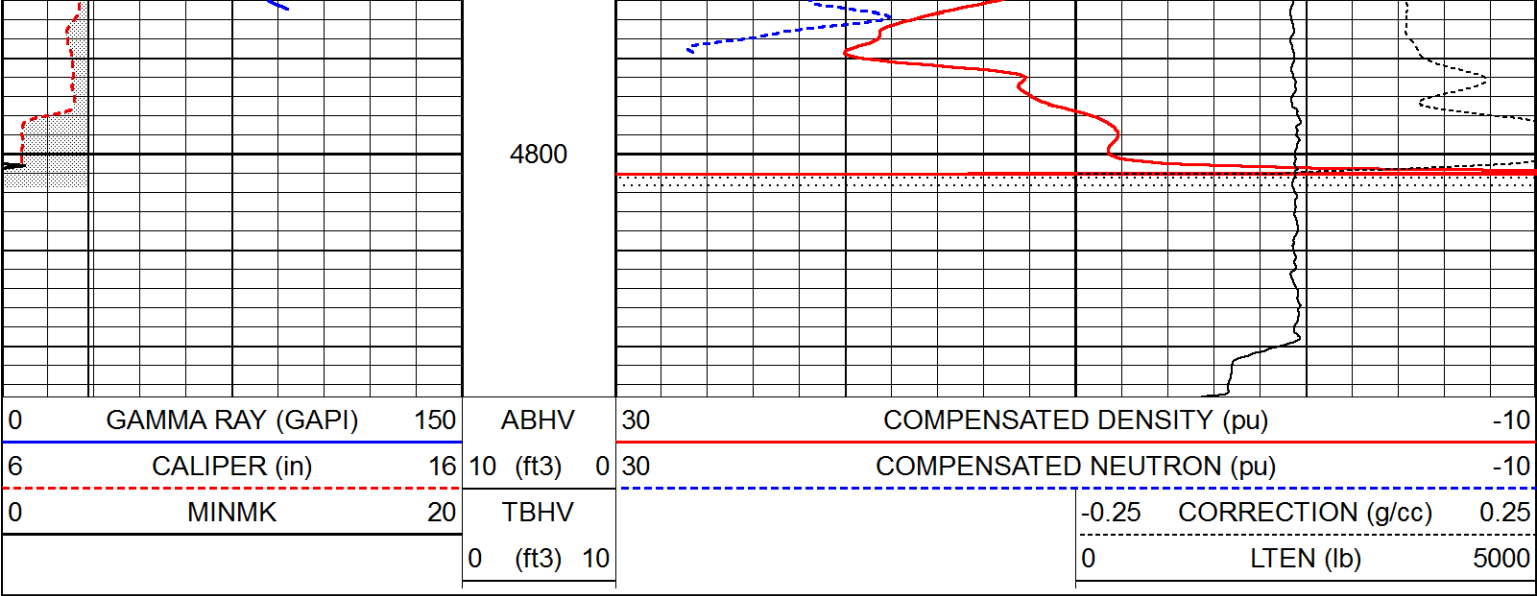




REPEAT SECTION

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





Calibration Report									
Database File	9352ddn.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Sun Nov 24 10:52:00 2024								
Dual Induction Calibration Report									
Serial-Model:					PROBE8-DILG				
Surface Cal Performed:					Sun Nov 24 09:33:11 2024				
Downhole Cal Performed:					Mon Sep 10 14:28:38 2018				
After Survey Verification Performed:					Mon Sep 10 14:28:40 2018				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.015	0.648	V	0.000	400.000	mmho/m	620.000	10.000	
Medium	0.029	0.796	V	0.000	464.000	mmho/m	610.000	-12.000	
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			

Master Calibration

Performed Fri Nov 04 15:19:59 2022

	Background	Magnesium	Aluminum	Aluminum+Fe	
Window 1	1153.2	7232.1	2536.8	2279.5	cps
Window 2	1055.6	6225.5	2222.3	2030.5	cps
Window 3	902.5	3849.3	1546.4	1462.0	cps
Window 4	254.4	258.2	253.1	253.9	cps
Long Space	0.0	5169.9	1166.7	974.9	cps
Short Space	4.7	1383.0	950.5	792.1	cps
Rho		1.7100	2.5900	0.0000	g/cc
Pe		2.0000	2.7500	5.7900	
Rib Angle	: 45.9	Rib Slope	: 1.031	Density/Spine Ratio	: 0.573
Spine Angle	: 75.9	Spine Slope	: 3.970	Spine Intercept	: -20.2

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: 6I
Tool Model: G

CALIBRATION

Detector	Readings	Target	Normalization
Short Space	1.00 cps	1.00 cps	1.0000
Long Space	1.00 cps	1.00 cps	1.0000

PRE-SURVEY VERIFICATION

Detector	Readings	Measured	Target
1) Short Space	cps		
Long Space	cps		

	2)	Long Space	cps	pu	pu
		Short Space	cps		
	3)	Long Space	cps	pu	
		Short Space	cps		
POST-SURVEY VERIFICATION					
		Detector	Readings	Measured	Target
	1)	Short Space	cps		
		Long Space	cps	pu	pu
	2)	Short Space	cps		
		Long Space	cps	pu	pu
	3)	Short Space	cps		
		Long Space	cps	pu	pu
Gamma Ray Calibration Report					
	Serial Number:		GR6		
	Tool Model:		OPEN		
	Performed:		Fri Nov 15 05:56:28 2024		
	Calibrator Value:		150.0	GAPI	
	Background Reading:		0.0	cps	
	Calibrator Reading:		276.0	cps	
	Sensitivity:		0.9000	GAPI/cps	