



COMPENSATED DENSITY/NEUTRON LOG

Company	RJM COMPANY	Location:	API # : 15-159-22885-0000	Other Services DIL/MEL
Well	TIM #1	Permanent Datum	330' FSL & 1100' FWL E/2 - SE - SW - SW	Elevation
Field	WILDCAT	Log Measured From	SEC 7 TWP 18S RGE 10W	K.B. 1768 D.F. 1766 G.L. 1758
County	RICE	Drilling Measured From	GROUND LEVEL Elevation 1758 KELLY BUSHING 10' A.G.L. KELLY BUSHING	
State	KANSAS			
Date	7/11/22			
Run Number	ONE			
Depth Driller	3810			
Depth Logger	3808			
Bottom Logged Interval	3784			
Top Log Interval	2700			
Casing Driller	8 5/8" @ 347'			
Casing Logger	347			
Bit Size	7 7/8"			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 7,000 PPM		
Density / Viscosity	9.8/51			
pH / Fluid Loss	9.0/9.2			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.700 @ 82F			
Rmf @ Meas. Temp	.525 @ 82F			
Rmc @ Meas. Temp	.840 @ 82F			
Source of Rmf / Rmc	MEASURED			
Rm @ BHT	.504 @ 114F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	1.45 P.M.			
Maximum Recorded Temperature	114F			
Equipment Number	8916			
Location	HAYS, KANSAS			
Recorded By	JEFF LUEBBERS			
Witnessed By	JIM MUSGROVE			

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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.

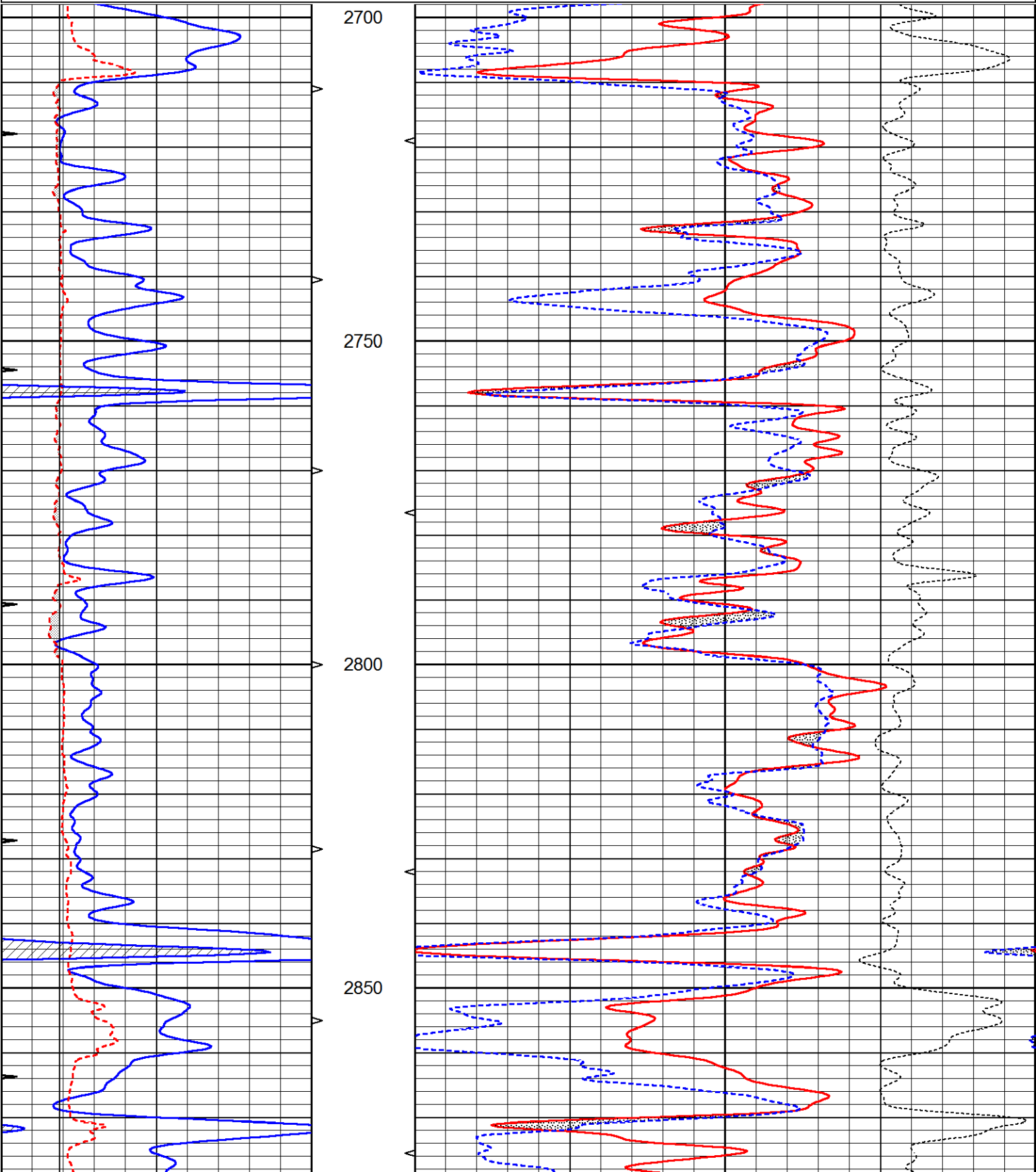
Comments

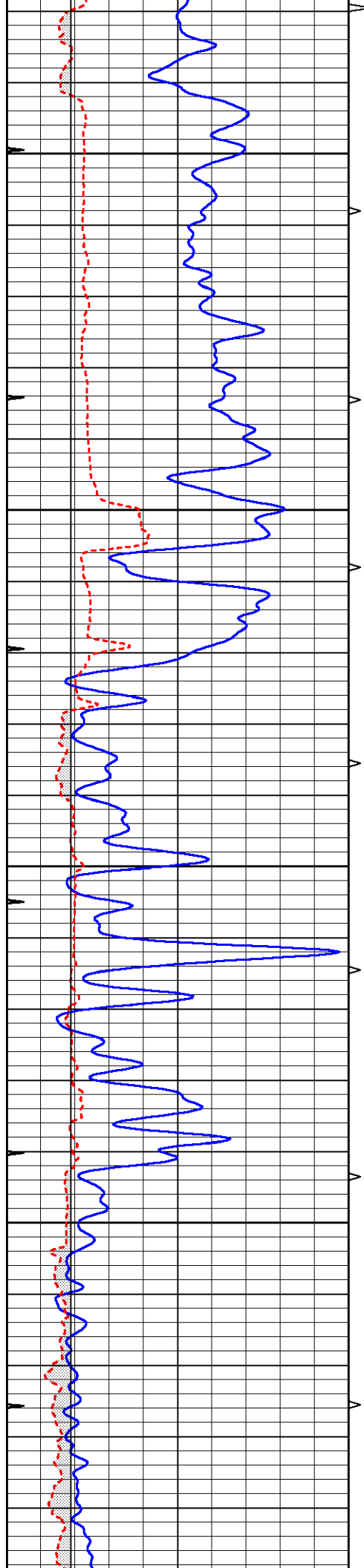
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
CLAFLIN, KS., 3E. ON HWY 4 TO COUNTY LINE, 2S., 1/2E., S. INTO



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			



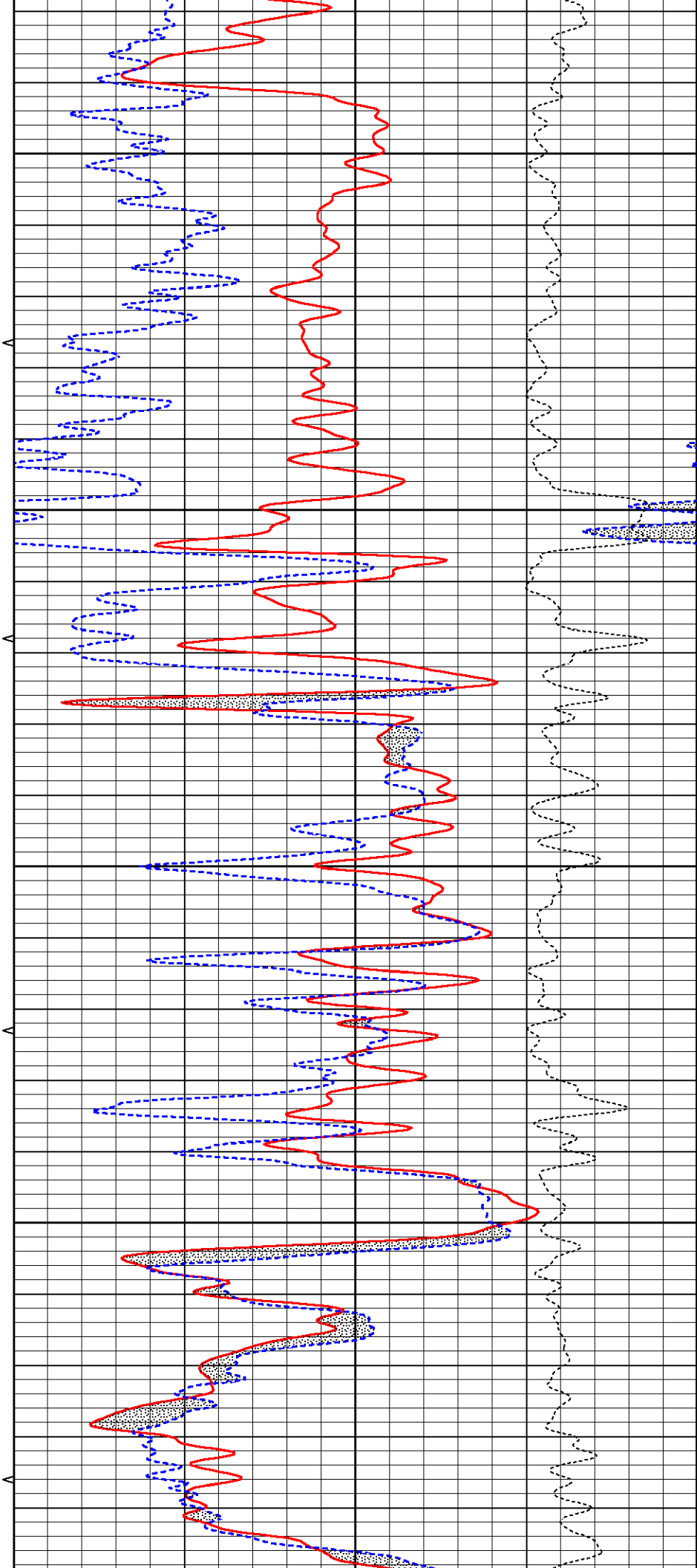


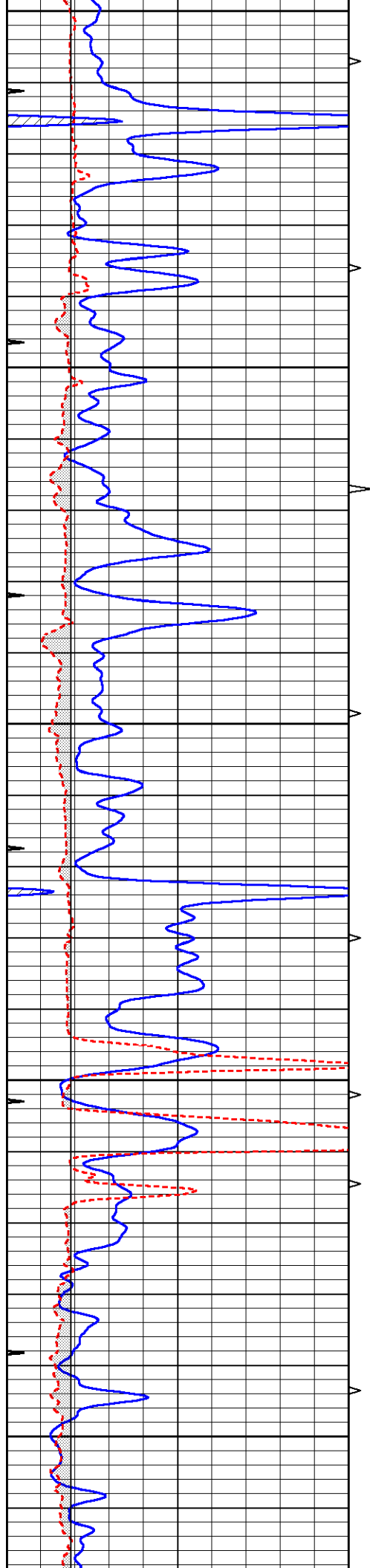
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2950

3000

3050





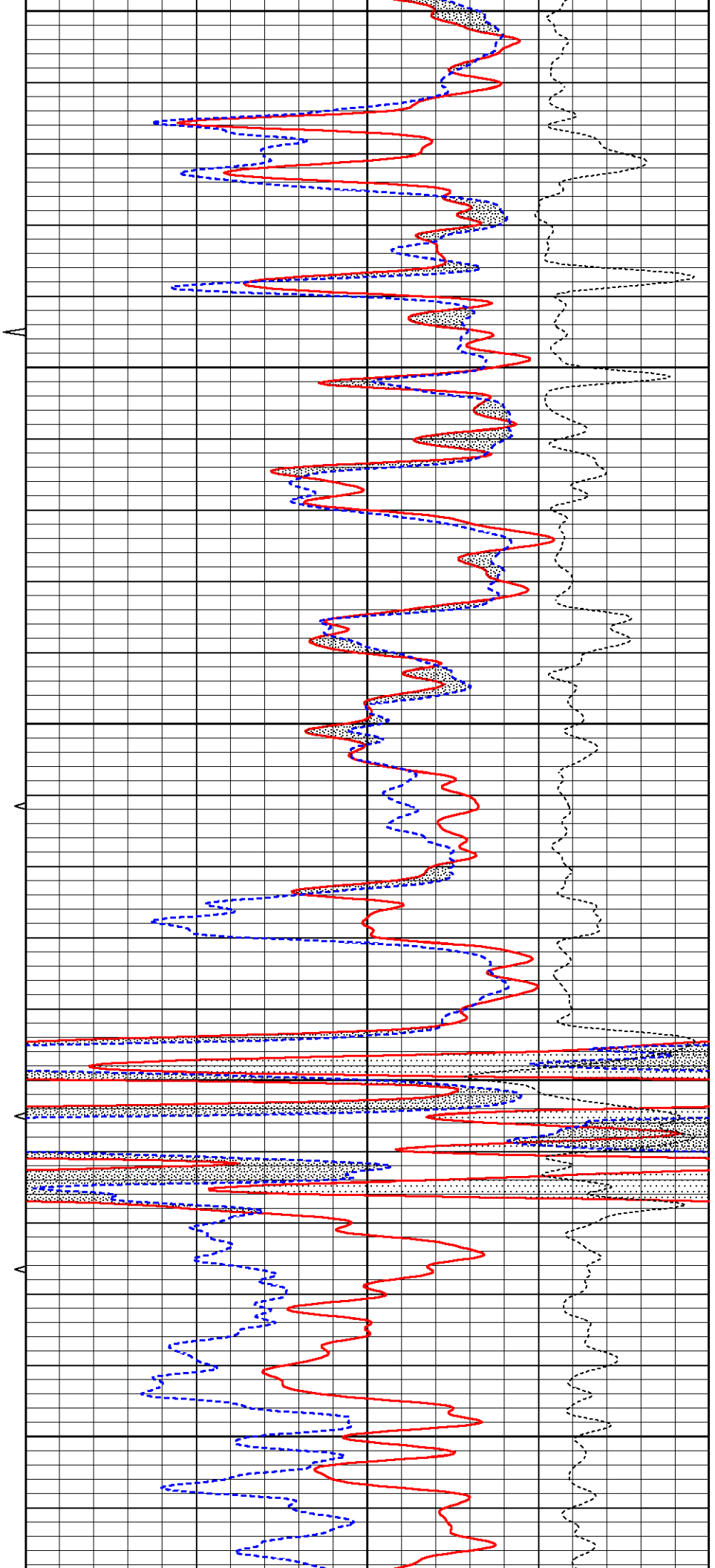
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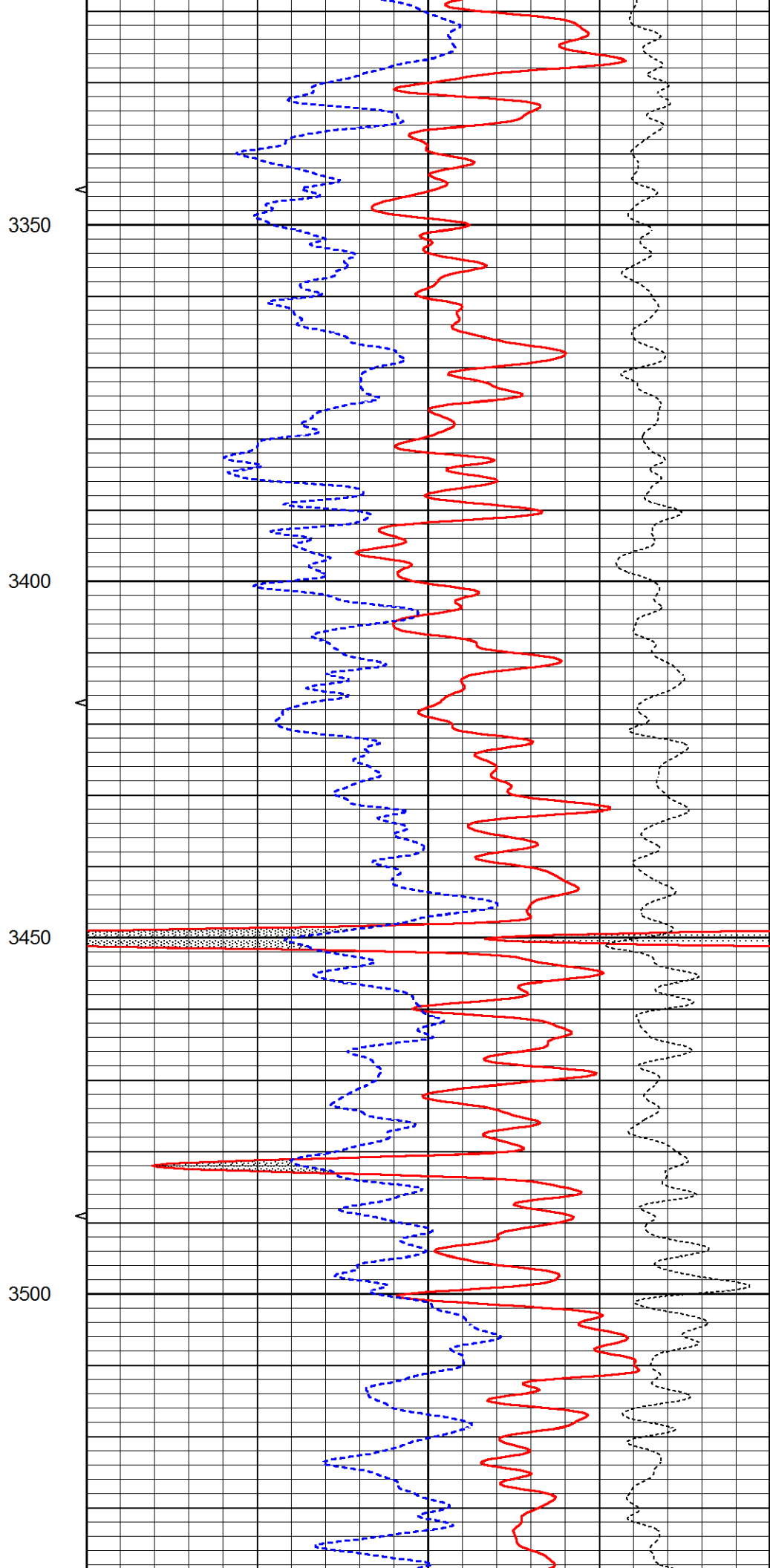
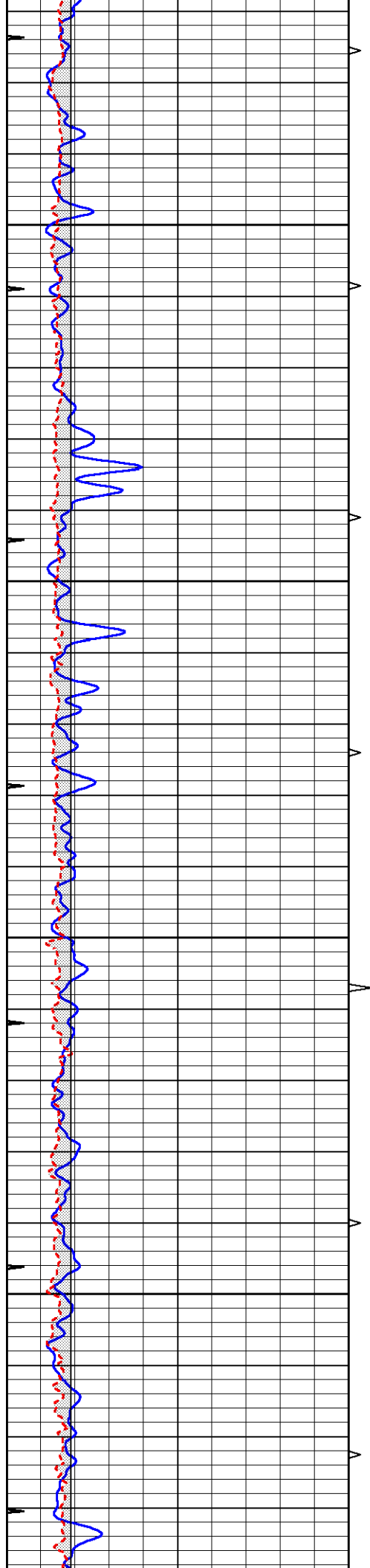
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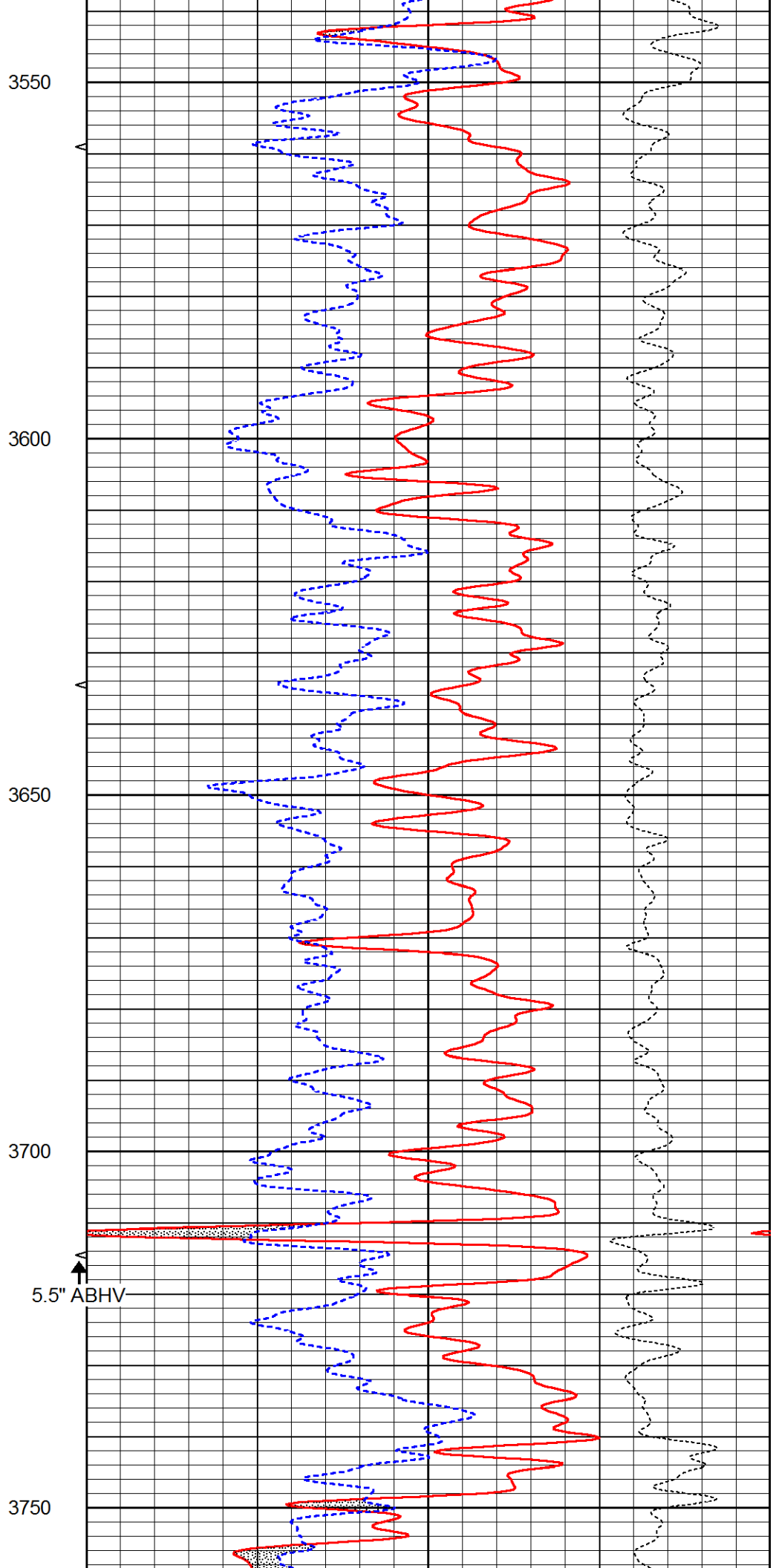
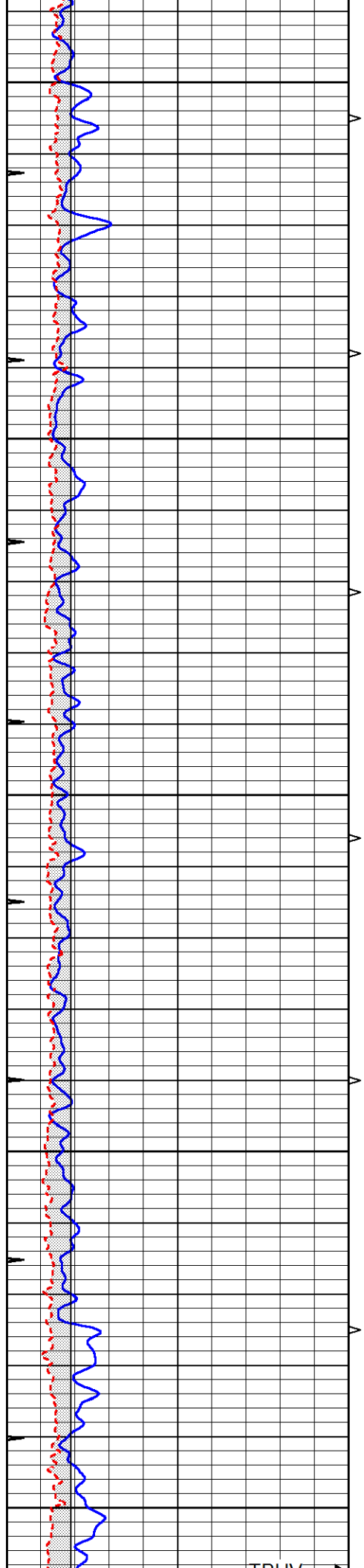
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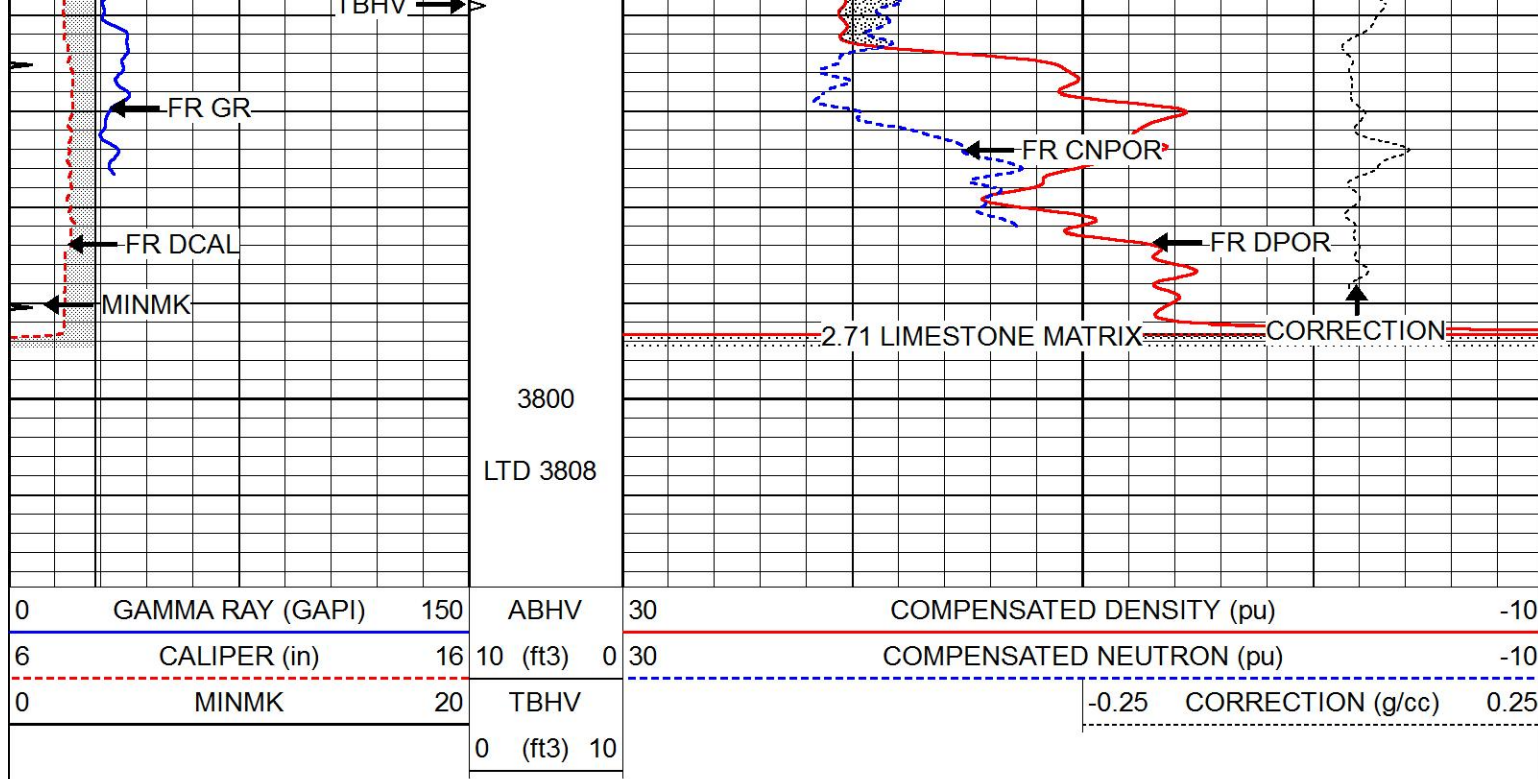
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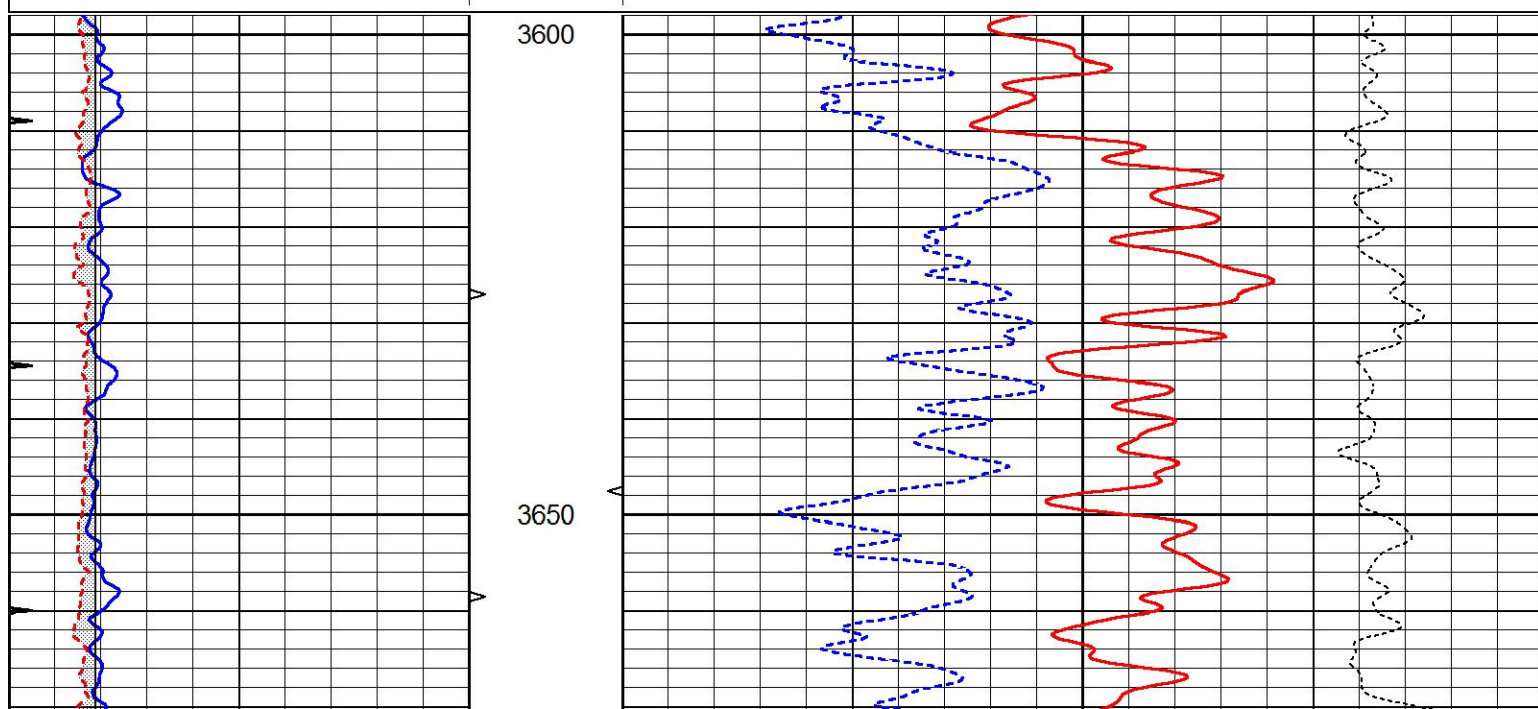
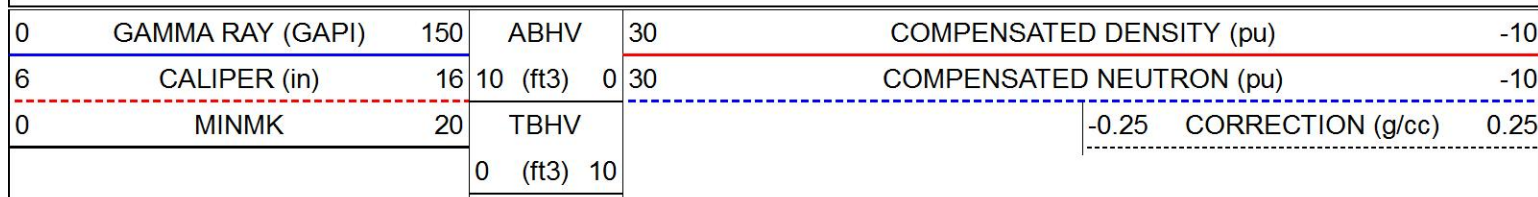


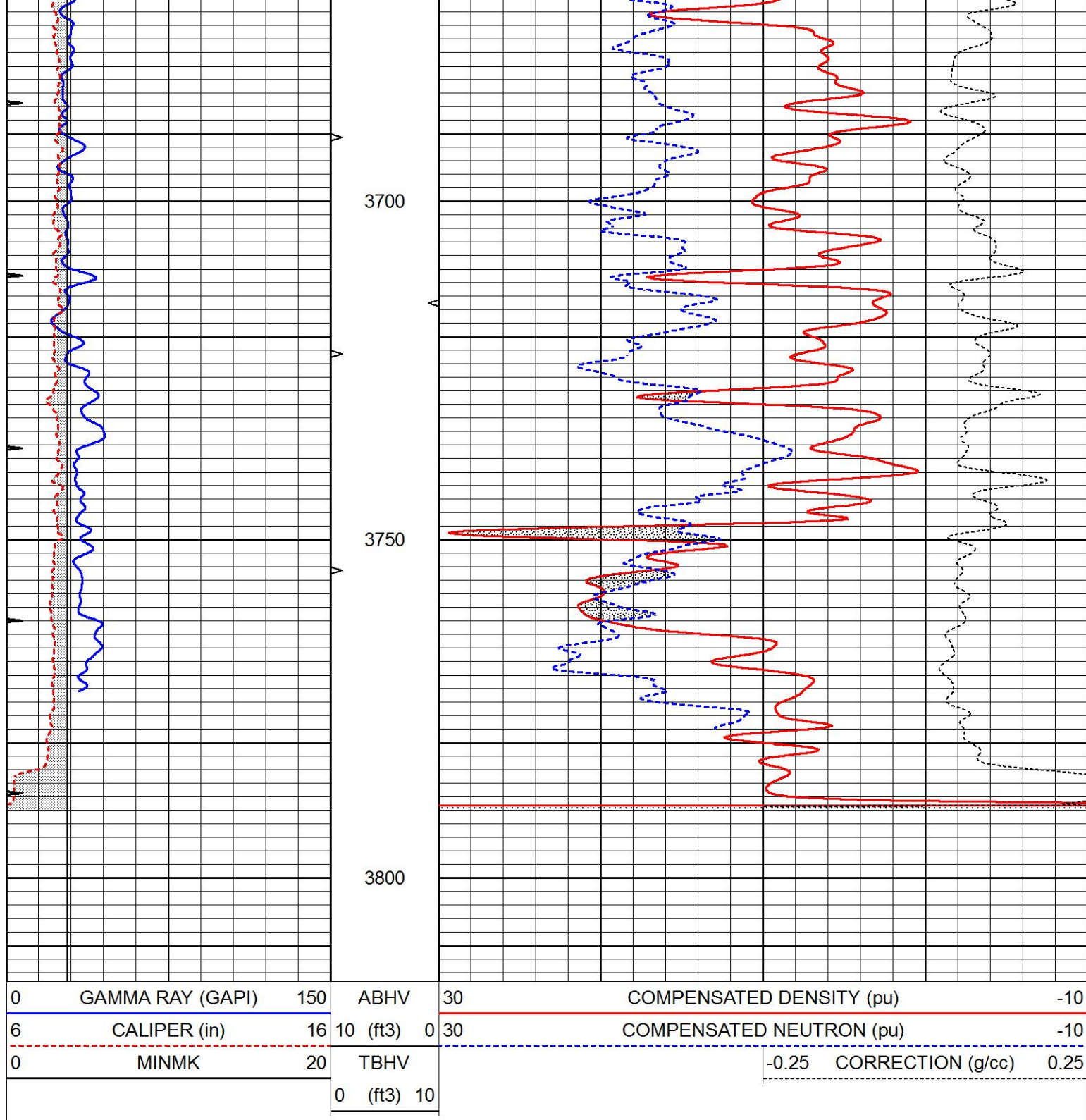




REPEAT SECTION

Database File 6709pe.db
 Dataset Pathname pass3.1R
 Presentation Format den_neu
 Dataset Creation Mon Jul 11 15:14:19 2022
 Charted by Depth in Feet scaled 1:240

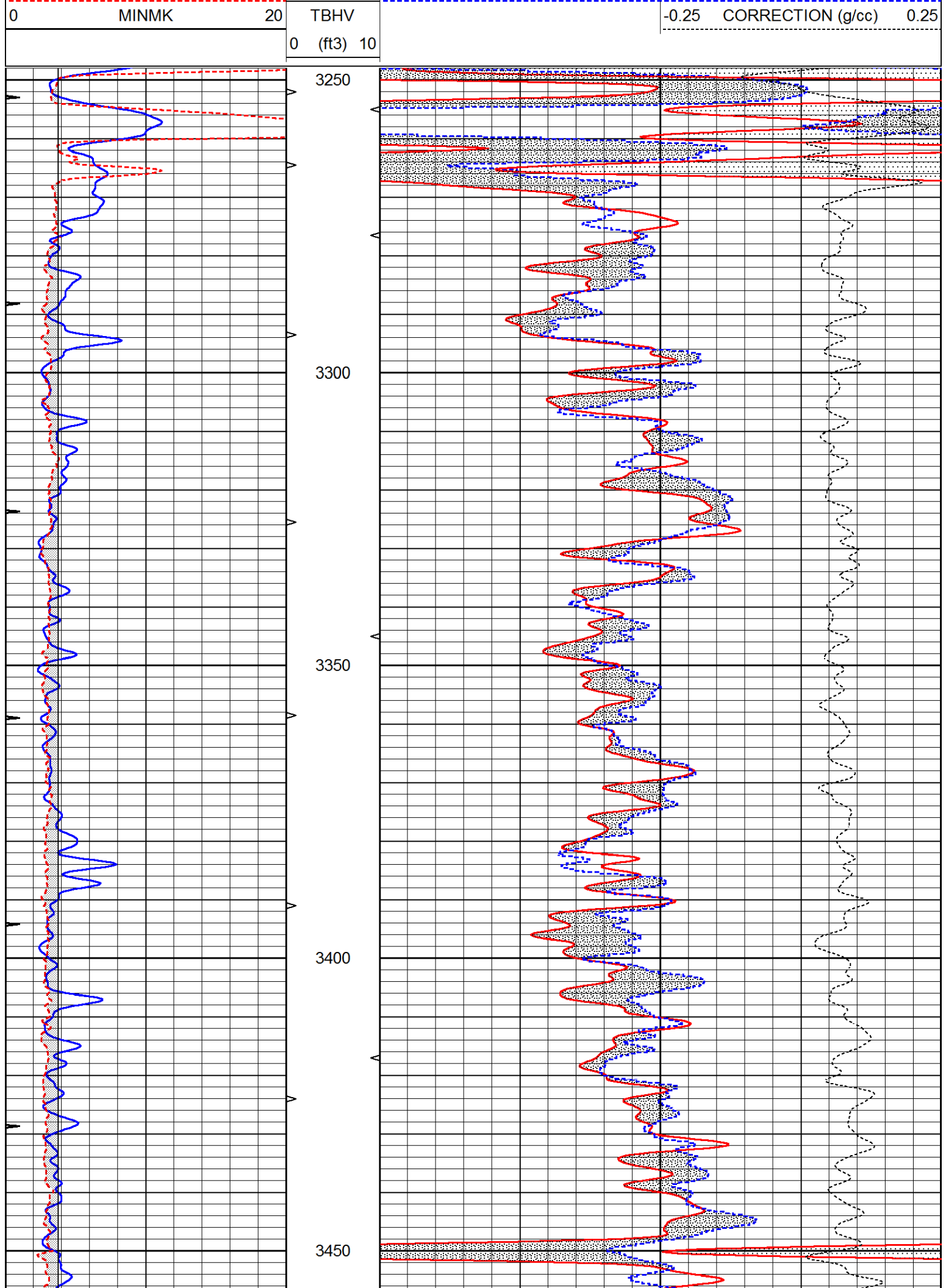


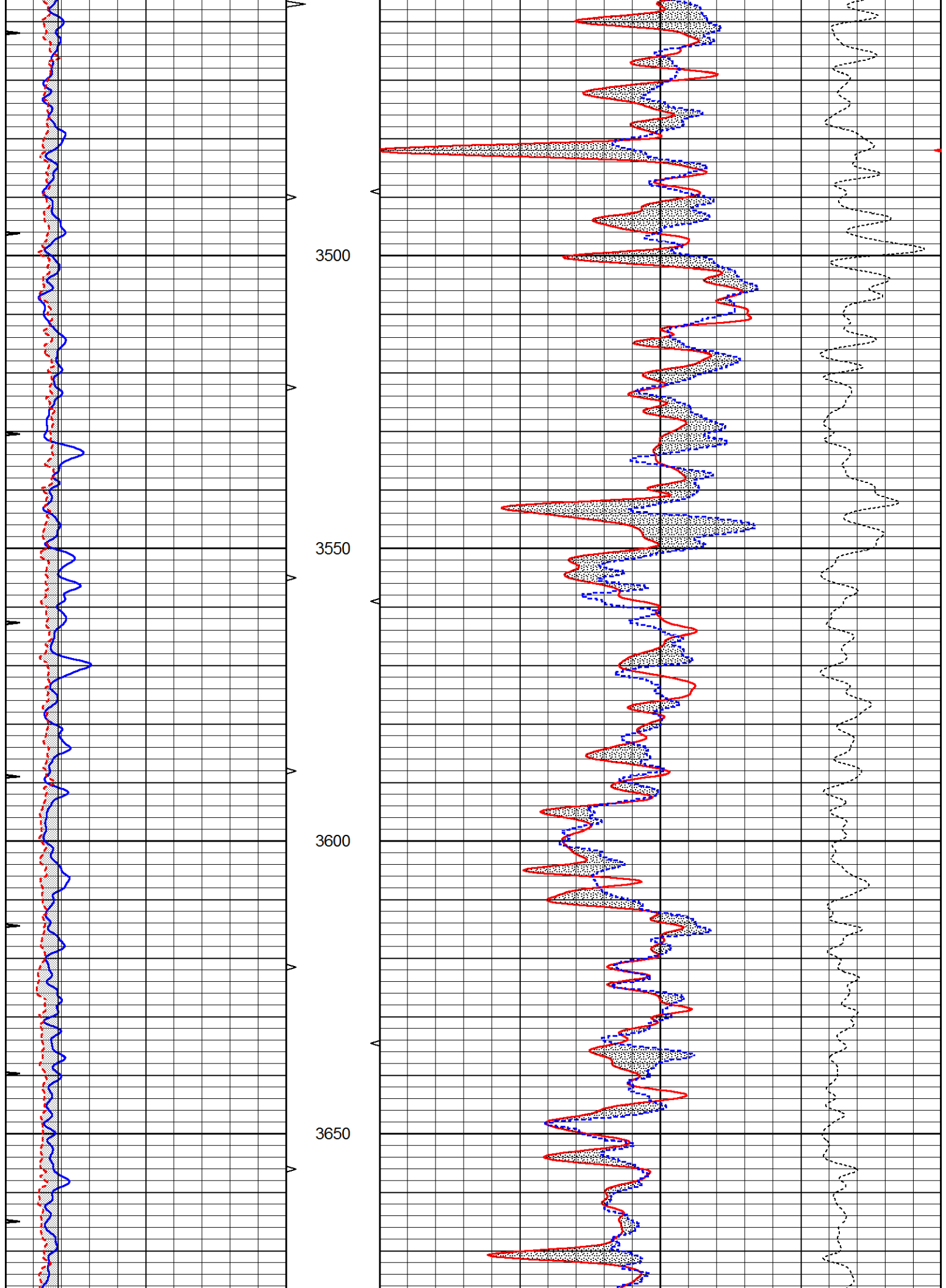


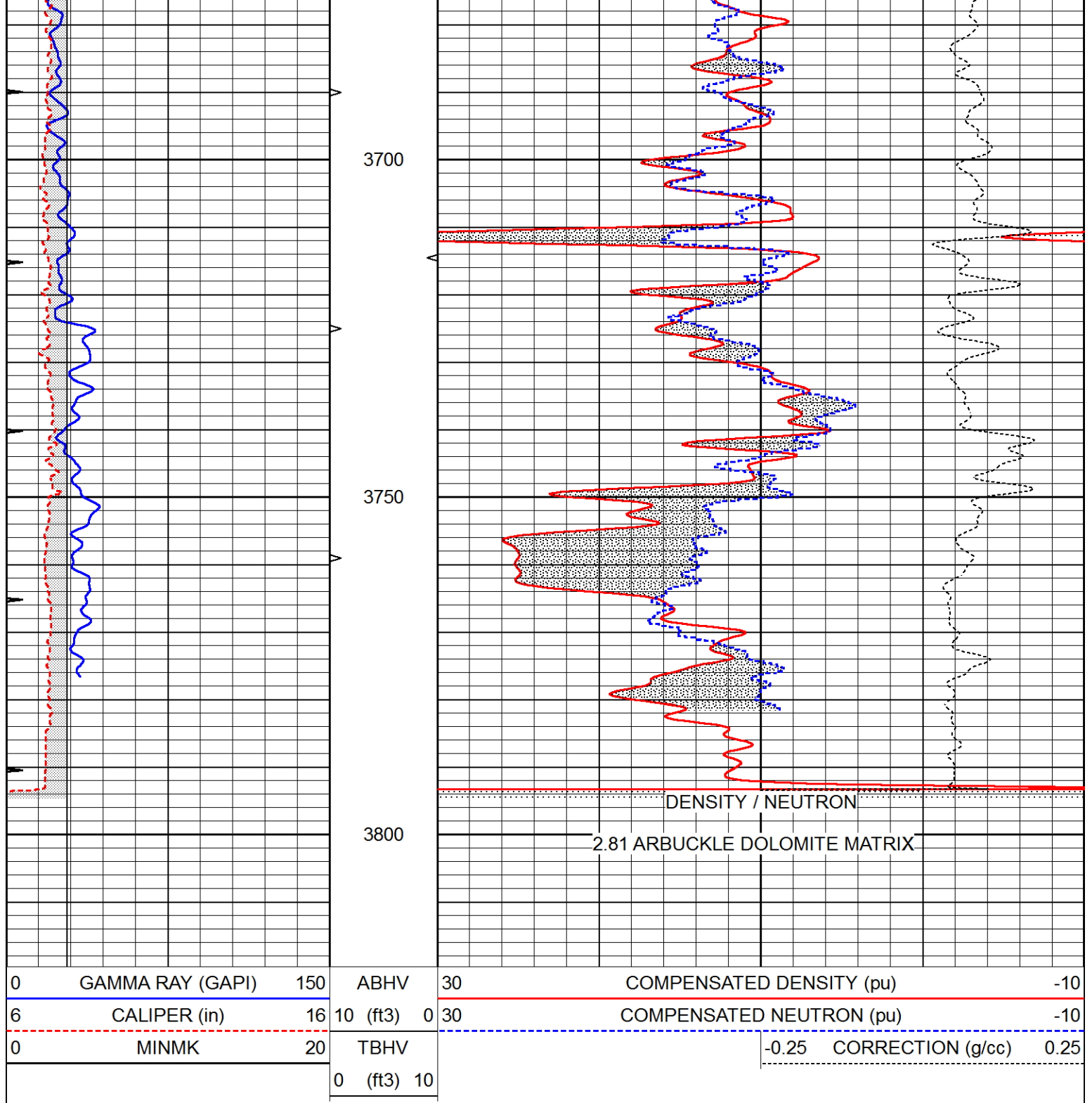
DOLOMITE MATRIX

Database File 6709pe.db
 Dataset Pathname pass4.1D
 Presentation Format den_neu
 Dataset Creation Mon Jul 11 15:13:46 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







Calibration Report			
Database File	6709pe.db		
Dataset Pathname	pass4.4M		
Dataset Creation	Mon Jul 11 16:19:00 2022		
Dual Induction Calibration Report			
Serial-Model:	PROBE8-DILG		
Surface Cal Performed:	Fri Jul 08 06:41:07 2022		
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	0.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	600.000	-14.000
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: 001N				Model: PRB				

Master Calibration					Performed Thu Mar 19 11:30:16 2020			
	Background	Magnesium	Aluminum	Aluminum+Fe				
Window 1	1572.2	7510.8	2837.3	2643.1			cps	
Window 2	1446.2	6523.9	2552.8	2409.9			cps	
Window 3	1060.9	3611.4	1731.5	1684.8			cps	
Window 4	145.5	363.4	363.2	368.1			cps	
Long Space	0.0	5077.7	1106.6	963.7			cps	
Short Space	3.1	1709.3	1103.4	916.9			cps	
Rho		1.7100	2.5900	0.0000			g/cc	
Pe		2.0000	2.7500	5.7900				
Rib Angle	: 44.0	Rib Slope	: 0.965	Density/Spine Ratio			: 0.555	
Spine Angle	: 74.0	Spine Slope	: 3.481	Spine Intercept			: -17.4	

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			
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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	pu	pu
2)	Short Space	cps		
	Long Space	cps	pu	
3)	Short Space	cps		
	Long Space	cps	pu	

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: Mon Jun 20 01:31:16 2022

Calibrator Value: 150.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 276.0 cps

Sensitivity: 0.8500 GAPI/cps