

COMPENSATED DENSITY/NEUTRON LOG

Company	CHARTER ENERGY INC.	Location:	API # : 15-009-26373-0000	Other Services DIL/MEL
Well	AXMAN #1	Permanent Datum	350' FNL & 1000' FWL SE - NE - NW - NW	Elevation
Field	AXMAN	Log Measured From	SEC 19 TWP 17S RGE 14W	K.B. 1911 D.F. 1909 G.L. 1901
County	BARTON	Drilling Measured From	GROUND LEVEL Elevation 1901 KELLY BUSHING 10' A.G.L. KELLY BUSHING	
State	KANSAS			
Date	11/20/22			
Run Number	ONE			
Depth Driller	3625			
Depth Logger	3625			
Bottom Logged Interval	3601			
Top Log Interval	2800			
Casing Driller	8 5/8"@908'			
Casing Logger	908			
Bit Size	7 7/8"			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 3,000 PPM		
Density / Viscosity	9.3/51			
pH / Fluid Loss	10.5/7.8			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.920@70F			
Rmf @ Meas. Temp	.690@70F			
Rmc @ Meas. Temp	1.10@70F			
Source of Rmf / Rmc	MEASUREMENT			
Rm @ BHT	.570@113F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	1:00 A.M.			
Maximum Recorded Temperature	113F			
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

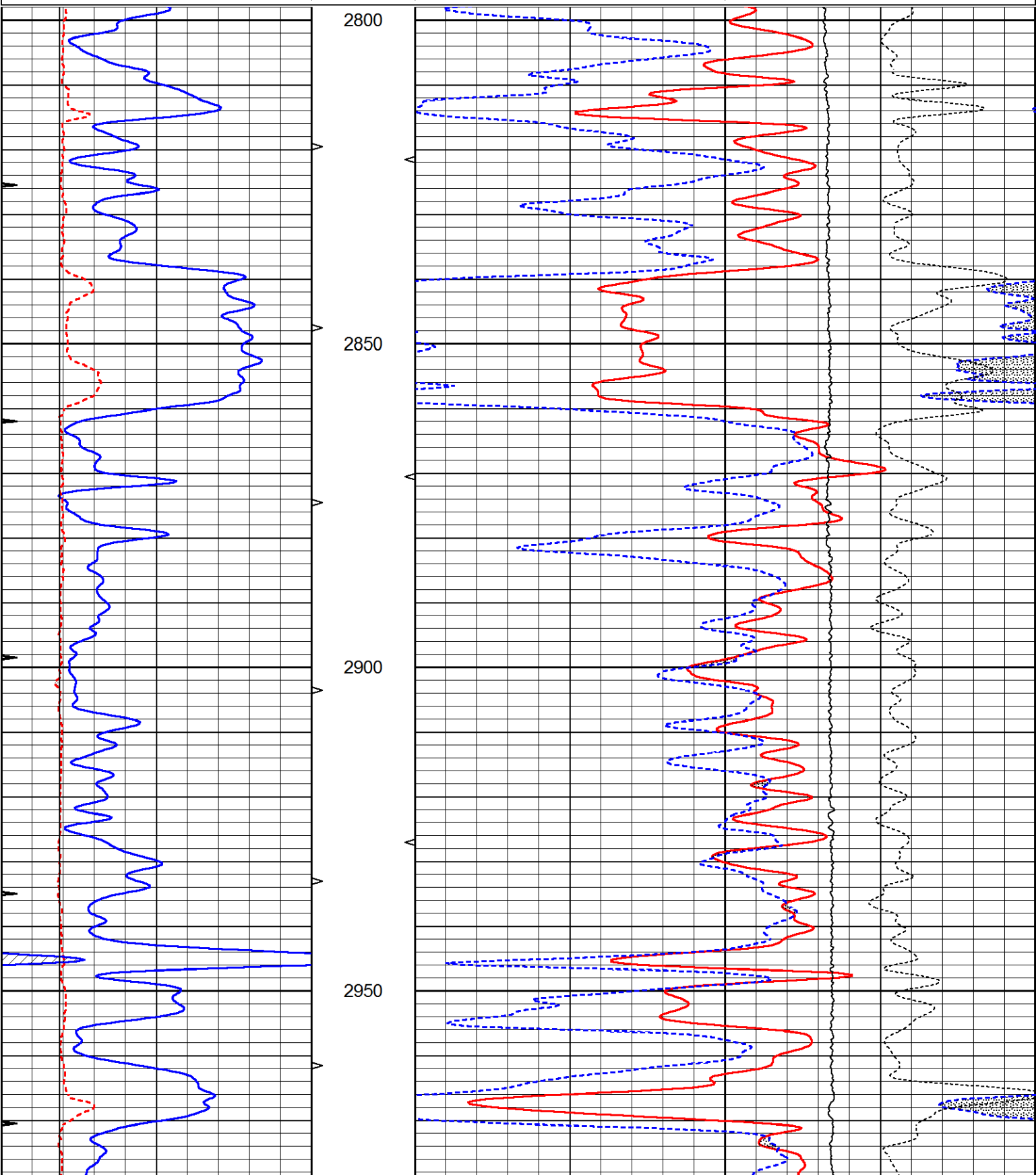
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
OTIS, KS., E. ON HWY 4 TO "RD. NW 80", 2N., EAST INTO @INTERSECTION

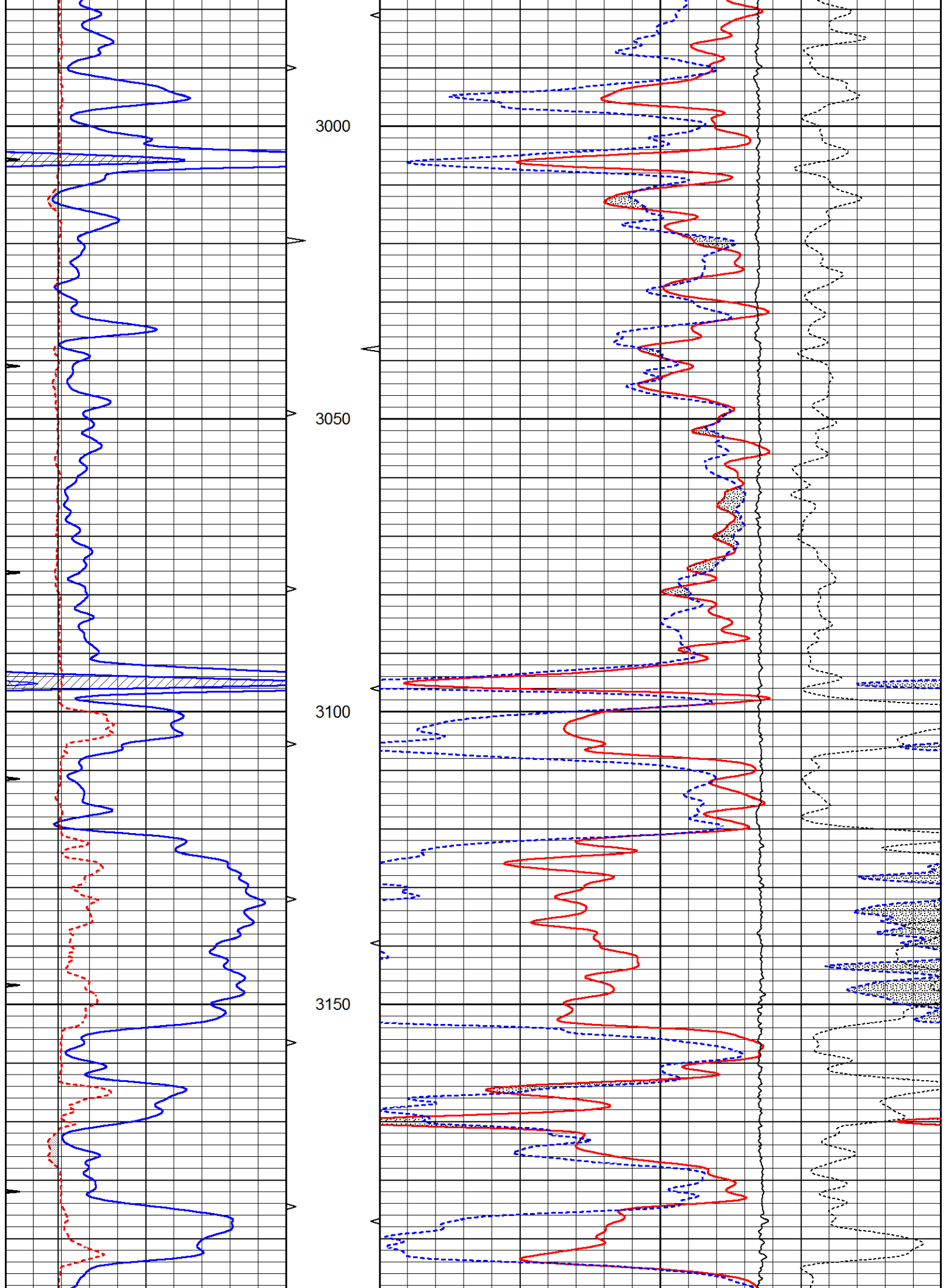


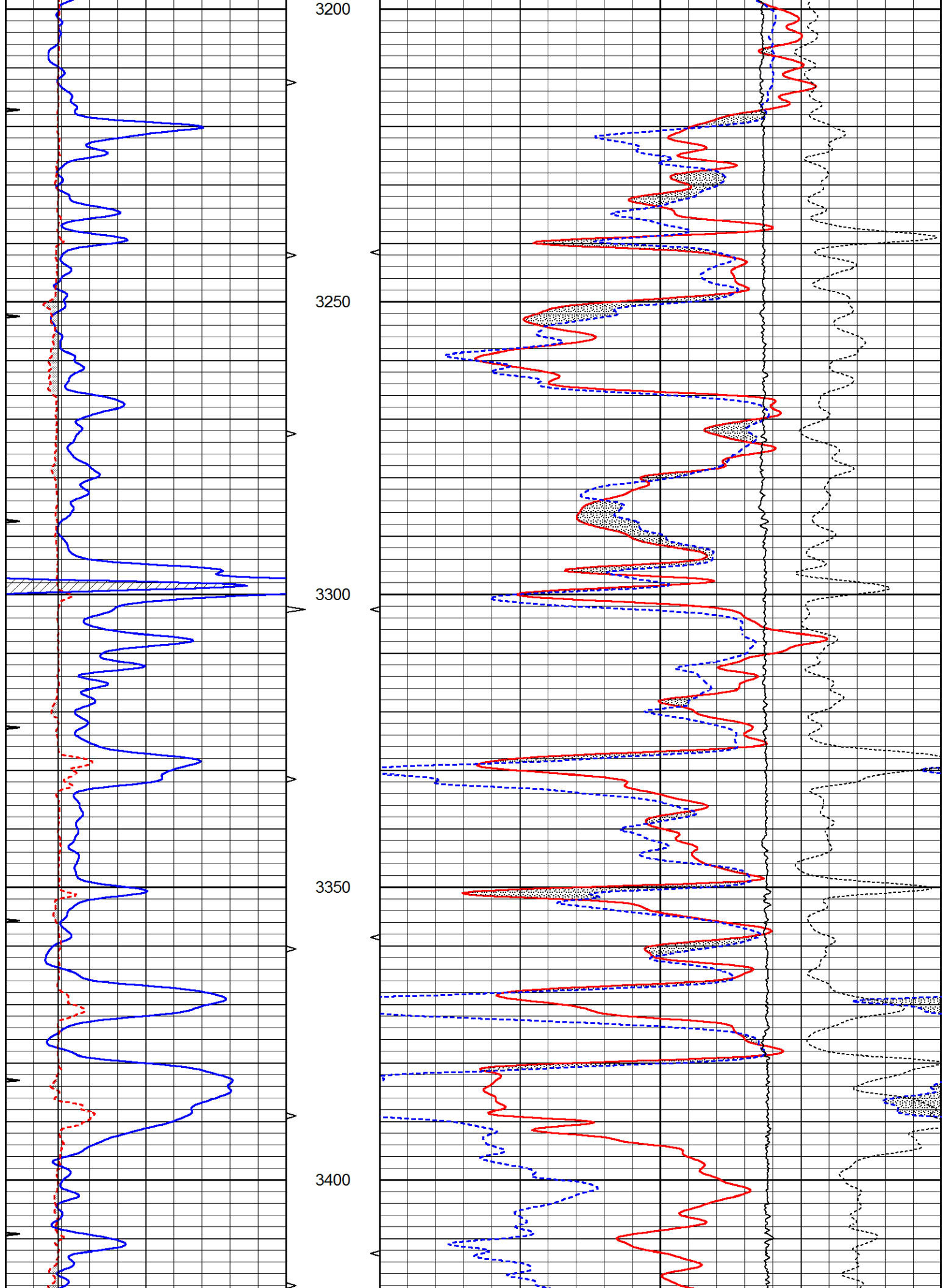
MAIN SECTION

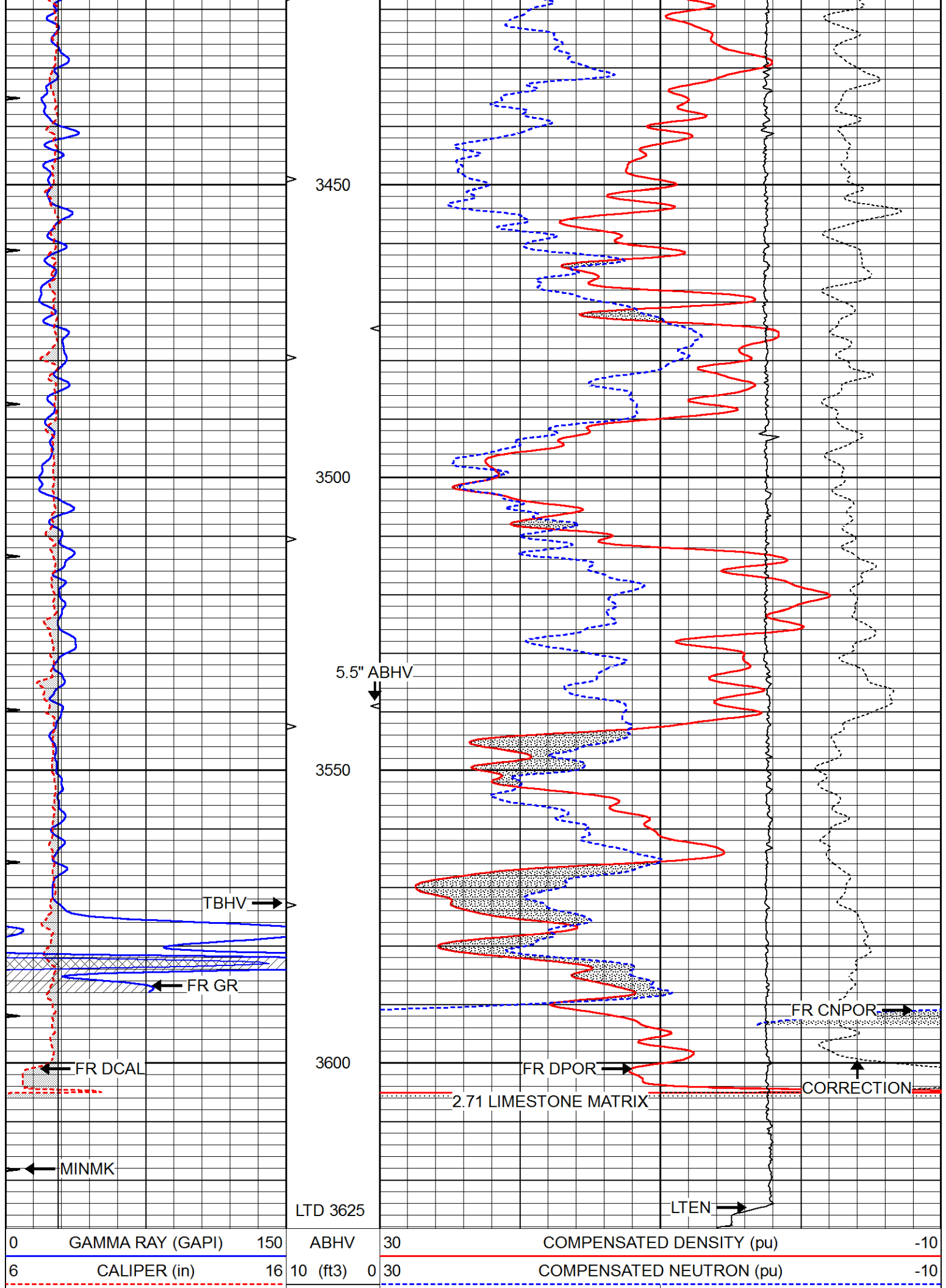
Database File	6725ddn.db
Dataset Pathname	pass4.1M
Presentation Format	den_neu
Dataset Creation	Sun Nov 20 02:50:41 2022
Charted by	Depth in Feet scaled 1:240

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









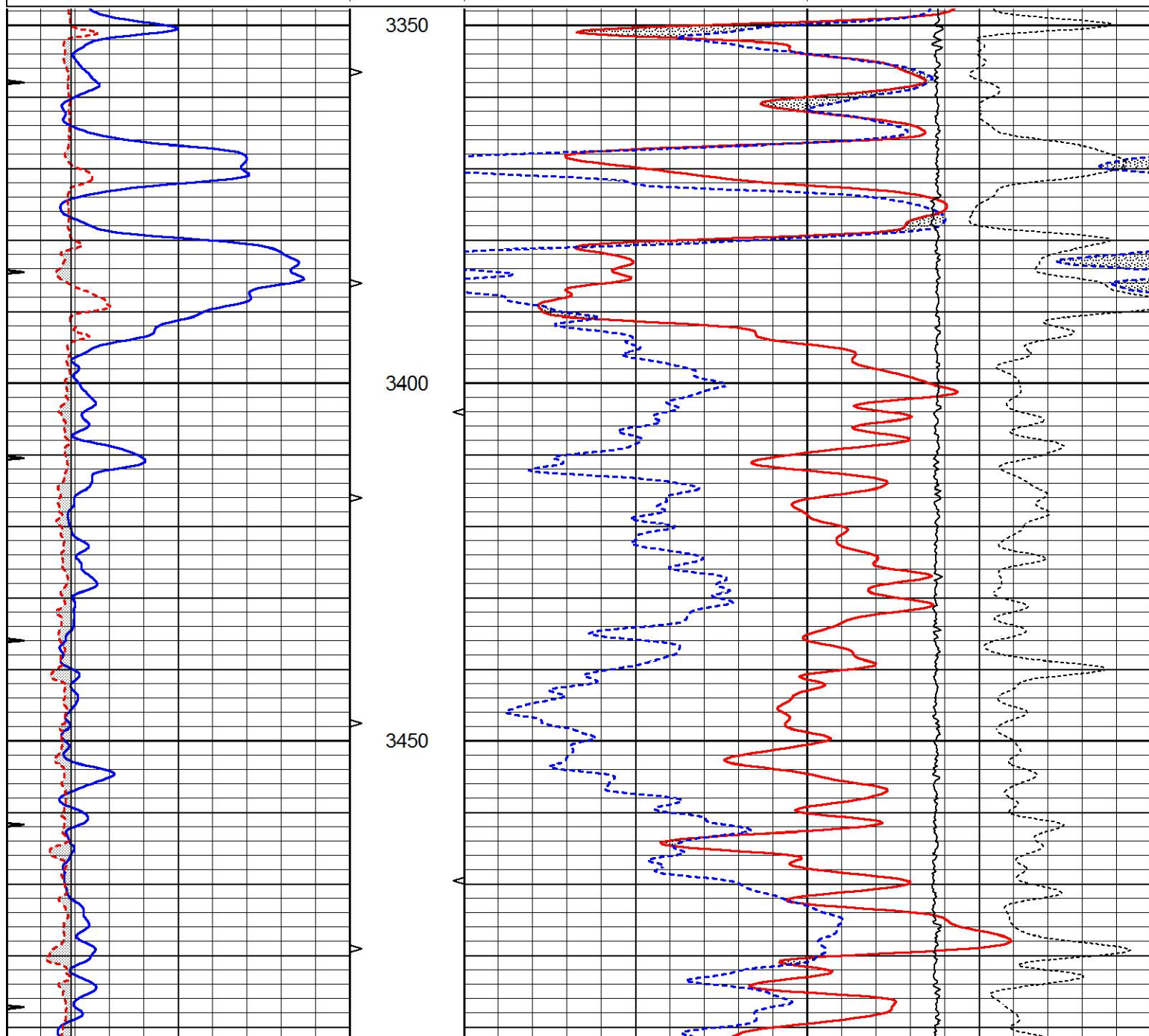
0	MINMK	20	TBHV	-0.25	CORRECTION (g/cc)	0.25
			0 (ft3) 10	0	LTEN (lb)	5000

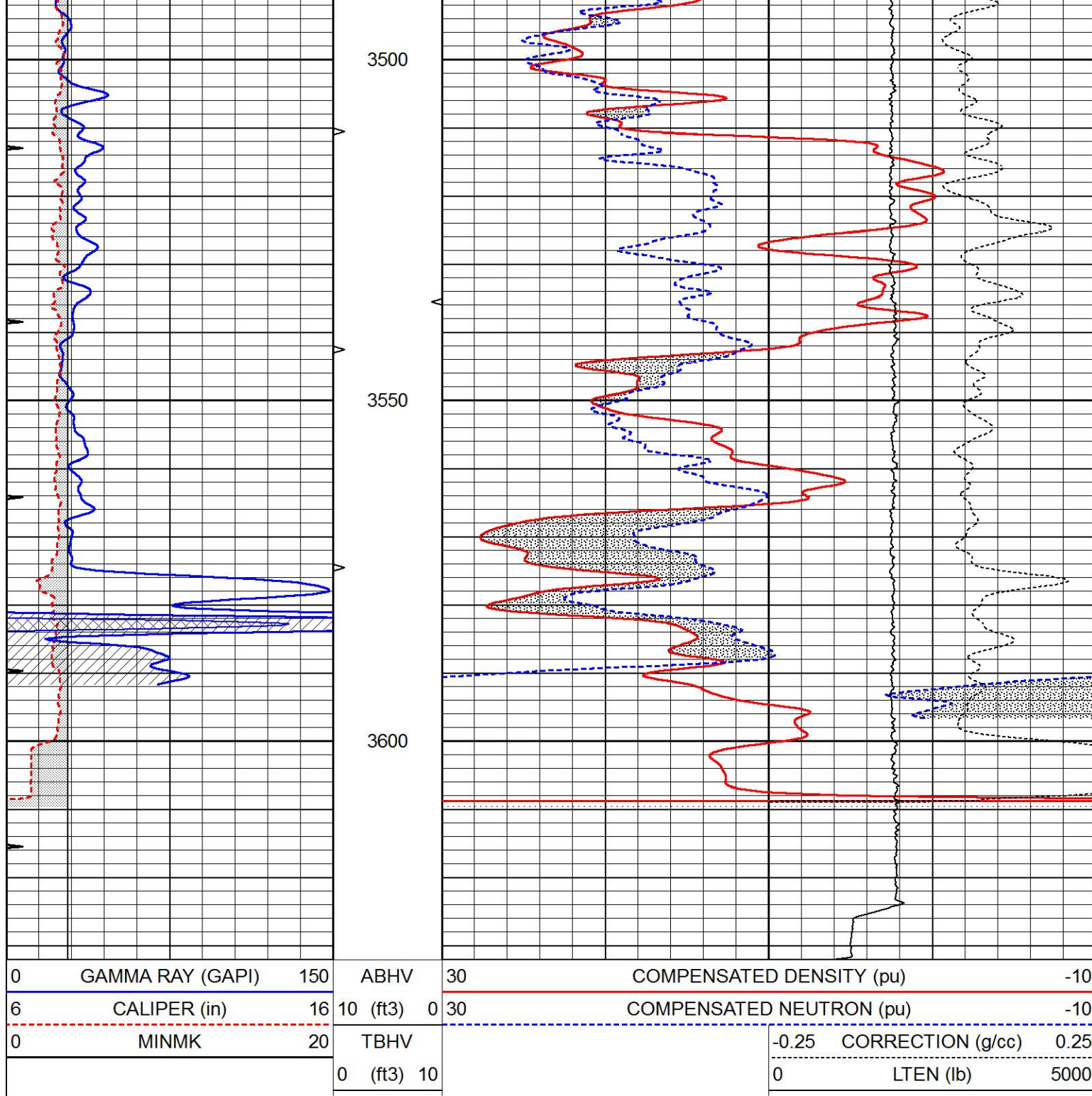


REPEAT SECTION

Database File 6725ddn.db
 Dataset Pathname pass3.1R
 Presentation Format den_neu
 Dataset Creation Sun Nov 20 02:01:17 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		-0.25	CORRECTION (g/cc) 0.25
			0 (ft3) 10		0	LTEN (lb) 5000





DOLOMITE MATRIX

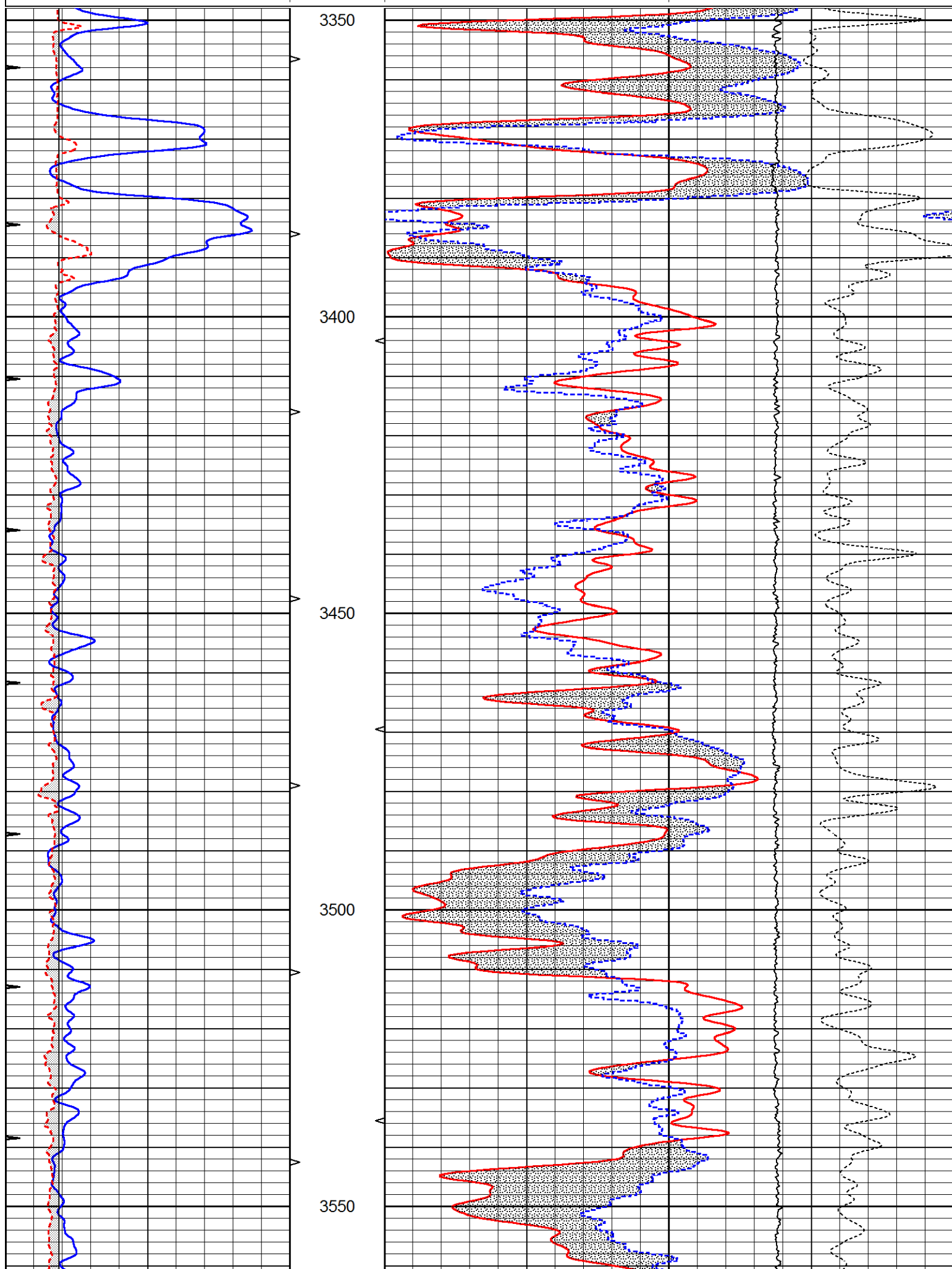
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 Charted by Depth in Feet scaled 1:240

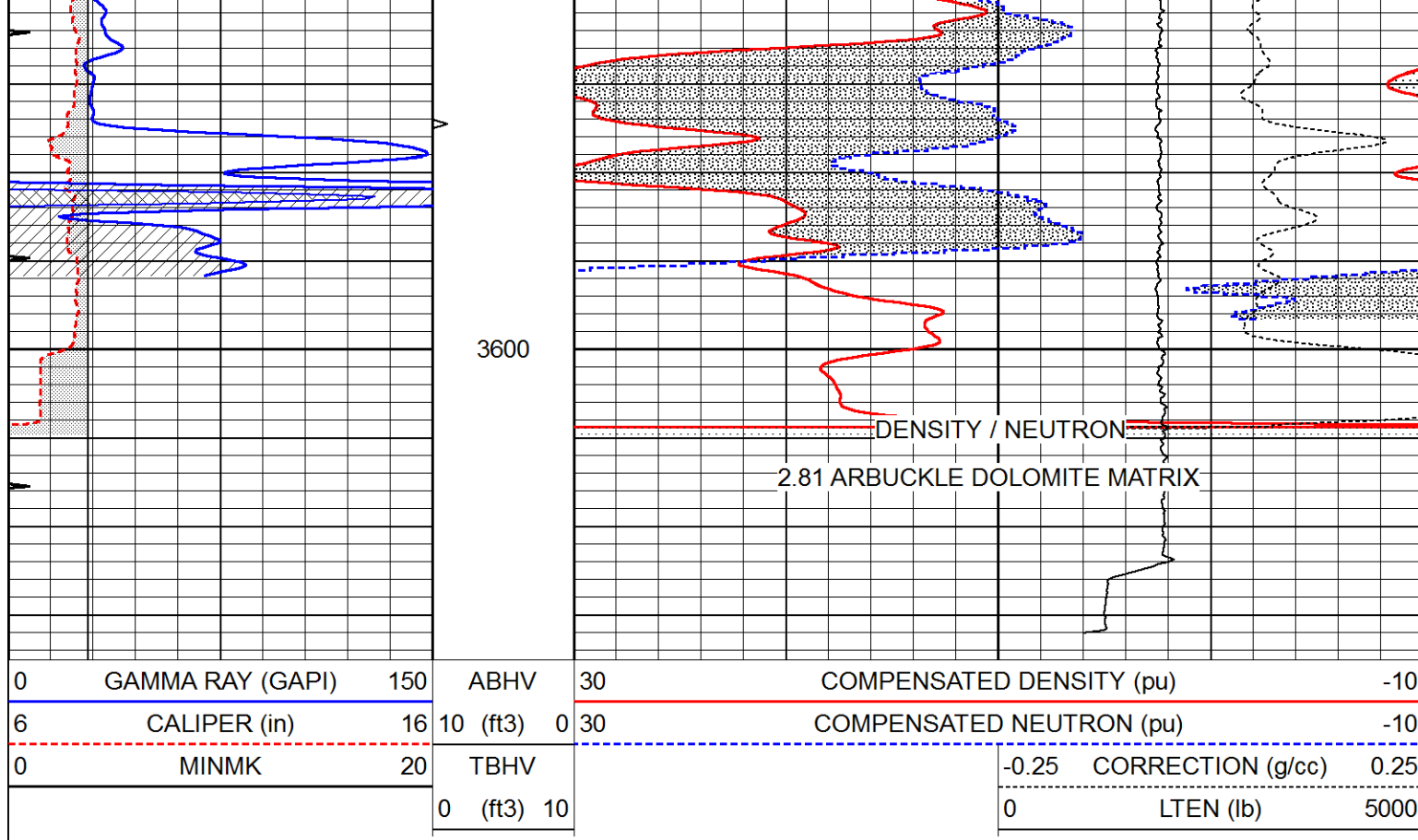


0 (ft3) 10

0 LTEN (lb)

5000





Calibration Report

Database File 6725ddn.db
 Dataset Pathname pass4.1M
 Dataset Creation Sun Nov 20 02:50:41 2022

Dual Induction Calibration Report

Serial-Model: PROBE9-DILG
 Surface Cal Performed: Sun Nov 20 01:58:28 2022
 Downhole Cal Performed: Mon Jul 28 12:02:56 2008
 After Survey Verification Performed: Mon Jul 28 12:02:56 2008

Surface Calibration

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	625.000	-12.000
Medium	0.039	0.728	V	0.000	464.000	mmho/m	600.000	-14.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.011	0.610	V	0.000	400.000	mmho/m	667.135	-7.256
Medium	0.005	0.712	V	0.000	464.000	mmho/m	655.677	-3.102

Downhole Calibration

Readings				References			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	14.508	388.384	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	166.367	504.400	mmho/m	1.000	0.000
LL3		7.500	V		1400.000	Ohm-m		
		0.000	V		20.000	Ohm-m		
		-7.200	V		4000.000	mmho-m		

After Survey Verification

	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:	Tue Nov 08 13:43:57 2022		
	Calibrator Value:	150.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	276.0	cps	
	Sensitivity:	0.8500	GAPI/cps	