

COMPENSATED DENSITY/NEUTRON LOG

Company	RJM OIL COMPANY	Location:	API # : 15-009-26355-0000	Other Services DIL/MEL
Well	REDETZKE #3	1275' FNL & 846' FWL SW - SE - NW - NW		
Field	BEAVER SOUTH			
County	BARTON	State	KANSAS	
Company	RJM OIL COMPANY	Permanent Datum	GROUND LEVEL Elevation	1902
Well	REDETZKE #3	Log Measured From	KELLY BUSHING 10' A.G.L.	
Field	BEAVER SOUTH	Drilling Measured From	KELLY BUSHING	
County	BARTON			
State	KANSAS			
		SEC 34 TWP 16S RGE 12W		
			Elevation	K.B. 1912 D.F. 1910 G.L. 1902
Date	5/24/22			
Run Number	ONE			
Depth Driller	3430			
Depth Logger	3430			
Bottom Logged Interval	3406			
Top Log Interval	2600			
Casing Driller	8 5/8"@396'			
Casing Logger	396396			
Bit Size	7 7/8"			
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES: 4,000 PPM		
Density / Viscosity	9.1/42			
pH / Fluid Loss	9.5/9.6			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	.900@65F			
Rmf @ Meas. Temp	.675@65F			
Rmc @ Meas. Temp	1.08@65F			
Source of Rmf / Rmc	MEASURED			
Rm @ BHT	.527@111F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	3.45 P.M.			
Maximum Recorded Temperature	111F			
Equipment Number	8916			
Location	HAYS, KANSAS			
Recorded By	JEFF LUEBBERS			
Witnessed By	STEVE MURPHY			

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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

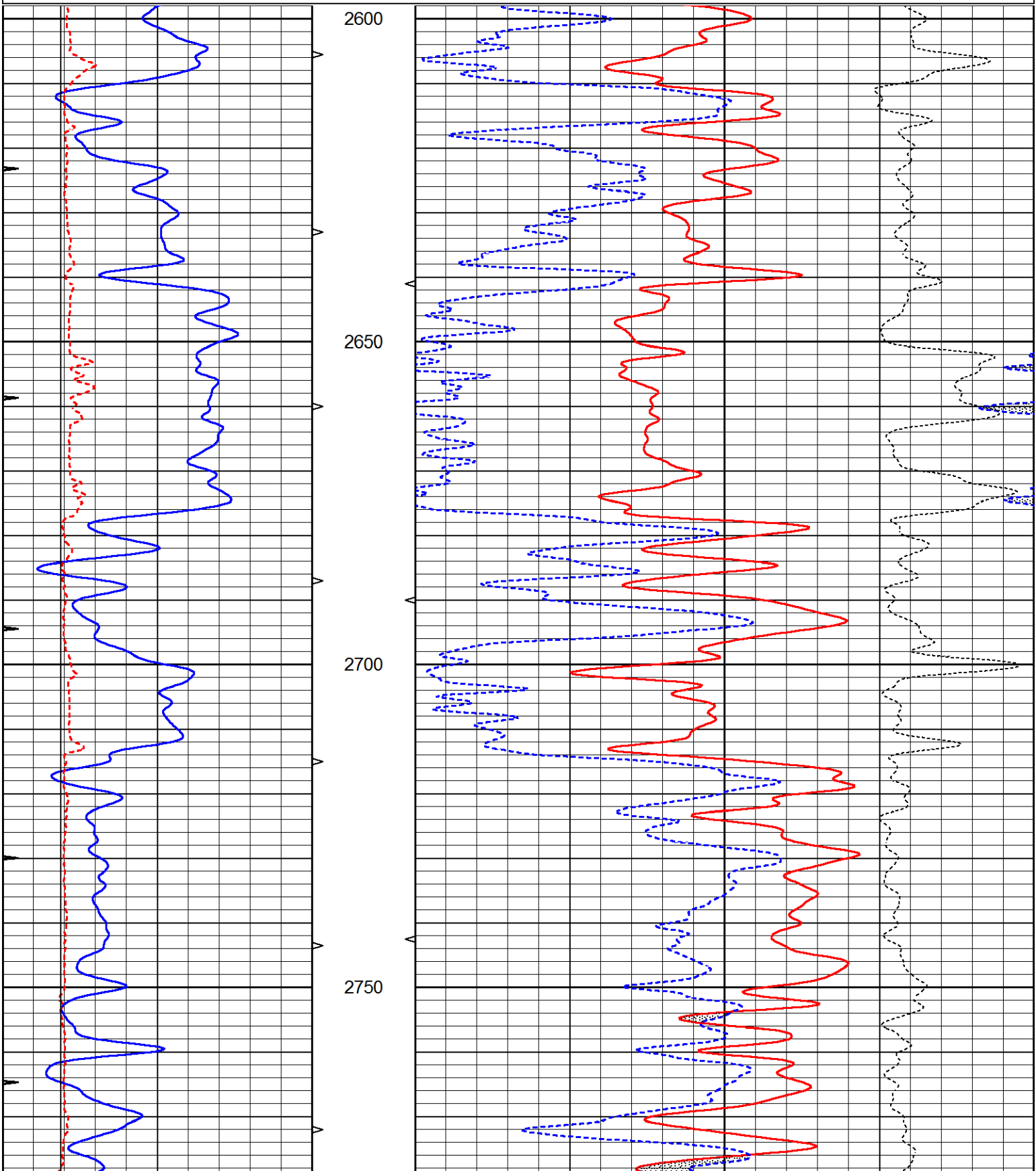
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
BEAVER, KS., 1E. TO "70 AVE.", 1 1/4 S., E. INTO

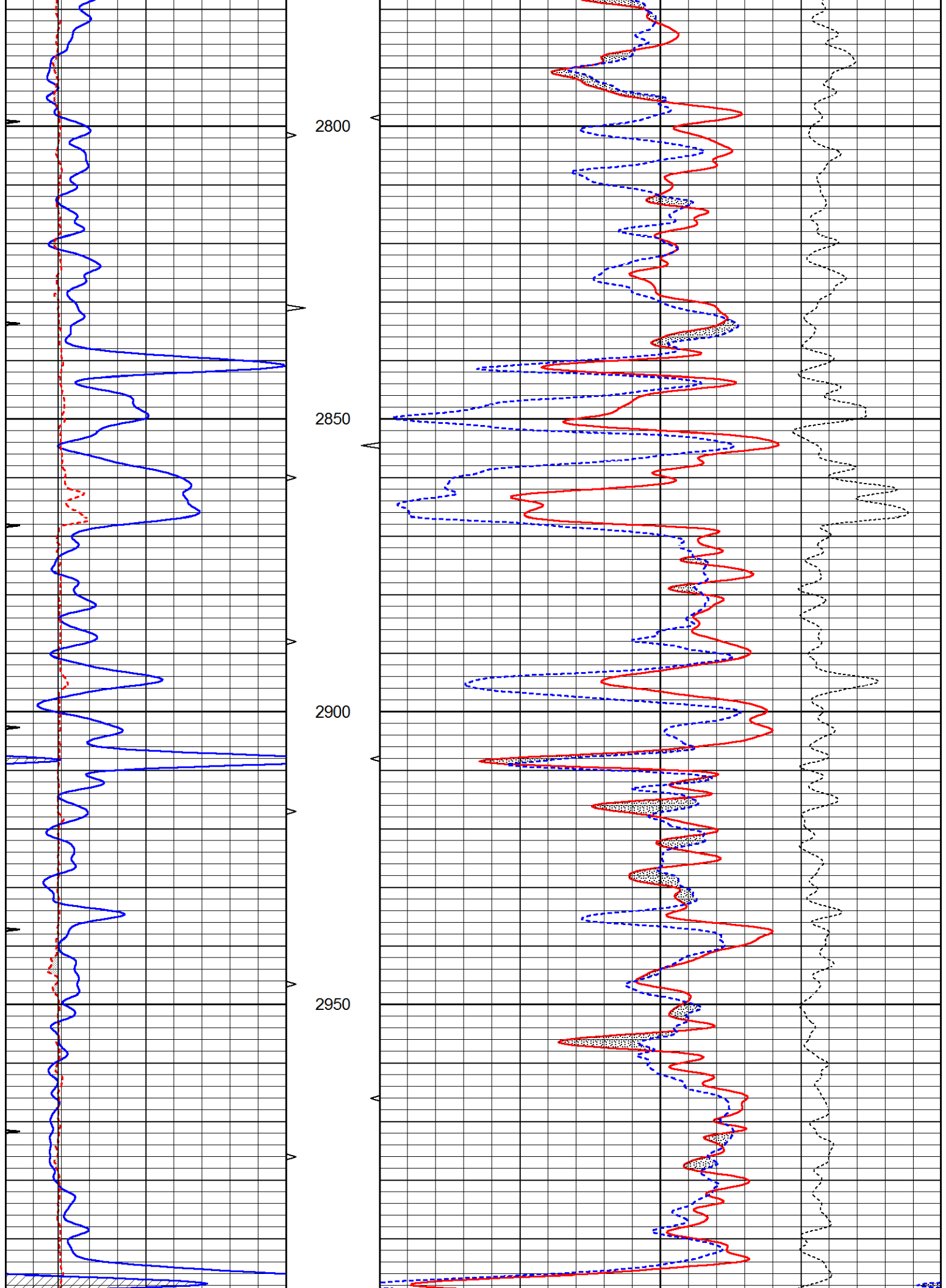


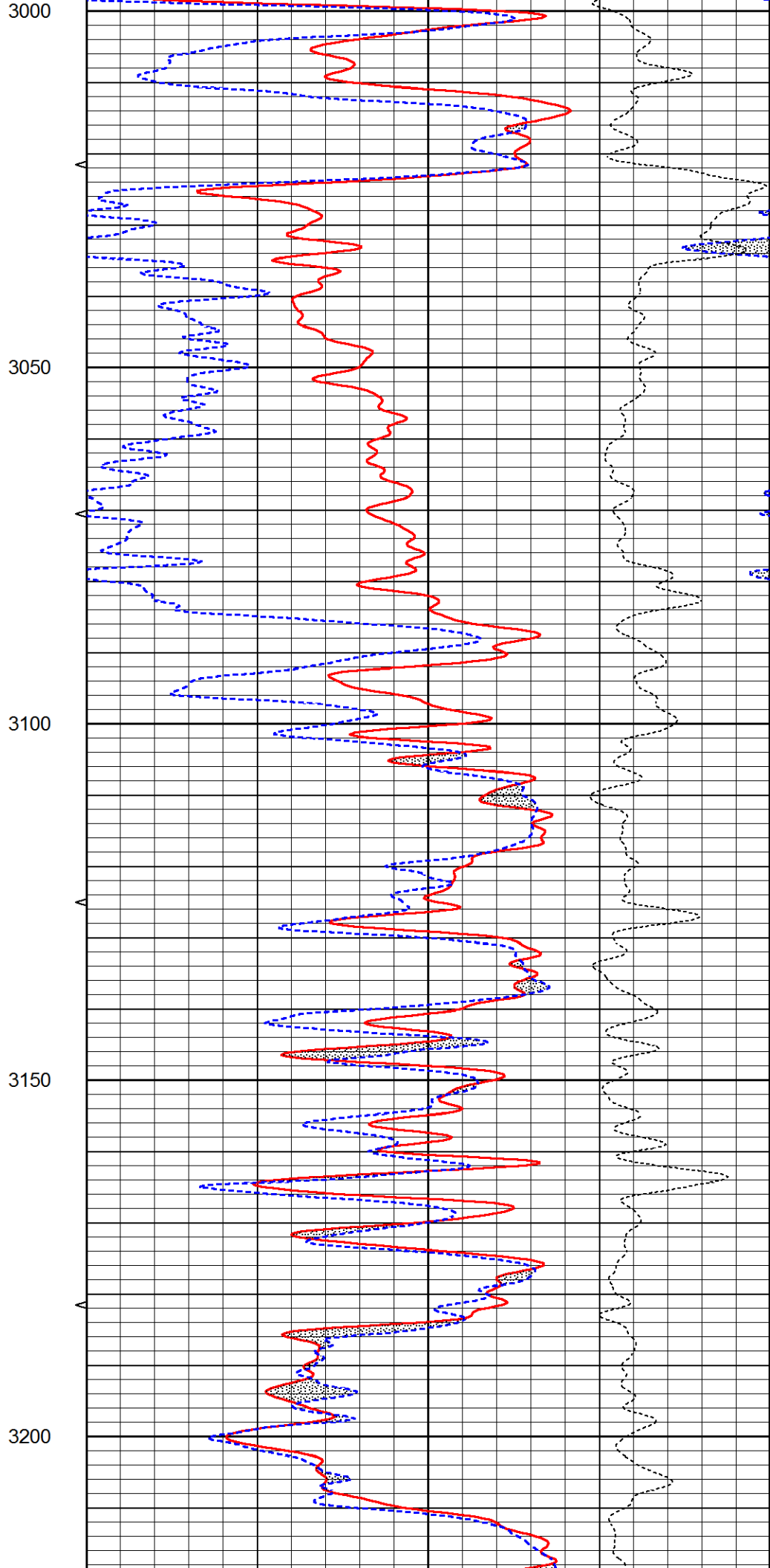
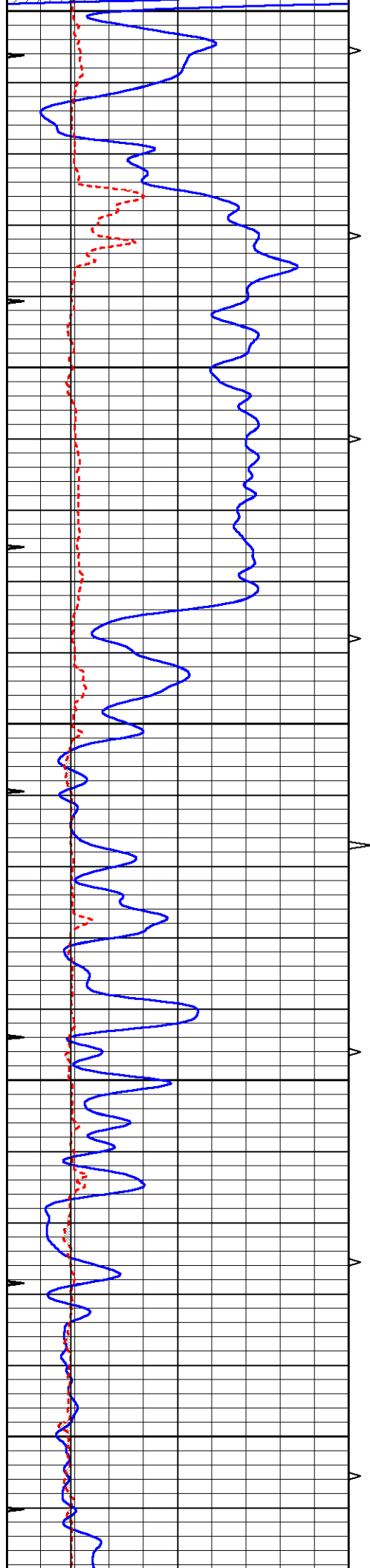
MAIN SECTION

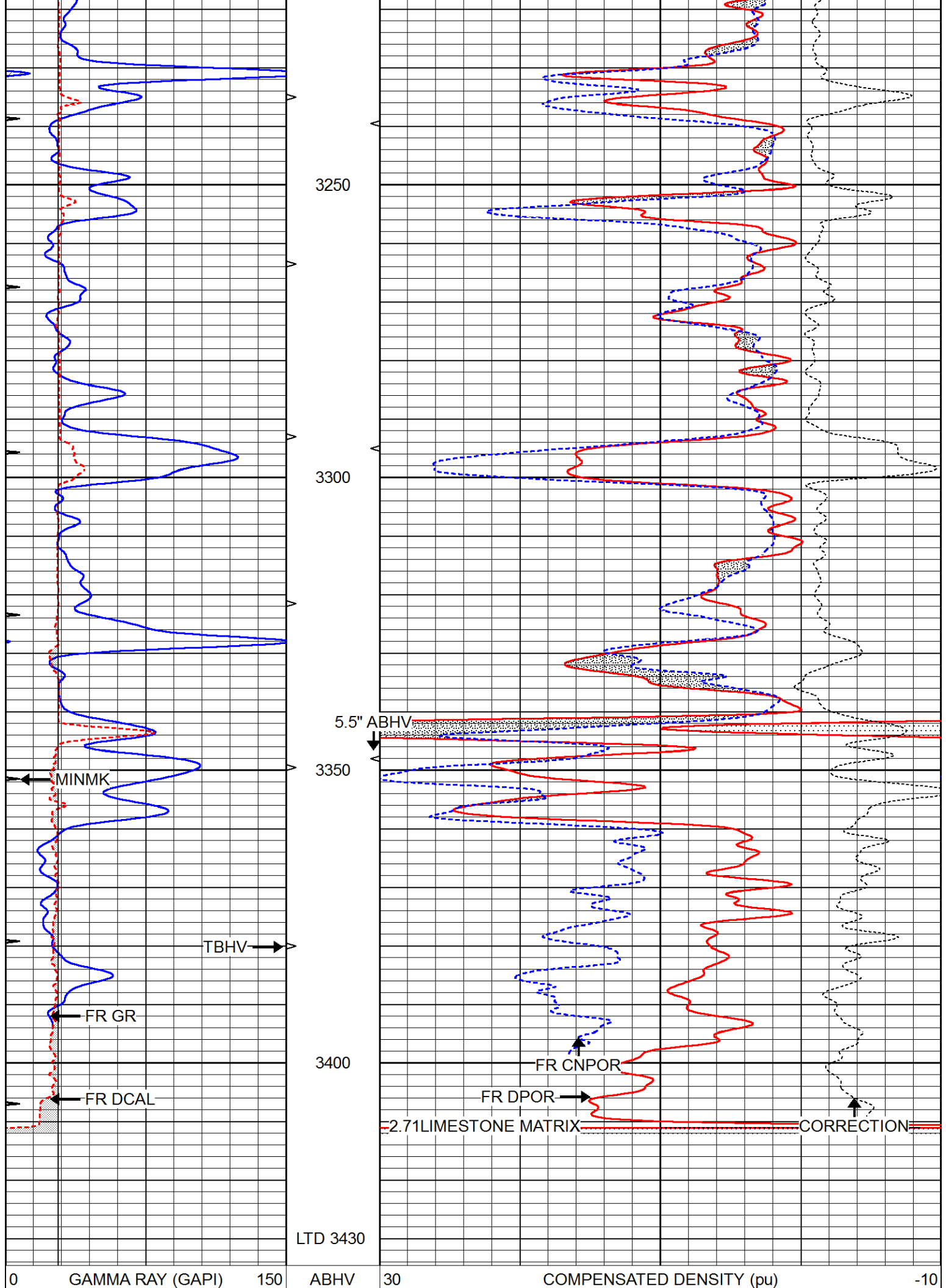
Database File	6555ddn.db
Dataset Pathname	pass3.1M
Presentation Format	den_neu
Dataset Creation	Tue May 24 17:15:23 2022
Charted by	Depth in Feet scaled 1:240

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			









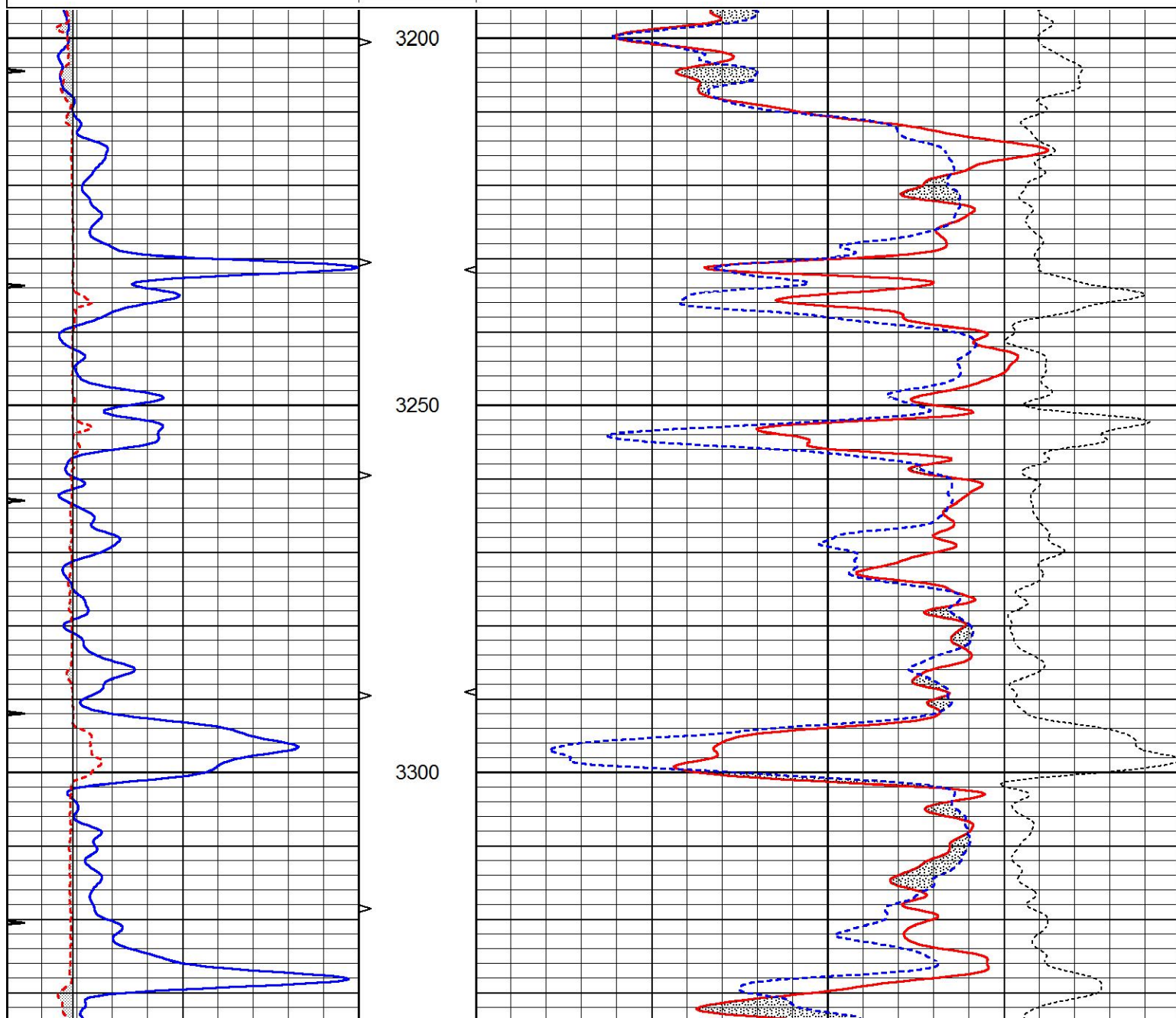
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)	-10
0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc) 0.25
			0 (ft3)	10			

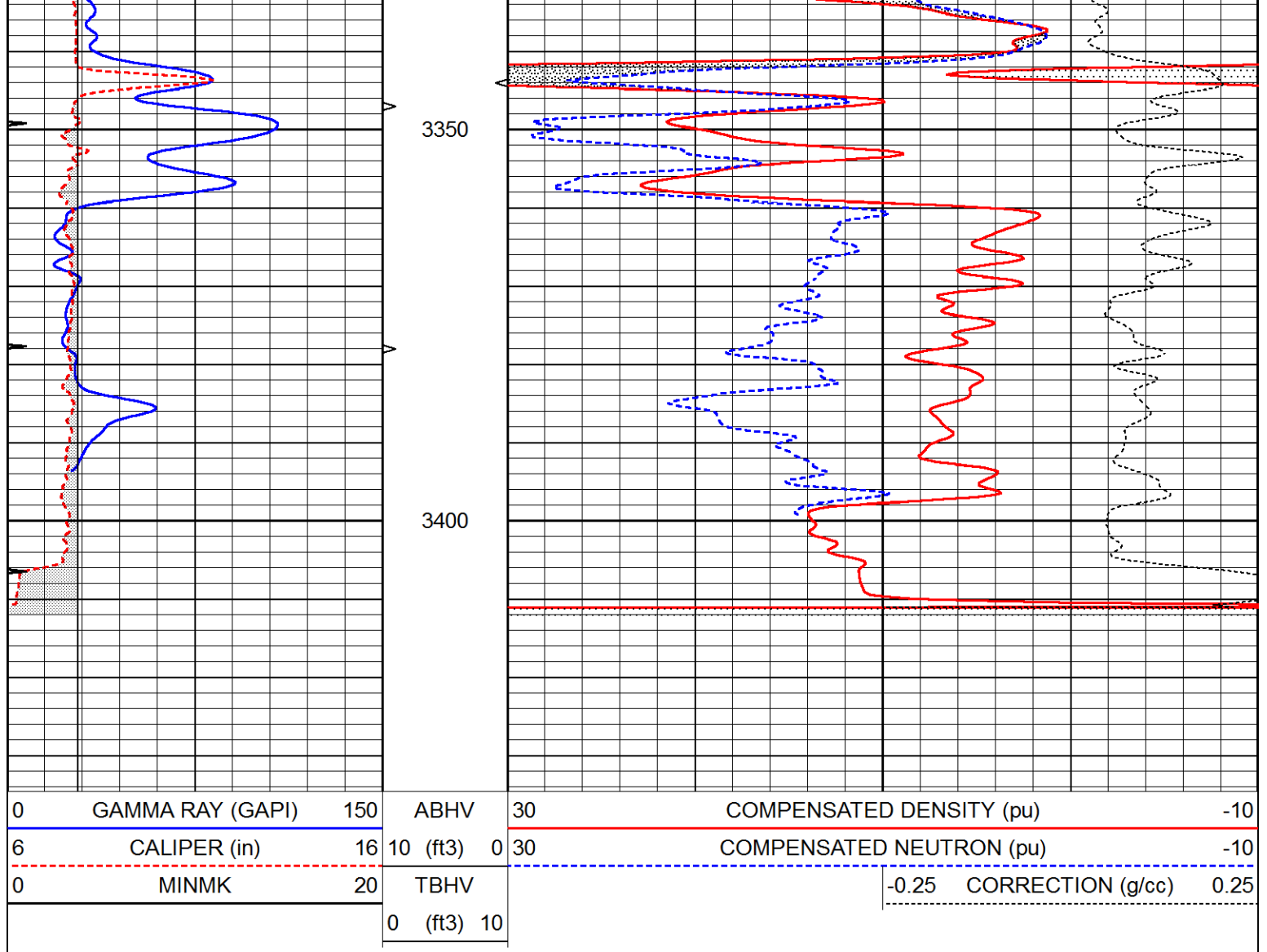


REPEAT SECTION

Database File 6555ddn.db
 Dataset Pathname pass2.2R
 Presentation Format den_neu
 Dataset Creation Tue May 24 16:24:23 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					





Calibration Report

Database File 6555ddn.db
Dataset Pathname pass3.1M
Dataset Creation Tue May 24 17:15:23 2022

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
Surface Cal Performed: Tue May 24 16:04:16 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	600.000	2.000
Medium	0.029	0.796	V	0.000	464.000	mmho/m	590.000	-10.000
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	
Loop:	Air	Loop		Air	Loop		m	b

	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								
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:		Tue May 24 16:03:32 2022				
Calibrator Value:		150.0		GAPI		
Background Reading:		0.0		cps		
Calibrator Reading:		276.0		cps		
Sensitivity:		0.8000		GAPI/cps		