



COMPENSATED DENSITY/NEUTRON LOG

Company	C&G DRILLING, INC.		
Well	BUSENITZ B #2		
Field	PLUM GROVE NW		
County	BUTLER	State	KANSAS
Location:	API # : 15-015-24145-0000		Other Services CDL/CNL ML
2310' FSL & 1750' FEL			
Permanent Datum	SEC 14	TWP 24S	RGE 4E
Log Measured From	GROUND LEVEL Elevation 1401		
Drilling Measured From	KELLY BUSHING 9' A.G.L. KELLY BUSHING		
Elevation	K.B. 1410 D.F. 1408 G.L. 1401		
Date	06/04/21		
Run Number	ONE		
Depth Driller	2580		
Depth Logger	2575		
Bottom Logged Interval	2565		
Top Log Interval	1700		
Casing Driller	8 5/8" @ 211		
Casing Logger	211		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD		
Density / Viscosity	9.2/29		
pH / Fluid Loss	9.0/6.4		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	2.1 @ 70F		
Rmf @ Meas. Temp	1.58 @ 70F		
Rmc @ Meas. Temp	2.52 @ 70F		
Source of Rmf / Rmc	MEASURED		
Rm @ BHT	1.42 @ 103F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	103F		
Equipment Number	1523		
Location	HAYS, KANSAS		
Recorded By	GUS PFANENSTIEL		
Witnessed By	BRANDON WOLFE		

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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

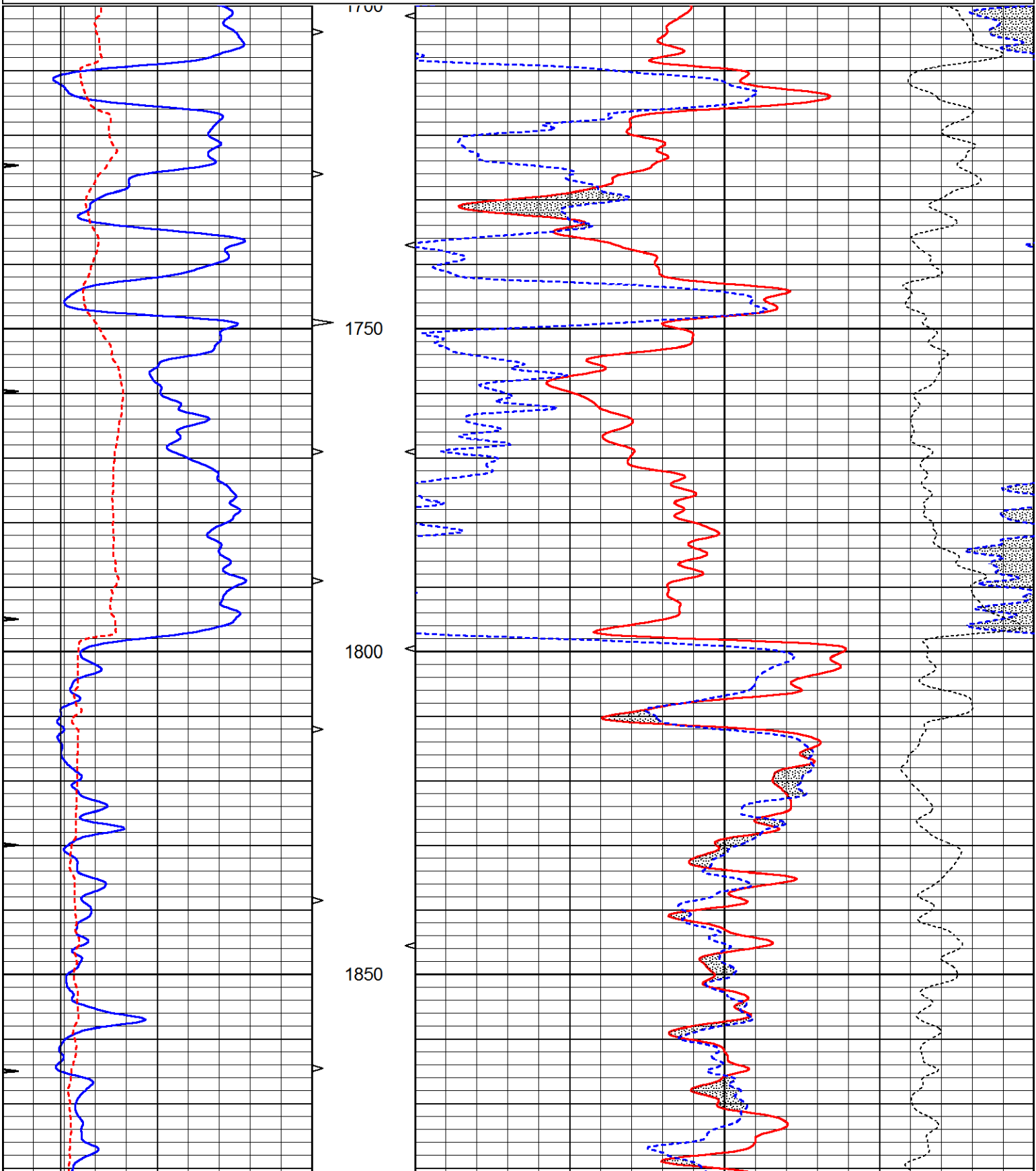
DIRECTIONS:POTWIN NORTH ON NW RIVER VALLEY RD 2 MILES,
3 MILES EAST ON NW 100, 1/2 SOUTH, WEST INTO AT TANK BATTERY

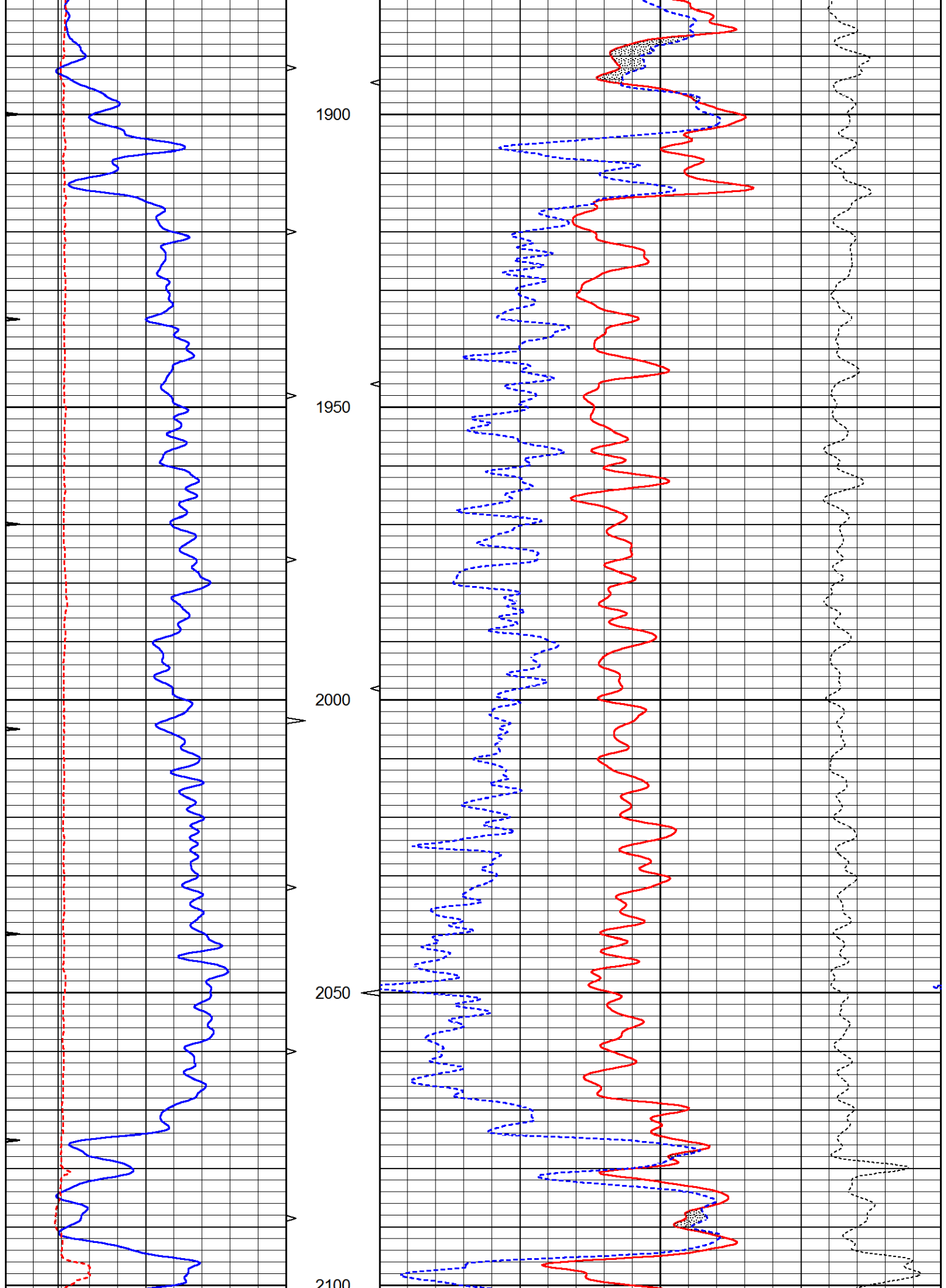


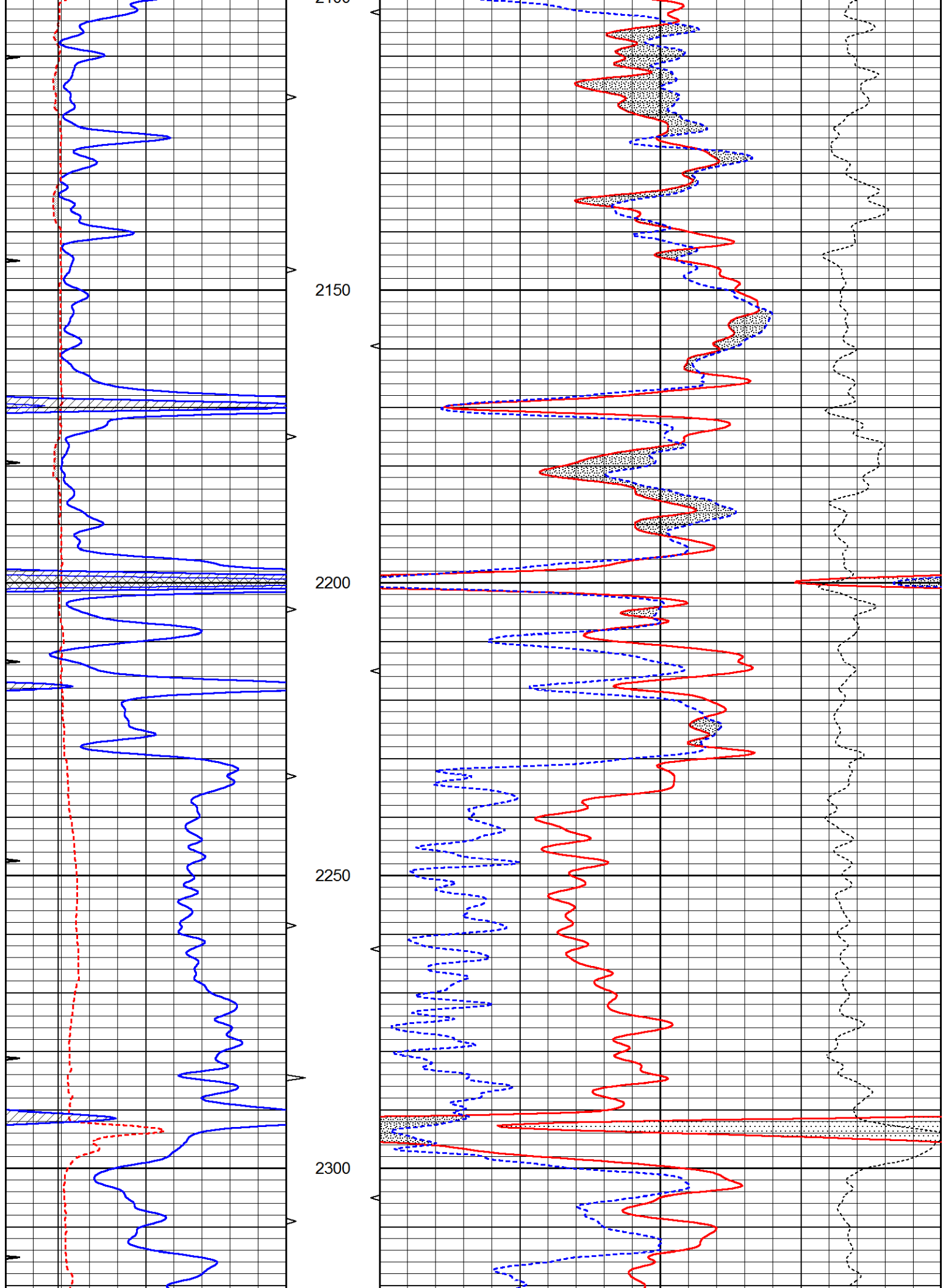
MAIN PASS

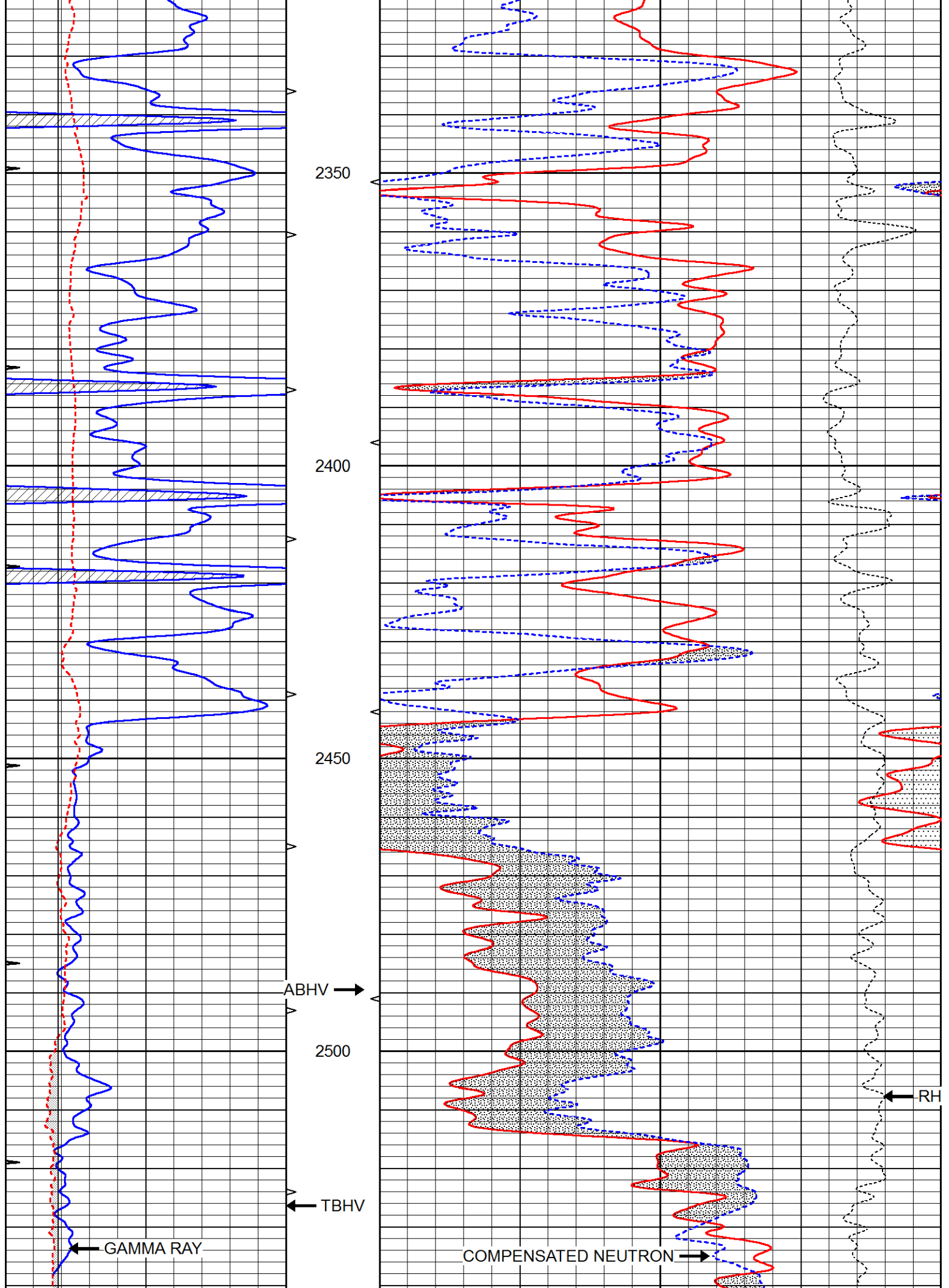
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Dataset Pathname	pass3.1
Presentation Format	den_neu
Dataset Creation	Fri Jun 04 08:46:26 2021
Charted by	Depth in Feet scaled 1:240

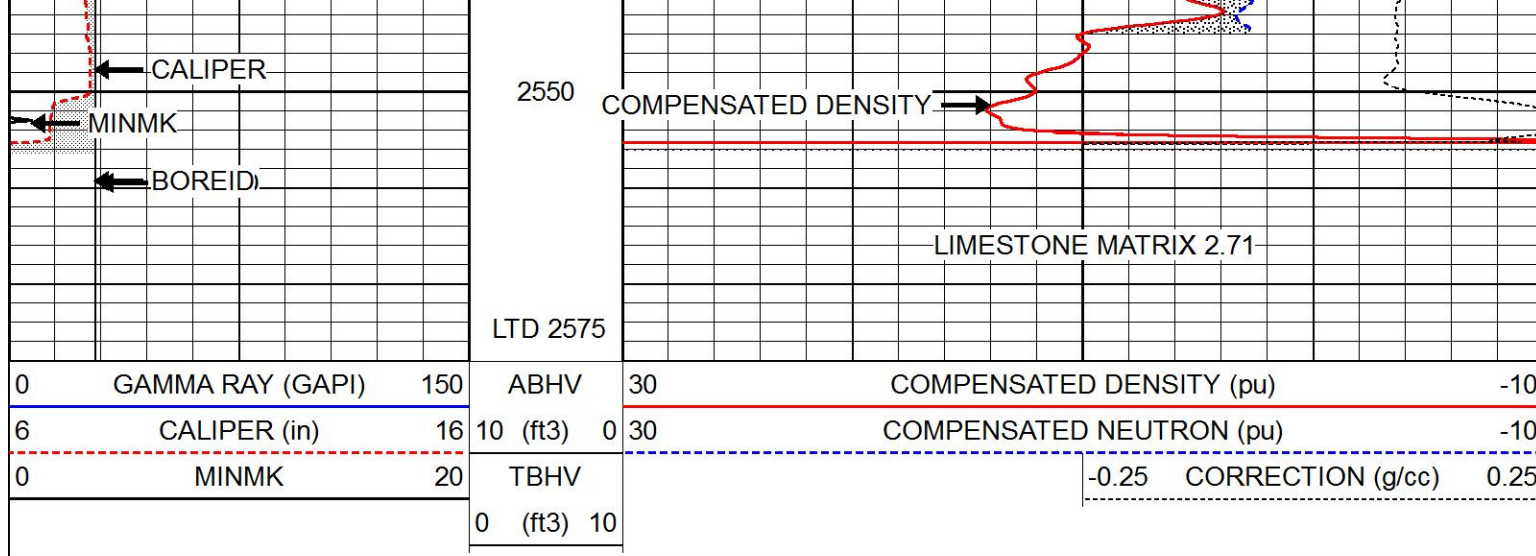
0	GAMMA RAY (GAPI)	150	ABHV	30	COMPENSATED DENSITY (pu)			-10	
6	CALIPER (in)	16	10 (ft3)	0	30	COMPENSATED NEUTRON (pu)			-10
0	MINMK	20	TBHV			-0.25	CORRECTION (g/cc)	0.25	
			0 (ft3)	10					





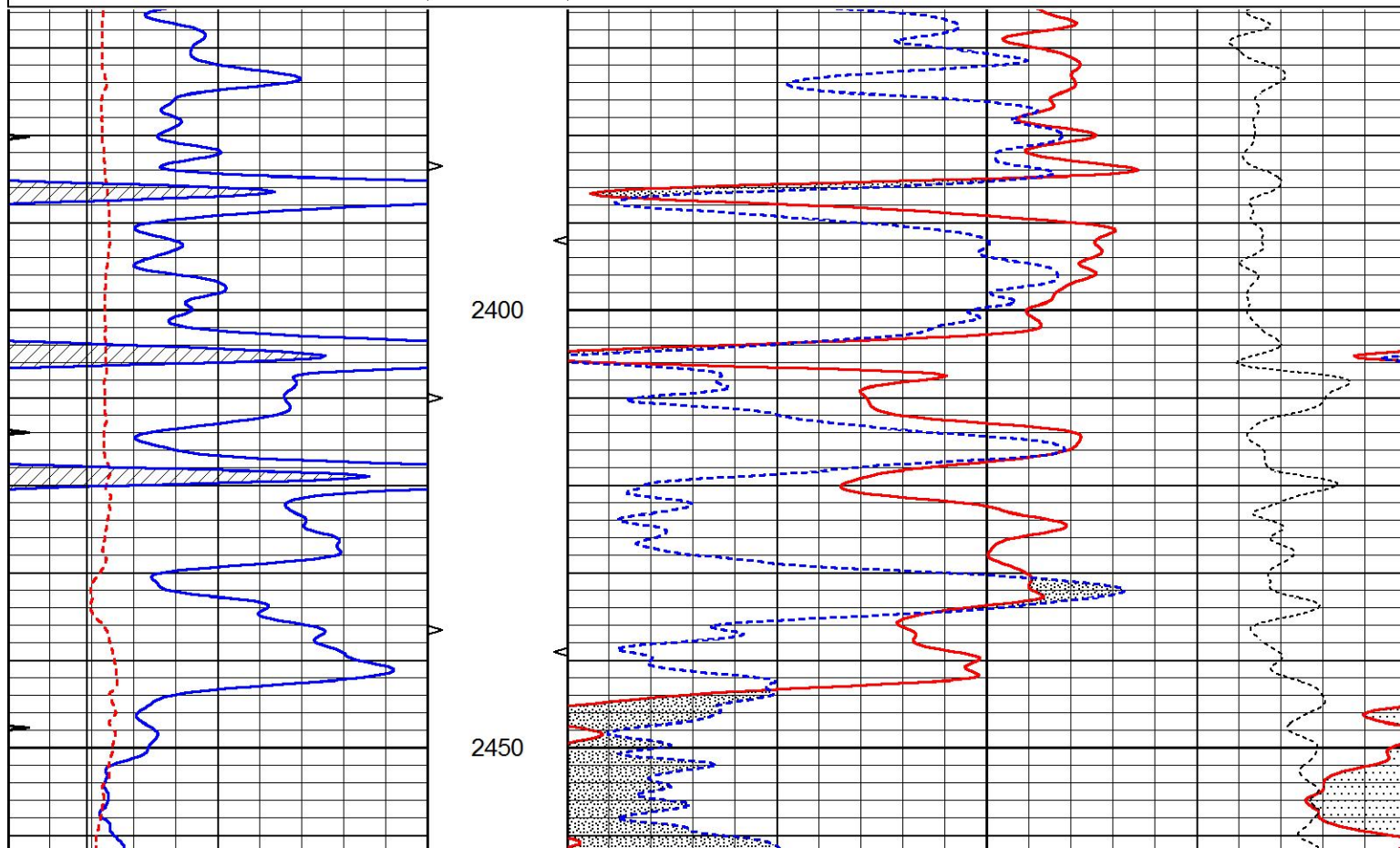
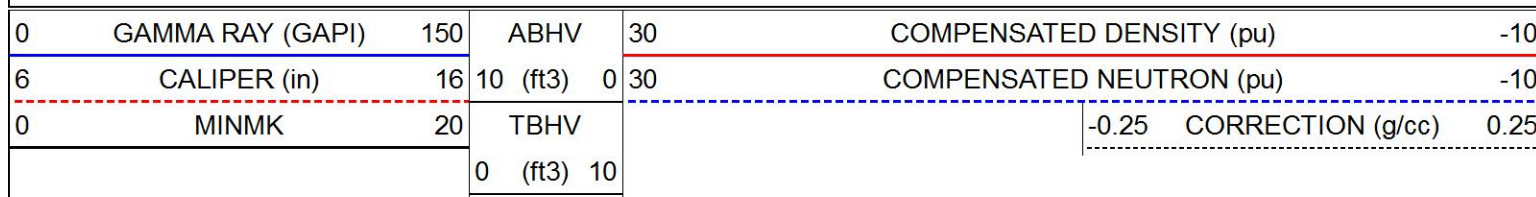


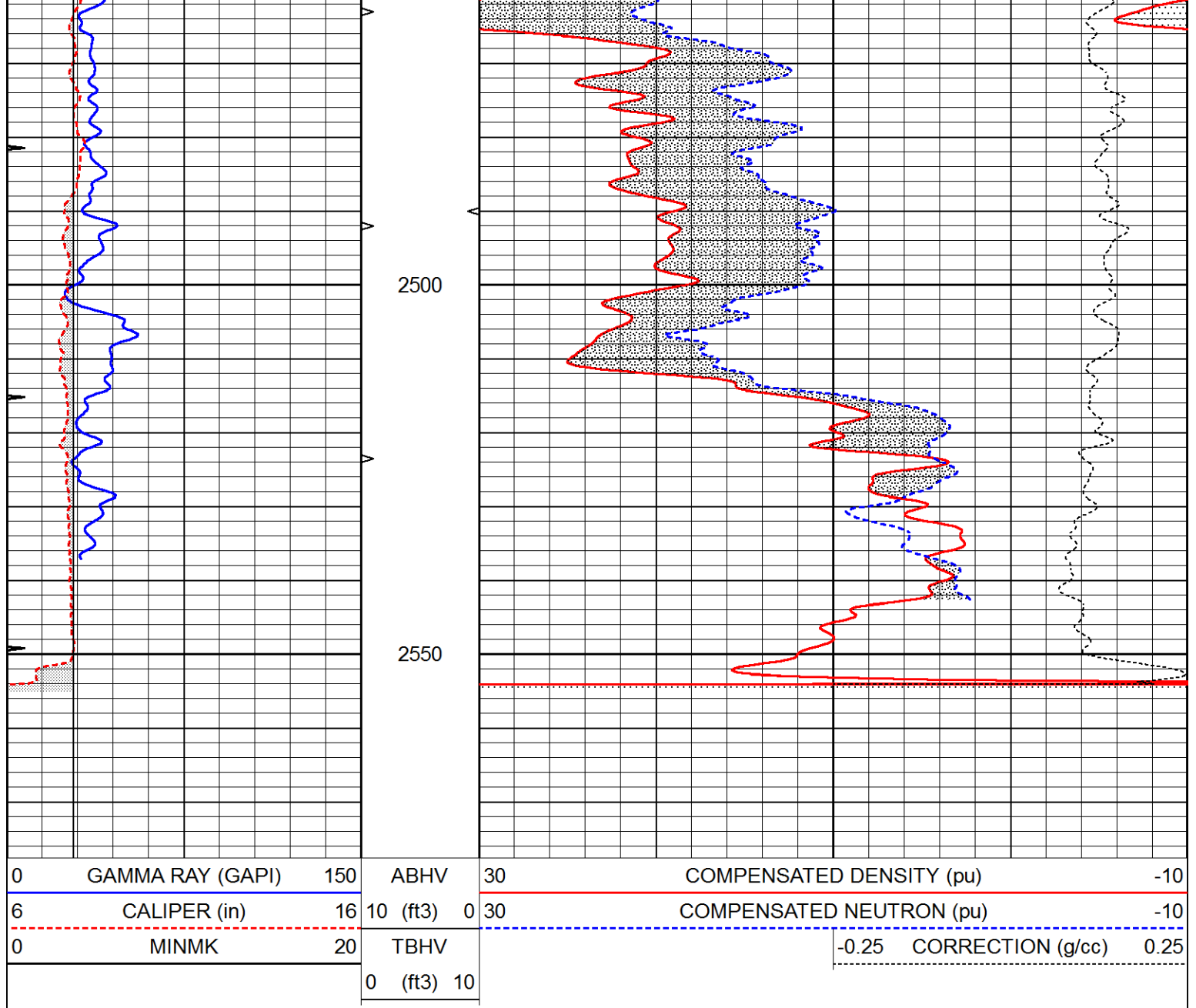




REPEAT SECTION

Database File 5439ddn.db
 Dataset Pathname pass2.1
 Presentation Format den_neu
 Dataset Creation Fri Jun 04 08:33:20 2021
 Charted by Depth in Feet scaled 1:240





Calibration Report

Database File 5439ddn.db
 Dataset Pathname pass2.1
 Dataset Creation Fri Jun 04 08:33:20 2021

Dual Induction Calibration Report

Serial-Model: PROBE8-DILG
 Surface Cal Performed: Mon Sep 10 14:28:35 2018
 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	590.000	-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		

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 Rho	0.0000	0.0000	0.0000	g/cc
Measured Correction	0.0000	0.0000	0.0000	
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	1.0000
Long Space	1.00	cps	1.00	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:	Thu Jul 30 20:04:35 2020			
Calibrator Value:	150.0	GAPI		
Background Reading:	0.0	cps		
Calibrator Reading:	276.0	cps		
Sensitivity:	0.7500	GAPI/cps		