

COMPENSATED DENSITY/NEUTRON LOG

Company MUSTANG ENERGY CORP.

Well GARY #2

Field STAR

County ELLIS

State KANSAS

Location: API # : 15-051-27006-0000

920' FSL & 920' FEL

SEC 31 TWP 11S RGE 19W

Permanent Datum GROUND LEVEL Elevation 2108

Log Measured From KELLY BUSHING 7' A.G.L.

Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
ML

Elevation

K.B. 2115
D.F. 2113
G.L. 2108

Date 7/25/21

Run Number ONE

Depth Driller 3750

Depth Logger 3750

Bottom Logged Interval 3730

Top Log Interval 3050

Casing Driller 8 5/8" @ 214

Casing Logger 214

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 8.9/48

pH / Fluid Loss 10.0/8.8

Source of Sample FLOWLINE

Rm @ Meas. Temp .6@ 70F

Rmf @ Meas. Temp .45@ 70F

Rmc @ Meas. Temp .72 @ 70F

Source of Rmf / Rmc MEASURED

Rm @ BHT .36@ 114F

Time Circulation Stopped 2 HOURS

Time Logger on Bottom 114F

Maximum Recorded Temperature 1523

Equipment Number 1523

Location HAYS, KANSAS

Recorded By GUS PFANENSTIEL

Witnessed By CAMERON BRIN

<<< Fold Here >>>

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

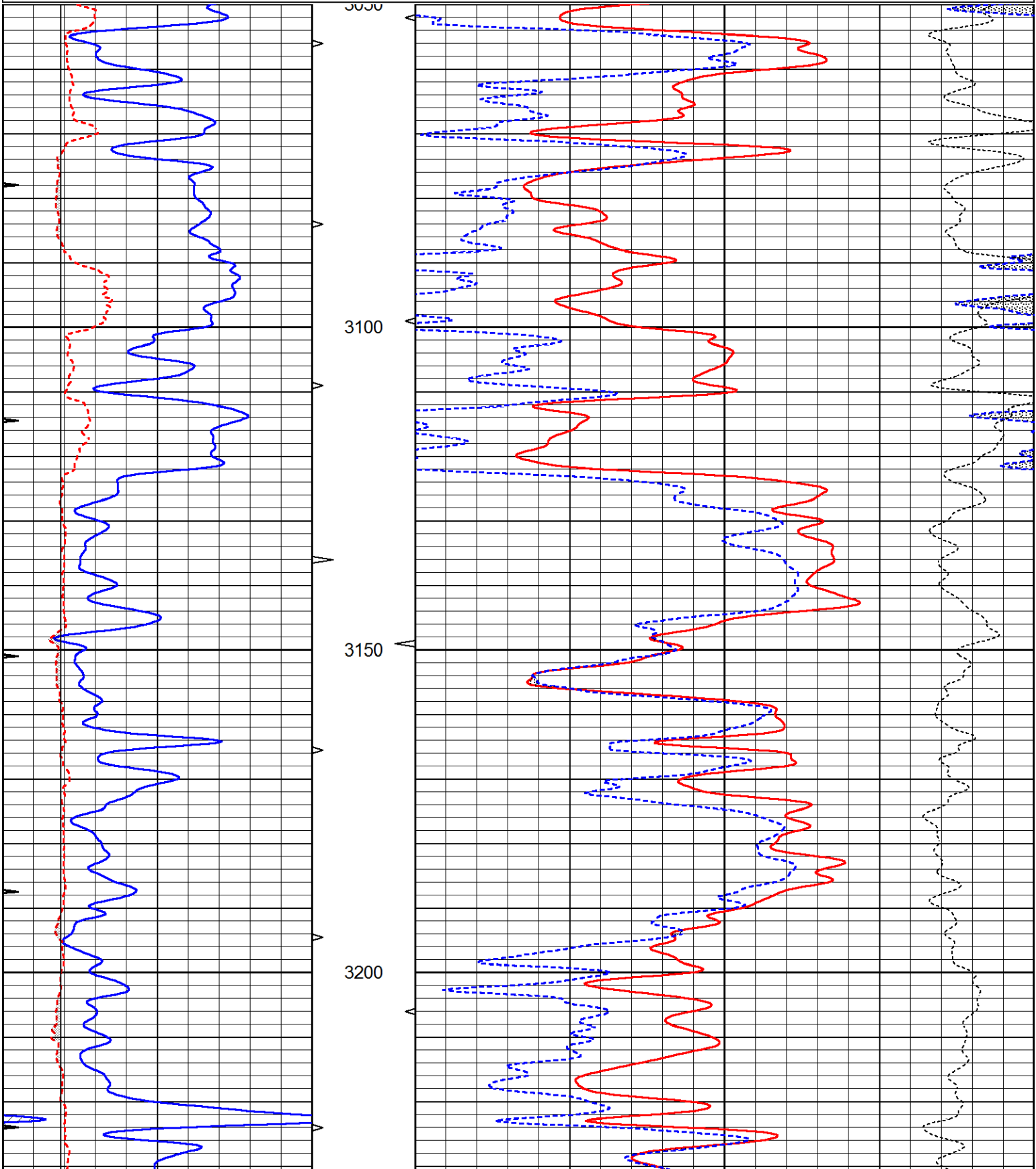
DIRECTIONS: YOCEMENTO NORTH TO HOMESTEAD RD. WEST 2 MILES
NORTH 1/2, WEST INTO.

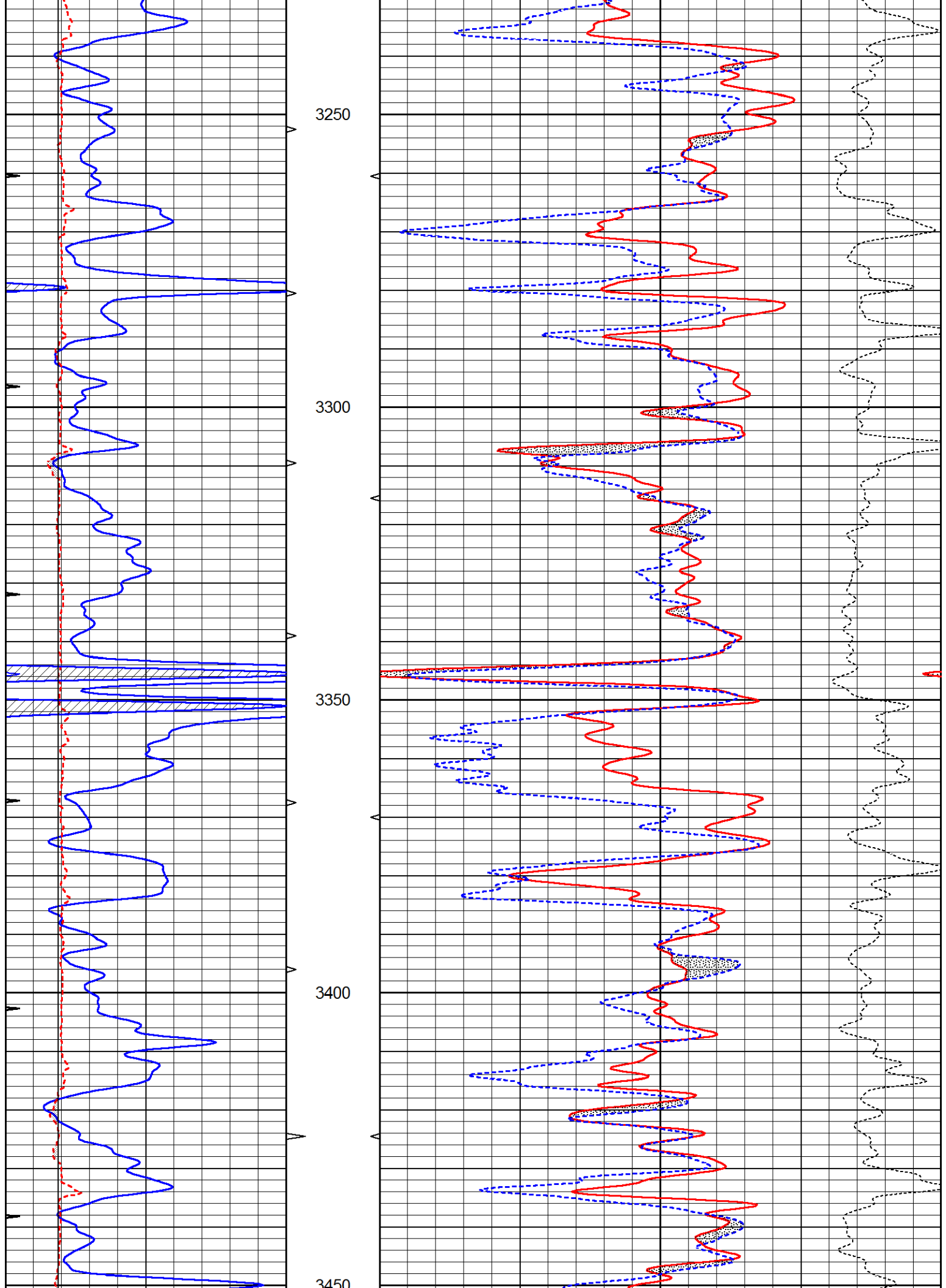


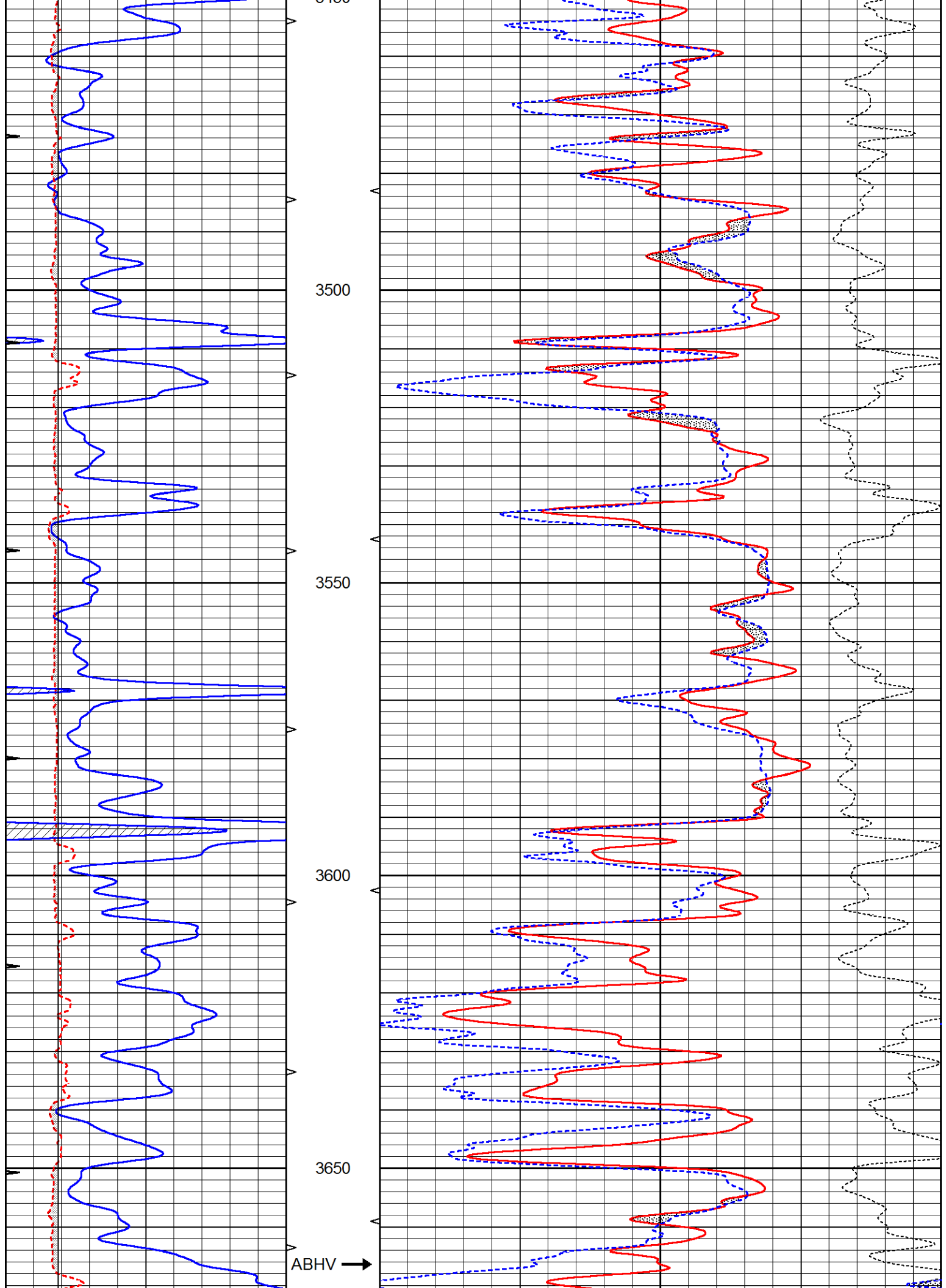
MAIN PASS

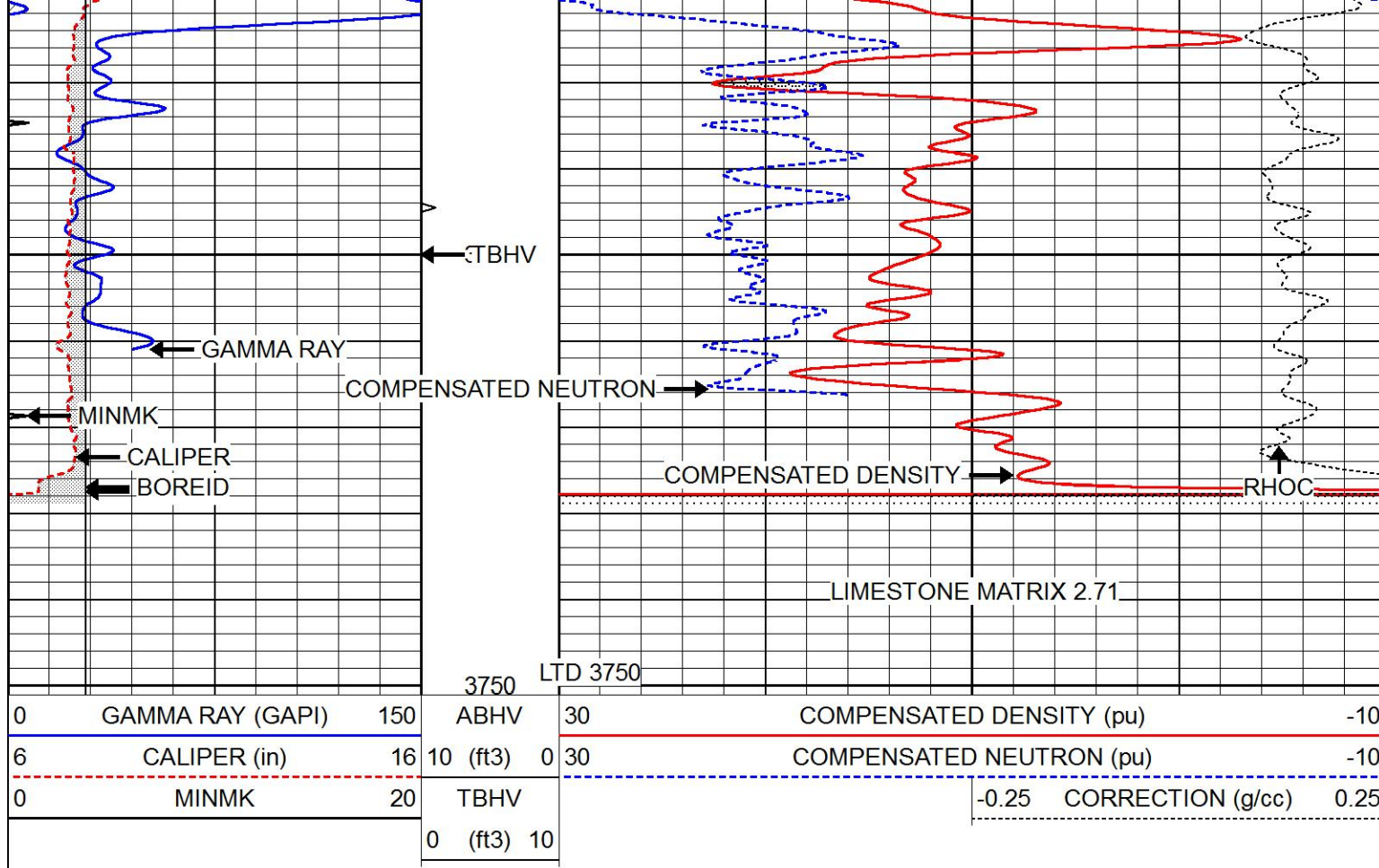
Database File	5609ddn.db
Dataset Pathname	pass3.1
Presentation Format	den_neu
Dataset Creation	Sun Jul 25 14:30:48 2021
Charted by	Depth in Feet scaled 1:240

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					





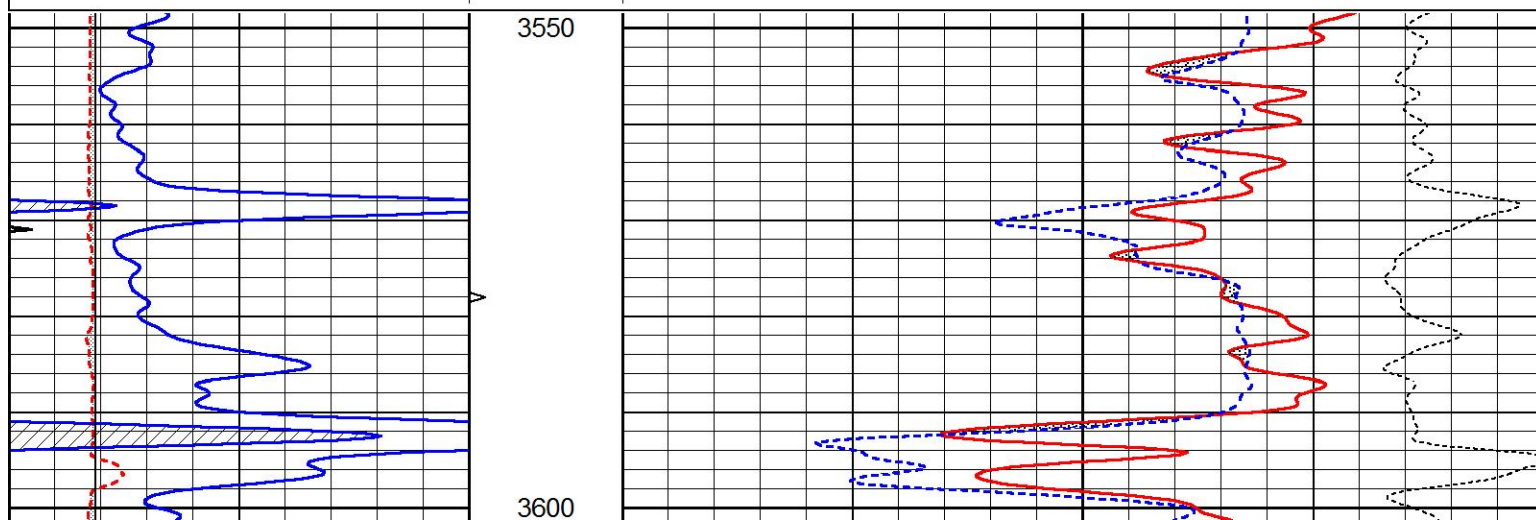


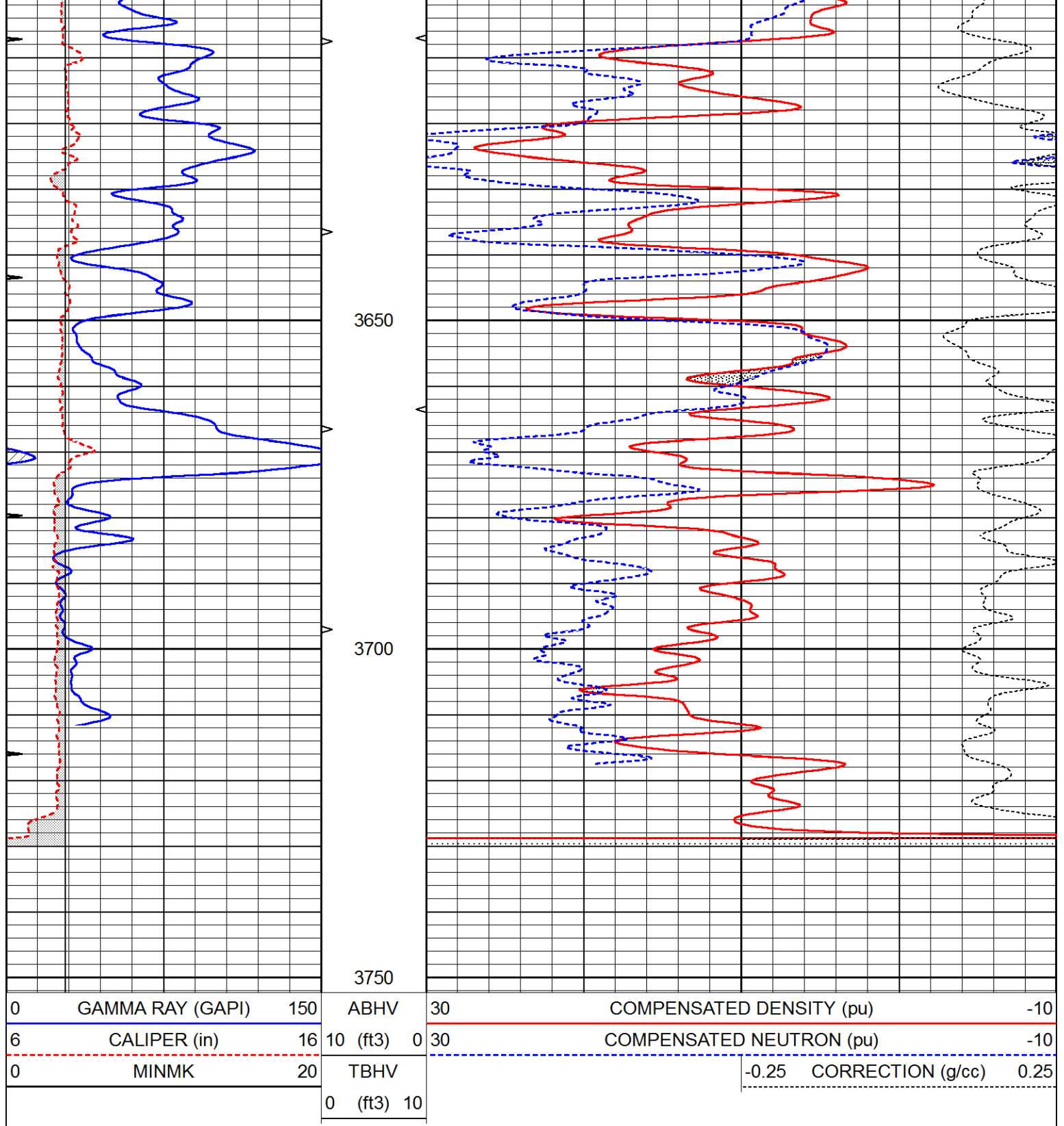


REPEAT SECTION

Database File 5609ddn.db
 Dataset Pathname pass2.1
 Presentation Format den_neu
 Dataset Creation Sun Jul 25 14:34:11 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			





Calibration Report

Database File 5609ddn.db
 Dataset Pathname pass2.1
 Dataset Creation Sun Jul 25 14:34:11 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 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	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		