



COMPENSATED DENSITY/NEUTRON PE LOG

Company I A OPERATING, INC.

Well CLOCK #3-1

Field CONKLING

County PAWNEE State KANSAS

Location: API #: 15-145-21870-0000

1455' FSL & 383' FWL
SW - NW - SW

SEC 3 TWP 20S RGE 18W

Permanent Datum GROUND LEVEL Elevation 2180
Log Measured From KELLY BUSHING 8' A.G.L.
Drilling Measured From KELLY BUSHING

Other Services
DIL/MEL
SONIC

Elevation
K.B. 2188
D.F. 2186
G.L. 2180

Date 5/29/22

Run Number ONE

Depth Driller 4109

Depth Logger 4110

Bottom Logged Interval 4086

Top Log Interval 3300

Casing Driller 8 5/8"@1283'

Casing Logger 1283

Bit Size 7 7/8"

Type Fluid in Hole CHEMICAL MUD

Density / Viscosity 9.2/55

pH / Fluid Loss 10.5/6.4

Source of Sample FLOWLINE

Rm @ Meas. Temp .510@80F

Rmf @ Meas. Temp .383@80F

Rmc @ Meas. Temp .612@80F

Source of Rmf / Rmc MEASURED

Rm @ BHT .349@117F

Time Circulation Stopped 2.5 HOURS

Time Logger on Bottom 4:00 A.M.

Maximum Recorded Temperature 117F

Equipment Number 8916

Location HAYS, KANSAS

Recorded By JEFF LUEBBERS

Witnessed By JEFF LAWLER

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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

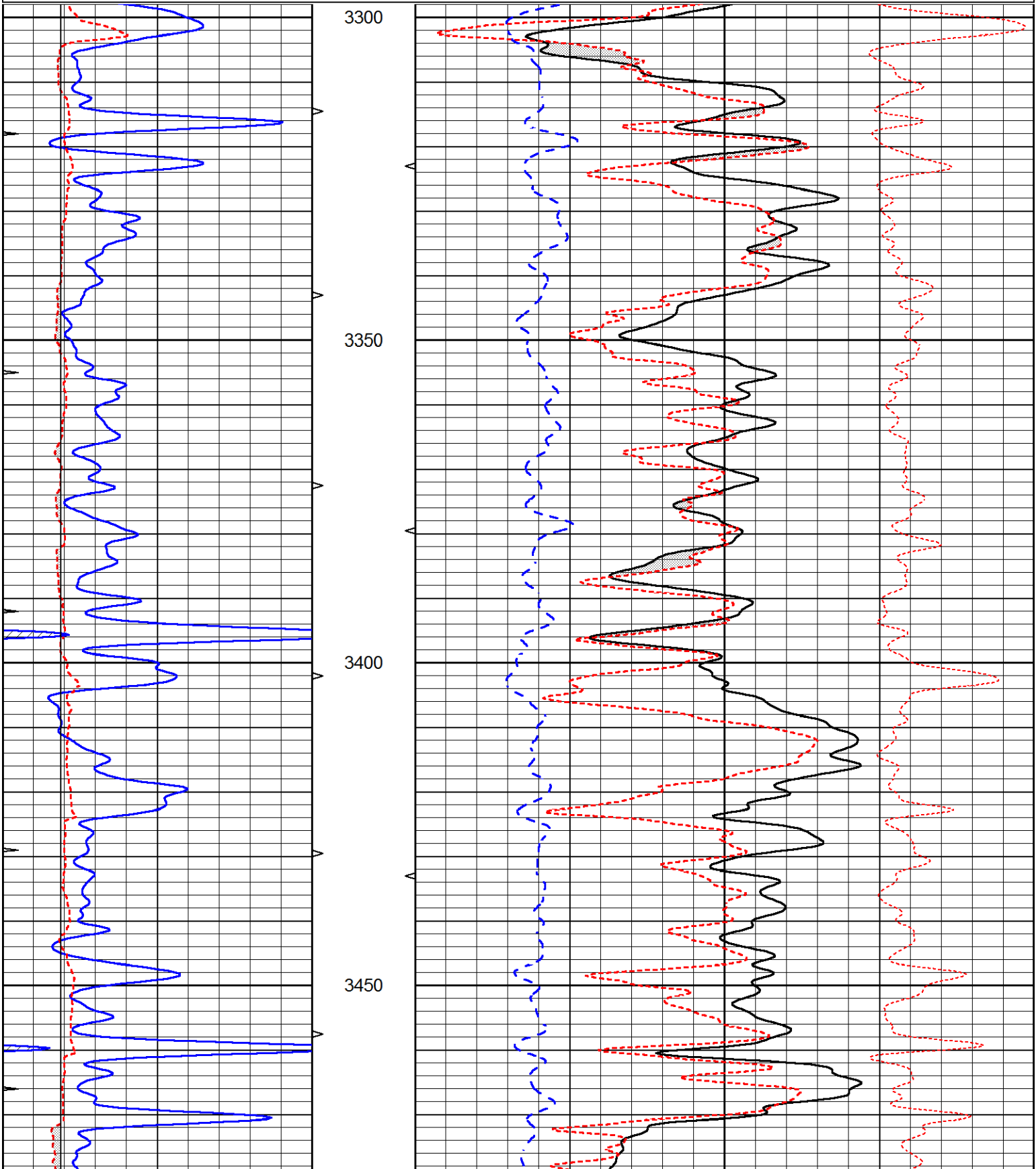
THANK YOU FOR USING ELI WIRELINE, HAYS, KS. (785) 628-6395
DIRECTIONS:
RUSH CENTER, KS. (4 WAY STOP) 8 1/2S. ON HWY 183, E. INTO

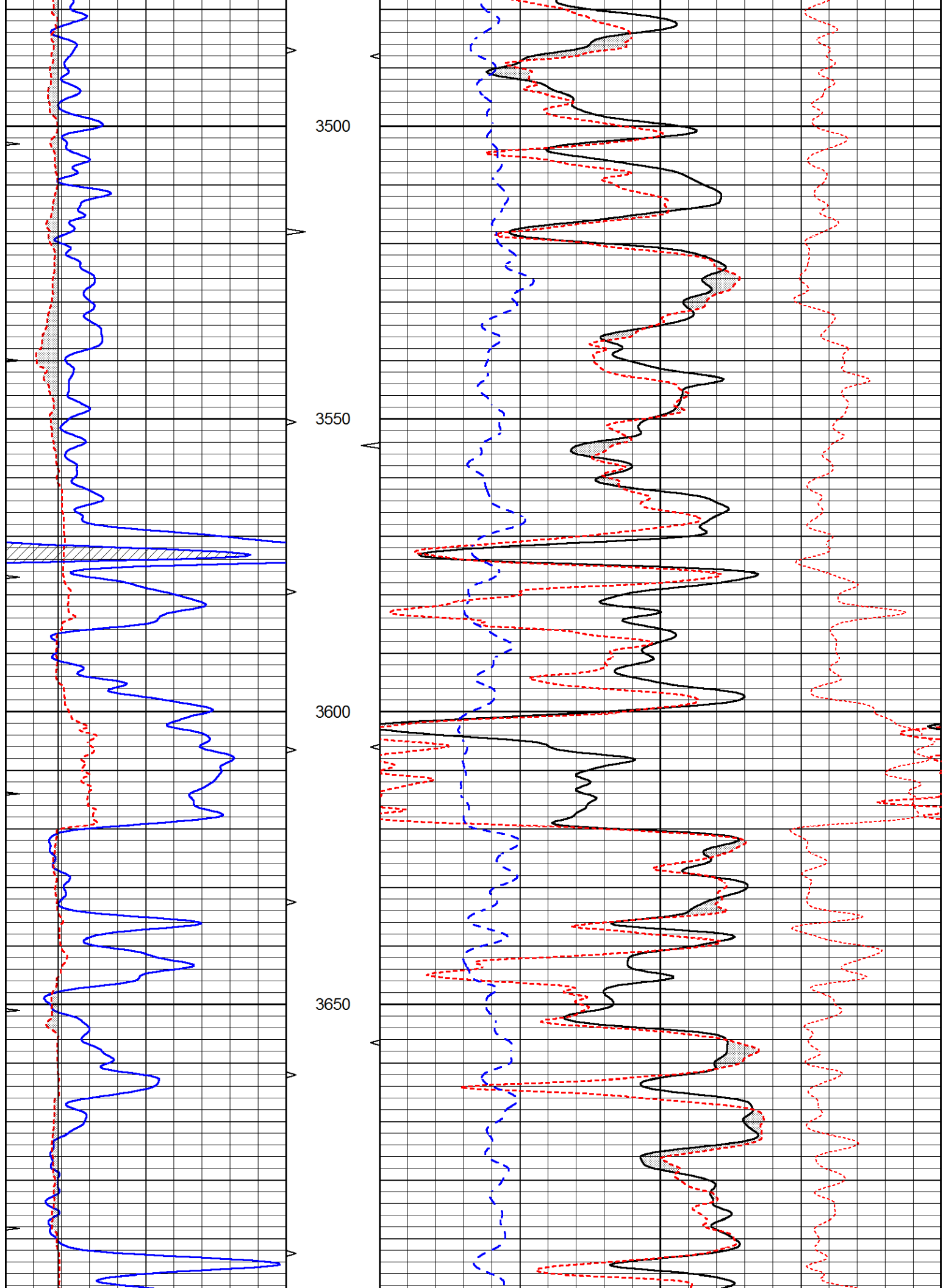


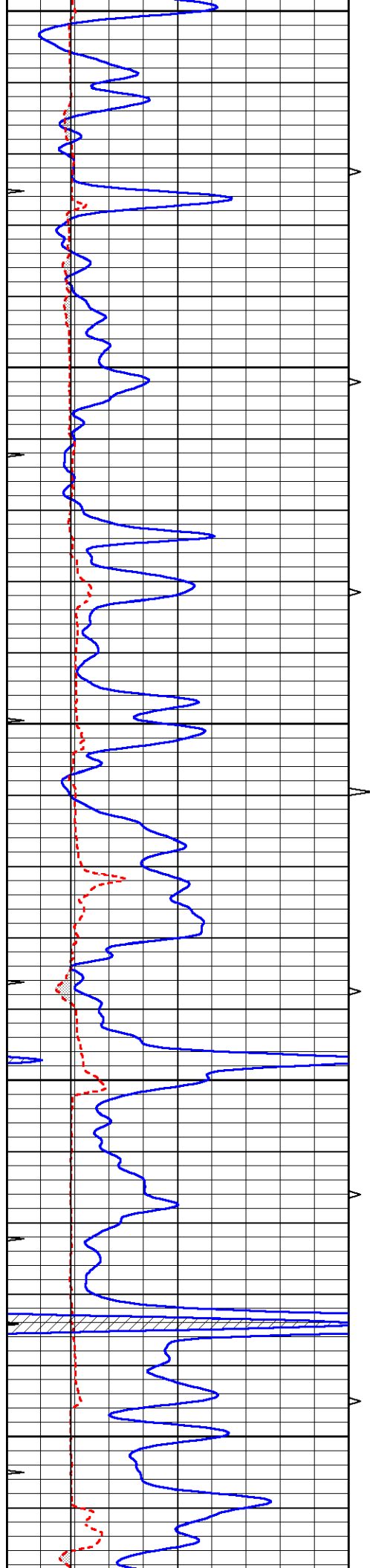
MAIN SECTION

Database File	6559pe.db
Dataset Pathname	pass3.1M
Presentation Format	_ldt_neu
Dataset Creation	Sun May 29 05:33:16 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	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			







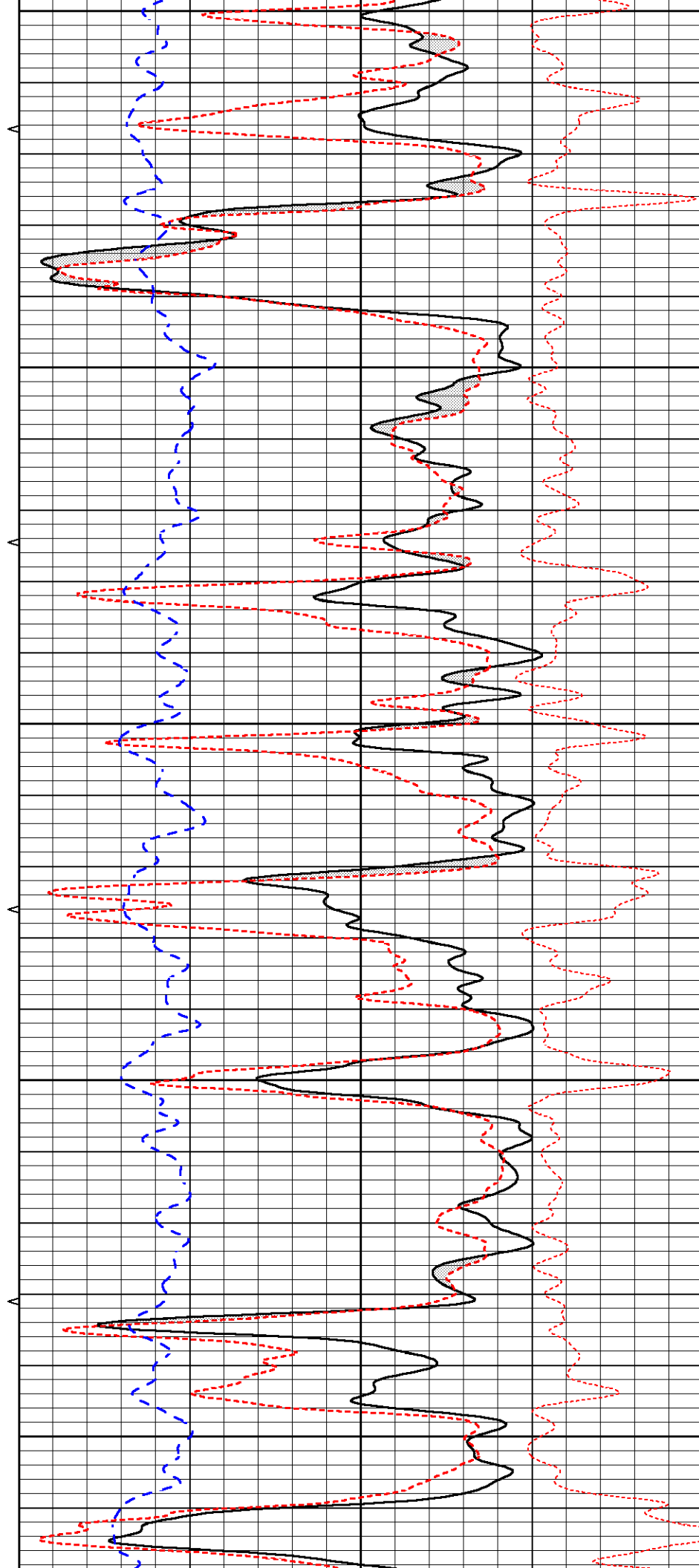
3700

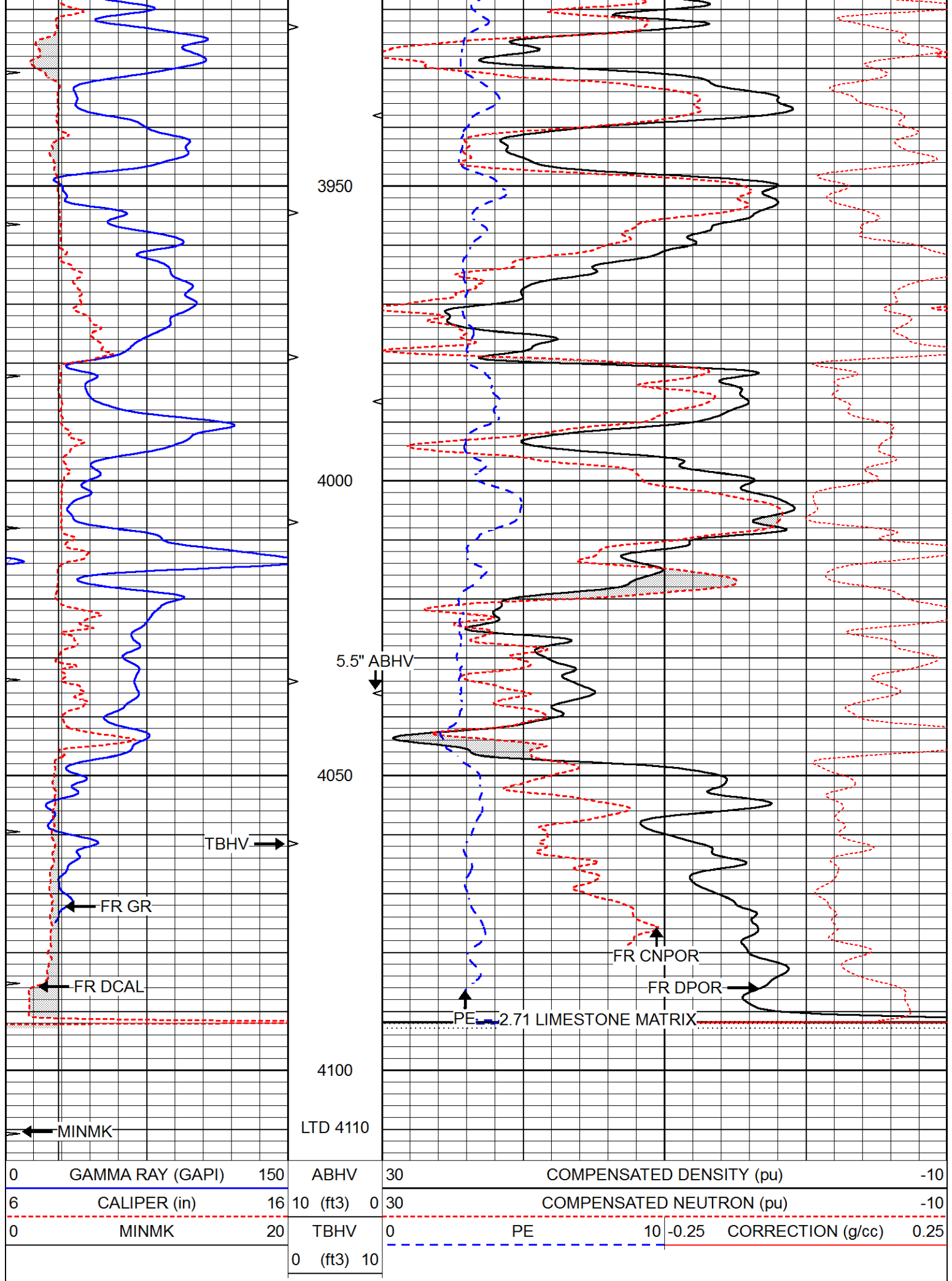
3750

3800

3850

3900



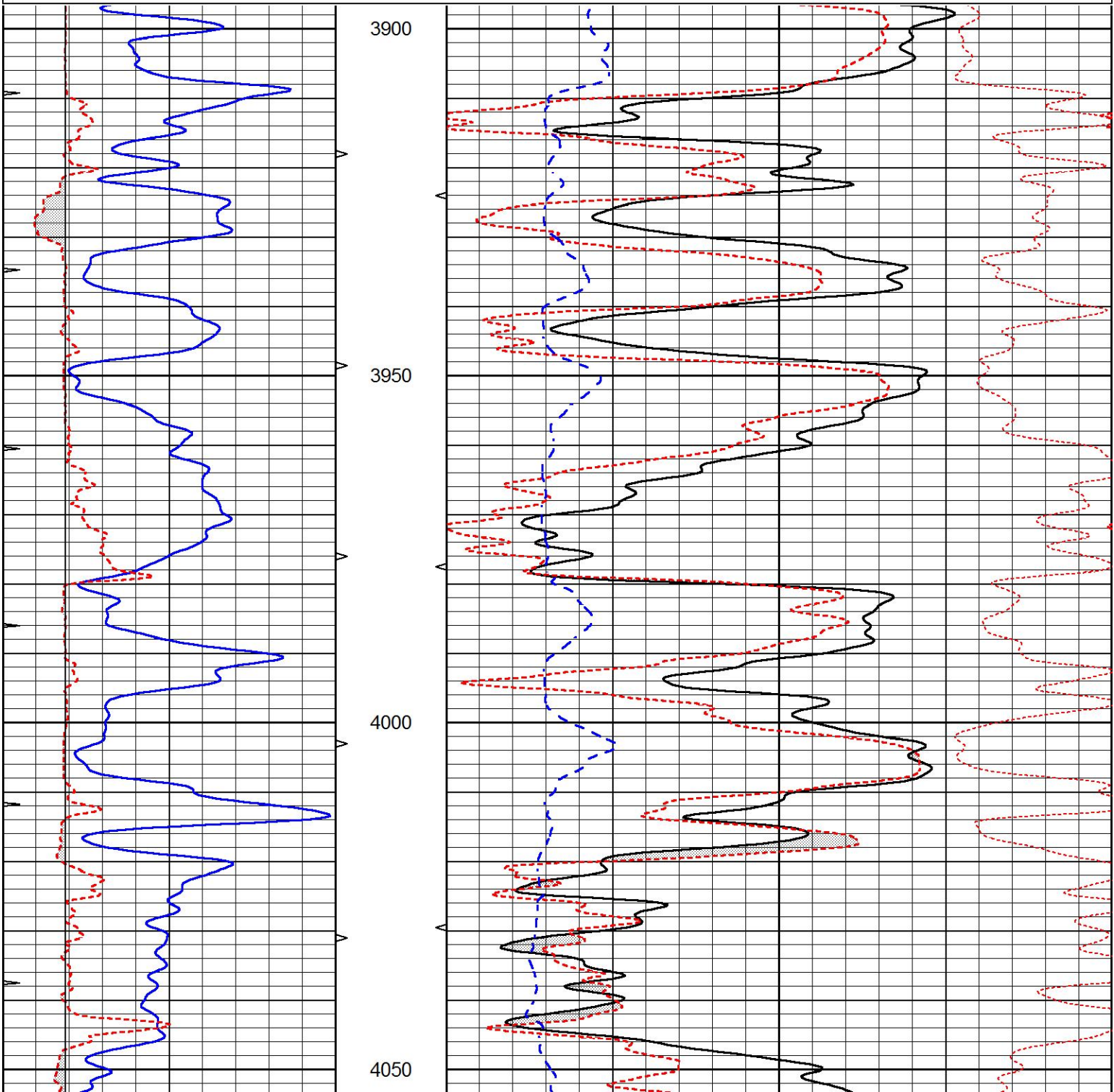


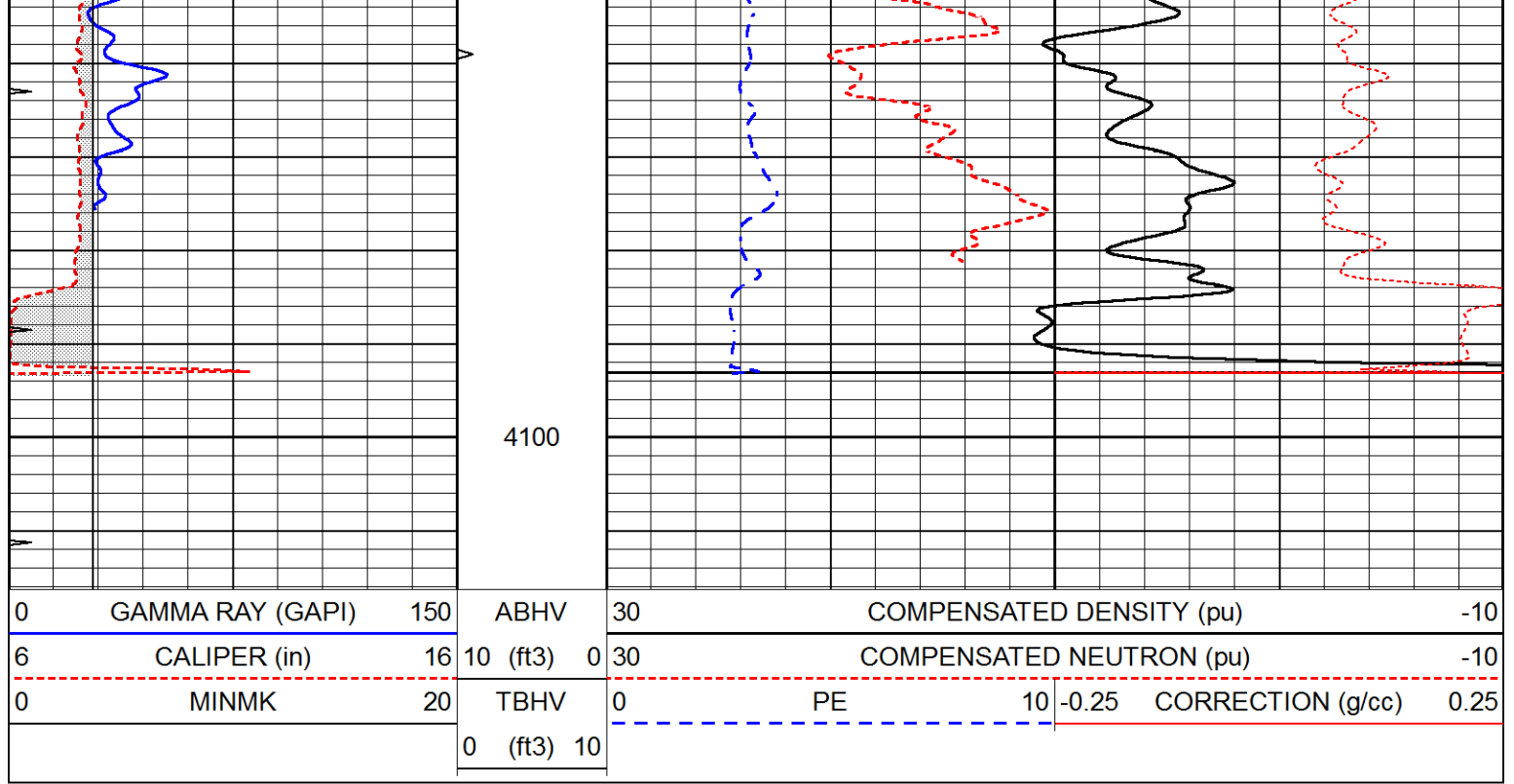


REPEAT SECTION

Database File 6559pe.db
Dataset Pathname pass2.4R
Presentation Format _ldt_neu
Dataset Creation Sun May 29 05:37:53 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	PE	10 -0.25 CORRECTION (g/cc) 0.25
			0 (ft3) 10			





Calibration Report									
Database File	6559pe.db								
Dataset Pathname	pass3.1M								
Dataset Creation	Sun May 29 05:33:16 2022								
Dual Induction Calibration Report									
Serial-Model:					PROBE8-DILG				
Surface Cal Performed:					Thu May 26 22:03:32 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		
	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: 004 Model: PRB

Master Calibration			Performed Mon May 23 11:44:16 2022					
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1148.7		7216.0		2498.2		2291.5	cps
Window 2	1052.1		6193.6		2181.7		2034.2	cps
Window 3	896.0		3827.3		1530.0		1472.6	cps
Window 4	252.1		258.7		255.1		254.3	cps
Long Space	0.0		5141.5		1129.6		982.1	cps
Short Space	3.4		1390.2		903.9		792.3	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 44.1		Rib Slope	: 0.970		Density/Spine Ratio		: 0.559
Spine Angle	: 74.1		Spine Slope	: 3.520		Spine Intercept		: -16.9

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 Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	
3)	Short Space Long Space	cps cps	pu	
POST-SURVEY VERIFICATION				
	Detector	Readings	Measured	Target
1)	Short Space Long Space	cps cps	pu	pu
2)	Short Space Long Space	cps cps	pu	pu
3)	Short Space Long Space	cps cps	pu	pu
Gamma Ray Calibration Report				
Serial Number:		GR6		
Tool Model:		OPEN		
Performed:		Wed May 25 15:13:08 2022		
Calibrator Value:		150.0	GAPI	
Background Reading:		0.0	cps	
Calibrator Reading:		276.0	cps	
Sensitivity:		0.8000	GAPI/cps	