

DUAL INDUCTION LOG

Company	MERIDIAN ENERGY INC.	Company	MERIDIAN ENERGY, INC.
Well	MARCOTTE VAN DYKE UNIT #1	Well	MARCOTTE VAN DYKE UNIT #1
Field	WILDCAT	Field	WILDCAT
County	ROOKS	County	ROOKS
State	KANSAS	State	KANSAS
Location:	API # : 15-163-24430-0000	Other Services CDL/CNL	
Permanent Datum	GROUND LEVEL	Elevation	2164
Log Measured From	KELLY BUSHING	Elevation	2170
Drilling Measured From	KELLY BUSHING	Elevation	2164
SEC 29 TWP 9S RGE 18W			
2390' FNL & 450' FEL			
SW - SE - SE - NE			
SEC 29 TWP 9S RGE 18W			
7/18/21			
Run Number	ONE		
Depth Driller	3605		
Depth Logger	3606		
Bottom Logged Interval	3604		
Top Log Interval	00		
Casing Driller	8 5/8"@222'		
Casing Logger	222		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	1,900 PPM
Density / Viscosity	8.8/49		
pH / Fluid Loss	11.0/6.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.10@80F		
Rmf @ Meas. Temp	.825@80F		
Rmc @ Meas. Temp	1.32@80F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.786@112F		
Time Circulation Stopped	8 HOURS		
Time Logger on Bottom	3:15 P.M		
Maximum Recorded Temperature	112F		
Equipment Number	922339		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	MAXWELL LAFON		

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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.

15-163-24430-0000

Comments

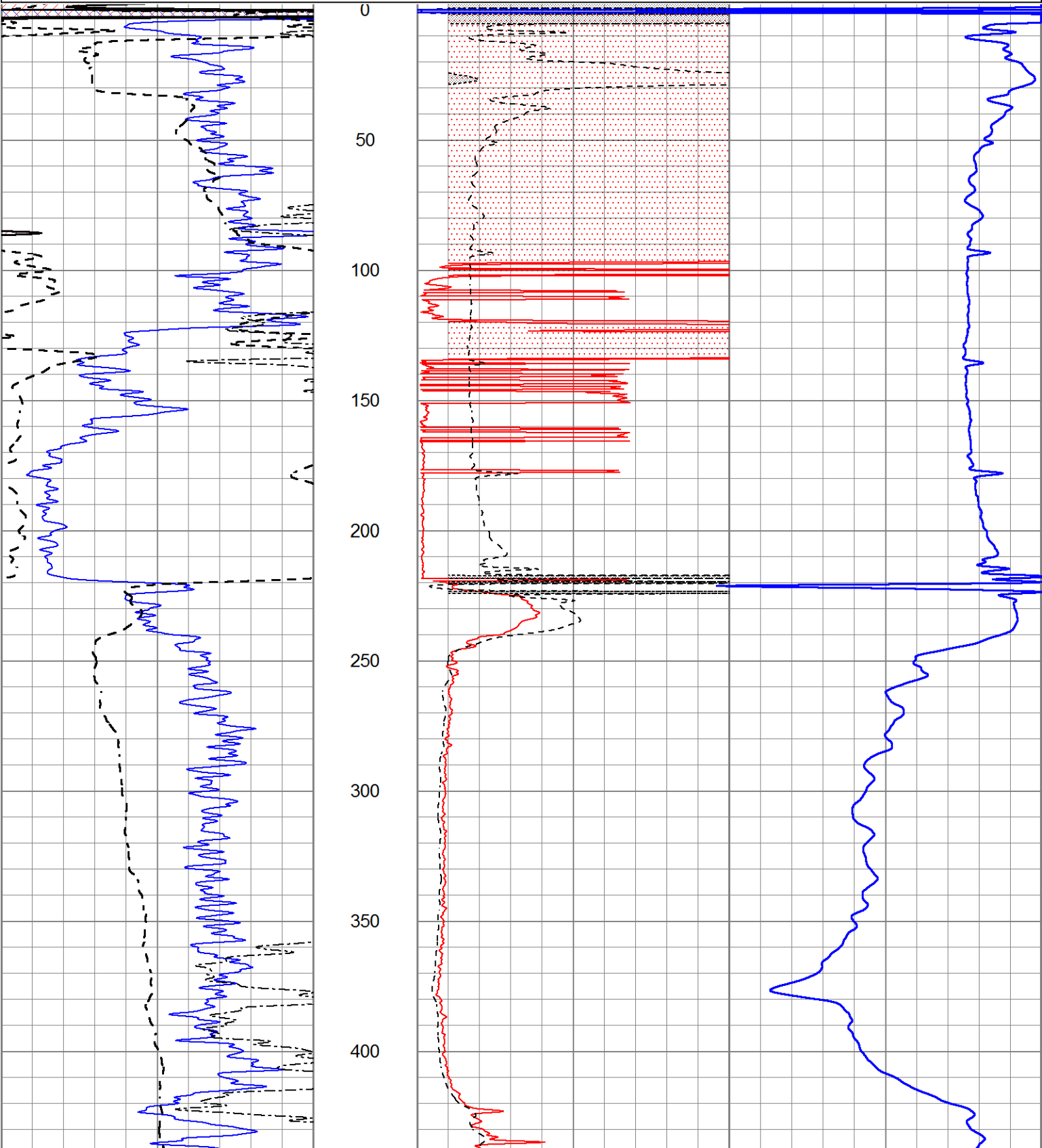
THANK YOU FOR USING ELI WIRELINE HAYS, KANSAS (785) 628-6395
DIRECTIONS
PLAINVILLE, KS.(4 WAY STOP) W. ON HWY 18 TO "RD. 15", 1/2N., W. INTO

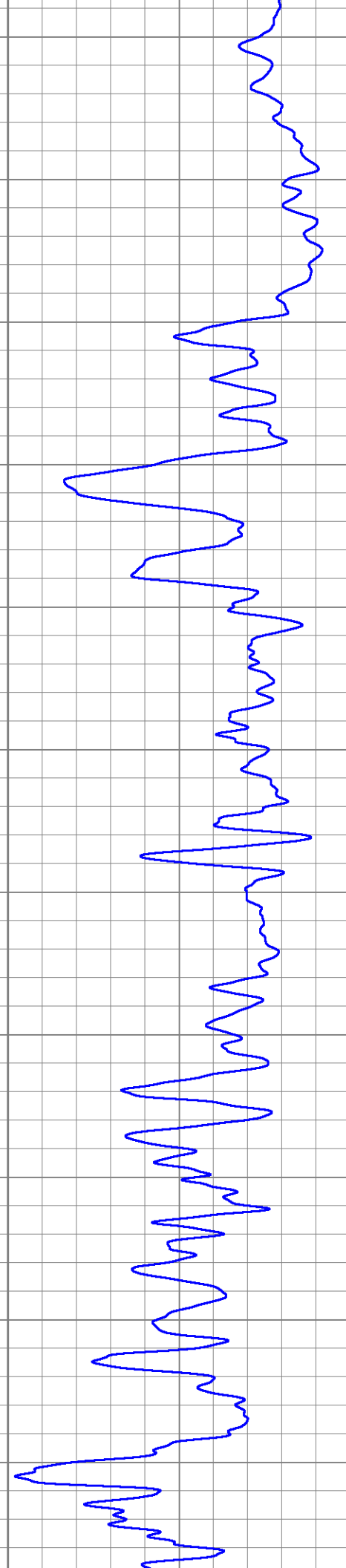
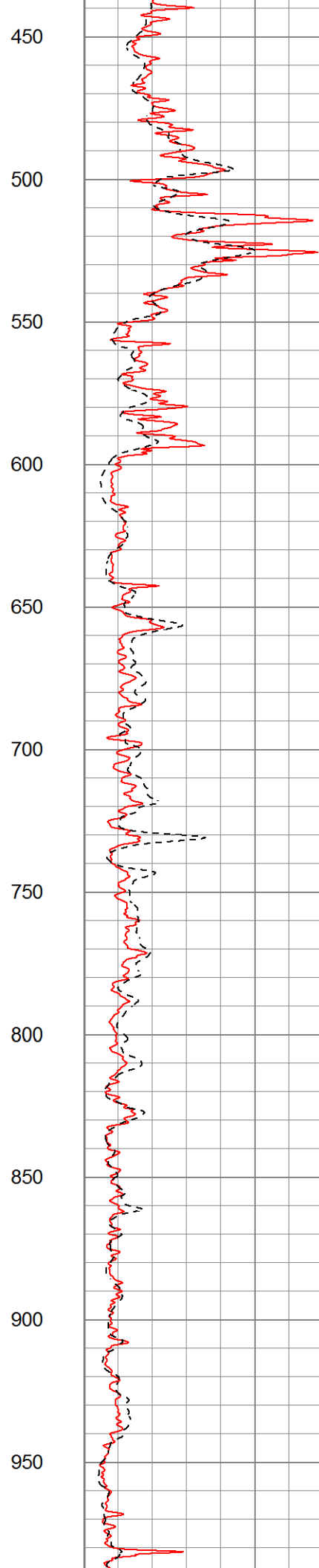
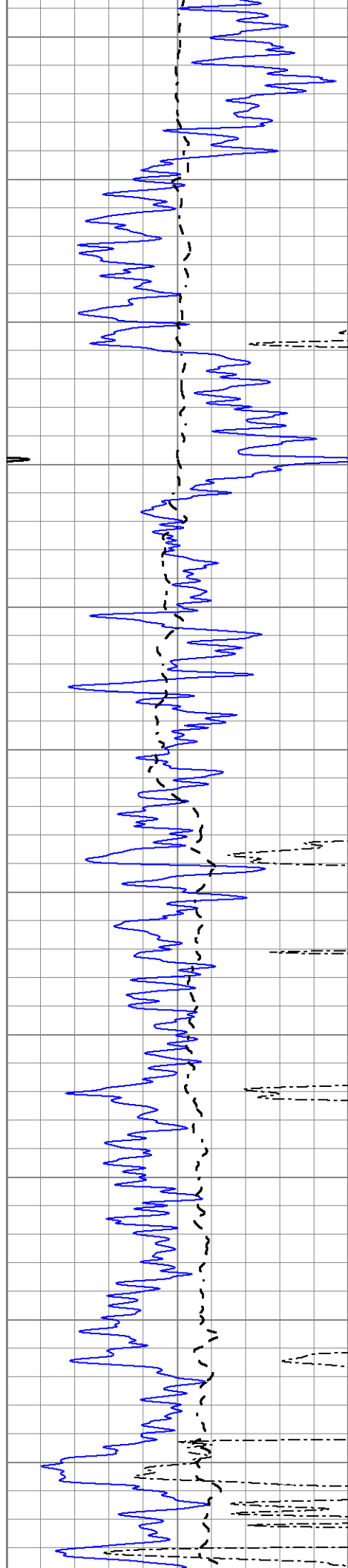


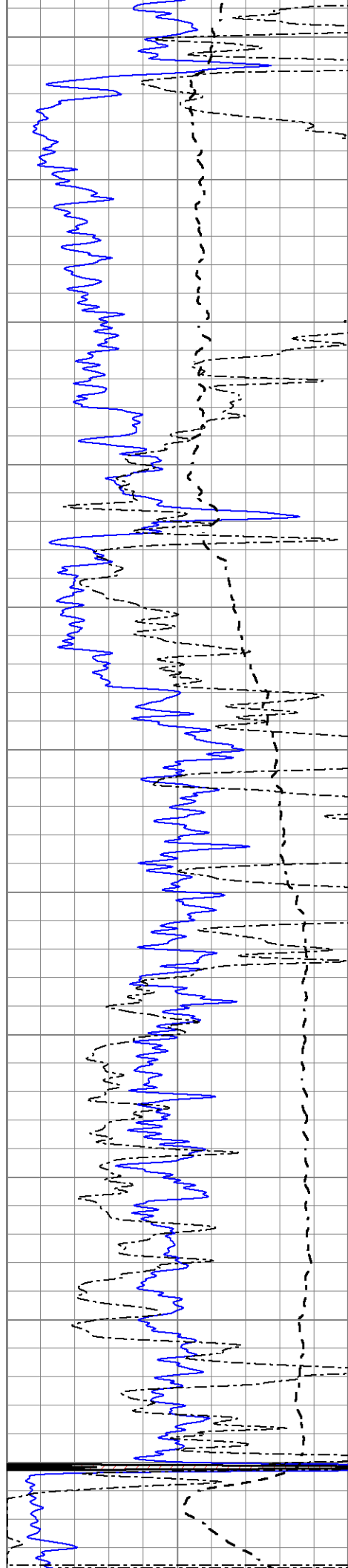
MAIN SECTION

Database File	5587pe.db
Dataset Pathname	pass3.3M
Presentation Format	dil2
Dataset Creation	Sun Jul 18 17:04:38 2021
Charted by	Depth in Feet scaled 1:600

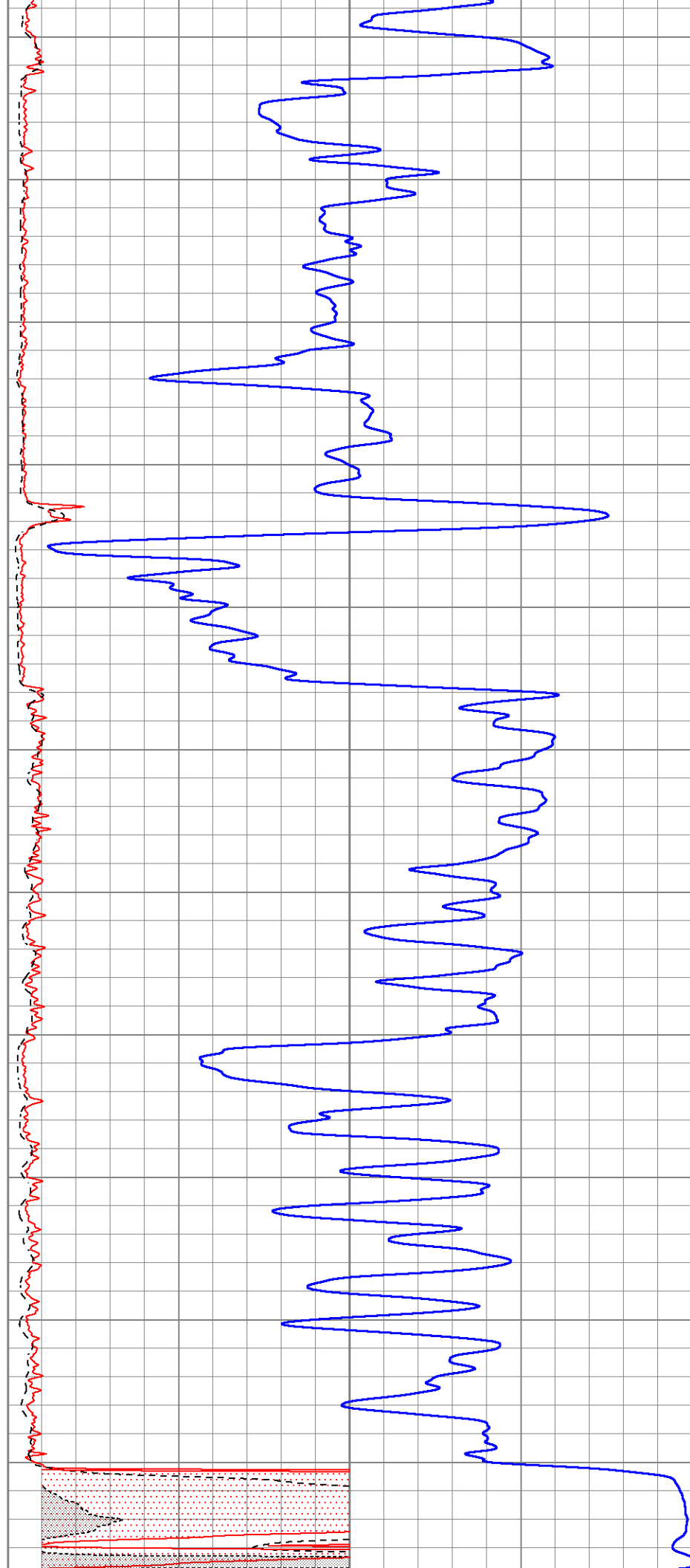
0	Gamma Ray (GAPI)	150	1000	CILD (mmho/m)	0
-100	SP (mV)	100	0	RLL3 (Ohm-m)	50
0	RWA (Ohm-m)	1	0	RILD (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500

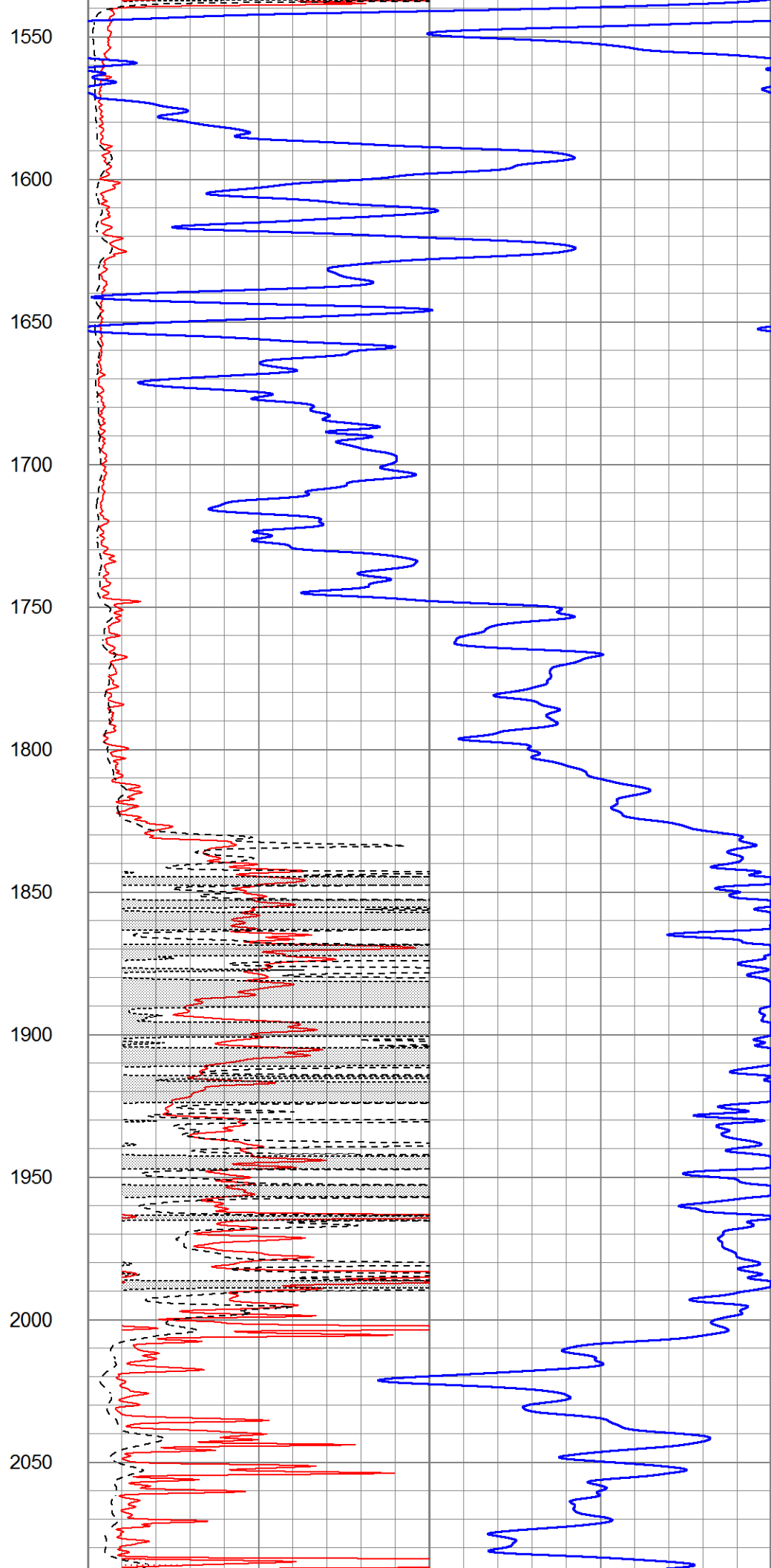
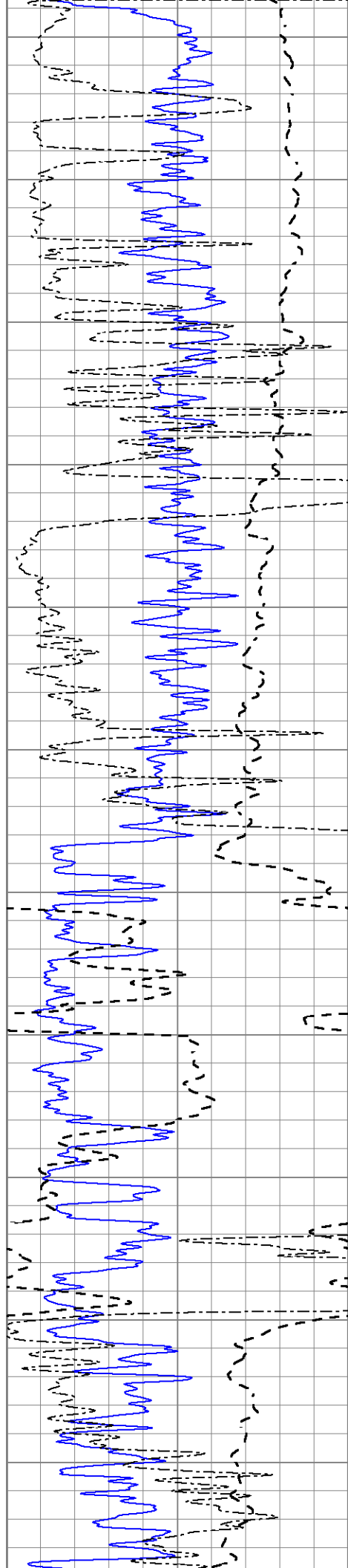


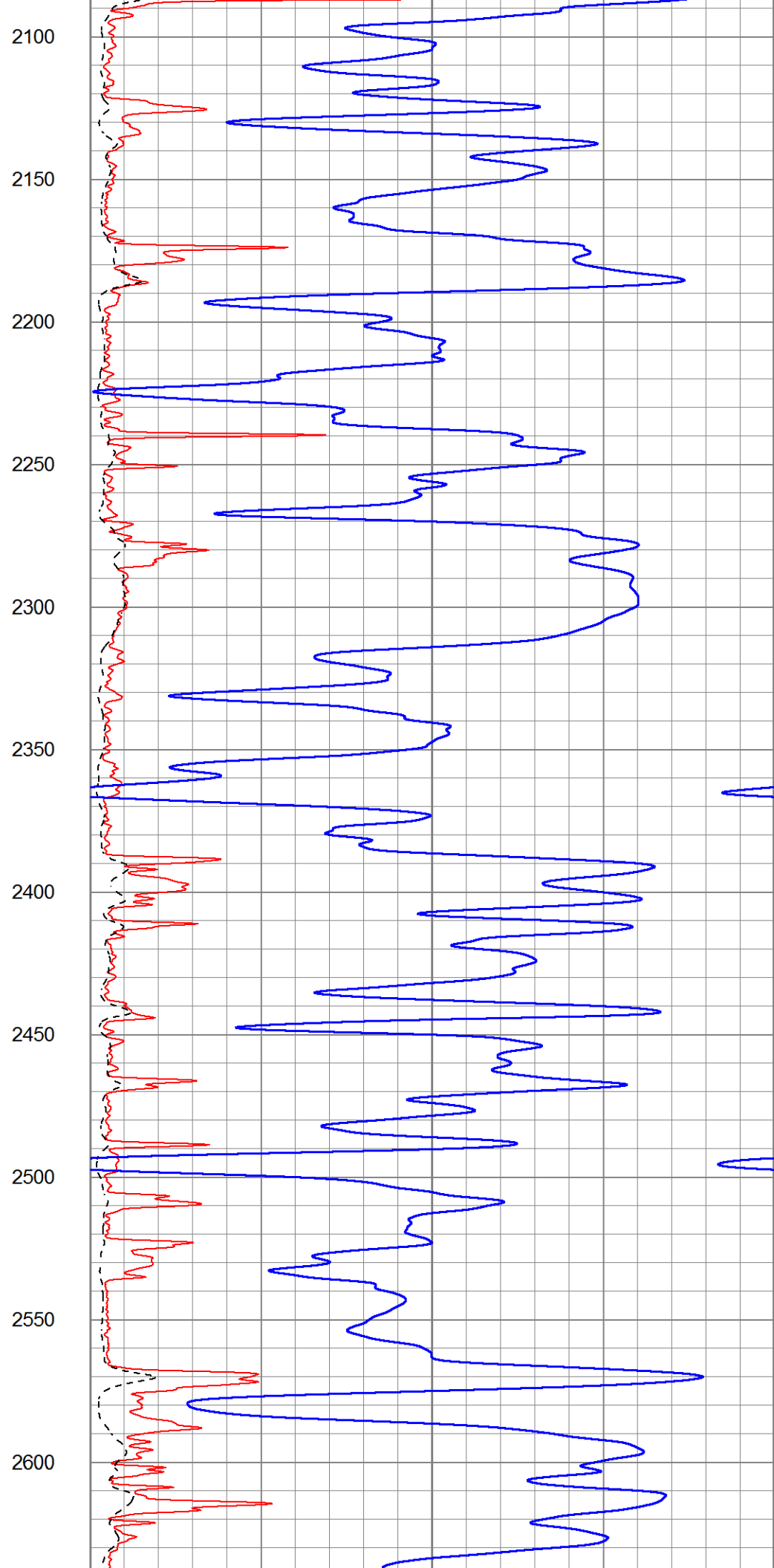
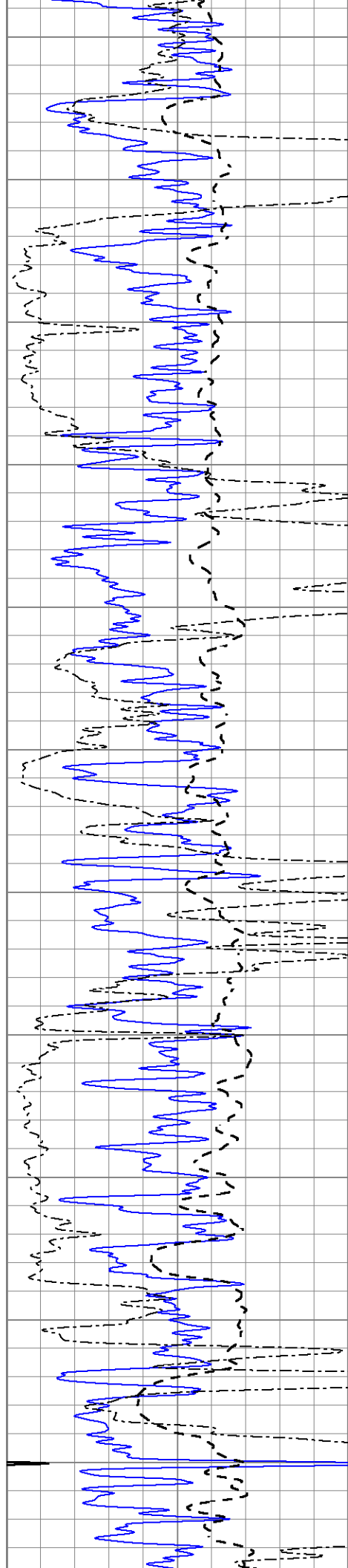


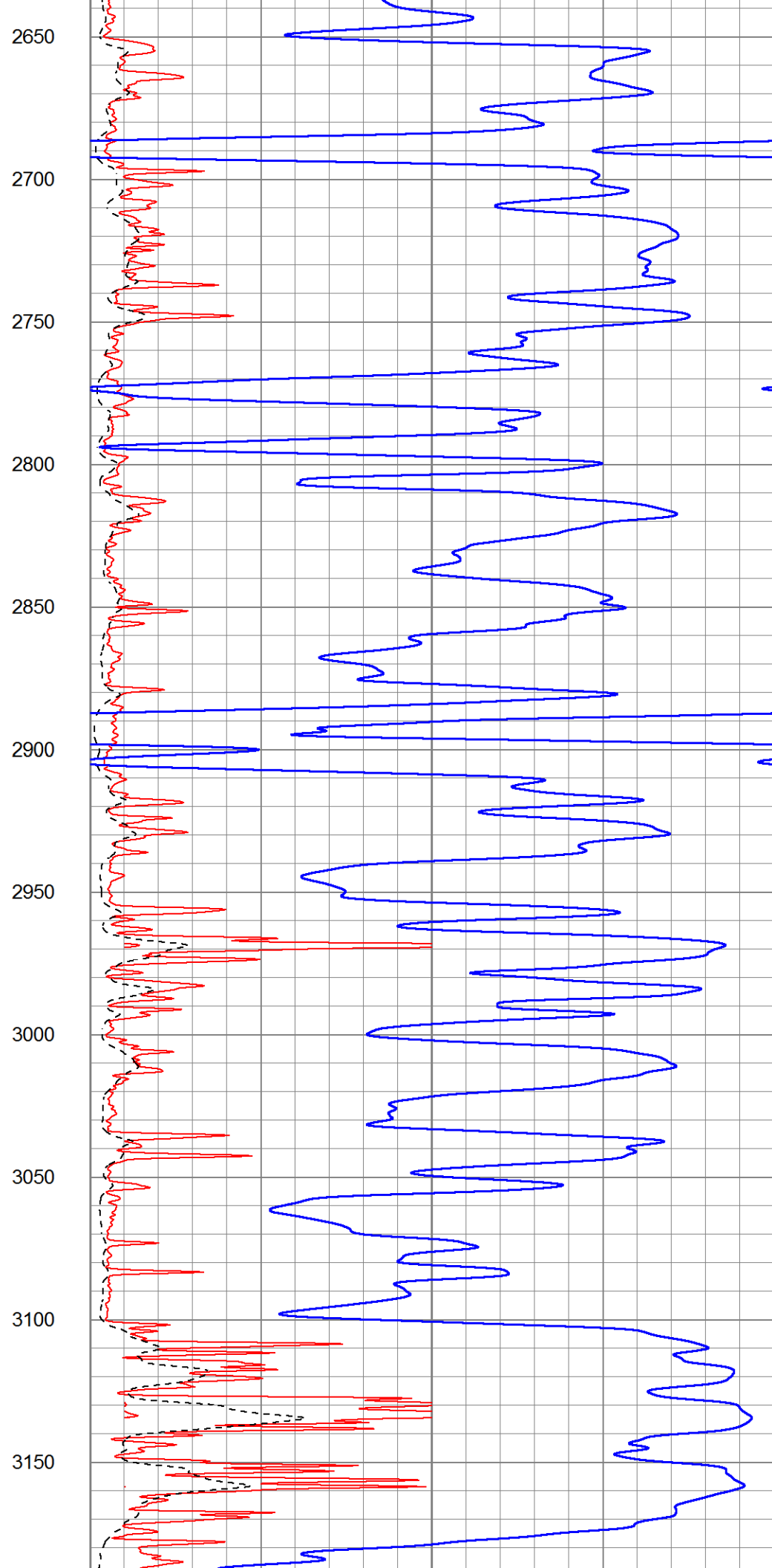
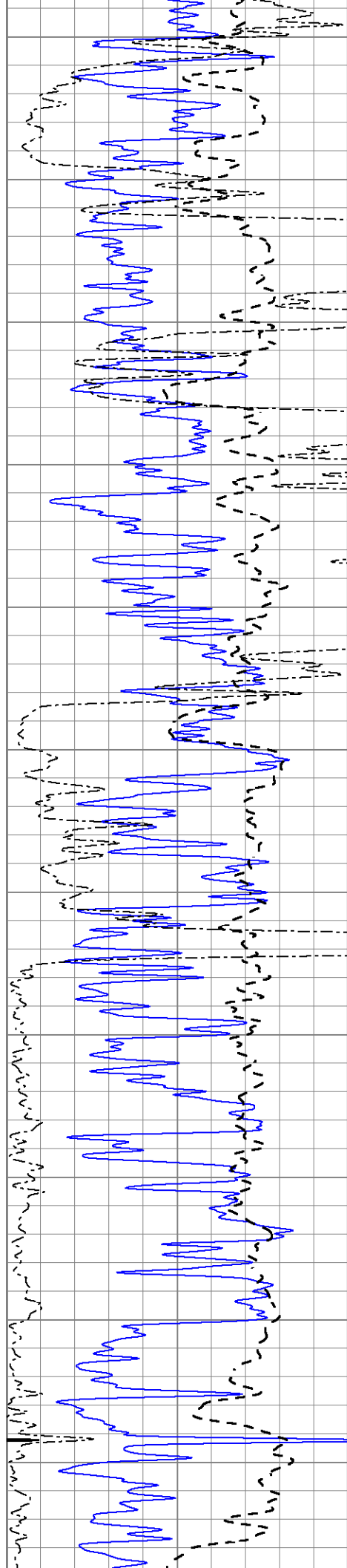


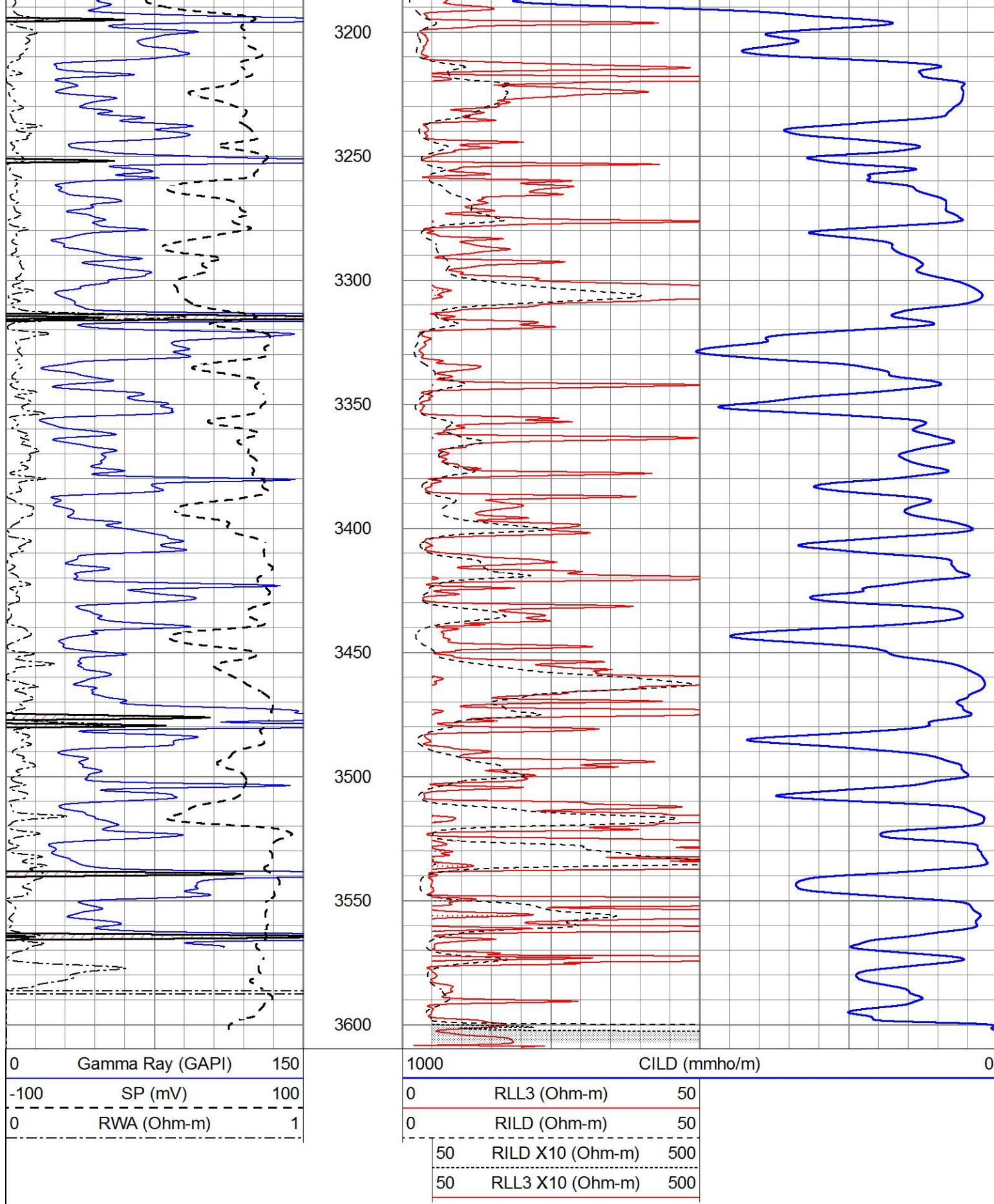
1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500









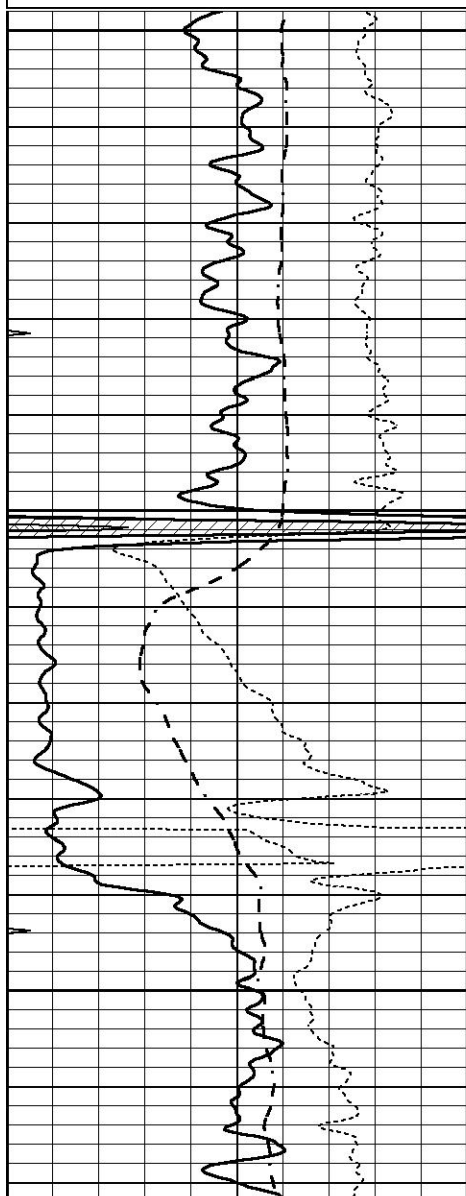


ANHYDRITE

Database File 5587pe.db
 Dataset Pathname pass3.1A
 Presentation Format _dil
 Dataset Creation Sun Jul 18 16:48:36 2021
 Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

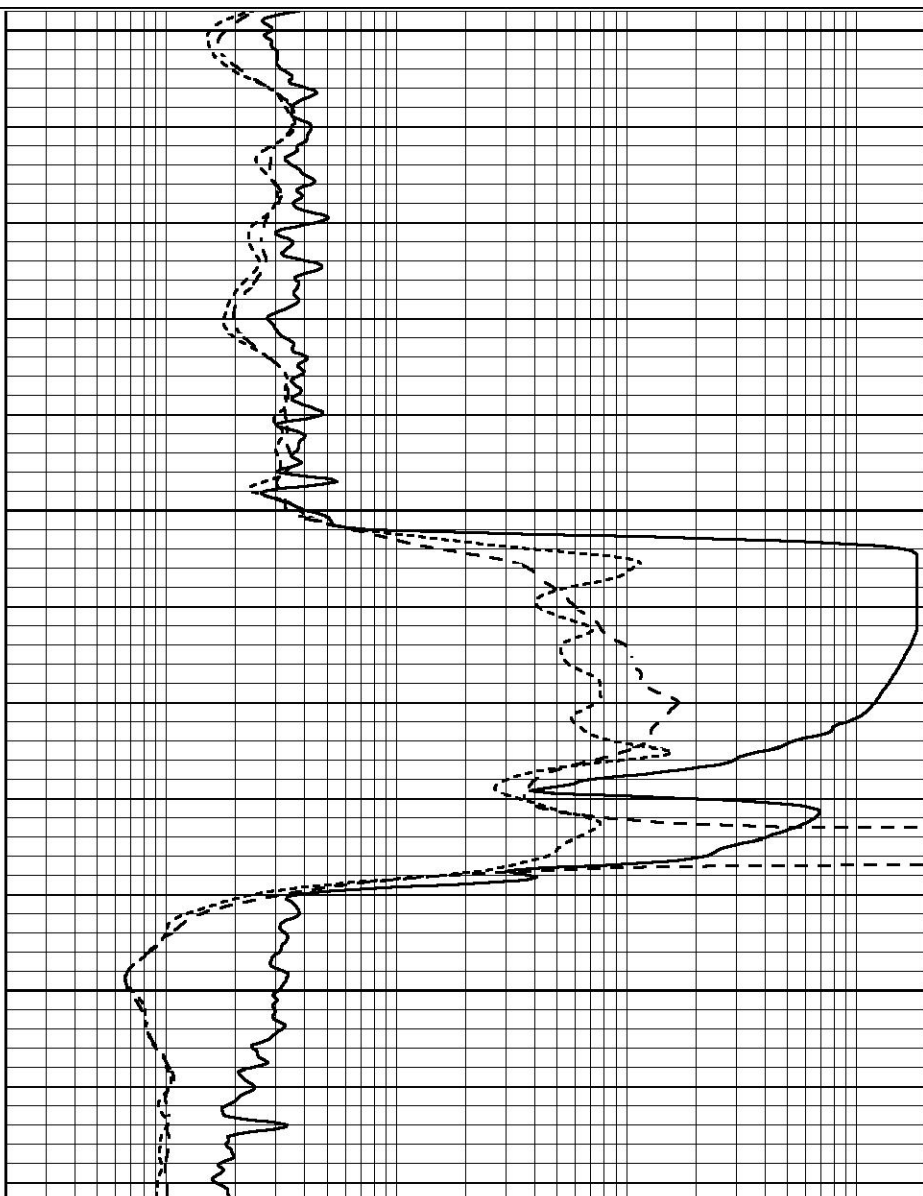
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



1450

1500

1550



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

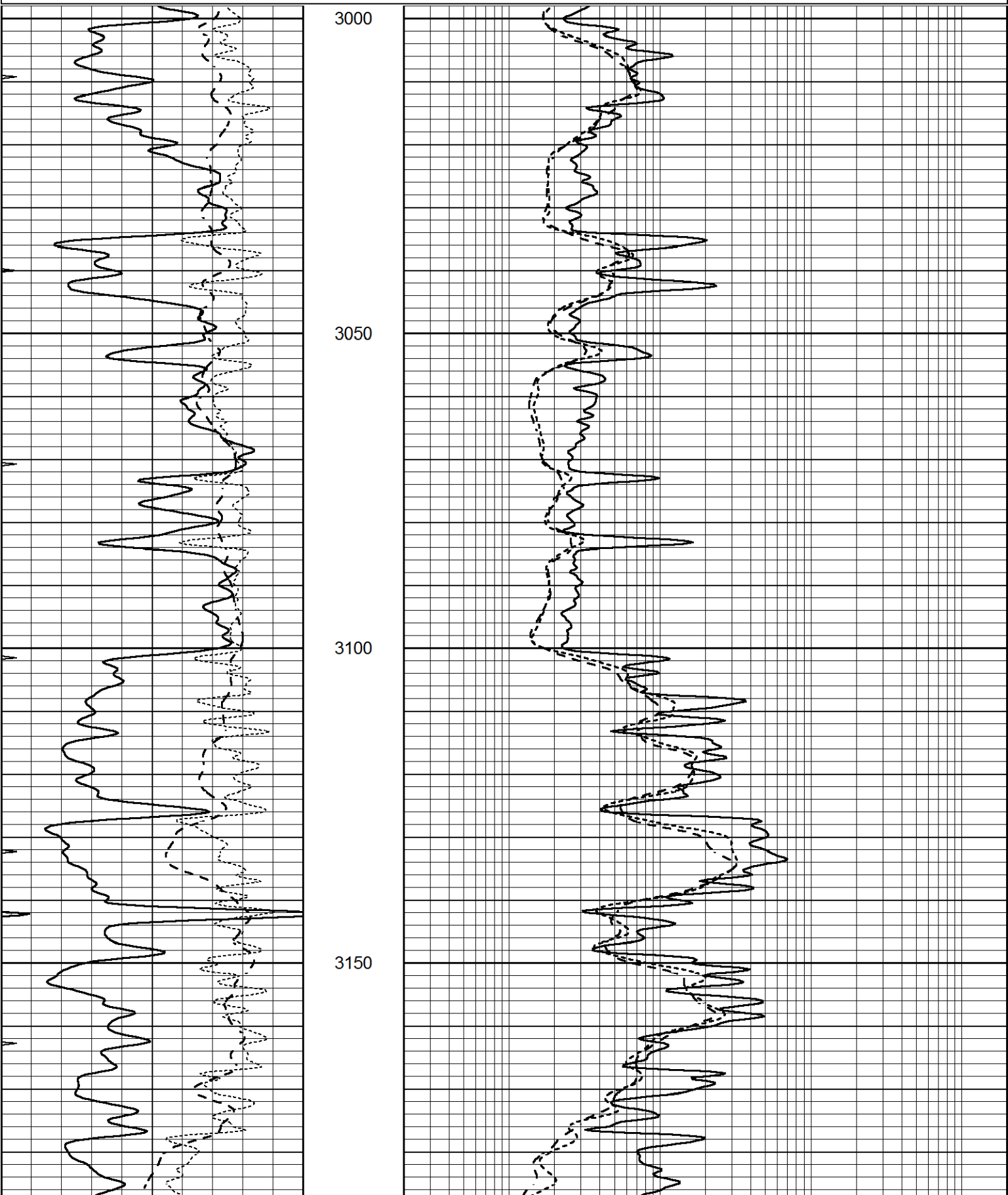
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

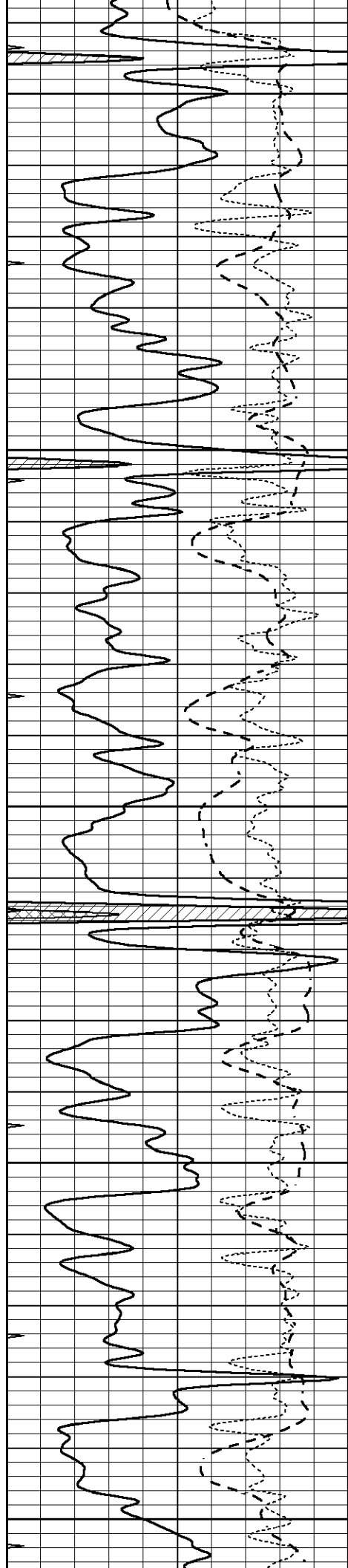


MAIN SECTION

Database File 5587pe.db
 Dataset Pathname pass3.3M
 Presentation Format _dil

0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





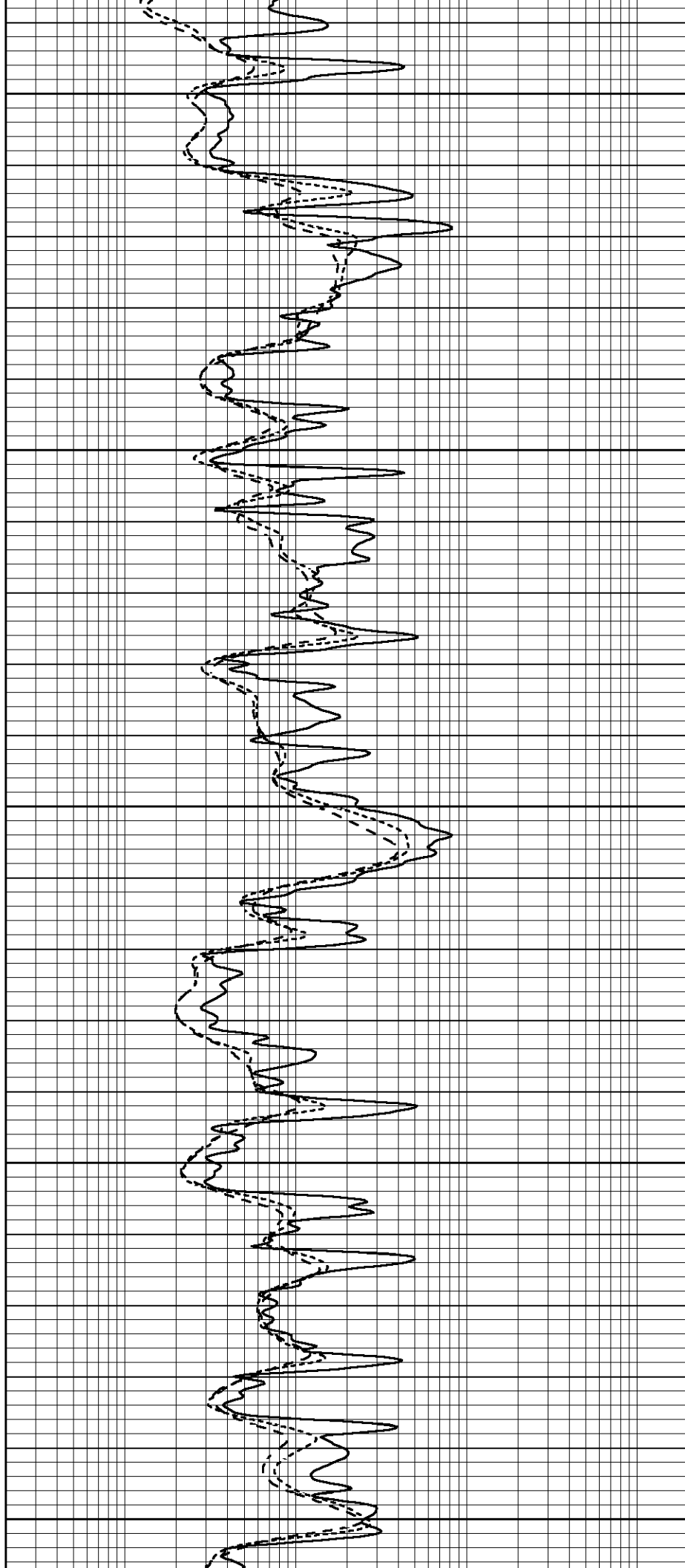
3200

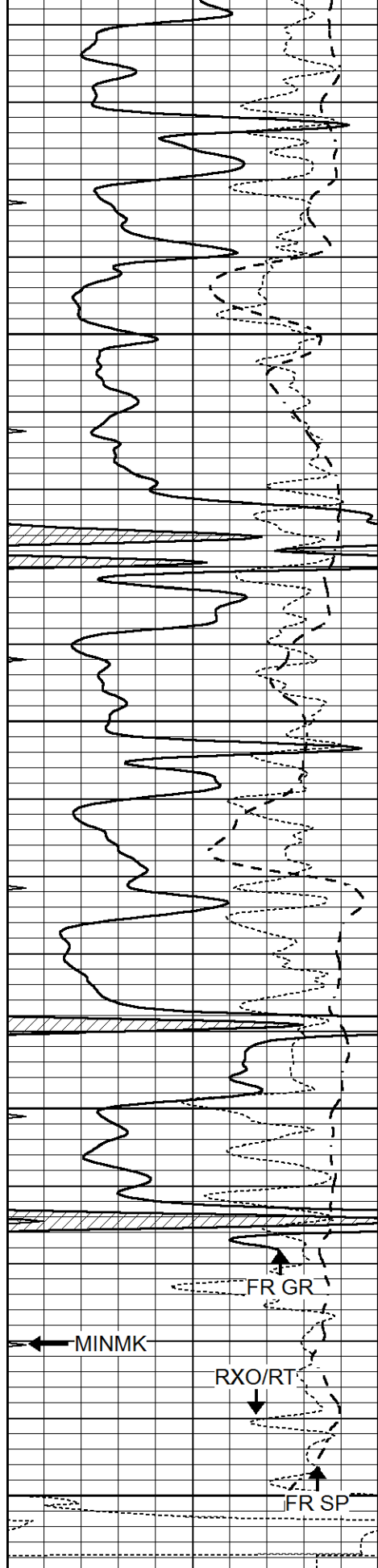
3250

3300

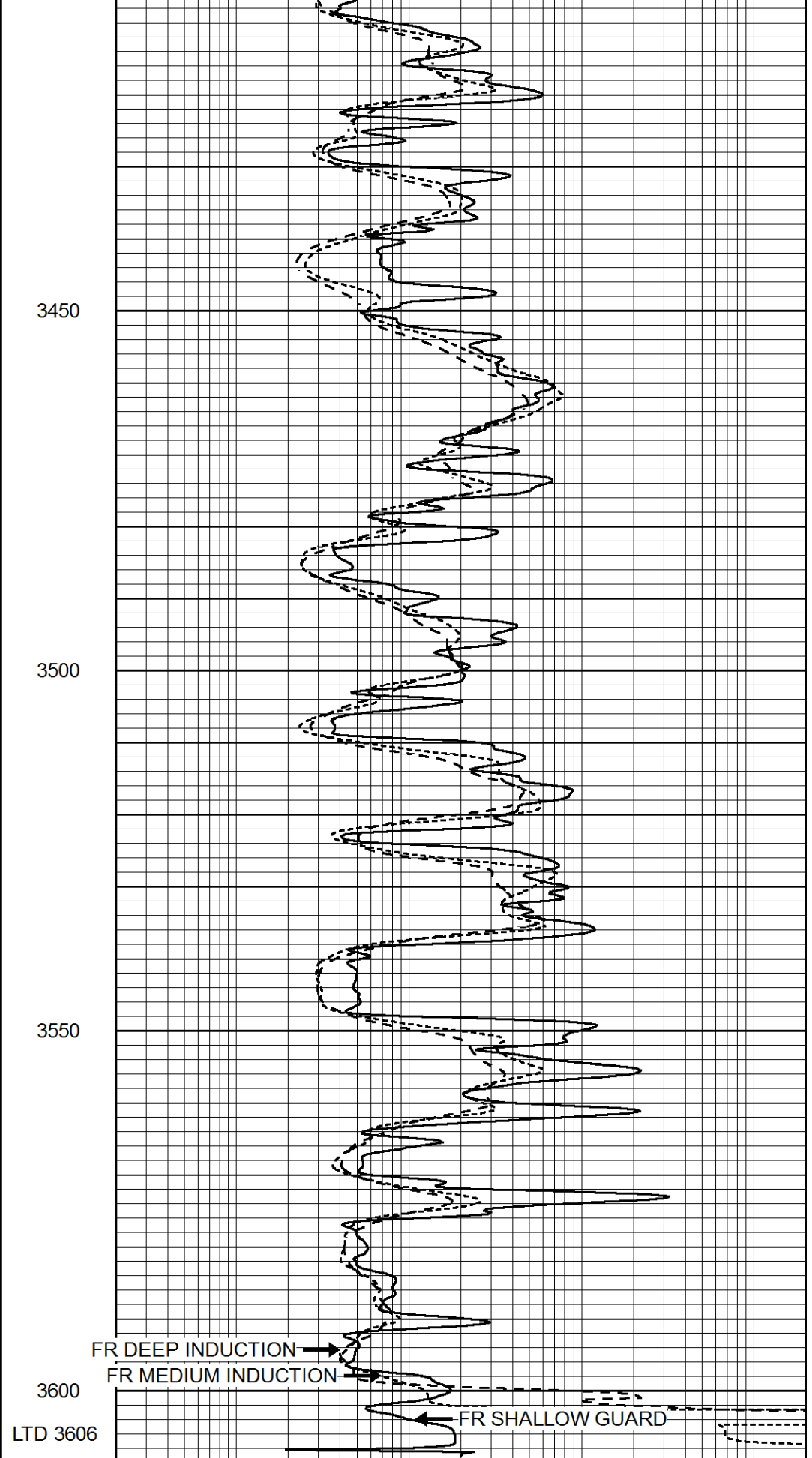
3350

3400





0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20



0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

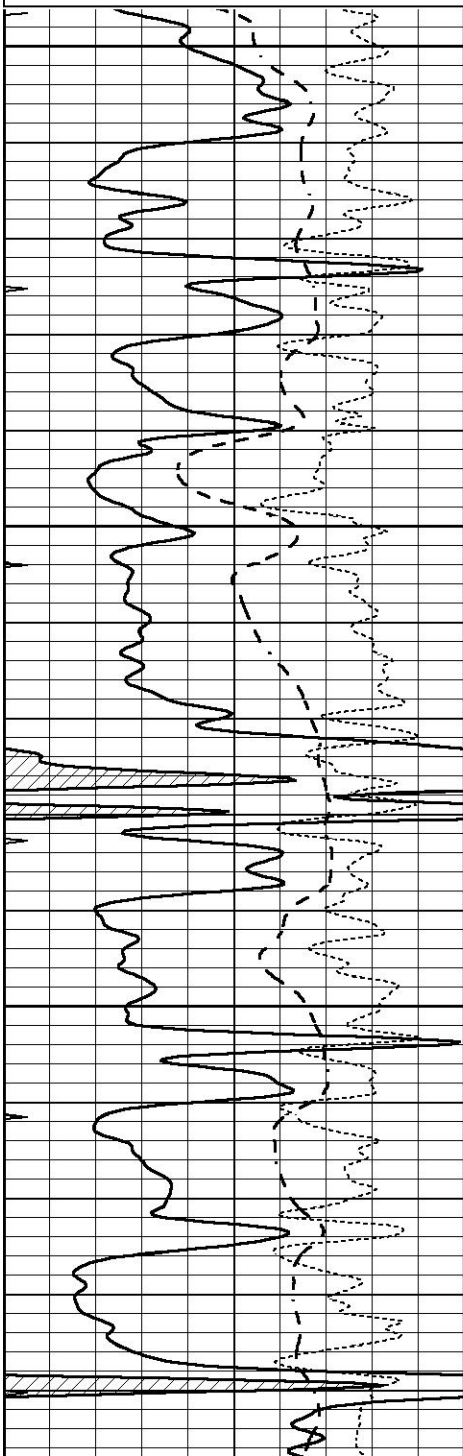


REPEAT SECTION

Database File 5587pe.db
Dataset Pathname pass2.4
Presentation Format _dil
Dataset Creation Sun Jul 18 16:19:05 2021
Charted by Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

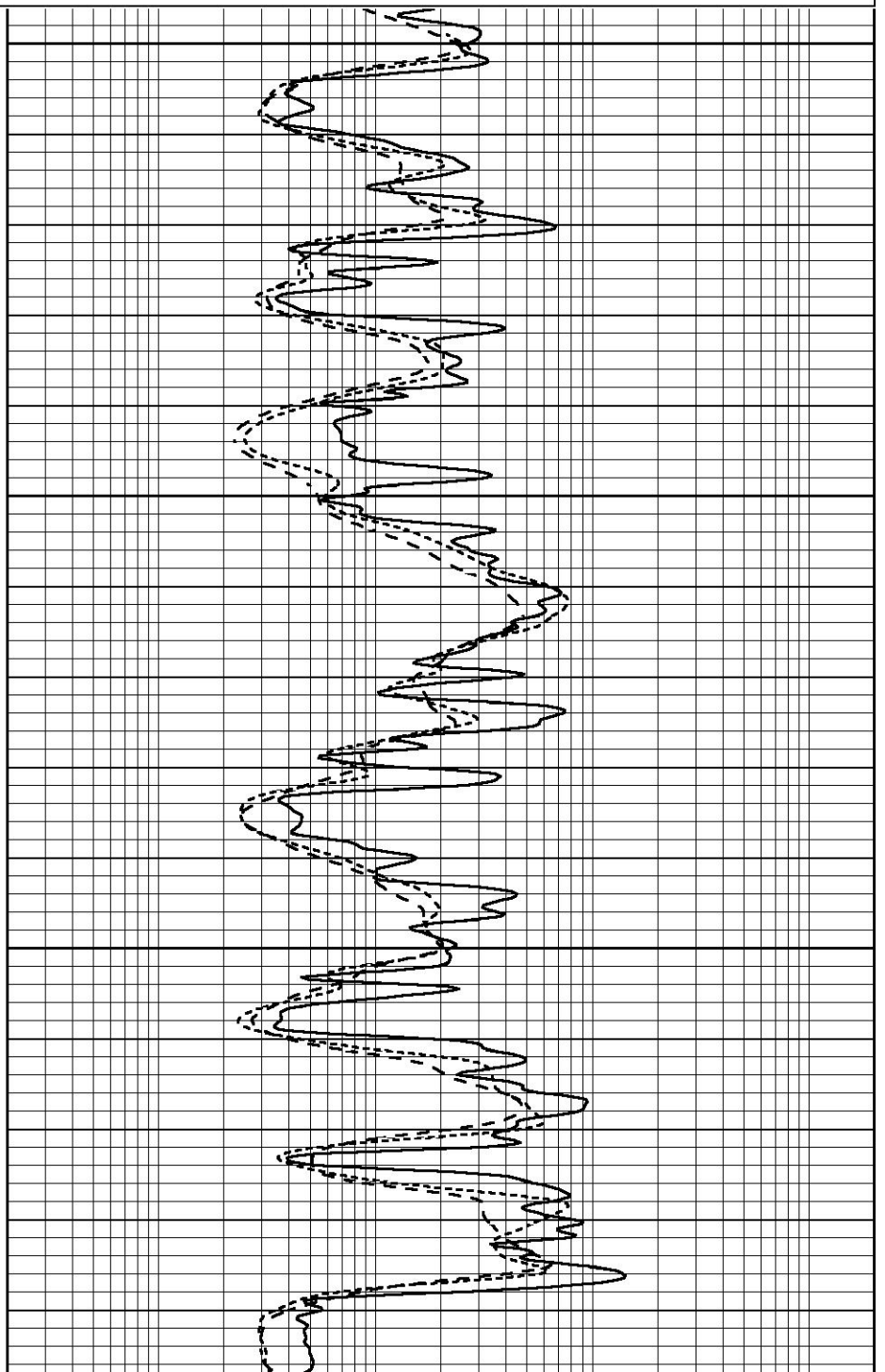
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

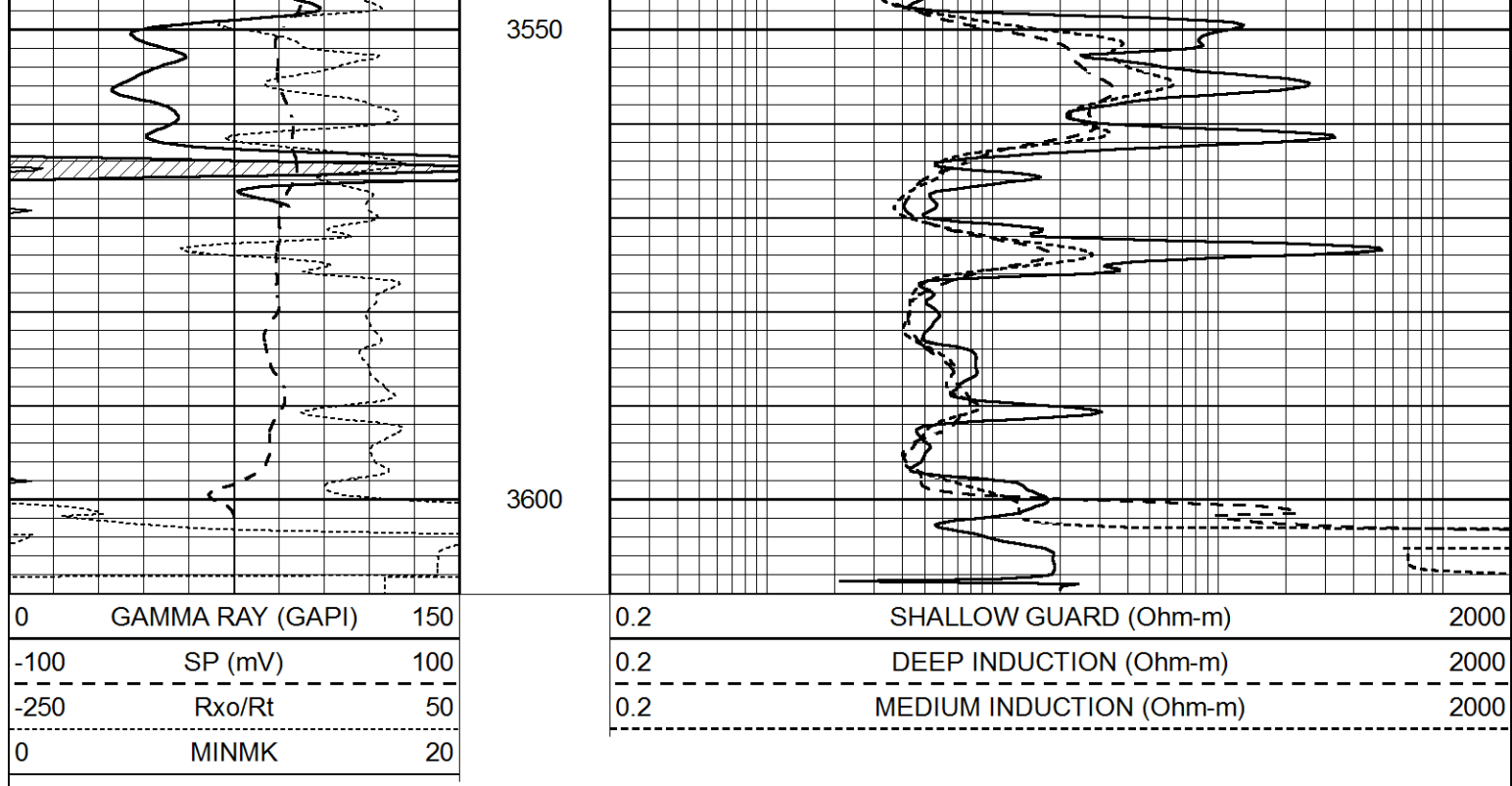


3400

3450

3500





Calibration Report									
Database File	5587pe.db								
Dataset Pathname	pass3.3M								
Dataset Creation	Sun Jul 18 17:04:38 2021								
Dual Induction Calibration Report									
Serial-Model:				PROBE7-DILG					
Surface Cal Performed:				Mon Jul 12 00:16:57 2021					
Downhole Cal Performed:				Thu Mar 12 11:45:10 2020					
After Survey Verification Performed:				Thu Mar 12 11:45:00 2020					
Surface Calibration									
		Readings			References			Results	
Loop:	Air	Loop		Air	Loop		m	b	
Deep	-0.014	0.629	V	0.000	400.000	mmho/m	630.000	-6.000	
Medium	0.039	0.728	V	0.000	464.000	mmho/m	685.000	-55.000	
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									
		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		
		0.000	mmho-m		4000.000	mmho-m		

Litho Density Calibration Report

Serial: 004 Model: PRB

Master Calibration			Performed Tue May 18 11:02:48 2021					
	Background		Magnesium		Aluminum		Aluminum+Fe	
Window 1	1187.1		10004.0		3142.5		2810.8	cps
Window 2	1084.9		8556.6		2749.3		2502.4	cps
Window 3	923.1		5129.8		1819.8		1719.3	cps
Window 4	263.5		263.6		259.7		262.8	cps
Long Space	0.0		7471.7		1664.4		1417.5	cps
Short Space	1.5		984.9		645.6		561.2	cps
Rho			1.7100		2.5900		0.0000	g/cc
Pe			2.0000		2.7500		5.7900	
Rib Angle	: 44.3		Rib Slope	: 0.976	Density/Spine Ratio		: 0.564	
Spine Angle	: 74.3		Spine Slope	: 3.555	Spine Intercept		: -15.6	

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:	070808PMC
Tool Model:	NABORS

PRE-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu

POST-SURVEY VERIFICATION			
Detector	Readings	Measured	Target
Short Space	cps		
Long Space	cps	pu	pu
Gamma Ray Calibration Report			
Serial Number:	070558		
Tool Model:	OPEN_GR		
Performed:	Fri Jul 09 13:16:04 2021		
Calibrator Value:	1.0	GAPI	
Background Reading:	0.0	cps	
Calibrator Reading:	1.0	cps	
Sensitivity:	0.3000	GAPI/cps	