



DUAL
INDUCTION
LOG

Company FOURWINDS OIL CORPORATION

Well H & S UNIT #1

Field RAY

County PHILLIPS State KANSAS

Location: API #: 15-147-20757-0000

150' FNL & 340 FEL

SEC 29 TWP 5S RGE 20W

Permanent Datum GROUND LEVEL Elevation 2228

Log Measured From KELLY BUSHING 8' A.G.L

Drilling Measured From KELLY BUSHING

Other Services
CDL/CNL
MEL
Elevation
K.B. 2236
D.F. 2234
G.L. 2228

Date	6/30/21		
Run Number	ONE		
Depth Driller	3680		
Depth Logger	3674		
Bottom Logged Interval	3672		
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 800 PPM	
Density / Viscosity	9.1/58		
pH / Fluid Loss	11.5/8.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	1.4 @ 80F		
Rmf @ Meas. Temp	1.05 @ 80F		
Rmc @ Meas. Temp	1.57 @ 802F		
Source of Rmf / Rmc	MEASUREMENT		
Rm @ BHT	.99 @ 113F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	////		
Maximum Recorded Temperature	113F		
Equipment Number	3802		
Location	HAYS, KANSAS		
Recorded By	JASON CAPPELLUCCI		
Witnessed By	CAMERON BRIN		

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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 SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
STOCKTON, KS. - 11 NORTH TO COZY COVE RD. - 16 WEST - SOUTH INTO

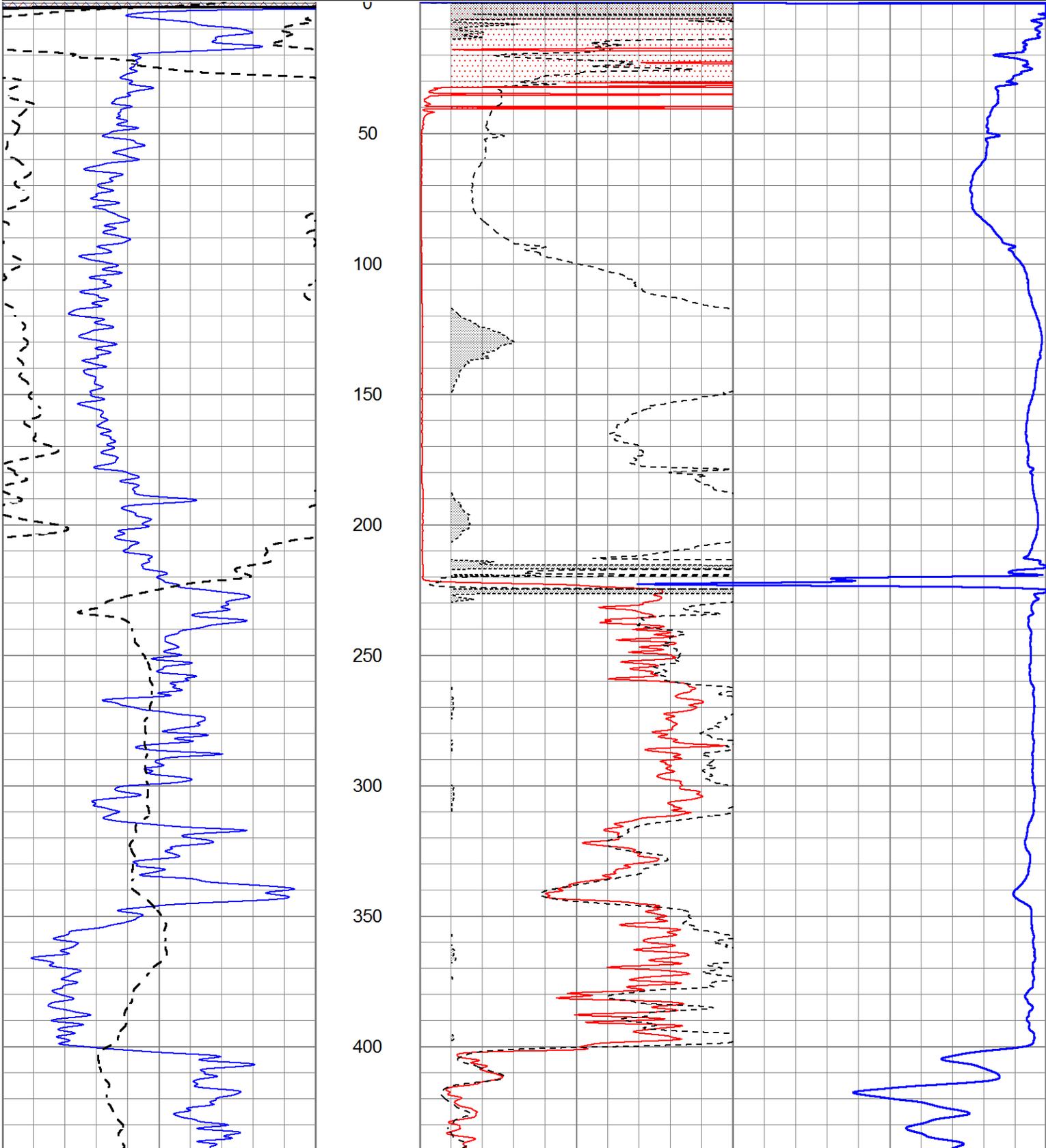


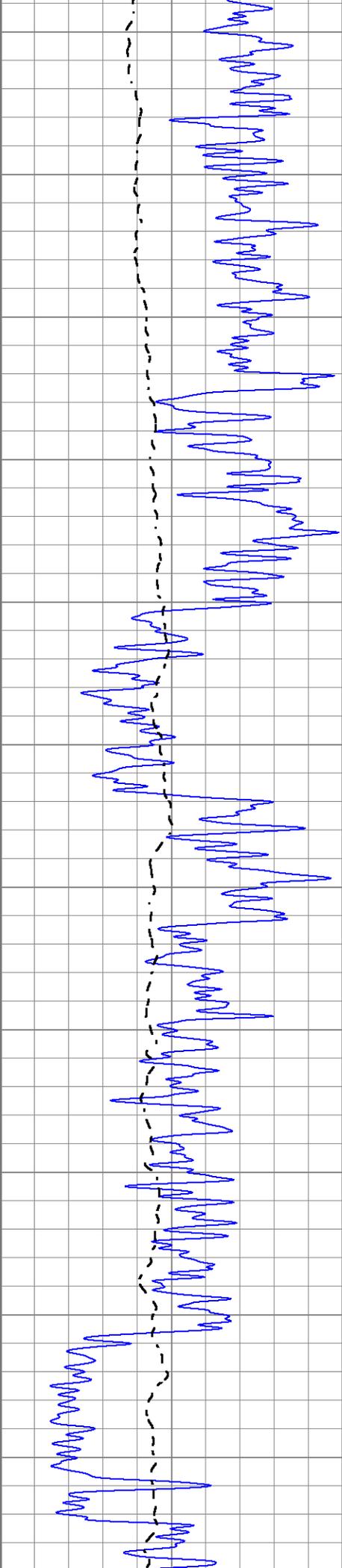
MAIN SECTION

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 Dataset Creation Wed Jun 30 07:45:45 2021
 Charted by Depth in Feet scaled 1:600

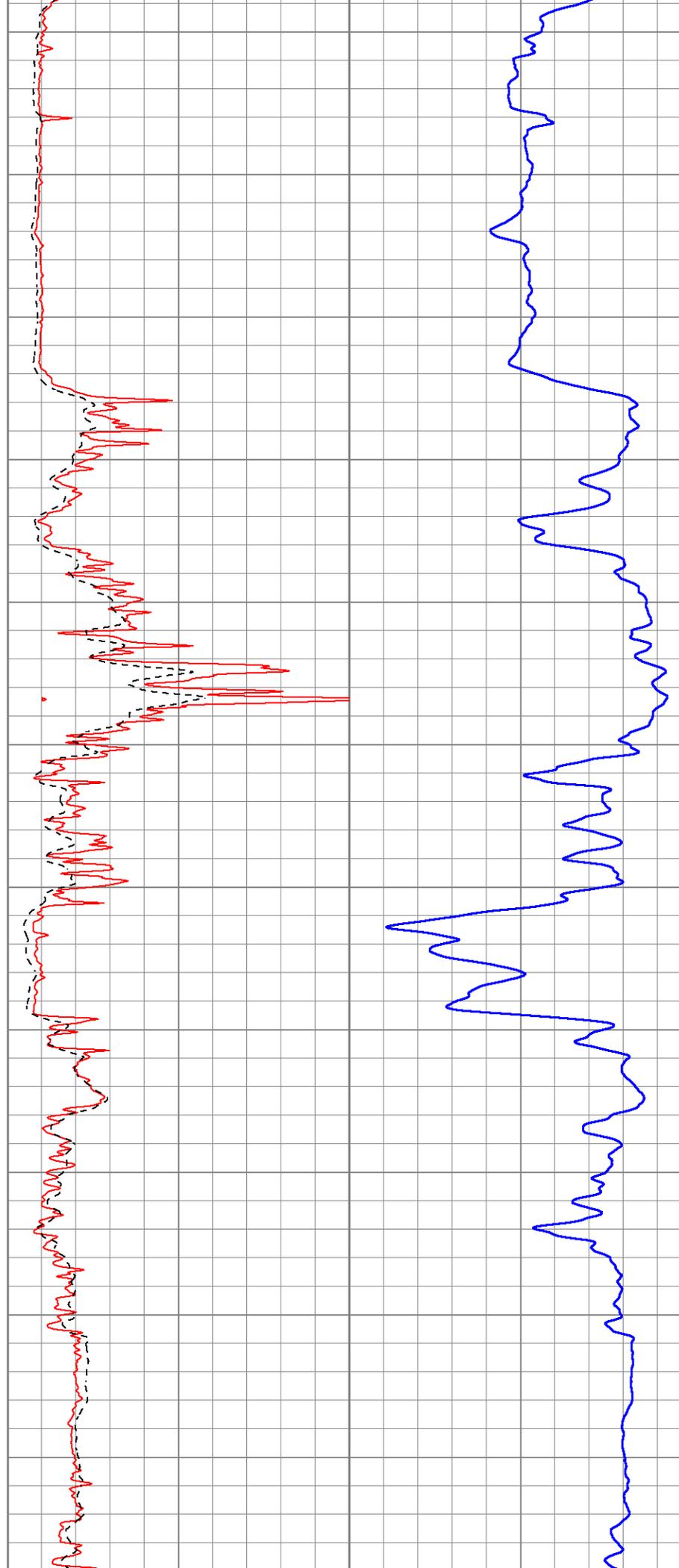
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 -100 SP (mV) 100

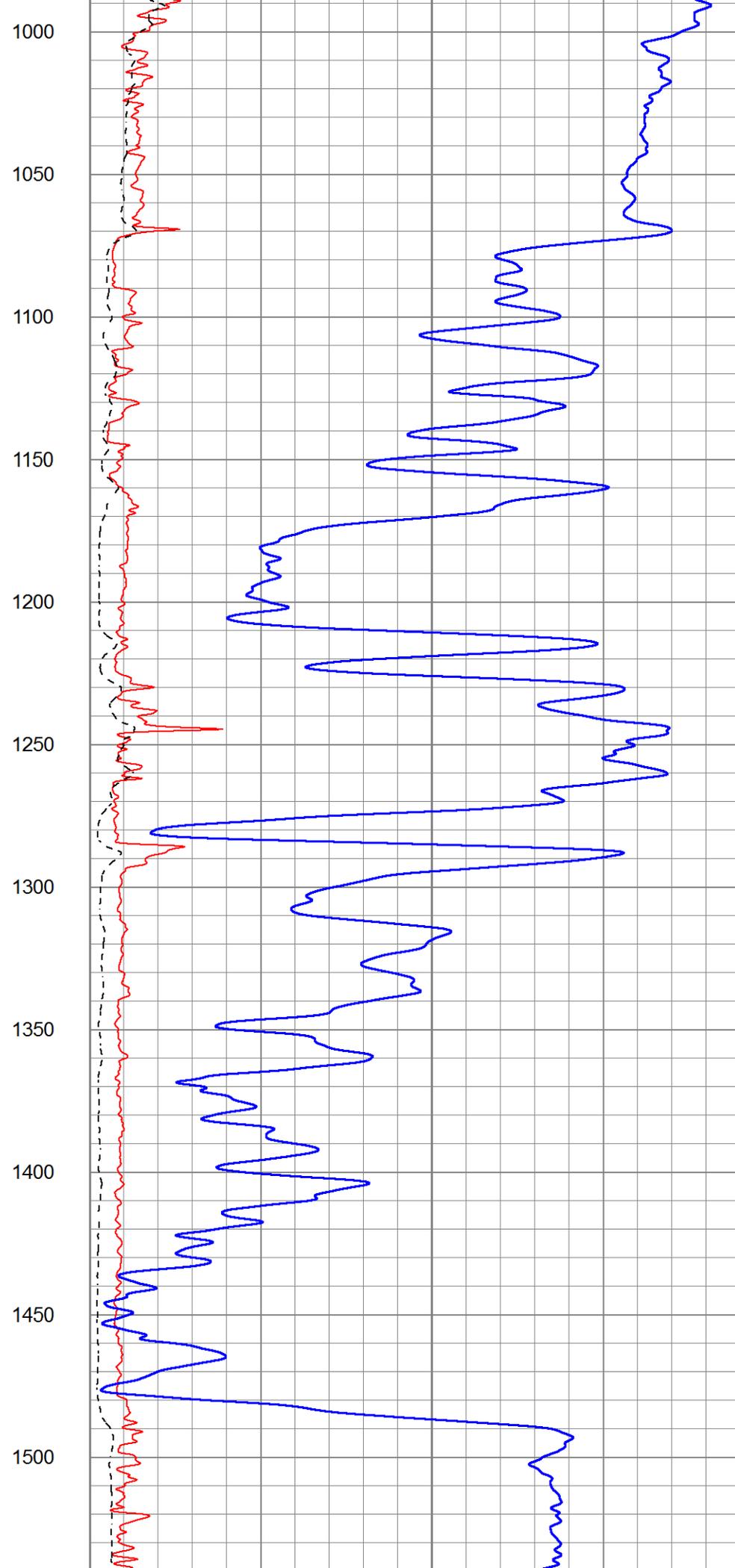
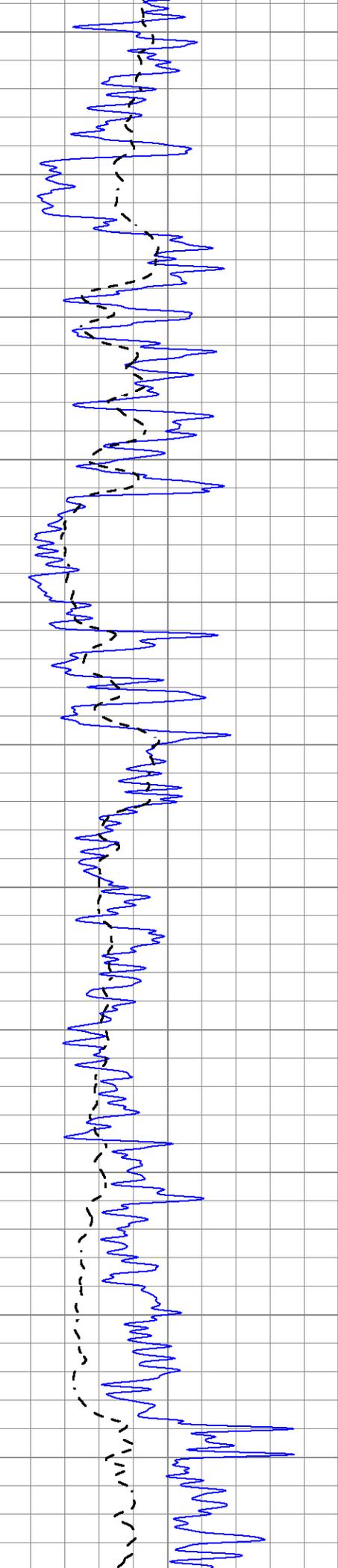
1000 CILD (mmho/m) 0
 0 RLL3 (Ohm-m) 50
 0 Deep Induction (Ohm-m) 50
 50 RILD X10 (Ohm-m) 500
 50 RLL3 X10 (Ohm-m) 500

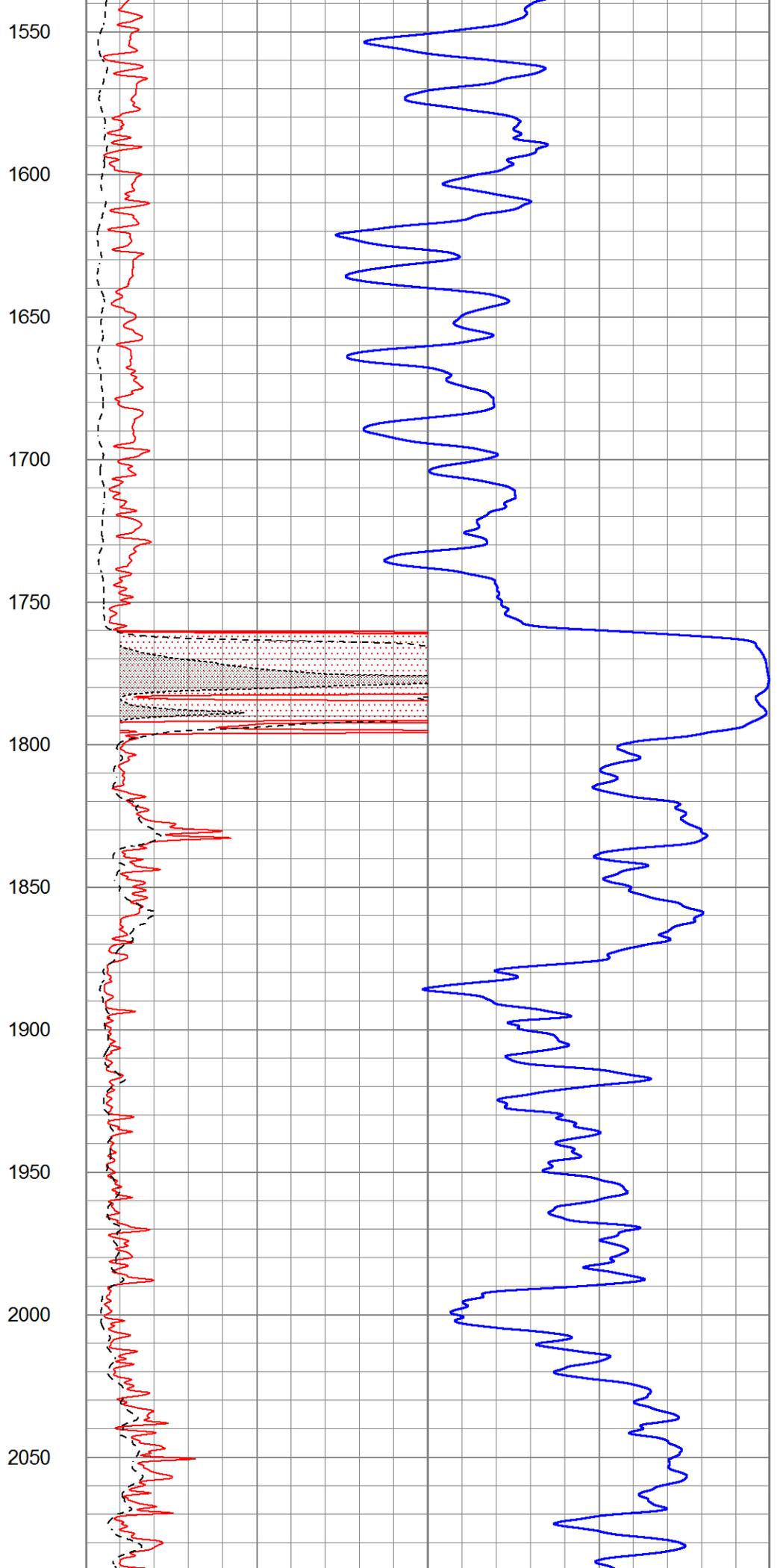
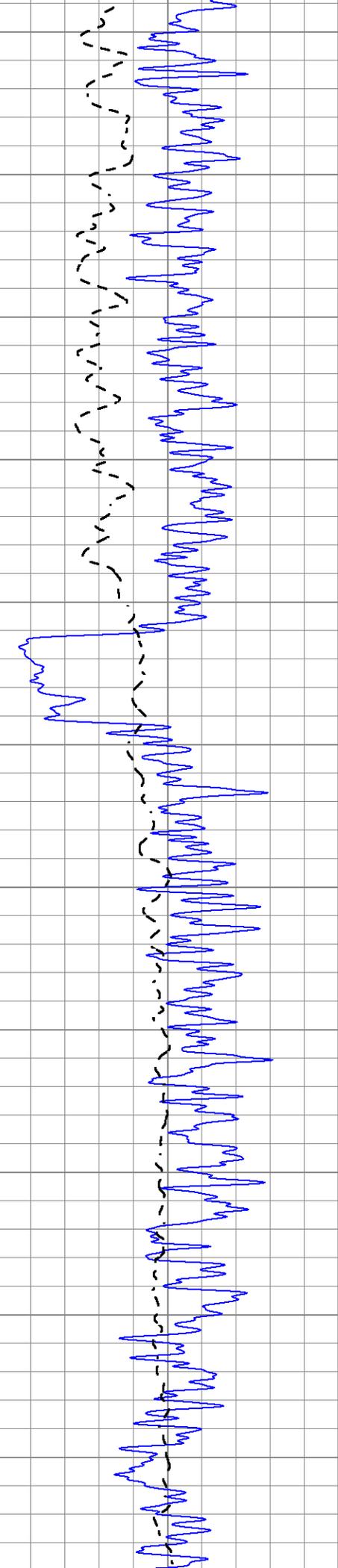


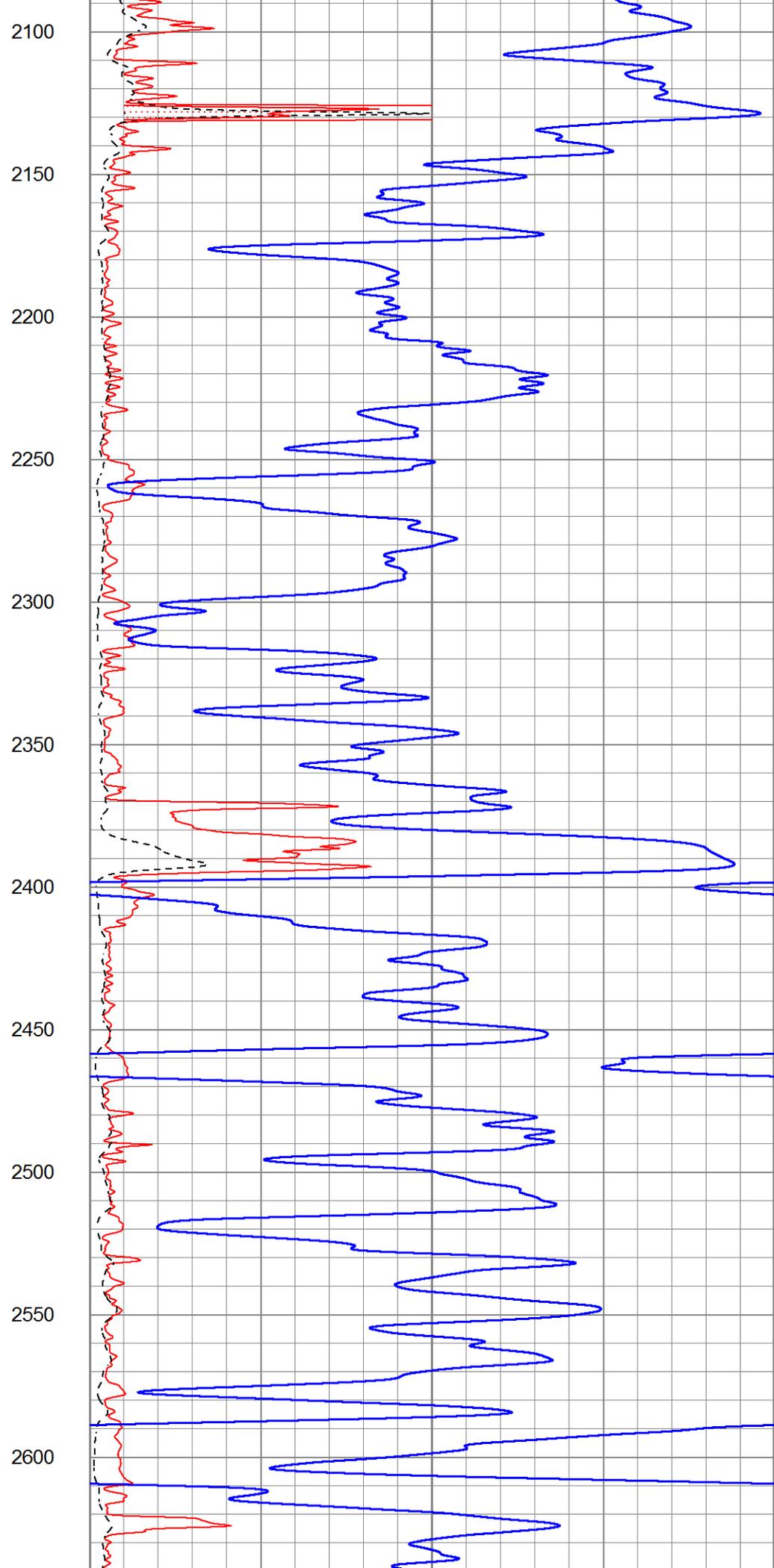
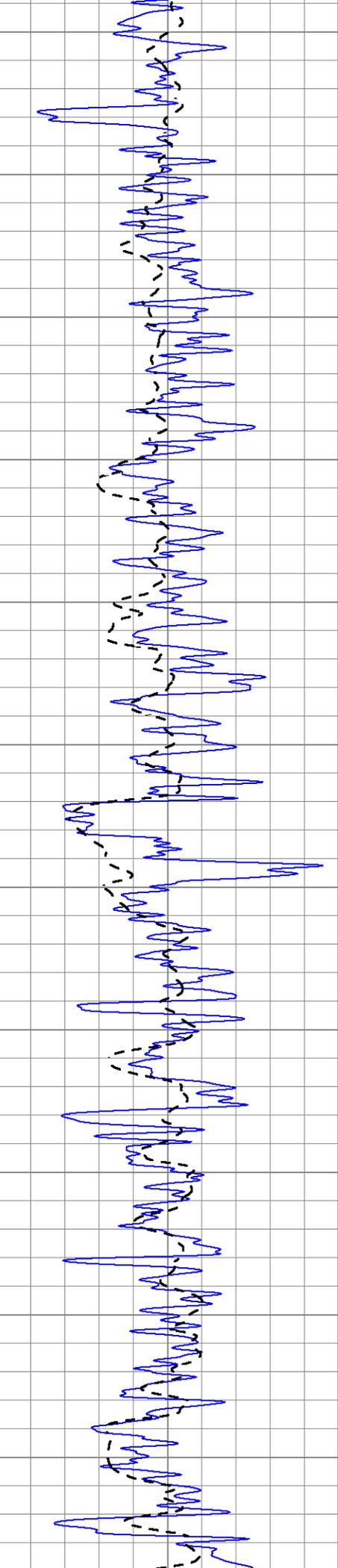


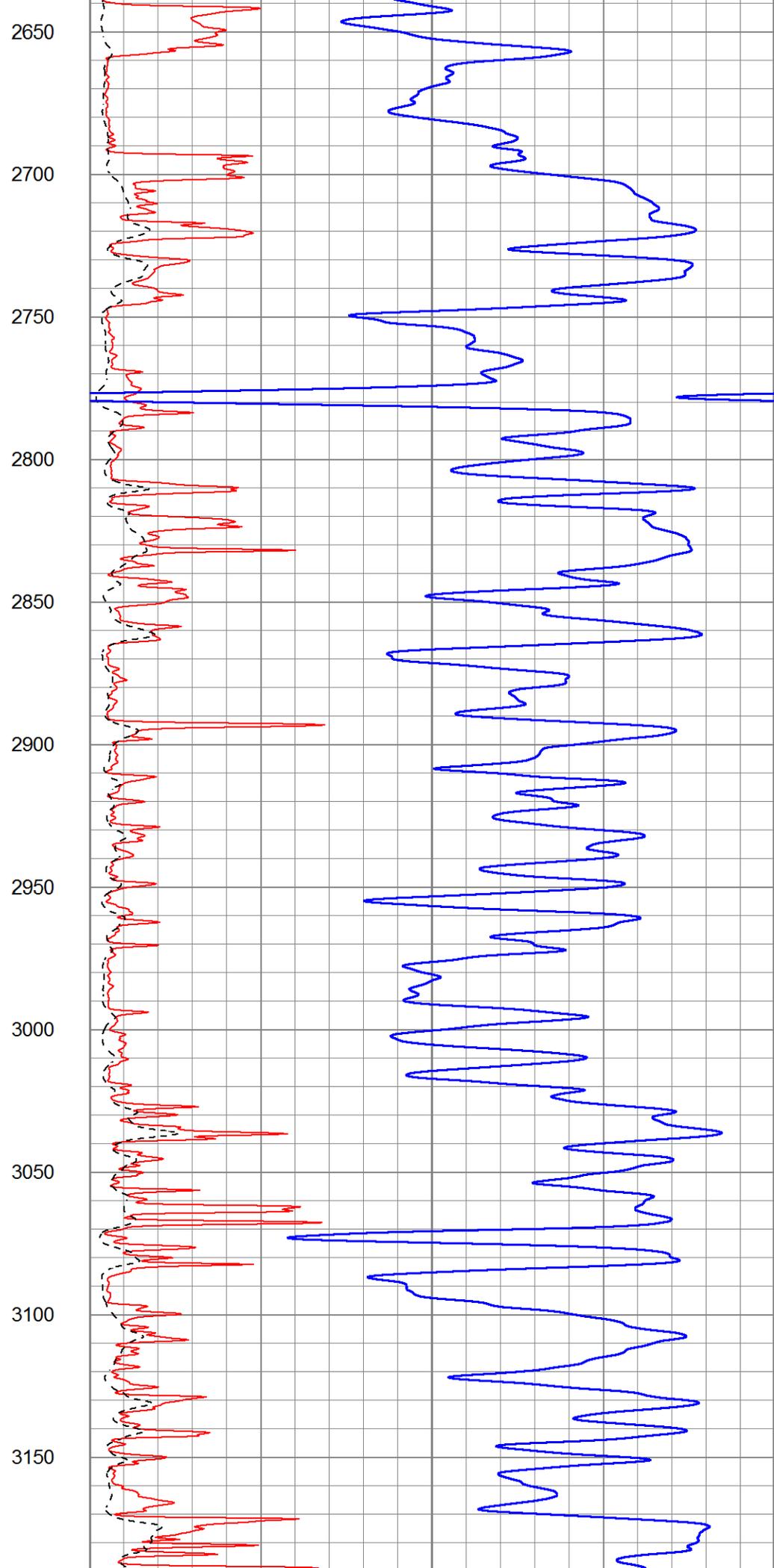
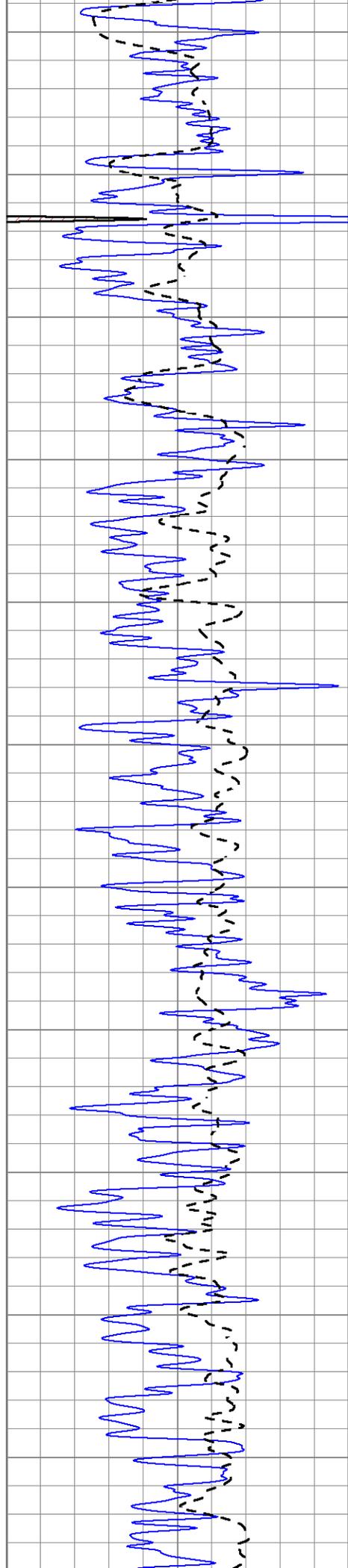
450
500
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600
650
700
750
800
850
900
950

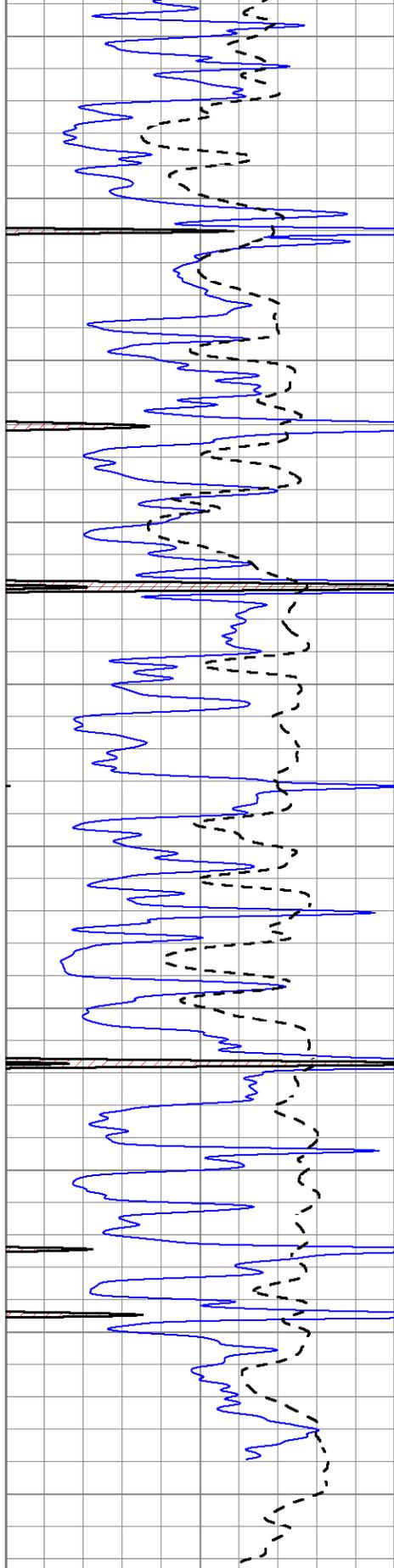




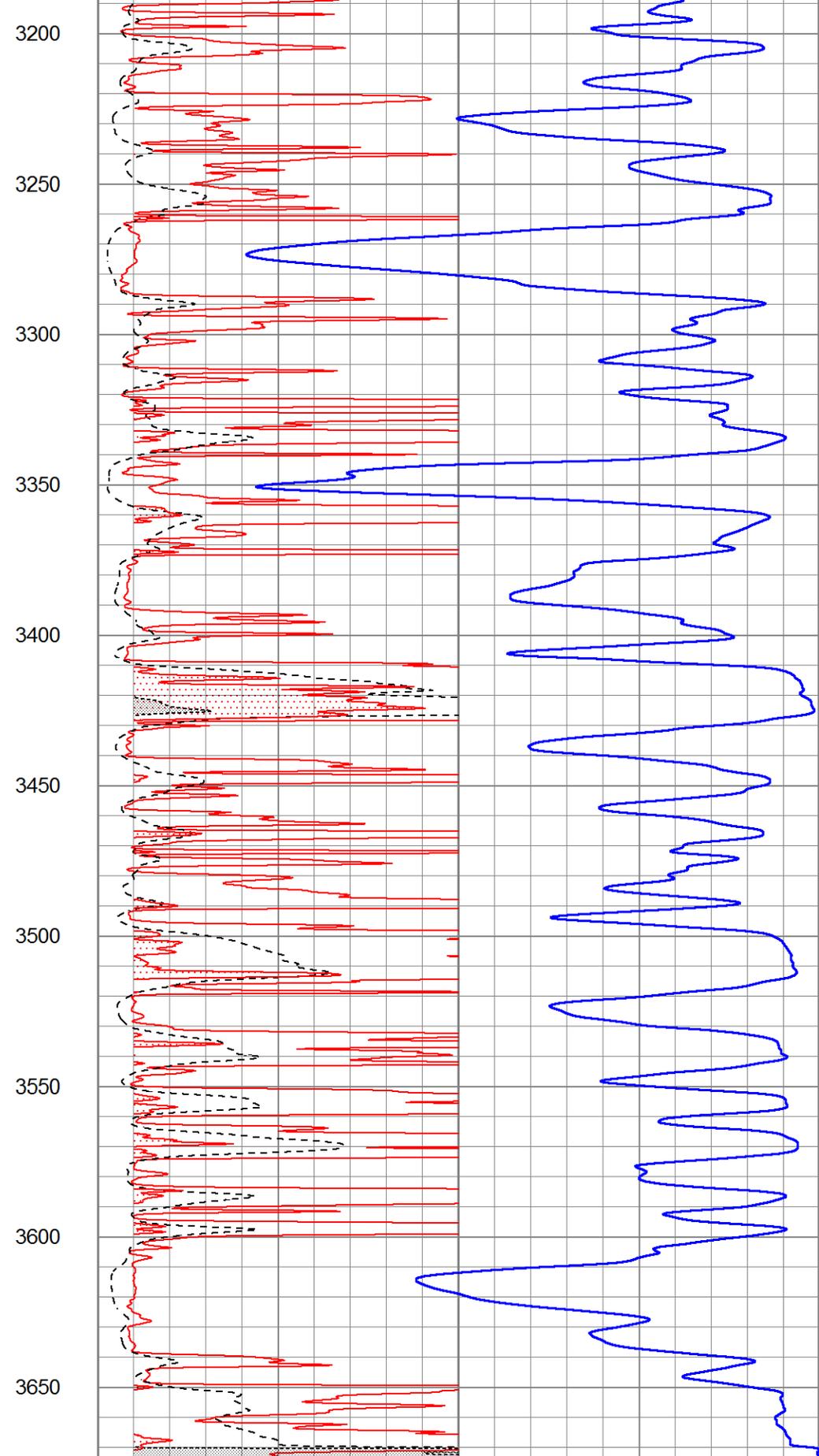








0	Gamma Ray (GAPI)	150
-100	SP (mV)	100



1000	CILD (mmho/m)	0
0	RLL3 (Ohm-m)	50
0	Deep Induction (Ohm-m)	50

50	RILD X10 (Ohm-m)	500
50	RLL3 X10 (Ohm-m)	500

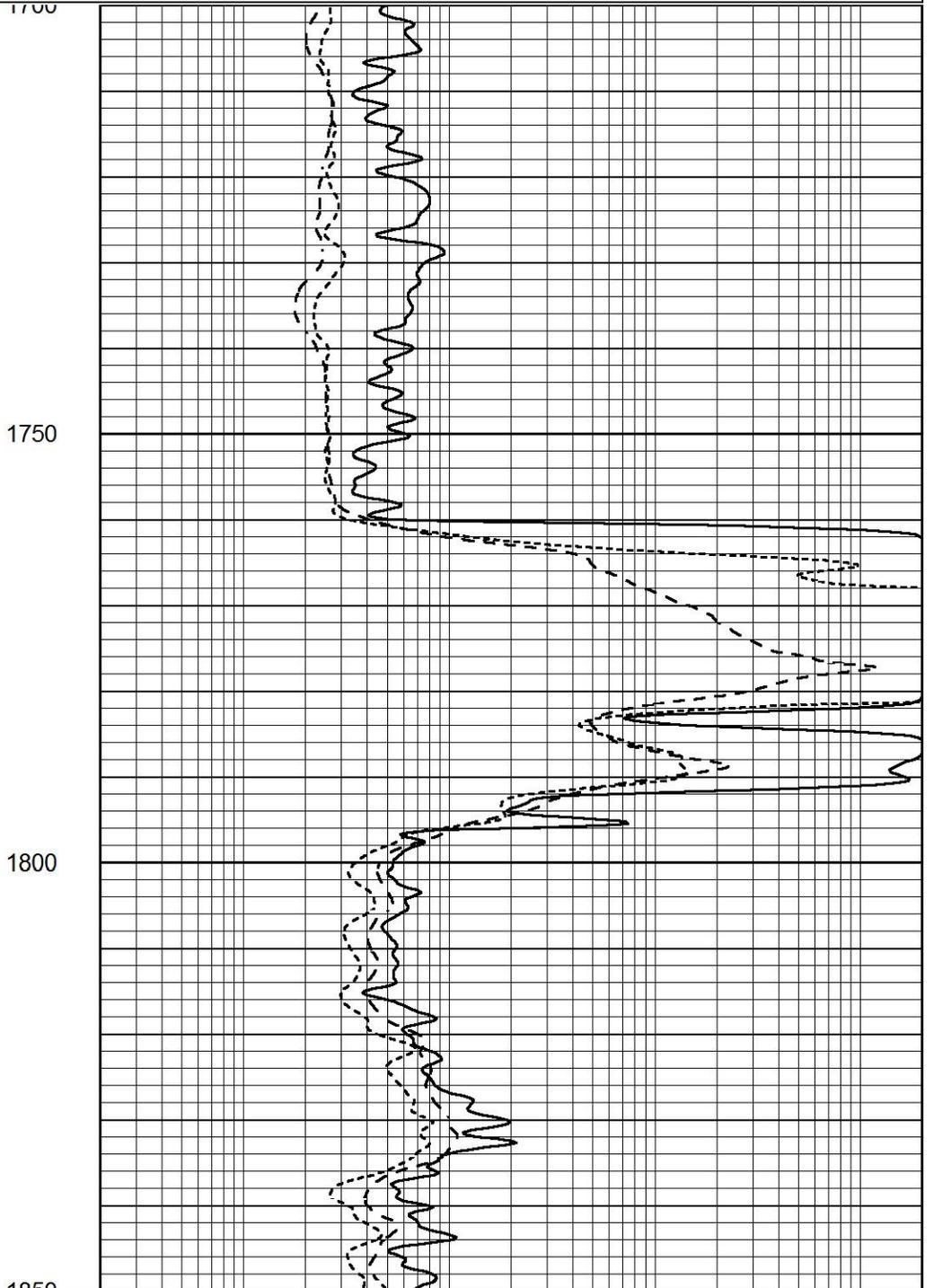
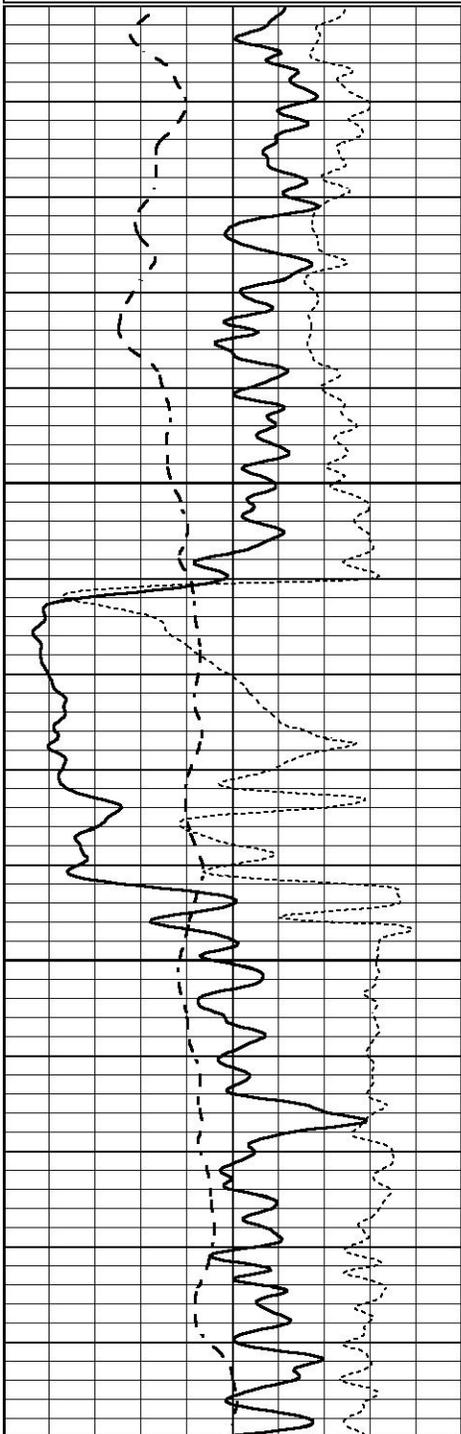


ANHYDRITE

Database File 5630ddn.db
 Dataset Pathname pass3.2
 Presentation Format _dil
 Dataset Creation Wed Jun 30 07:15:41 2021
 Charted by Depth in Feet scaled 1:240

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

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



0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100

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

-100	SP (mV)	100
-250	Rxo/Rt	50

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

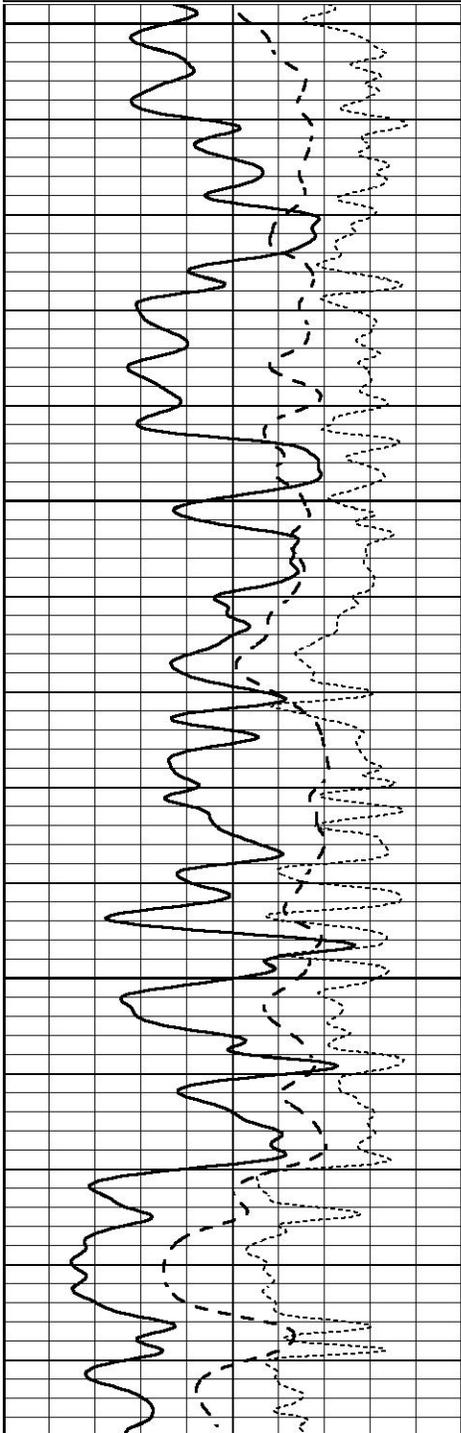


MAIN SECTION

Database File 5630ddn.db
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 Presentation Format _dil
 Dataset Creation Wed Jun 30 06:57:26 2021
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0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50

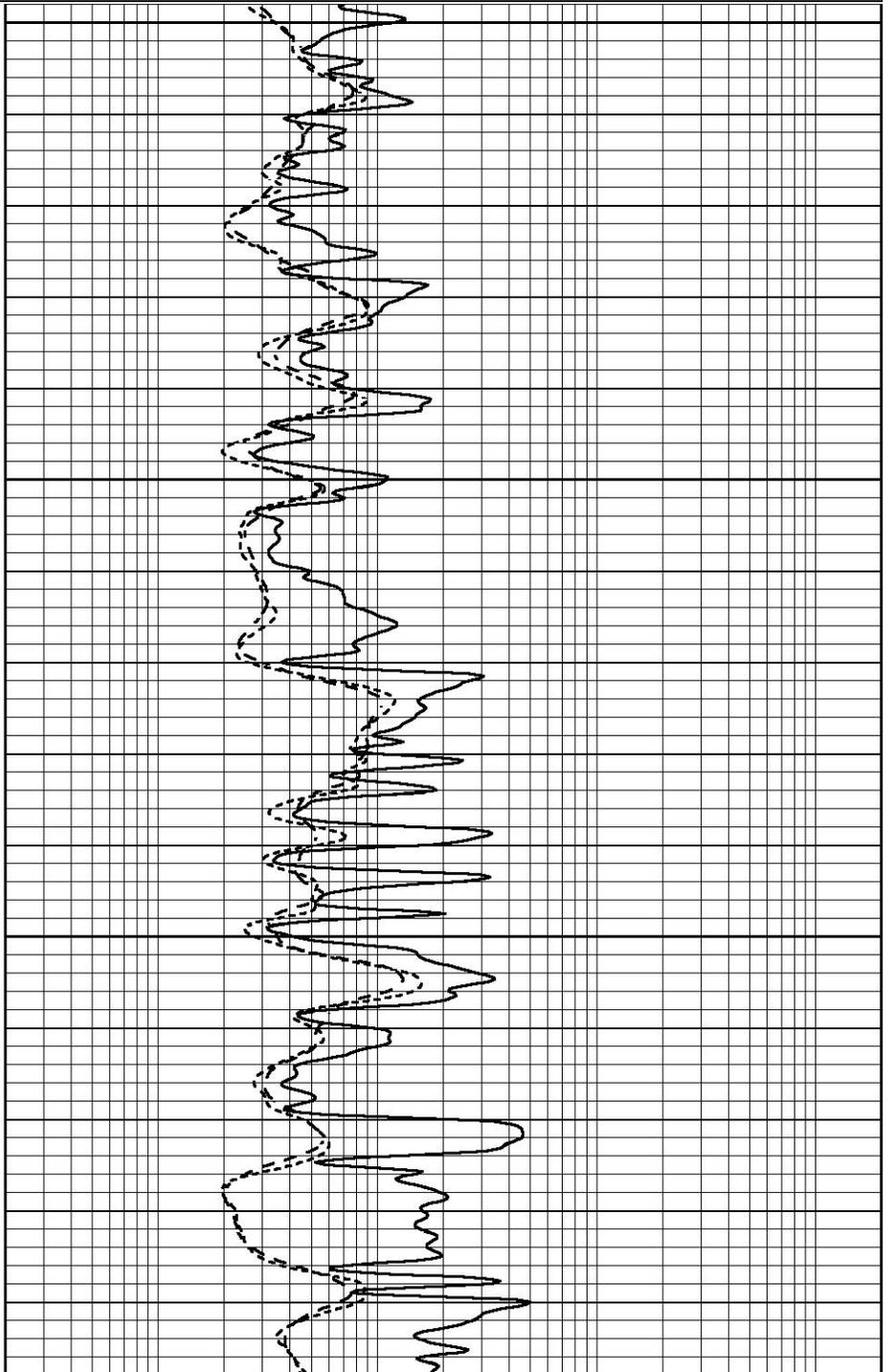
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

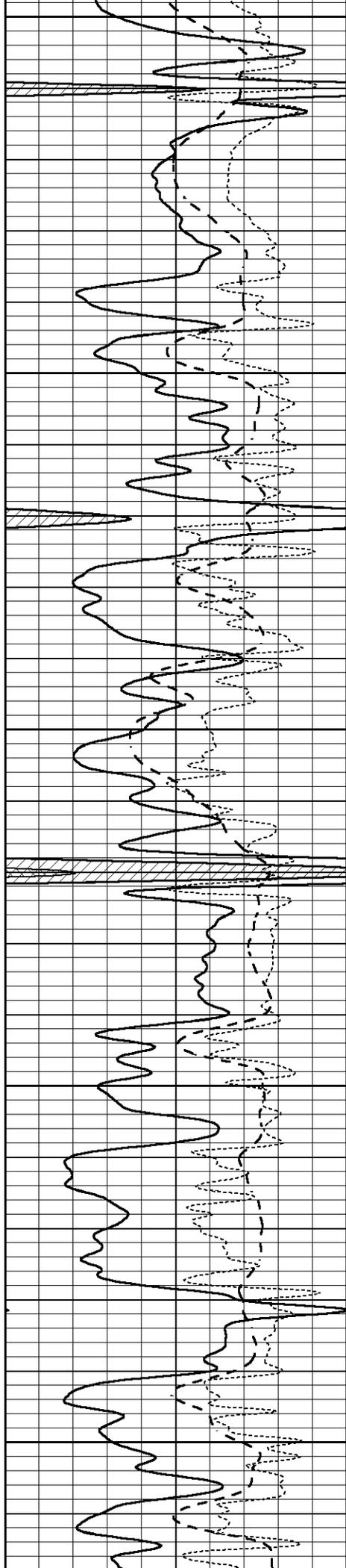


3100

3150

3200





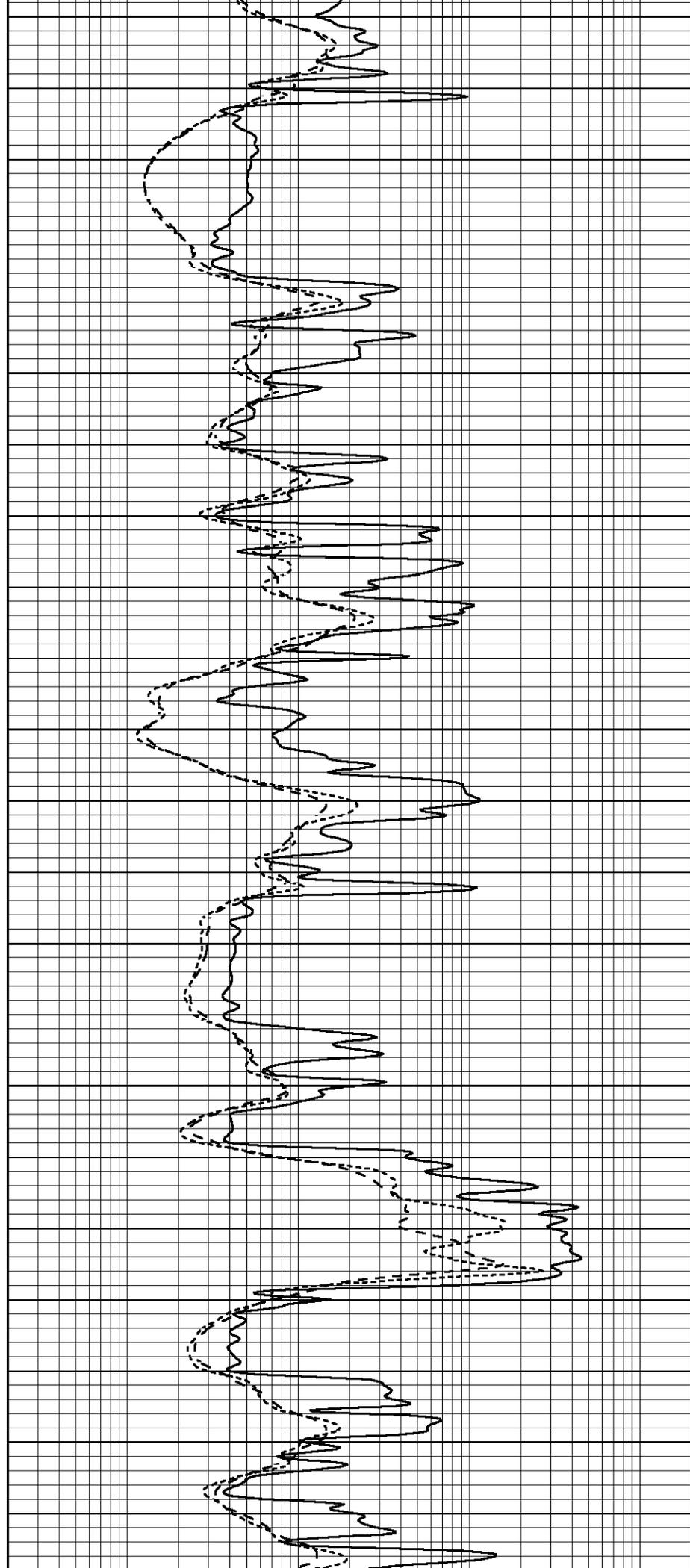
3250

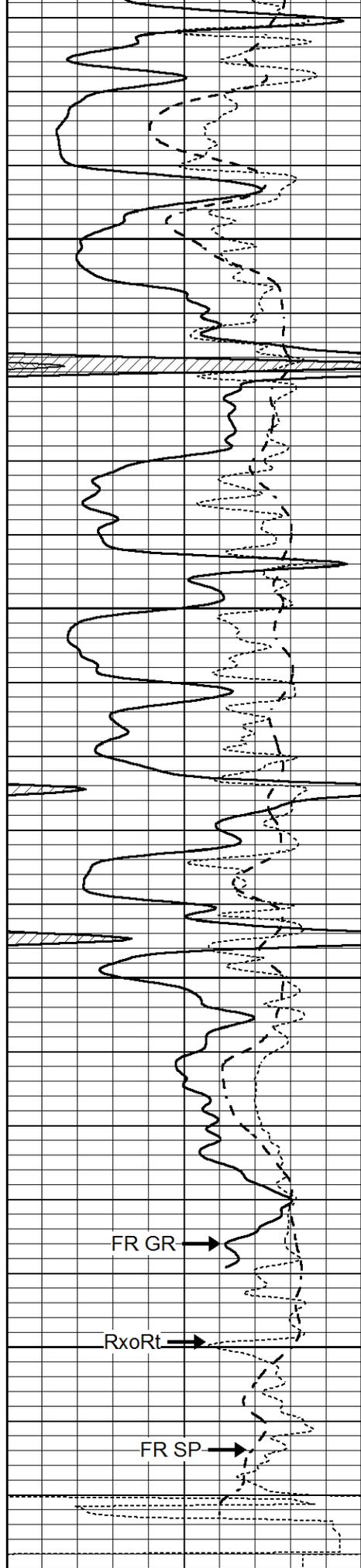
3300

3350

3400

3450





3500

3550

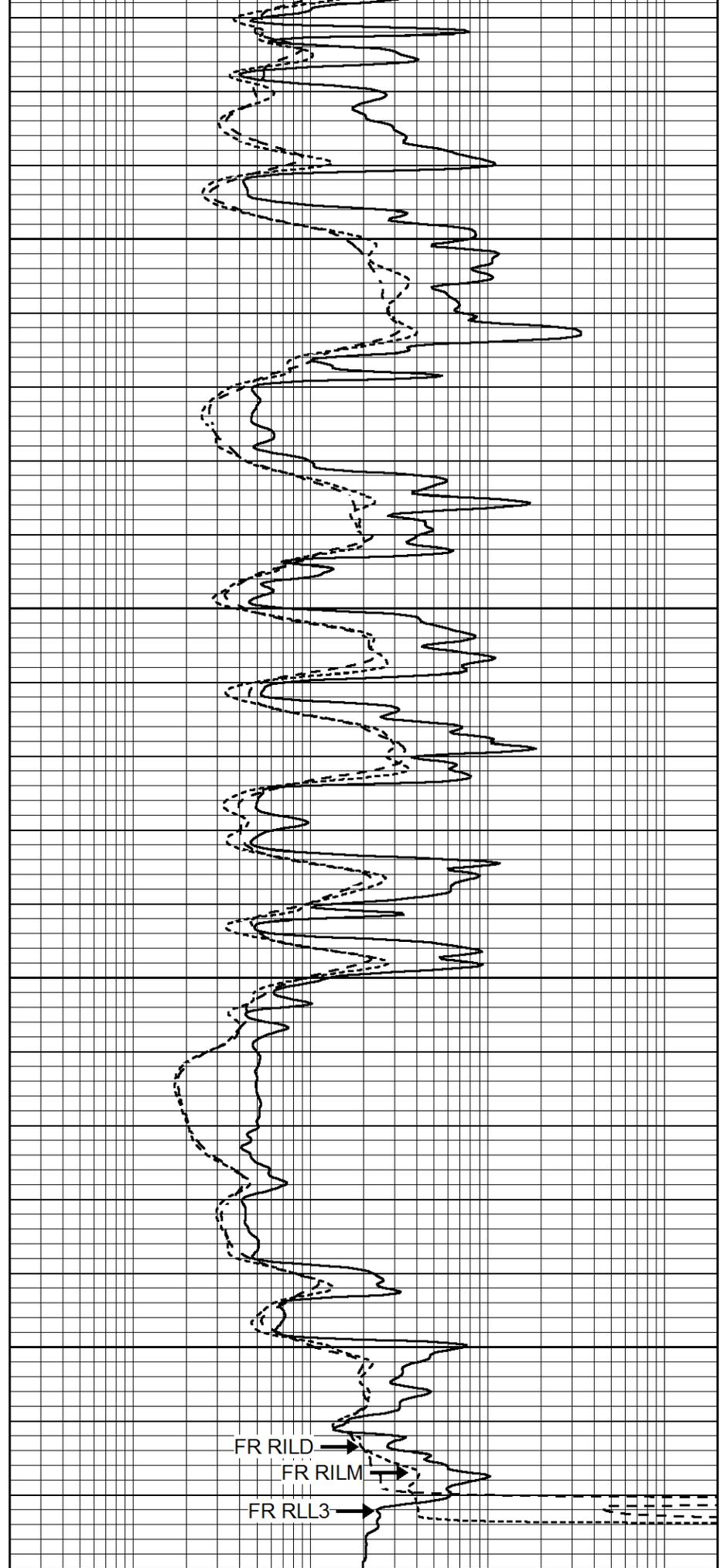
3600

3650

LTD 3674

0 GAMMA RAY (GAPI) 150

100 SP (mV) 100



0.2 SHALLOW GUARD (Ohm-m) 2000

0.2 MEDIUM INDUCTION (Ohm m) 2000

-100	SP (mV)	100
-250	Rxo/Rt	50

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

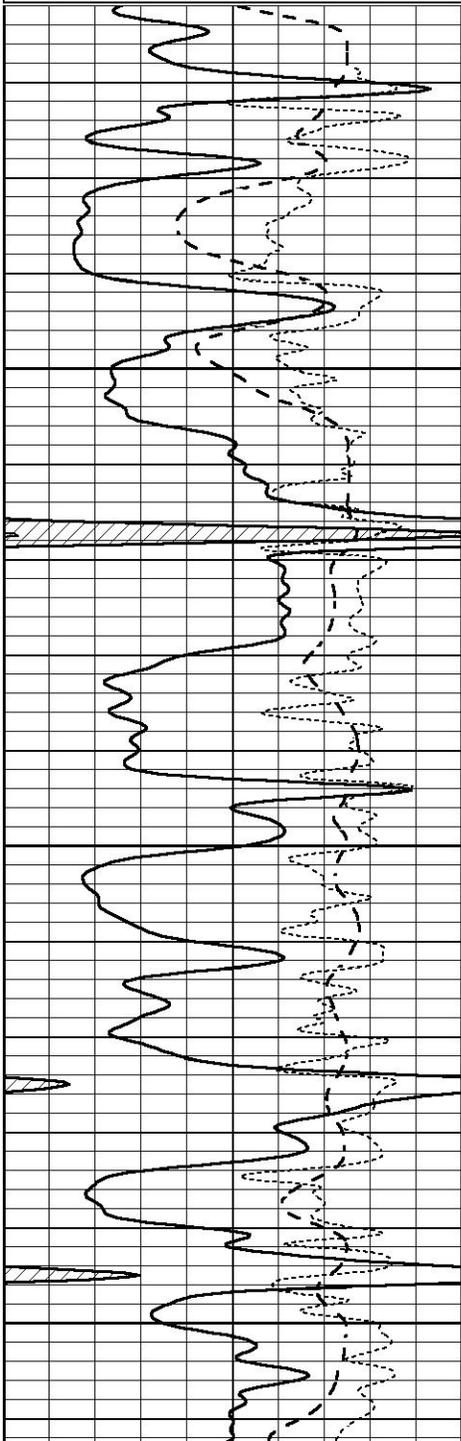


REPEAT SECTION

Database File 5630ddn.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Wed Jun 30 06:42:33 2021
 Charted by Depth in Feet scaled 1:240

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

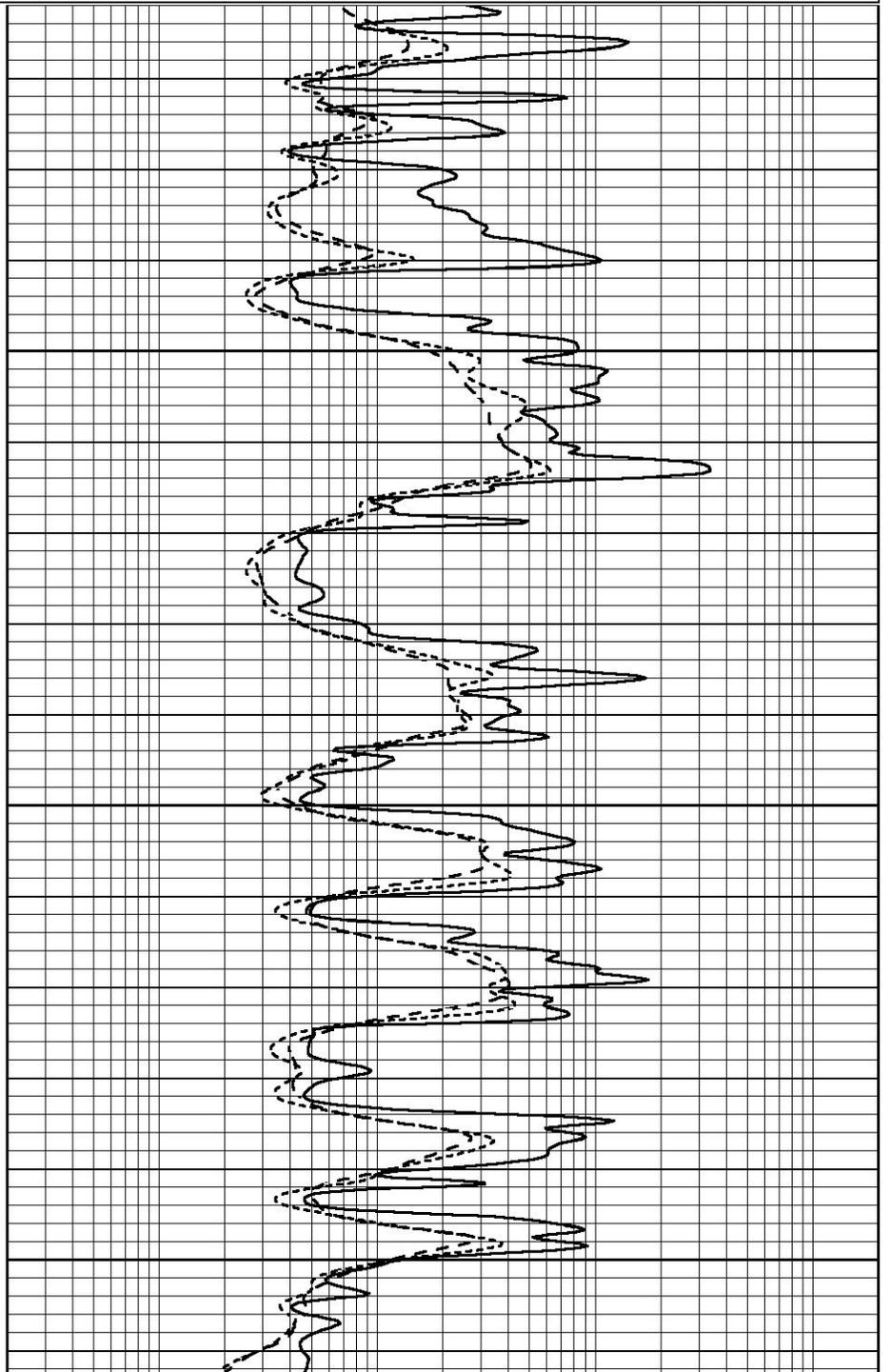
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000



3500

3550

3600



Deep	0.000	0.000	mmho/m	-0.824	395.917	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	3.565	471.327	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1500.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		3745.000	mmho-m		

Litho Density Calibration Report
Serial: 140704
Model: V4_10P
Source Number: 74GBq-19

Master Calibration				Performed: Mon Dec 07 12:12:14 2020			
	<u>Background</u>	<u>Aluminum</u>	<u>Magnesium</u>				
Window 1	557.73	5525.14	24361.20				cps
Window 2	47.08	1245.09	5901.17				cps
Window 4	239.06	1250.70	5456.76				cps
Window 5	564.08	8300.56	16134.07				cps
Window 6	44.21	1356.78	2705.40				cps
Window 8	267.87	2686.97	5150.30				cps
Bulk Density	-	2.6020	1.6830				g/cc
Pe	-	3.0000	2.5070				b/e
LS Alpha:	:-1.8719	SS Alpha:	:-0.8000	LS CPE:		: 1.1424	
LS Beta:	: 135562.6841	SS Beta:	: 20128.7209	SS CPE:		: 1.5489	

Before Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969			
Window 1	0.00		cps				
Window 2	0.00		cps				
Window 4	0.00		cps				
Window 5	0.00		cps				
Window 6	0.00		cps				
Window 8	0.00		cps				

After Survey Background Counts Verification				Performed: Wed Dec 31 18:00:00 1969			
Window 1	0.00		cps				
Window 2	0.00		cps				
Window 4	0.00		cps				
Window 5	0.00		cps				
Window 6	0.00		cps				
Window 8	0.00		cps				

Lithodensity Caliper Calibration				Performed: Mon Dec 07 12:12:14 2020			
Results	Readings		References (in)		Gain	Offset	
	<u>Low</u>	<u>High</u>	<u>Low</u>	<u>High</u>			
	664.3	1102.8	8.0	14.0	0.0	-1.0	

Before Survey Caliper Verification				Performed:			
	<u>Reference</u>	<u>Reading</u>					
Caliper (in)	_____	_____					

After Survey Caliper Verification				Performed:			
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	Reference	Reading		
Caliper (in)				
Compensated Neutron Calibration Report				
		Serial Number:	080621PMC	
		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:	7		
	Tool Model:	Probe1		
	Performed:	Tue Jan 19 17:50:08 2021		
	Calibrator Value:	1.0	GAPI	
	Background Reading:	0.0	cps	
	Calibrator Reading:	1.0	cps	
	Sensitivity:	0.5300	GAPI/cps	