



NABORS

**COMPLETION
& PRODUCTION
SERVICES CO.**

**DUAL
INDUCTION
LOG**

Company	TRANS PACIFIC OIL CORP.			
Well	MONGEAU TRUST "A" #1-30			
Field	MONGEAU TRUST "A" #1-30			
County	ROOKS	State	KANSAS	
Location:	API # : 15-163-24224		Other Services CDL/CNL/PE SONIC/MEL	
	1014' FSL & 1969' FWL			
Permanent Datum	SEC 20	TWP 6S	RGE 18W	Elevation K.B. 2048 D.F. G.L. 2043
Log Measured From	GROUND LEVEL			
Drilling Measured From	KELLY BUSHING 5' A.G.L. KELLY BUSHING			
Date	7-28-14			
Run Number	ONE			
Depth Driller	3660			
Depth Logger	3659			
Bottom Logged Interval	3657			
Top Log Interval	00			
Casing Driller	217			
Casing Logger	217			
Bit Size	7.875			
Type Fluid in Hole	CHEMICAL MUD			
Density / Viscosity	9.4 / 60			
pH / Fluid Loss	9.0 / 8.8			
Source of Sample	FLOWLINE			
Rm @ Meas. Temp	1.40 @ 90F			
Rmf @ Meas. Temp	1.05 @ 90F			
Rmc @ Meas. Temp	1.68 @ 90F			
Source of Rmf / Rmc	MEASURED			
Rm @ BHT	1.13 @ 111F			
Time Circulation Stopped	2 HOURS			
Time Logger on Bottom	6.15 P.M.			
Maximum Recorded Temperature	111F			
Equipment Number	3802			
Location	HAYS, KS.			
Recorded By	RUPP			
Witnessed By	ALEX CHAPIN			
	B. BIDDLEMAN			

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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

NABORS COMPLETION & PRODUCTION SERVICES
785-628-6395
THANK YOU FOR YOUR BUSINESS
DIRECTIONS: STOCKTON, 5W, 4N, E INTO.



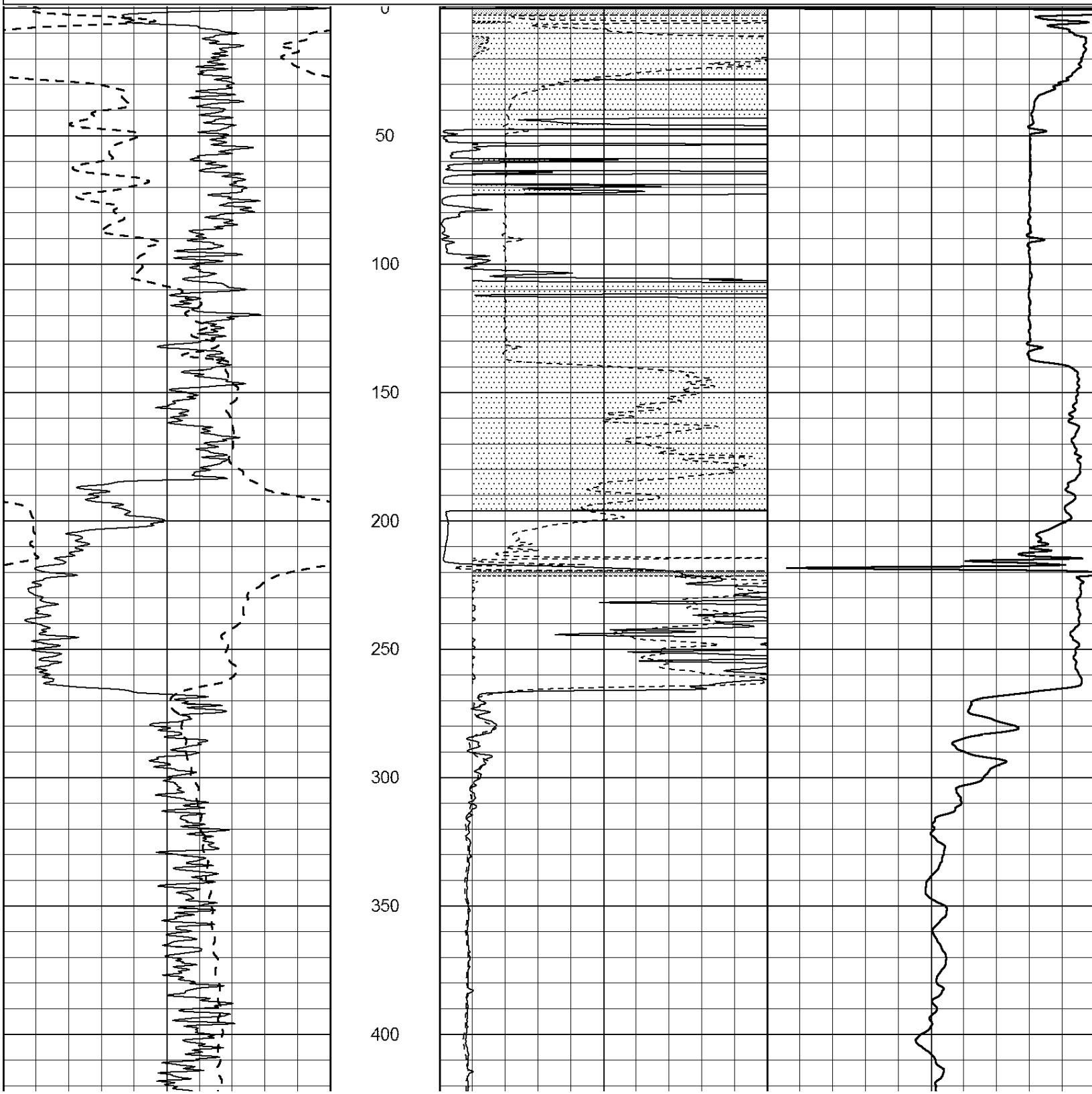
NABORS

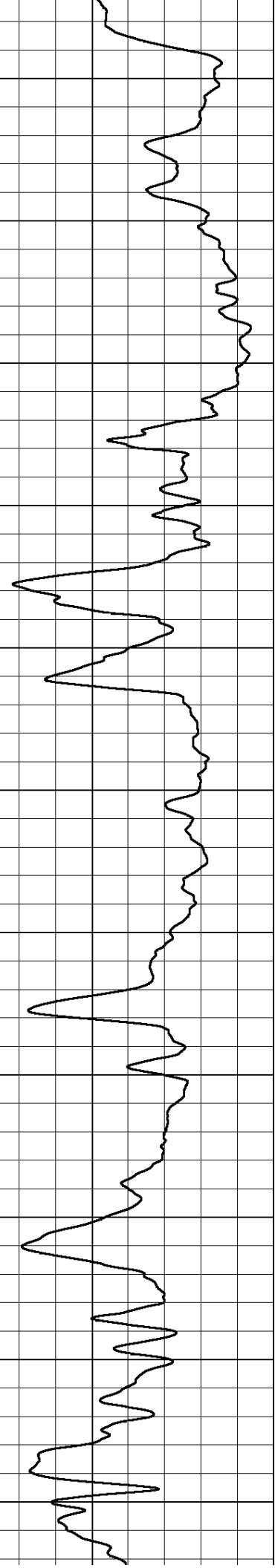
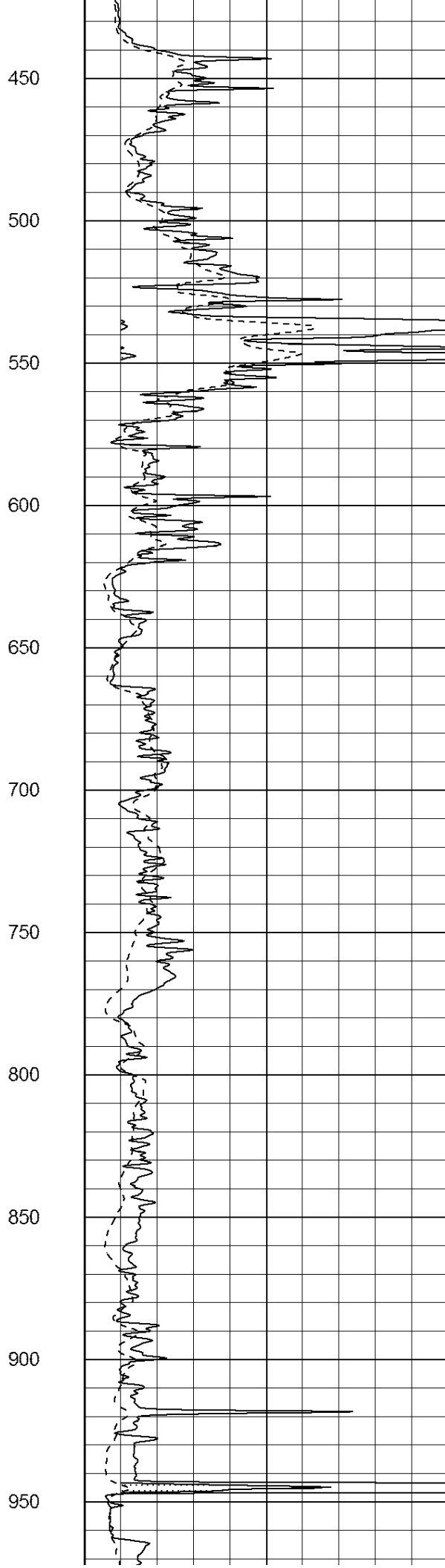
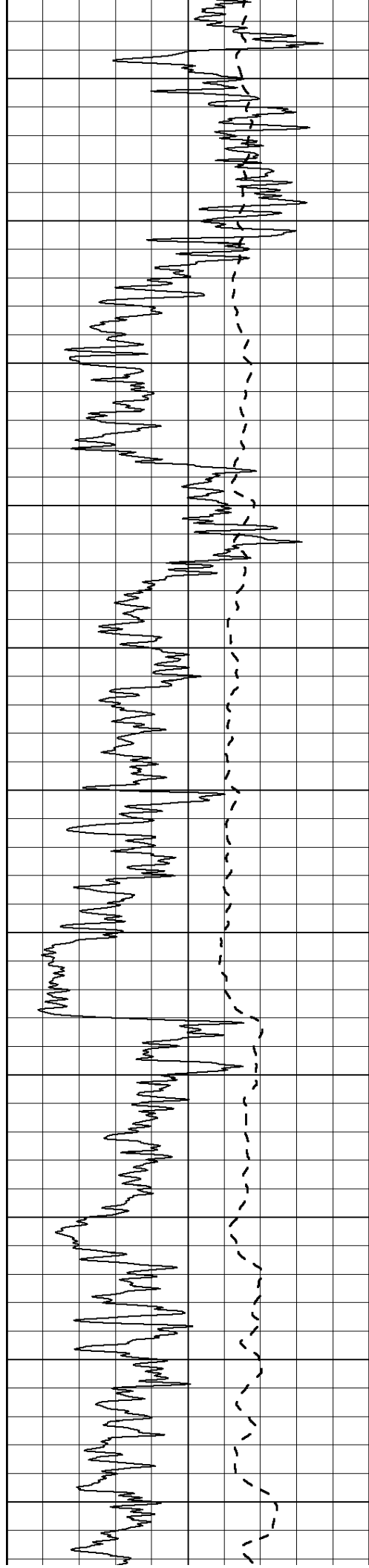
**COMPLETION
& PRODUCTION**

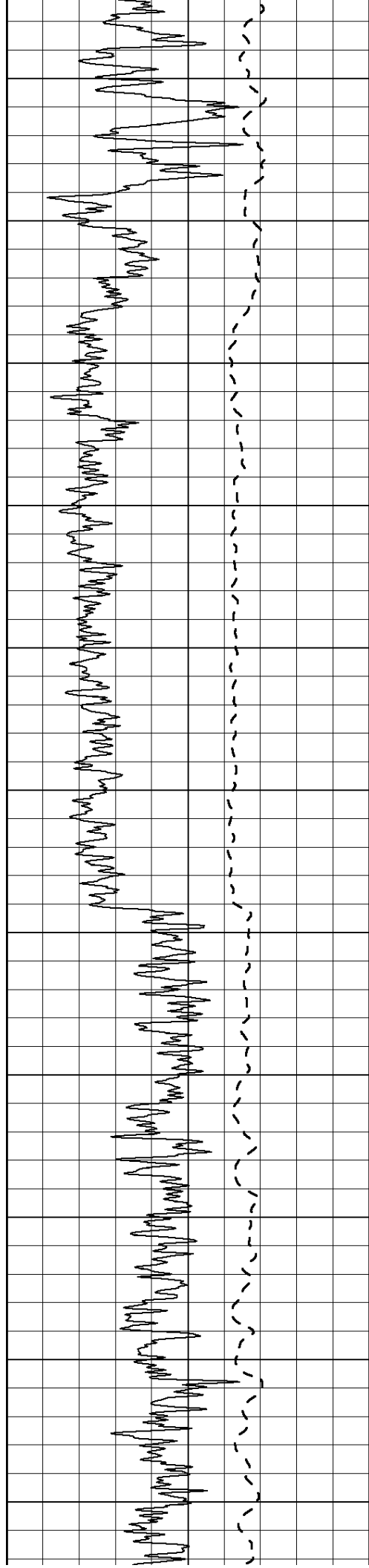
MAIN SECTION

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 Dataset Pathname: pass4.1
 Presentation Format: _dil2
 Dataset Creation: Mon Jul 28 19:20:41 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:600

0	Gamma Ray (GAPI)	150	0	RLL3 (Ohm-m)	50
			0	Deep Induction (Ohm-m)	50
			1000	CILD (mmho/m)	0
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

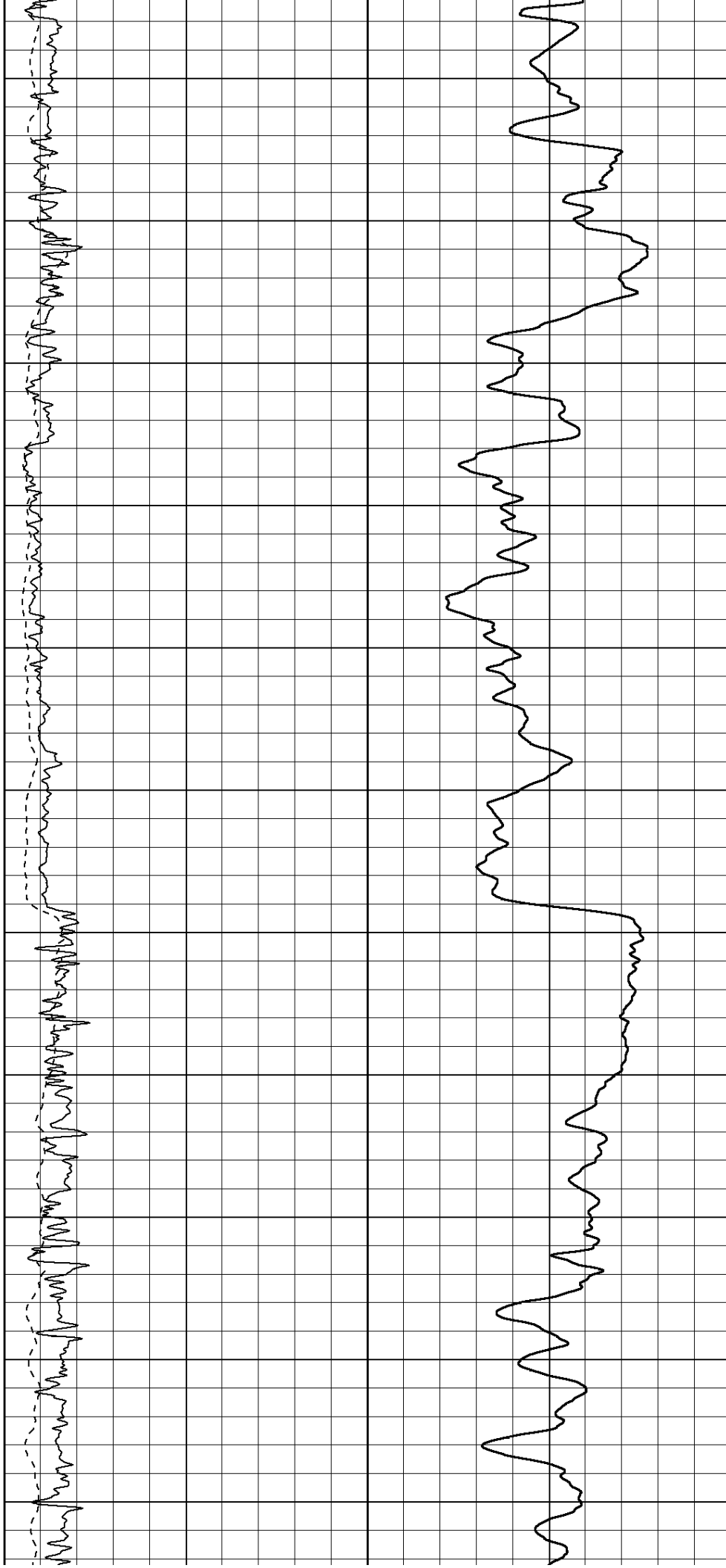
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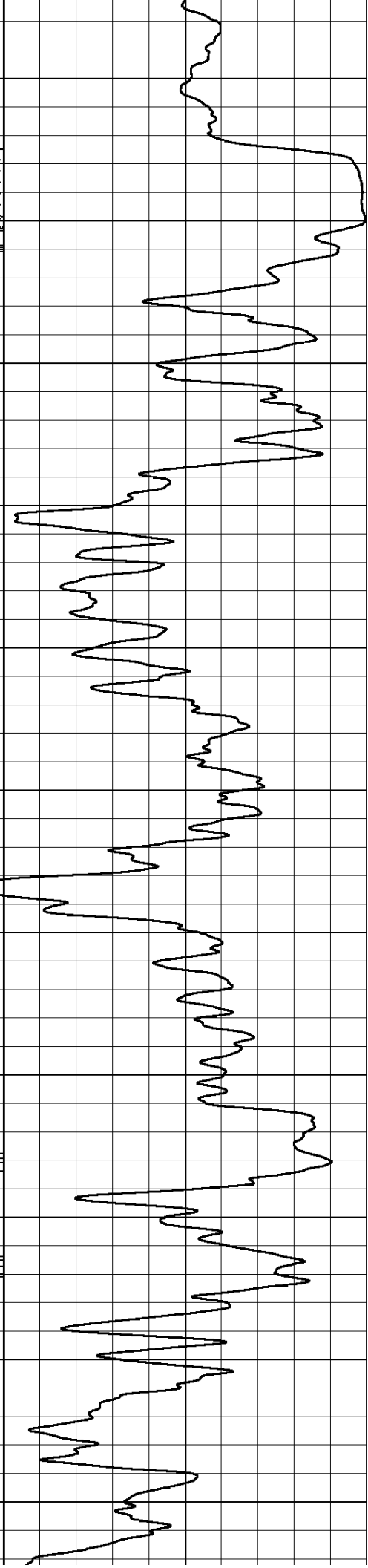
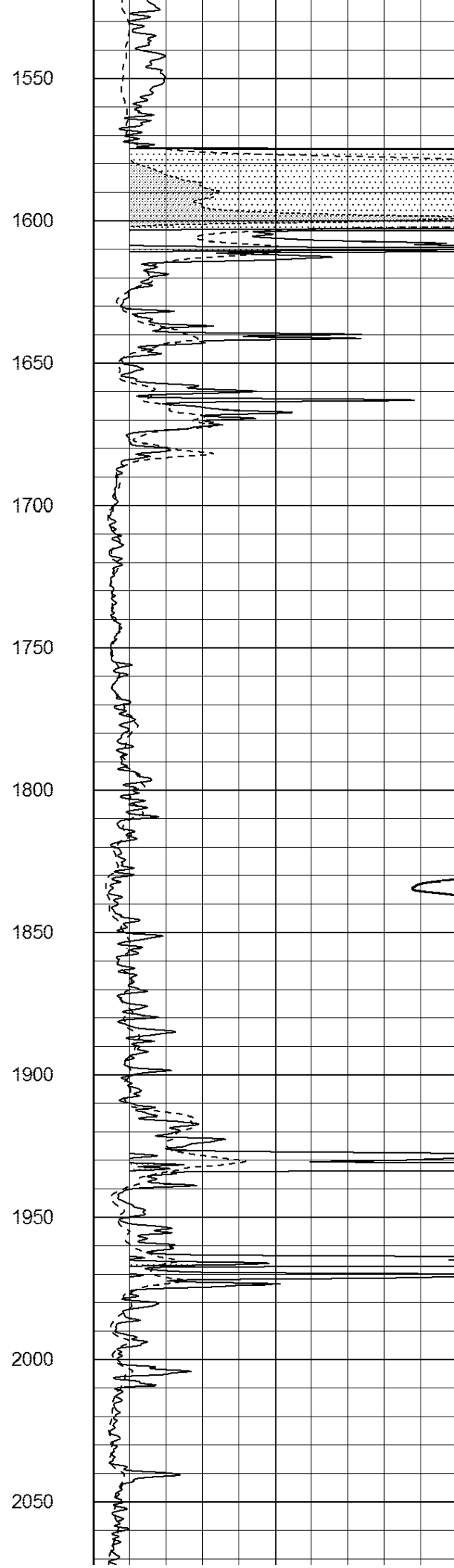
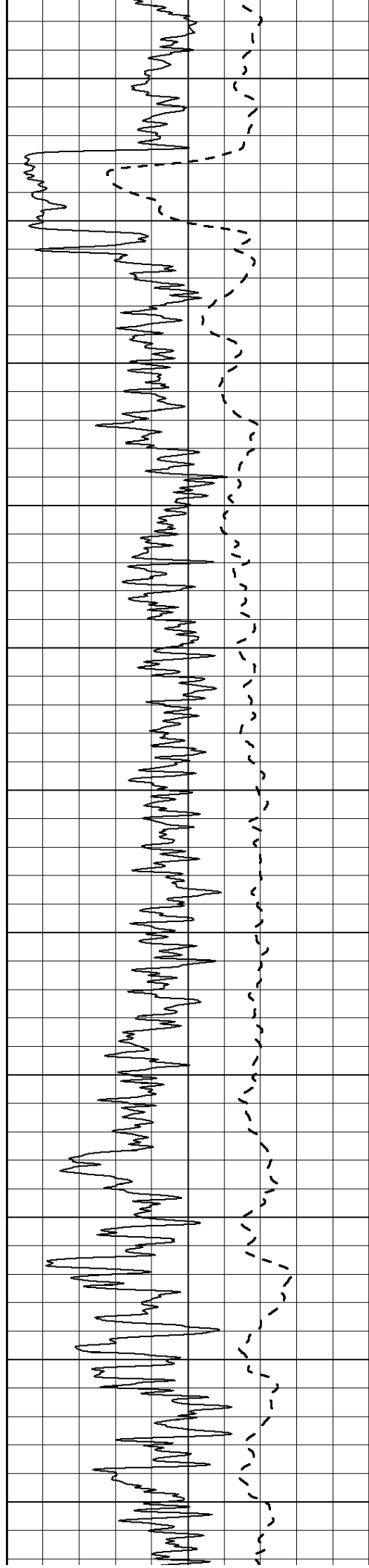
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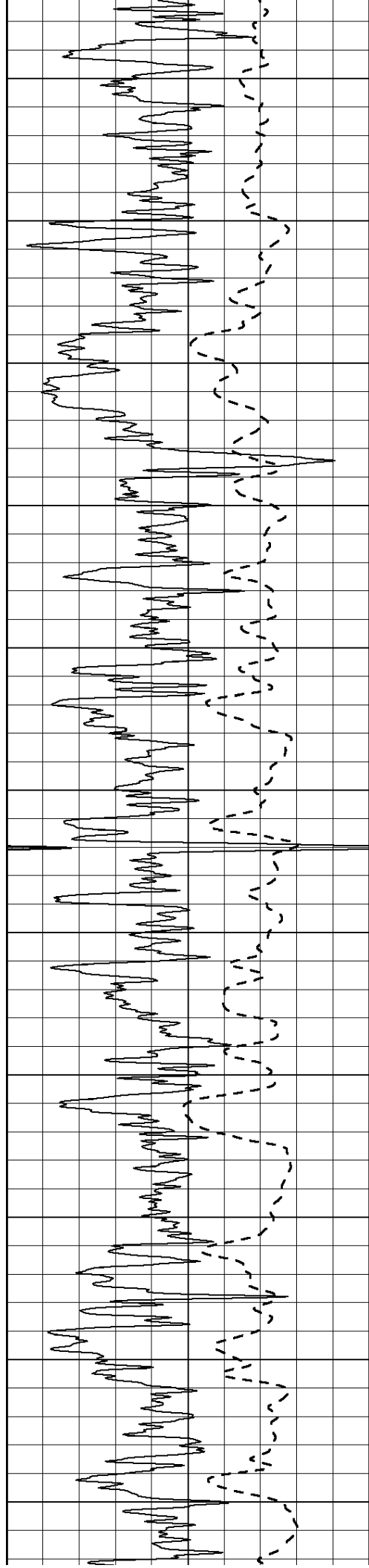
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1450

1500







2100

2150

2200

2250

2300

2350

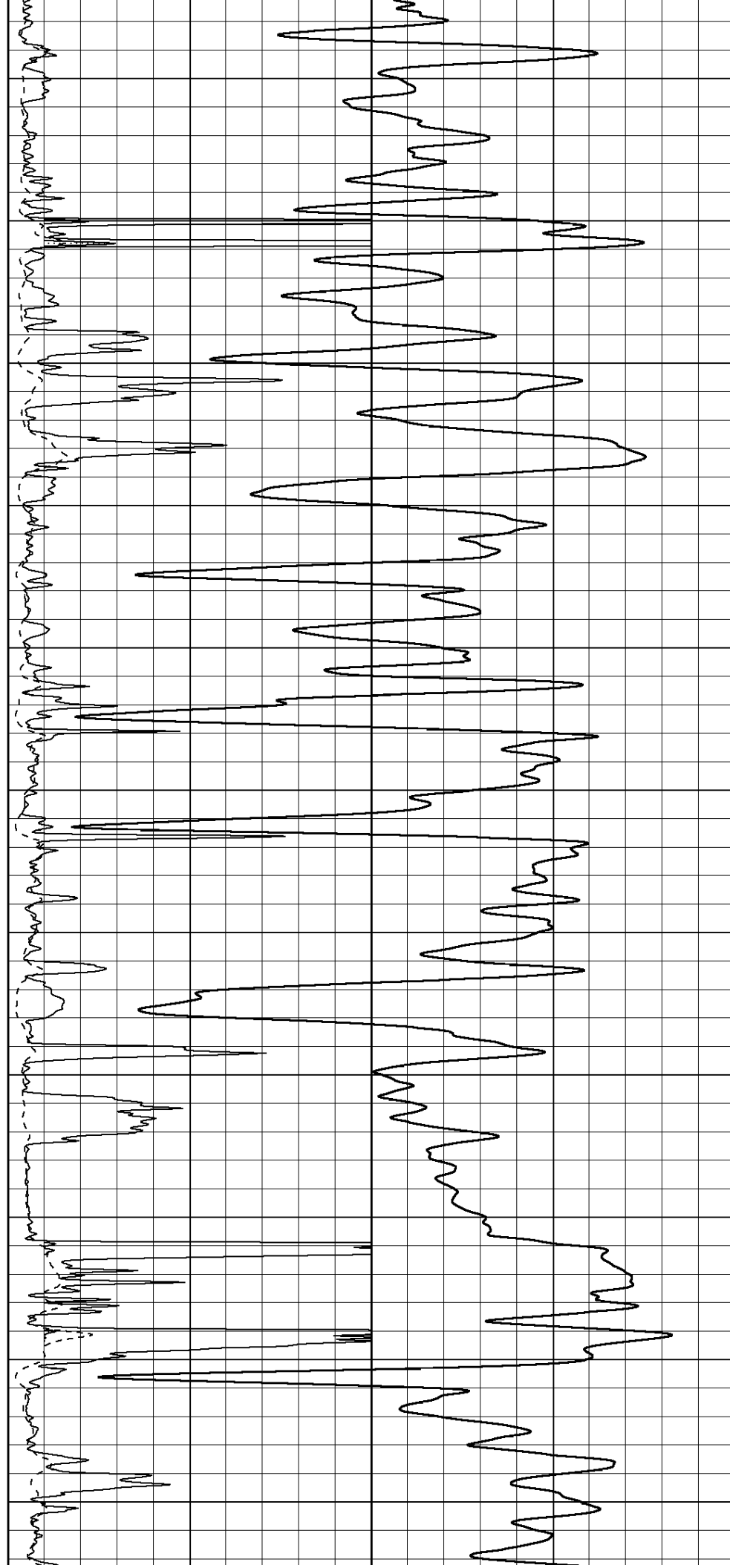
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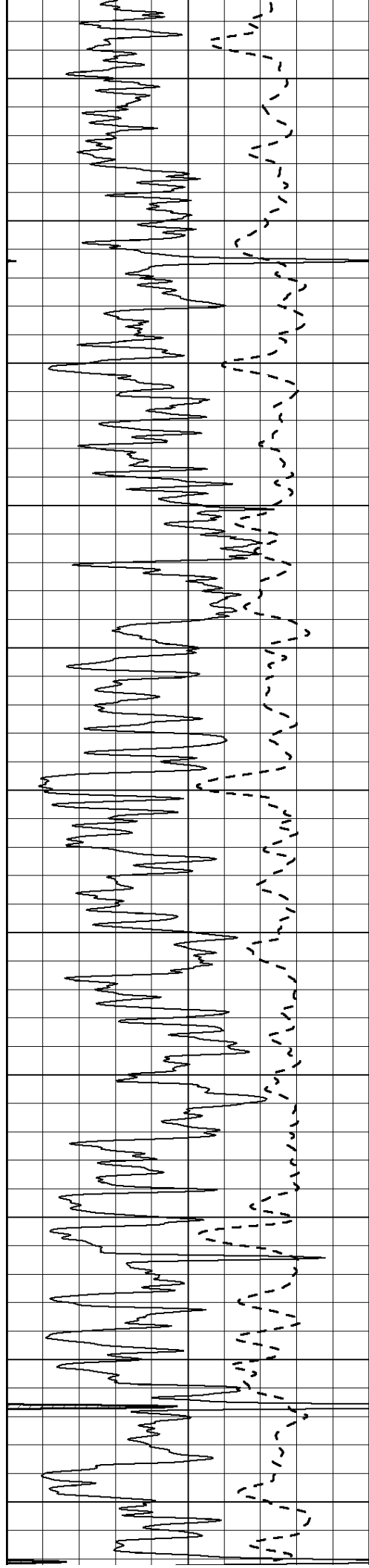
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2500

2550

2600





2650

2700

2750

2800

2850

2900

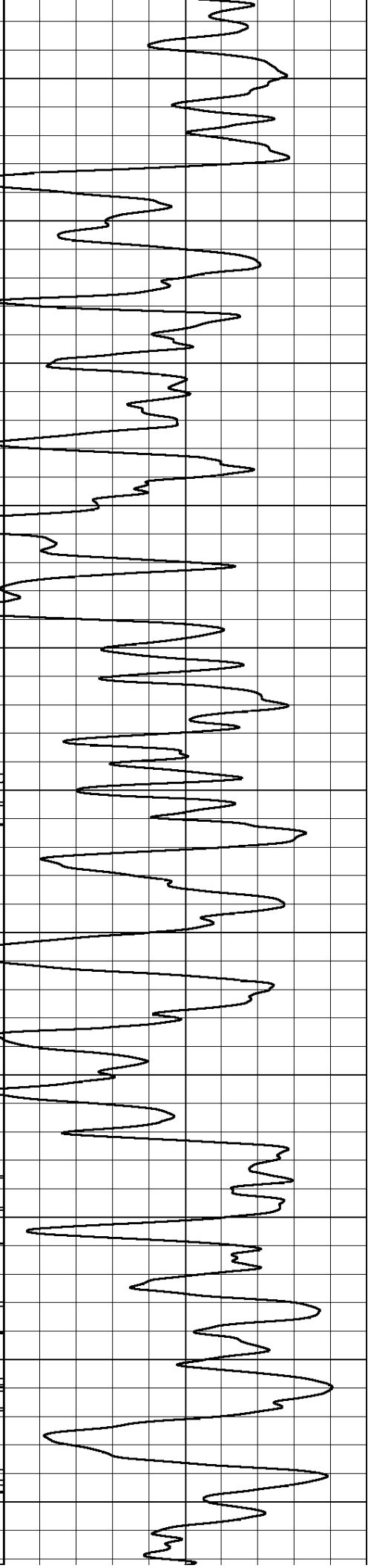
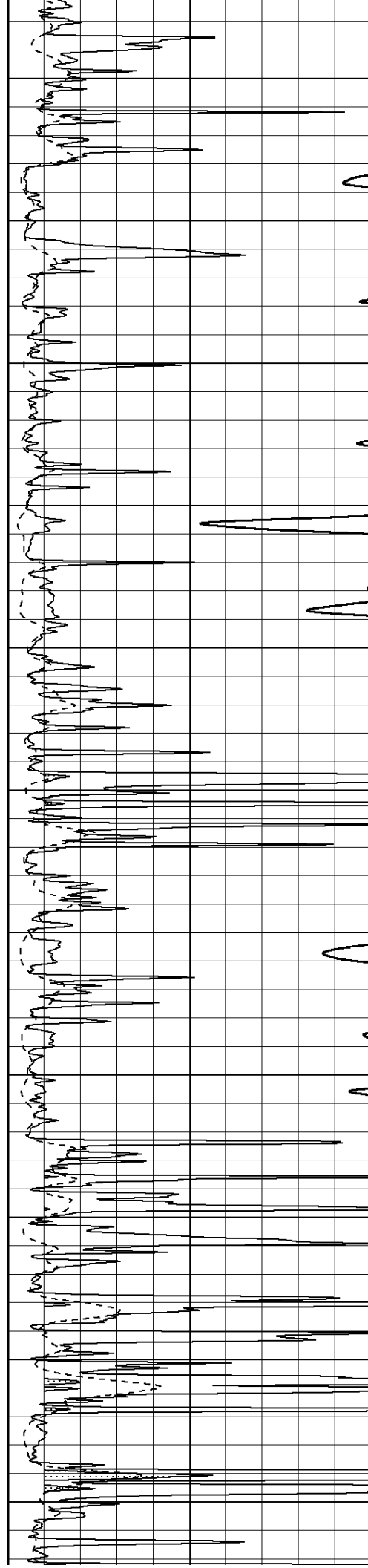
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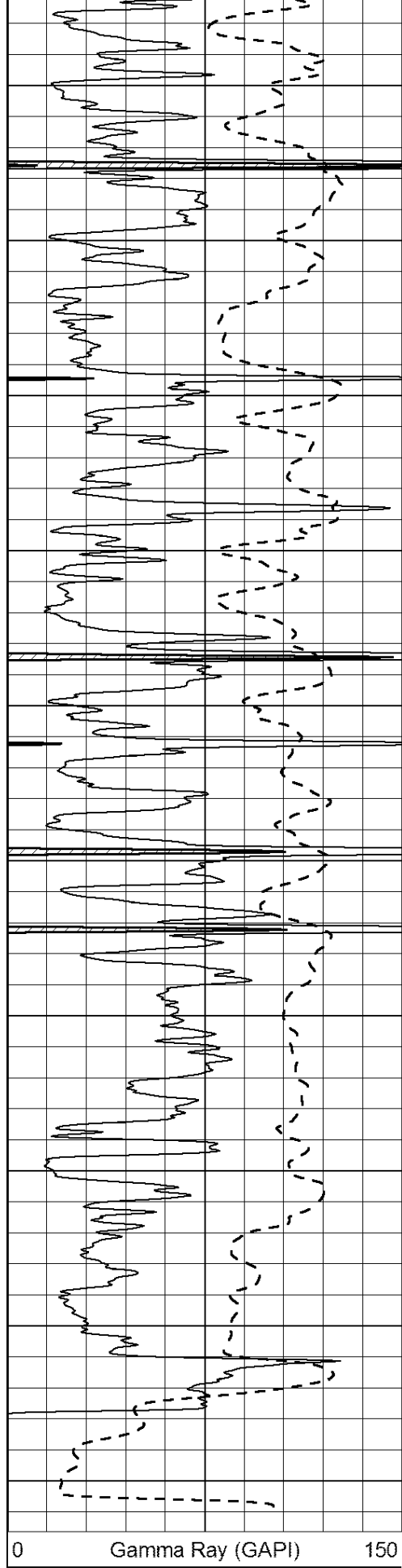
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3050

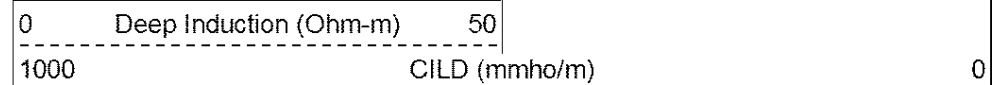
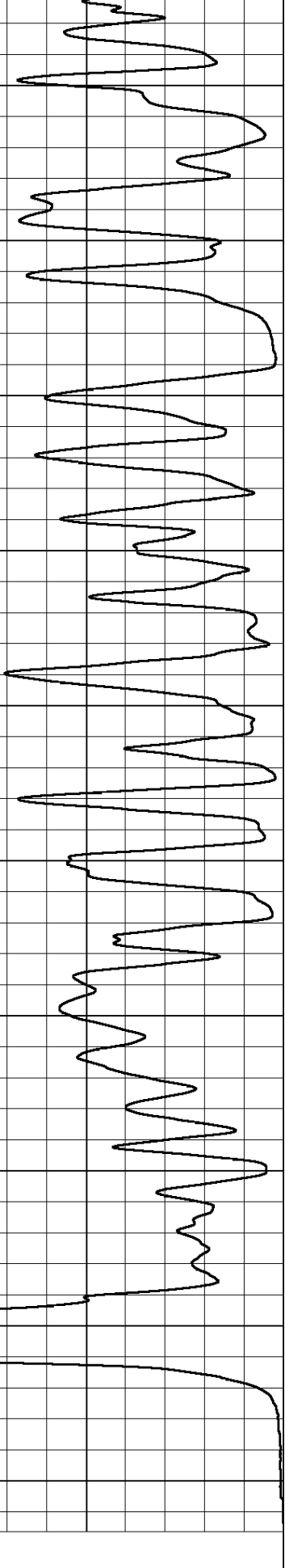
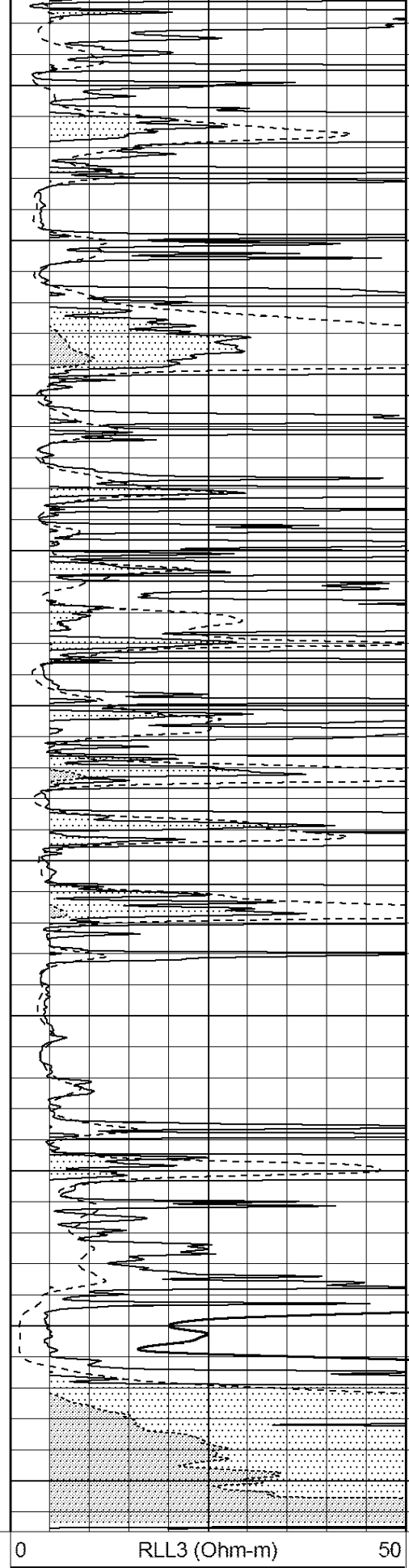
3100

3150





3200
3250
3300
3350
3400
3450
3500
3550
3600
3650



50 RILD X10 (Ohm-m) 500

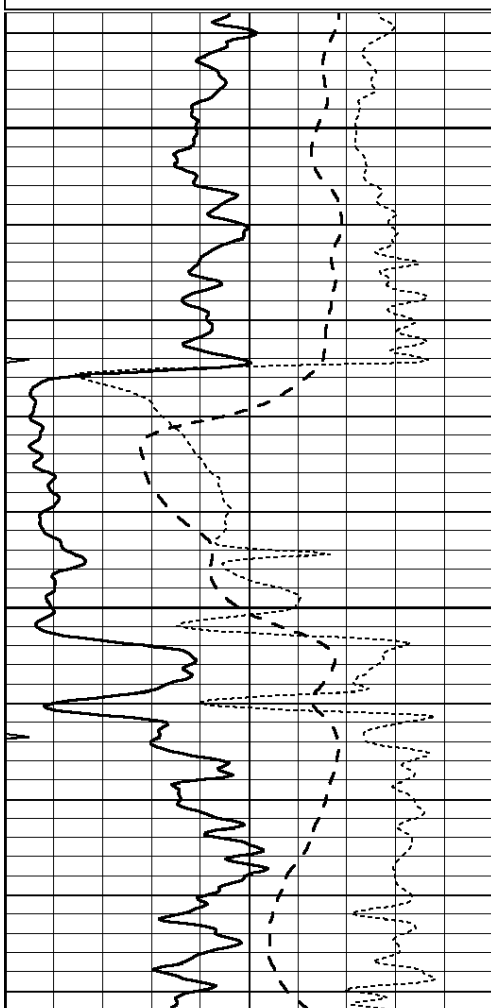
50 RLL3 X10 (Ohm-m) 500

MAIN SECTION

Database File: 24714pdr.db
 Dataset Pathname: pass4.1
 Presentation Format: _dil
 Dataset Creation: Mon Jul 28 19:20:41 2014 by Calc Open-Cased 090629
 Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

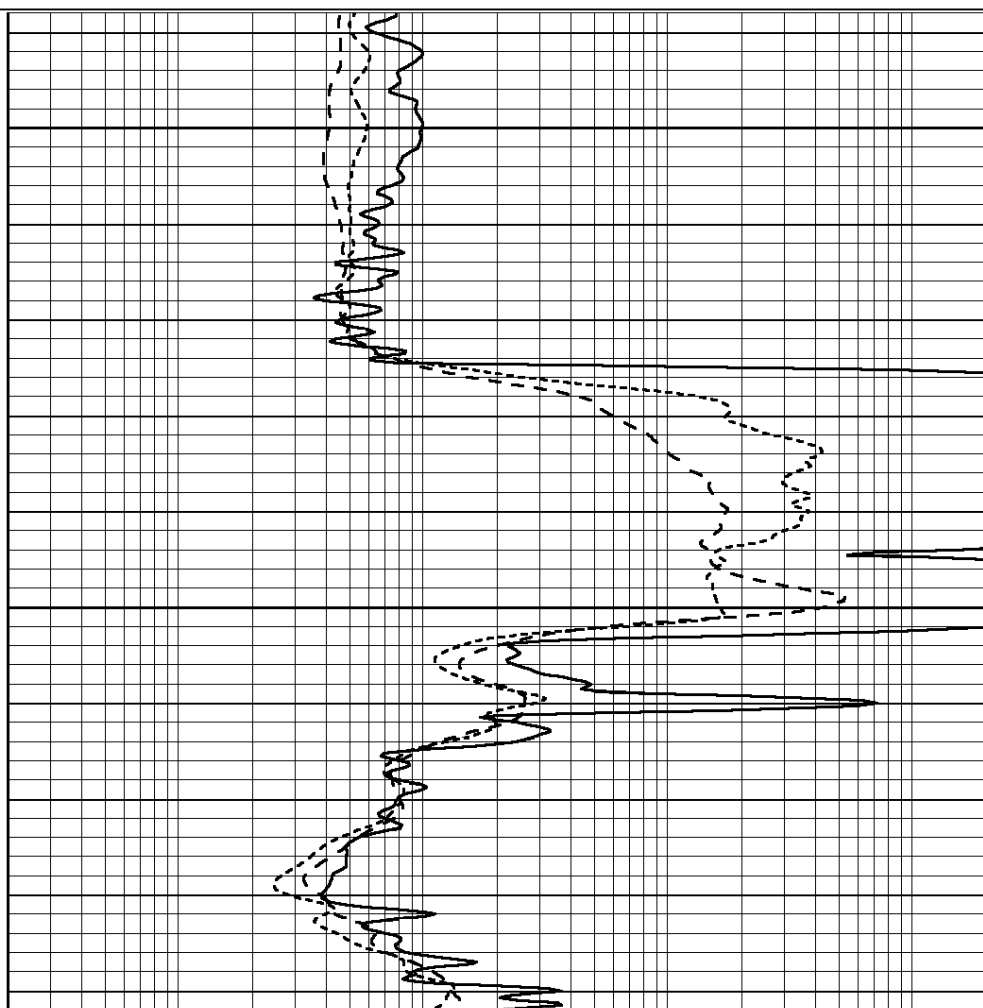
0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000



1550

1600

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

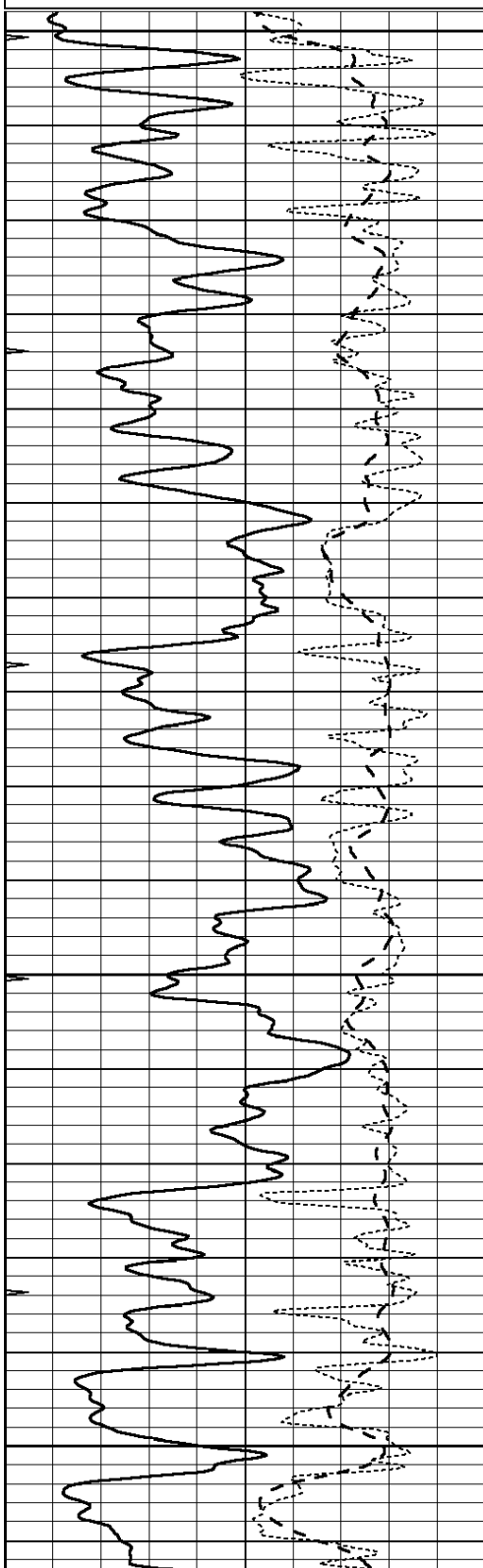


0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

Database File: 24714pdn.db
Dataset Pathname: pass4.1
Presentation Format: _dil
Dataset Creation: Mon Jul 28 19:20:41 2014 by Calc Open-Cased 090629
Charted by: Depth in Feet scaled 1:240

0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	RxoRt	50
0	MINMK	20

0.2	RLL3 (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000

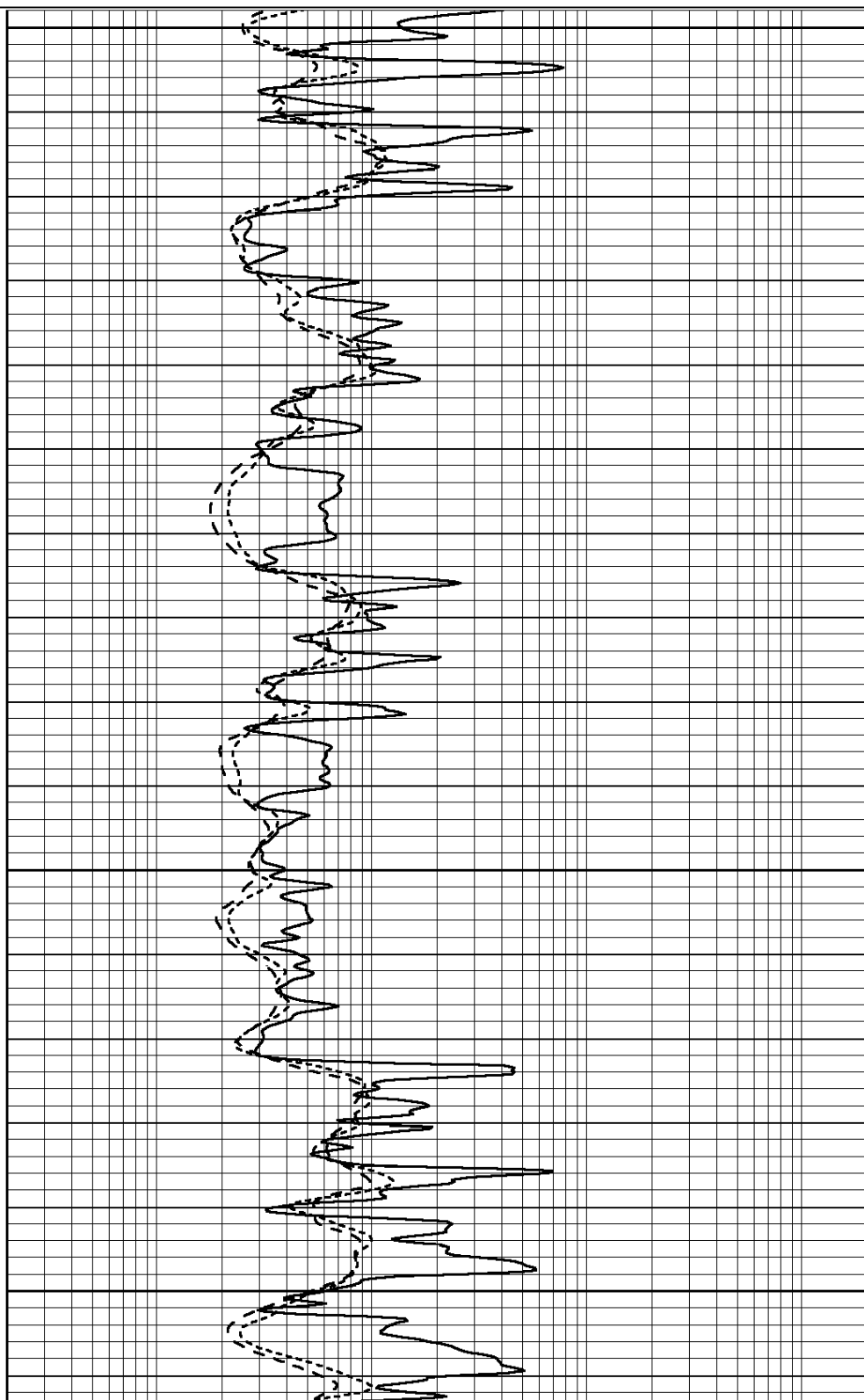


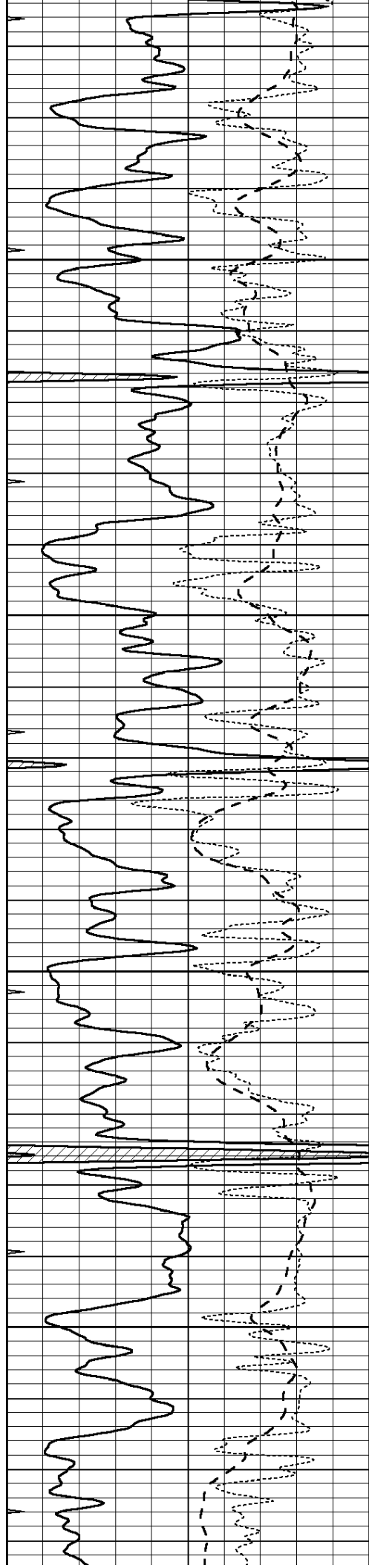
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2950

3000

3050



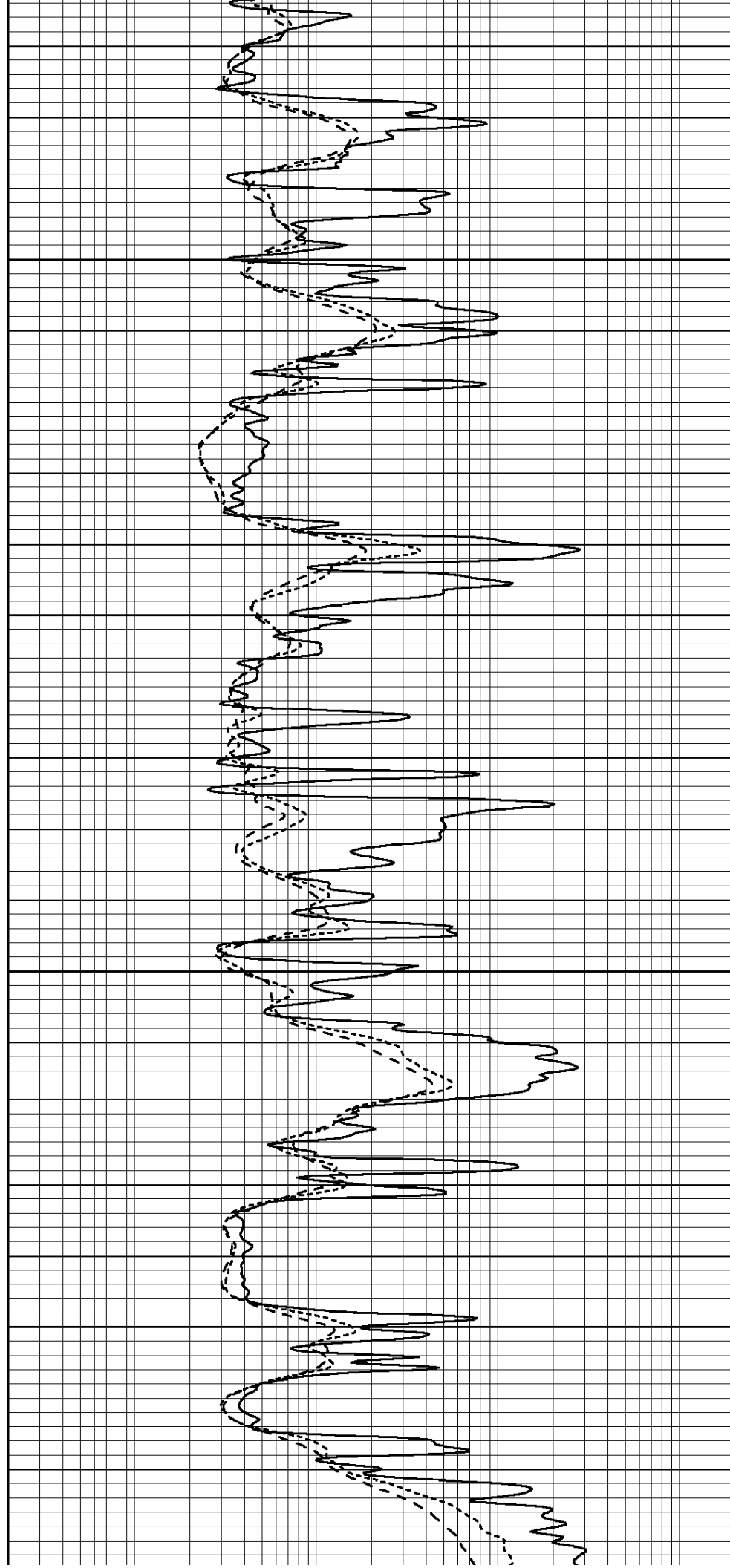


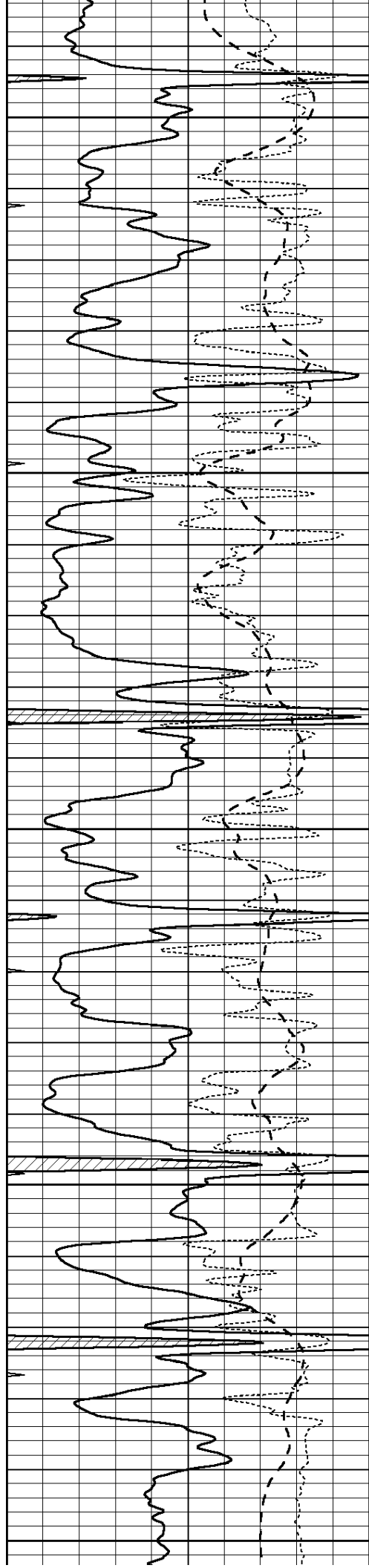
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3150

3200

3250





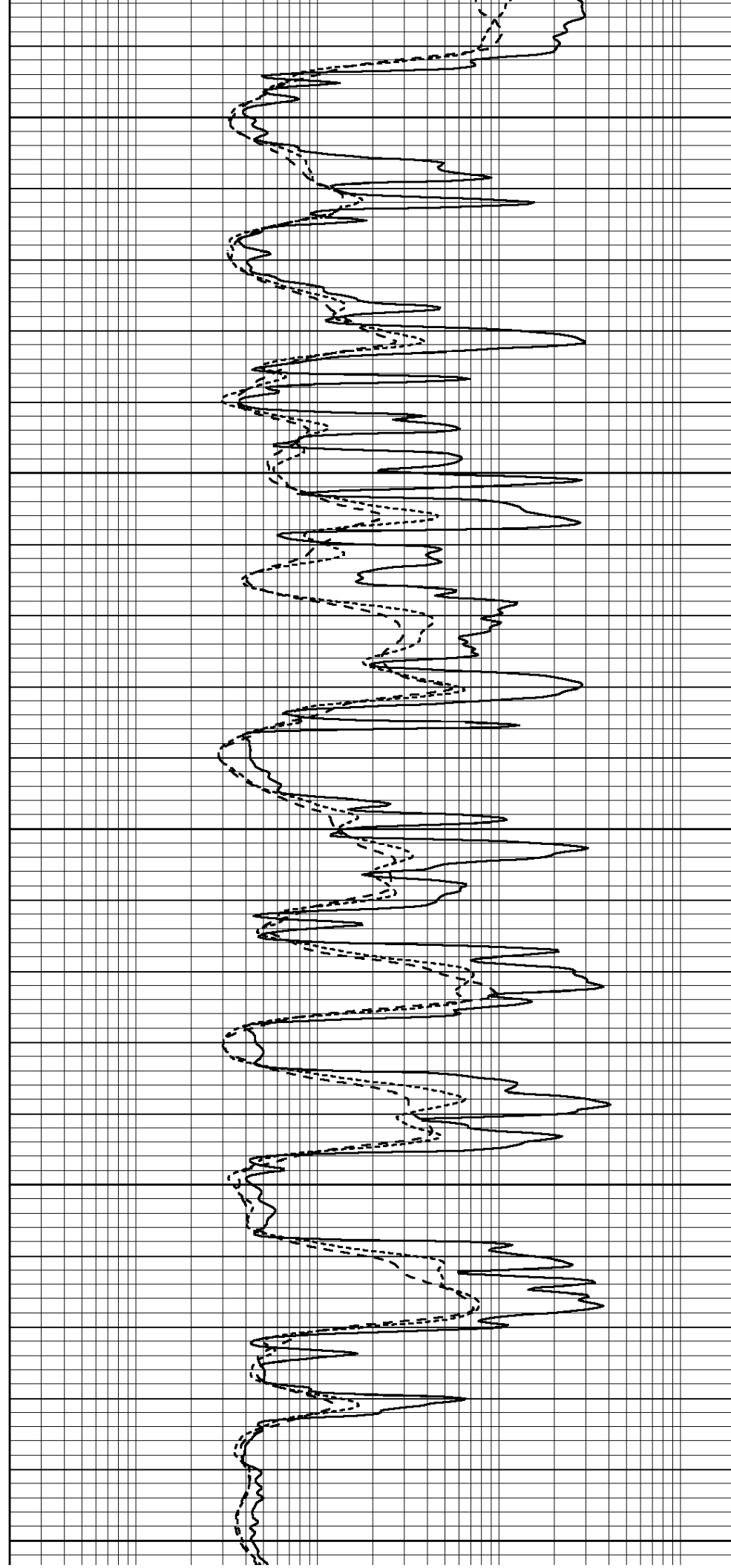
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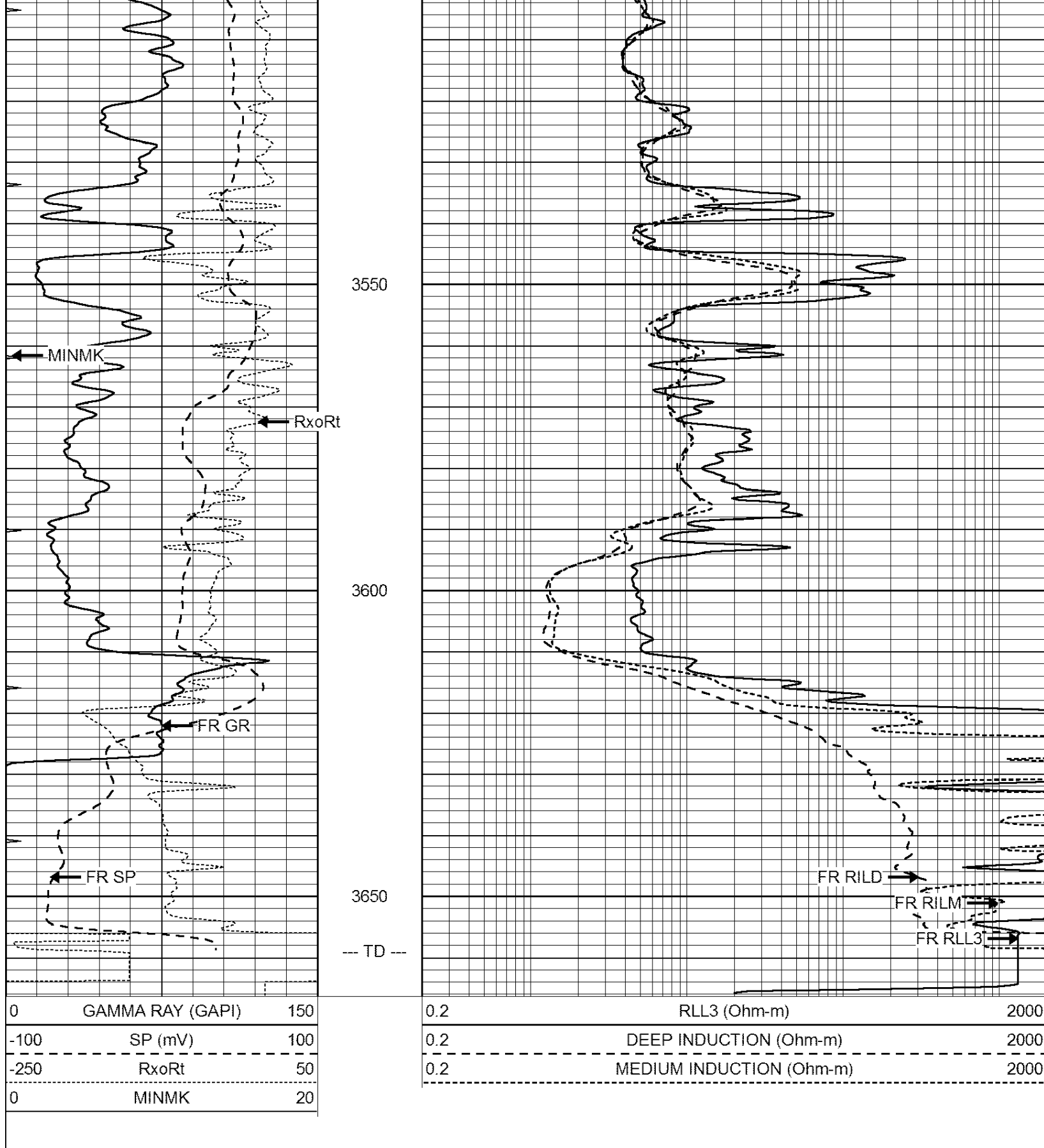
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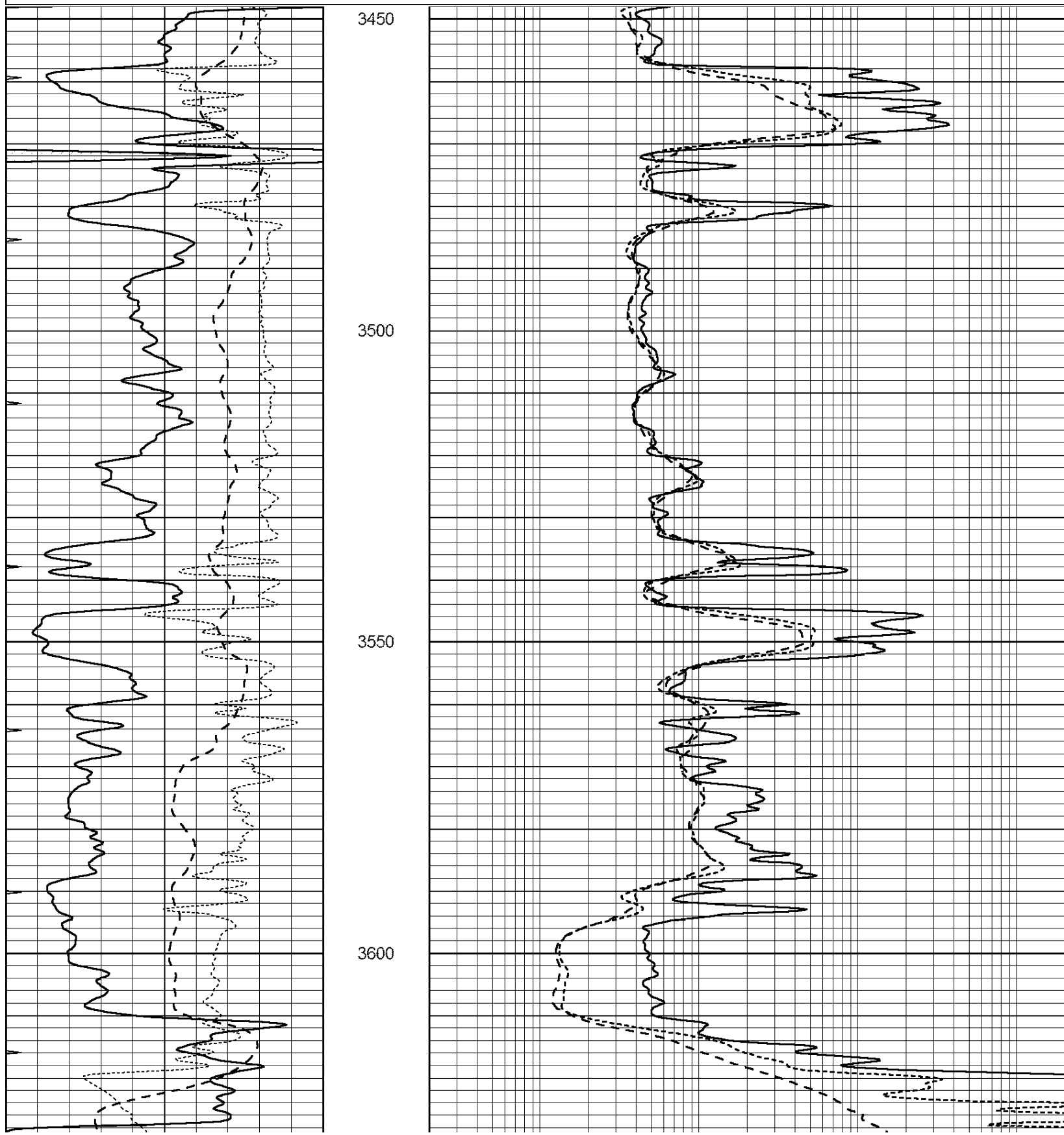
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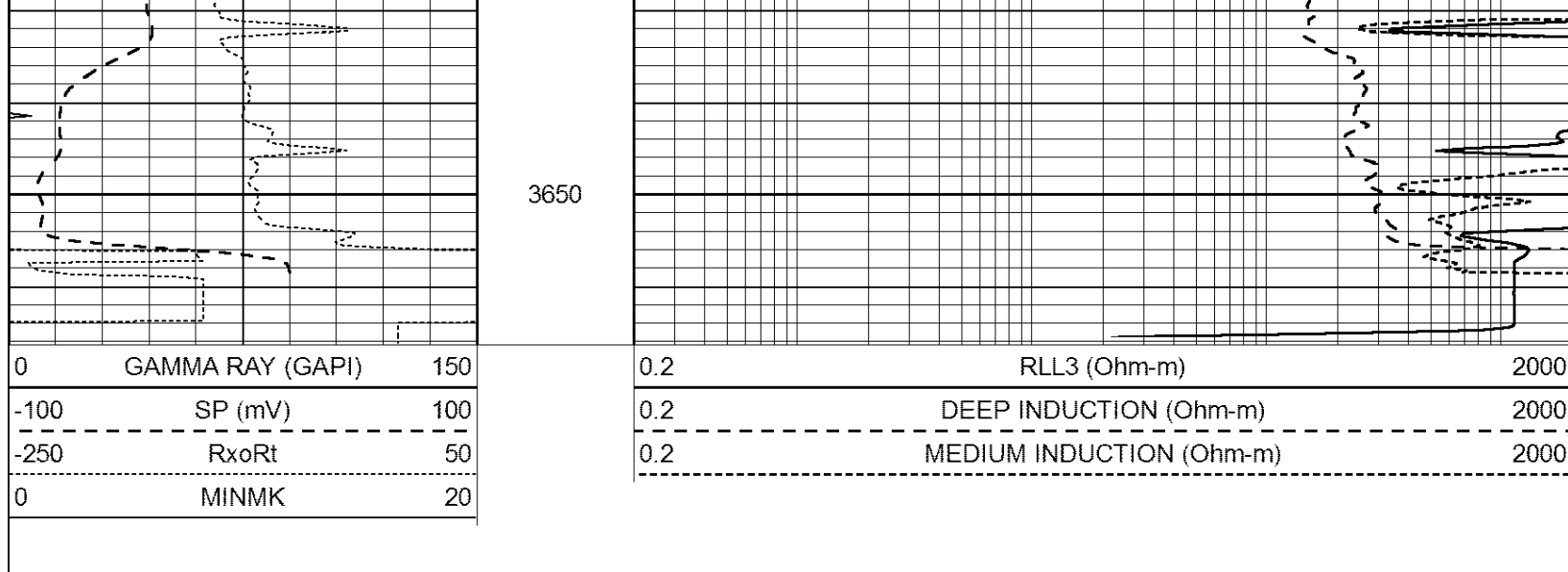
3500





0	GAMMA RAY (GAPI)	150	0.2	RLL3 (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000
-250	RxoRt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
0	MINMK	20			





Calibration Report								
Database File:		24714pdn.db						
Dataset Pathname:		pass4.1						
Dataset Creation:		Mon Jul 28 19:20:41 2014 by Calc Open-Cased 090629						
Dual Induction Calibration Report								
Serial-Model:		PROBE7-DILG						
Surface Cal Performed:		Mon Jul 28 19:11:33 2014						
Downhole Cal Performed:		Sat Jan 19 19:51:38 2013						
After Survey Verification Performed:		Sat Jan 19 19:51:38 2013						
Surface Calibration								
		Readings			References		Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.793	0.790	V	0.000	400.000	mmho/m	550.000	18.000
Medium	0.992	1.002	V	0.000	464.000	mmho/m	580.000	-24.000
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.041	0.642	V	0.000	400.000	mmho/m	664.874	-27.011
Medium	0.035	0.802	V	0.000	464.000	mmho/m	604.936	-21.367
Downhole Calibration								
		Readings			References		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	135384.000	27094.500	mmho/m	135400.000	27082.400	mmho/m	1.000	-19.259
Medium	-47330.100	-9381.740	mmho/m	-47327.100	-9389.280	mmho/m	1.000	-10.154
LL3		7.322	V		1400.000	Ohm-m		
		0.038	V		20.000	Ohm-m		
		-7.273	V		4000.000	mmho-m		
After Survey Verification								
		Readings			Targets		Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	135384.000	27094.500	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	-47330.100	-9381.740	mmho/m	1.000	0.000
LL3		0.000	Ohm-m		1400.000	Ohm-m		
		0.000	Ohm-m		20.000	Ohm-m		
		0.000	mmho-m		4000.000	mmho-m		

Master Calibration		Performed Mon Jun 09 14:46:25 2014			
	Background	Magnesium	Aluminum	Sandstone	
Window 1	1833.3	8239.1	3179.3	9365.4	cps
Window 2	1708.4	7189.1	2862.8	8058.6	cps
Window 3	1391.6	4030.0	1937.3	4384.2	cps
Window 4	414.3	417.6	417.2	416.2	cps
Long Space	0.0	5480.6	1154.3	6350.2	cps
Short Space	3.1	1831.8	1190.6	2030.8	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe		0.0000	2.5700	1.5500	
Rib Angle	: 44.5	Rib Slope	: 0.984	Density/Spine Ratio	: 0.544
Spine Angle	: 74.5	Spine Slope	: 3.615	Spine Intercept	: -18.6

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:	080620
Tool Model:	Probe

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: 46001
 Tool Model: Probe1
 Performed: Mon Jul 28 19:09:56 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 0.2300 GAPI/cps