

DUAL
INDUCTION
LOG

Company	DIXON OPERATING, COMPANY, LLC.		
Well	SISLER #1-34		
Field	MIKES METEOR		
County	STAFFORD	State	KANSAS
Location:	API #: 15-185-24009-0000		Other Services CDL/CNL/PE MEL
SEC 34 TWP 22S RGE 12W		Elevation	
Permanent Datum	GROUND LEVEL	Elevation	1832
Log Measured From	KELLY BUSHING 11' A.G.L	D.F.	1841
Drilling Measured From	KELLY BUSHING	G.L.	1832

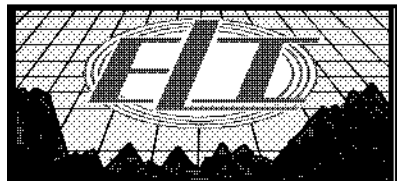
Date	3/2/18	
Run Number	ONE	
Depth Driller	3800	
Depth Logger	3800	
Bottom Logged Interval	3798	
Top Log Interval	00	
Casing Driller	8 5/8" @ 308	
Casing Logger	306	
Bit Size	7 7/8	
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES 8500 PPM
Density / Viscosity	9.4/69	
pH / Fluid Loss	10.5/9.6	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	.65 @ 75F	
Rmf @ Meas. Temp	.48 @ 75F	
Rmc @ Meas. Temp	.78 @ 75F	
Source of Rmf / Rmc	MEASUREMENT	
Rm @ BHT	.42 @ 114F	
Time Circulation Stopped	2 HOURS	
Time Logger on Bottom		
Maximum Recorded Temperature	114F	
Equipment Number	3802	
Location	HAYS, KANSAS	
Recorded By	JASON CAPPELLUCCI	
Witnessed By	CHUCK SCHMALTZ	

>>> 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

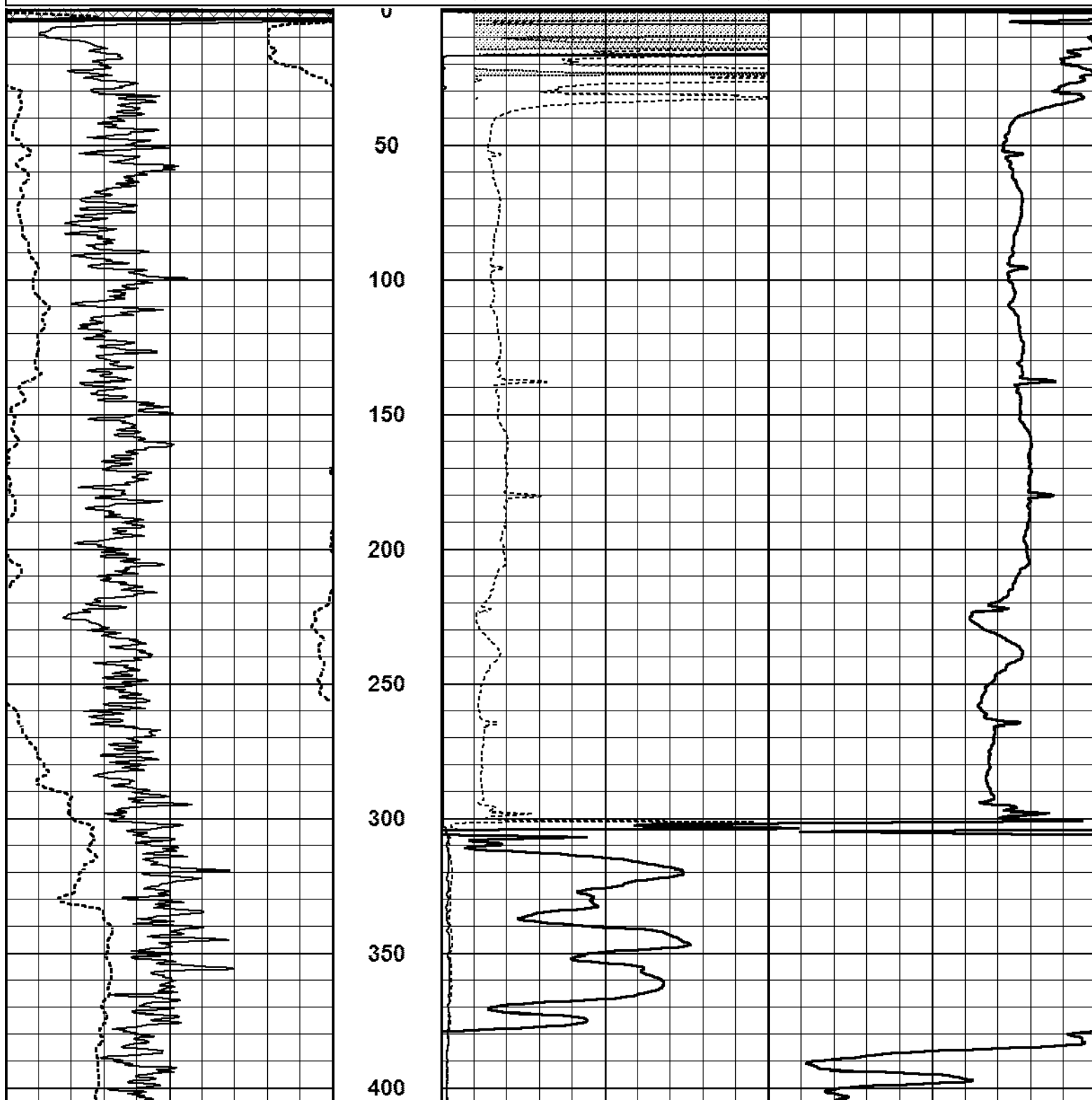
THANK YOU FOR USING ELI WIRELINE SERVICES, HAYS, KS. (785) 628-6395
DIRECTIONS
HUDSON, KS. - 2 EAST - 1/8 MILE SOUTH - WEST INTO

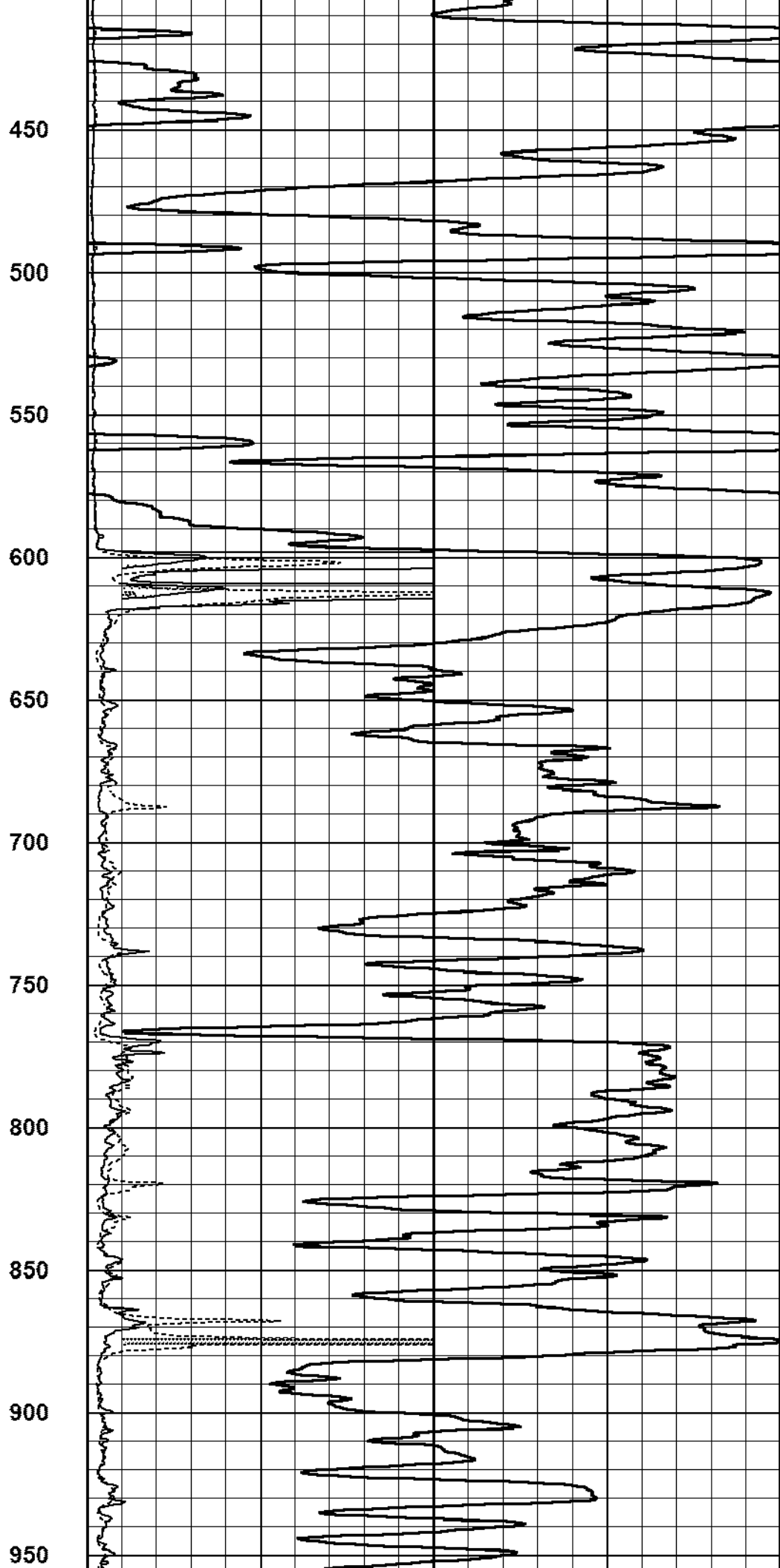
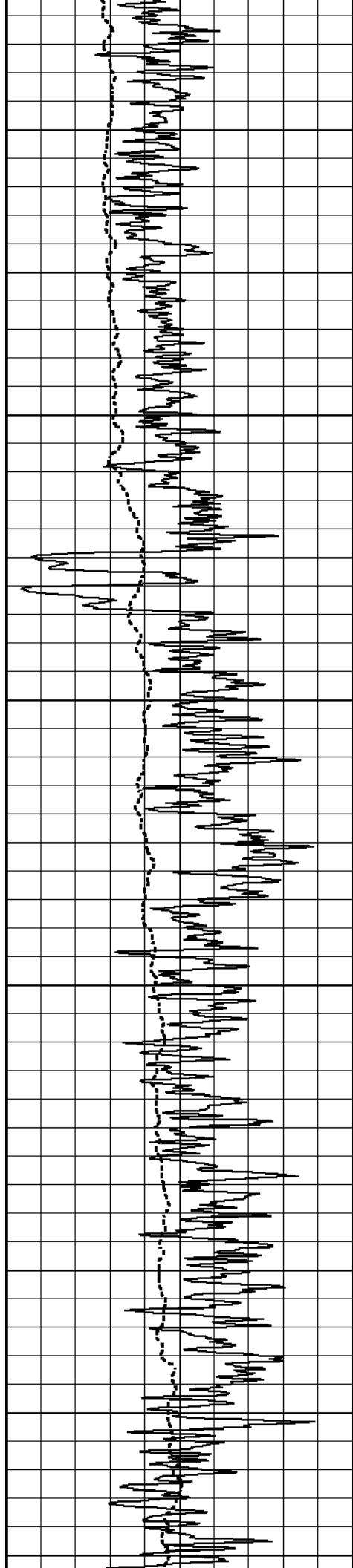


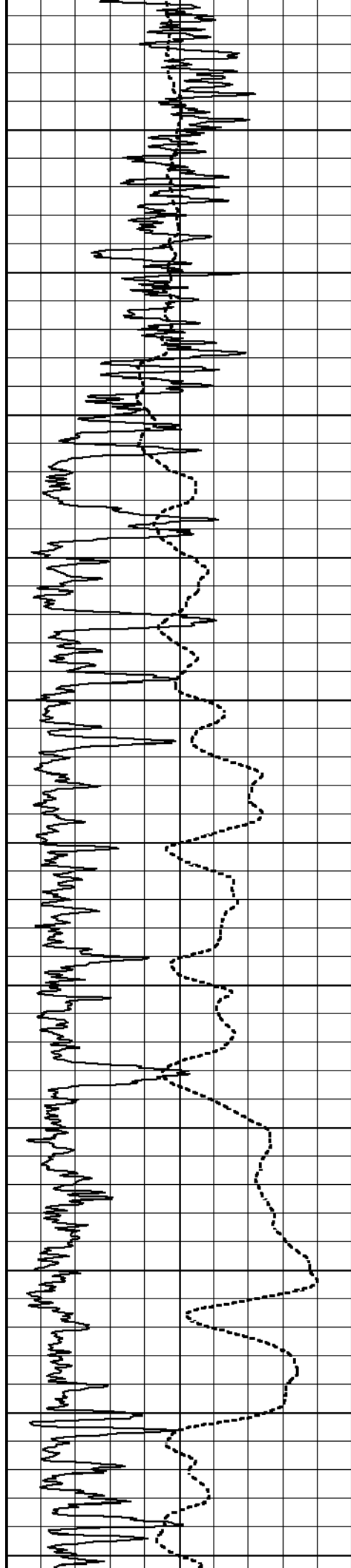
MAIN SECTION

Database File	2367pe8.db
Dataset Pathname	pass3.3
Presentation Format	_dil2
Dataset Creation	Fri Mar 02 16:16:33 2018
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	Deep Induction (Ohm-m)	50
			50	RILD X10 (Ohm-m)	500
			50	RLL3 X10 (Ohm-m)	500







1000

1050

1100

1150

1200

1250

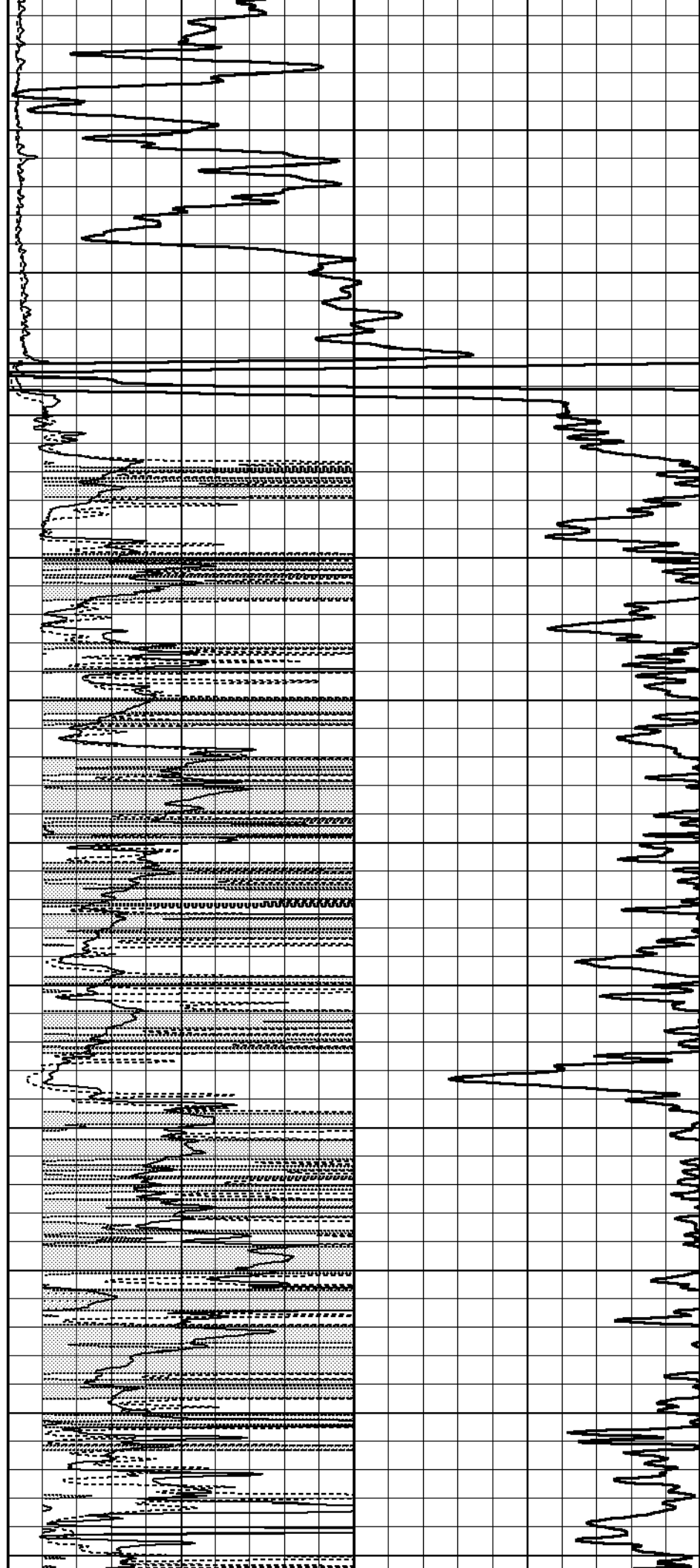
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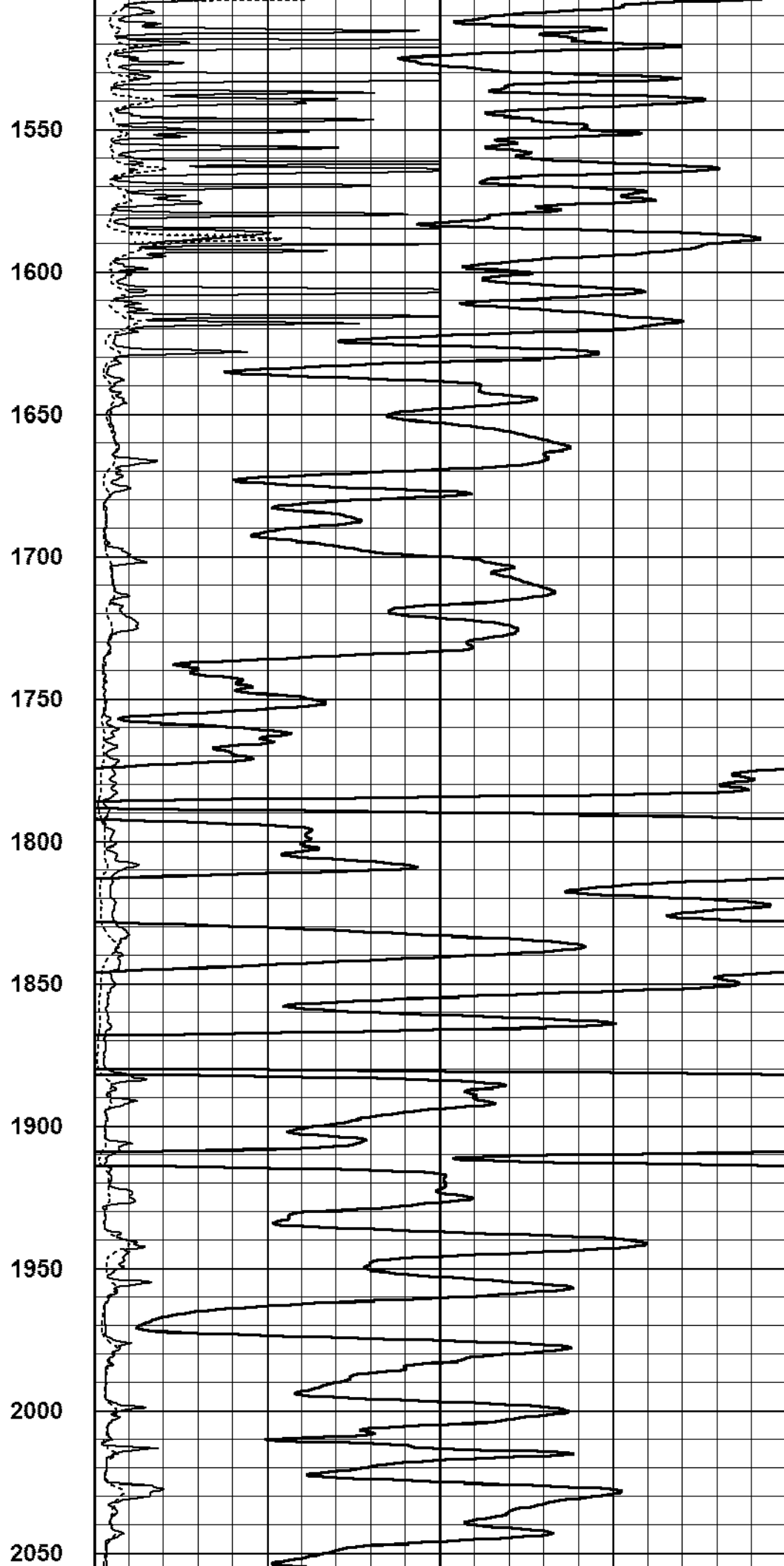
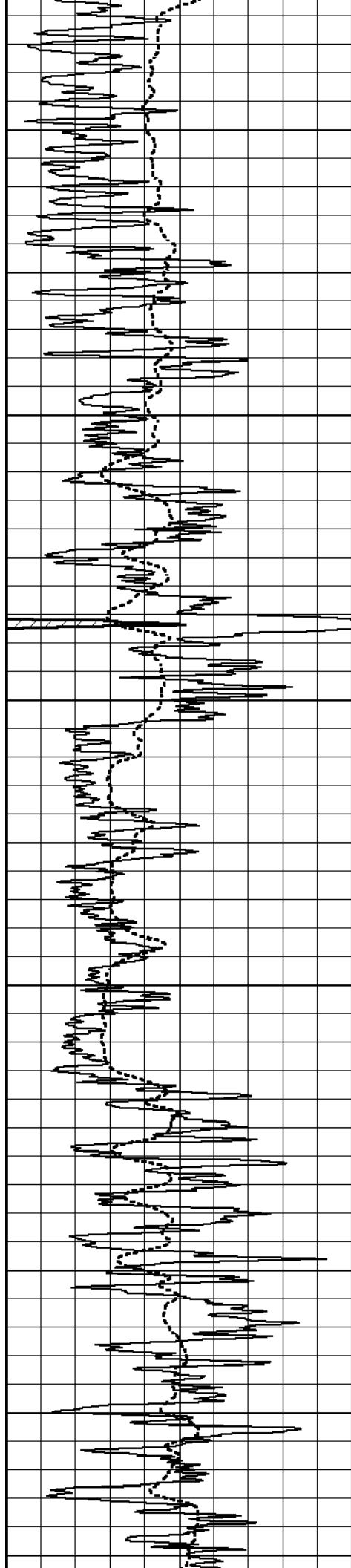
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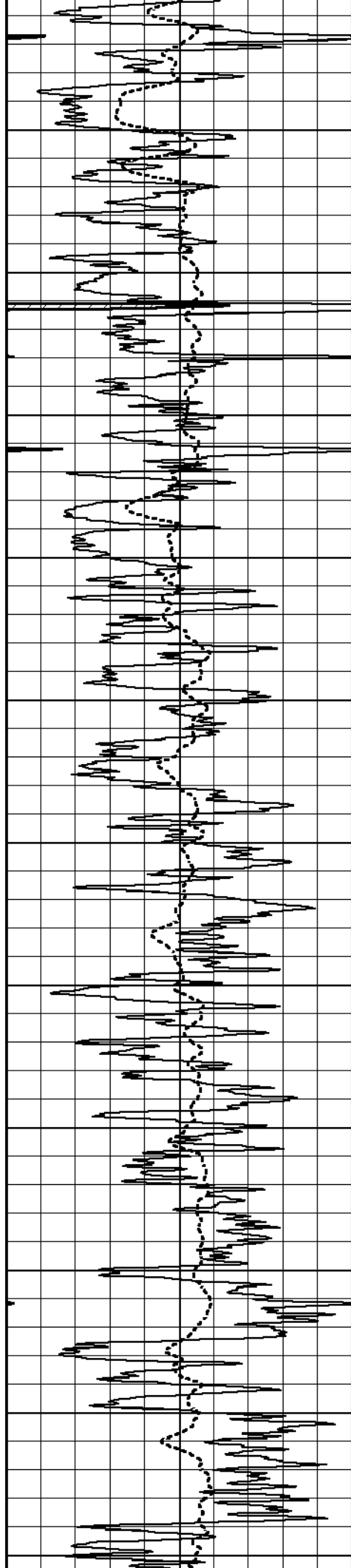
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1450

1500







2100

2150

2200

2250

2300

2350

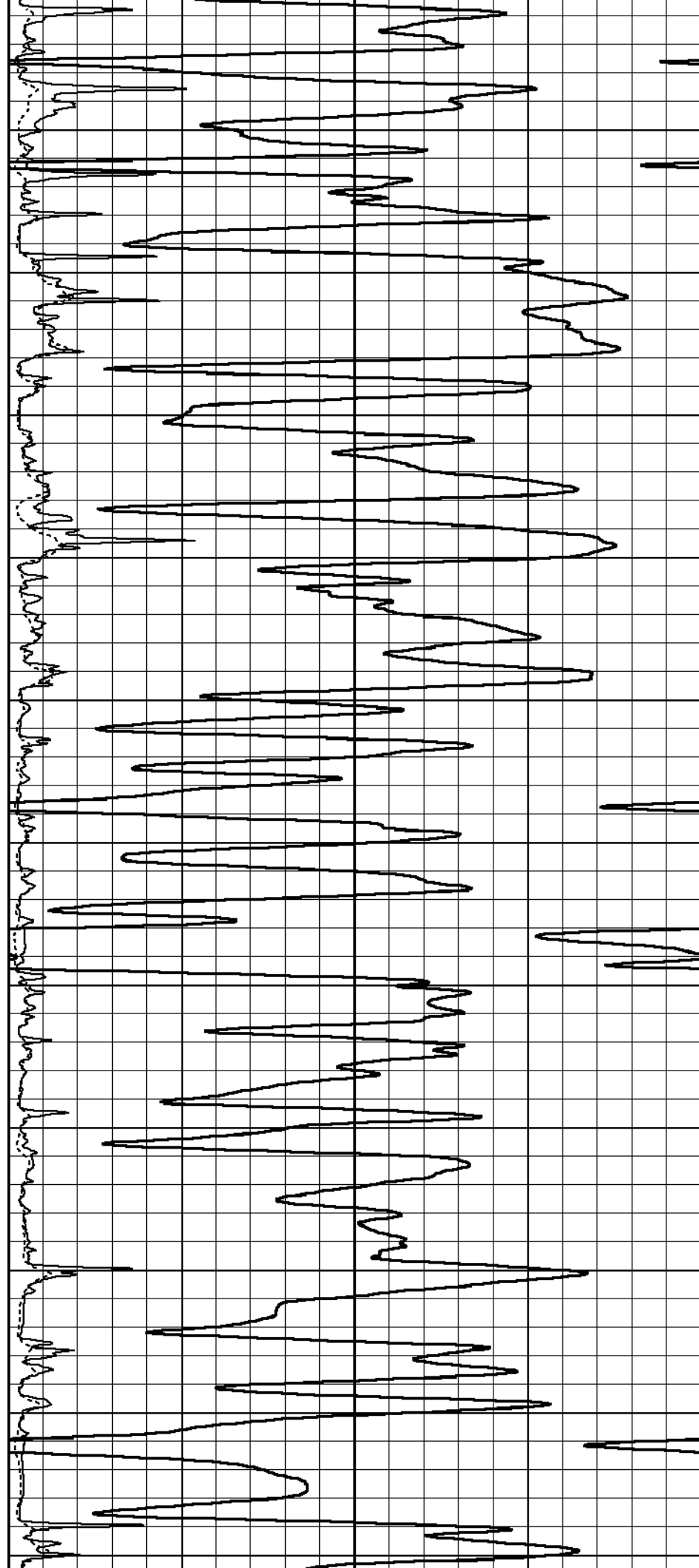
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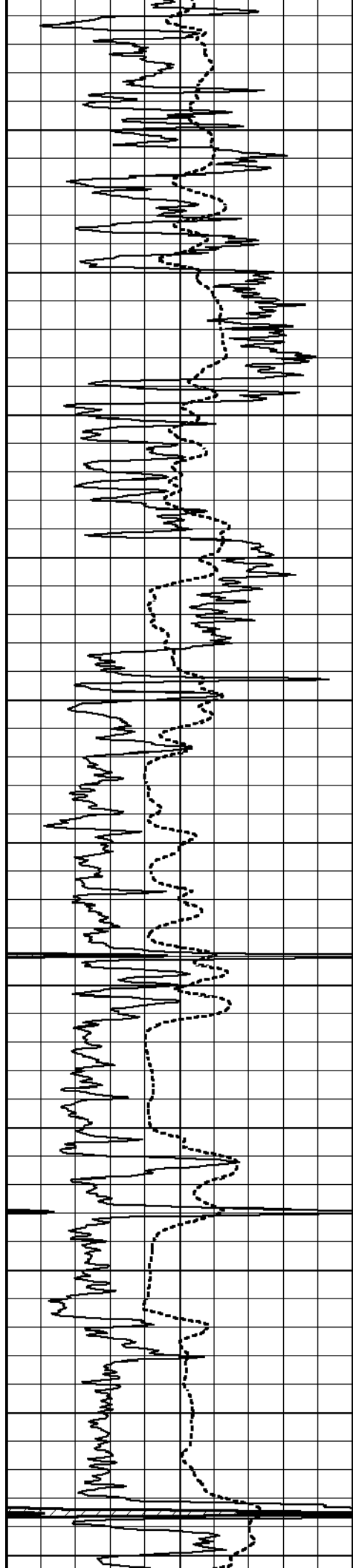
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2500

2550

2600





2650

2700

2750

2800

2850

2900

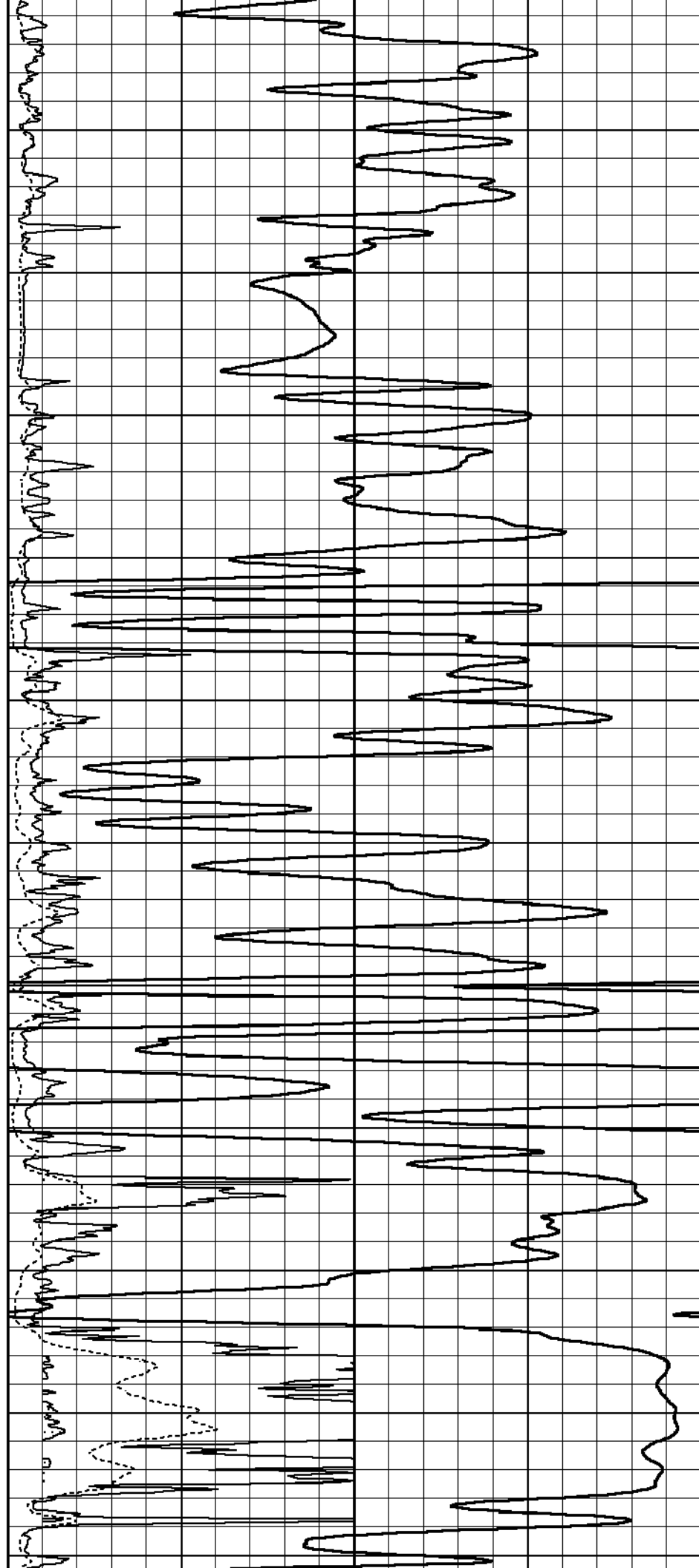
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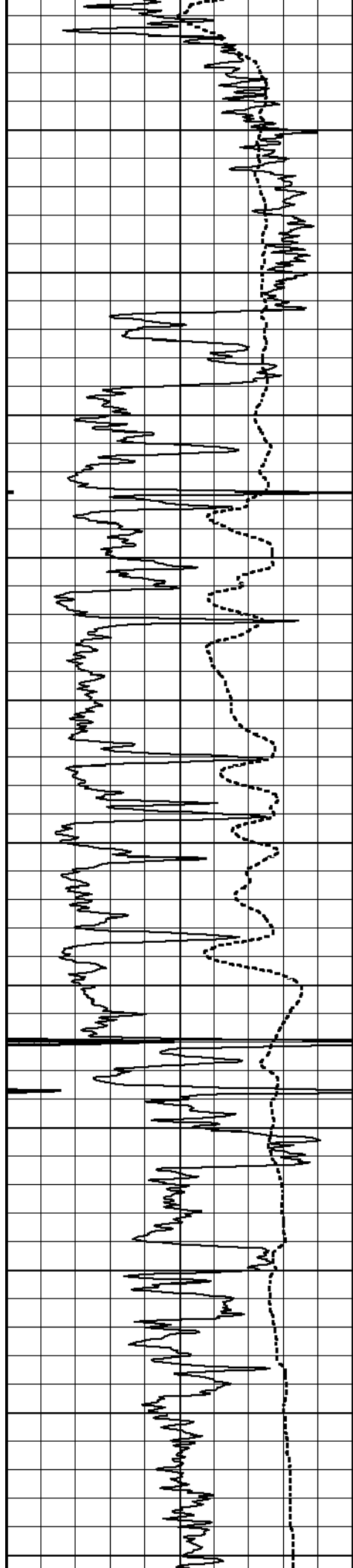
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3050

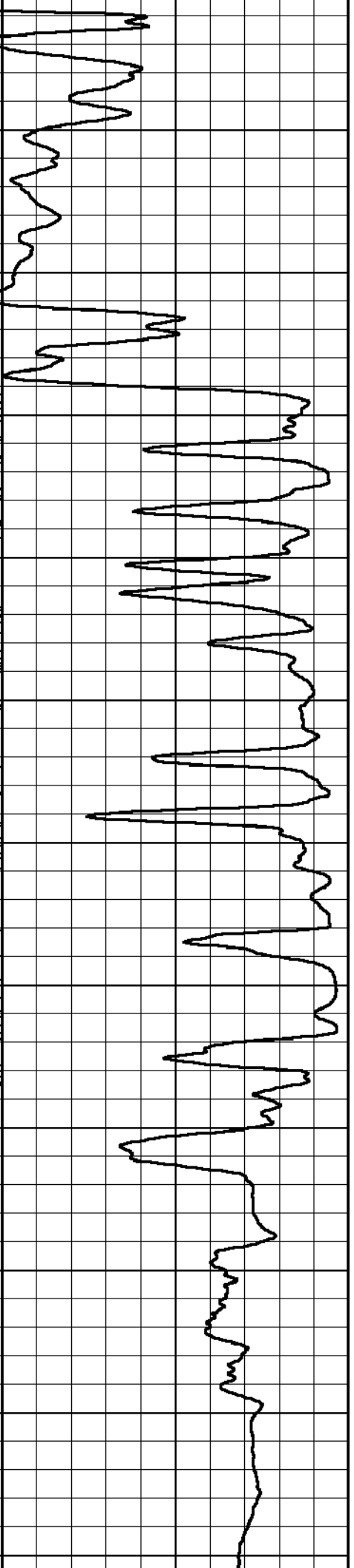
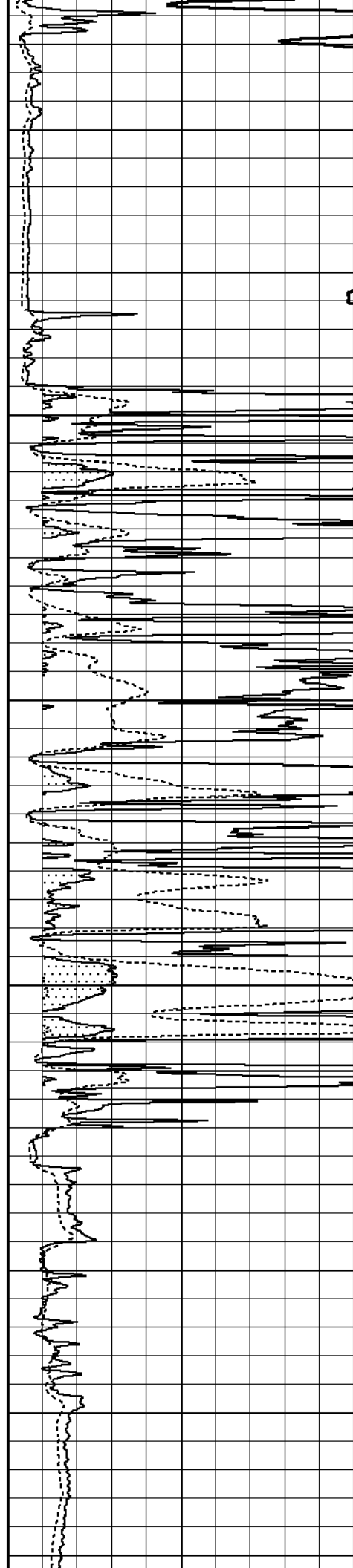
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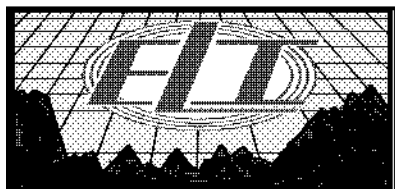
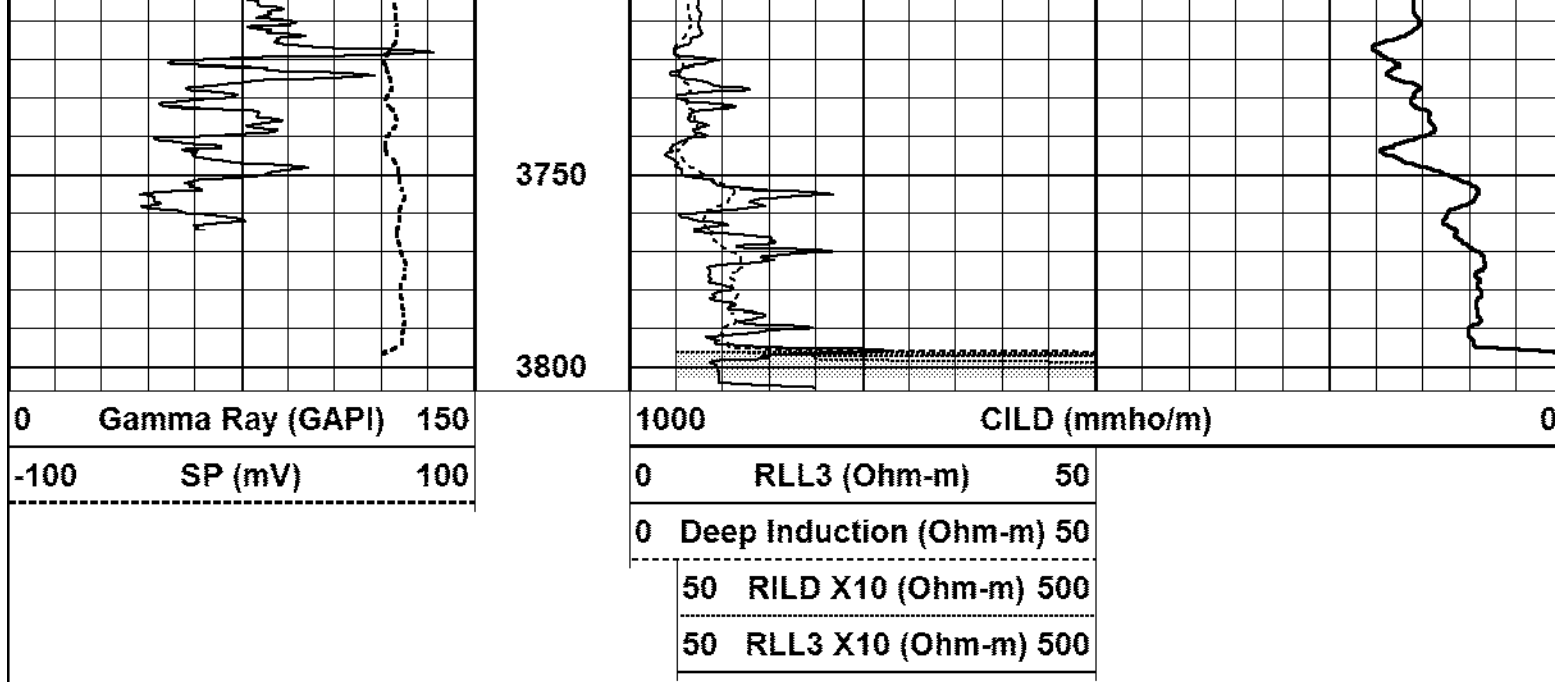
3150





3200
3250
3300
3350
3400
3450
3500
3550
3600
3650
3700

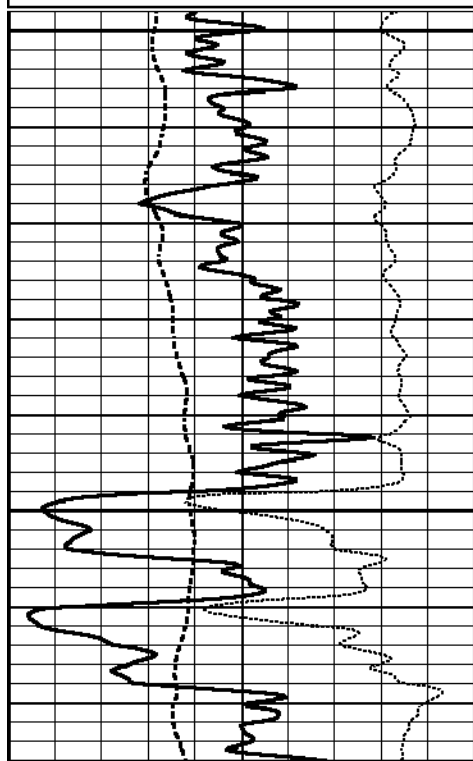




ANHYDRITE

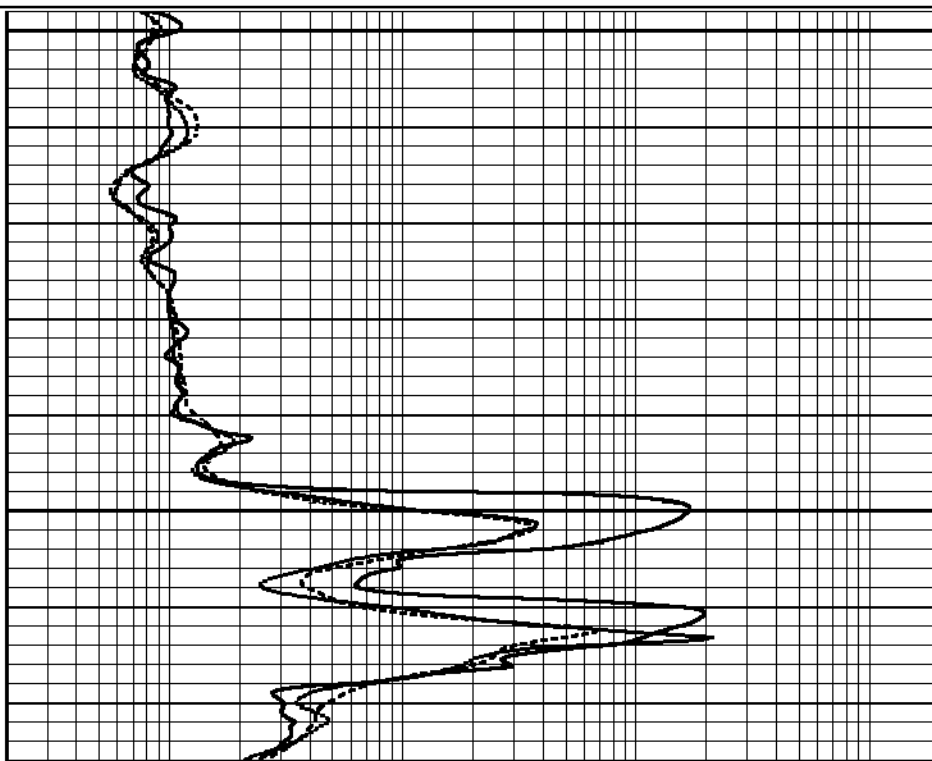
Database File 2367pe8.db
 Dataset Pathname pass3.2
 Presentation Format _dil
 Dataset Creation Fri Mar 02 15:52:09 2018
 Charted by Depth in Feet scaled 1:240

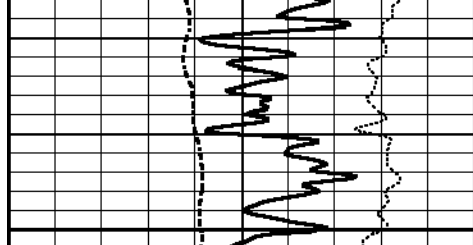
0	GAMMA RAY (GAPI)	150	0.2	SHALLOW GUARD (Ohm-m)	2000
-250	Rxo/Rt	50	0.2	MEDIUM INDUCTION (Ohm-m)	2000
-100	SP (mV)	100	0.2	DEEP INDUCTION (Ohm-m)	2000



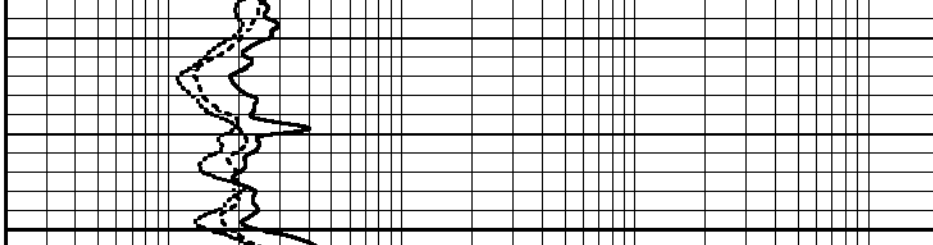
550

600



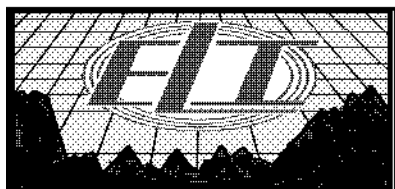


650



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

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

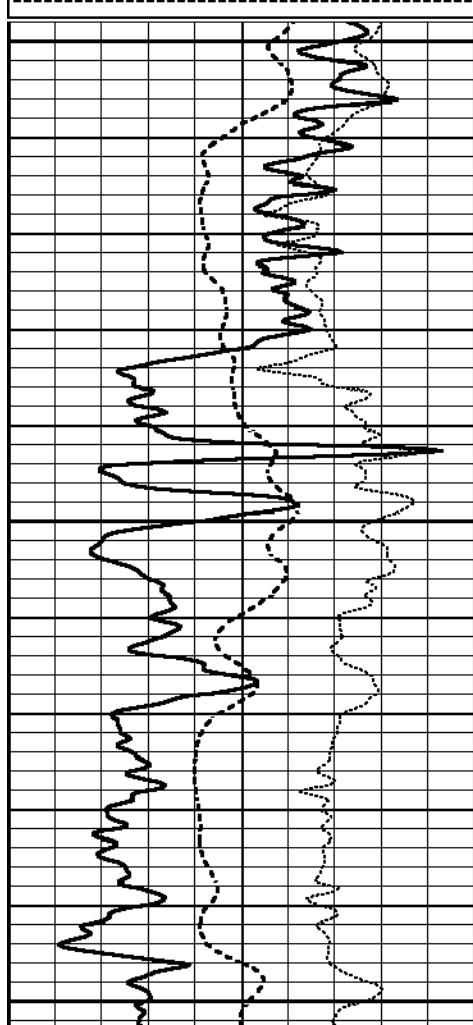


MAIN SECTION

Database File 2367pe8.db
 Dataset Pathname pass3.1
 Presentation Format _dil
 Dataset Creation Fri Mar 02 15:34:14 2018
 Charted by Depth in Feet scaled 1:240

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

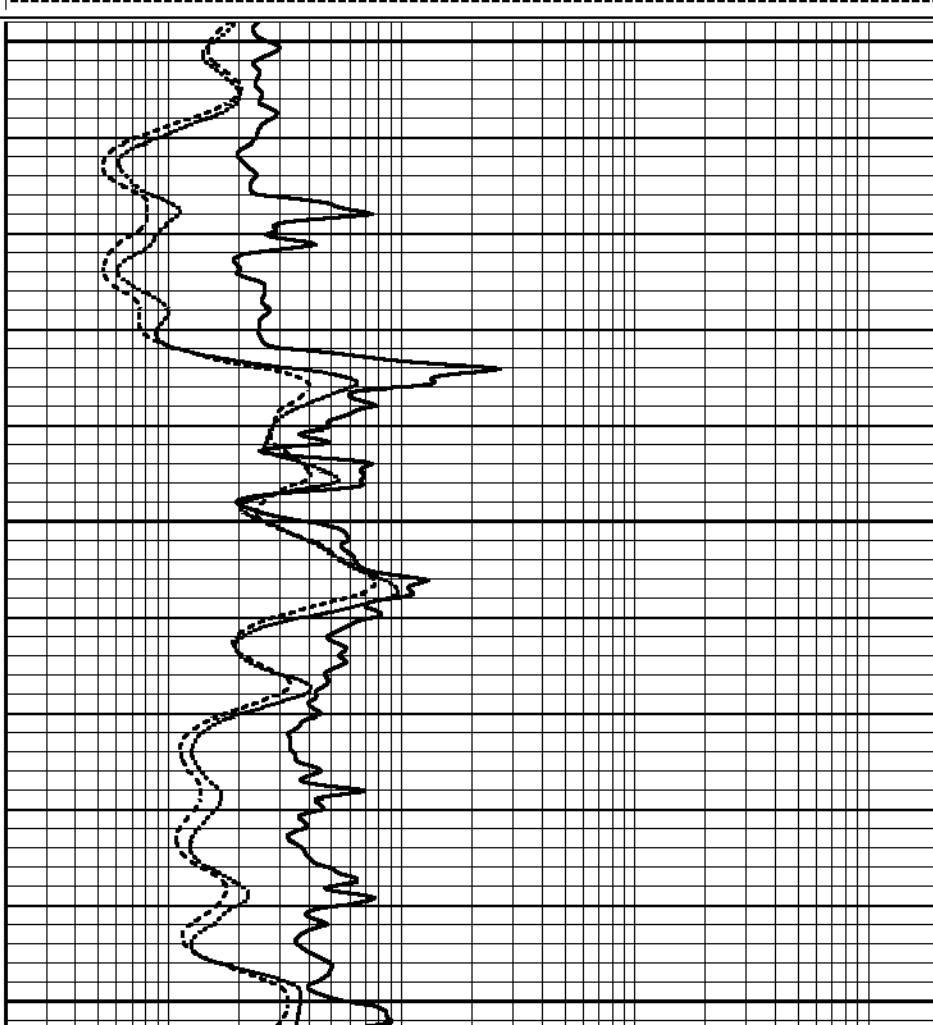
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

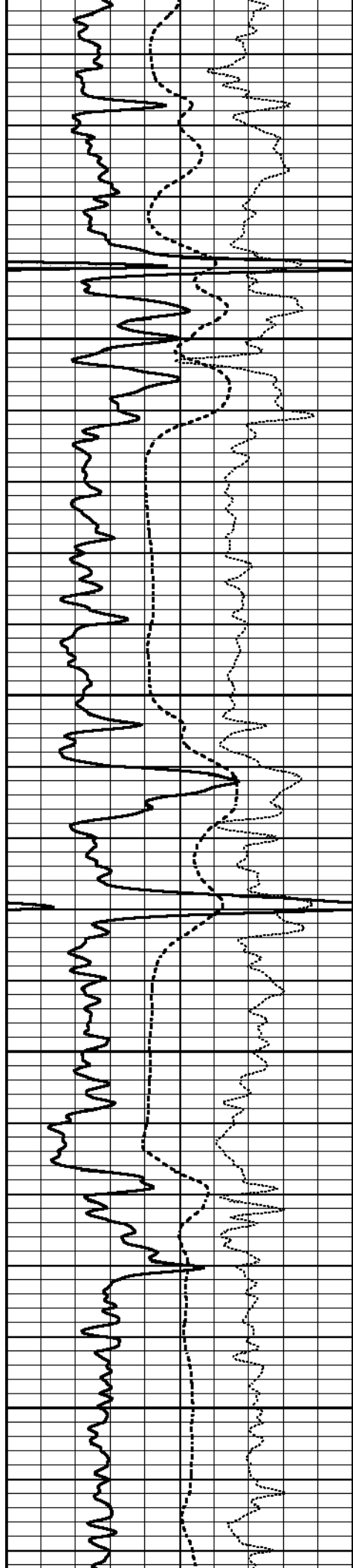


2800

2850

2900



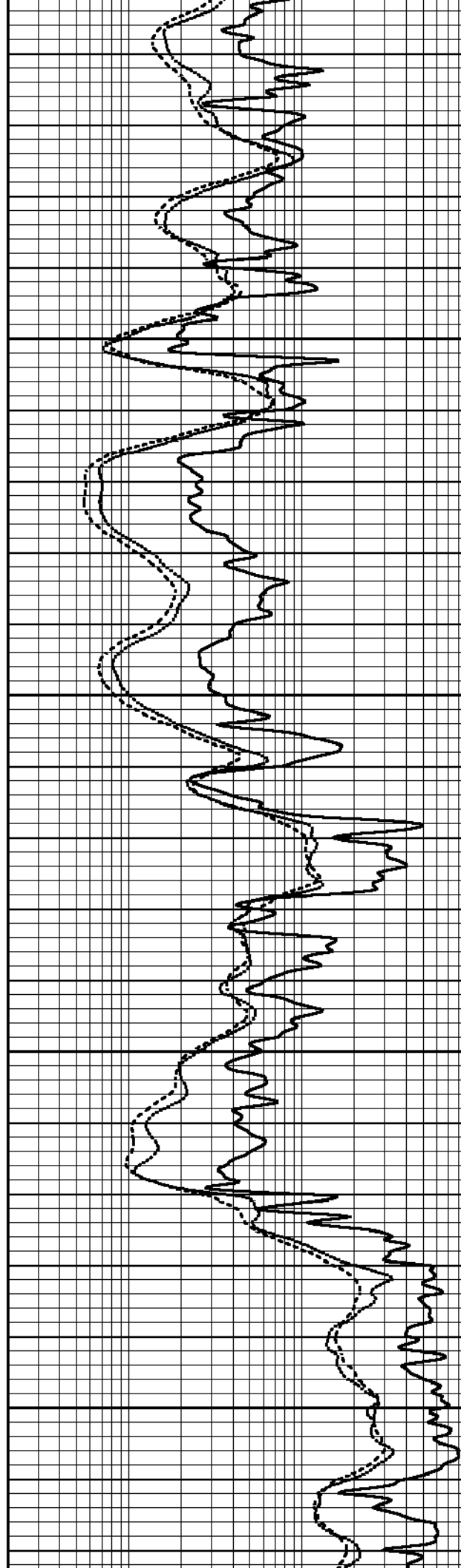


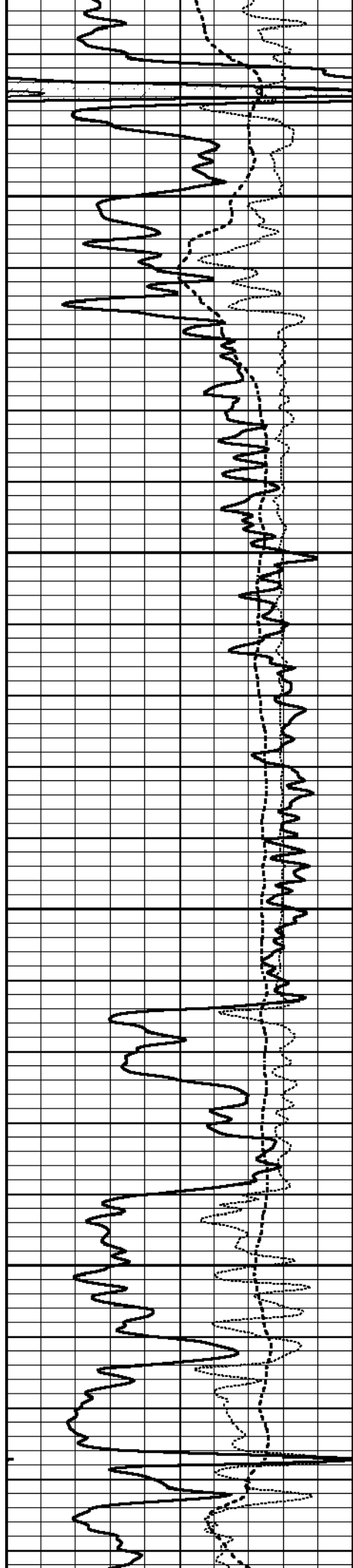
2950

3000

3050

3100



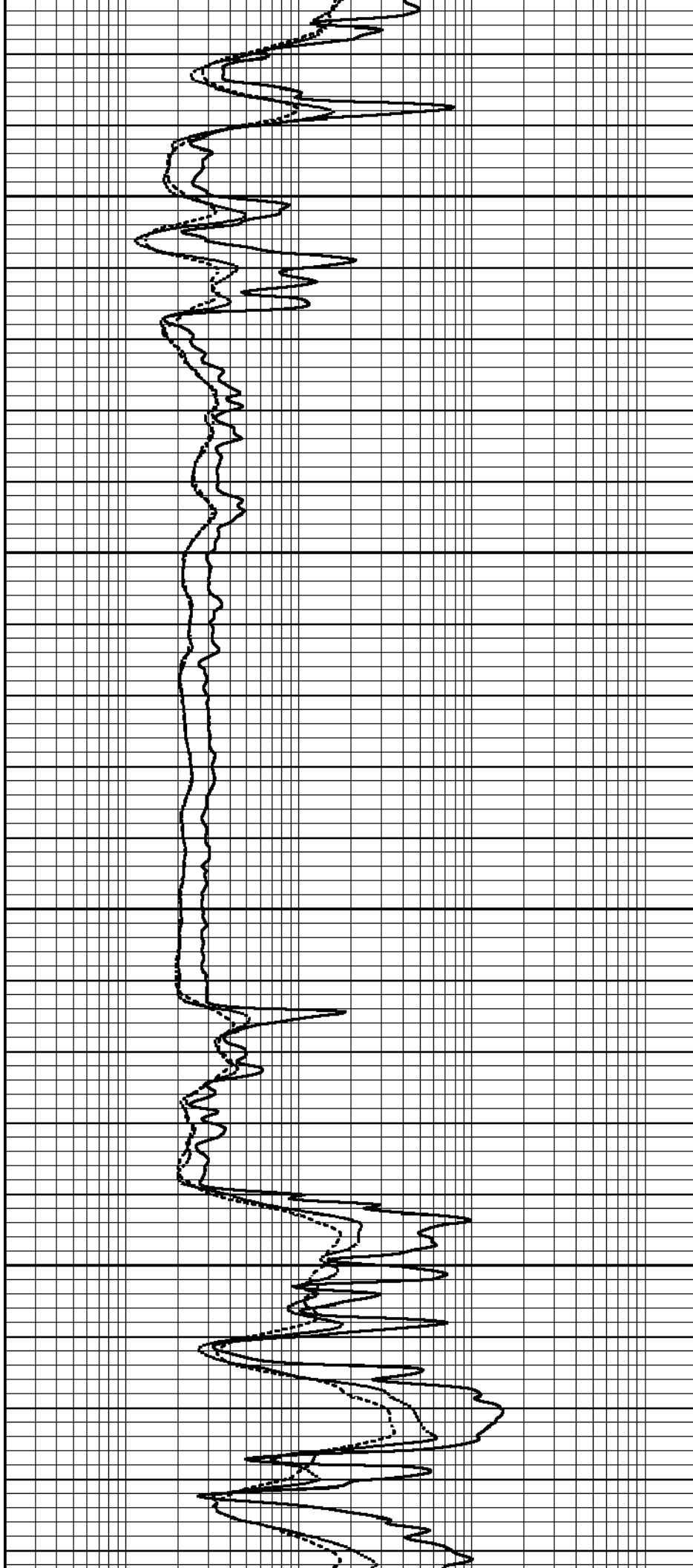


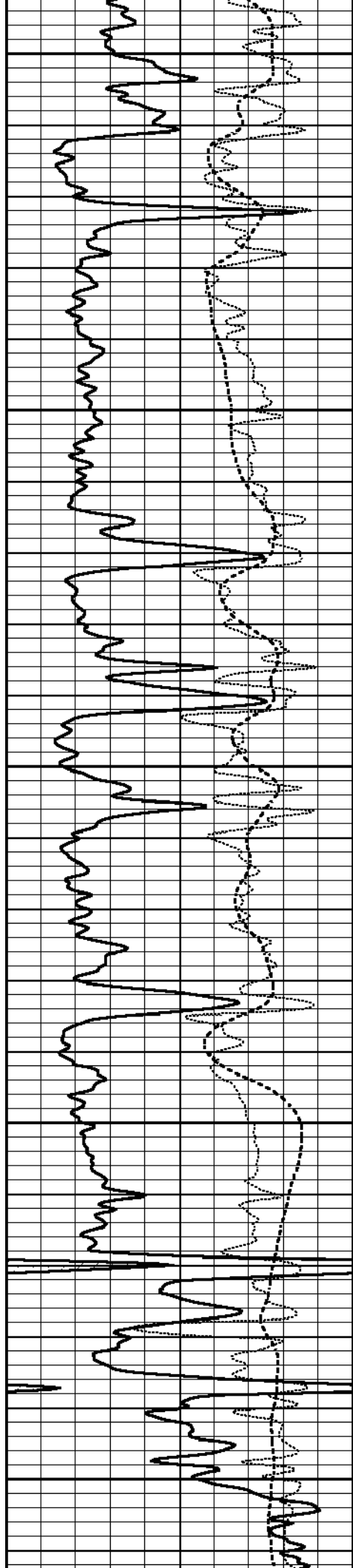
3150

3200

3250

3300





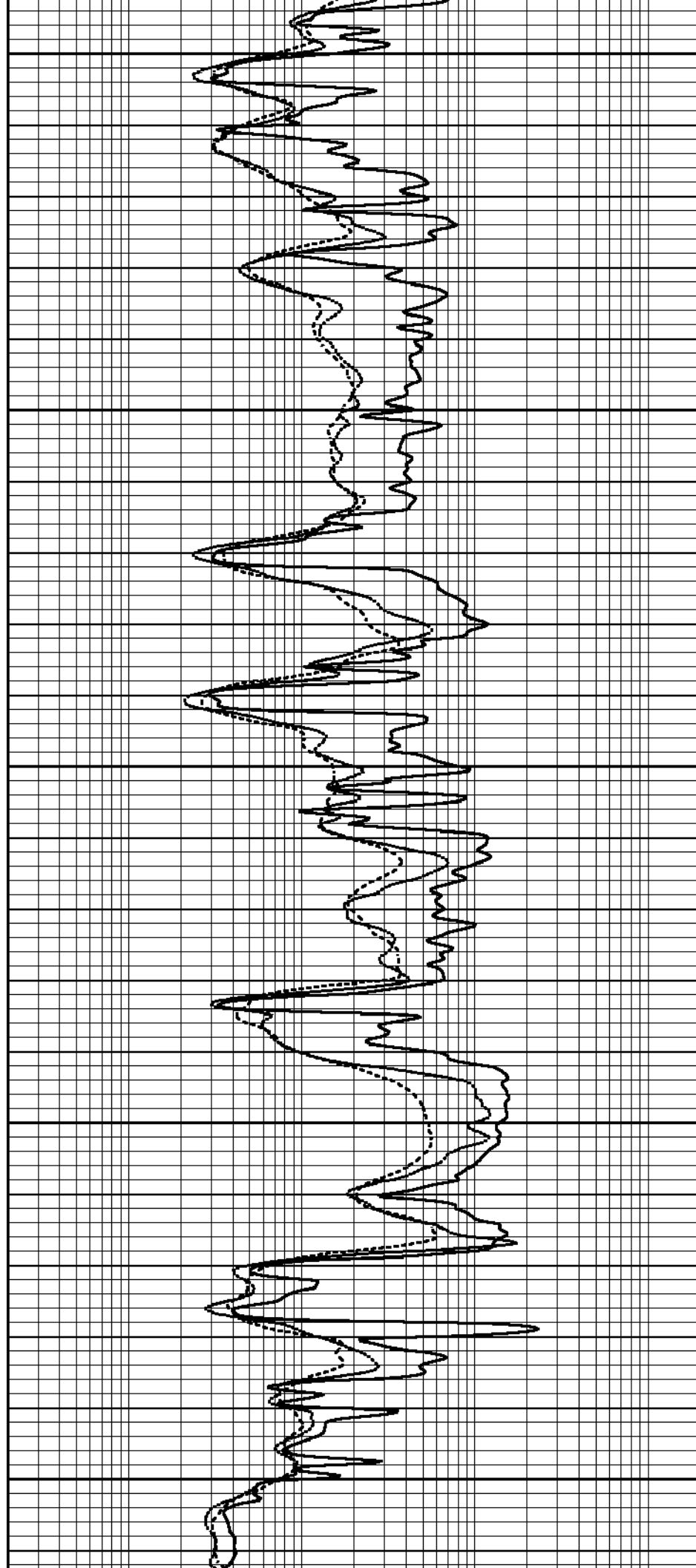
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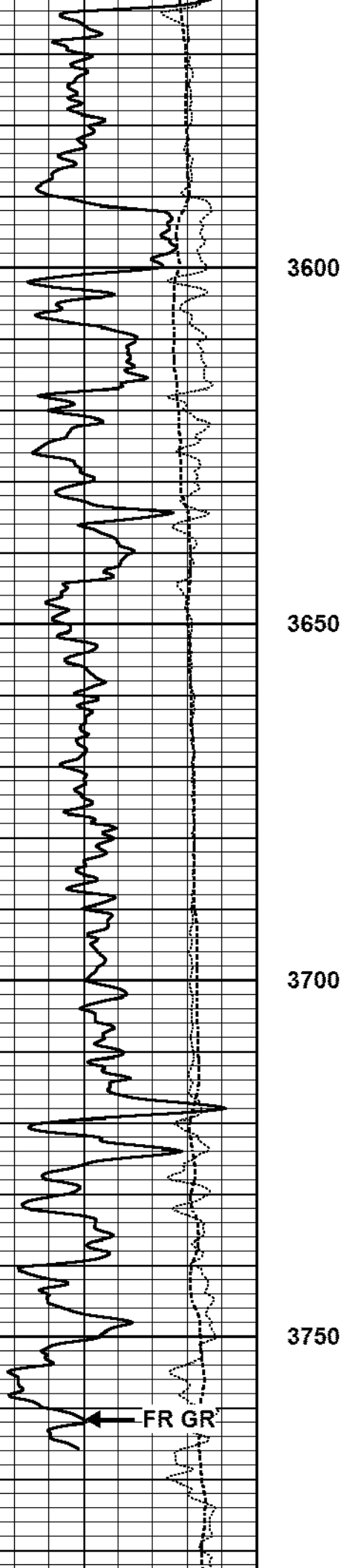
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3450

3500

3550



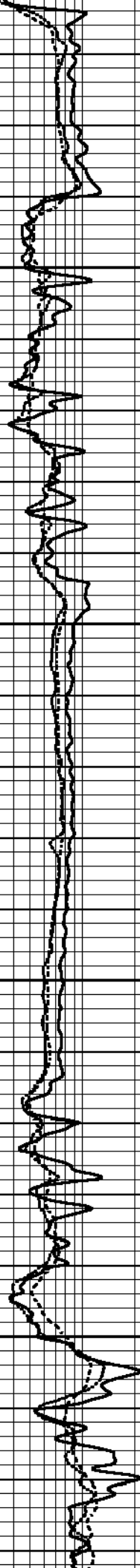


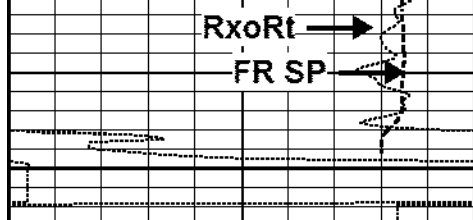
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3700

3750



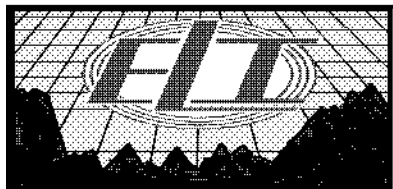


LTD 3800



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

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

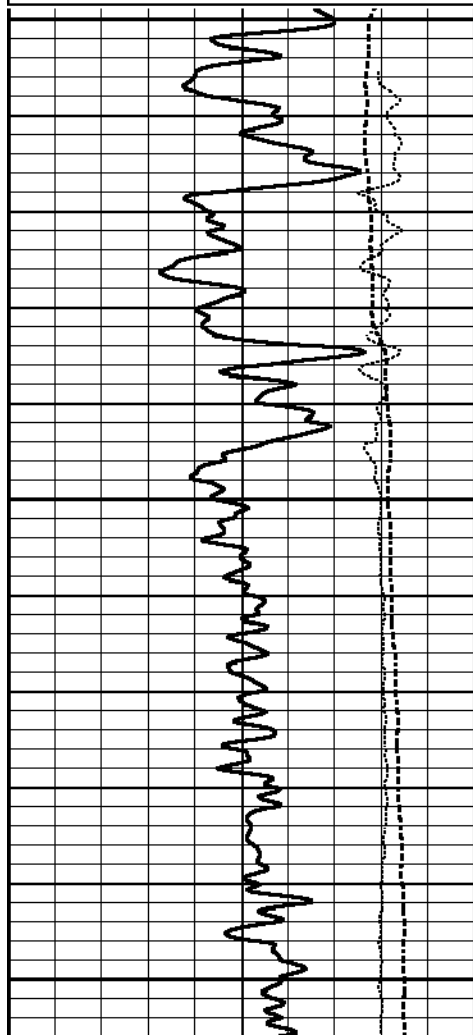


REPEAT SECTION

Database File 2367pe8.db
 Dataset Pathname pass2.1
 Presentation Format _dil
 Dataset Creation Fri Mar 02 15:19:16 2018
 Charted by Depth in Feet scaled 1:240

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

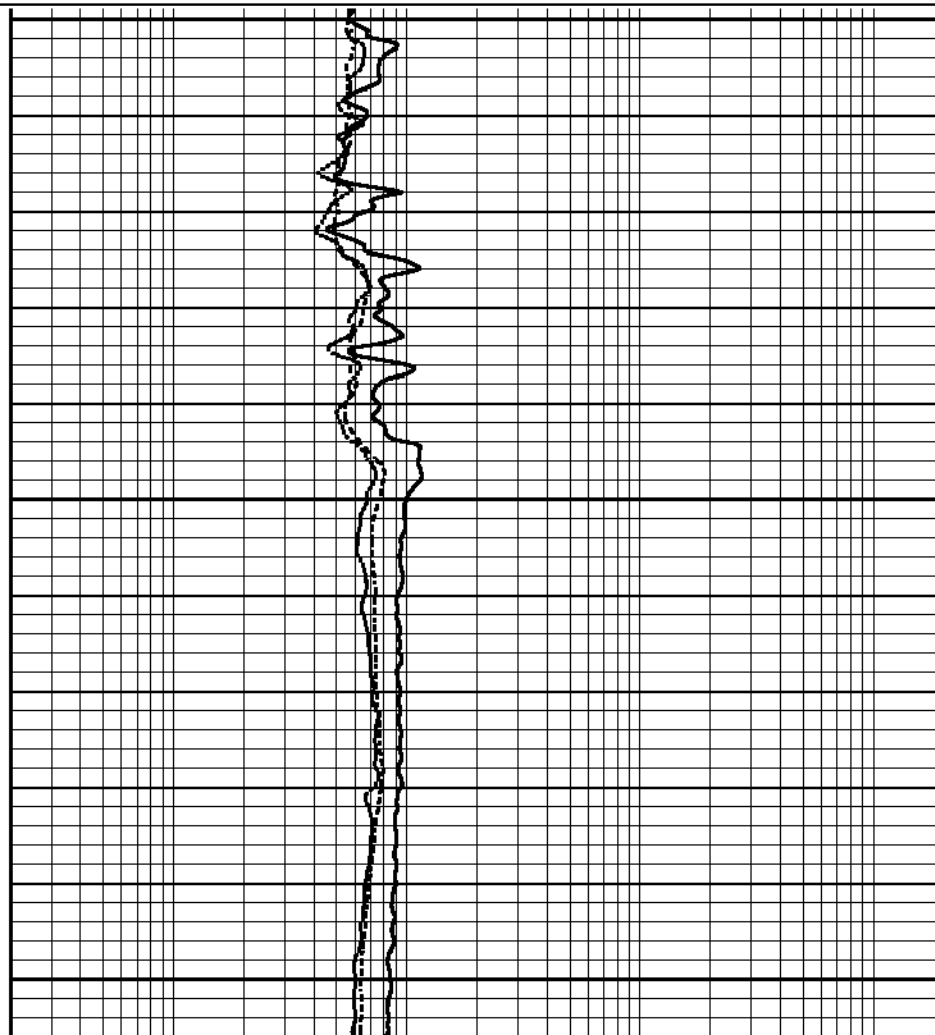
0.2	SHALLOW GUARD (Ohm-m)	2000
0.2	MEDIUM INDUCTION (Ohm-m)	2000
0.2	DEEP INDUCTION (Ohm-m)	2000

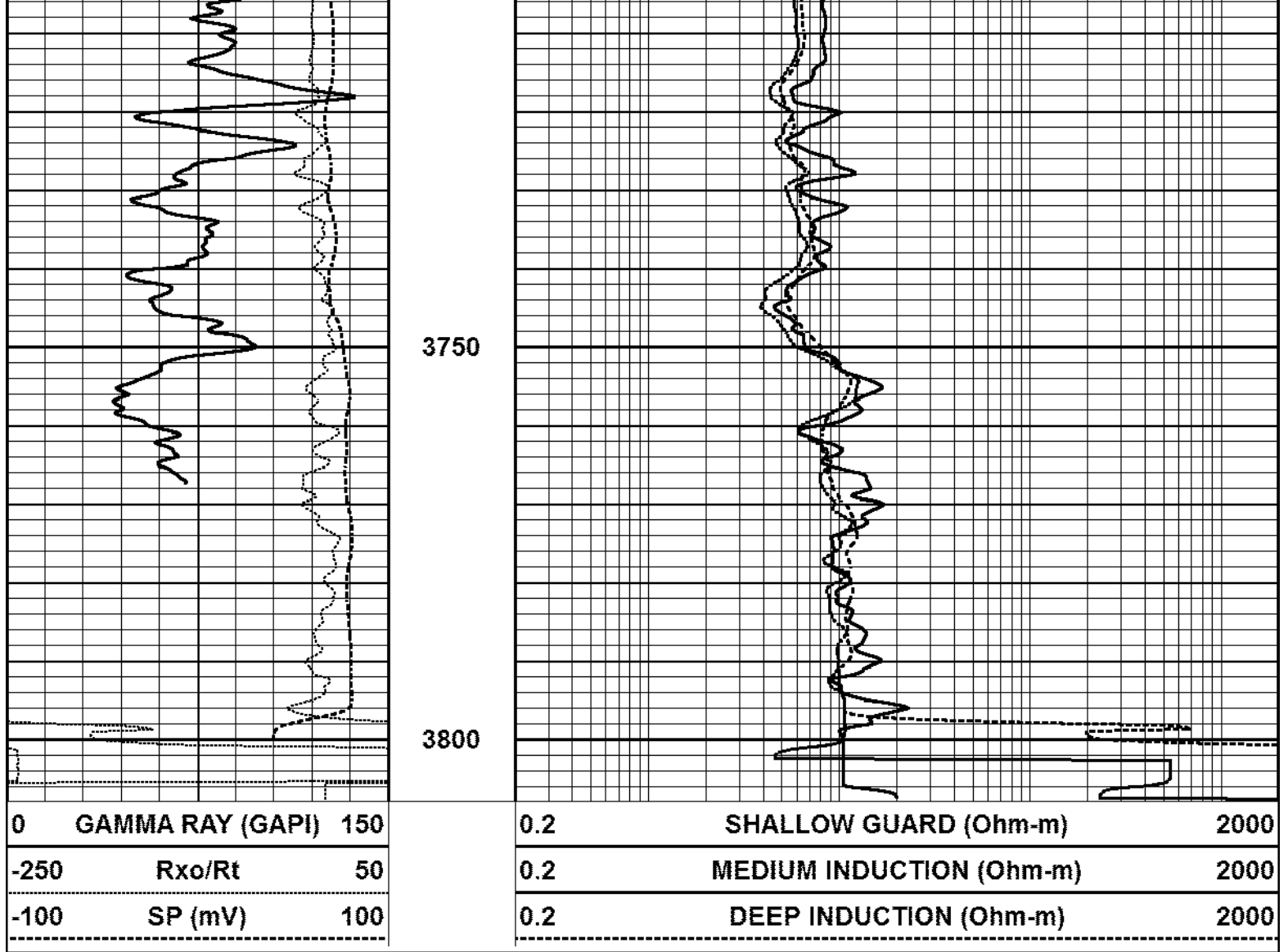


3600

3650

3700





Calibration Report

Database File 2367pe8.db
 Dataset Pathname pass2.1
 Dataset Creation Fri Mar 02 15:19:16 2018

Dual Induction Calibration Report

Serial-Model: FW1410-56-Probe
 Surface Cal Performed: Tue Jul 25 12:15:33 2017
 Downhole Cal Performed: Tue Jul 25 12:15:37 2017
 After Survey Verification Performed: Tue Jul 25 12:15:38 2017

Surface Calibration

Loop:	Readings			References			Results	
	Air	Loop		Air	Loop		m	b
Deep	0.008	0.765	V	1.000	400.000	mmho/m	527.061	-3.201
Medium	-0.056	0.761	V	1.000	464.000	mmho/m	567.187	32.510
Internal:	Zero			Cal			Results	
							m	b
Deep	0.005	0.624	V	0.000	400.000	mmho/m	645.611	-3.034
Medium	0.012	0.721	V	0.000	464.000	mmho/m	653.591	-7.532

Downhole Calibration

Readings References Results

	Zero	Cal		Zero	Cal		m'	b'
Deep	-0.647	301.329	mmho/m	-0.780	336.378	mmho/m	1.117	-0.058
Medium	38.256	411.013	mmho/m	39.046	441.706	mmho/m	1.080	-2.280
LL3		7.471	V		2500.000	Ohm-m		
		0.001	V		20.000	Ohm-m		
		-7.085	V		3500.000	mmho-m		

After Survey Verification								
	Readings			Targets			Results	
	Zero	Cal		Zero	Cal		m'	b'
Deep	0.000	0.000	mmho/m	-0.647	301.329	mmho/m	1.000	0.000
Medium	0.000	0.000	mmho/m	38.256	411.013	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: Wed Feb 11 18:53:41 2015				
	Background	Aluminum	Magnesium					
Window 1	613.01	6027.40	27508.60	cps				
Window 2	48.21	1424.77	7132.66	cps				
Window 4	266.48	1373.19	5767.15	cps				
Window 5	622.07	10090.30	18937.90	cps				
Window 6	49.07	1682.84	3271.18	cps				
Window 8	298.04	3248.38	5980.58	cps				
Bulk Density	-	2.6020	1.6830	g/cc				
Pe	-	3.0000	2.5070	b/e				
LS Alpha:	: -1.8451	SS Alpha:	: -0.7542	LS CPE:	: 1.0882			
LS Beta:	: 138648.8473	SS Beta:	: 21960.9250	SS CPE:	: 1.5181			

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: Wed Feb 11 18:53:41 2015				
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Results	Readings		References (in)		Gain	Offset
	Low	High	Low	High		
	1107.5	7124.1	8.0	15.0		
Before Survey Caliper Verification			Performed:			
	Reference	Reading				
Caliper (in)						
After Survey Caliper Verification			Performed:			
	Reference	Reading				
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:	070558				
	Tool Model:	Probe1				
	Performed:	Tue Jul 25 12:16:33 2017				
	Calibrator Value:	1.0	GAPI			
	Background Reading:	0.0	cps			
	Calibrator Reading:	1.0	cps			
	Sensitivity:	0.4000	GAPI/cps			