



SUPERIOR
Hays,
Kansas

DUAL INDUCTION LOG

Company	BLUERIDGE PETROLEUM CORP.	Company	BLUERIDGE PETROLEUM CORPORATION
Well	SOEKEN #12	Well	SOEKEN #12
Field	KRAFT - PRUSA	Field	KRAFT - PRUSA
County	BARTON	County	BARTON
State	KANSAS	State	KANSAS
Location:	AP1 # : 15-009-25730-0000	Other Services	CDL/CNL MEL/SONIC
Permanent Datum	GROUND LEVEL	Elevation	1841
Log Measured From	KELLY BUSHING 5' A.G.L.	Elevation	K.B. 1846 D.F. 1844 G.L. 1841
Drilling Measured From	KELLY BUSHING		
SEC 22 TWP 17S RGE 11W			
Date	8/21/12		
Run Number	ONE		
Depth Driller	3365		
Depth Logger	3364		
Bottom Logged Interval	3362		
Top Log Interval	00		
Casing Driller	8 5/8"@709'		
Casing Logger	706		
Bit Size	7 7/8"		
Type Fluid in Hole	CHEMICAL MUD	CHLORIDES	6,400 PPM
Density / Viscosity	9.4/52		
pH / Fluid Loss	10.5/10.0		
Source of Sample	FLOWLINE		
Rm @ Meas. Temp	.950@92F		
Rmt @ Meas. Temp	.713@92F		
Rmc @ Meas. Temp	1.14@92F		
Source of Rmt / Rmc	MEASUREMENT		
Rm @ BHT	.795@110F		
Time Circulation Stopped	2 HOURS		
Time Logger on Bottom	1:00 P.M.		
Maximum Recorded Temperature	110F		
Equipment Number	4010		
Location	HAYS, KANSAS		
Recorded By	JEFF LUEBBERS		
Witnessed By	JIM MUSGROVE	JON ALLEN	RICK POPP

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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 SUPERIOR WELL SERVICE HAYS, KANSAS (785) 628-6395
DIRECTIONS
CLAFLIN, KS. 2 1/2N. ON BLKTOP, E. INTO



SUPERIOR
Hays,
Kansas

MAIN SECTION

Database File: 409506ddn.db
Dataset Pathname: pass3.3
Presentation Format: dil2
Dataset Creation: Tue Aug 21 14:12:19 2012 by Calc Open-Cased 110302
Charted by: Depth in Feet scaled 1:600

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

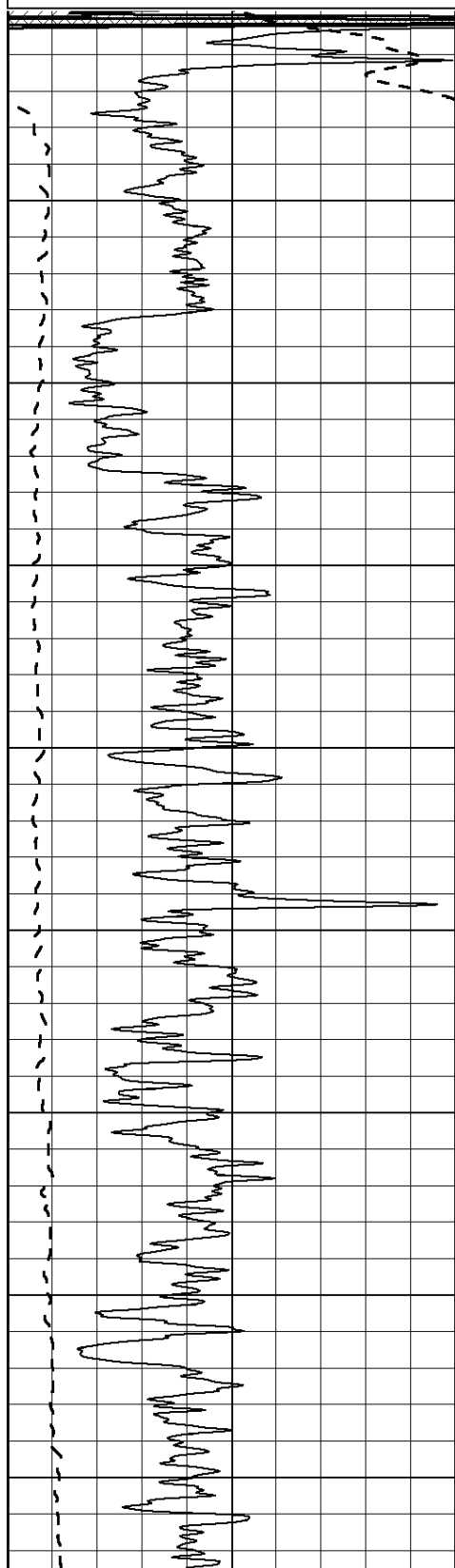
0	RLL3 (Ohm-m)	50
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0	RILD (Ohm-m)	50
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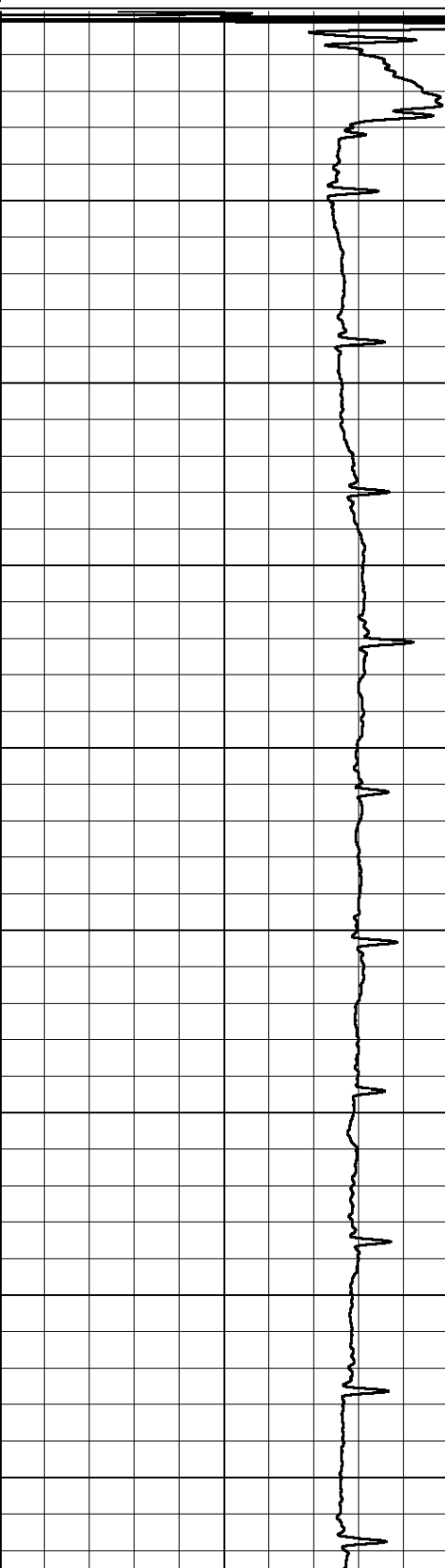
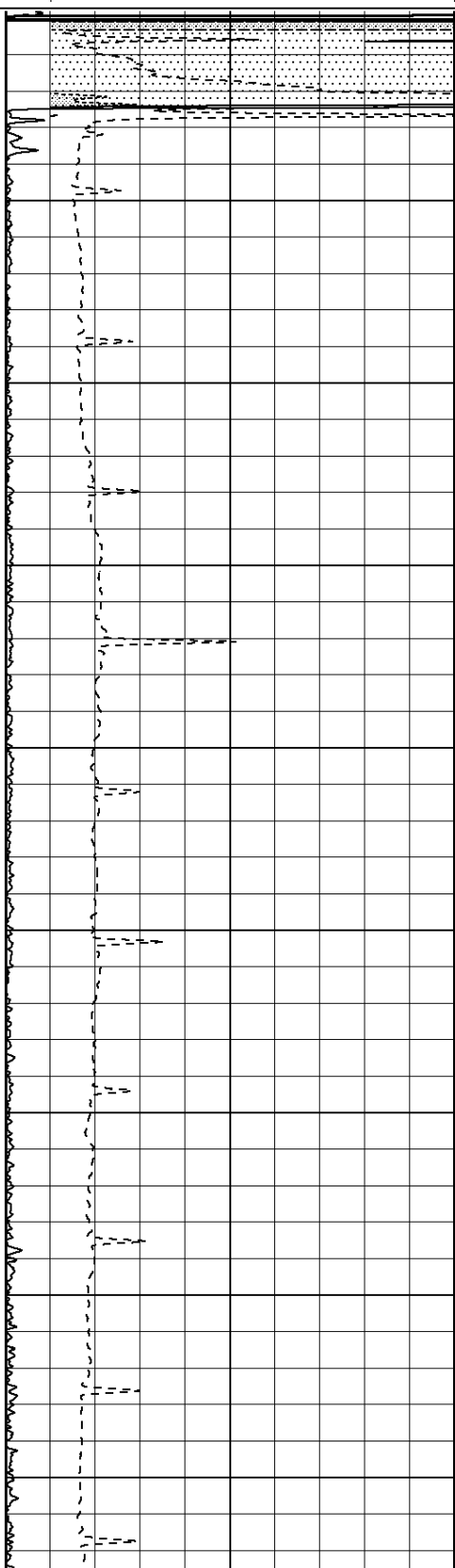
1000	CILD (mmho/m)	0
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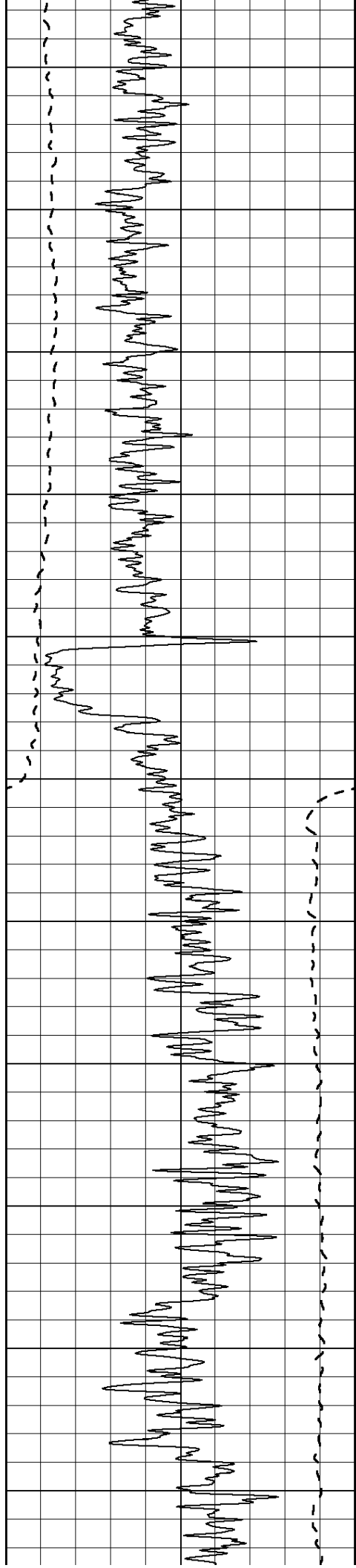
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50	RLL3 X10 (Ohm-m)	500
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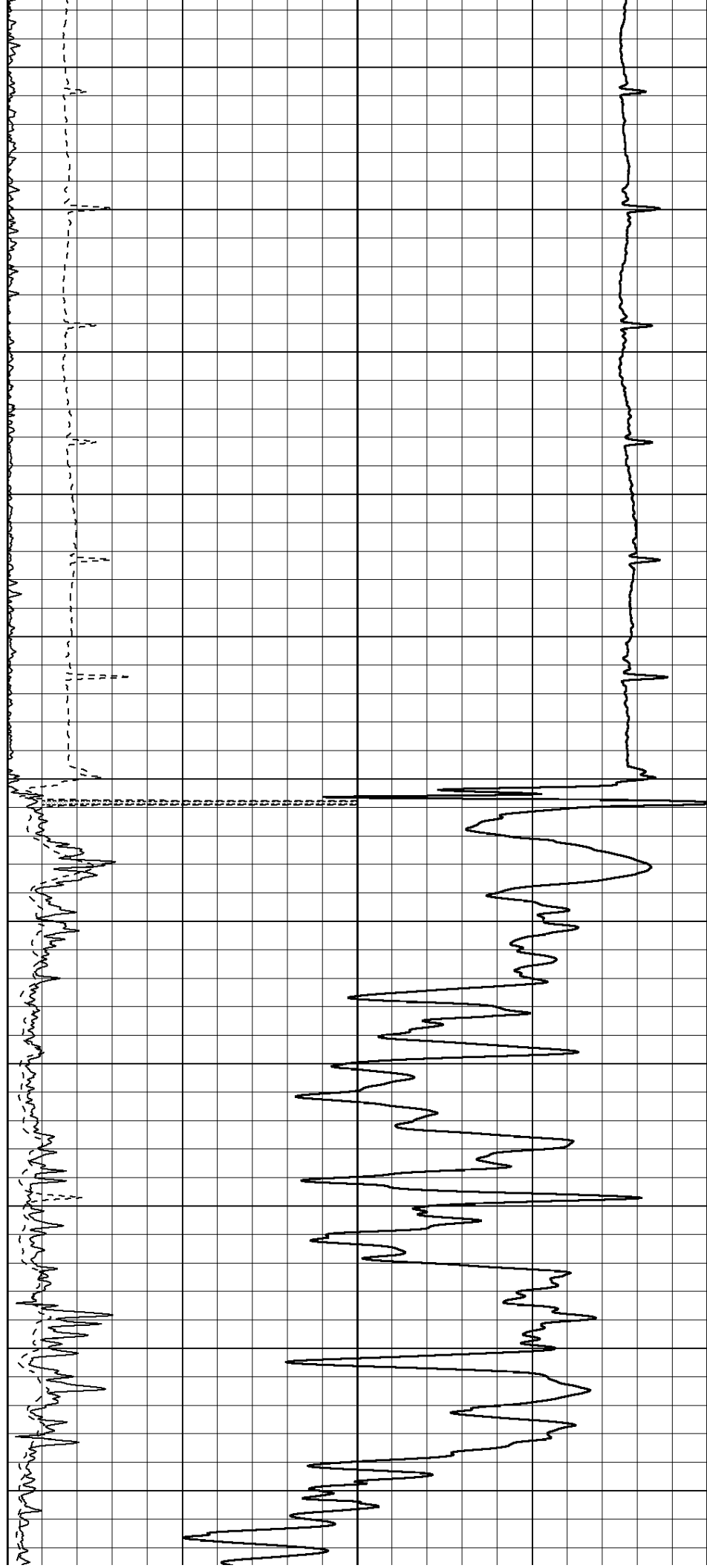


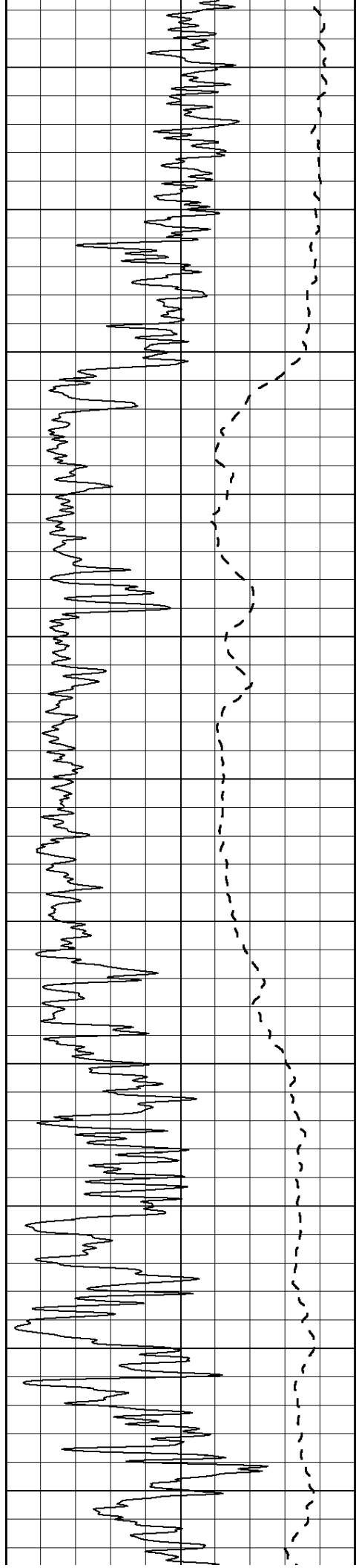
0
50
100
150
200
250
300
350
400



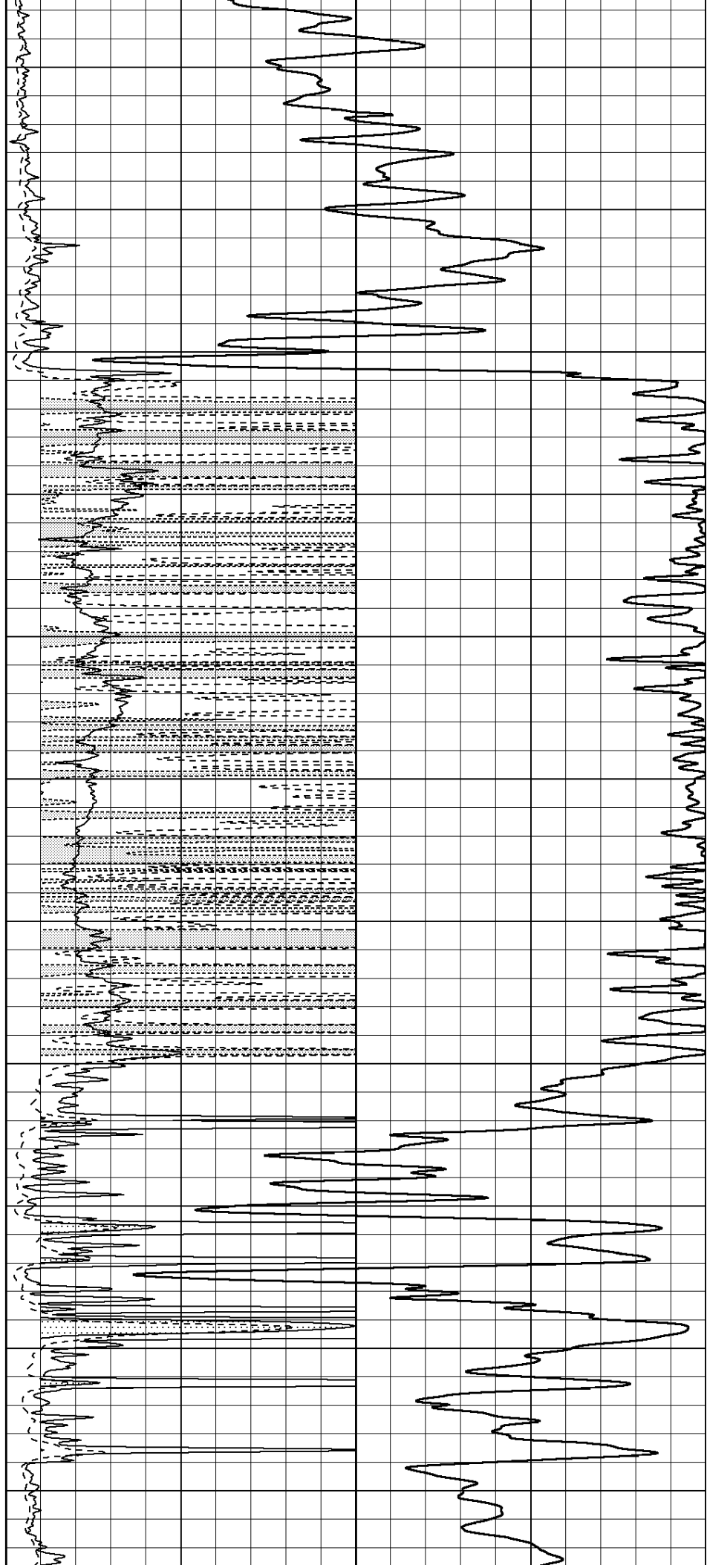


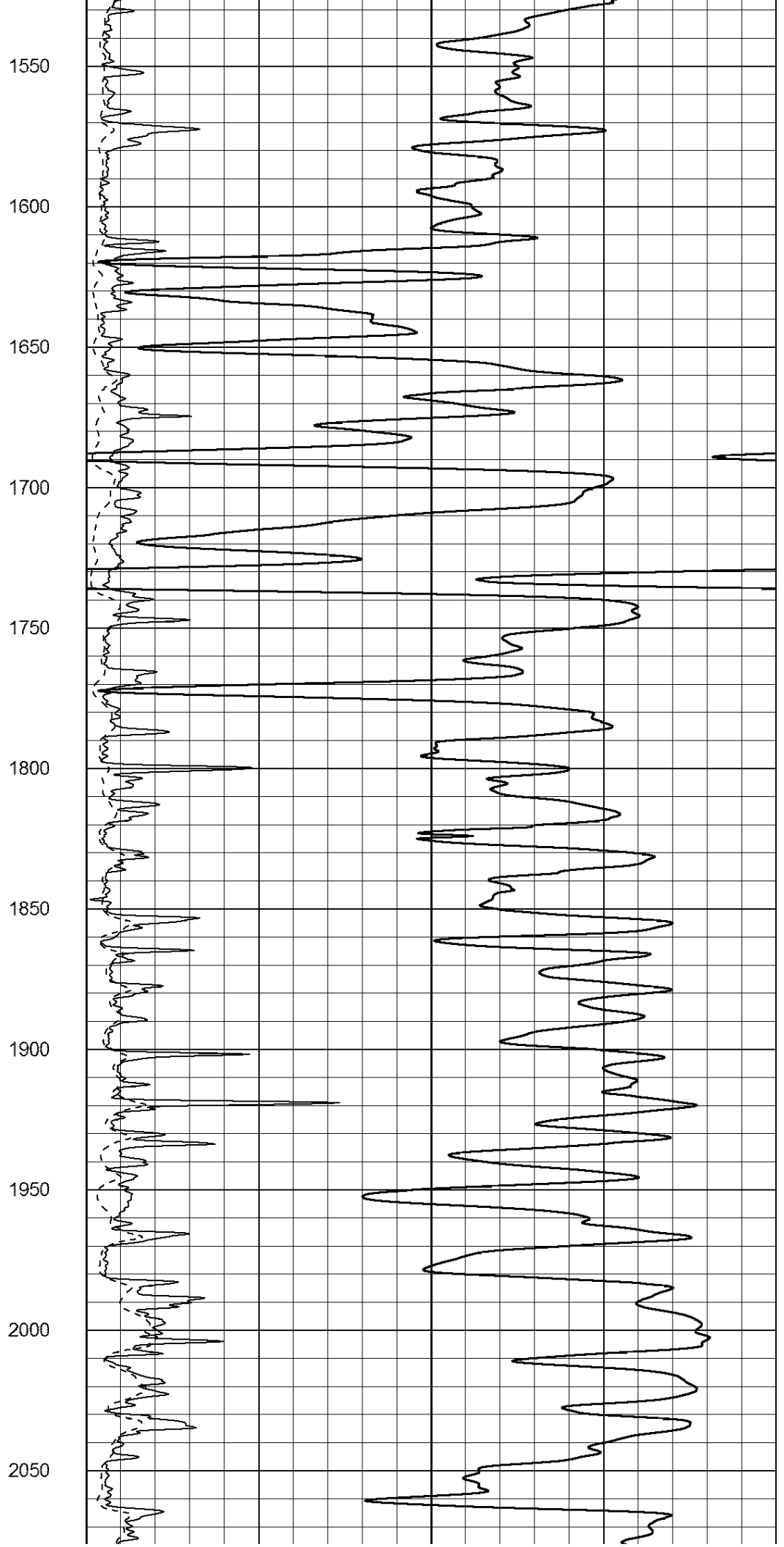
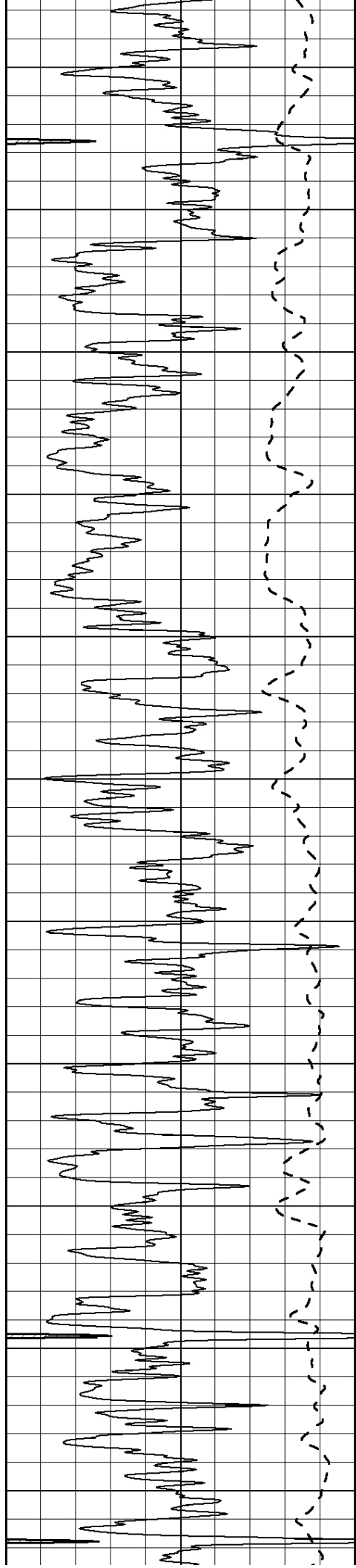
450
500
550
600
650
700
750
800
850
900
950

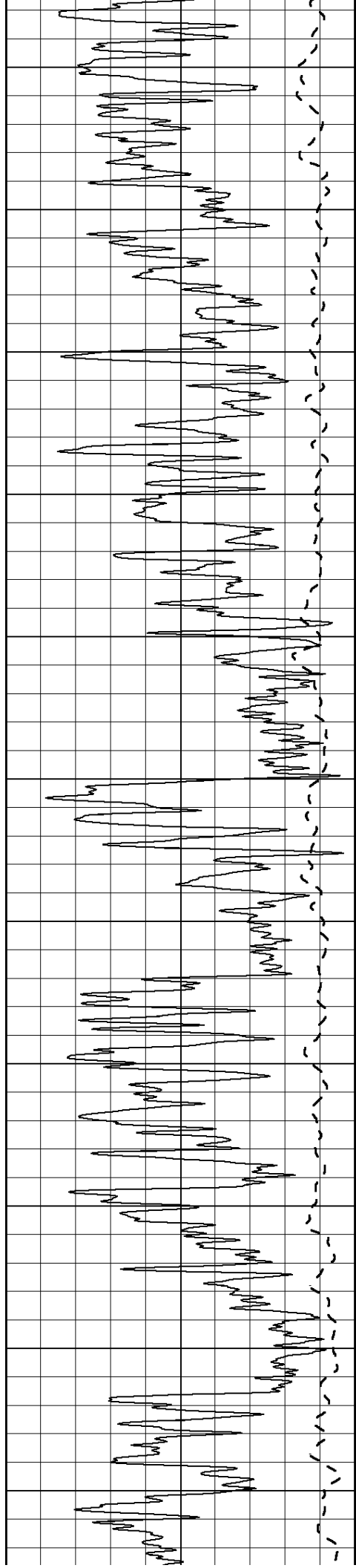




1000
1050
1100
1150
1200
1250
1300
1350
1400
1450
1500







2100

2150

2200

2250

2300

2350

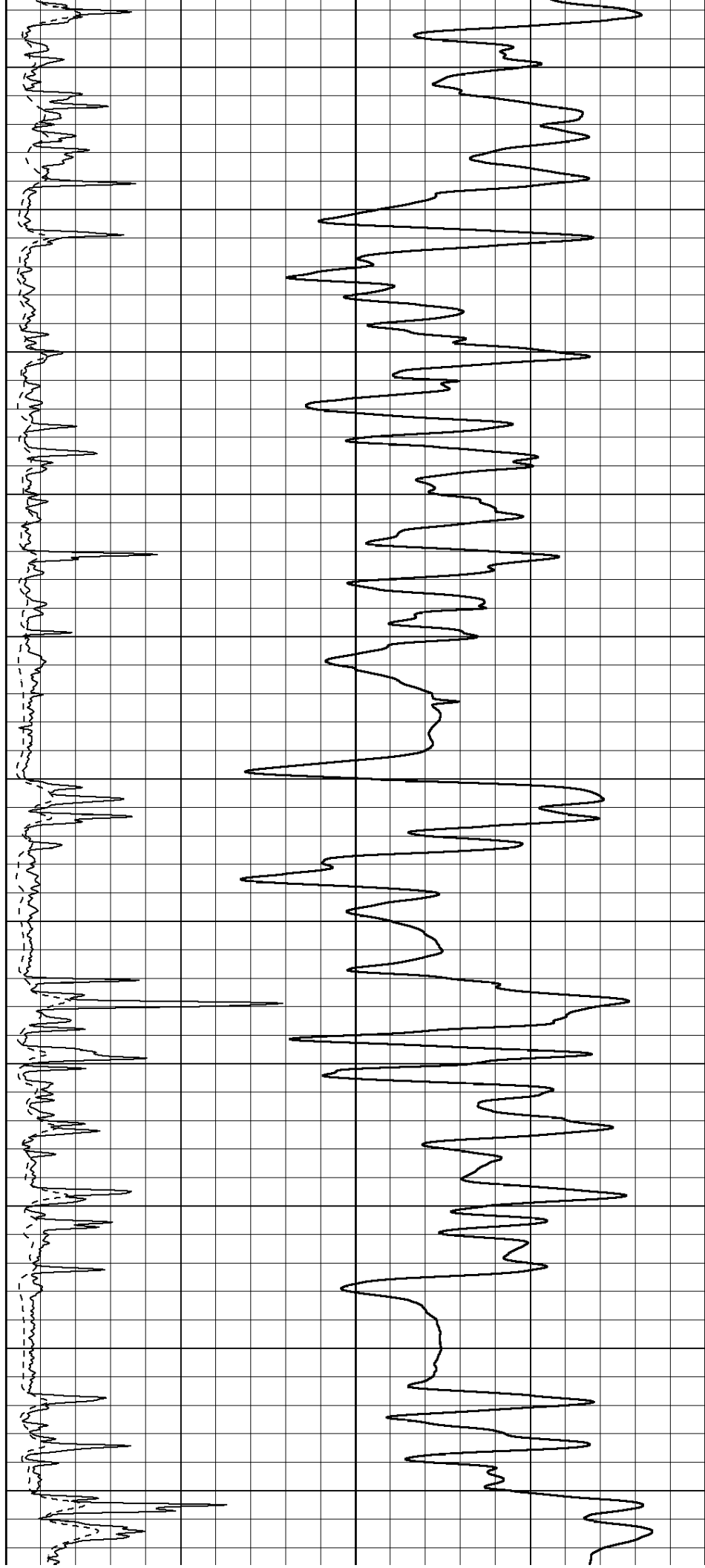
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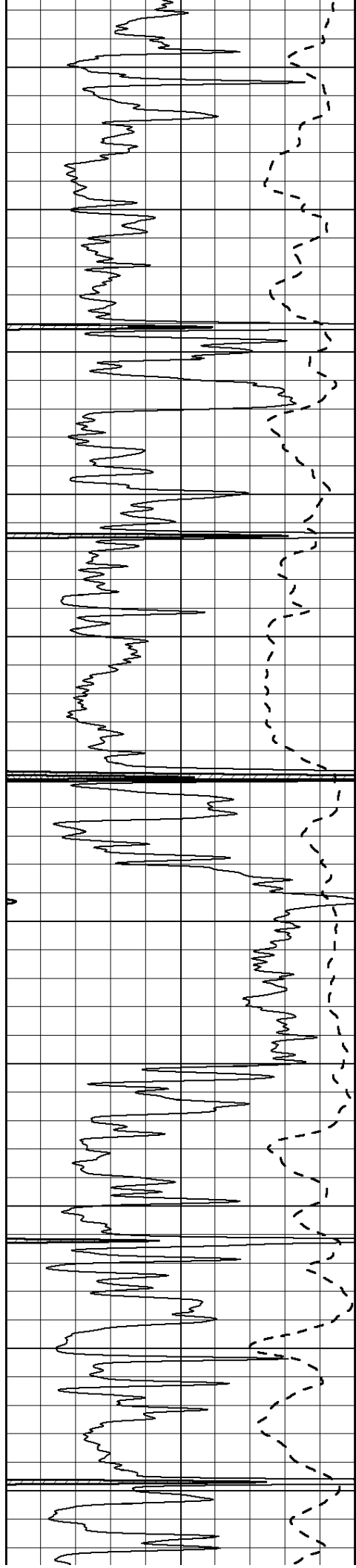
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2500

2550

2600





2650

2700

2750

2800

2850

2900

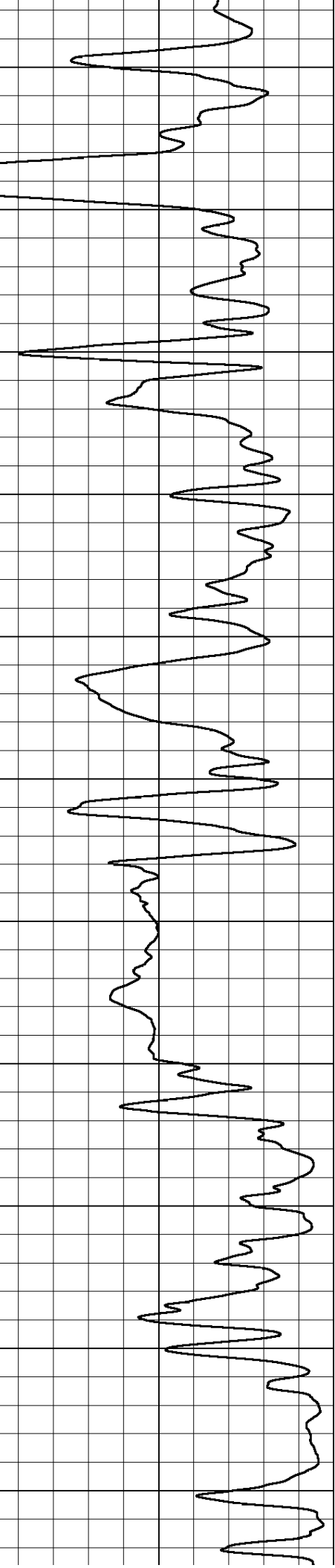
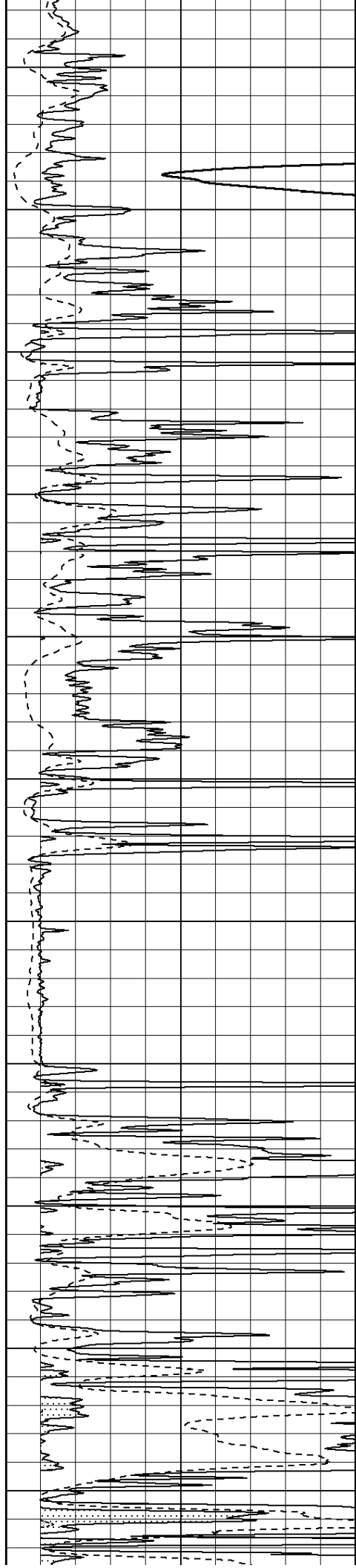
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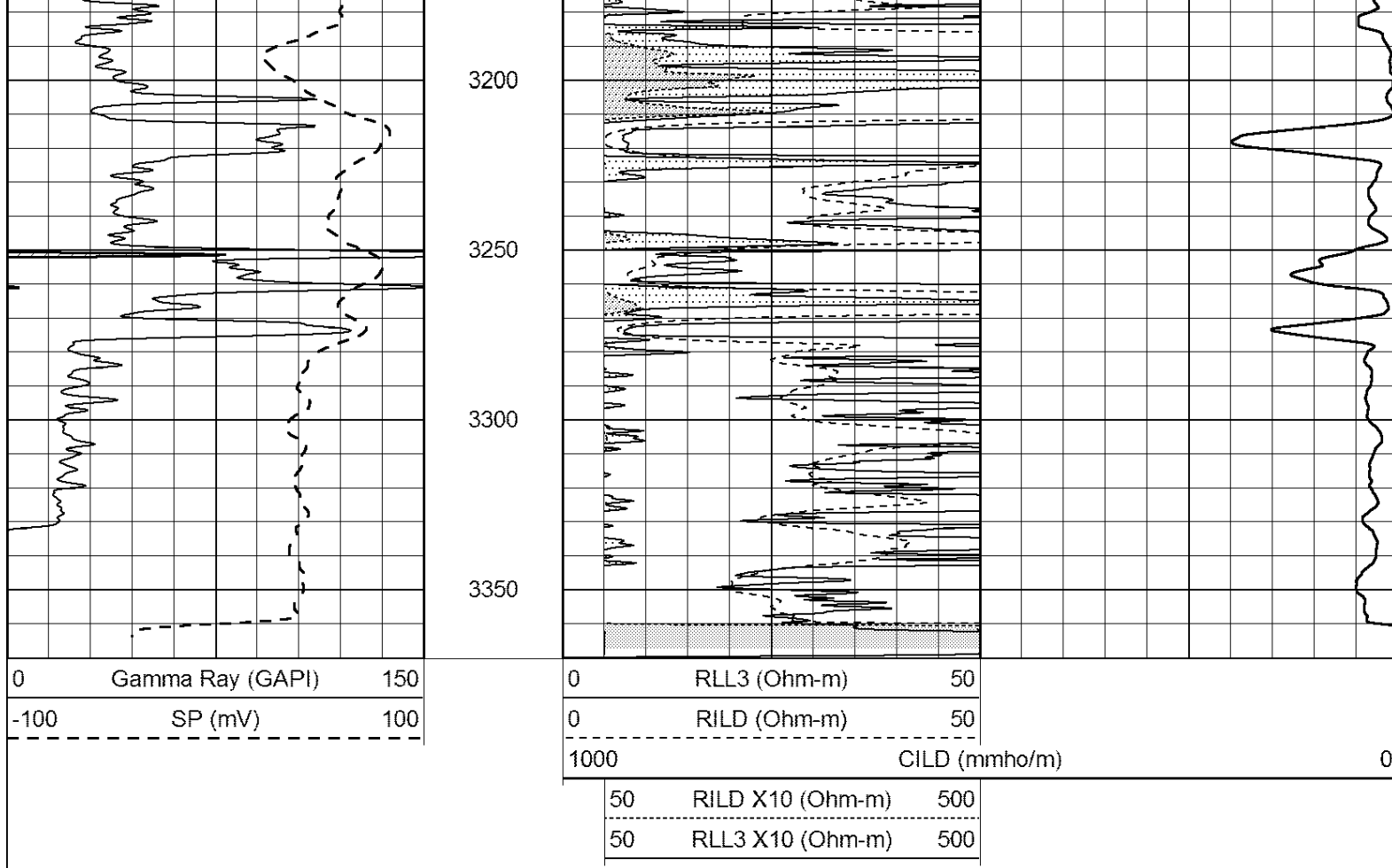
3000

3050

3100

3150



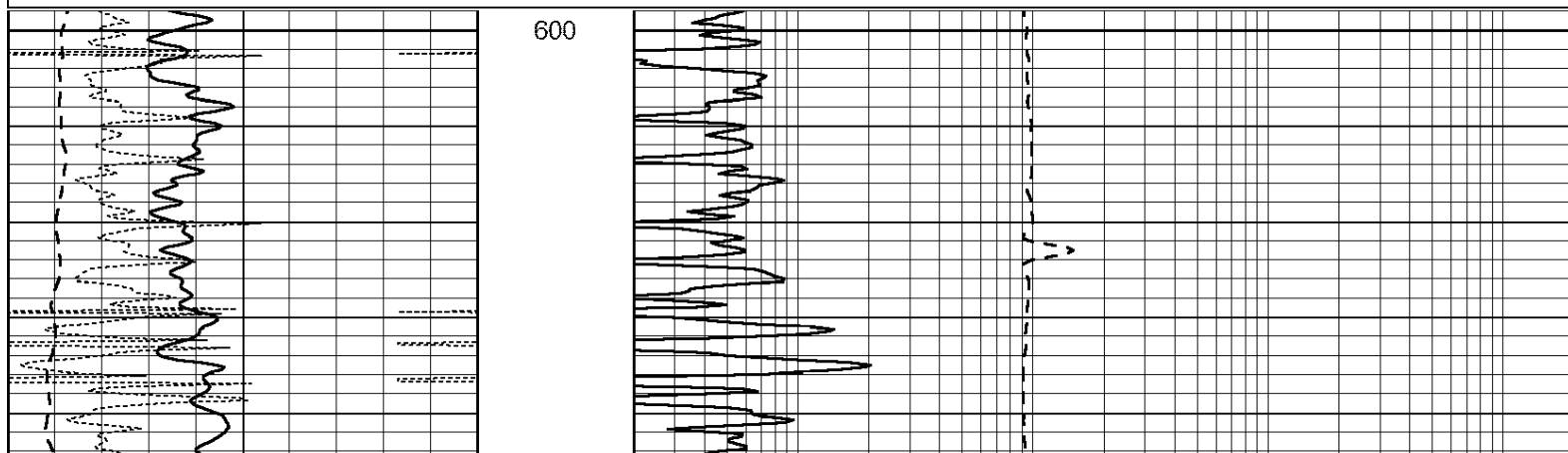


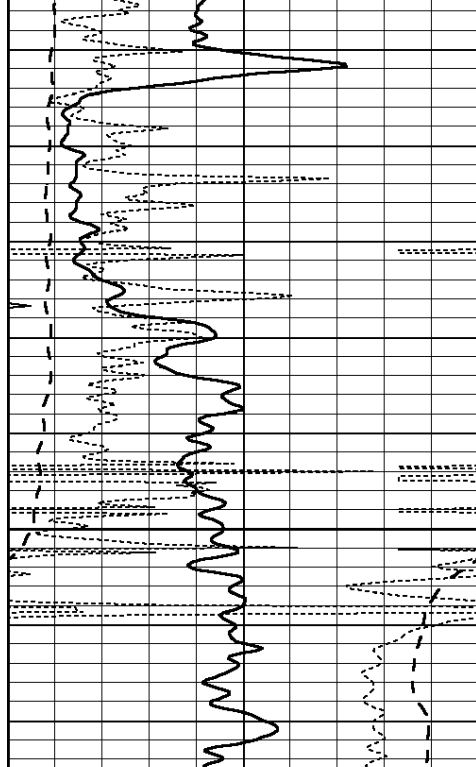
SUPERIOR
Hays,
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ANHYDRITE

Database File: 409506ddn.db
 Dataset Pathname: pass3.4
 Presentation Format: dil
 Dataset Creation: Tue Aug 21 14:18:33 2012 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240

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			

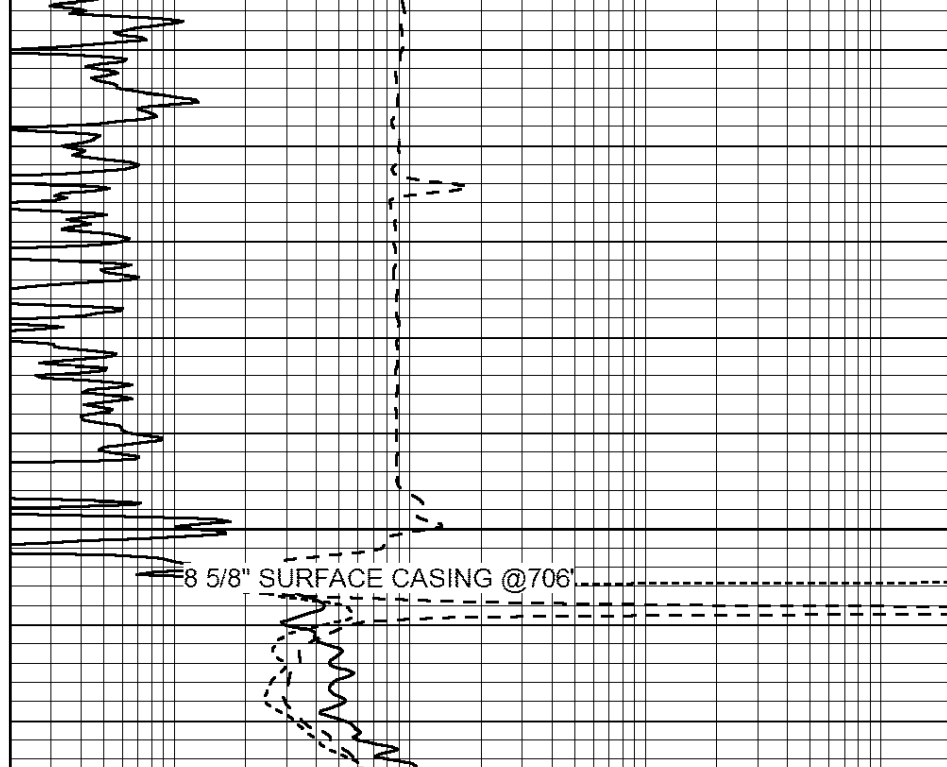




0	GAMMA RAY (GAPI)	150
-100	SP (mV)	100
-250	Rxo/Rt	50
0	MINMK	20

650

700



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



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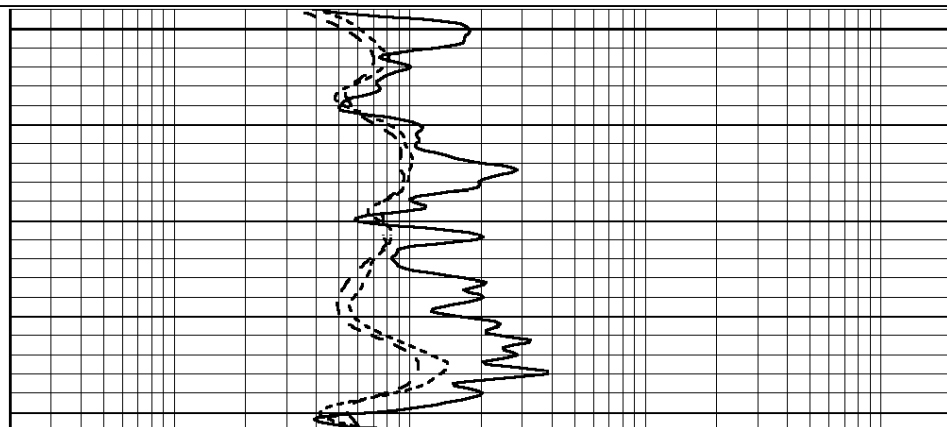
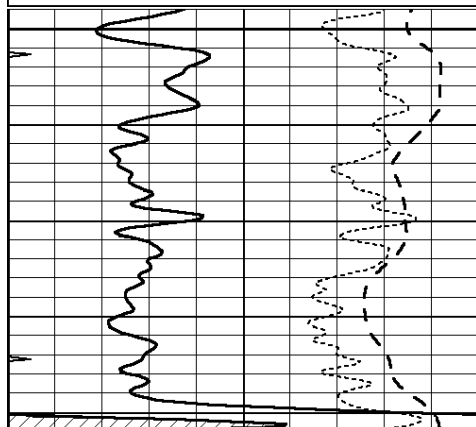
MAIN SECTION

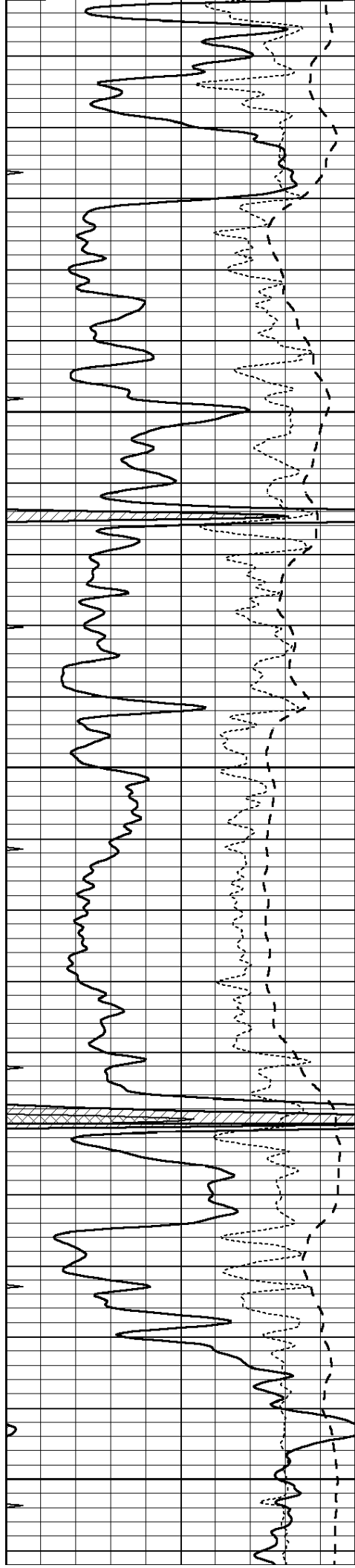
Database File: 409506ddn.db
 Dataset Pathname: pass3.3
 Presentation Format: dil
 Dataset Creation: Tue Aug 21 14:12:19 2012 by Calc Open-Cased 110302
 Charted by: Depth in Feet scaled 1:240

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

2700





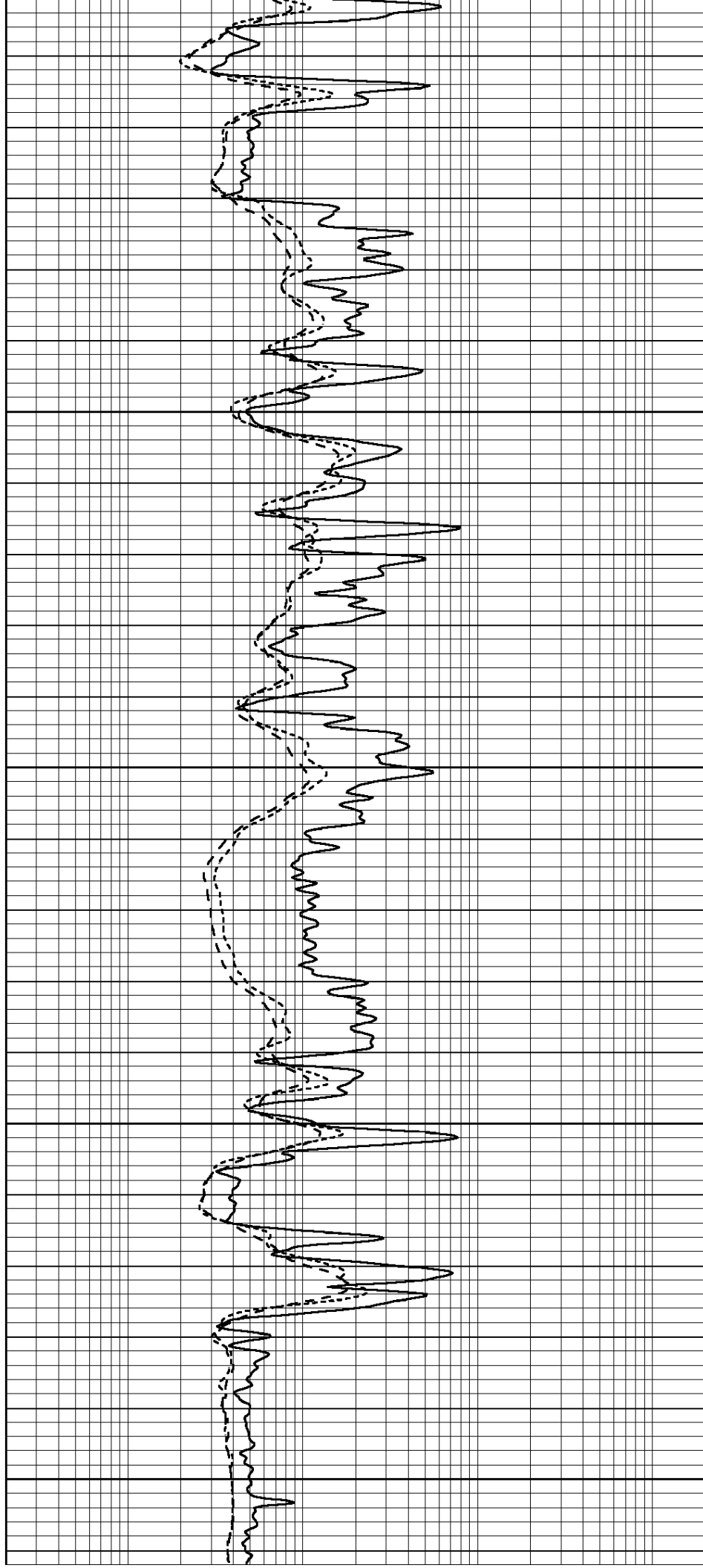
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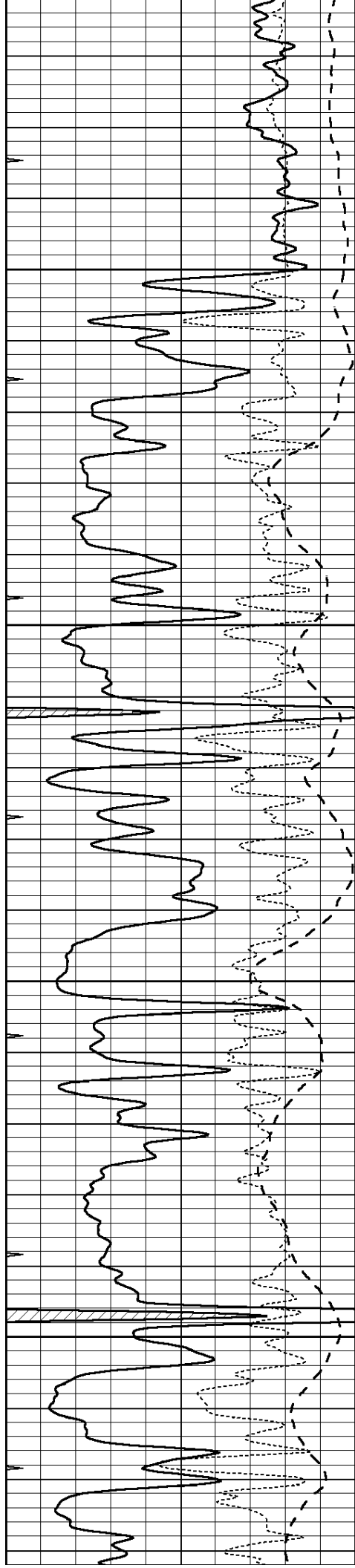
2800

2850

2900

2950



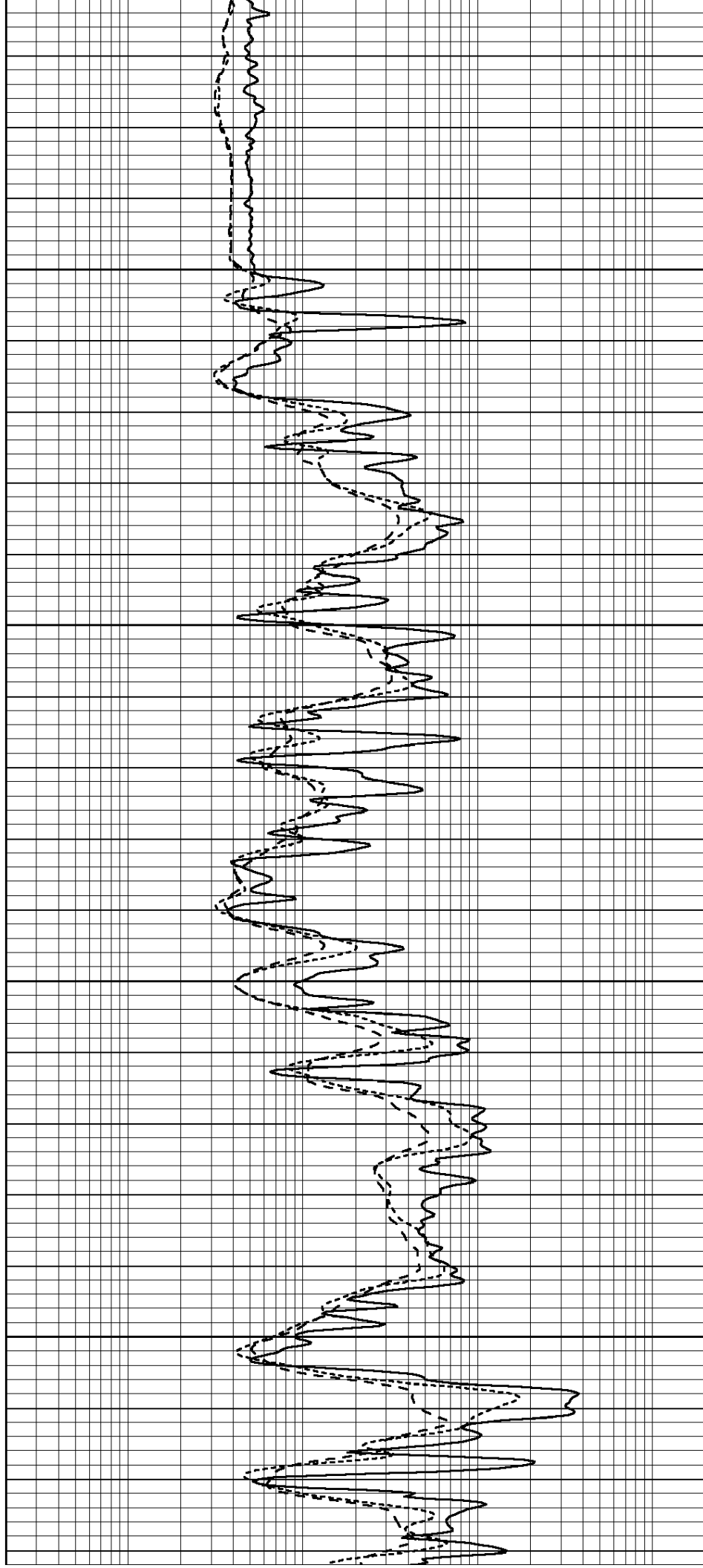


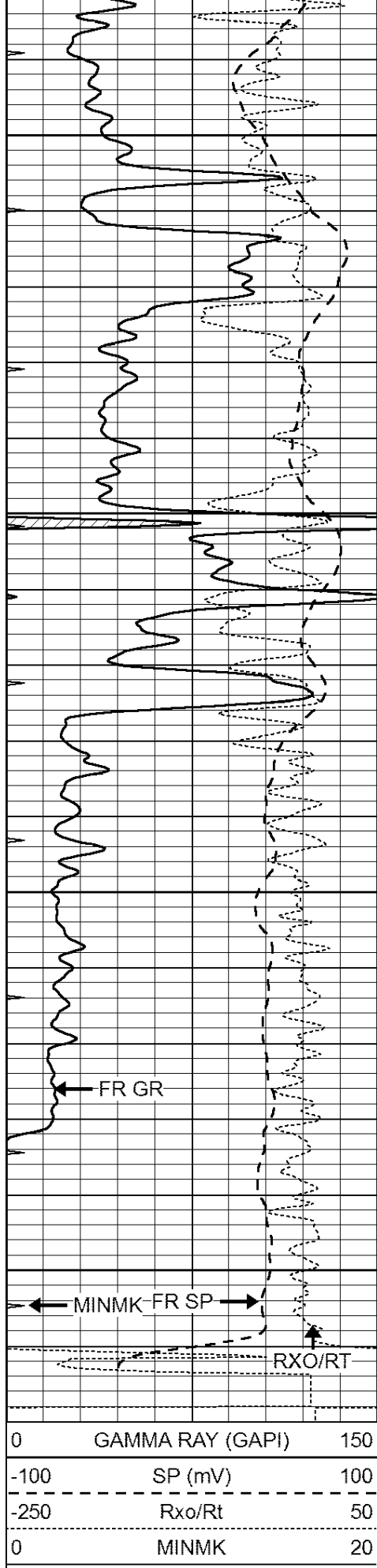
3000

3050

3100

3150





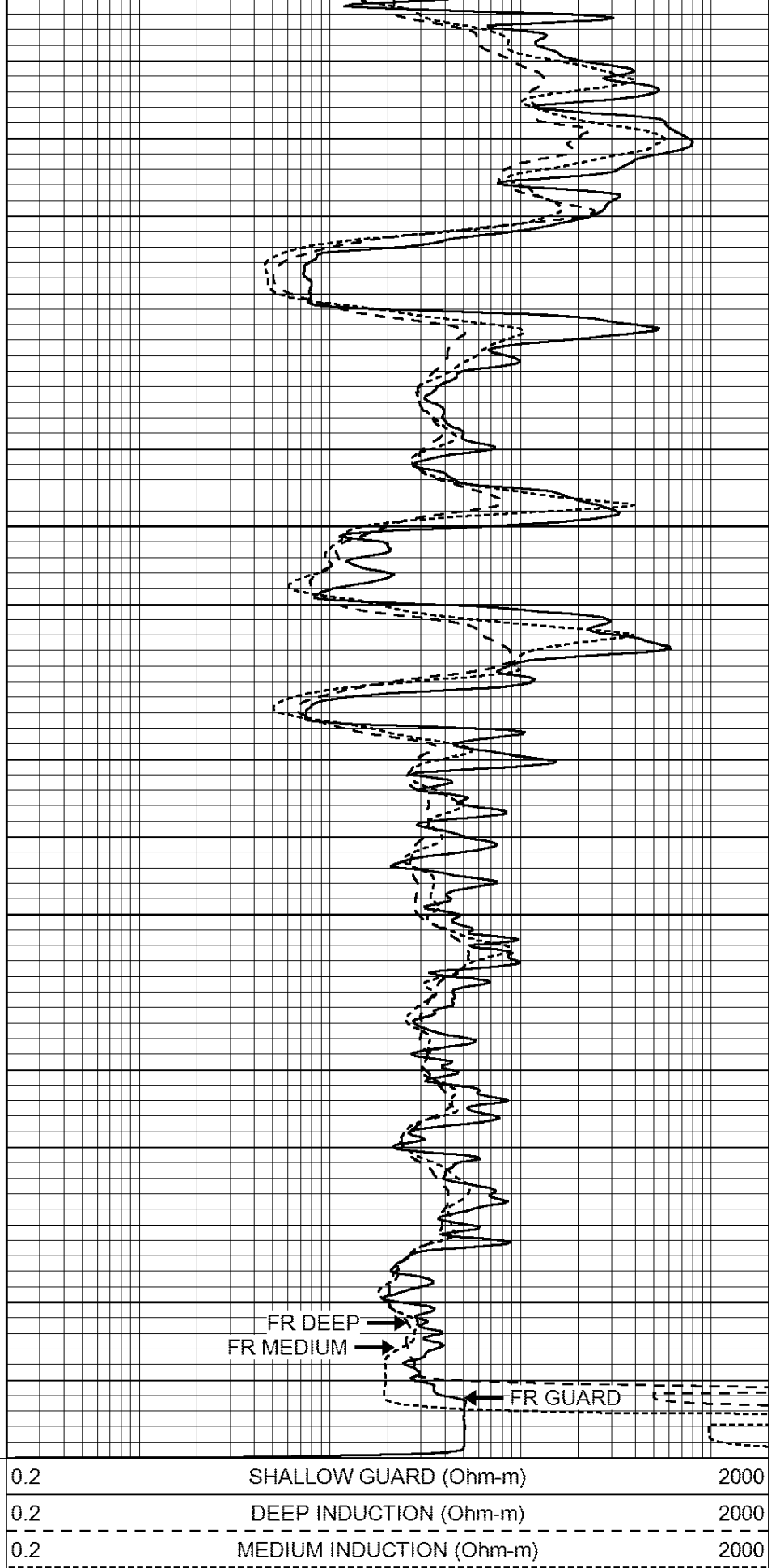
3200

3250

3300

3350

LTD 3364





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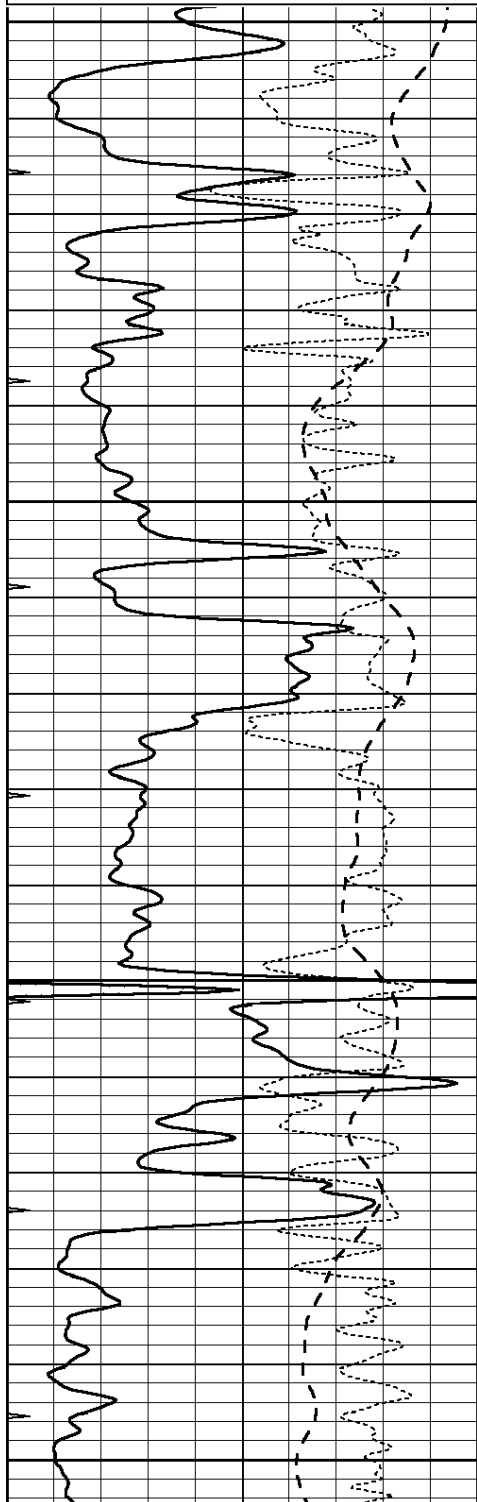
Hays,
Kansas

REPEAT SECTION

Database File: 409506ddn.db
Dataset Pathname: pass2.4
Presentation Format: dil
Dataset Creation: Tue Aug 21 13:16:56 2012 by Calc Open-Cased 110302
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

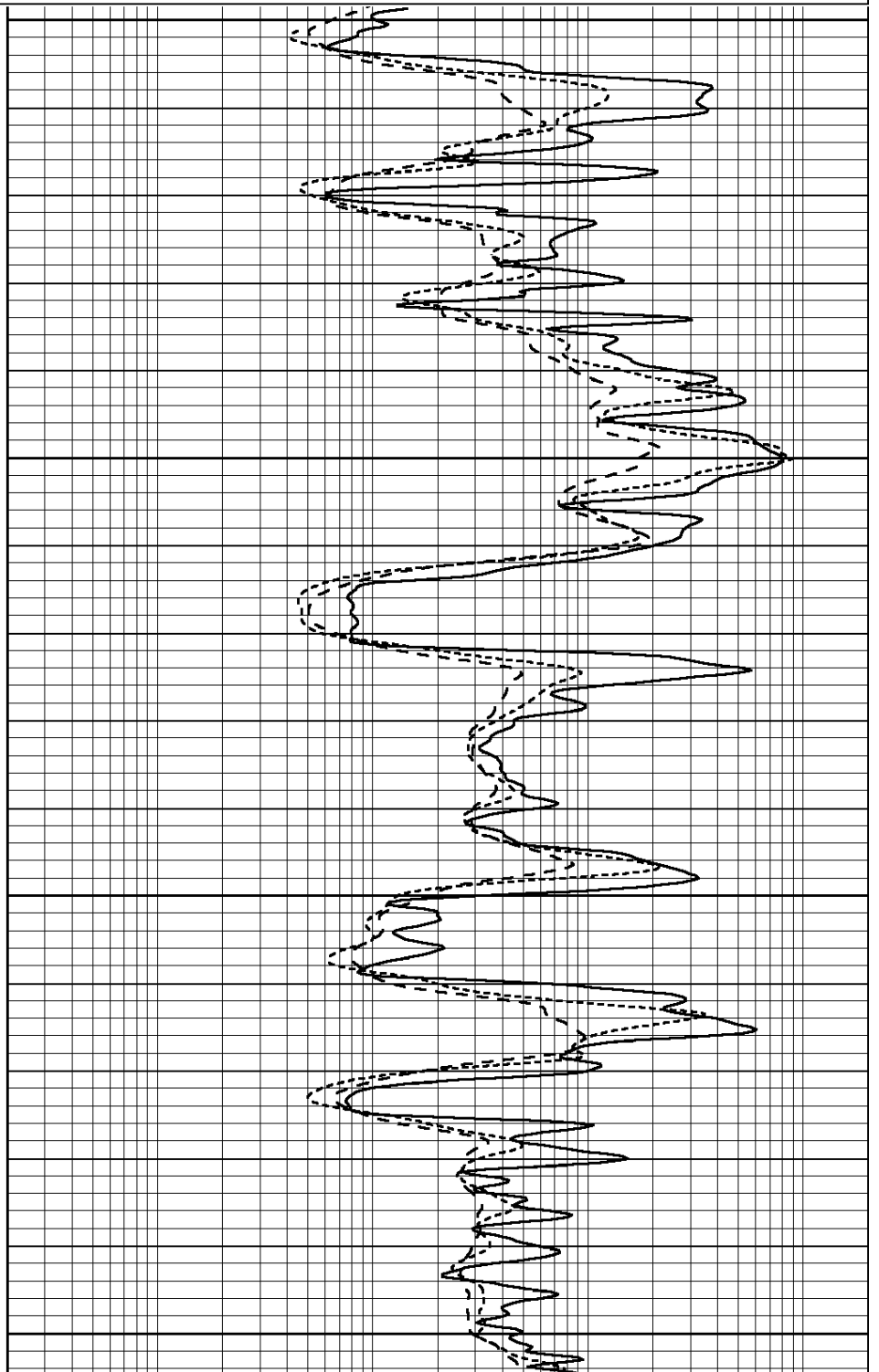


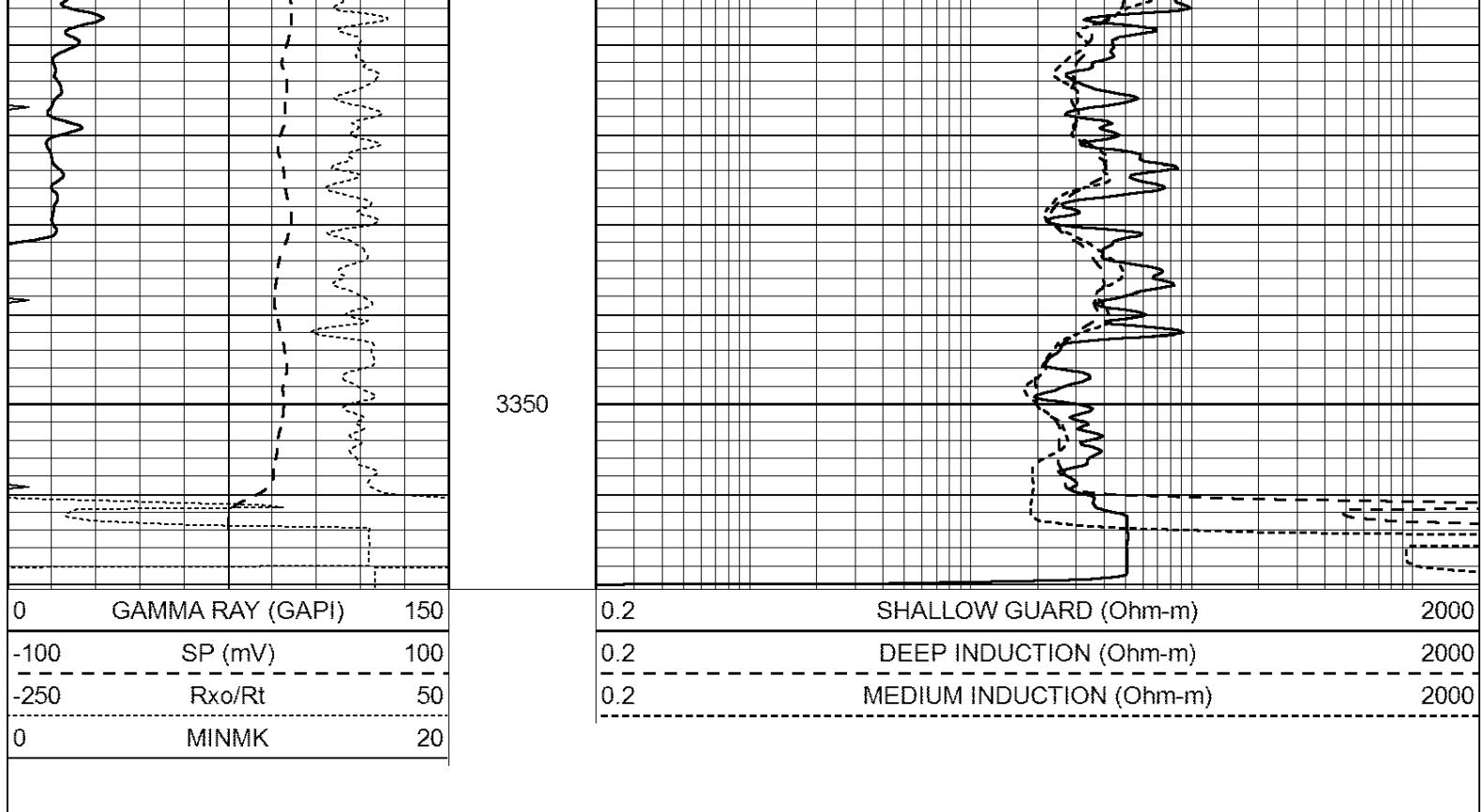
3150

3200

3250

3300





Calibration Report

Database File: 409506ddn.db
 Dataset Pathname: pass3.3
 Dataset Creation: Tue Aug 21 14:12:19 2012 by Calc Open-Cased 110302

Dual Induction Calibration Report

Serial-Model: DIL4-GEAR
 Performed: Tue Aug 21 12:27:33 2012

Readings				References			Results	
Loop:	Air	Loop		Air	Loop		m	b
Deep	0.008	0.666	V	0.000	400.000	mmho/m	570.000	-2.000
Medium	-0.003	0.769	V	0.000	462.500	mmho/m	560.000	-3.500
Internal:	Zero	Cal		Zero	Cal		m	b
Deep	0.013	0.651	V	0.000	400.000	mmho/m	627.541	-8.365
Medium	0.020	0.754	V	0.000	462.500	mmho/m	630.311	-12.549

Litho Density Calibration Report
 Serial: 003N Model: PRB
 Performed Tue Sep 08 14:14:44 2009

Litho Density Calibration

	Background	Magnesium	Aluminum	Sandstone	
Window 1	2042.6	12312.8	4225.8	13758.4	cps
Window 2	1855.8	10134.7	3624.2	11113.1	cps
Window 3	1639.4	6760.2	2716.3	7260.3	cps
Window 4	466.4	469.2	466.1	476.5	cps
Long Space	0.0	8278.9	1768.4	9257.4	cps
Short Space	2.2	2377.3	1544.1	2574.2	cps
Rho		1.7100	2.5900	1.3800	g/cc
Pe			2.5700	1.5500	

Rib Angle	: 44.4	Rib Slope	: 0.979	Density/Spine Ratio	: 0.549
Spine Angle	: 74.4	Spine Slope	: 3.577	Spine Intercept	: -18.8
Caliper					
Low Ref	Readings 3.4	Reference 7.8			
High Ref	5.5	15.0			
	Gain: 3.4		Offset: -3.8		
Compensated Neutron Calibration Report					
		Serial Number:	070808		
		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:		070559			
Tool Model:		OPEN_GR			
Performed:		Thu Jul 26 17:34:29 2012			
Calibrator Value:		1.0	GAPI		
Background Reading:		0.0	cps		
Calibrator Reading:		1.0	cps		
Sensitivity:		0.3000	GAPI/cps		