



PIONEER
Pioneer Energy Services

DUAL INDUCTION LOG

Company LARSON ENGINEERING, INC.
Well SCHNEIDER C #10
Field TRAPP
County BARTON
State KANSAS

Company LARSON ENGINEERING, INC.
Well SCHNEIDER C #10
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Location: API #: 15-009-26254-00-00

Other Services

SEC 2 TWP 16S RGE 14W
924' FNL & 2228' FEL

CNL/CDL
MEL

Permanent Datum GROUND LEVEL Elevation 1883'
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING

Elevation
K.B. 1891'
D.F. N/A
G.L. 1883'

Date 3/12/2019

Run Number	ONE	
Depth Driller	3416'	
Depth Logger	3415'	
Bottom Logged Interval	3414'	
Top Log Interval	400'	
Casing Driller	8.625" @ 431'	
Casing Logger	430'	
Bit Size	7.878"	
Type Fluid in Hole	CHEMICAL	
Salinity, ppm CL	10000	
Density / Viscosity	9.3 53	
pH / Fluid Loss	9.5 13.6	
Source of Sample	FLOWLINE	
Rm @ Meas. Temp	0.30 @ 65	
Rmt @ Meas. Temp	0.23 @ 65	
Rmc @ Meas. Temp	0.41 @ 65	
Source of Rmt / Rmc	CHARTS	
Rm @ BHT	0.18 @ 110	
Operating Rig Time	3 HOURS	
Max Rec. Temp. F	110	
Equipment Number	108	
Location	HAYS	
Recorded By	IAN MABB	
Witnessed By	VERN SCHRAG	

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

RUSSELL, KS.

SOUTH ON 281 TO RD 230TH (COUNTY LINE),
EAST 1/2 MILE, SOUTH INTO

Log Measured From: KELLY BUSHING 8 Ft. Above Permanent Datum

THANK YOU FOR USING PIONEER ENERGY SERVICES
www.pioneerenergy.com 785-625-3858

Your Pioneer Energy Services Crew

Engineer: IAN MABB
Operator:
Operator:
Operator:

This Log Record Was Witnessed By

Primary Witness: VERN SCHRAG
Secondary Witness:
Secondary Witness:
Secondary Witness:

Log Variables

DatabaseC:\Users\imabb\Desktop\Logs\Larson\Schneider C #10\larson_schneider_c_10.db
Dataset field/well/stackmel/pass4.1/_vars_

Top - Bottom

A	BOREID in	BOTTEMP degF	CASEOD in	CASETHCK in	FLUIDDEN g/cc	M	MATRXDEN g/cc
0	0	0	0	0	0	0	0
NPORSEL	PERFS	SNDERR mmho/m	SNDERRM mmho/m	SPSHIFT mV	SRFTEMP degF	SZCOR	TDEPTH ft
0	0	0	0	0	0	0	0



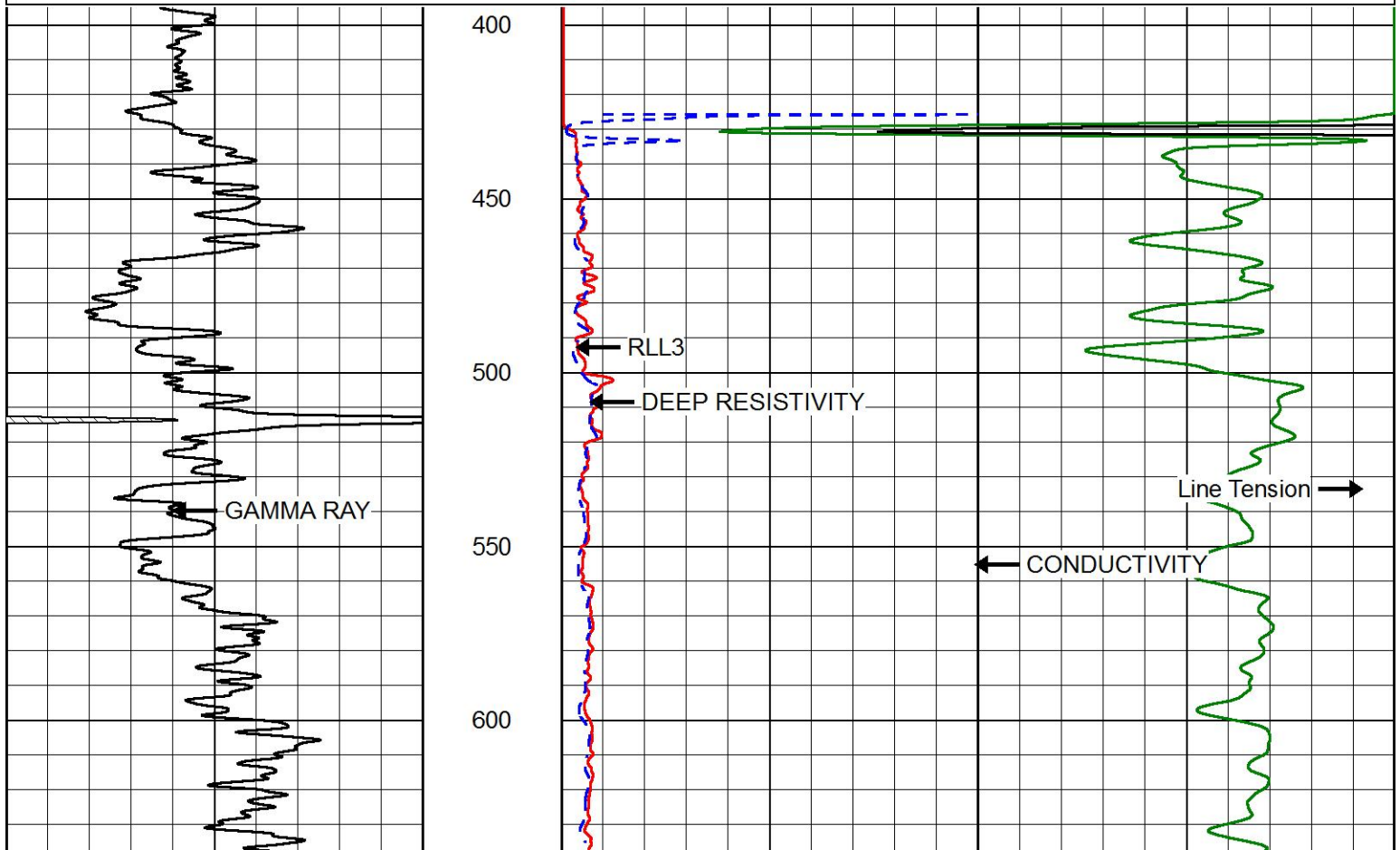
MAIN PASS

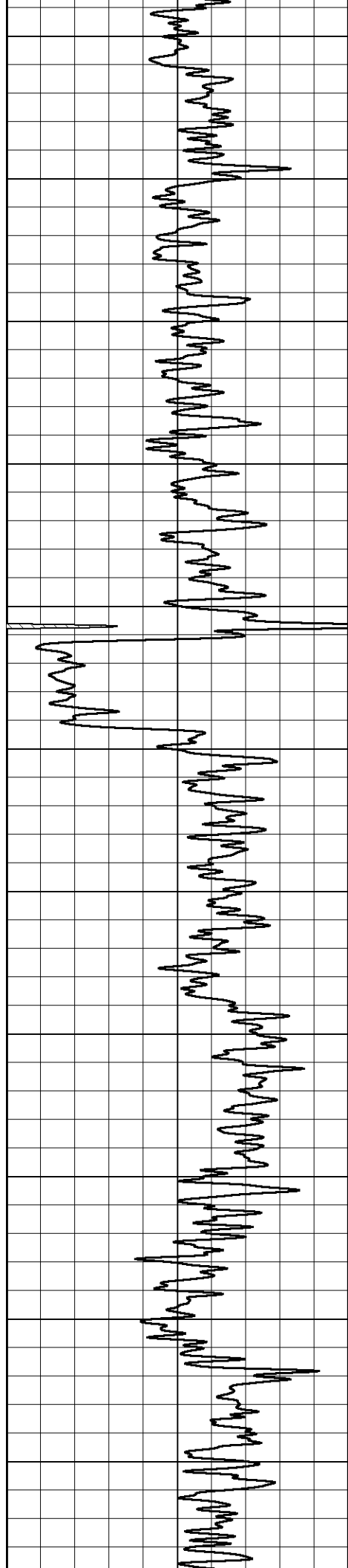
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Presentation Format dil2in
Dataset Creation Tue Mar 12 02:28:49 2019
Charted by Depth in Feet scaled 1:600

0 GAMMA RAY (GAPI) 150

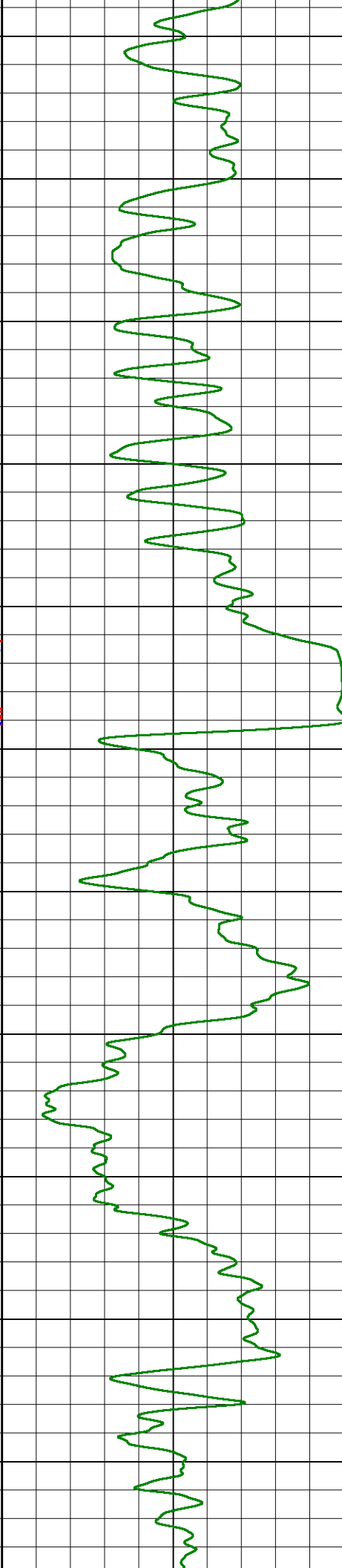
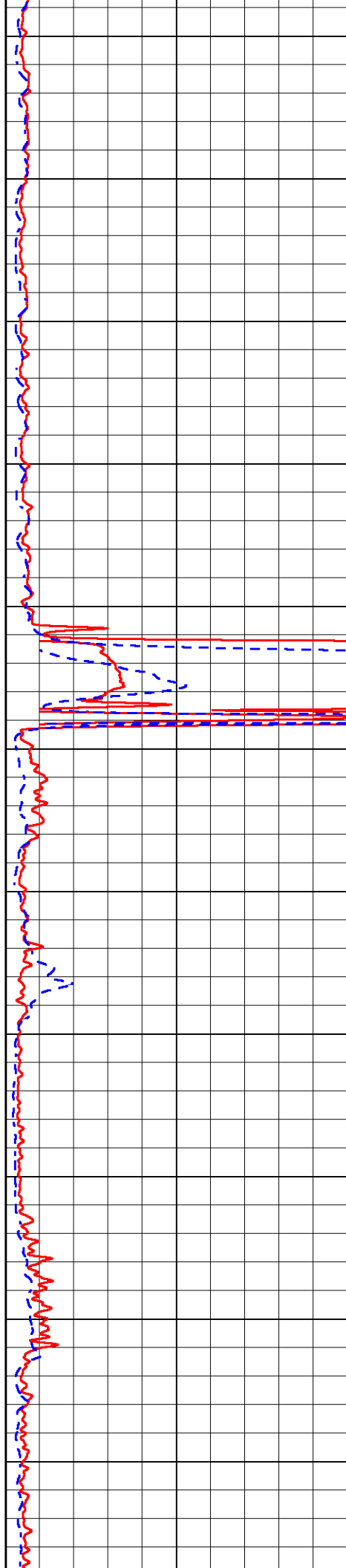
2000 CONDUCTIVITY (mmho/m) 0

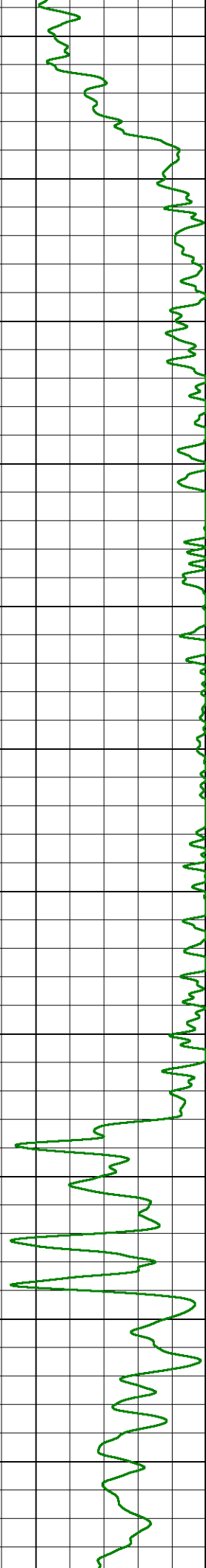
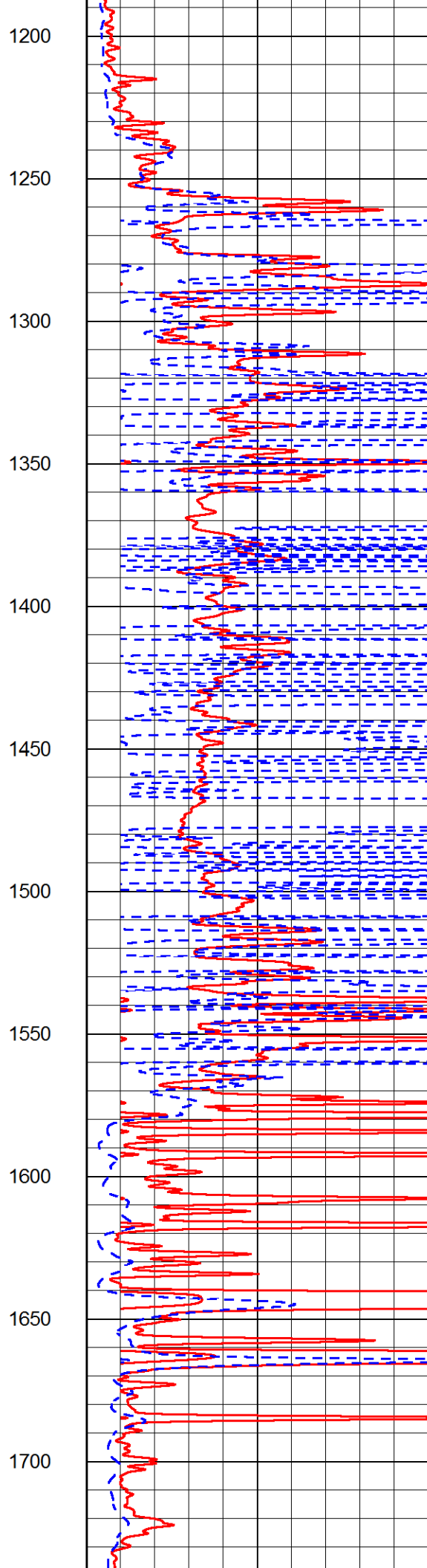
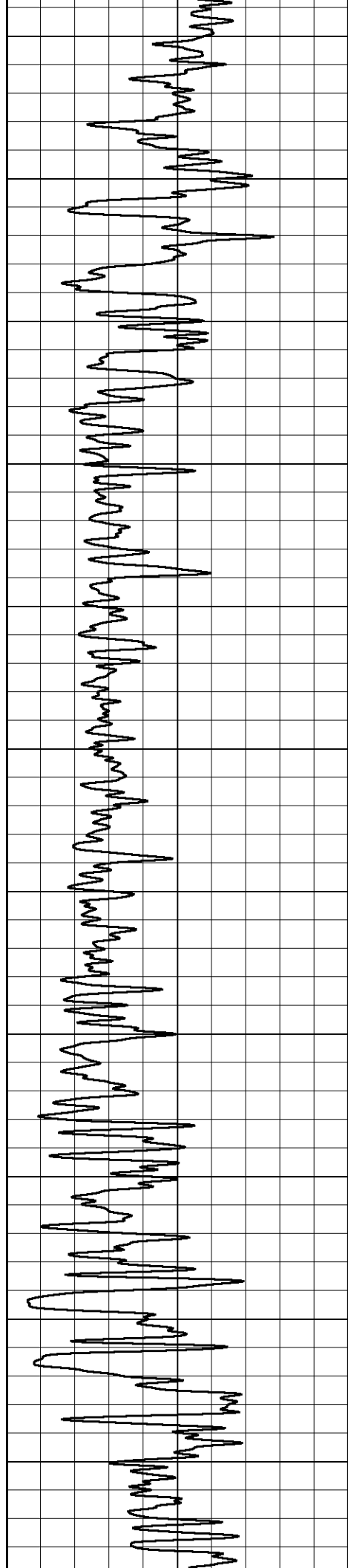
0	RLL3 (Ohm-m)	50
0	DEEP RESISTIVITY (Ohm-m)	50
50	RLL3 (Ohm-m)	500
50	DEEP RESISTIVITY (Ohm-m)	500

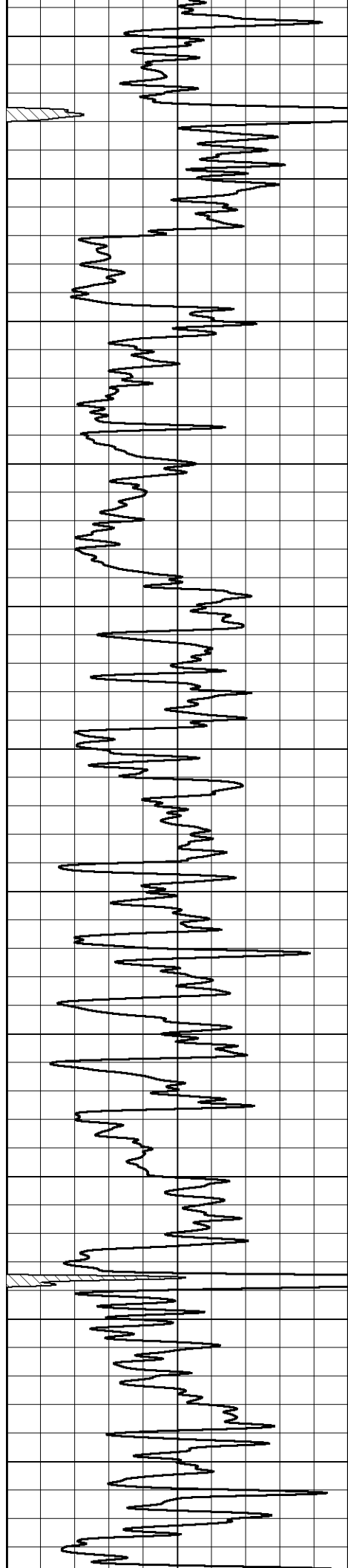




650
700
750
800
850
900
950
1000
1050
1100
1150







1750

1800

1850

1900

1950

2000

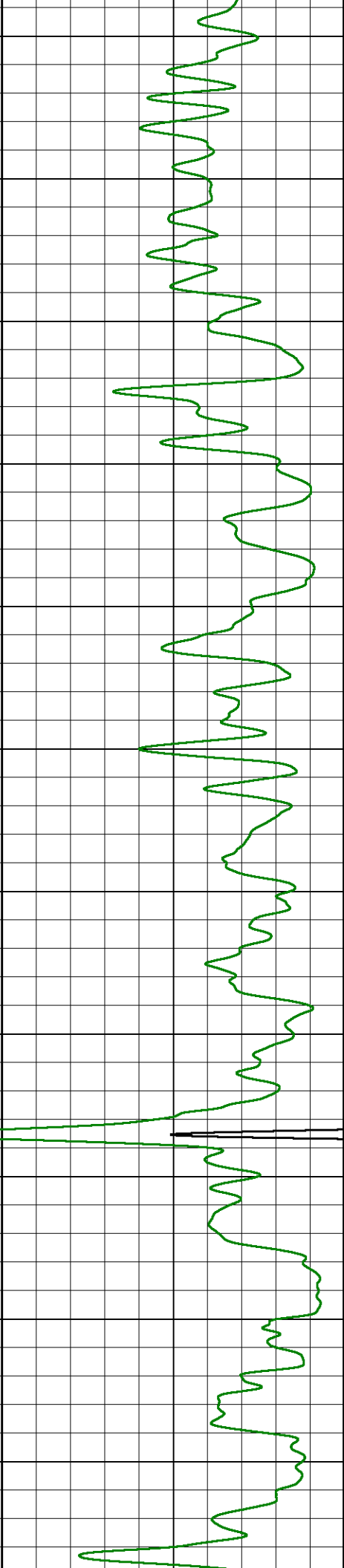
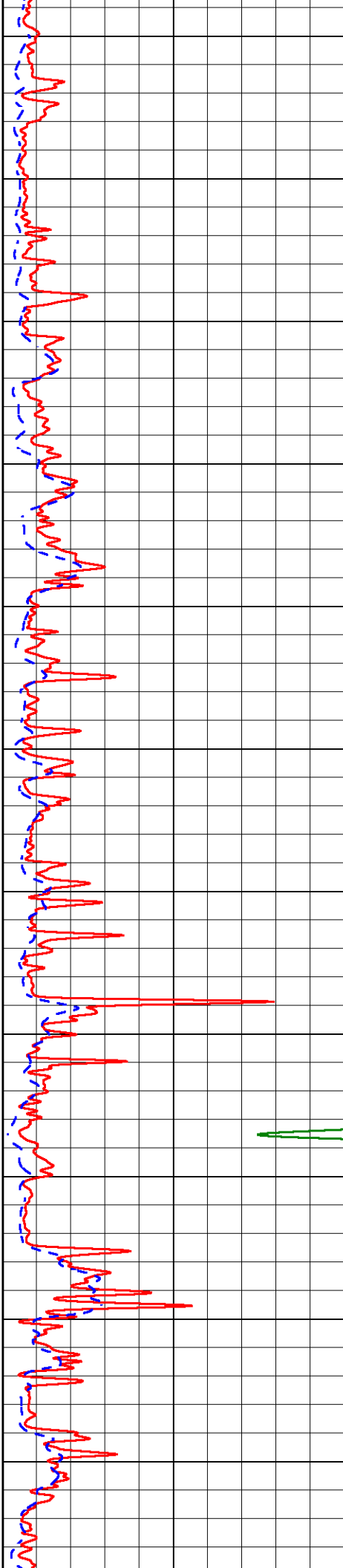
2050

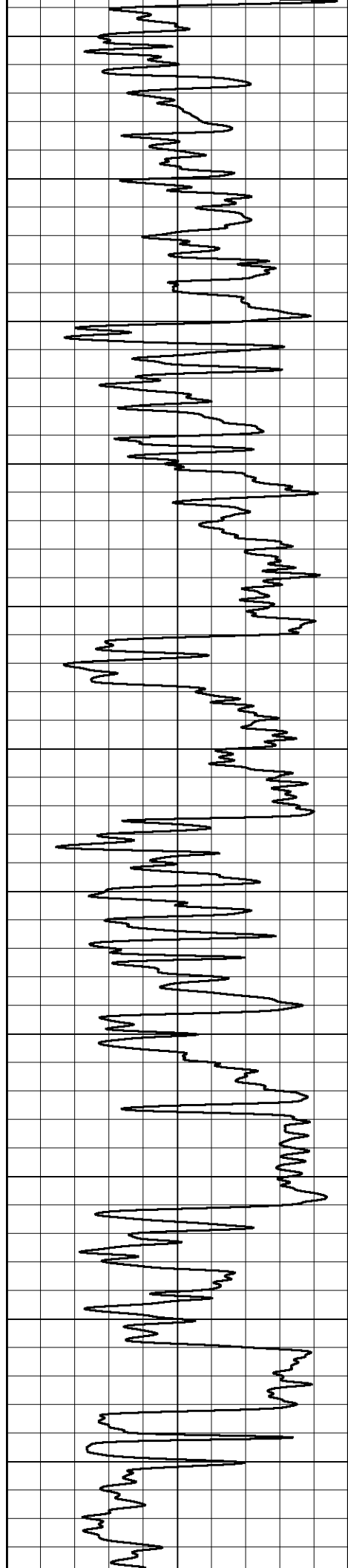
2100

2150

2200

2250





2300

2350

2400

2450

2500

2550

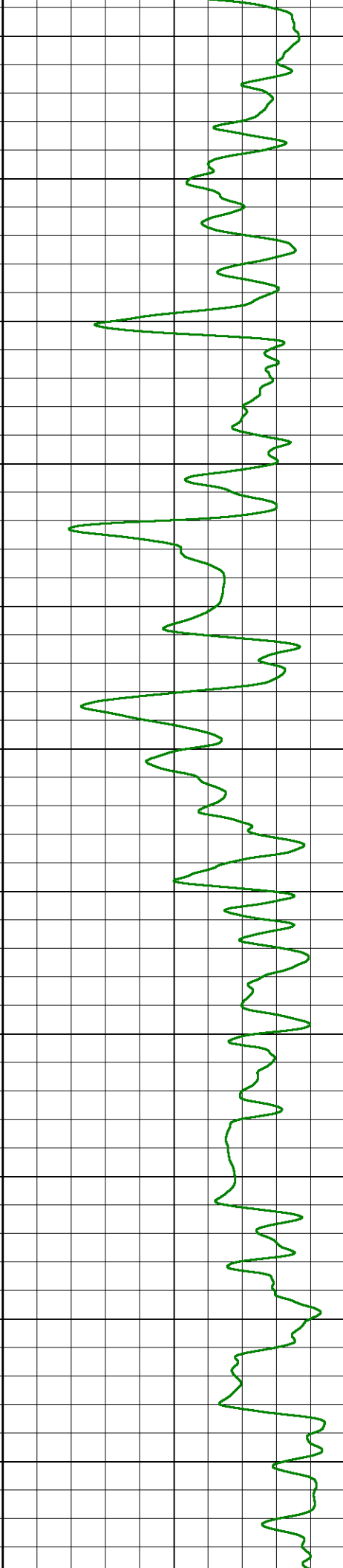
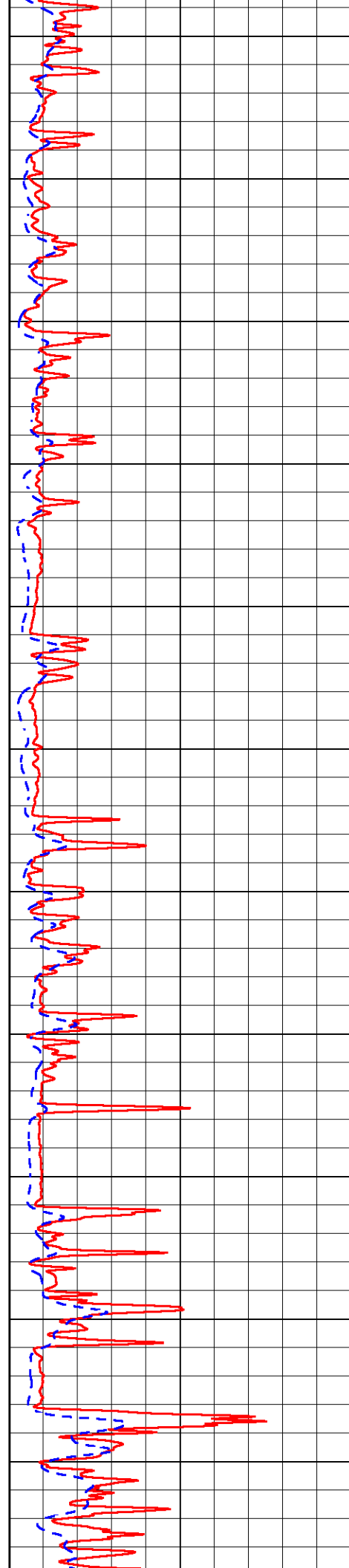
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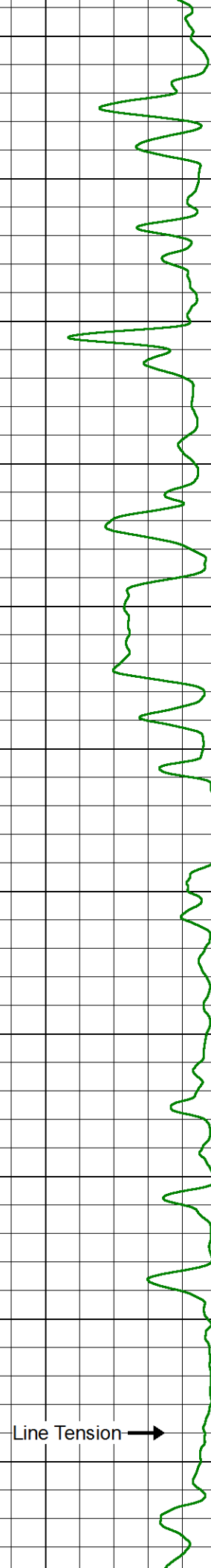
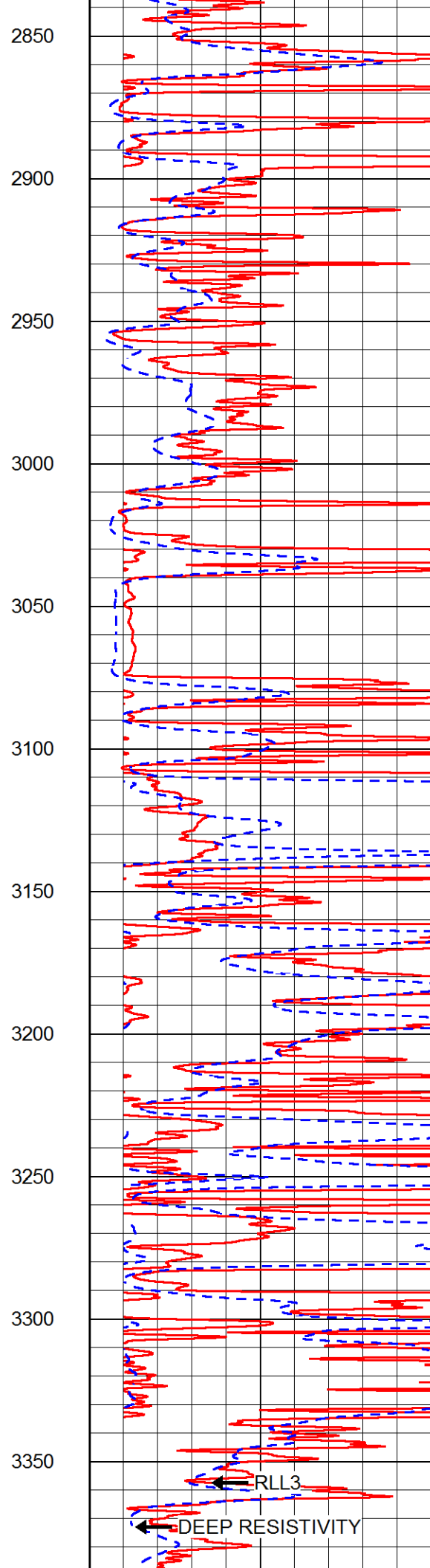
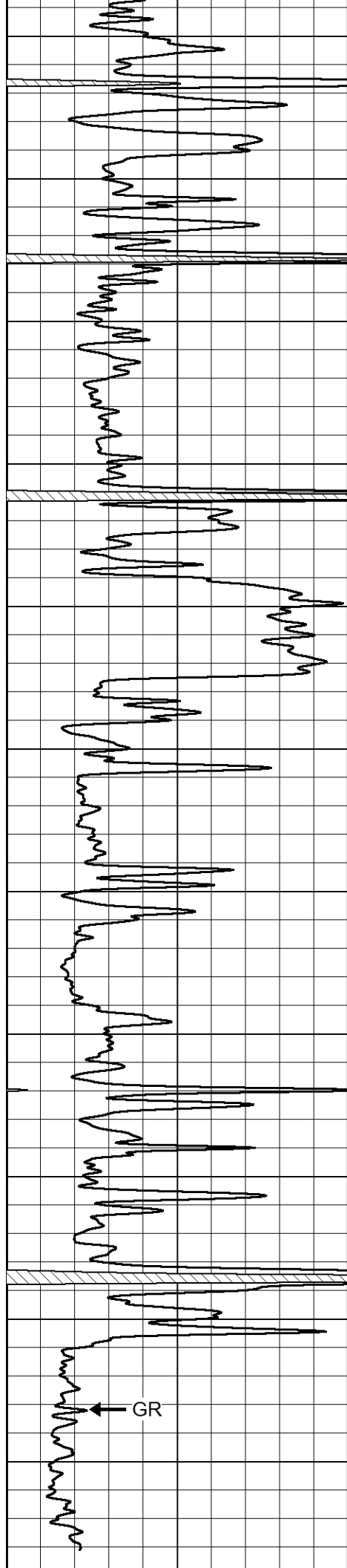
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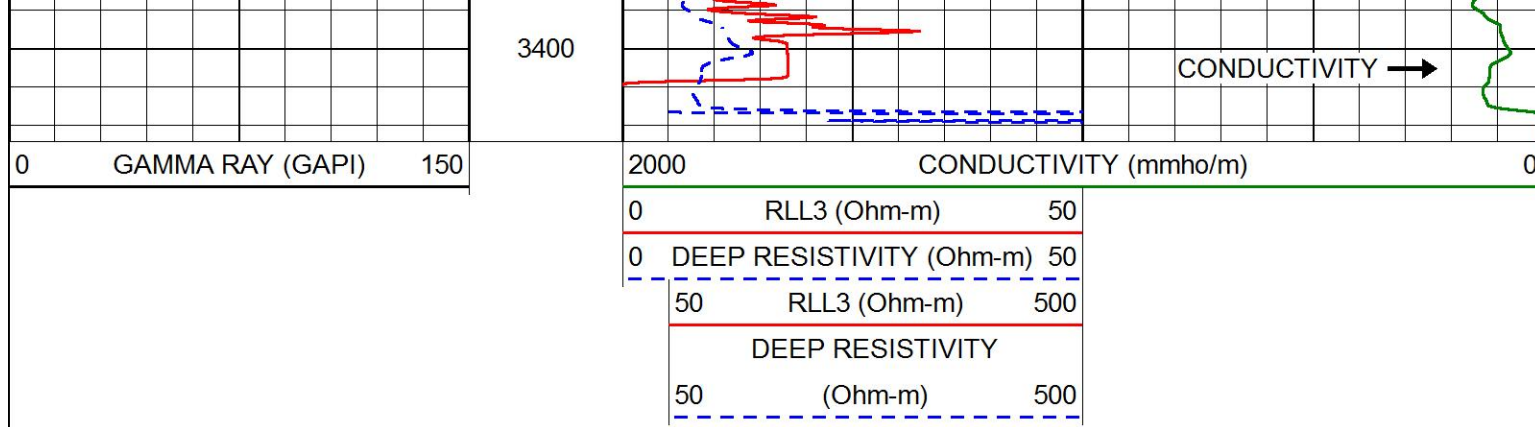
2700

2750

2800

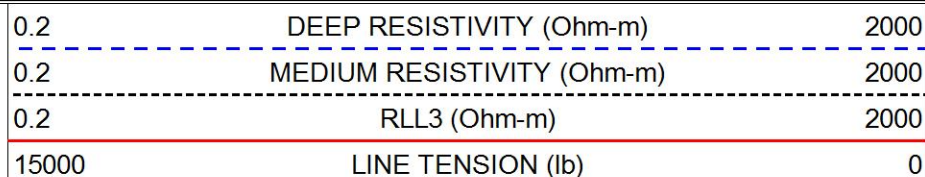
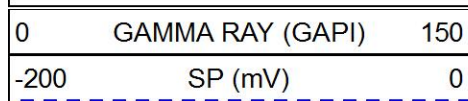






MAIN PASS

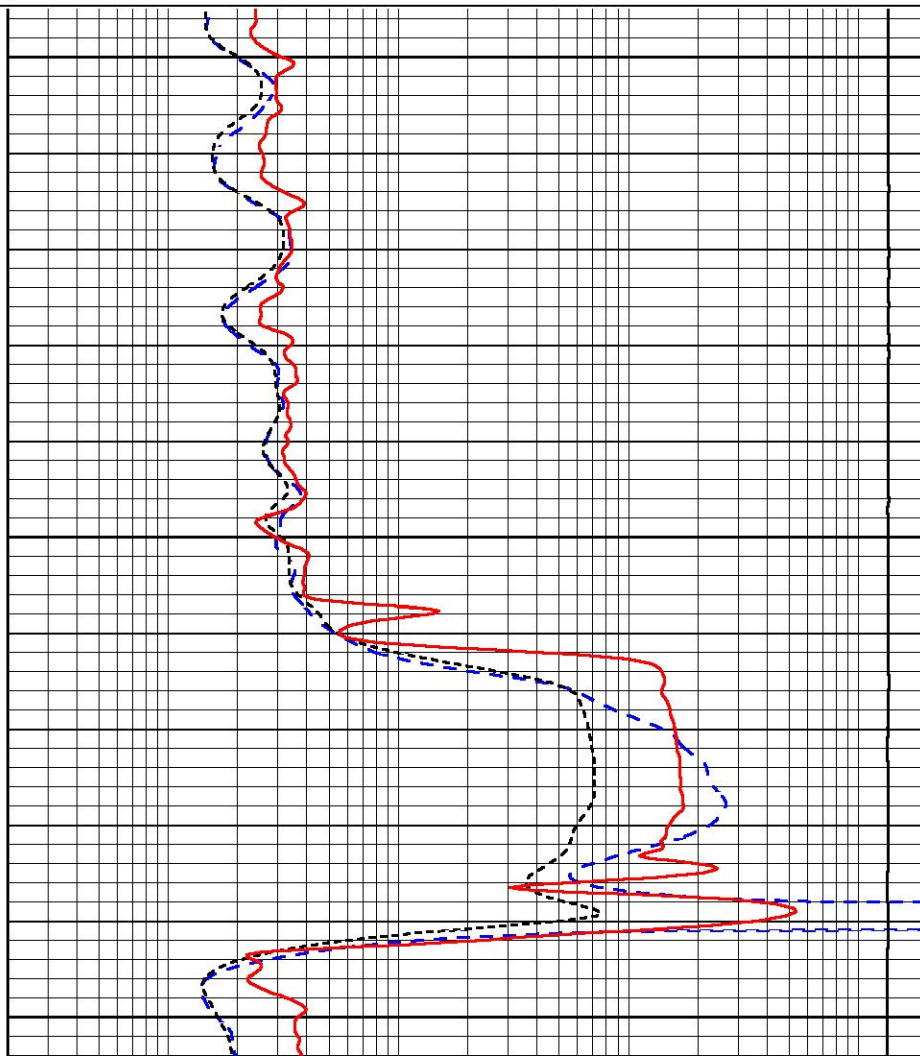
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Presentation Format dil
Dataset Creation Tue Mar 12 02:28:49 2019
Charted by Depth in Feet scaled 1:240

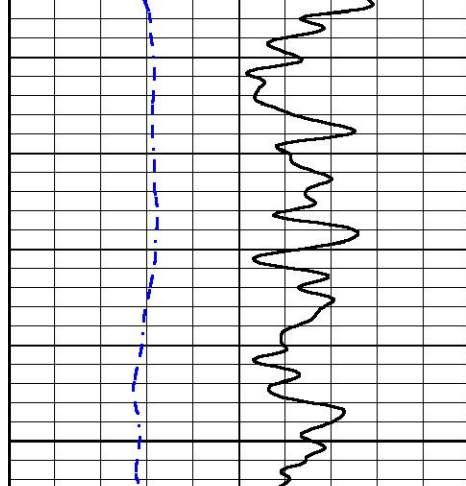


800

850

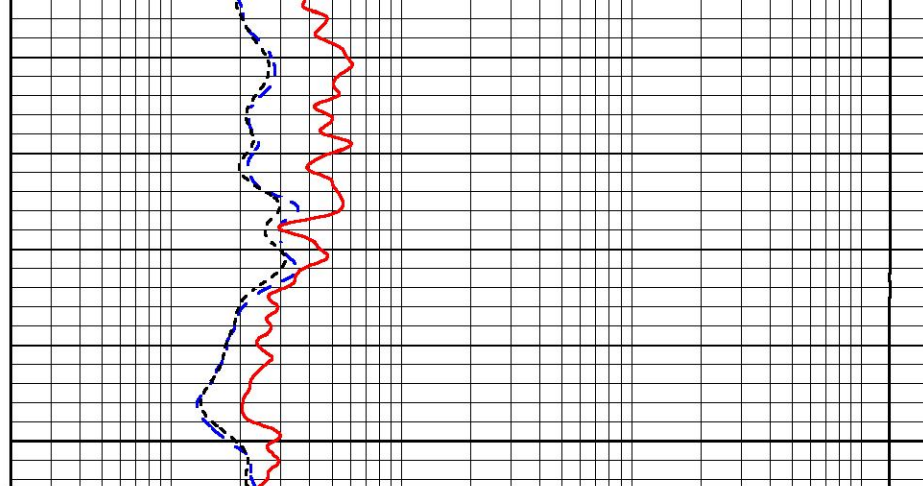
900





950

0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0



0.2 DEEP RESISTIVITY (Ohm-m) 2000
0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
15000 LINE TENSION (lb) 0

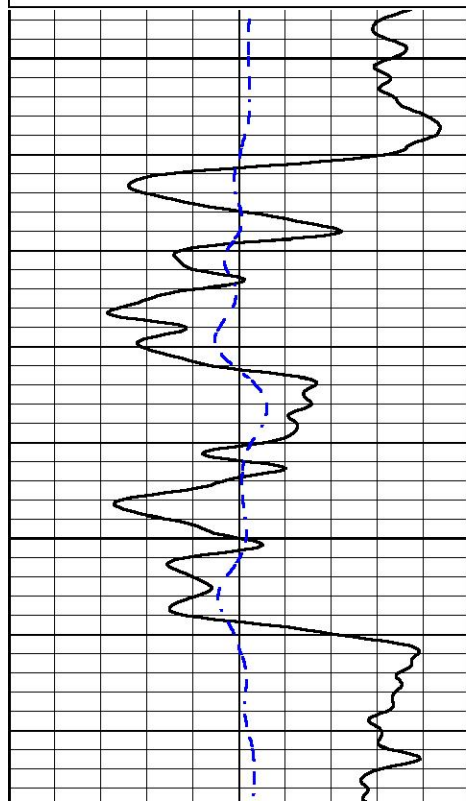


MAIN PASS

Database File c:\users\imabb\desktop\logs\larson\schneider c #10\larson_schneider_c_10.db
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Presentation Format dil
Dataset Creation Tue Mar 12 02:28:49 2019
Charted by Depth in Feet scaled 1:240

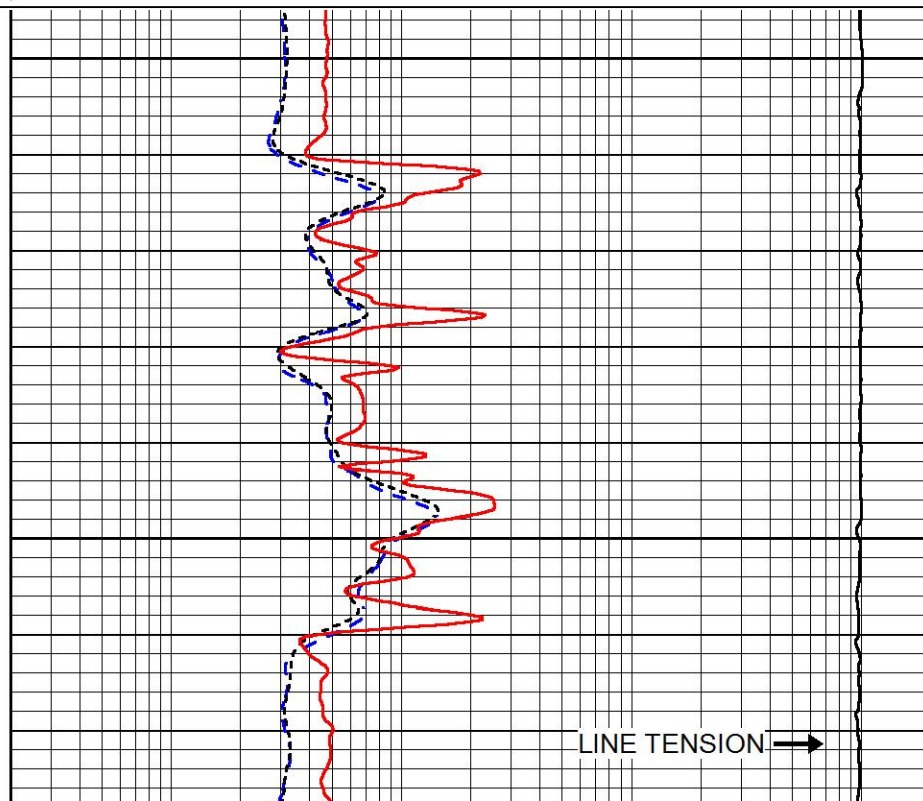
0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0

0.2 DEEP RESISTIVITY (Ohm-m) 2000
0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
15000 LINE TENSION (lb) 0

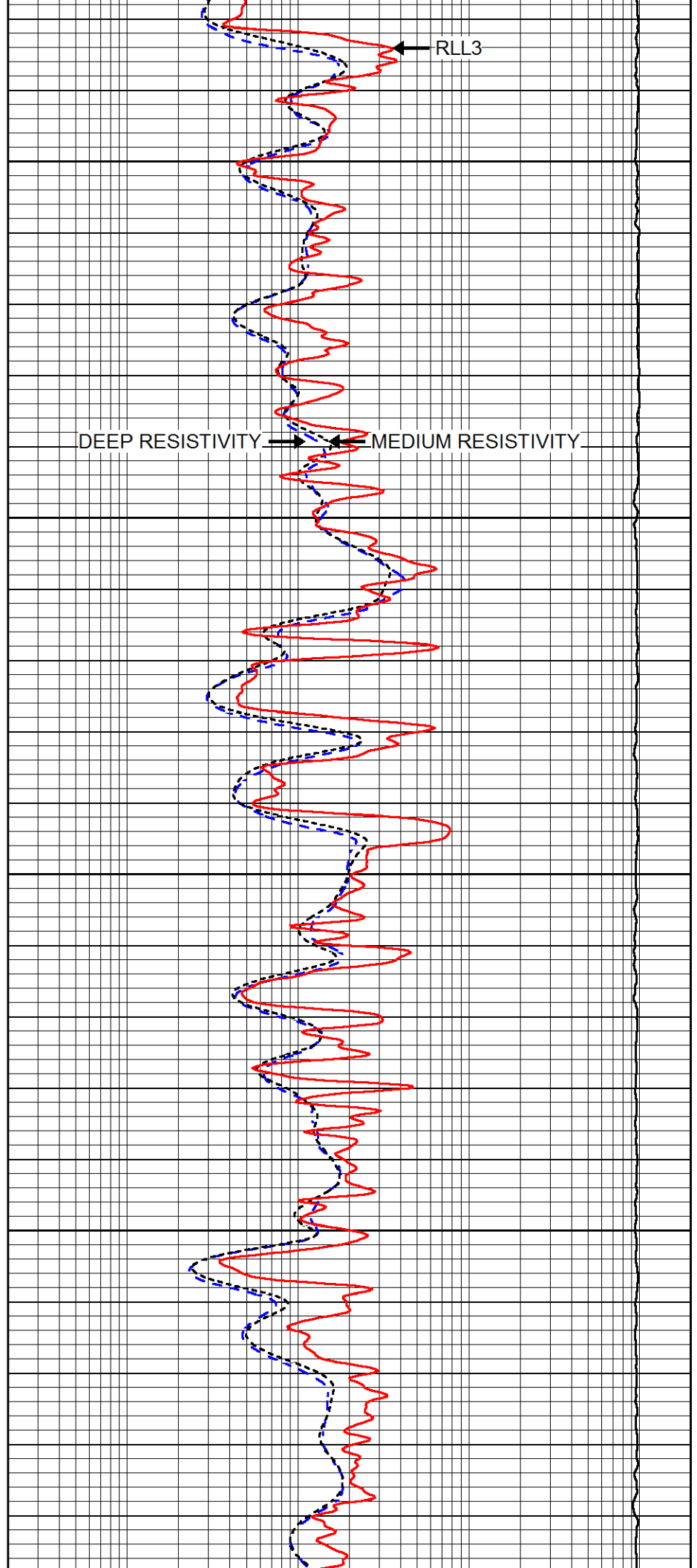
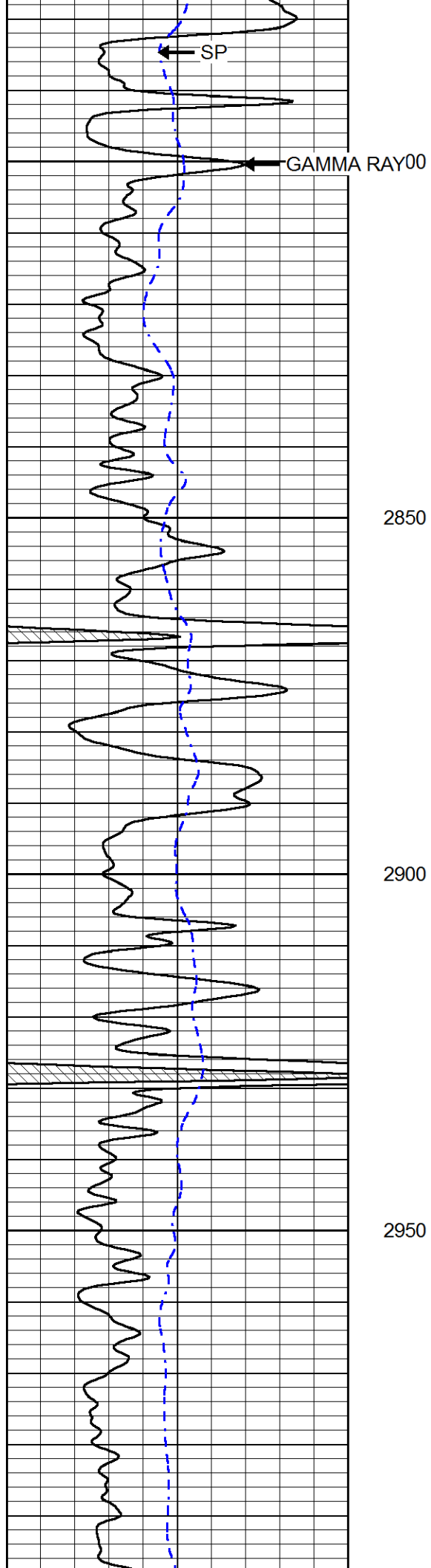


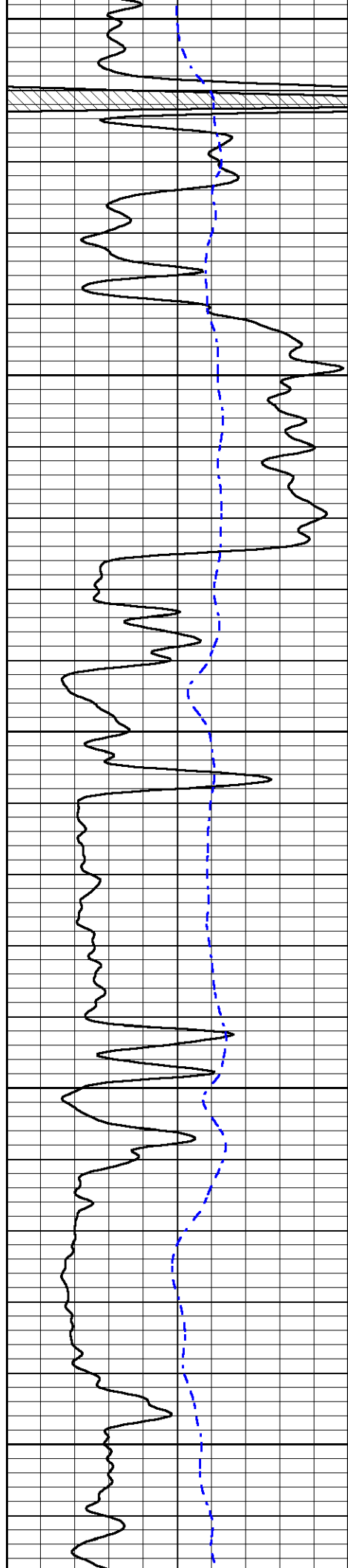
2700

2750



LINE TENSION →





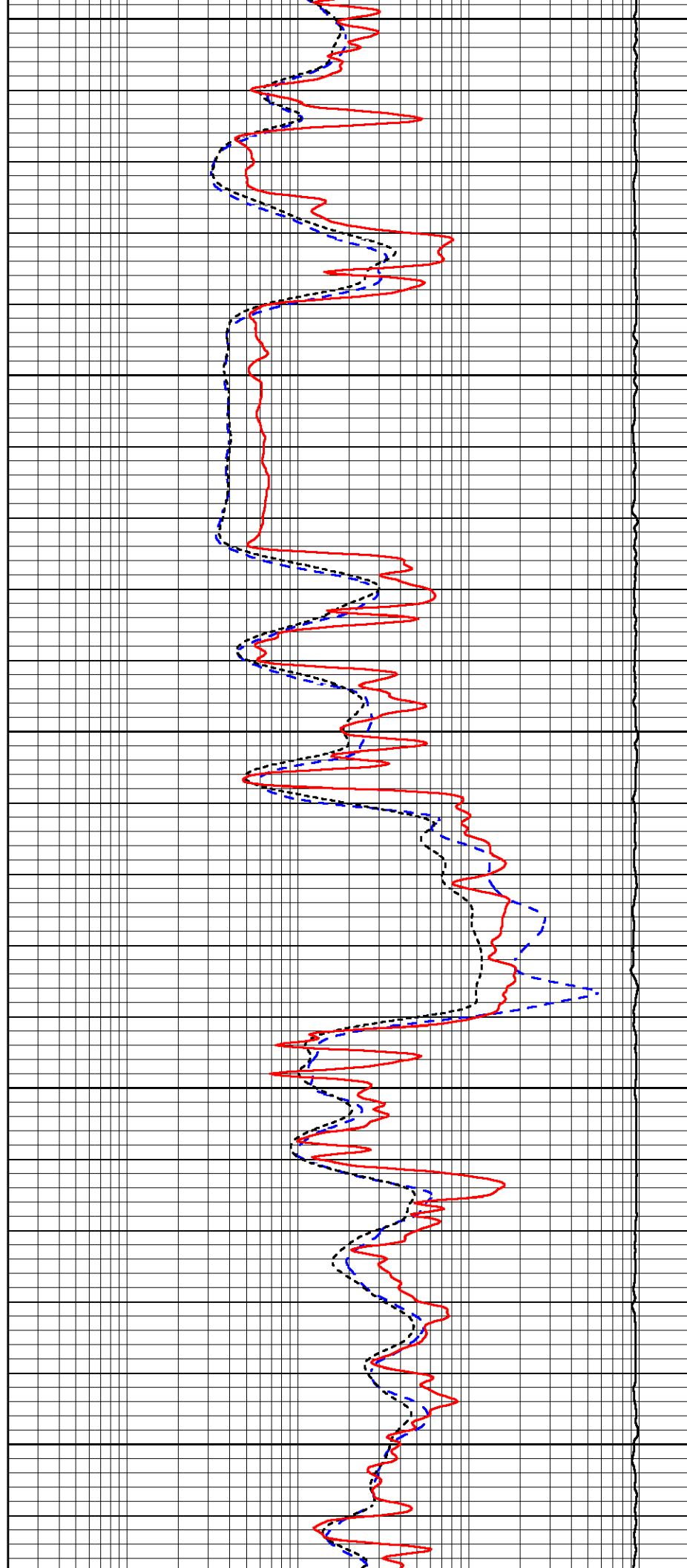
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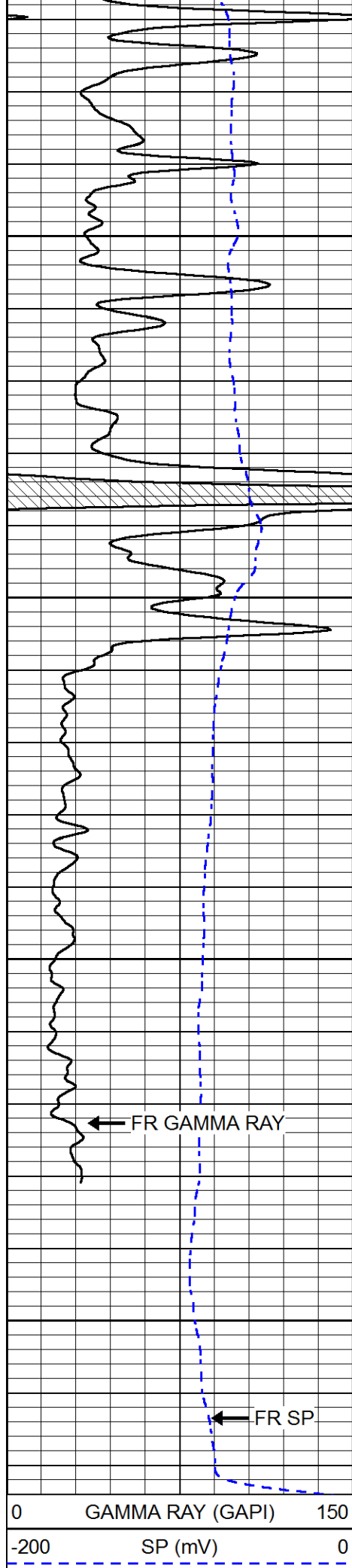
3050

3100

3150

3200



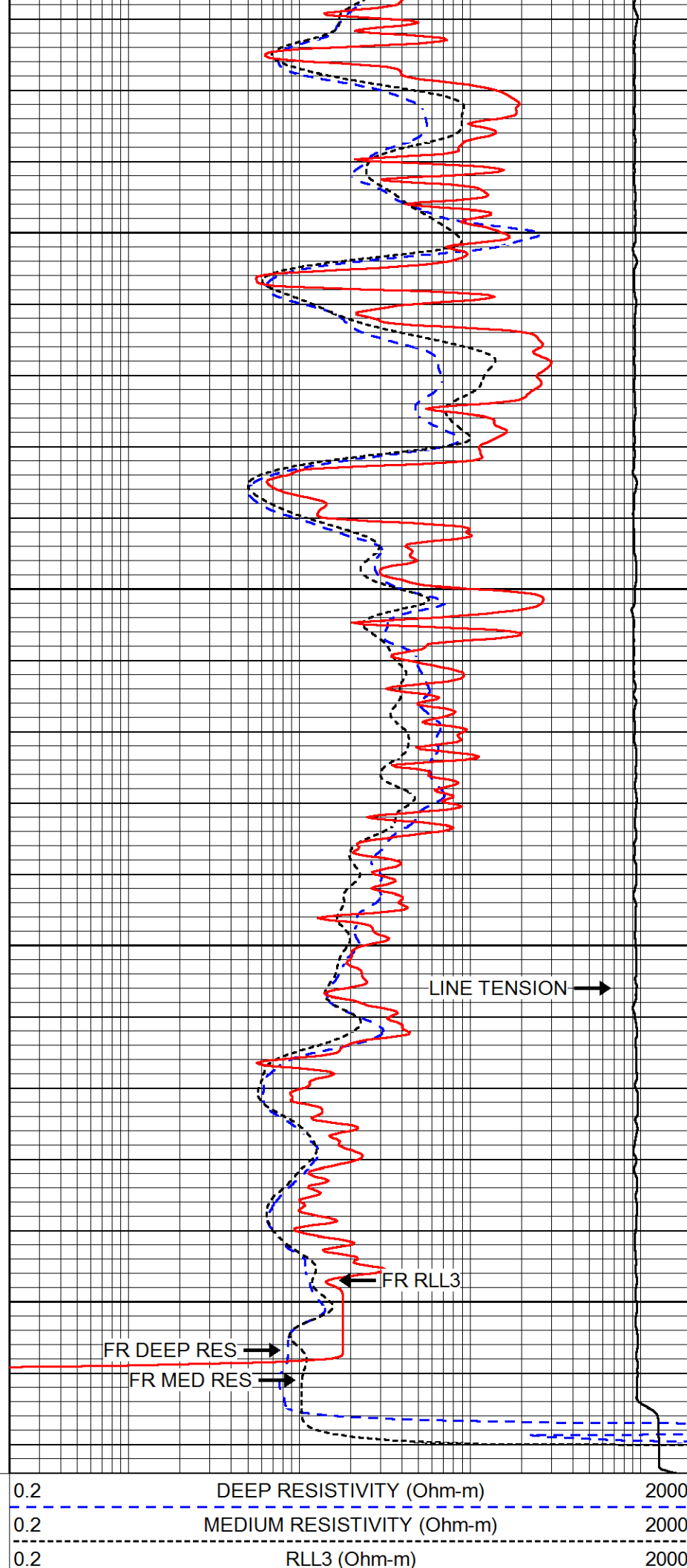


3250

3300

3350

3400



LINE TENSION →

FR RLL3

FR DEEP RES →

FR MED RES →

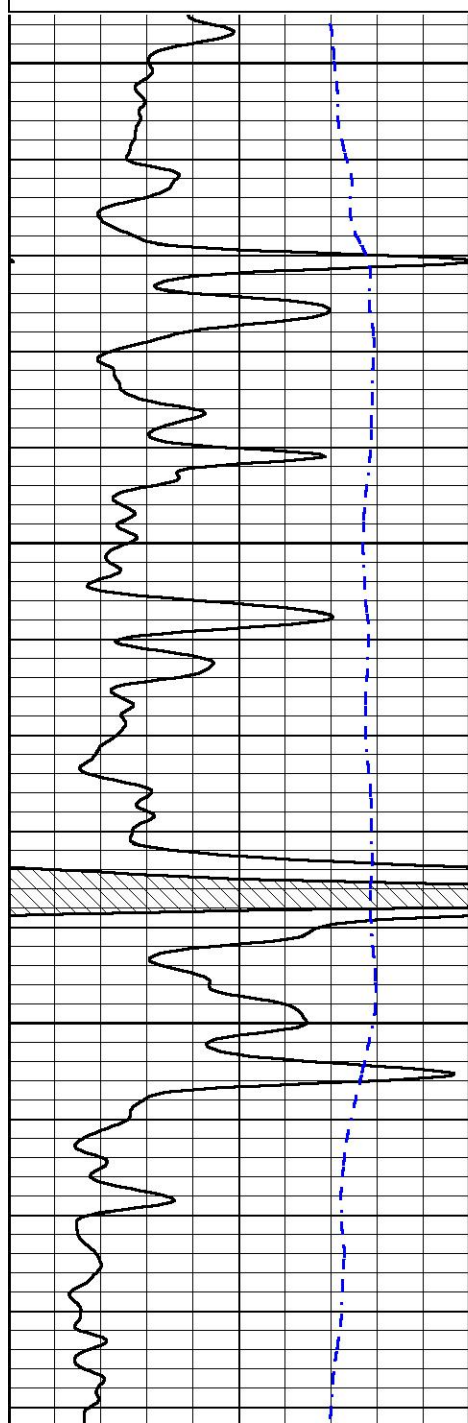


REPEAT SECTION

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0 GAMMA RAY (GAPI) 150
-200 SP (mV) 0

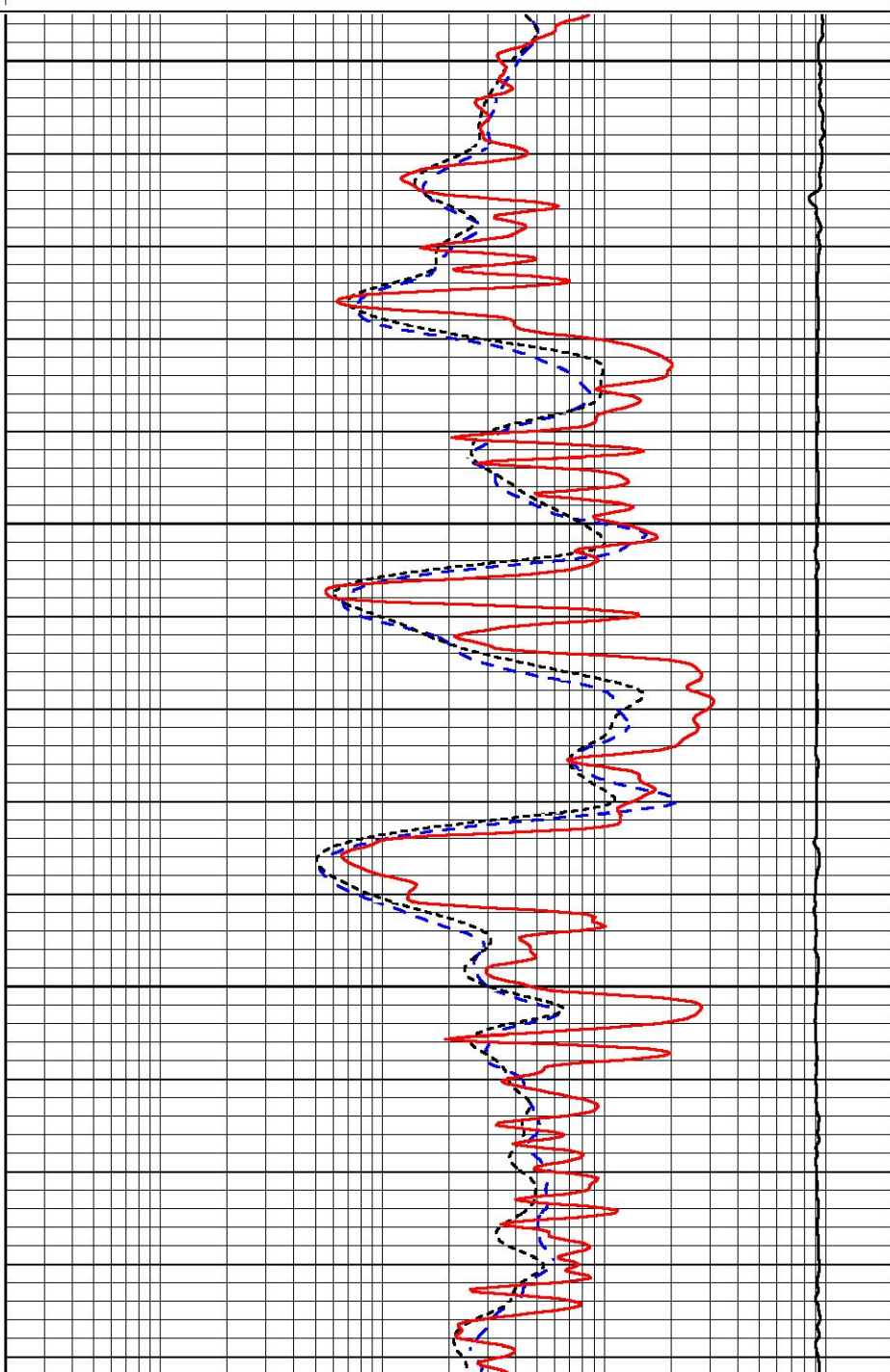
0.2 DEEP RESISTIVITY (Ohm-m) 2000
0.2 MEDIUM RESISTIVITY (Ohm-m) 2000
0.2 RLL3 (Ohm-m) 2000
15000 LINE TENSION (lb) 0

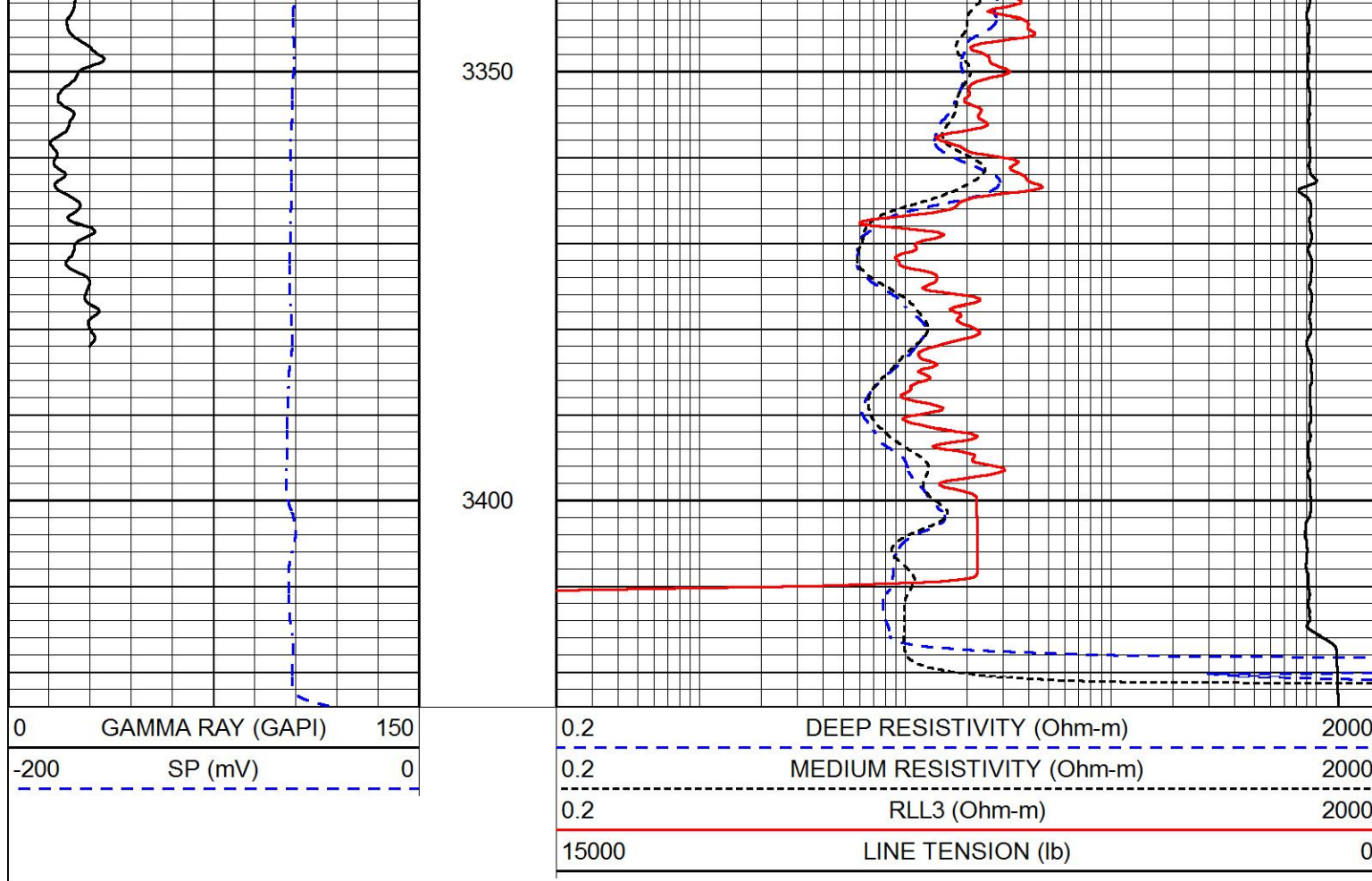


3200

3250

3300





 PIONEER Pioneer Energy Services	Company	LARSON ENGINEERING, INC.
	Well	SCHNEIDER C #10
	Field	TRAPP
	County	BARTON
	State	KANSAS