PACIFIC SURVEYS

ELECTRIC LOG
LATEROLOG 3
GAMMA RAY

Job No.
13747

File No.

Company	U.S.G.S.
Well	SDOT
Field	CHULA VISTA
County	SAN DIEGO
State	CA

Location:

2387 FAIVRE ST.

Sec. Twp. Rge.

Other Services:

GR/LL3
CALIPER
SONIC/VDL

Permanent Datum	G.L.	Elevation above perm. datum	Elevation
Log Measured From	ROTARY TABLE 4'		K.B.
Drilling Measured From	ROTARY TABLE		D.F.
			G.L.

Date	3-10-08
Run Number	ONE
Depth Driller	1610'
Depth Logger	1617'
Bottom Logged Interval	1616'
Top Log Interval	80'
Casing Driller	16" @ 100'
Casing Logger	100'
Bit Size	SEE COMMENTS
Type Fluid in Hole	BENTONITE
Density / Viscosity	N/A
pH / Fluid Loss	N/A
Source of Sample	PIT
Rm @ Meas. Temp	5.1 @ 77F
Rmf @ Meas. Temp	5.6 @ 77F
Rmc @ Meas. Temp	N/A
Source of Rmf / Rmc	MEAS
Rm @ BHT	N/A
Time Circulation Stopped	N/A
Time Logger on Bottom	12:30 PM
Max. Recorded Temperature	N/A
Equipment Number	PS-2
Location	L.A.
Recorded By	LAPORTE
Witnessed By	O'LEARY

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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

BIT SIZES:
100'-380'= 12.25"
380'-1000'= 9.875"
1000'-T.D.= 7.875"

ELOG Calibration Report

Serial: D1
Model: DTQ

Shop Calibration Performed: Thu Feb 07 16:41:10 2008
Before Survey Verification Performed: Thu Feb 07 16:27:48 2008
After Survey Verification Performed: Wed Aug 08 11:59:21 2007

Shop Calibration

	Readings Zero	Readings Cal		References Zero	References Cal		Results Gain	Results Offset
Short	9.254	100.643		10.200	102.200	Ohm-m	1.007	0.884
Long	10.285	99.536		10.200	102.200	Ohm-m	1.031	-17.567
IEE	122.500	4787.241	counts	0.134	5.239	A		
VSN	19.333	5358.371	counts	0.369	102.204	V		
VLN	202.361	1441.519	counts	3.860	27.495	V		

Before Survey Verification

	Readings Zero	Readings Cal		References Zero	References Cal		Results Gain	Results Offset
Short	2.141	99.805		4.899	98.795	Ohm-m	0.961	2.840
Long	275.305	106.928		106.443	106.443	Ohm-m	1.502	-54.132
IEE	169.722	5002.222	counts	0.186	5.474	A		
VSN	4.083	5609.056	counts	0.078	106.986	V		
VLN	131.241	1502.343	counts	2.503	28.655	V		

After Survey Verification

	Readings Zero	Readings Cal		References Zero	References Cal		Results Gain	Results Offset
Short	5.001	99.646		2.141	99.805	Ohm-m	1.032	-3.020
Long	331.859	109.647		106.928	106.928	Ohm-m	0.758	23.845
IEE	186.358	5012.295	counts	0.204	5.485	A		
VSN	10.472	5611.419	counts	0.200	107.031	V		
VLN	173.708	1543.657	counts	3.313	29.443	V		

After Survey Verification compared to Before Survey Calibration

	Zero Before	Zero After		Cal Before	Cal After	
Short	4.899	2.141	Ohm-m	98.795	99.805	Ohm-m
Long	359.298	275.305	Ohm-m	106.443	106.928	Ohm-m

Gamma Ray Calibration Report

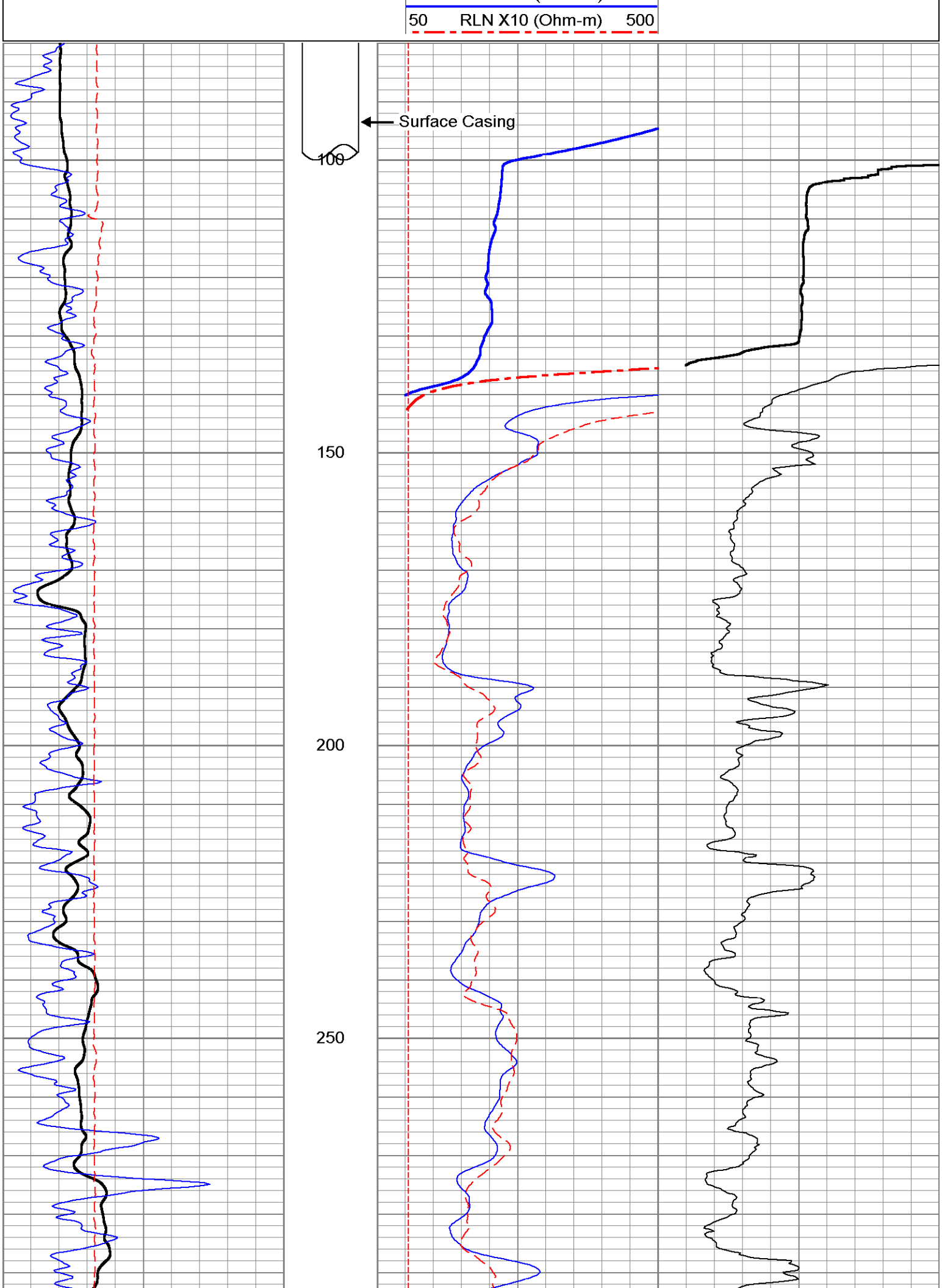
Serial Number:	D1	
Tool Model:	ELOG	
Performed:	Tue Nov 13 14:51:37 2007	
Calibrator Value:	162	GAPI
Background Reading:	167.616	cps
Calibrator Reading:	723.89	cps
Sensitivity:	0.291222	GAPI/cps

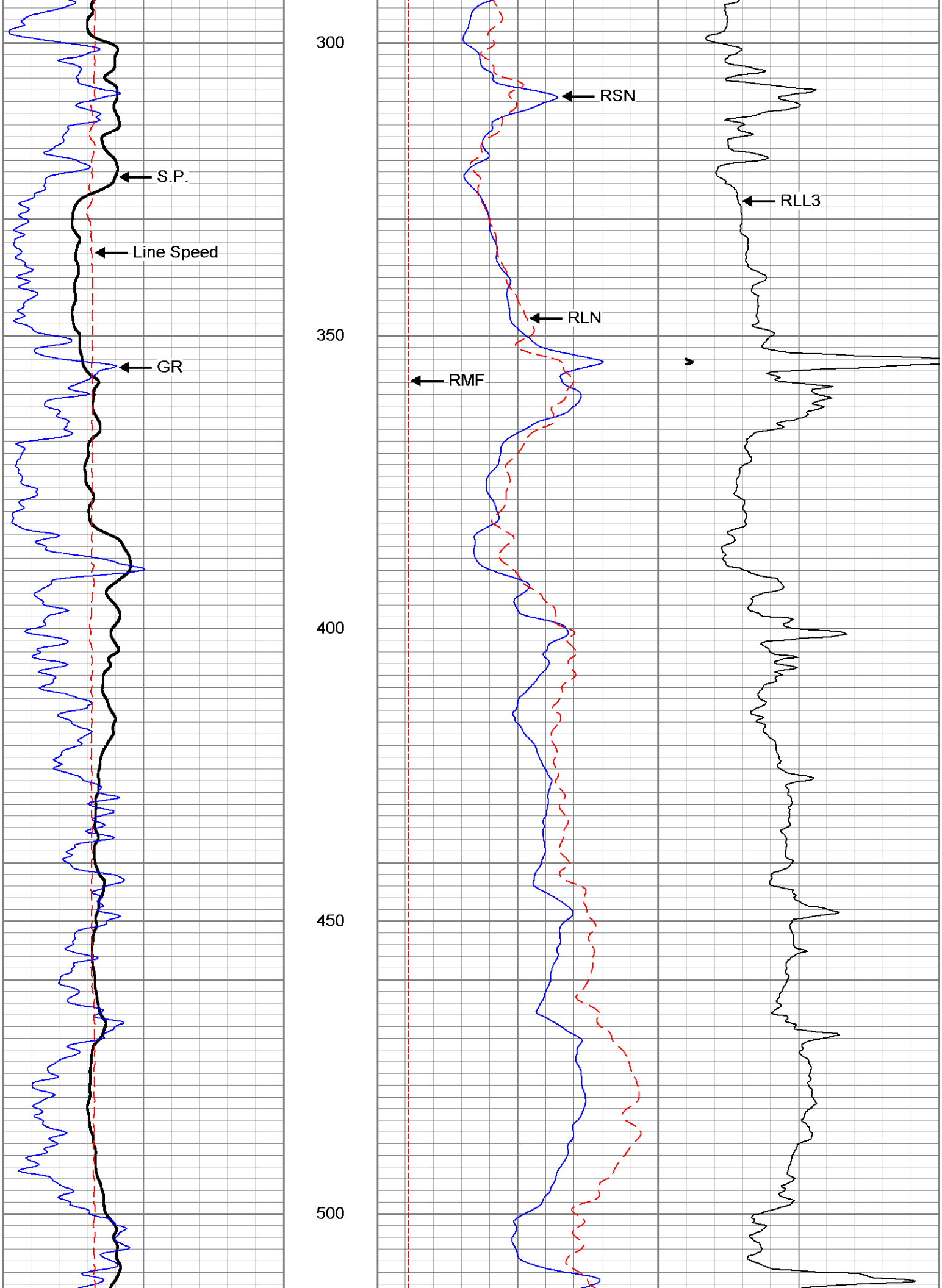
Database File:	13747.db
Dataset Pathname:	USGS/SDOT/run1/Elog
Presentation Format:	ELOG2
Dataset Creation:	Mon Mar 10 11:29:23 2008 by Log 6.0
Charted by:	Depth in Feet scaled 1:240

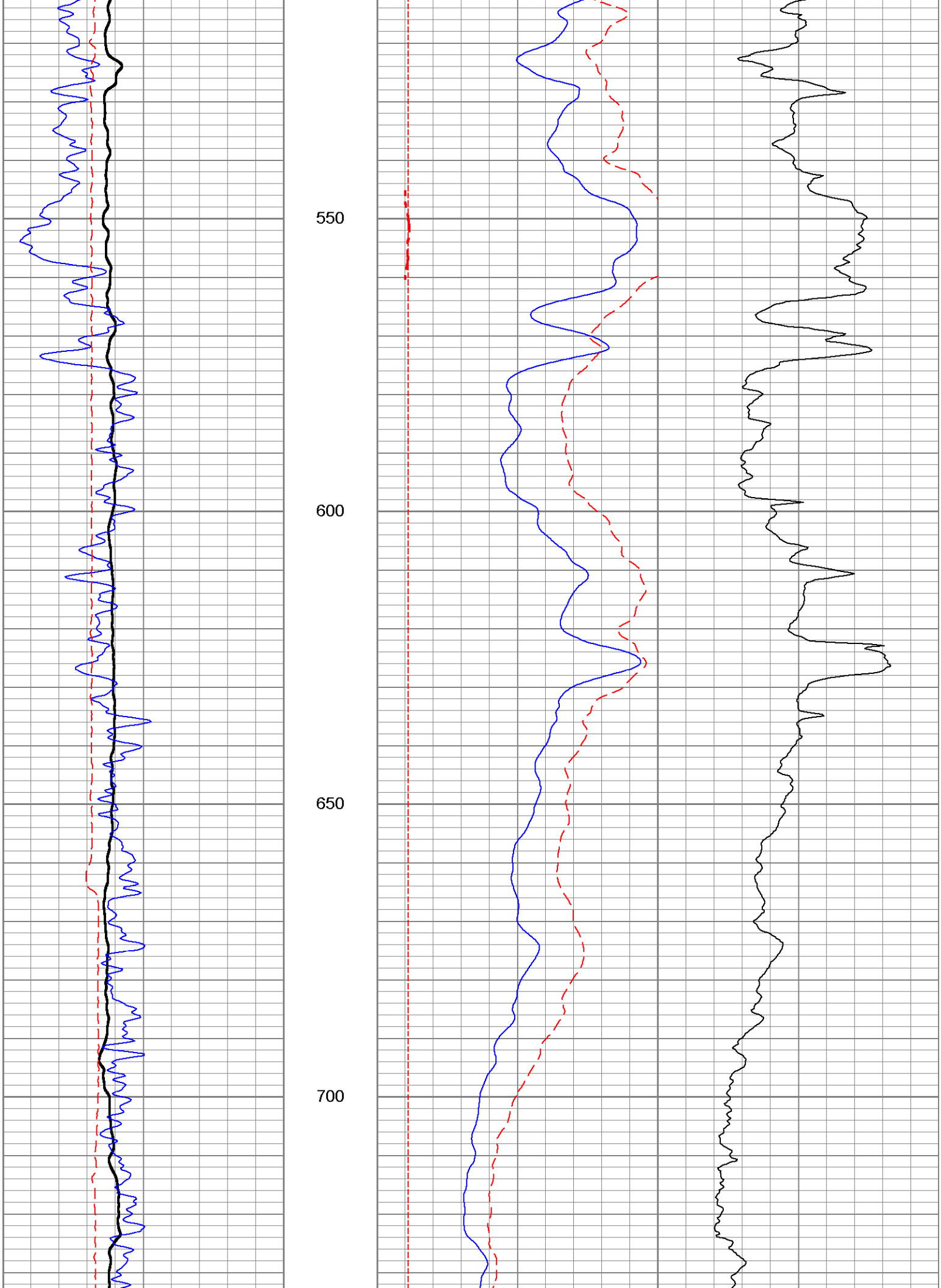
-50	S.P. (mV)	50
30	Gamma Ray (GAPI)	130
0	Line Speed (ft/min)	100

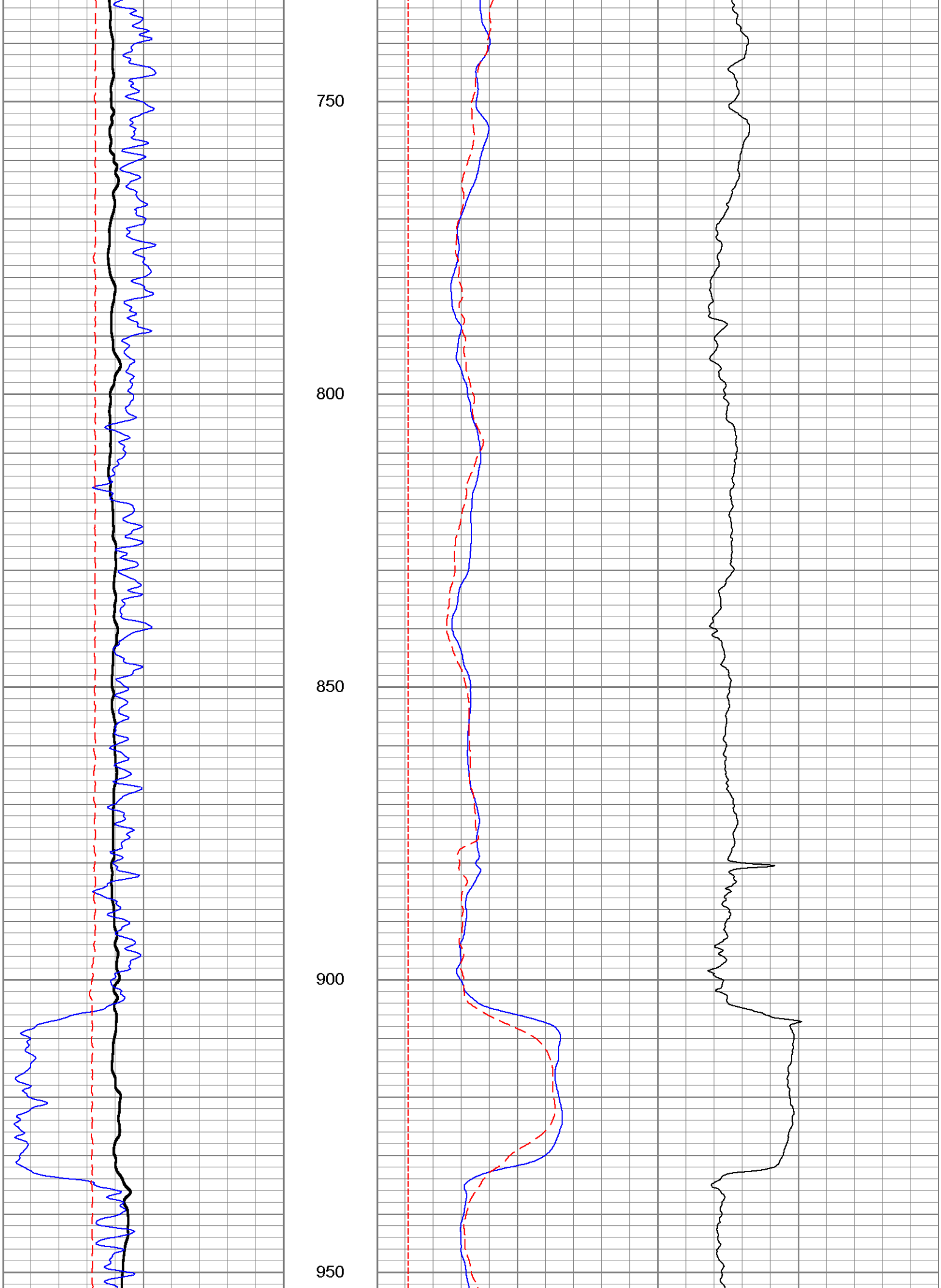
0	RSN (Ohm-m)	50
0	RLN (Ohm-m)	50
0	RMF (Ohm-m)	50
50	RSN X10 (Ohm-m)	500

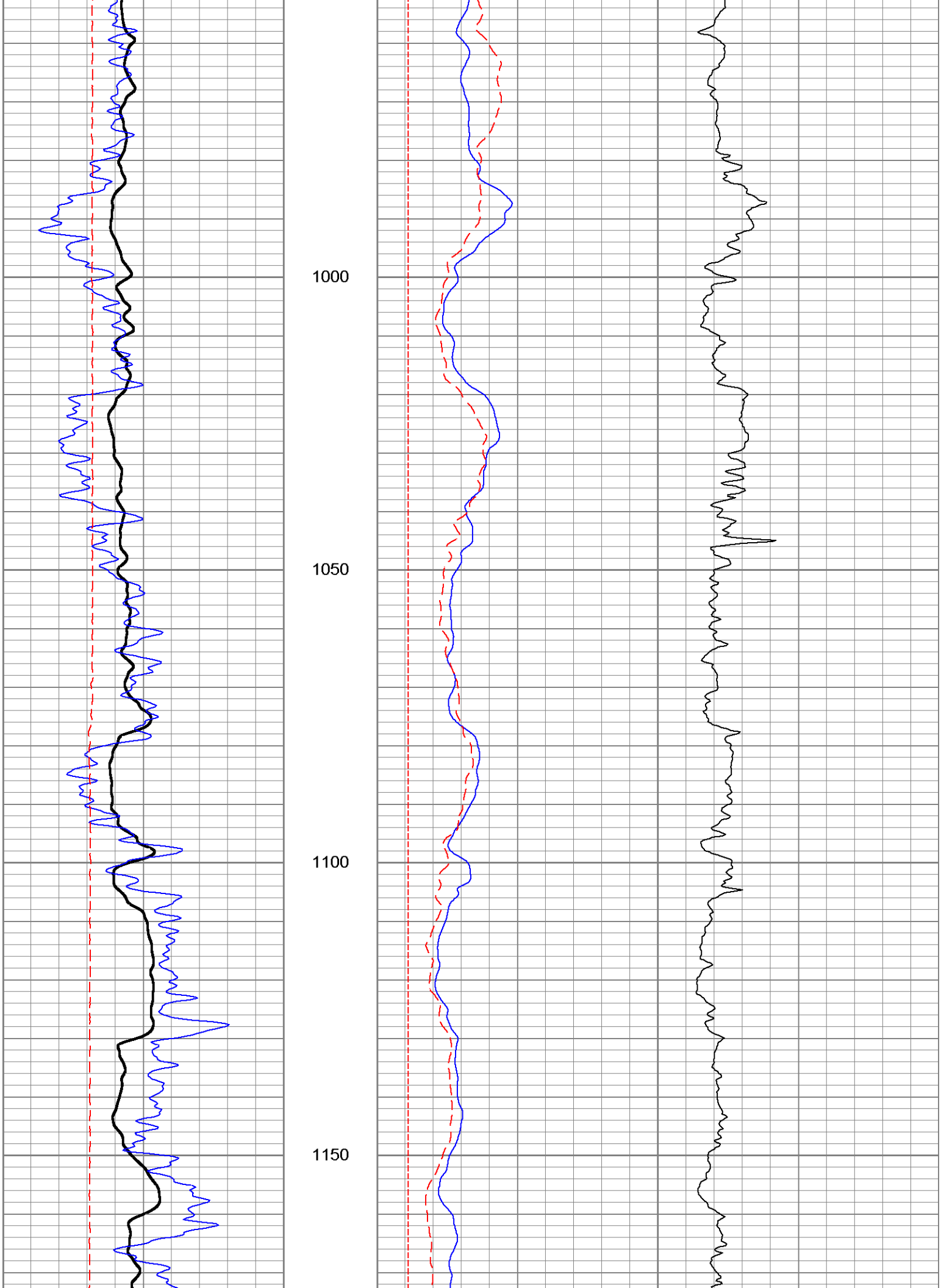
0	RLL3 (Ohm-m)	50
50	RLL3 X10 (Ohm-m)	500

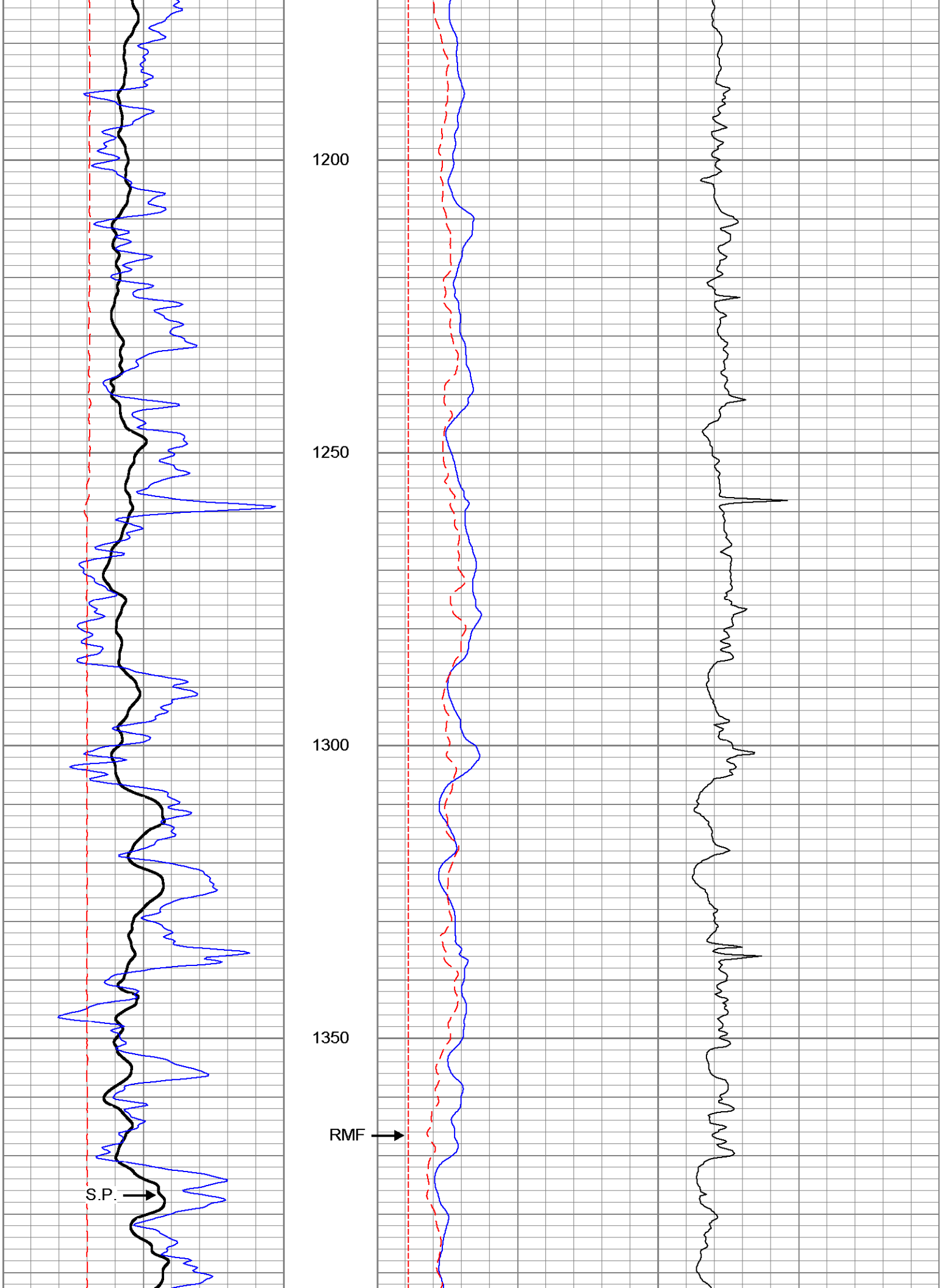

50
RLN X10 (Ohm-m)
500
Surface Casing
100
150
200
250

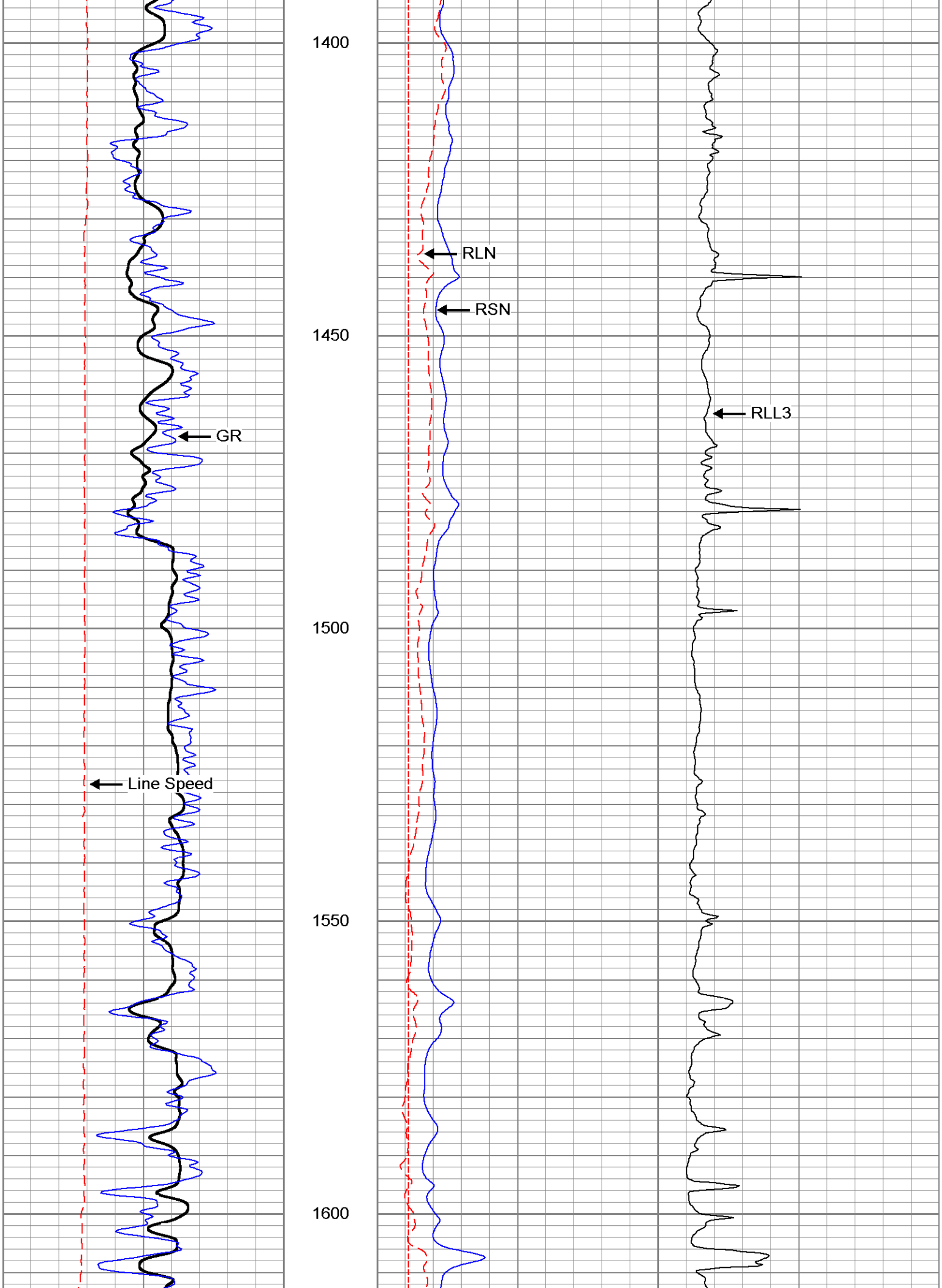

300
350
400
450
500
S.P.
Line Speed
GR
RSN
RLN
RMF
RLL3

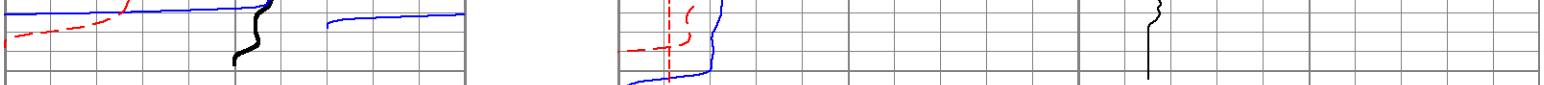

550
600
650
700


750
800
850
900
950


1000
1050
1100
1150


1200
1250
1300
1350
RMF
S.P.


1400
1450
1500
1550
1600
GR
Line Speed
RLN
RSN
RLL3



-50	S.P. (mV)	50
30	Gamma Ray (GAPI)	130
0	Line Speed (ft/min)	100

0	RSN (Ohm-m)	50
0	RLN (Ohm-m)	50
0	RMF (Ohm-m)	50
50	RSN X10 (Ohm-m)	500
50	RLN X10 (Ohm-m)	500

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