PIONEER

Pioneer Energy Services

Dual Induction Log

API No. 15-147-20732-00-00

Company Bach Oil Production

Well OFB #1

Field Wildcat

County Phillips State Kansas

Location NW NE SE SE
1045' FSL / 400' FEL
Sec: 2 Twp: 1S Rge: 19W

Other Services
CNL / CDL
MEL

Elevation
K.B. 2011
D.F.
G.L. 2006

Permanent Datum Ground Level Elevation 2006
Log Measured From Kelly Bushing 5 Ft. Above Perm. Datum
Drilling Measured From Kelly Bushing

Date	1/31/2014		
Run Number	One		
Depth Driller	3478		
Depth Logger	3468		
Bottom Logged Interval	3467		
Top Log Interval	200		
Casing Driller	8.625 @ 218		
Casing Logger	216		
Bit Size	7.875		
Type Fluid in Hole	Chemical		
Salinity,ppm CL	200		
Density / Viscosity	8.8 60		
pH / Fluid Loss	10.5 4.8		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.20 @ 50		
Rmf @ Meas. Temp	0.90 @ 50		
Rmc @ Meas. Temp	1.62 @ 50		
Source of Rmf / Rmc	Charts		
Rm @ BHT	0.54 @ 111		
Operating Rig Time	4 Hours		
Max. Rec. Temp. F	111		
Equipment Number	17		
Location	Hays		
Recorded By	R. Barnhart		
Witnessed By	Bob Petersen		

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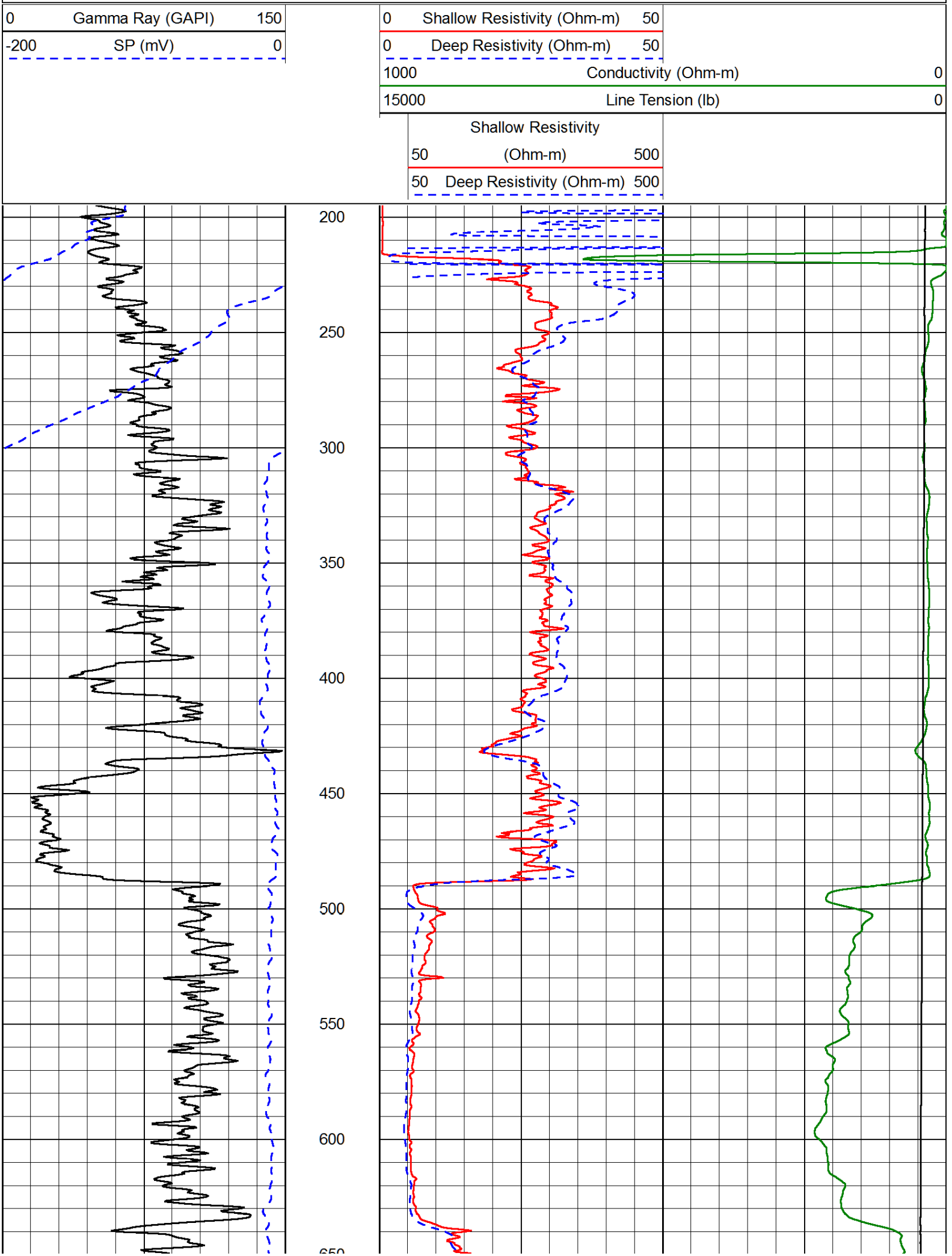
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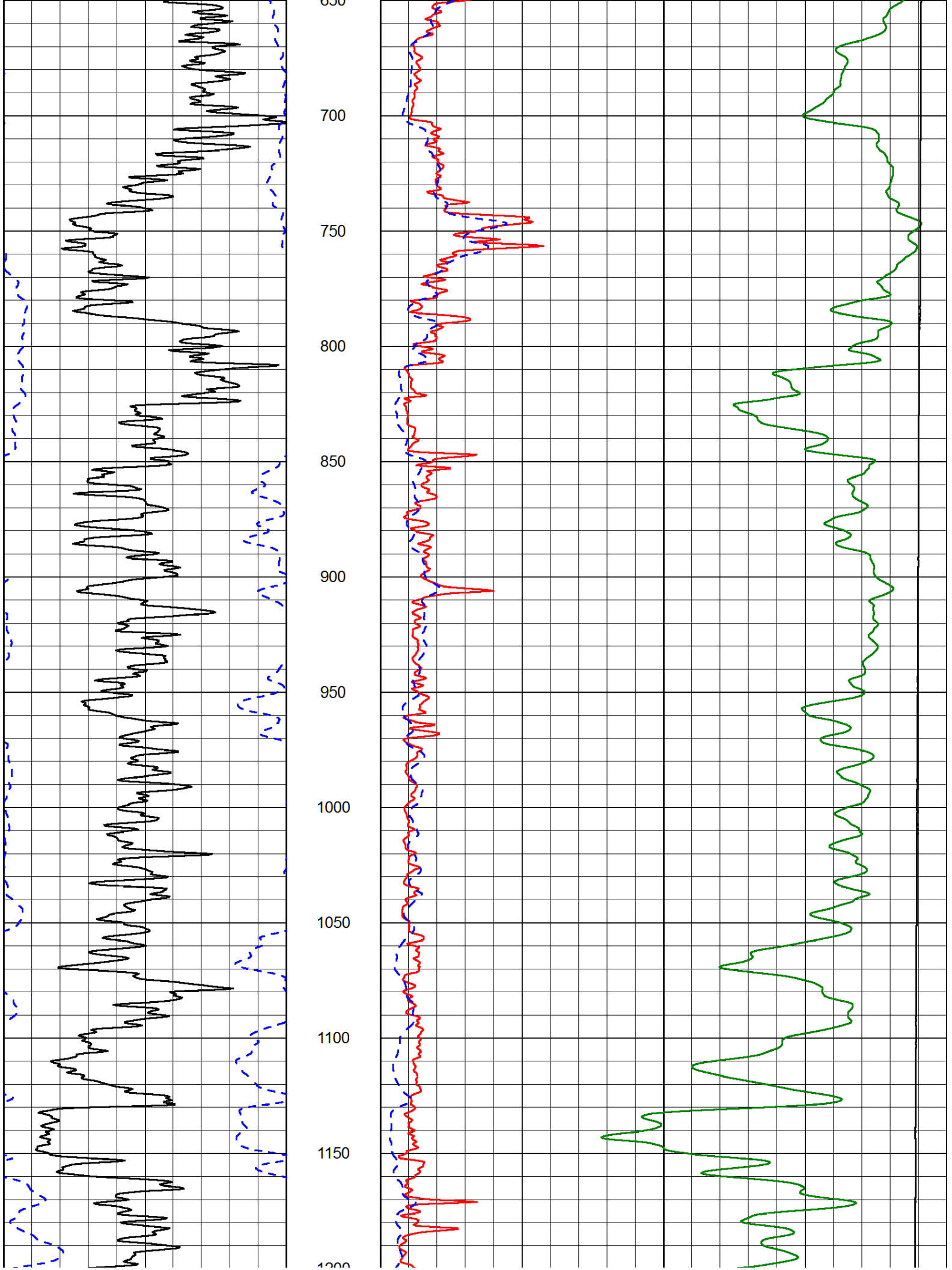
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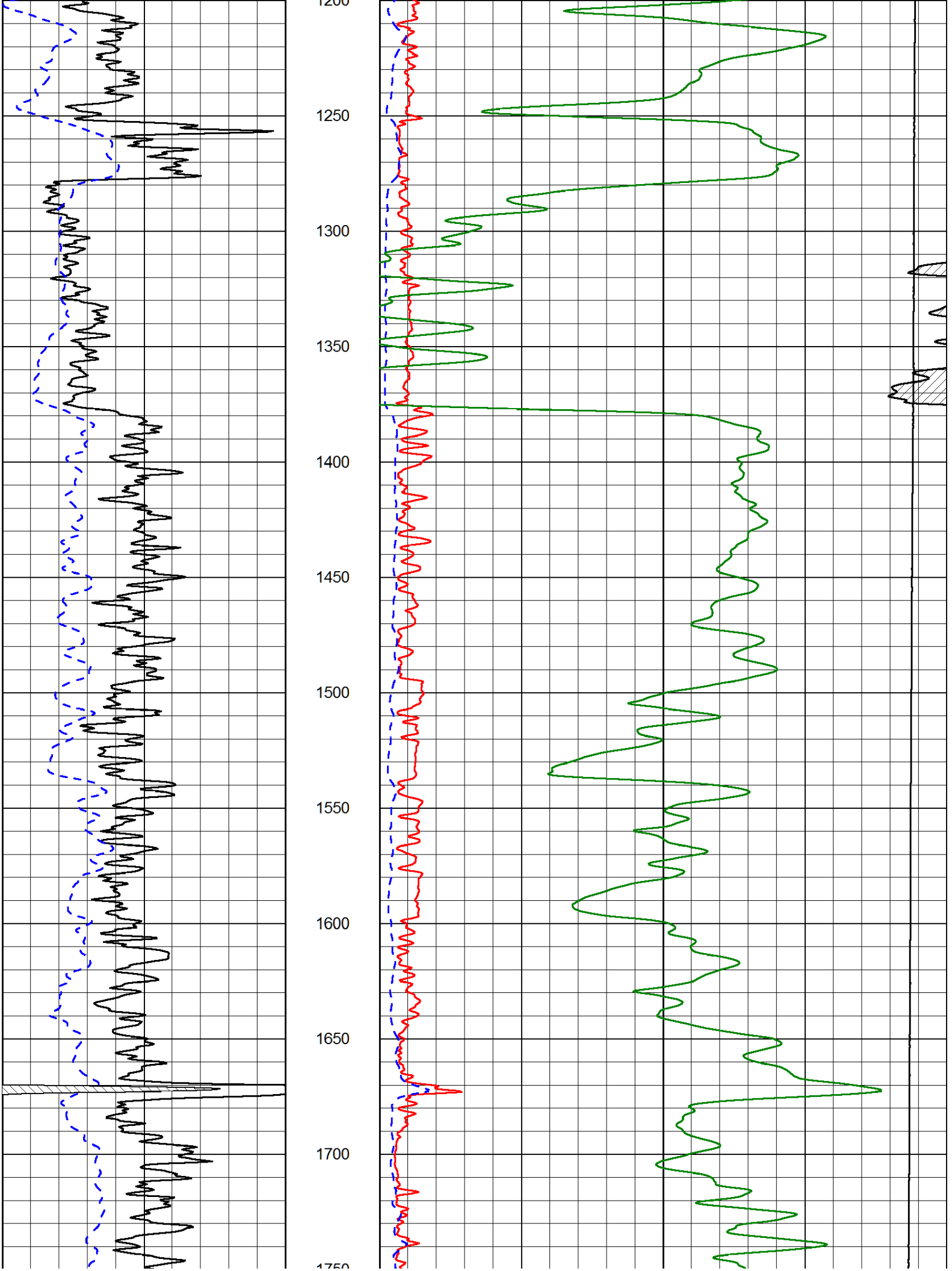
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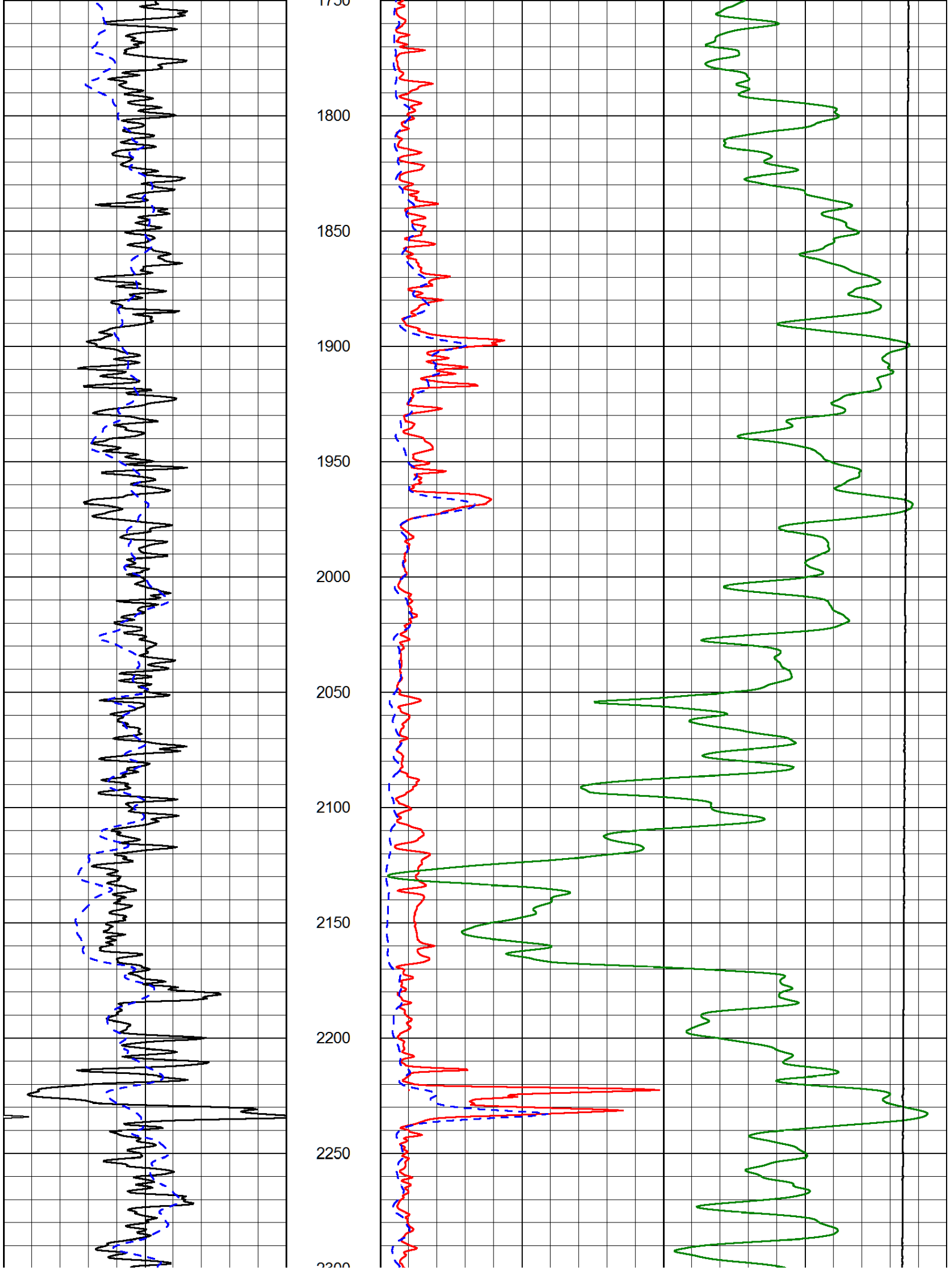
Phillipsburg, KS:
N to Hwy 383: 4W, 1/4S, W into

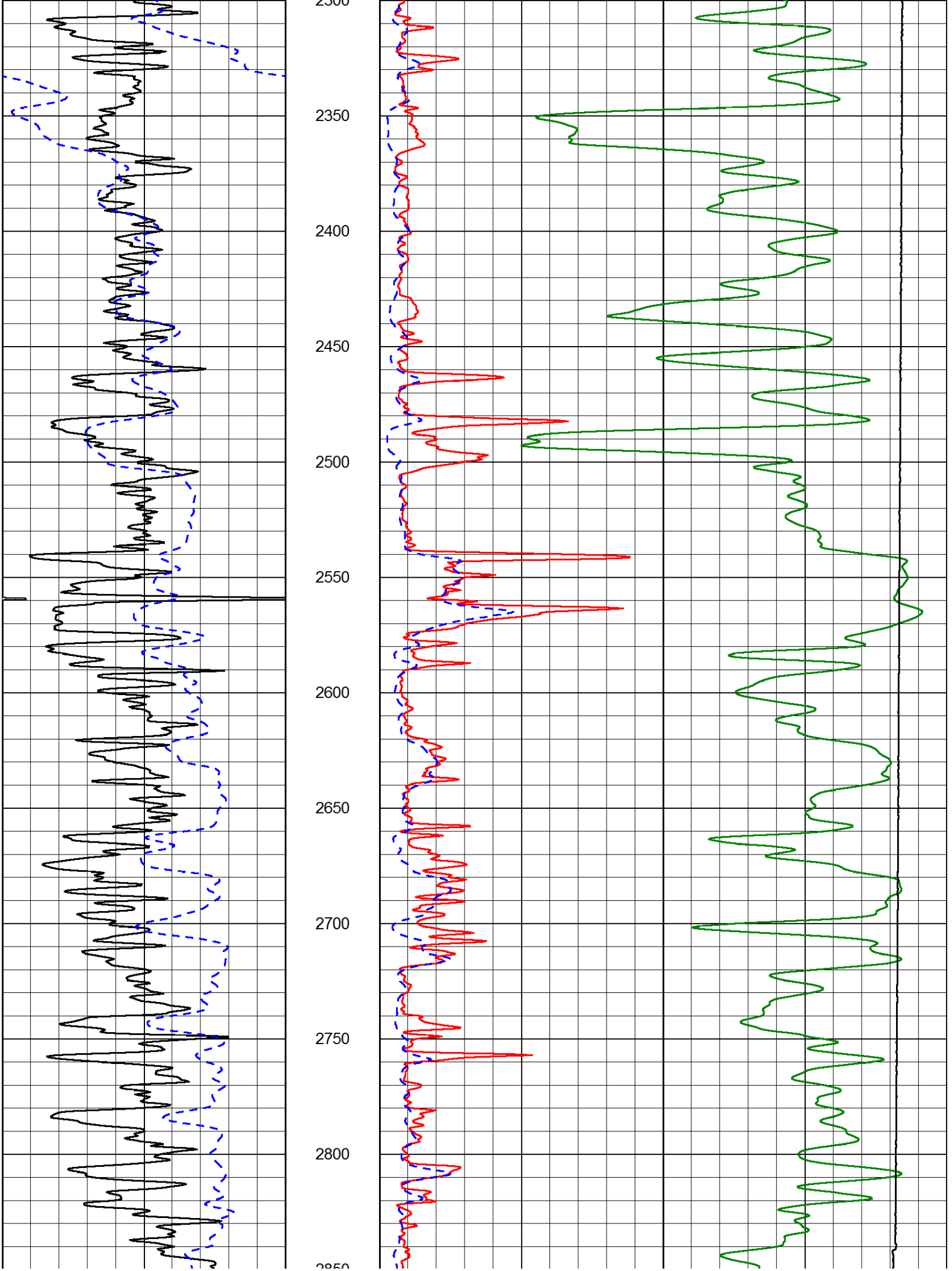
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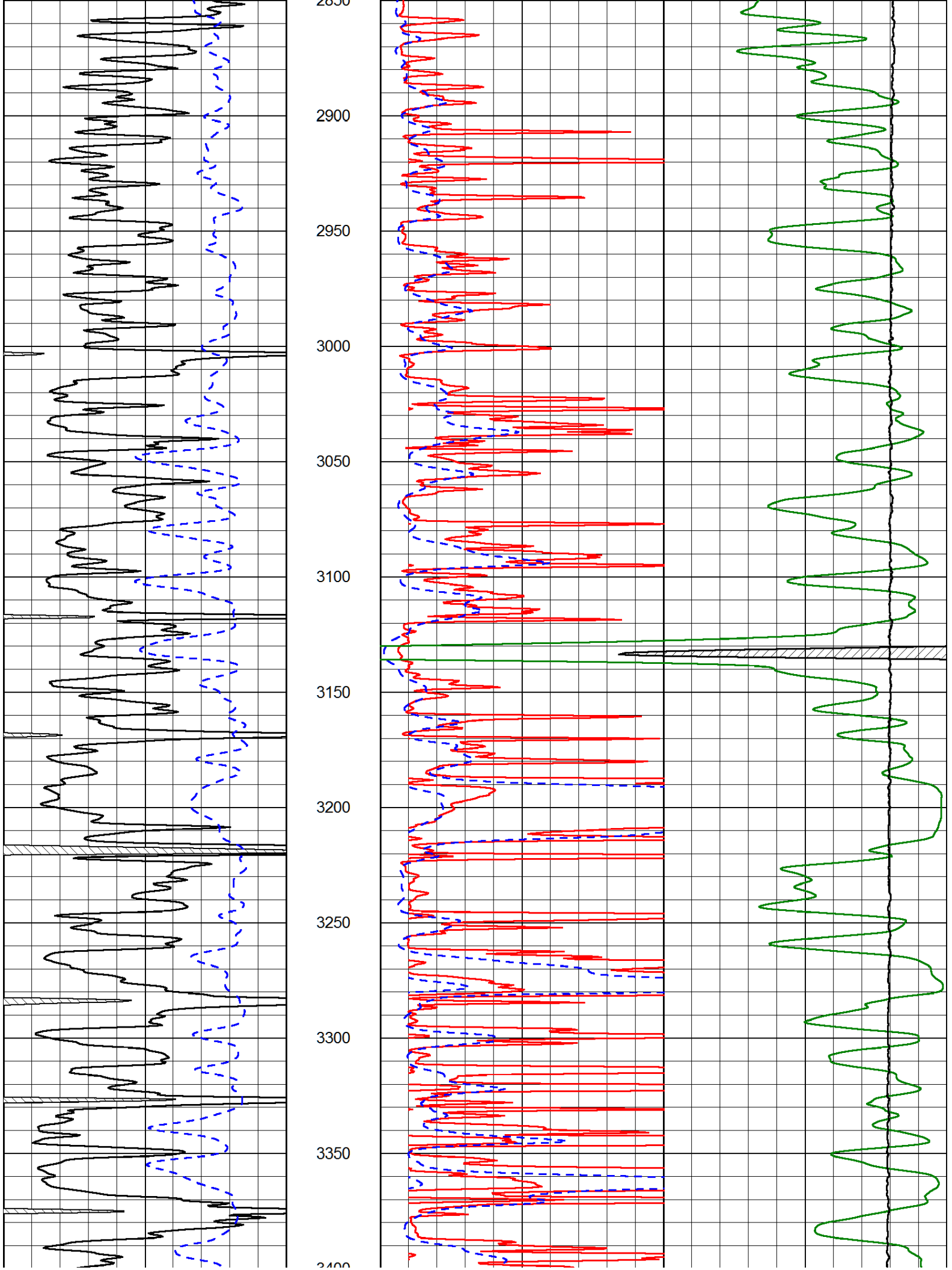

0 Gamma Ray (GAPI) 150
-200 SP (mV) 0
0 Shallow Resistivity (Ohm-m) 50
0 Deep Resistivity (Ohm-m) 50
1000 Conductivity (Ohm-m) 0
15000 Line Tension (lb) 0
Shallow Resistivity
50 (Ohm-m) 500
50 Deep Resistivity (Ohm-m) 500
200
250
300
350
400
450
500
550
600
650

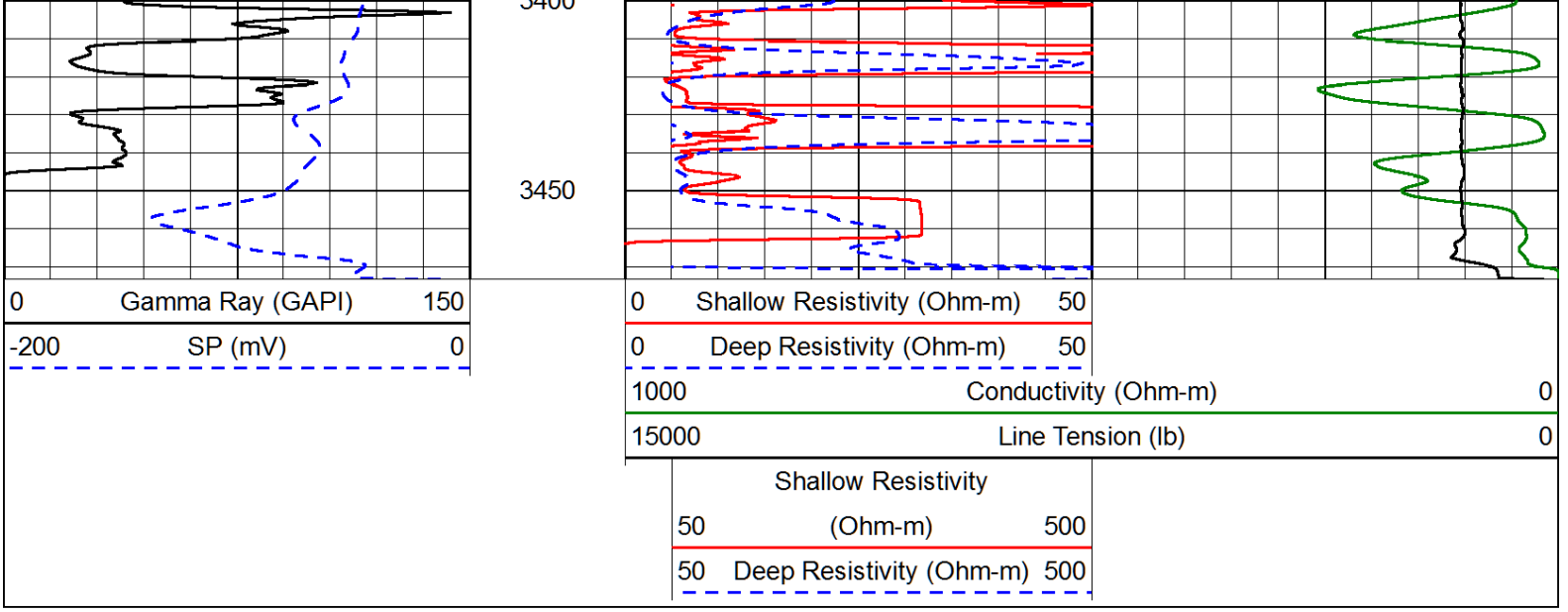

650
700
750
800
850
900
950
1000
1050
1100
1150
1200


1200
1250
1300
1350
1400
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1550
1600
1650
1700
1750

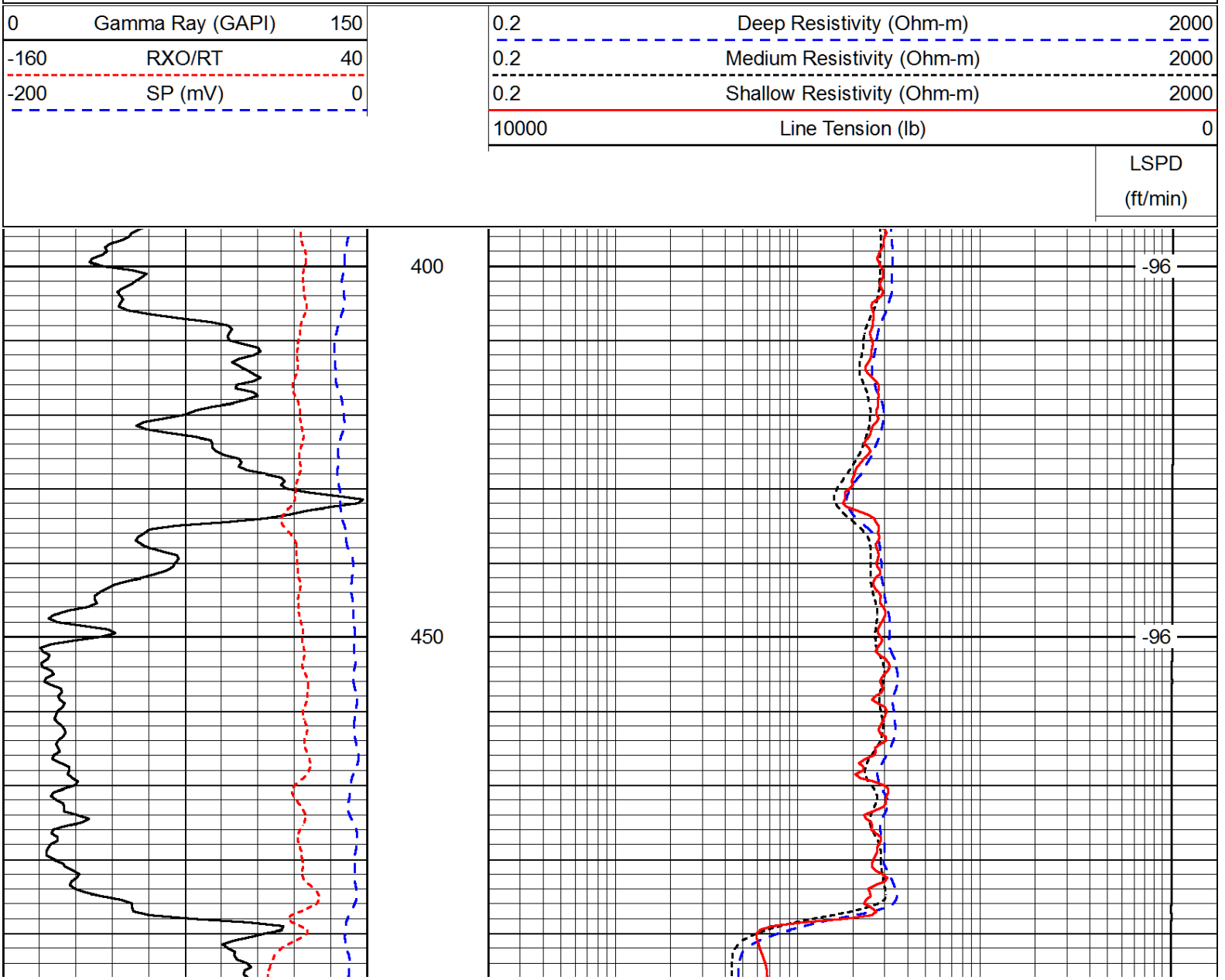

1750
1800
1850
1900
1950
2000
2050
2100
2150
2200
2250
2300

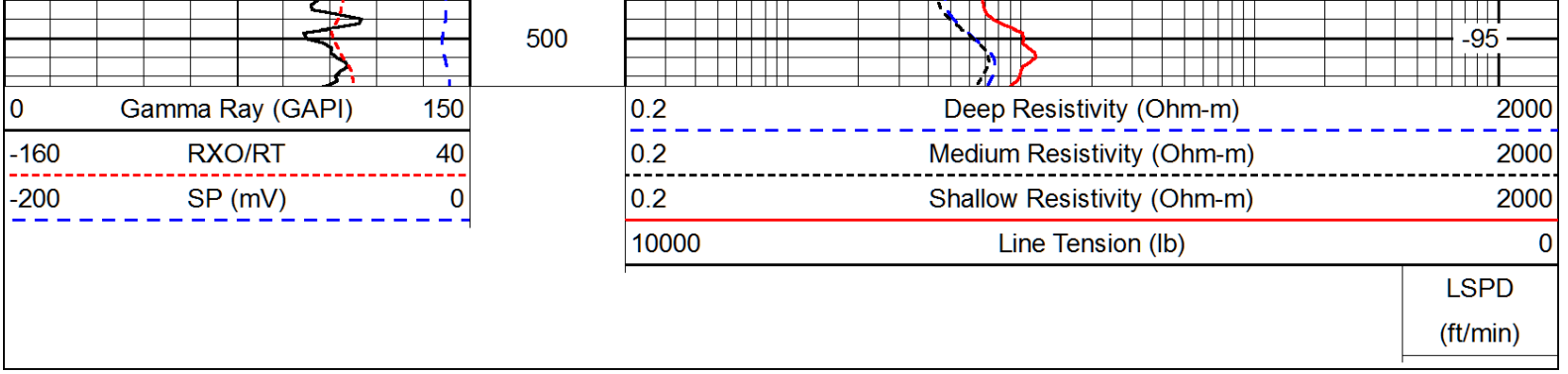

2300
2350
2400
2450
2500
2550
2600
2650
2700
2750
2800
2850


2850
2900
2950
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3200
3250
3300
3350
3400

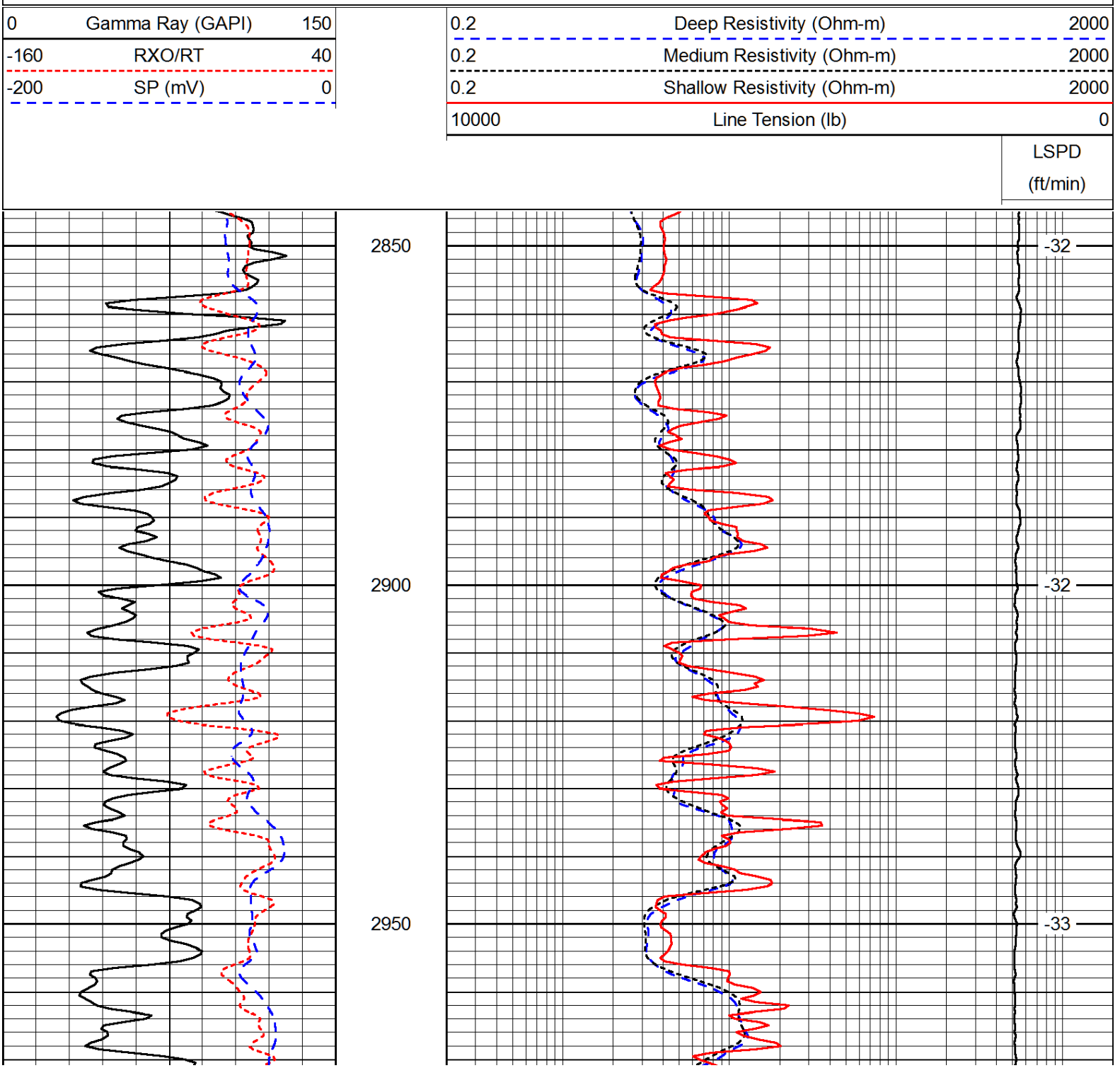


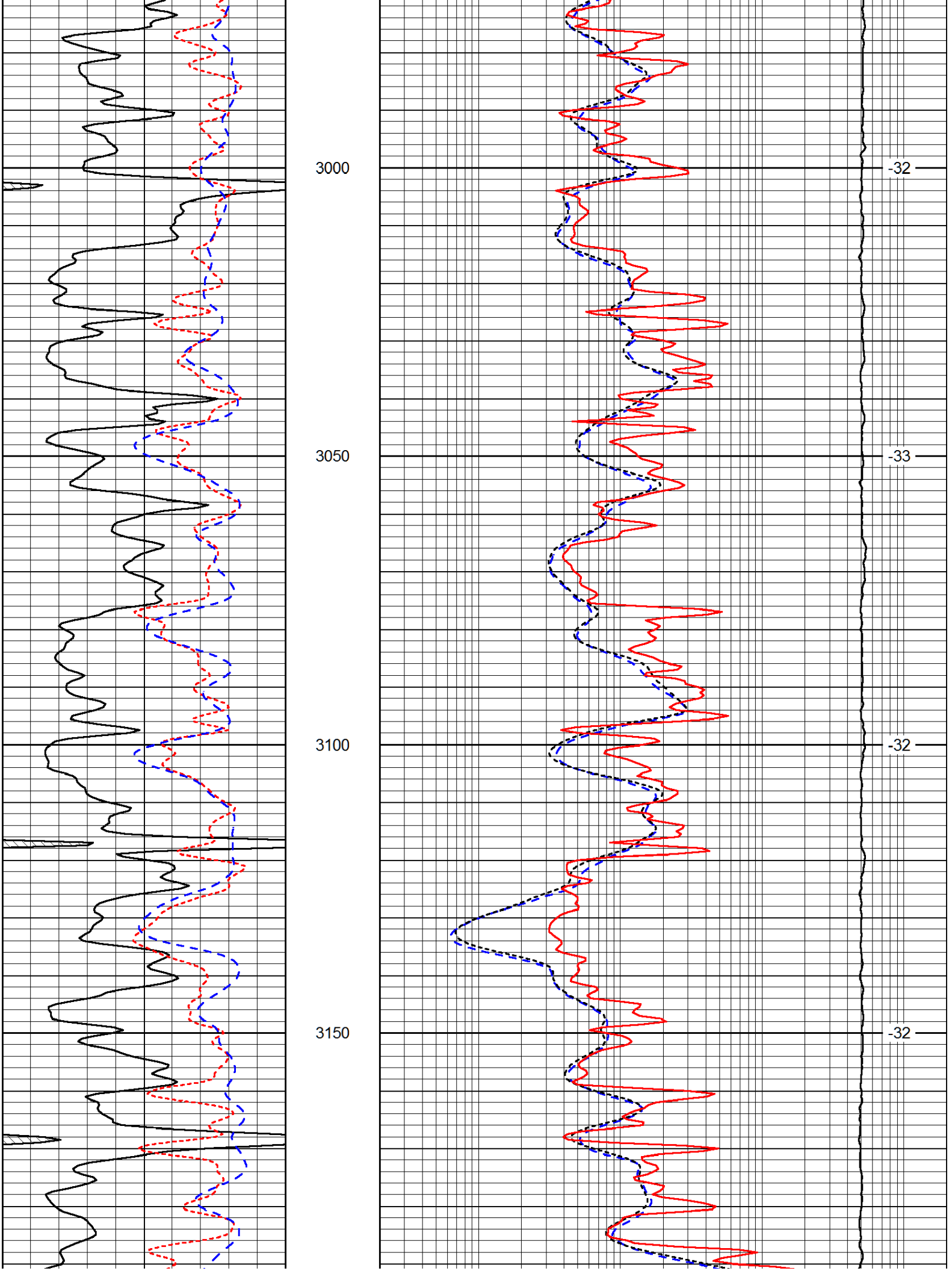
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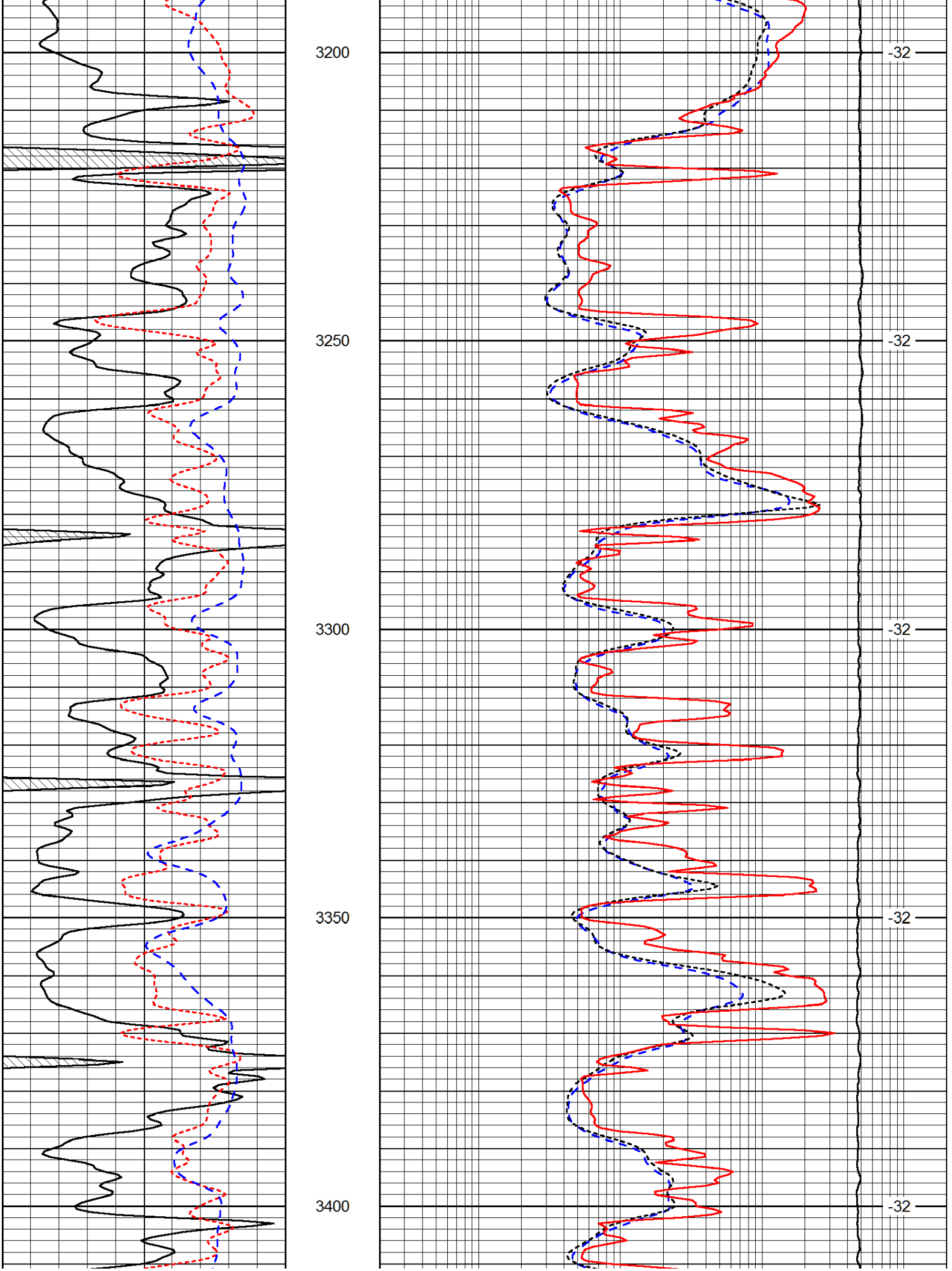


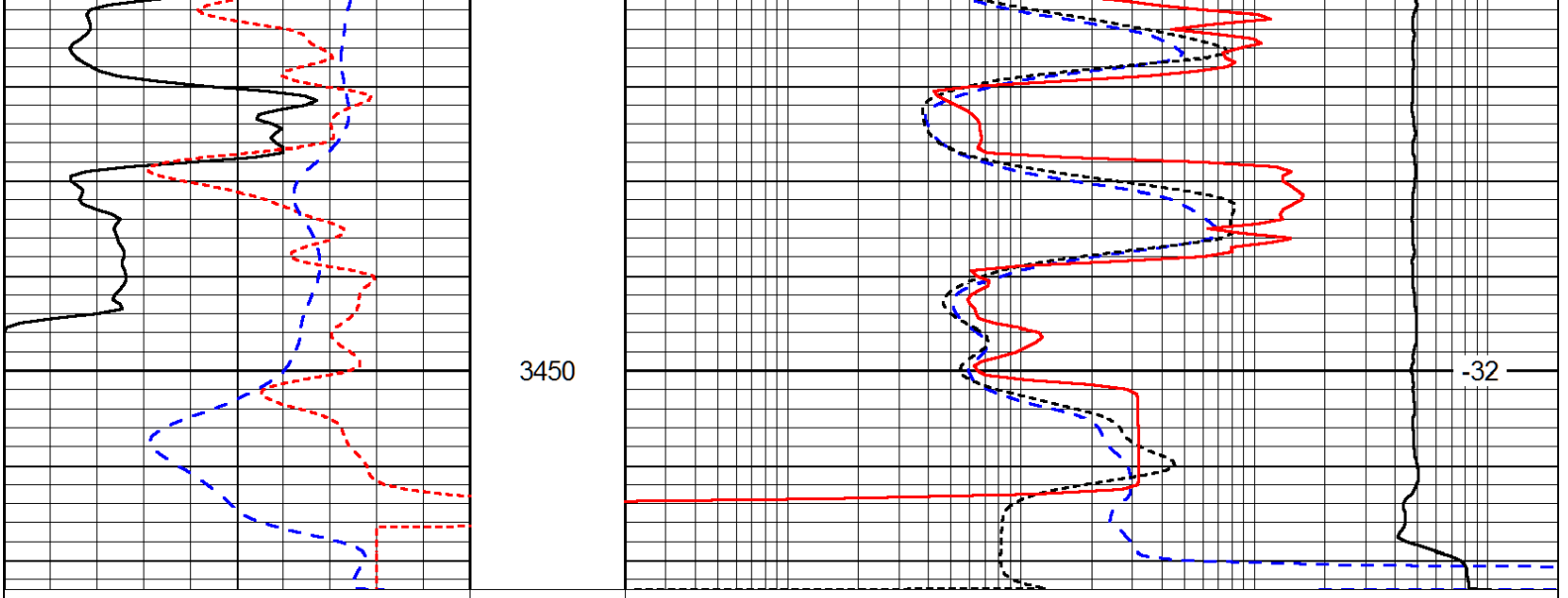


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3000
3050
3100
3150
-32
-33
-32
-32


3200
3250
3300
3350
3400
-32
-32
-32
-32
-32



0	Gamma Ray (GAPI)	150
-160	RXO/RT	40
-200	SP (mV)	0

0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000
0.2	Shallow Resistivity (Ohm-m)	2000
10000	Line Tension (lb)	0

LSPD
(ft/min)