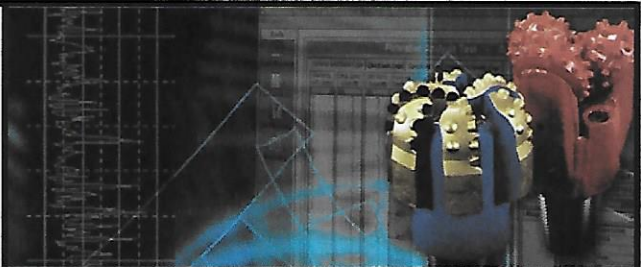
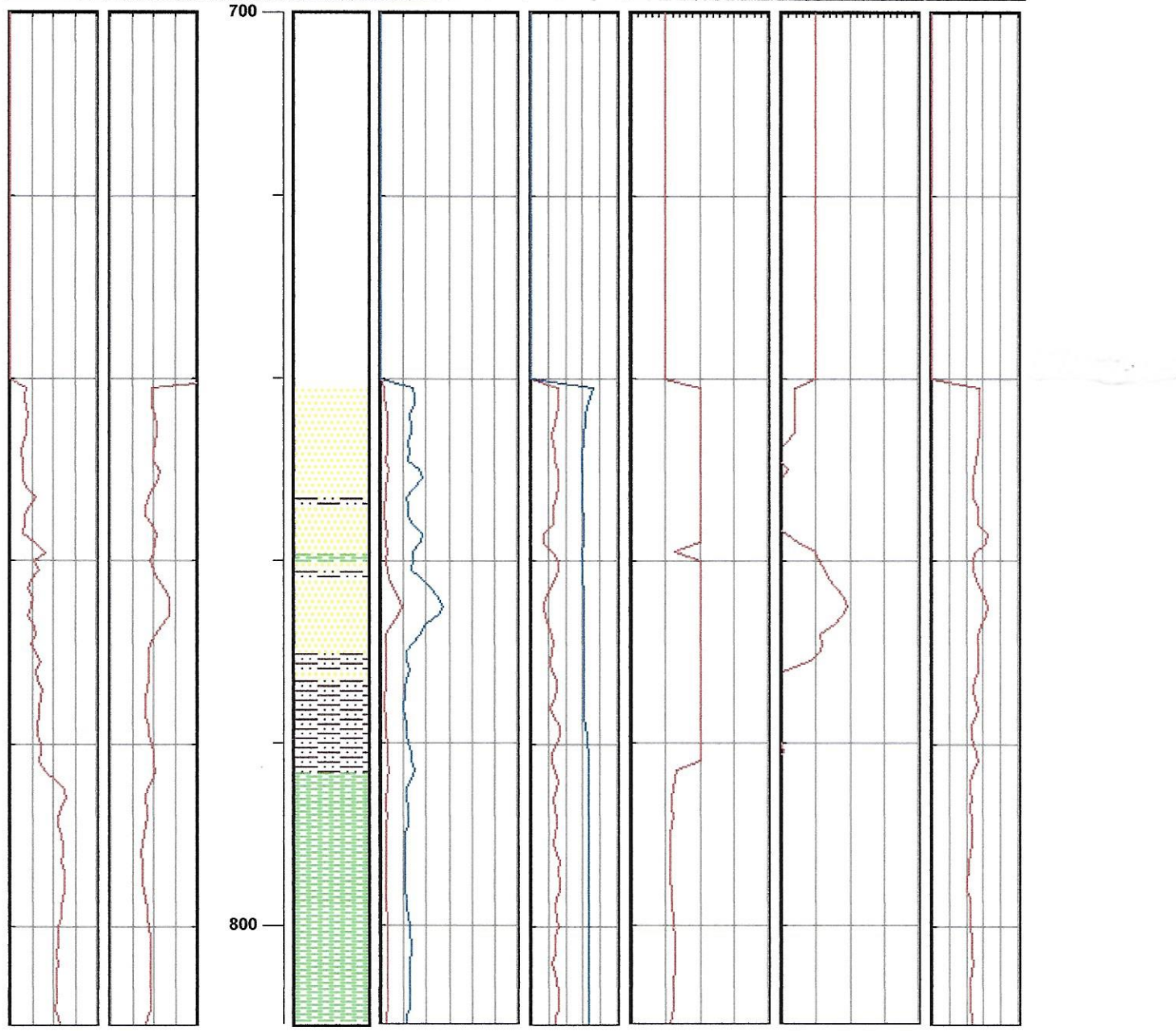


Version 1.4

<p>Operator:</p> <p>Contractor: Catoosa</p> <p>Well Name: Lucy Pad</p> <p>County/Parish:</p> <p>Field/Block:</p>	<p>Lithology Key</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px; height: 15px; background-color: yellow; border: 1px solid black;"></td> <td>Sandstone(m)</td> </tr> <tr> <td style="width: 20px; height: 15px; background: repeating-linear-gradient(45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black;"></td> <td>Siltstone</td> </tr> <tr> <td style="width: 20px; height: 15px; background-color: green; border: 1px solid black;"></td> <td>Shale</td> </tr> <tr> <td style="width: 20px; height: 15px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black;"></td> <td>Limestone(Silt)</td> </tr> <tr> <td style="width: 20px; height: 15px; background: repeating-linear-gradient(-45deg, transparent, transparent 2px, black 2px, black 4px); border: 1px solid black;"></td> <td>Limestone(xln)</td> </tr> </table>		Sandstone(m)		Siltstone		Shale		Limestone(Silt)		Limestone(xln)	
	Sandstone(m)											
	Siltstone											
	Shale											
	Limestone(Silt)											
	Limestone(xln)											

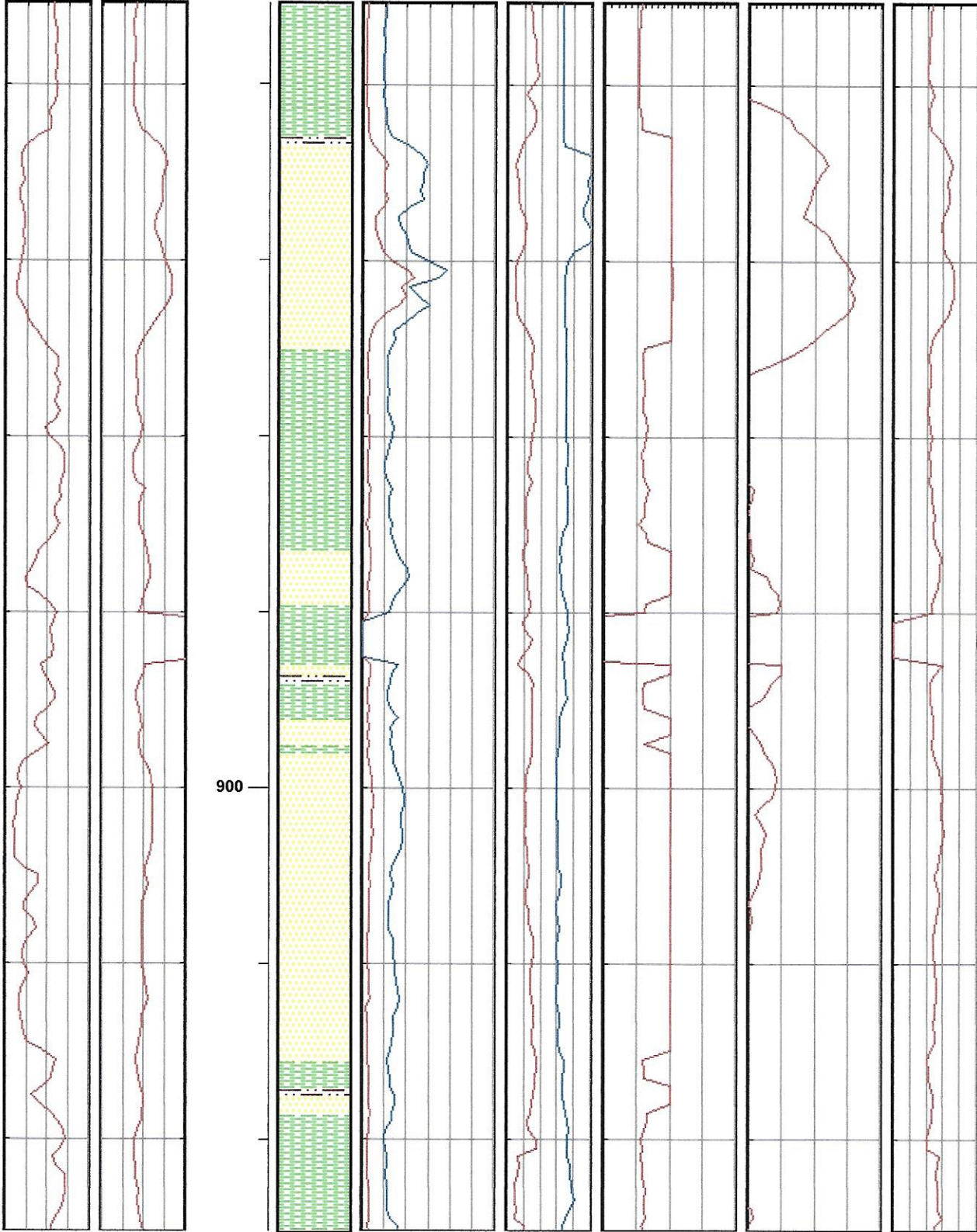
Gamma	Sonic	Measured Depth	Lithology	Cmp Strength	Porosity	Formation Indices	Formation Indices	Fang
API units	usec/ft	ft	y	kpsi	in			Degrees
<small>Gamma</small>	<small>Cmp Sonic</small>			<small>DM CCS</small>	<small>Caliper</small>	<small>Abrasivity</small>	<small>Vibration</small>	<small>Fang</small>
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60
				<small>UCS</small>	<small>Porosity</small>			



Lucy Pad

Version 1.4

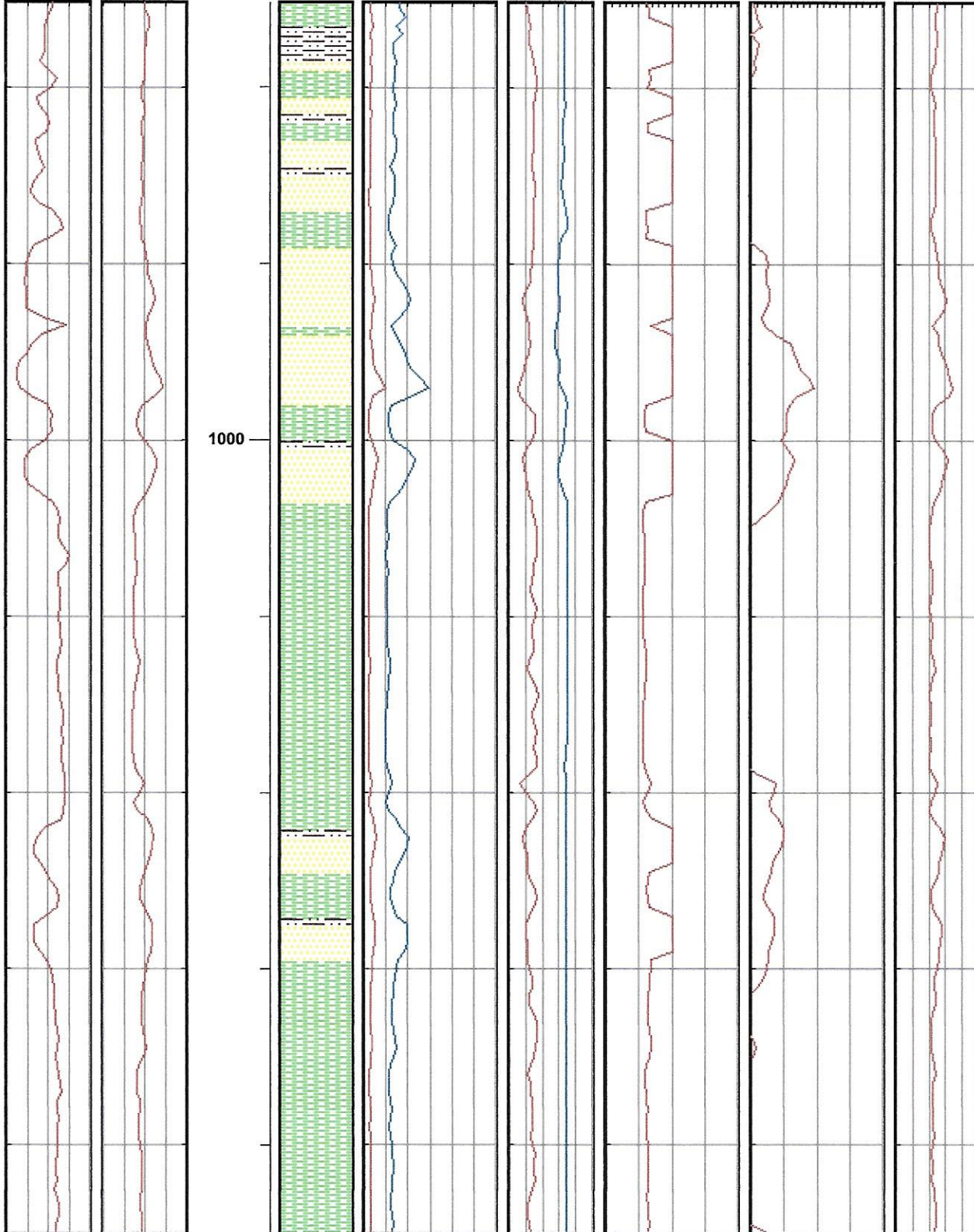
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
<small>Gamma</small>	<small>Cmp Sonic</small>			<small>DM CCS</small> <small>UCS</small>	<small>Caliper</small> <small>Porosity</small>	<small>Abrasivity</small>	<small>Vibration</small>	<small>Fang</small>
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60



Lucy Pad

Version 1.4

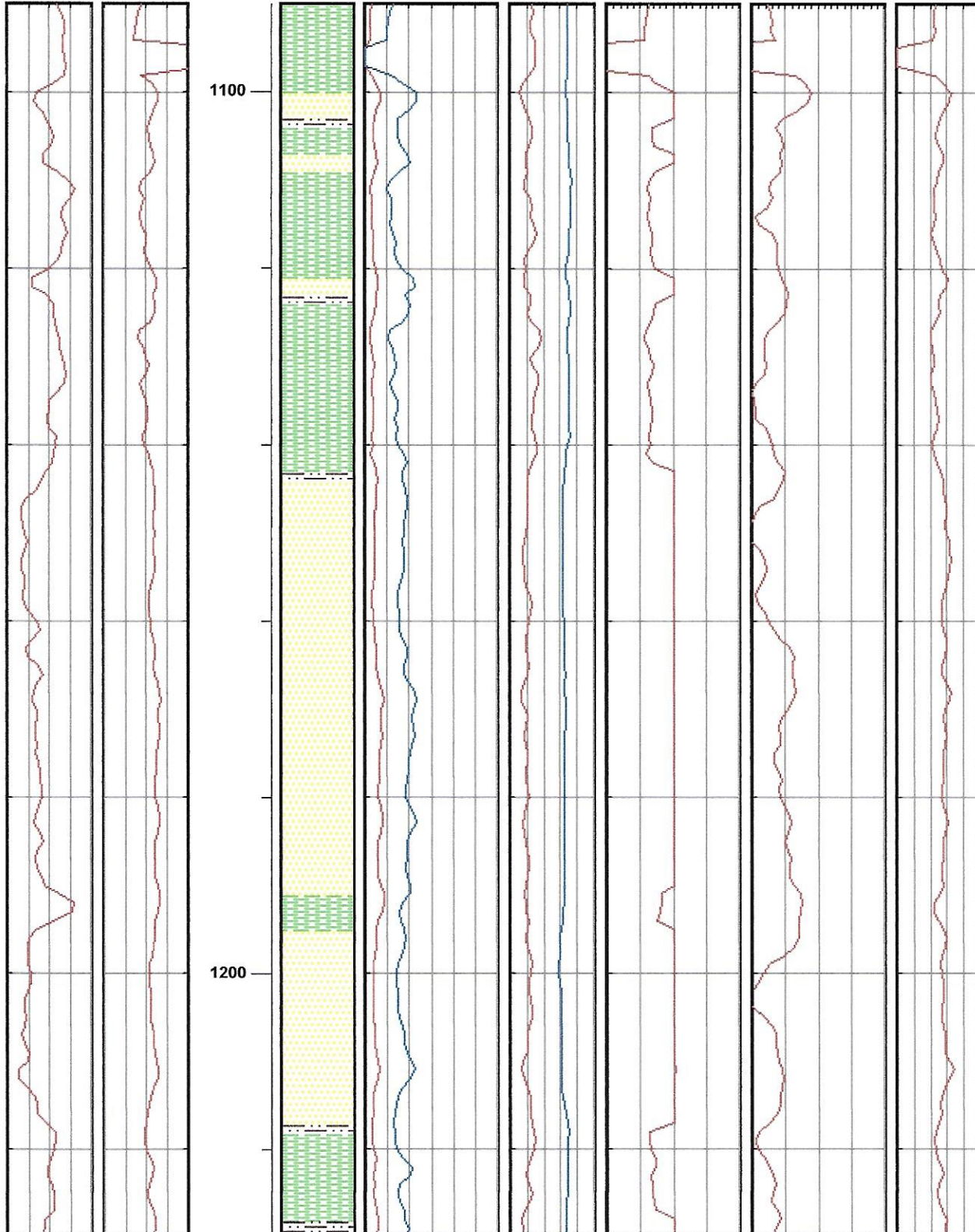
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

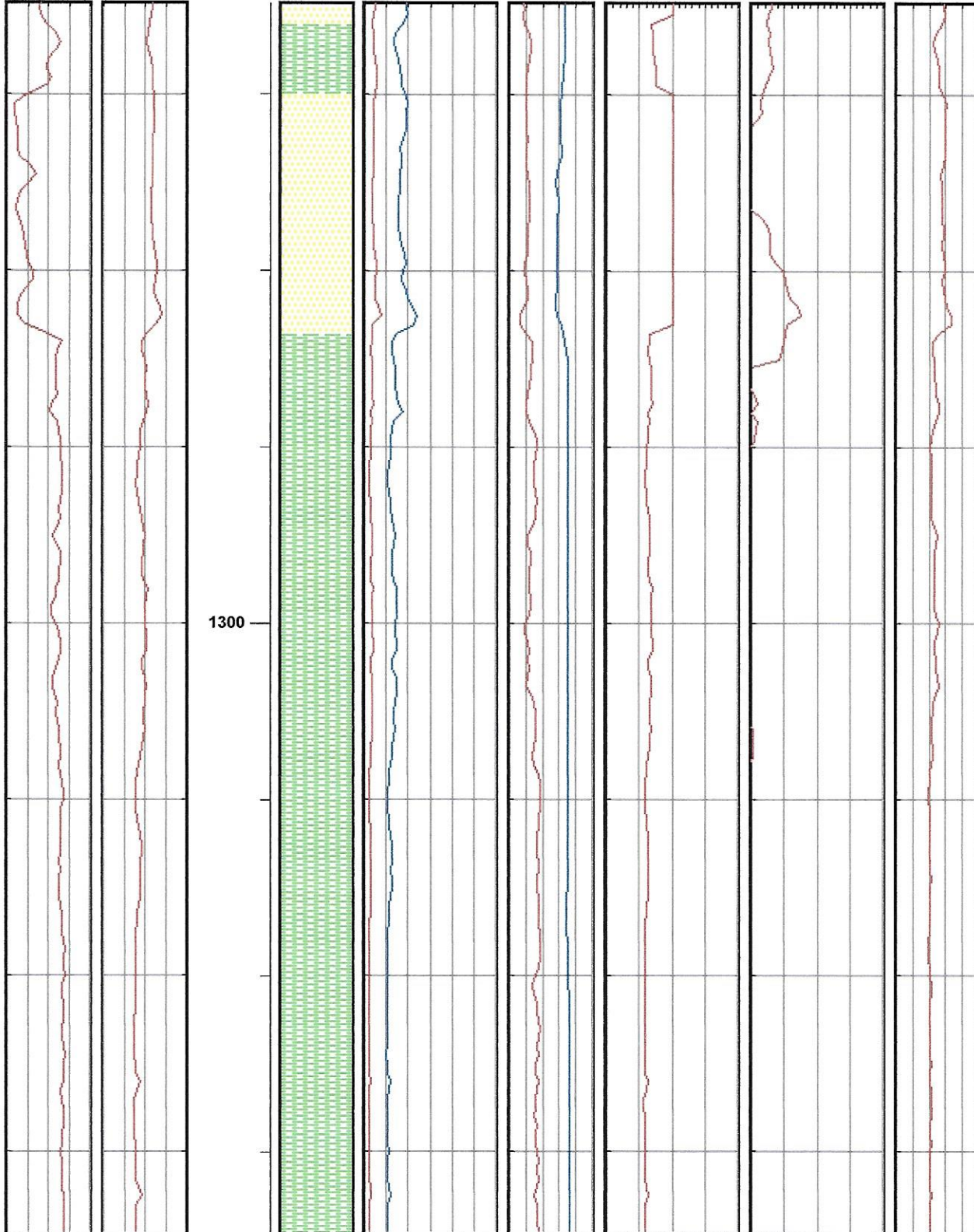
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

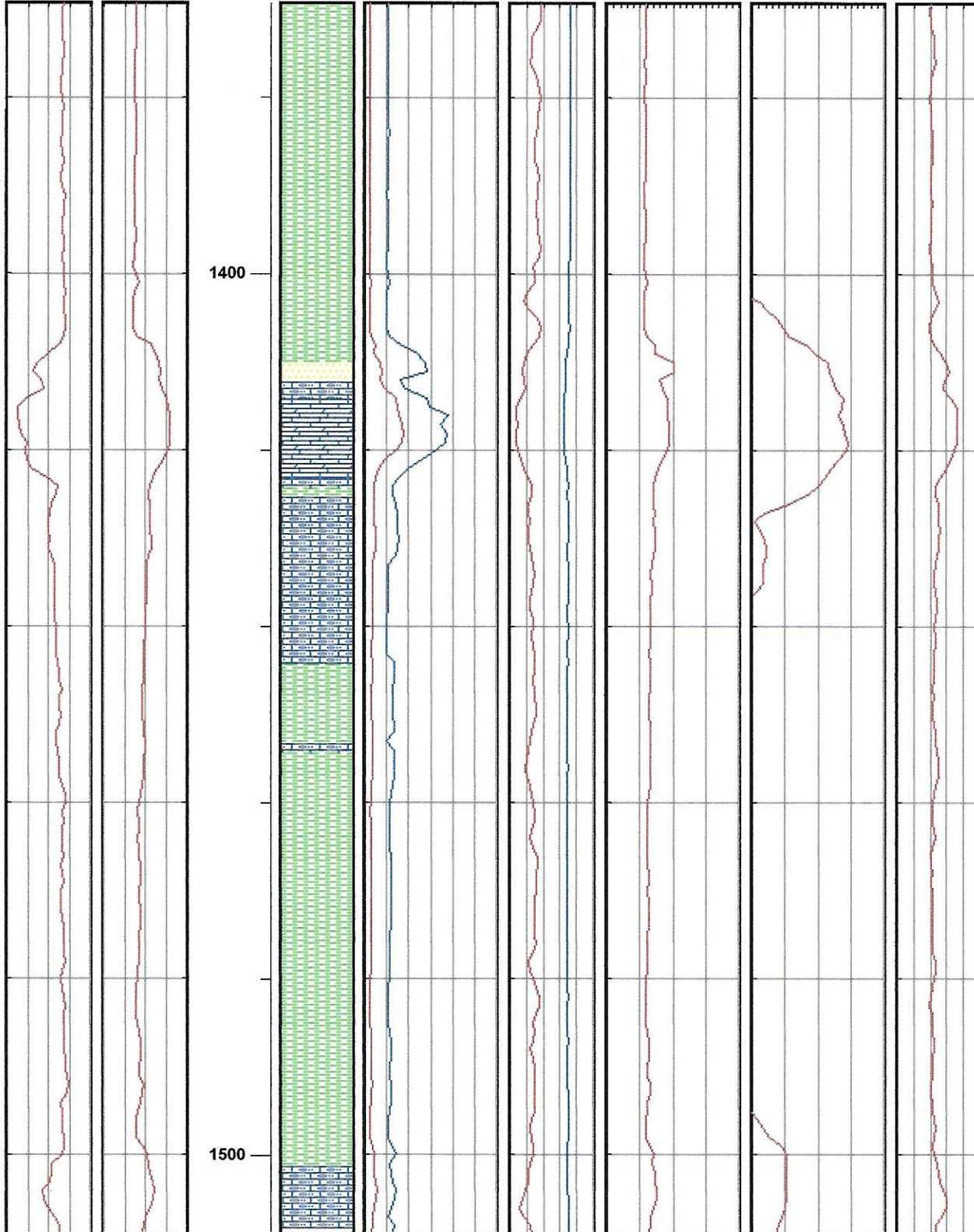
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60

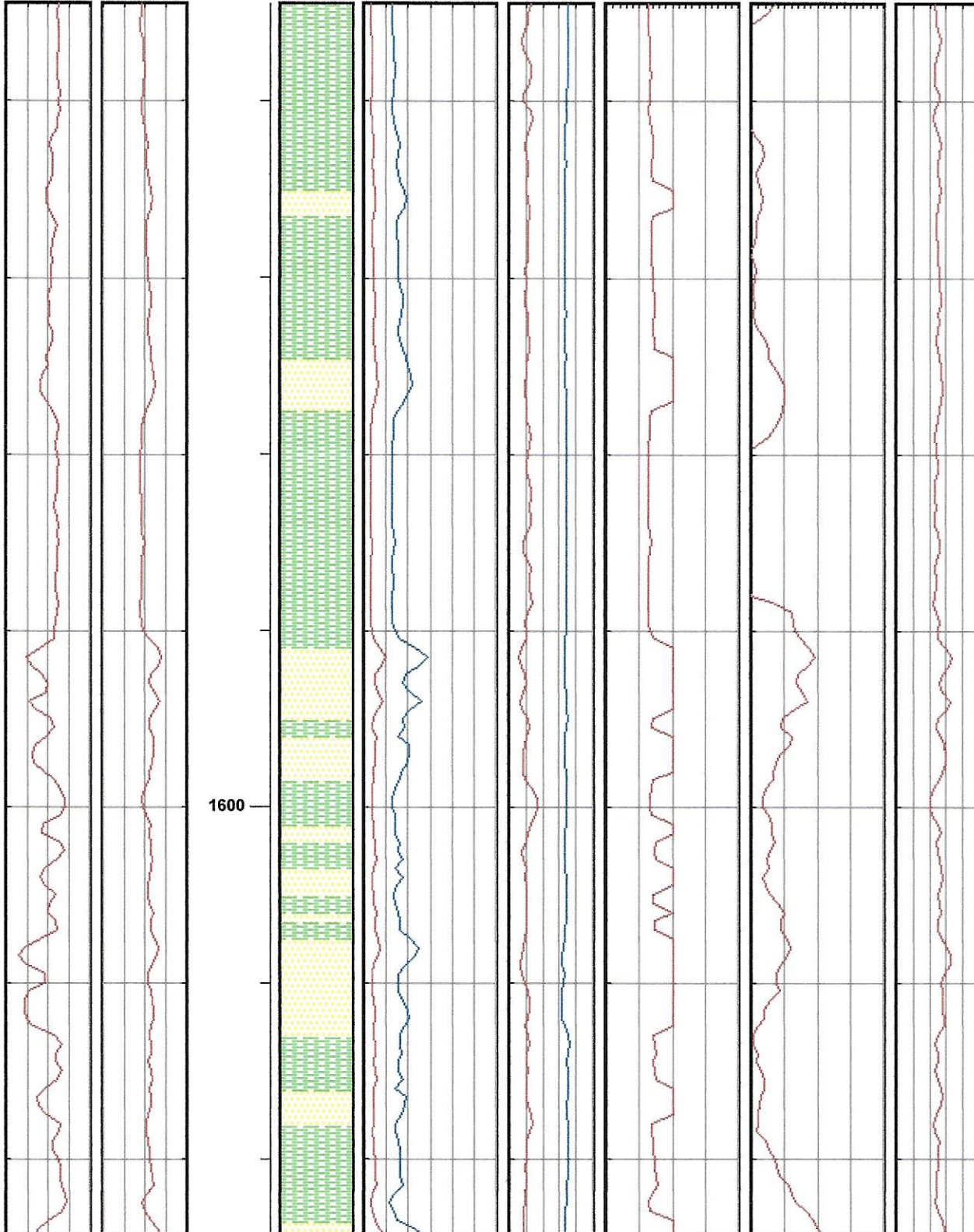


1410ft - Avant L

Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
				DM CCS UCS	Caliper Porosity	Abrasivity	Vibration	Fang
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60

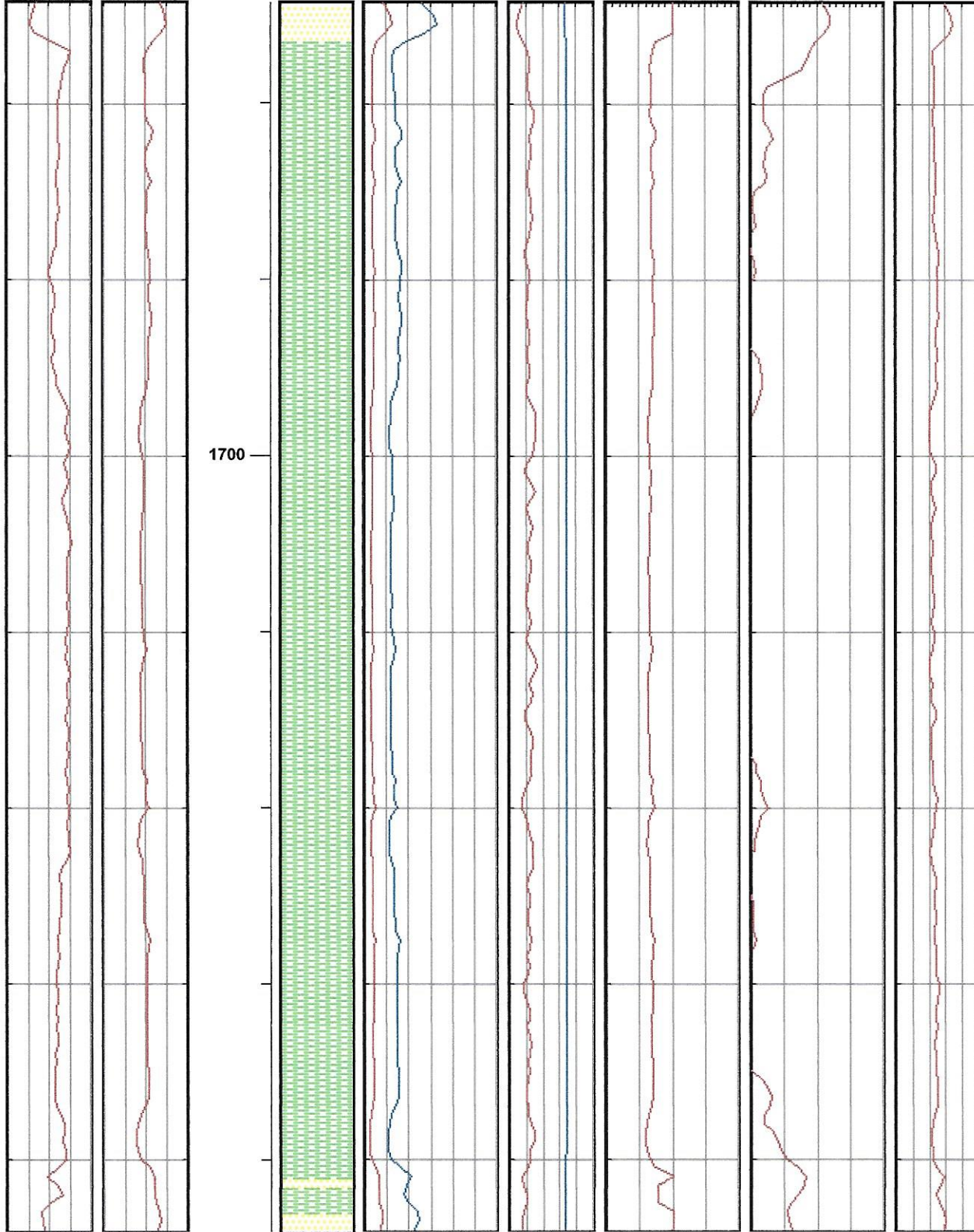


15100-Usage
SS

Lucy Pad

Version 1.4

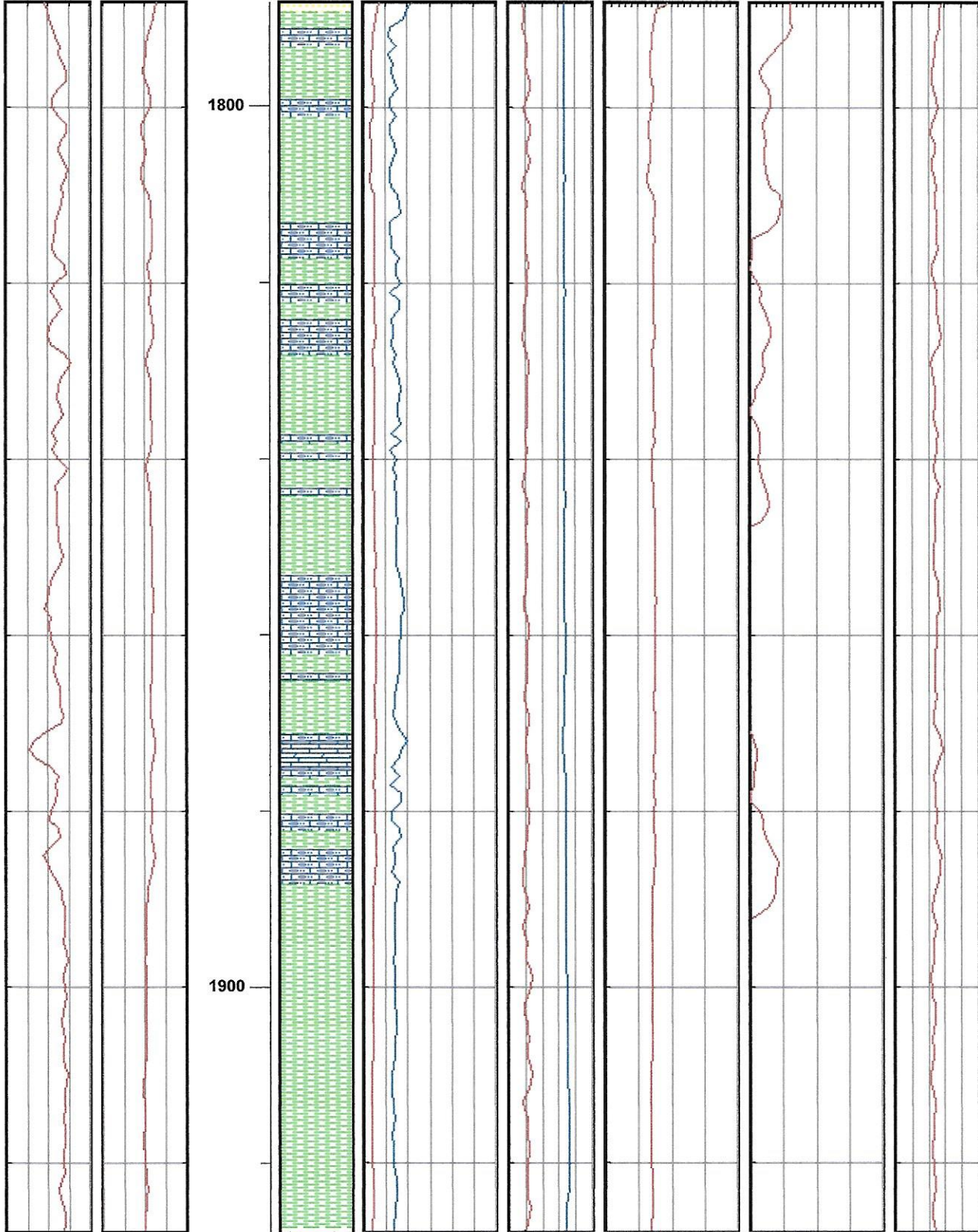
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma	Cmp Sonic			DM CCS UCS	Caliper Porosity	Abrasivity	Vibration	Fang
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60

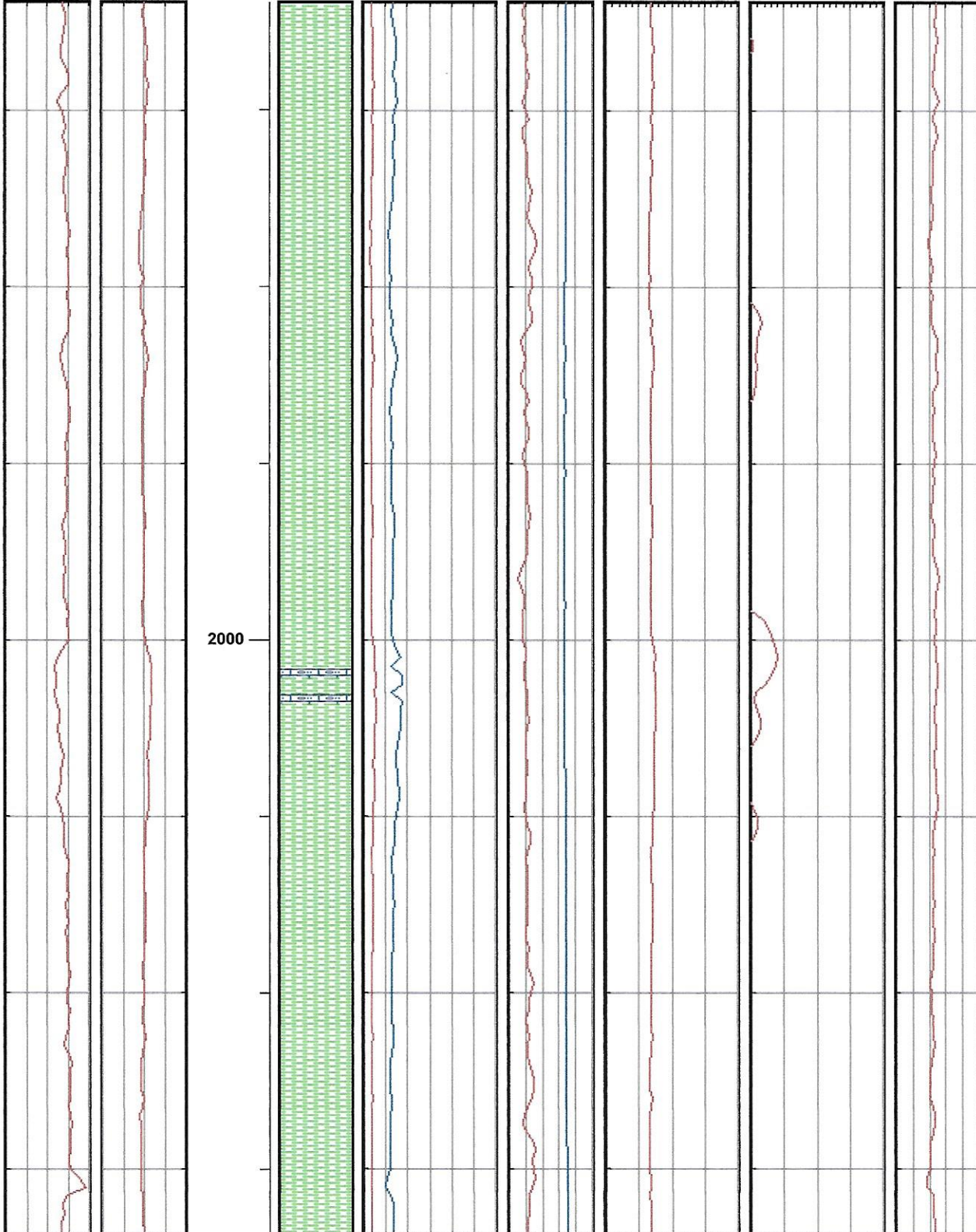


179011-Hogshooter

Lucy Pad

Version 1.4

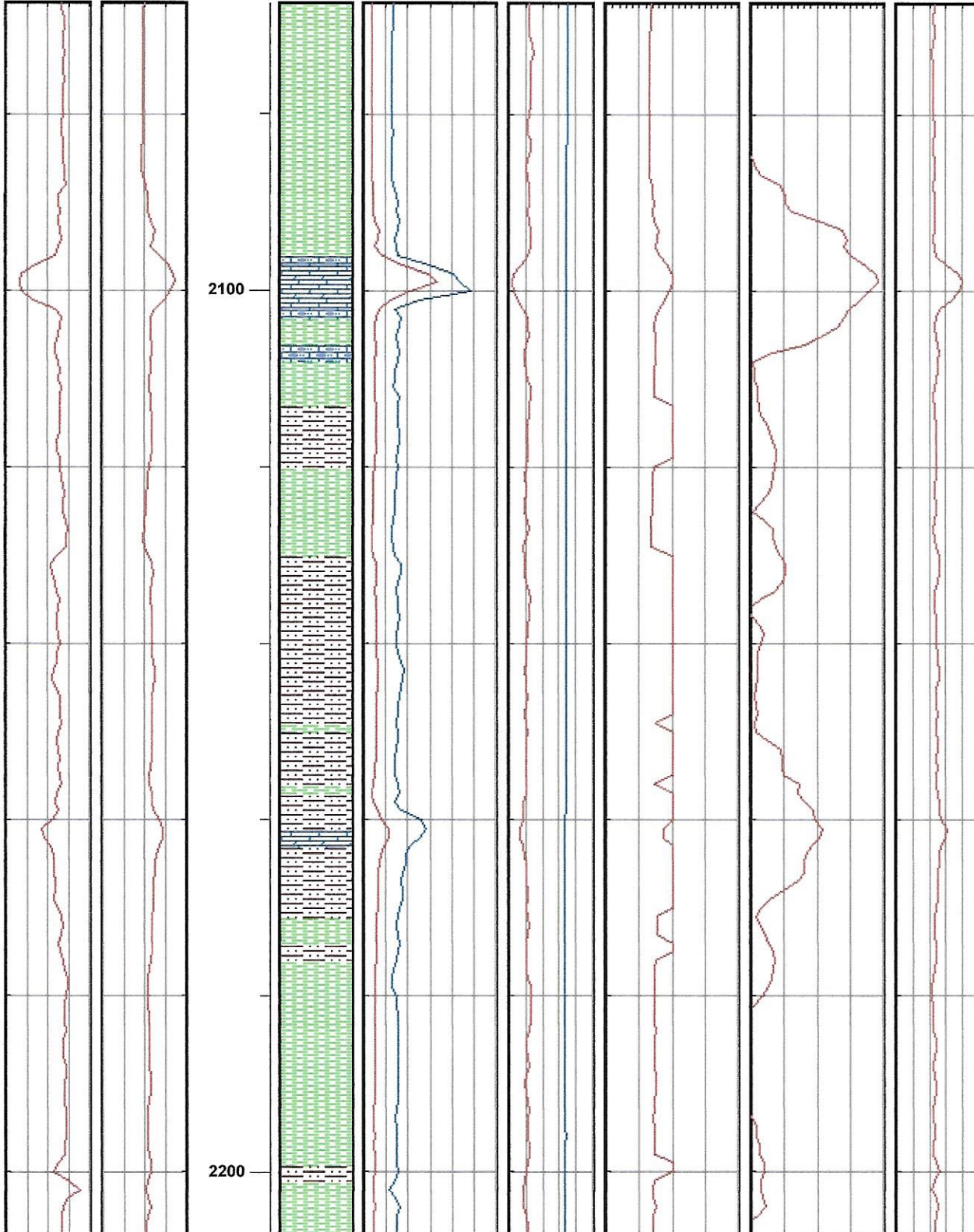
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60

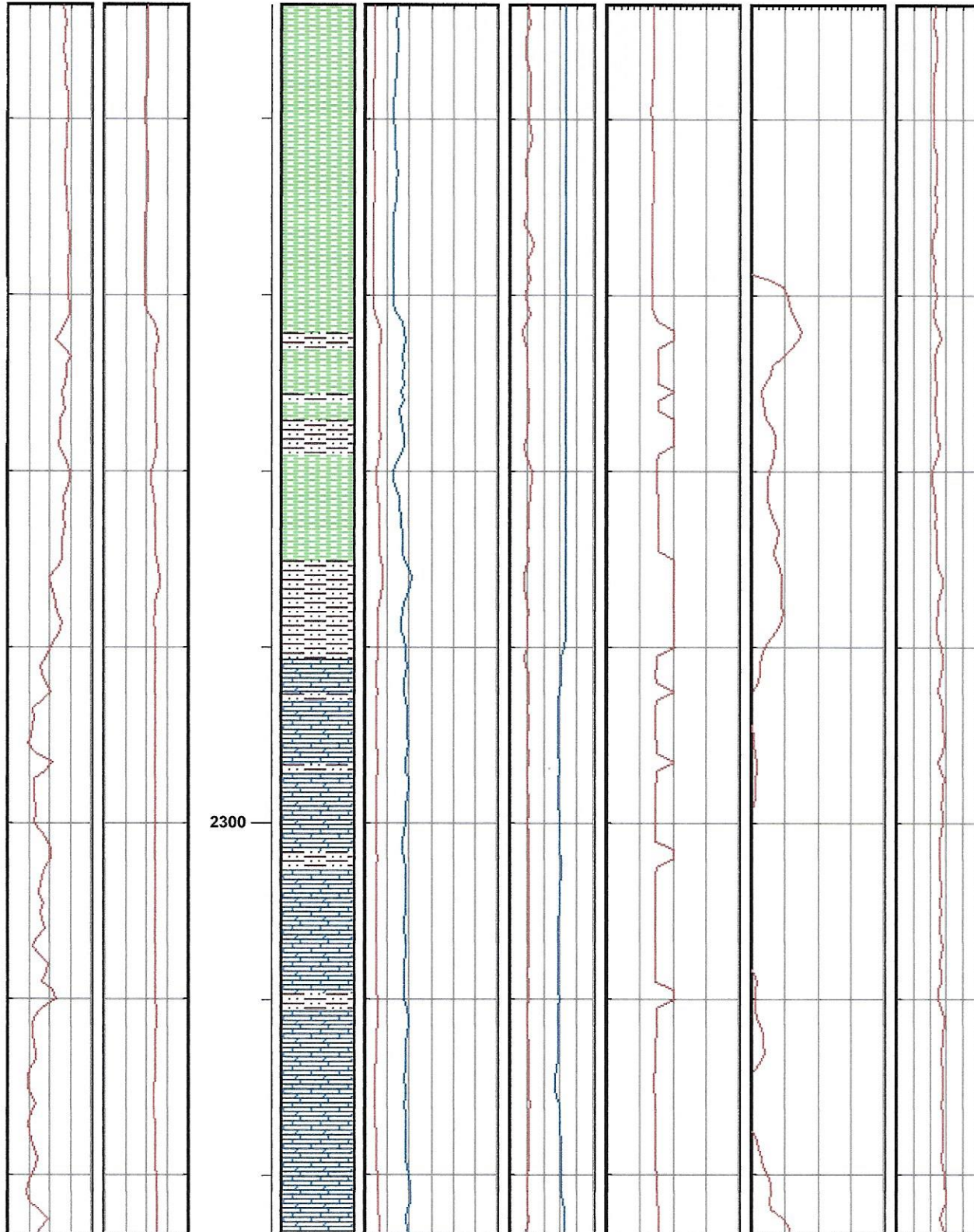


2110ft -
Checkerboard

Lucy Pad

Version 1.4

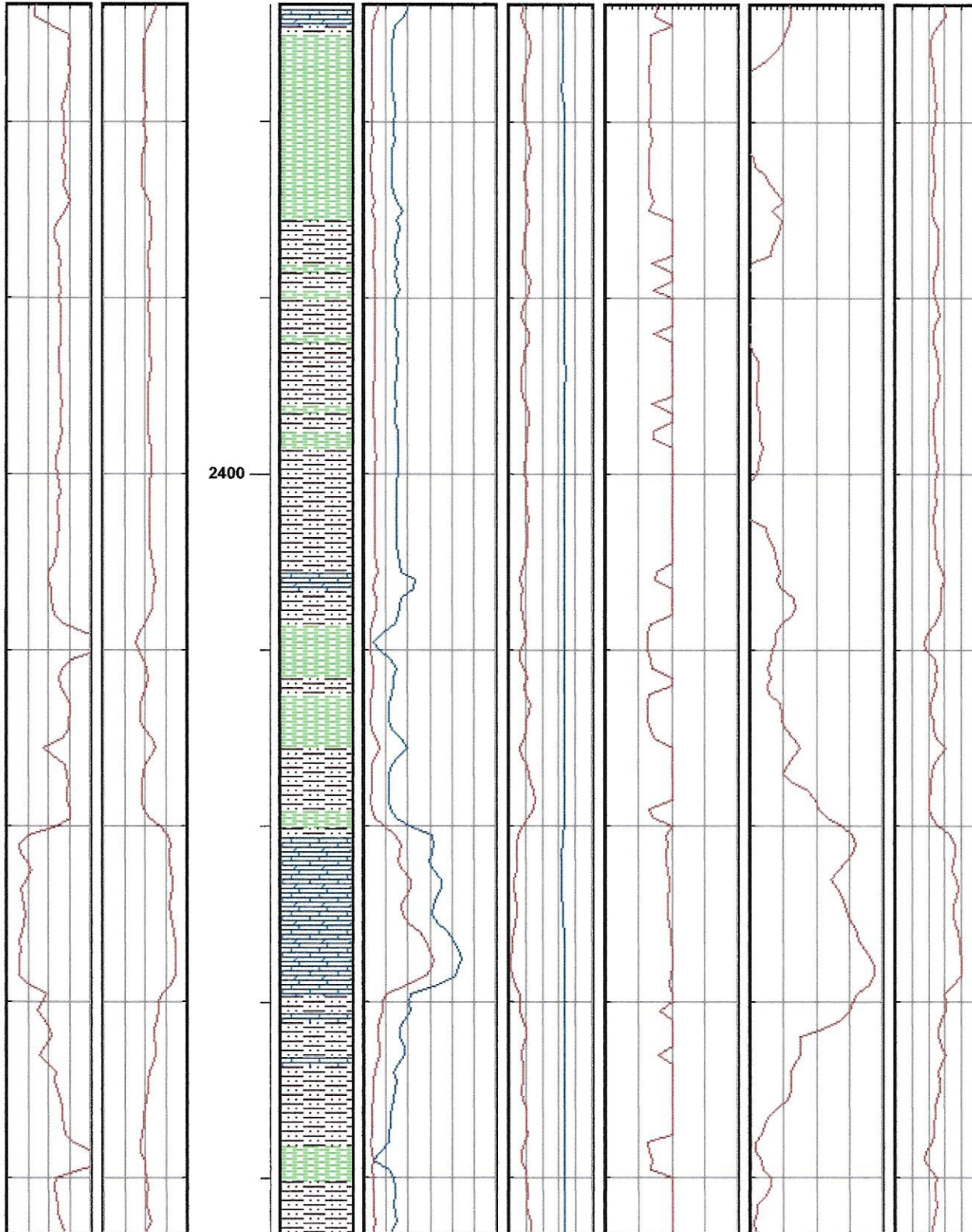
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
				DM CCS UCS	Caliper Porosity	Abrasivity	Vibration	Fang
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60



Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60

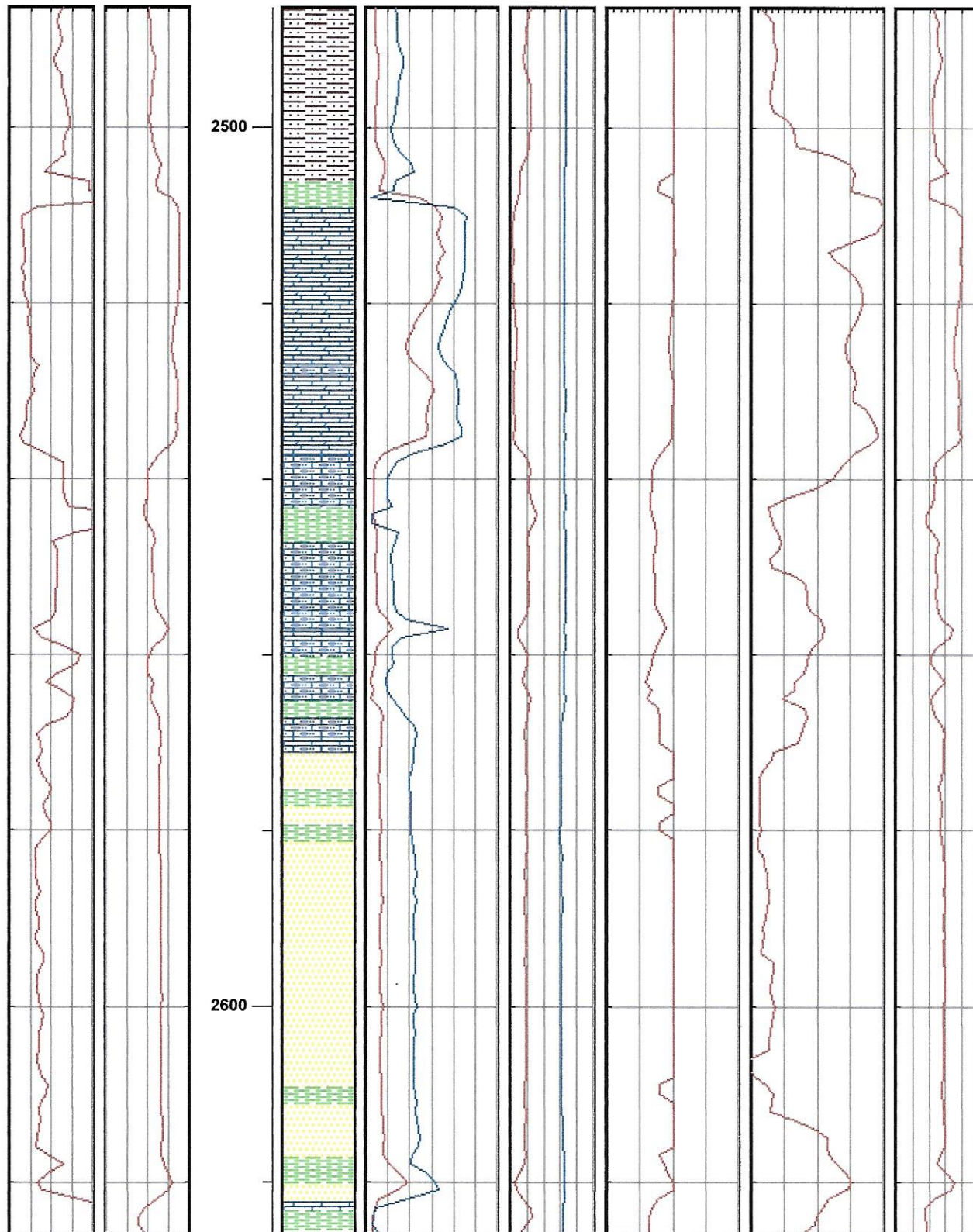


2430ft - Big Lim

Lucy Pad

Version 1.4

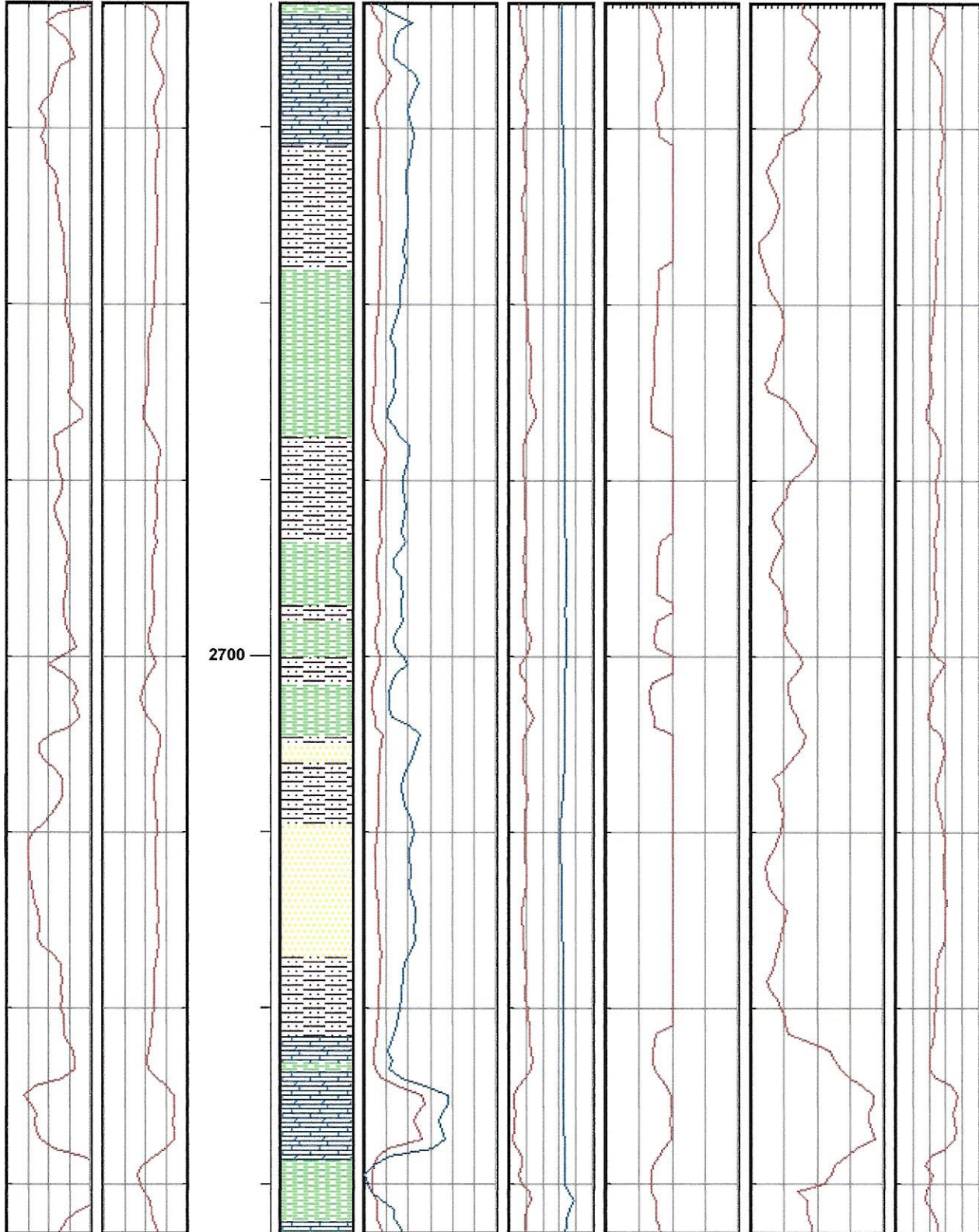
Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10 0 1	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Lithology	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma	Cmp Sonic			DM CCS UCS	Caliper Porosity	Abrasivity	Vibration	Fang
0 200	140 40			0 60	0 10	0.1 10 1000	0.1 10 1000	0 60



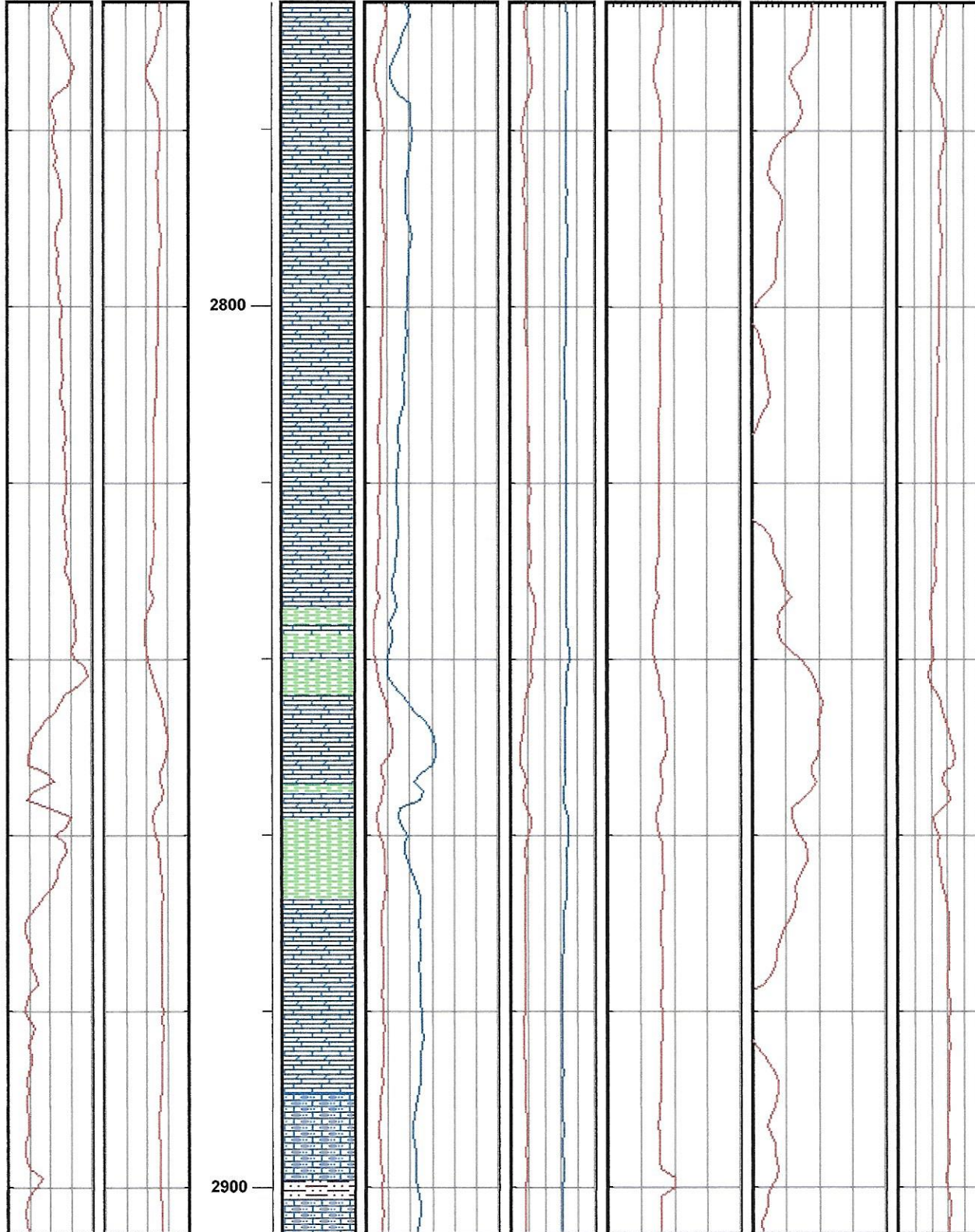
2642ft -
Skinner SS

2742ft - Pink LS

Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



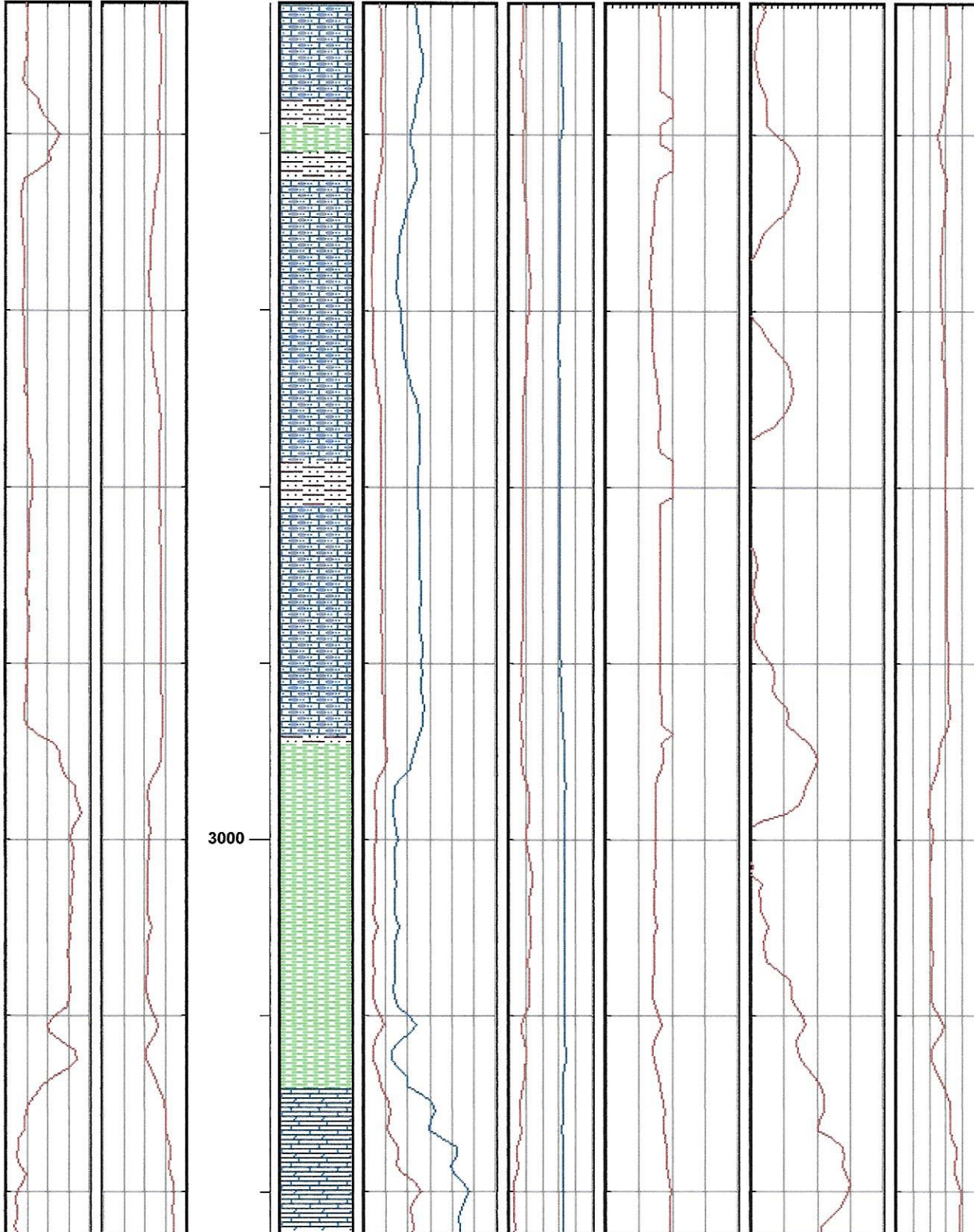
2846ft - Inola LS

2888ft - Bartlesville LS

Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60

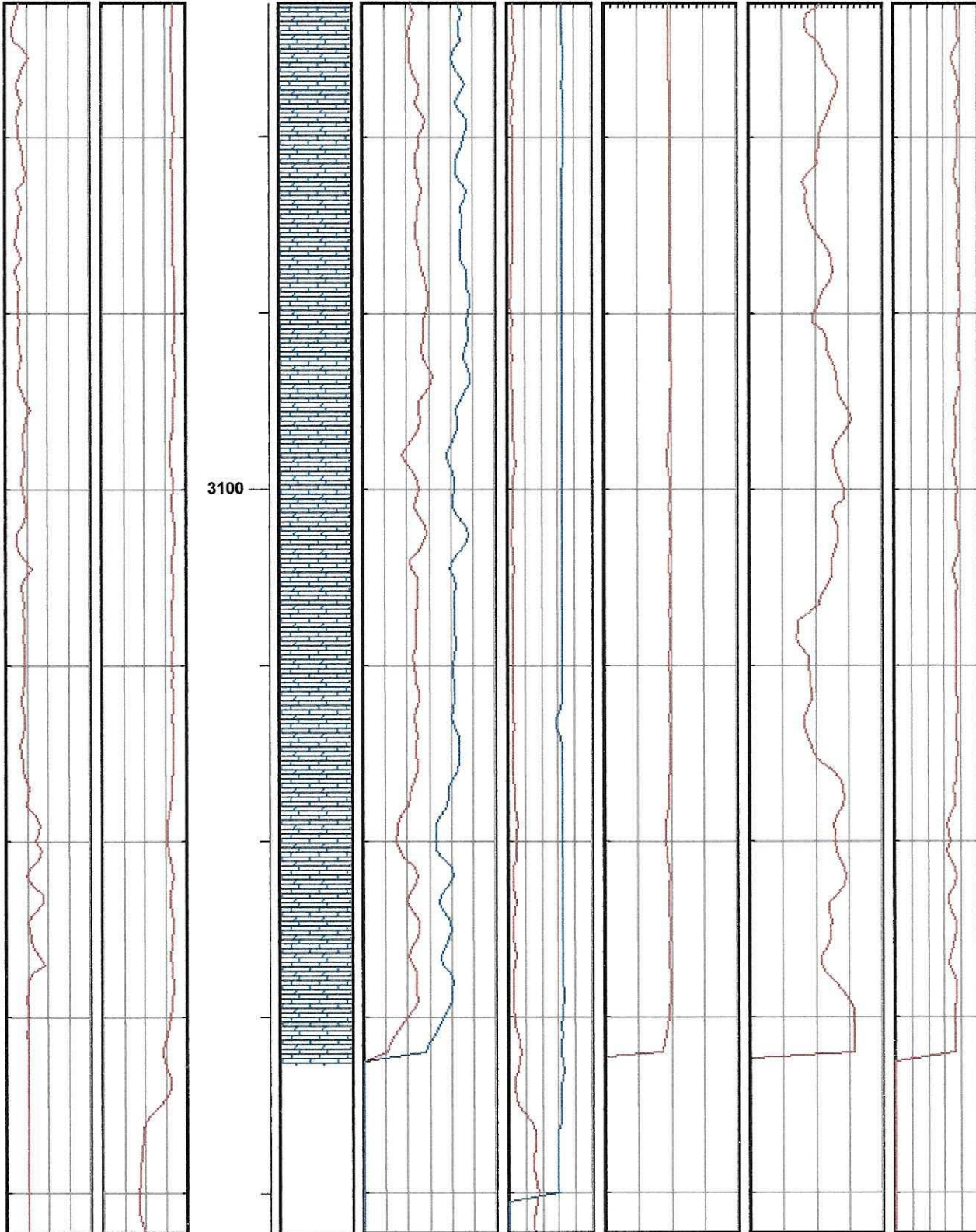


3021ft -
Mississippi

Lucy Pad

Version 1.4

Gamma API units	Sonic usec/ft	Measured Depth ft	Litholog y	Cmp Strength kpsi	Porosity in	Formation Indices	Formation Indices	Fang Degrees
Gamma 0 200	Cmp Sonic 140 40			DM CCS UCS 0 60	Caliper Porosity 0 10	Abrasivity 0.1 10 1000	Vibration 0.1 10 1000	Fang 0 60



Lucy Pad