



**COMPENSATED DENSITY  
SIDEWALL NEUTRON LOG**

<b>Company</b>	HORTON, JACK
<b>Well</b>	BUTCHER # 22
<b>Field</b>	PERU - SEDAN
<b>County</b>	CHAUTAQUA
<b>State</b>	KANSAS

<b>Location:</b>	APL # : 15-019-27491-0000	<b>Other Services</b>
	SE NE SW NE	DIL
	3595' FSL & 1400' FEL	
<b>Permanent Datum</b>	GL	<b>Elevation</b> 940' est.
<b>Log Measured From</b>	GL	<b>K.B.</b> ---
<b>Drilling Measured From</b>	GL	<b>D.F.</b> ---
	SEC 25 TWP 33S RGE 10E	<b>G.L.</b> 940' est.

<b>Date</b>	10-23-2014
<b>Run Number</b>	ONE
<b>Depth Driller</b>	1351'
<b>Depth Logger</b>	1353'
<b>Bottom Logged Interval</b>	1351'
<b>Top Log Interval</b>	SURFACE
<b>Casing Driller</b>	8 5/8" @ 42'
<b>Casing Logger</b>	8 5/8" @ 42'
<b>Bit Size</b>	6 3/4"
<b>Type Fluid in Hole</b>	MUD
<b>Density / Viscosity</b>	
<b>pH / Fluid Loss</b>	
<b>Source of Sample</b>	
<b>Rm @ Meas. Temp</b>	
<b>Rmf @ Meas. Temp</b>	
<b>Rmc @ Meas. Temp</b>	
<b>Source of Rmf / Rmc</b>	
<b>Rm @ BHT</b>	
<b>Time Circulation Stopped</b>	
<b>Time Logger on Bottom</b>	
<b>Maximum Recorded Temperature</b>	
<b>Equipment Number</b>	OW2
<b>Location</b>	HOMINY, OK
<b>Recorded By</b>	LOWERY
<b>Witnessed By</b>	MR. DAVIS

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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**

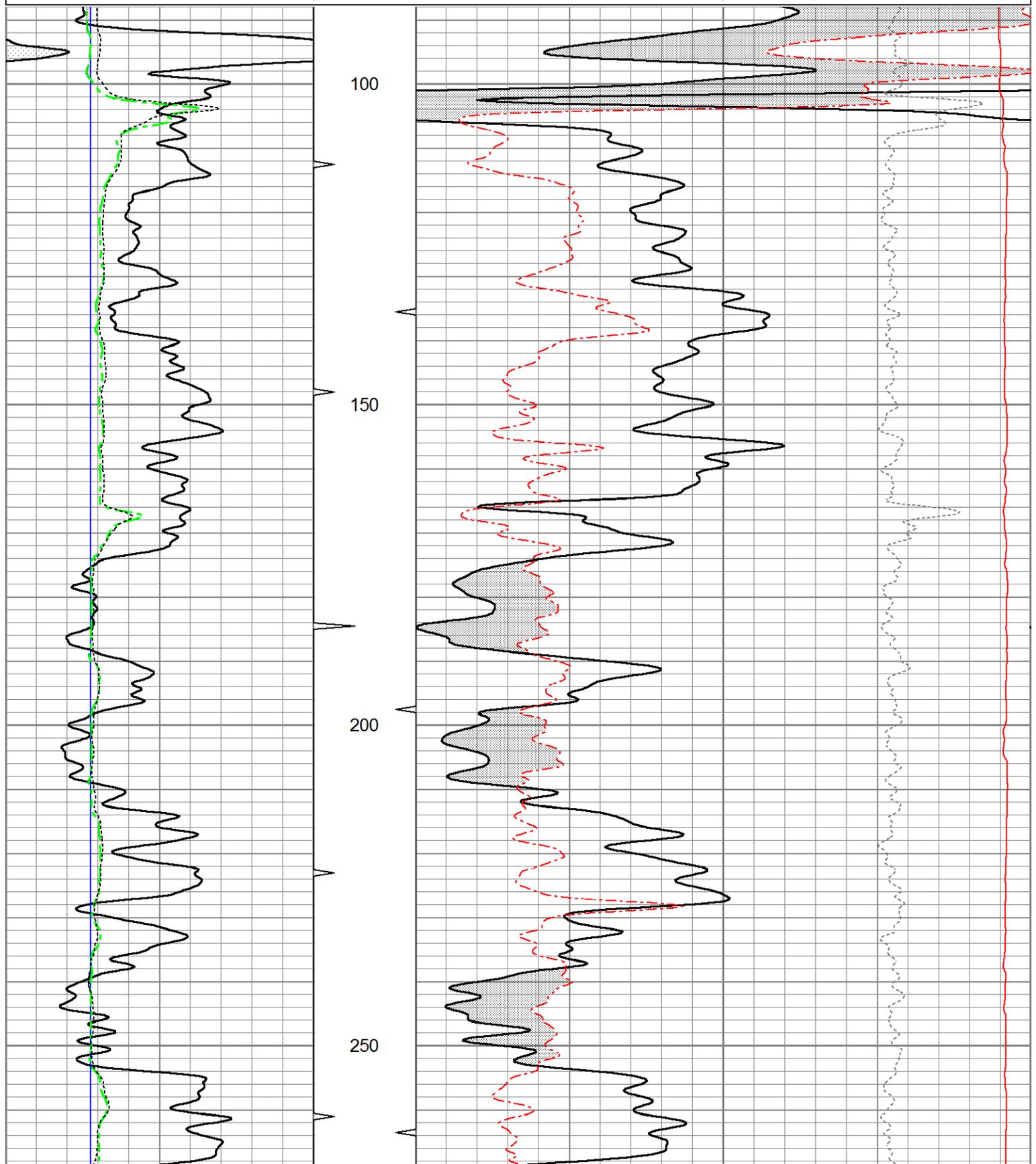
**OW2-8751**  
**MATRIX LIMESTONE 2.71 G/CC**  
**ABHV COMPUTED WITH 4 1/2" CASING**  
  
**CREW : SHAMBLES**

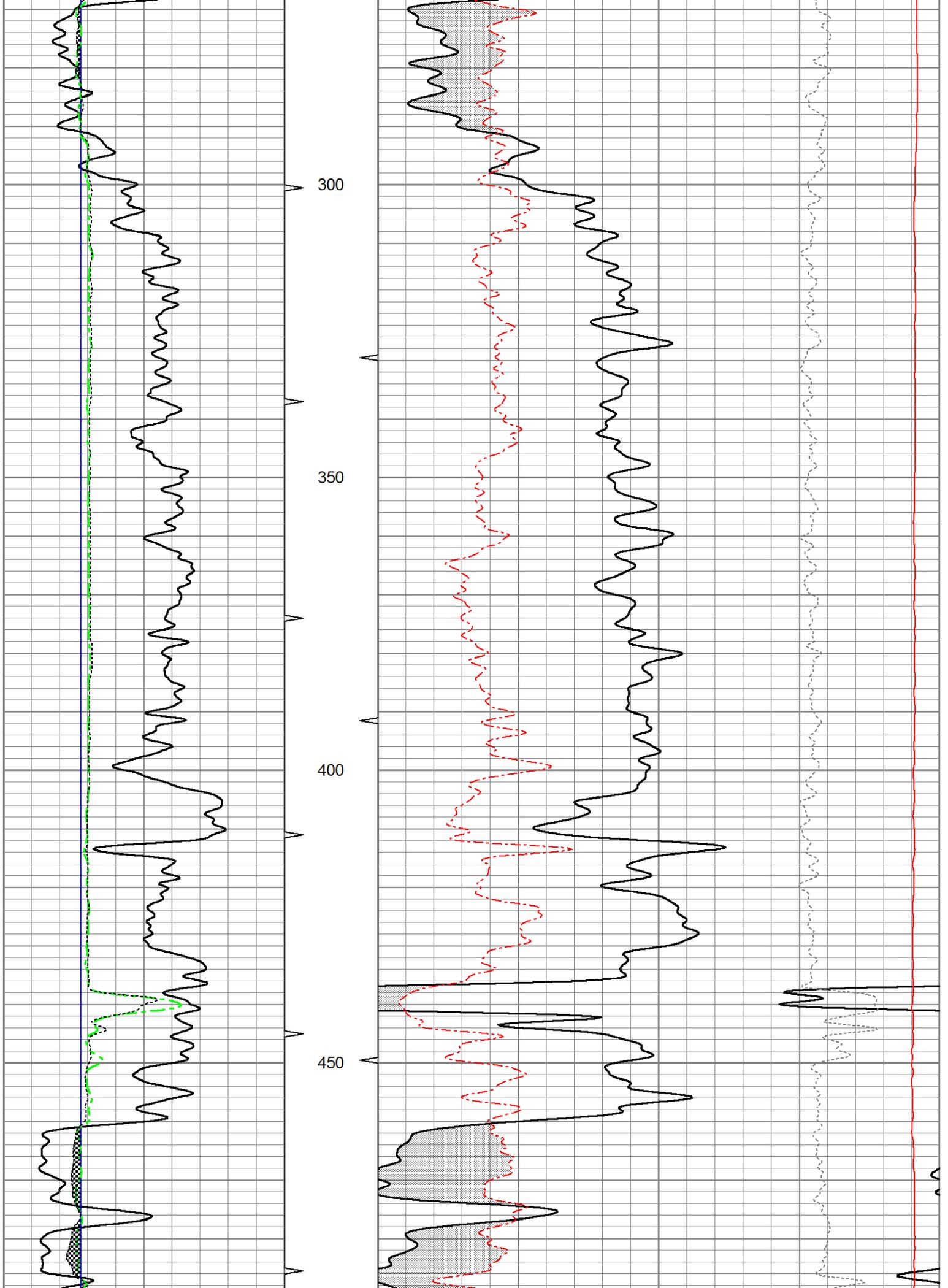


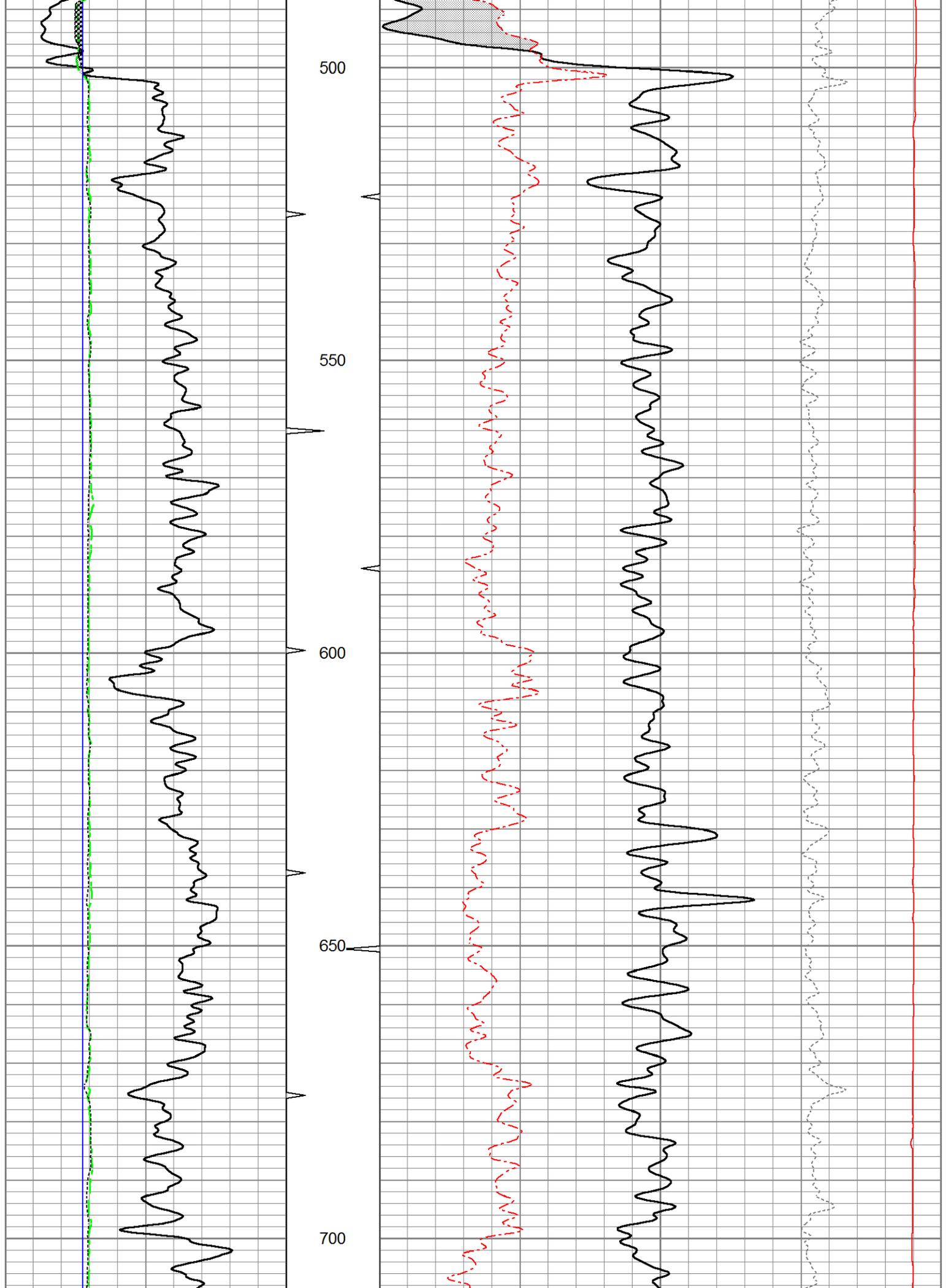
**5" CDL/SWN SECTION**

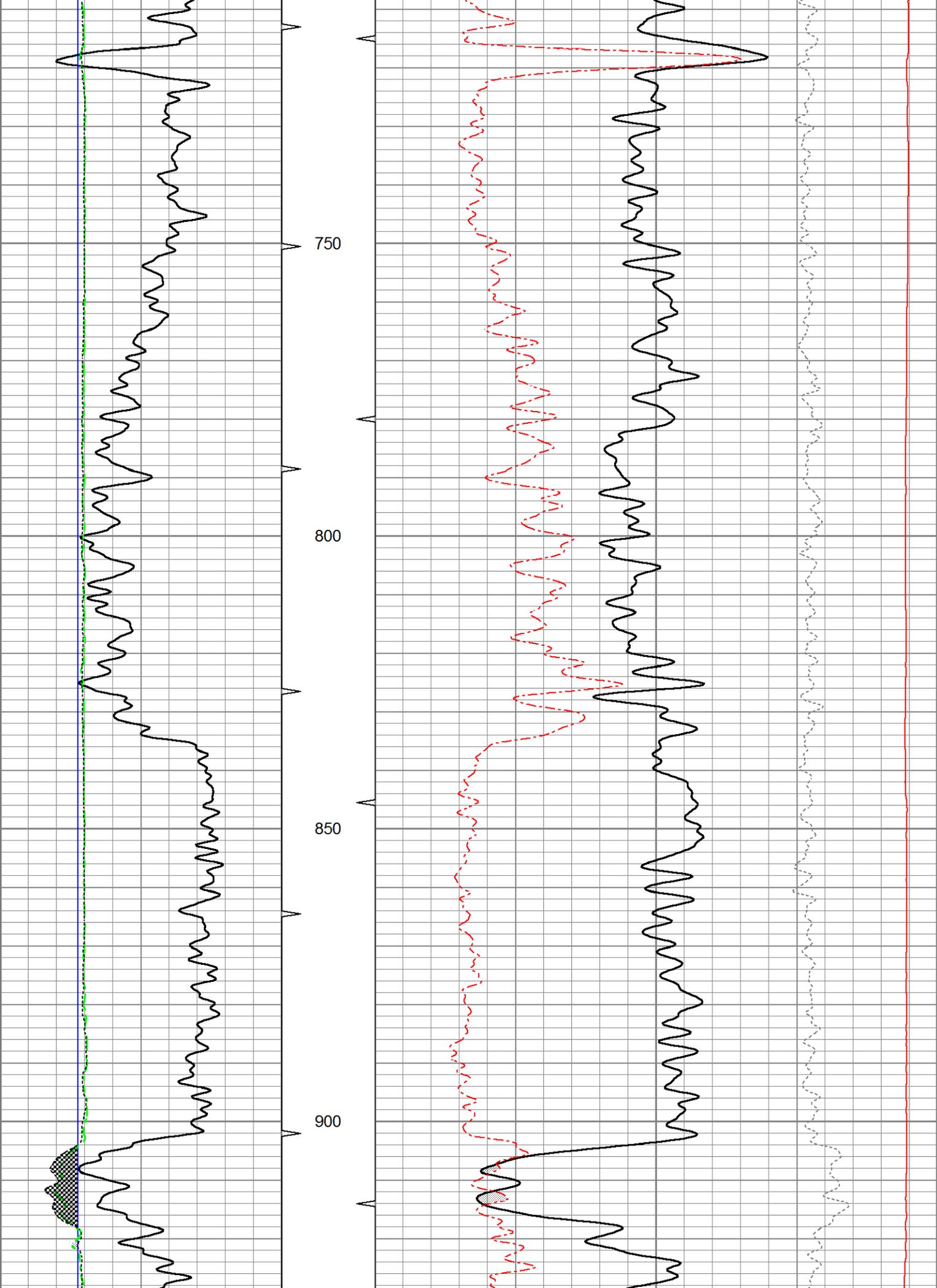
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 Charted by Depth in Feet scaled 1:240

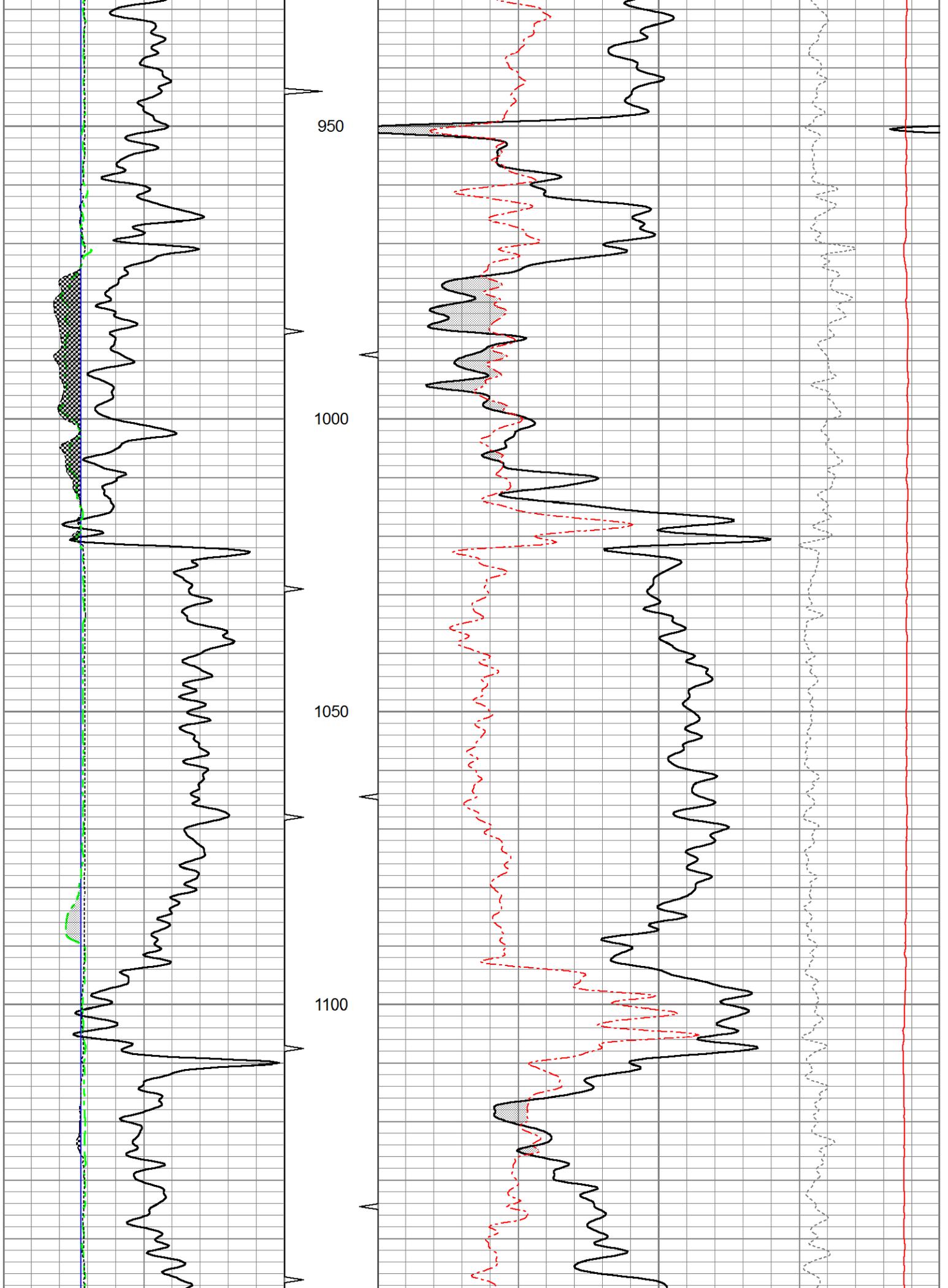
0	Gamma Ray (GAPI)	150	TBHV	30	Density Porosity (pu)	-10
4	Bit size (in)	14	ABHV	30	Neutron Porosity (pu)	-10
4	Neutron Caliper (in)	14			-0.5	Correction (g/cc) 0.5
4	Density Caliper (in)	14			5000	Line Tension (lb) 0











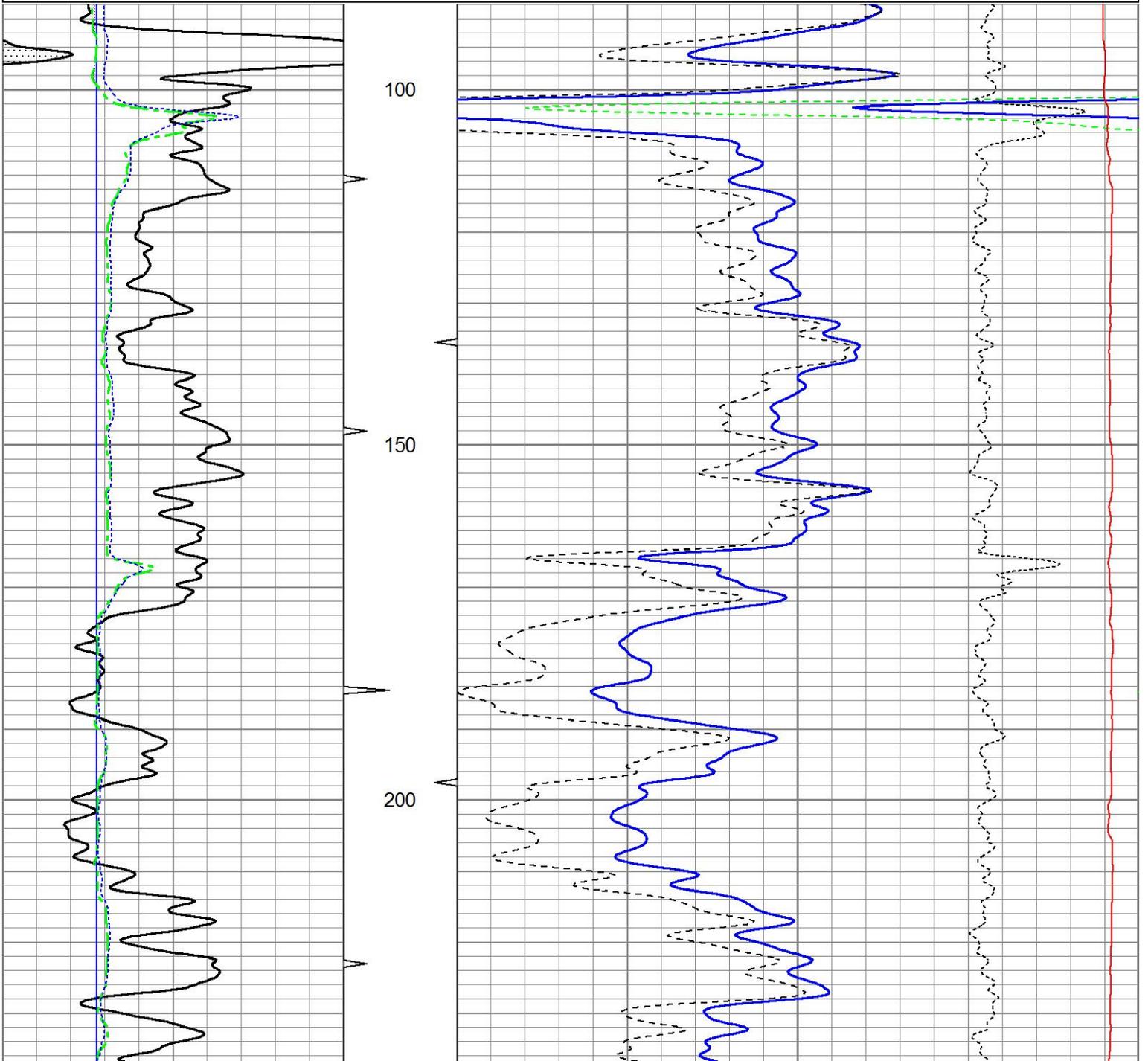


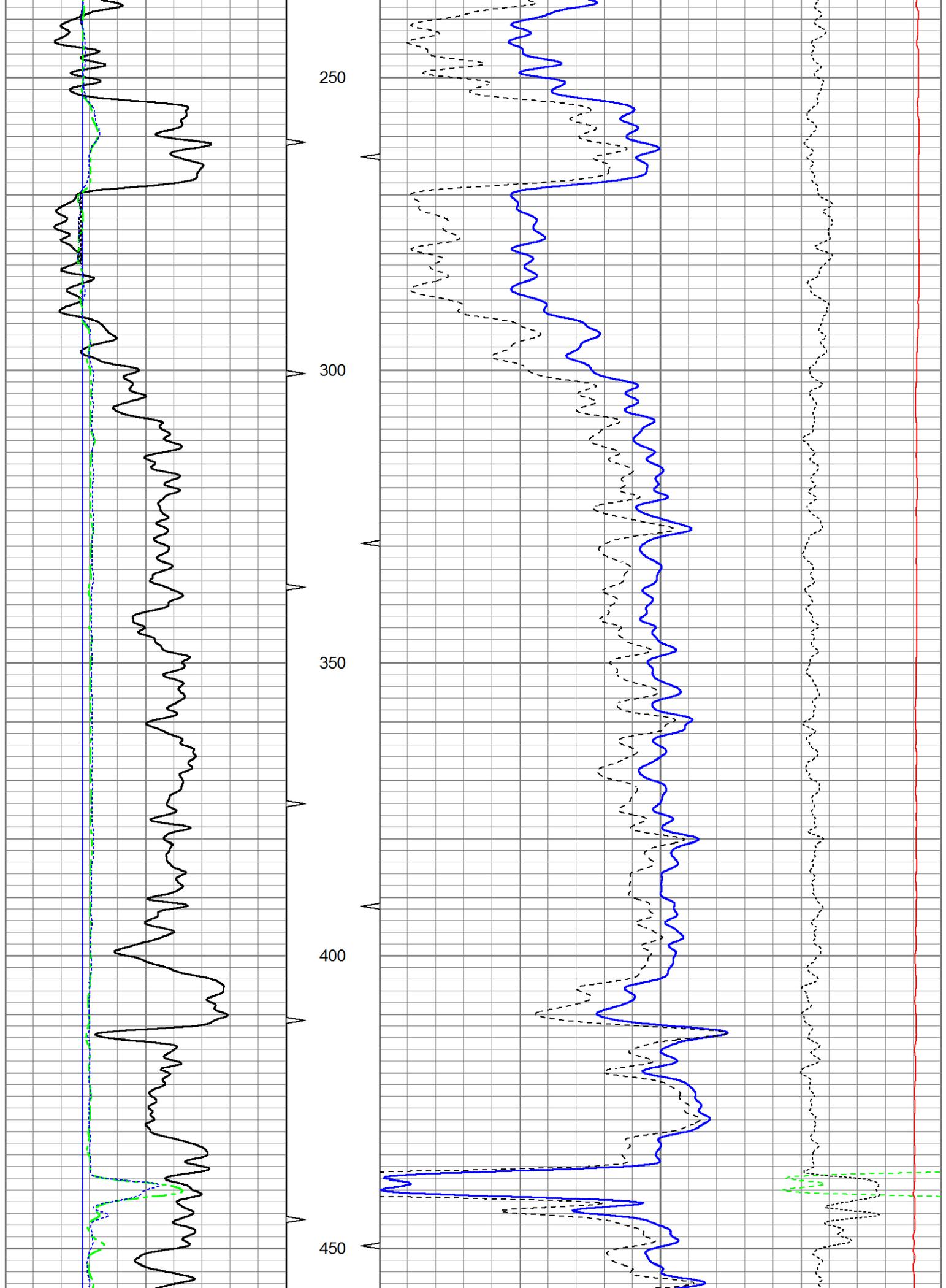


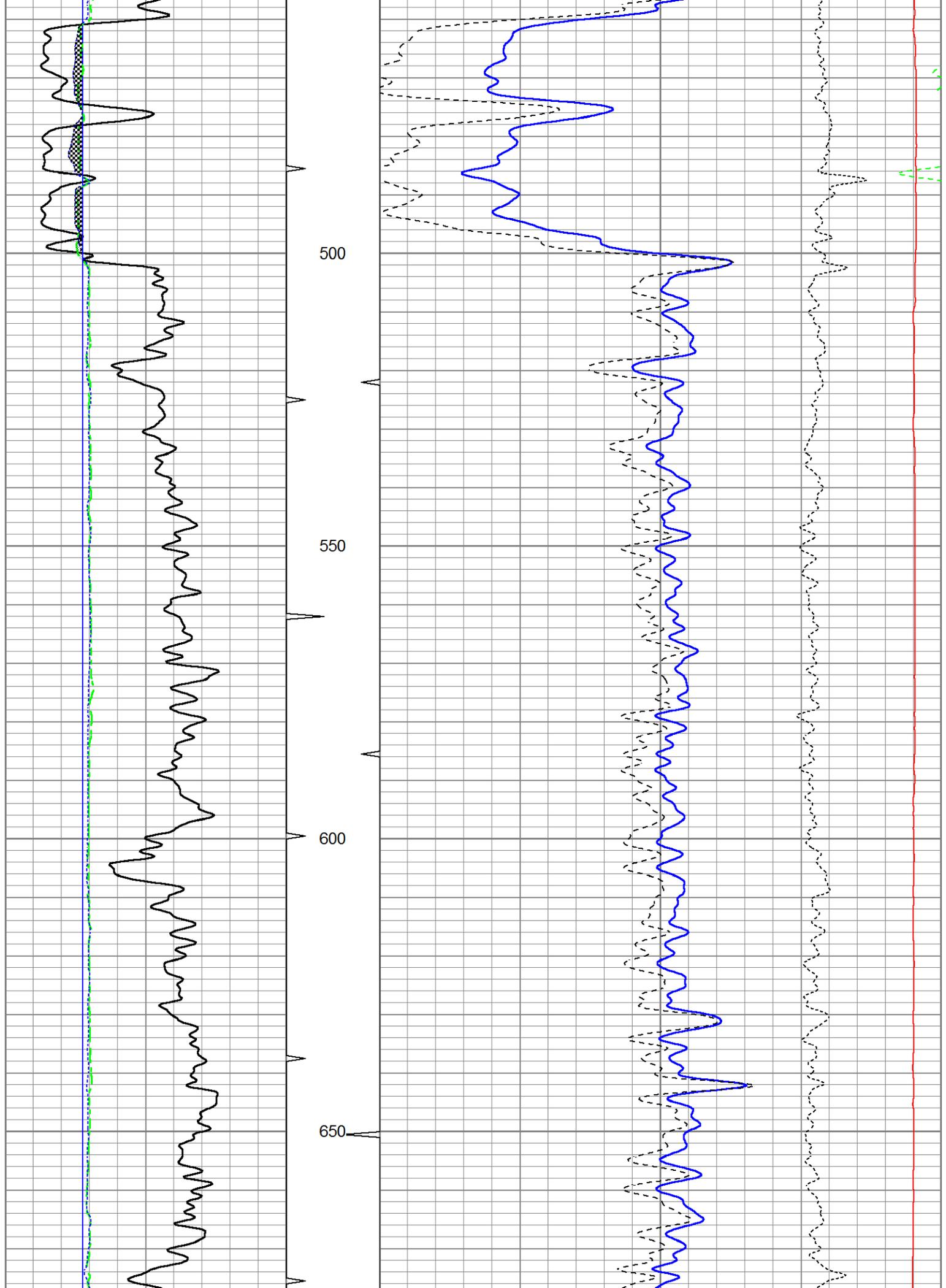
# 5" CDL SECTION

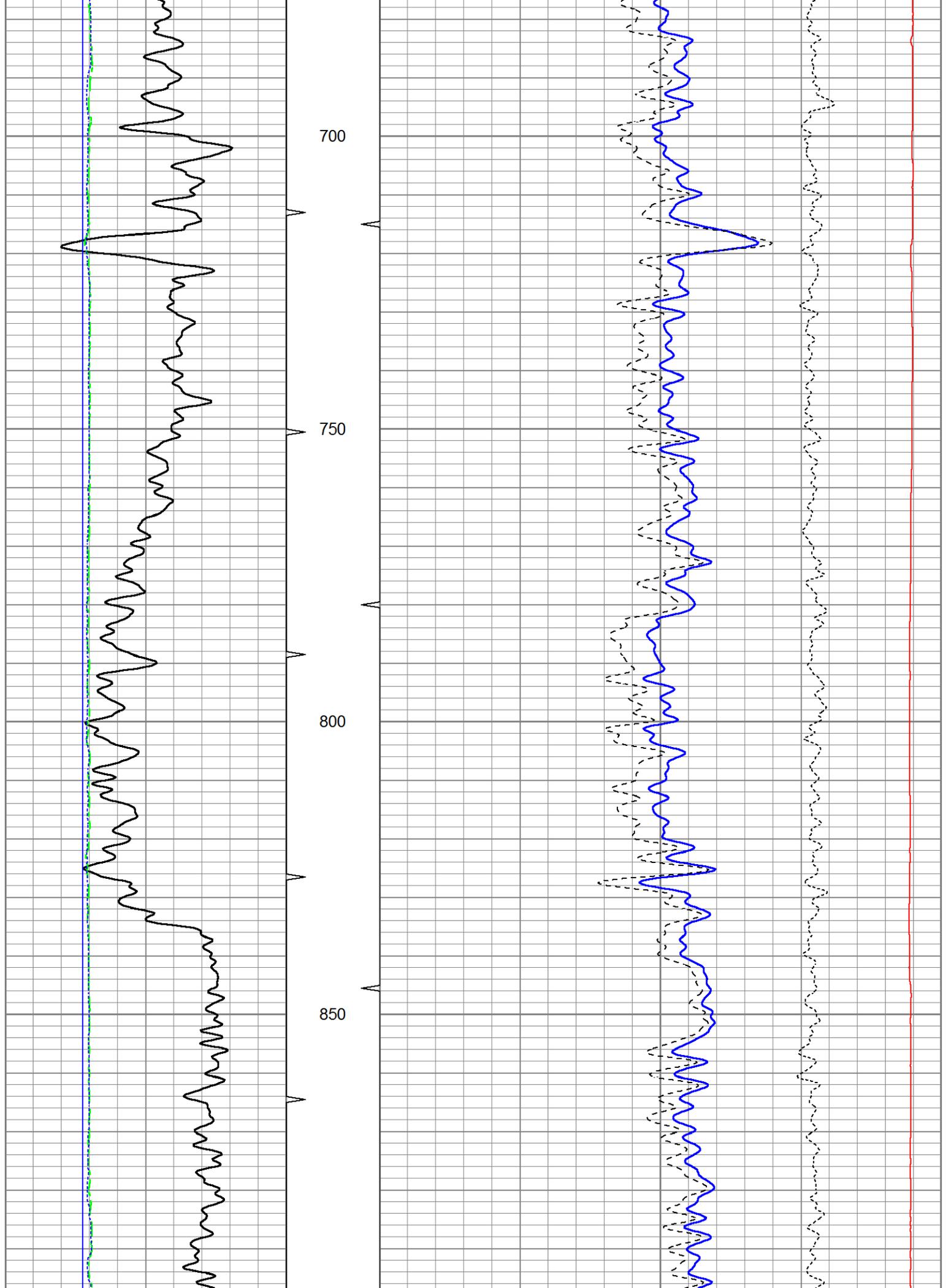
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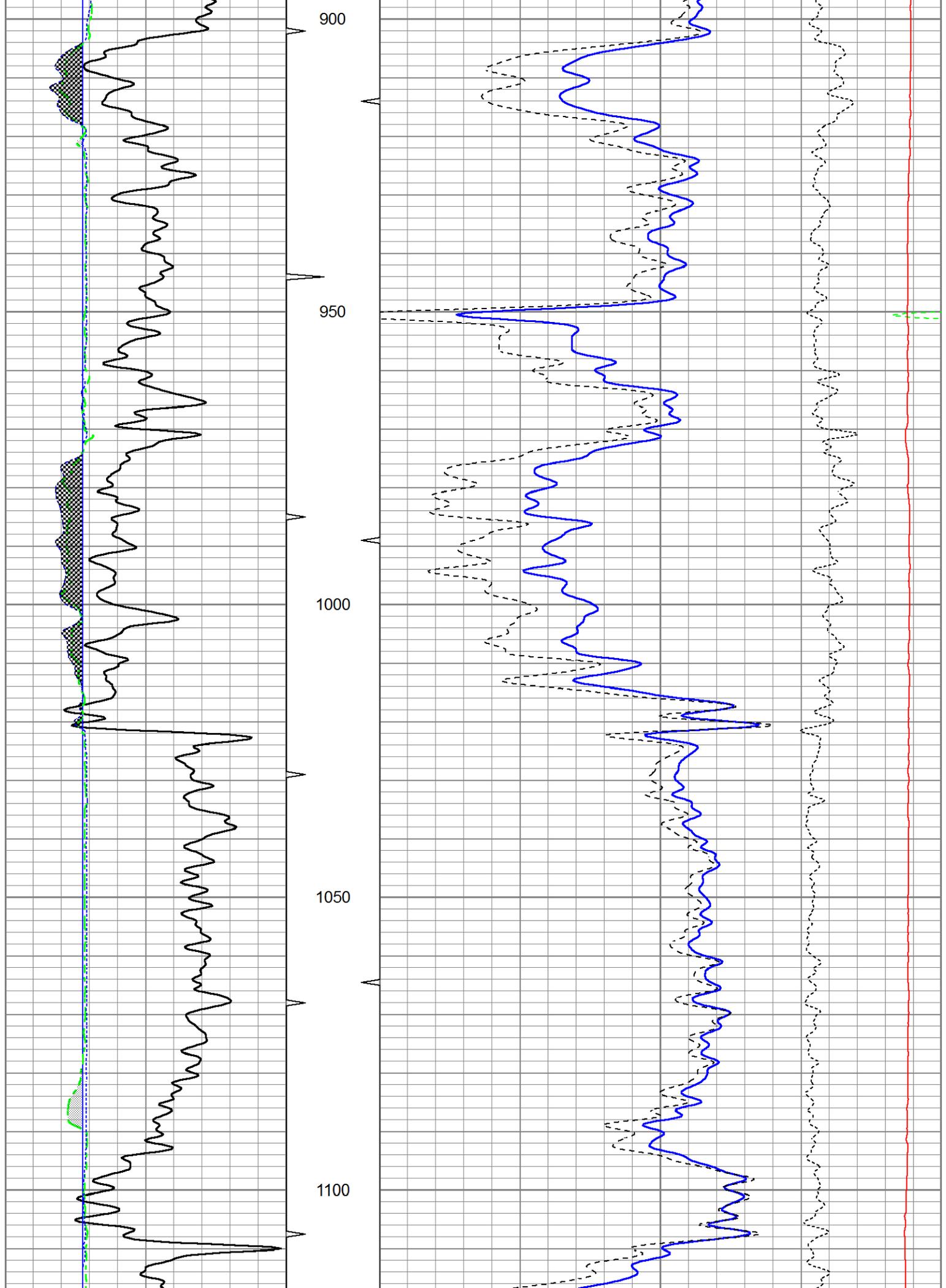
0	Gamma Ray (GAPI)	150	TBHV	2	Bulk Density (g/cc)	3
4	Bit size (in)	14	ABHV	30	Density porosity (pu)	-10
4	Neutron Caliper (in)	14			-0.5 Correction (g/cc)	0.5
4	Density Caliper (in)	14			5000 Line Tension (lb)	0

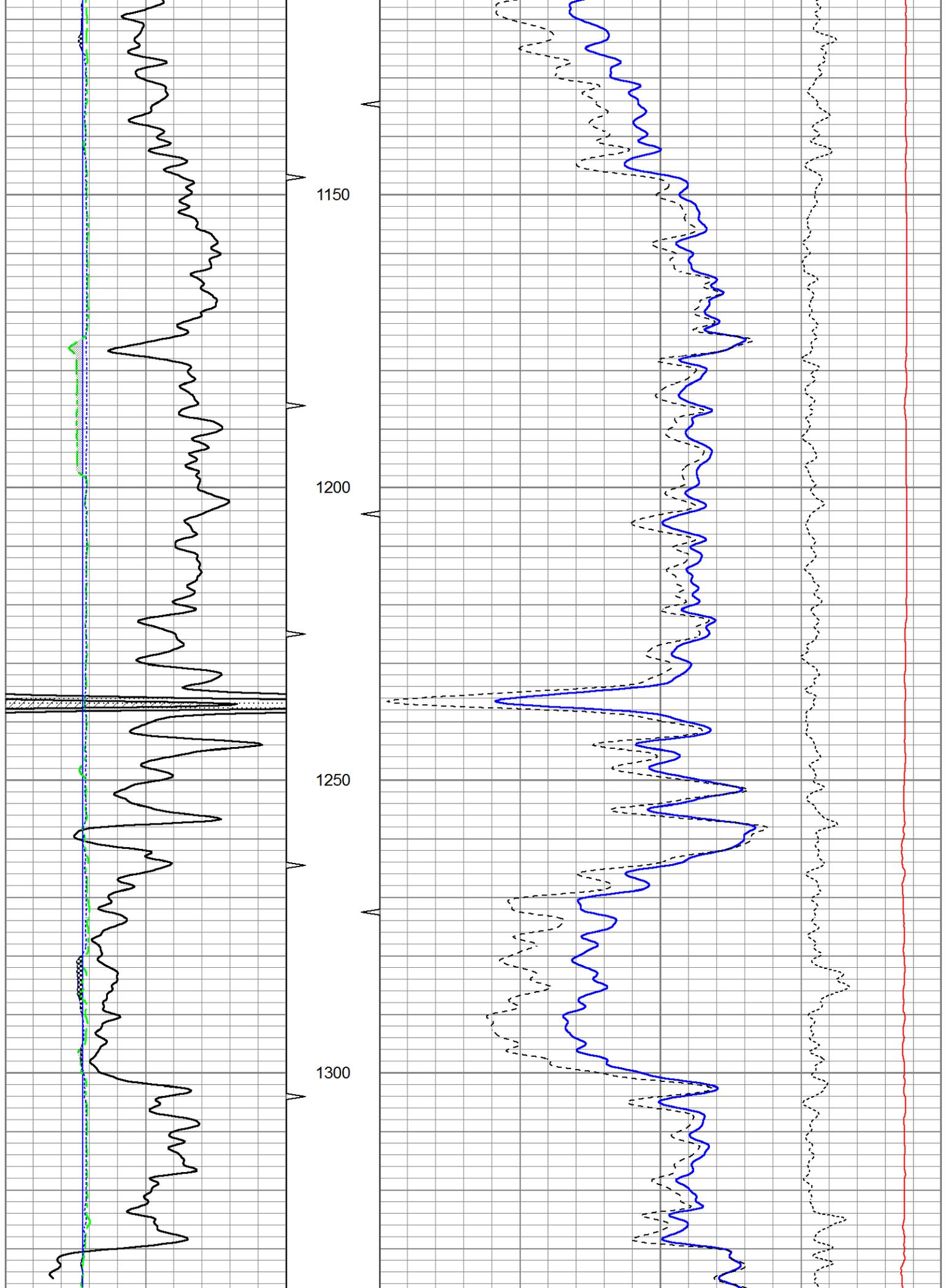


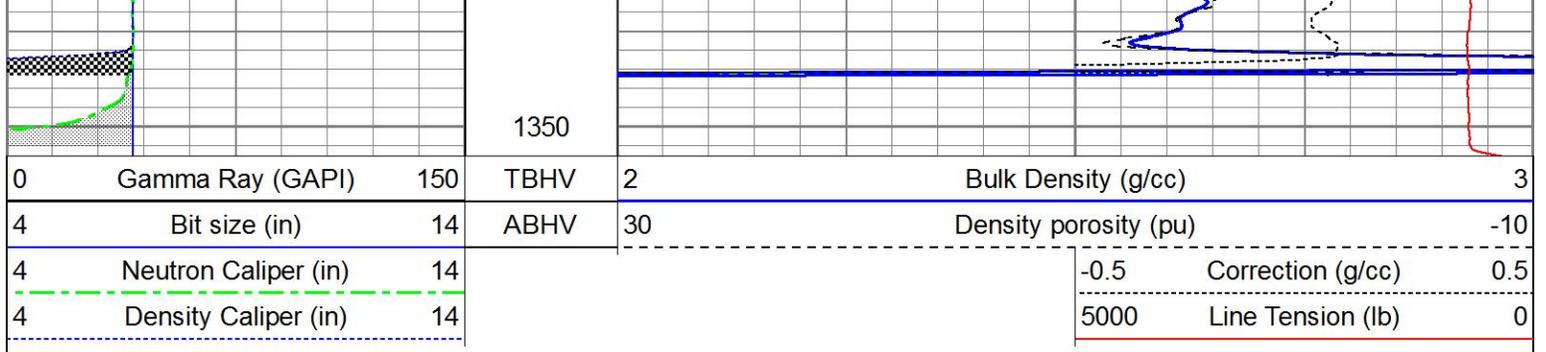












Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	15.60		Cable-CableHead Isulation Sub	1.42	3.00	20.00
			Gamma-Oilex2122 (2122) Gamma Ray Section	2.83	3.50	75.00
LSD	10.21		Density-Oilex2226 (2226) Density Section	6.08	4.00	200.00
DCAL	9.94					
SSD	9.76					
			Neutron-Sidewall3015 (3015) Sidewall Neutron Section	7.81	4.00	150.00
SCAL	2.54					
SWN	2.15					
NEU	2.15					

Dataset: ow2-8751 jack horton.db: field/well/CDL/pass1  
 Total length: 18.15 ft  
 Total weight: 445.00 lb  
 O.D.: 4.00 in