



DUAL INDUCTION LL3/GR LOG

Company	KIOWA GAS COMPANY	Location:	API # : 15-087-20665-00-00	Other Services
Well	WILLITS # 3			
Field	McLOUTH SOUTH			
County	JEFFERSON			
State	KANSAS			
Permanent Datum	GL	SEC 17 TWP 10S RGE 20E	Elevation	1120
Log Measured From	GL	SW NE NE SE 2000' FSL & 450' FEL	CDLN	
Drilling Measured From	GL		Elevation	K.B. D.F. G.L. 1120
Date	8-18-2023			
Run Number	ONE			
Depth Driller	1575			
Depth Logger	1566			
Bottom Logged Interval	1564			
Top Log Interval	100			
Casing Driller	8.625" @ 100			
Casing Logger	8.625" @ 100			
Bit Size	6.75"			
Type Fluid in Hole	WATER			
Density / Viscosity				
pH / Fluid Loss				
Source of Sample				
Rm @ Meas. Temp				
Rmf @ Meas. Temp				
Rmc @ Meas. Temp				
Source of Rmf / Rmc				
Rm @ BHT				
Time Circulation Stopped				
Time Logger on Bottom				
Maximum Recorded Temperature				
Equipment Number	OW2			
Location	HOMINY, OK			
Recorded By	SHELDON TYLER			
Witnessed By	MR. BAILEY			

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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

FILE # OW2-9200 KIOWA GAS
KIDD, WHITENECK

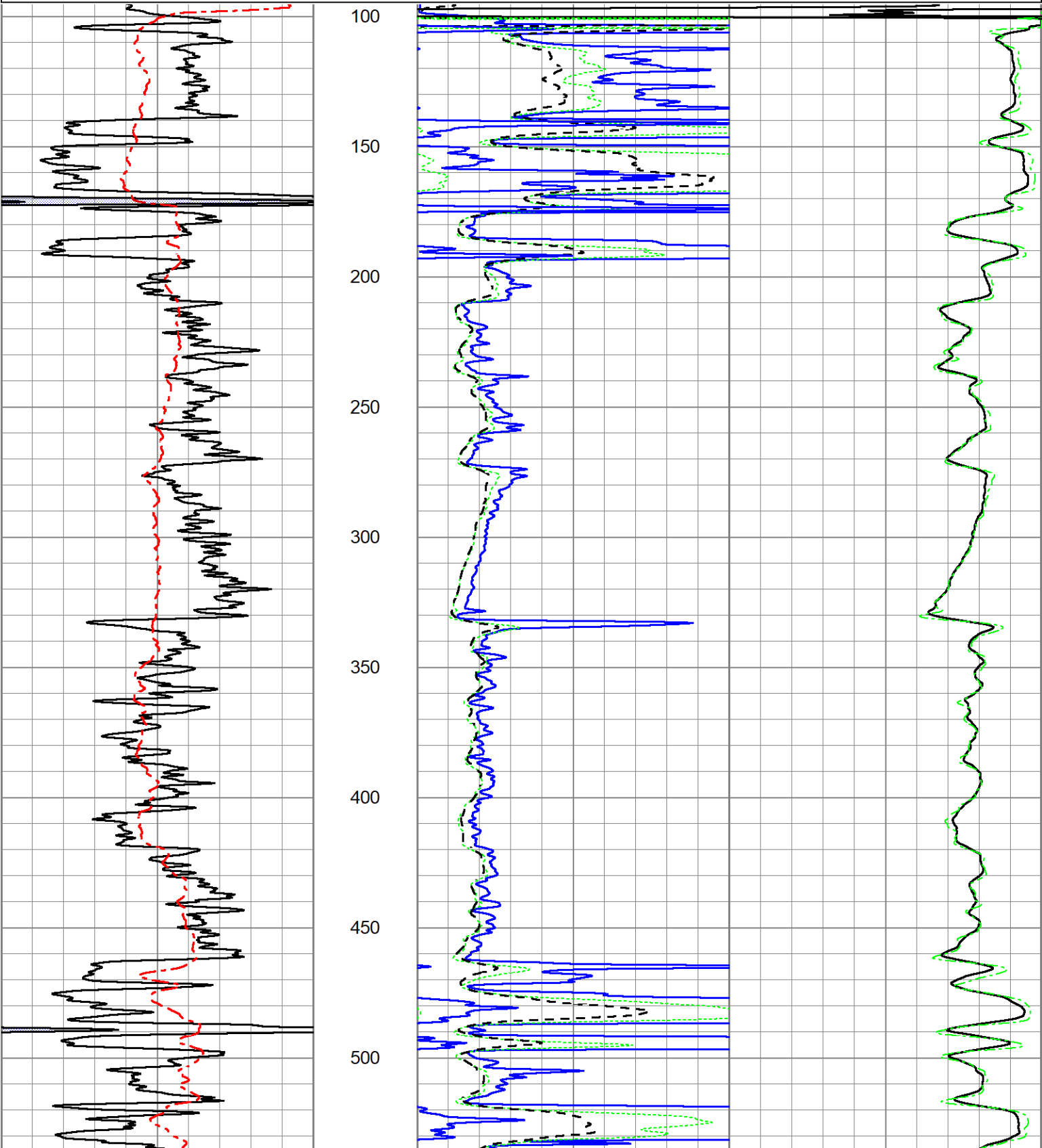
THANK YOU FOR USING OSAGE WIRELINE

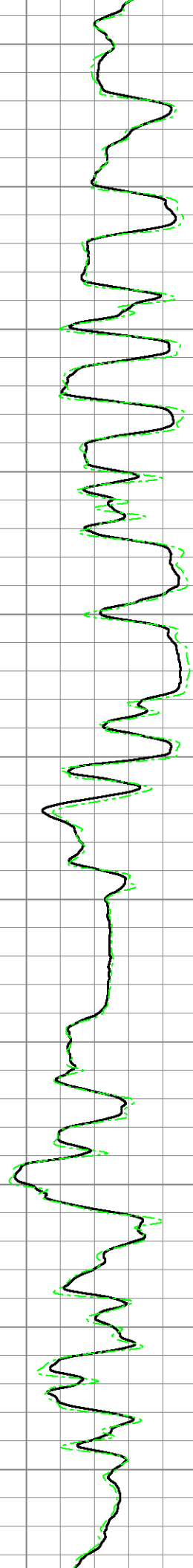
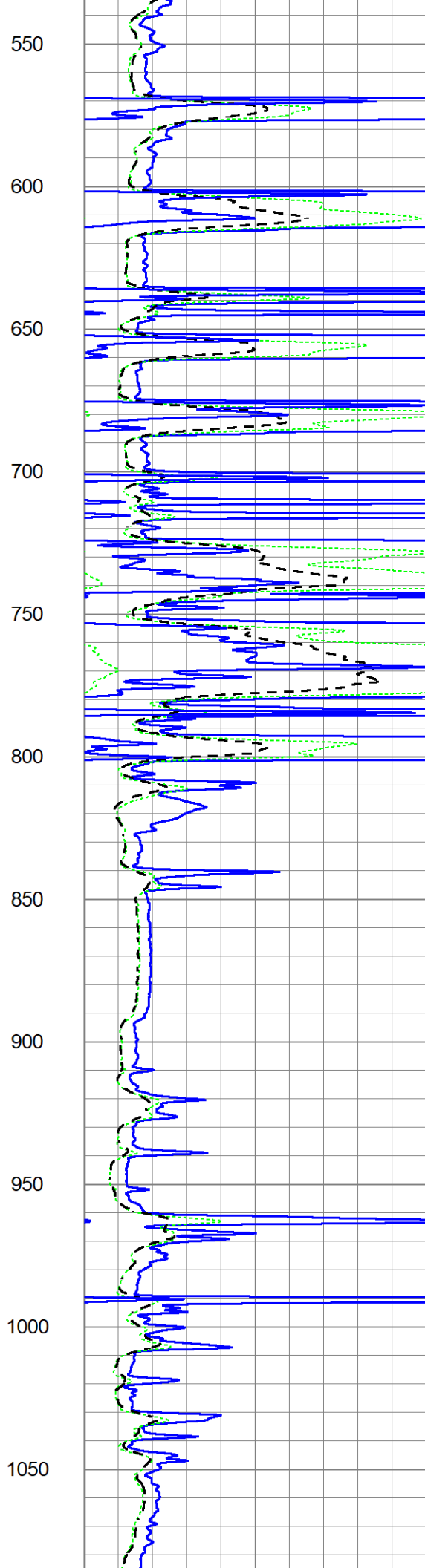
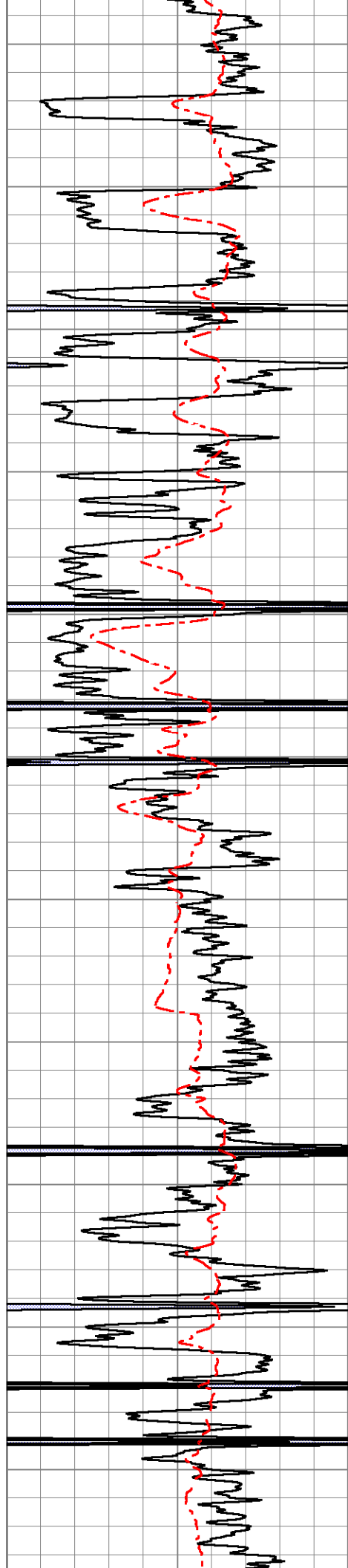


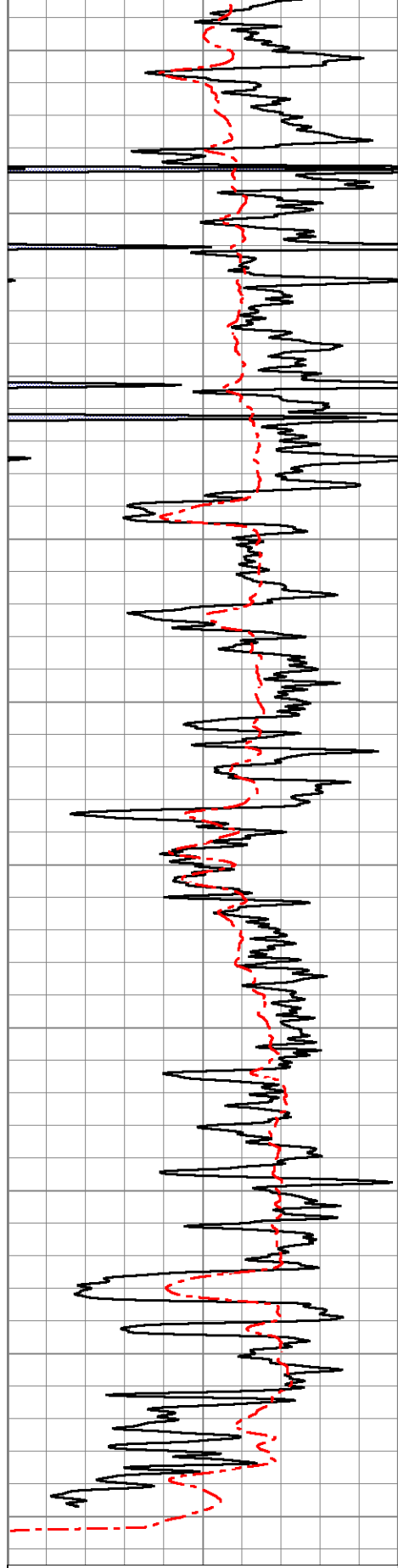
2" DUAL INDUCTION LOG

Database File	ow2-9200 kiowa gas.db
Dataset Pathname	pass4.6
Presentation Format	st_dil_2inch_6-16
Dataset Creation	Fri Aug 18 12:36:58 2023
Charted by	Depth in Feet scaled 1:600

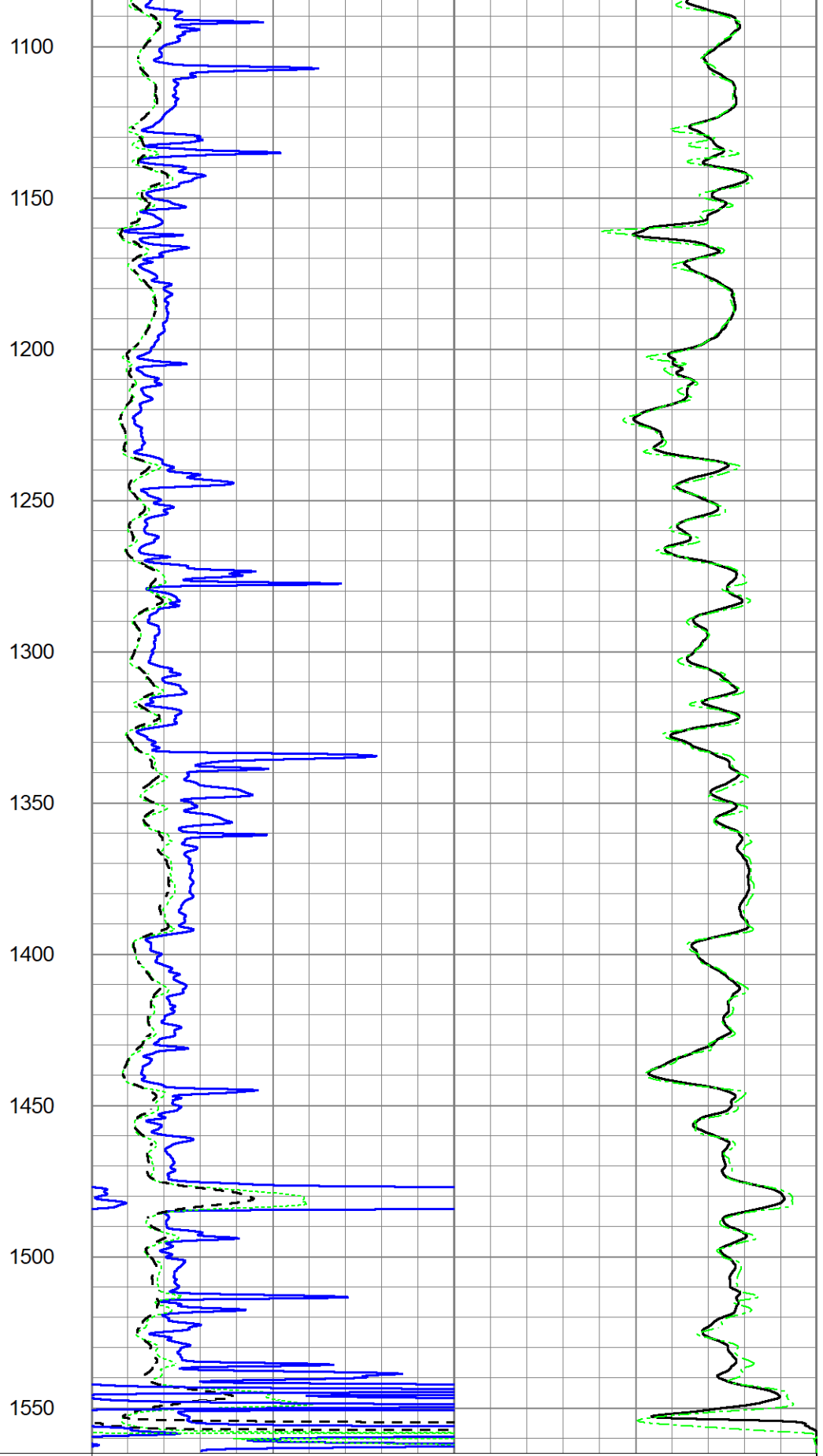
0	GR (GAPI)	150	1000	CILD (mmho/m)	0
0	Spontaneous Potential (mV)	200	1000	CILM (mmho/m)	0
			0	RLL3 (Ohm-m)	50
			0	RILM (Ohm-m)	50
			0	RILD (Ohm-m)	50







0 GR (GAPI) 150
0 Spontaneous Potential (mV) 200



1000 CILD (mmho/m) 0
1000 CILM (mmho/m) 0

0	RLL3 (Ohm-m)	50
0	RILM (Ohm-m)	50
0	RILD (Ohm-m)	50

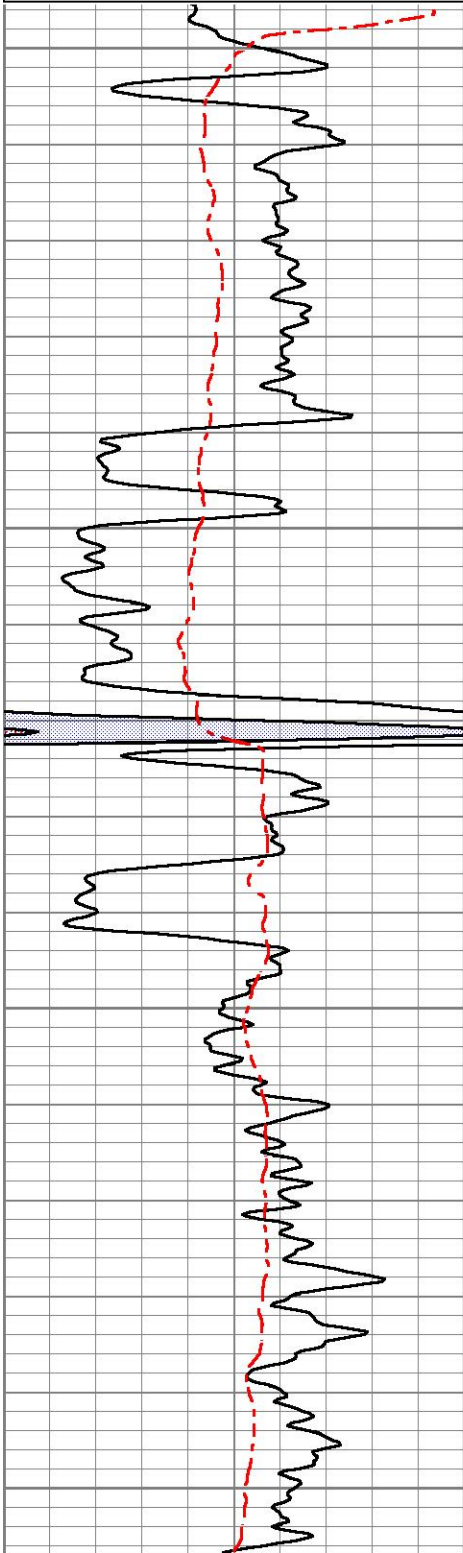


5" DUAL INDUCTION LOG

Database File ow2-9200 kiowa gas.db
Dataset Pathname pass4.7
Presentation Format st-dil_5
Dataset Creation Fri Aug 18 12:37:23 2023
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
0	Spontaneous Potential (mV)	200

0.2	Shallow Resistivity (Ohm-m)	2000
0.2	Deep Resistivity (Ohm-m)	2000
0.2	Medium Resistivity (Ohm-m)	2000

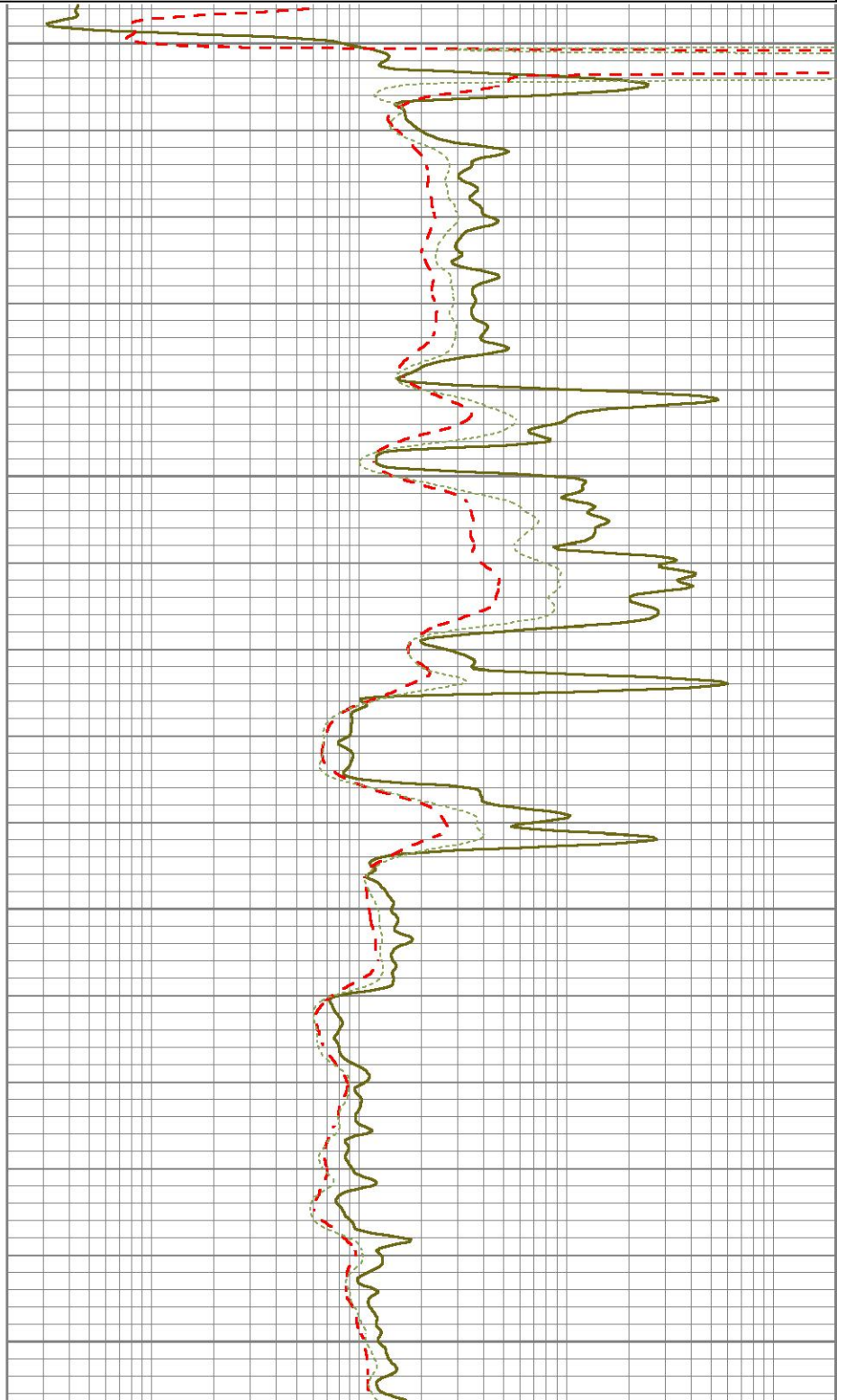


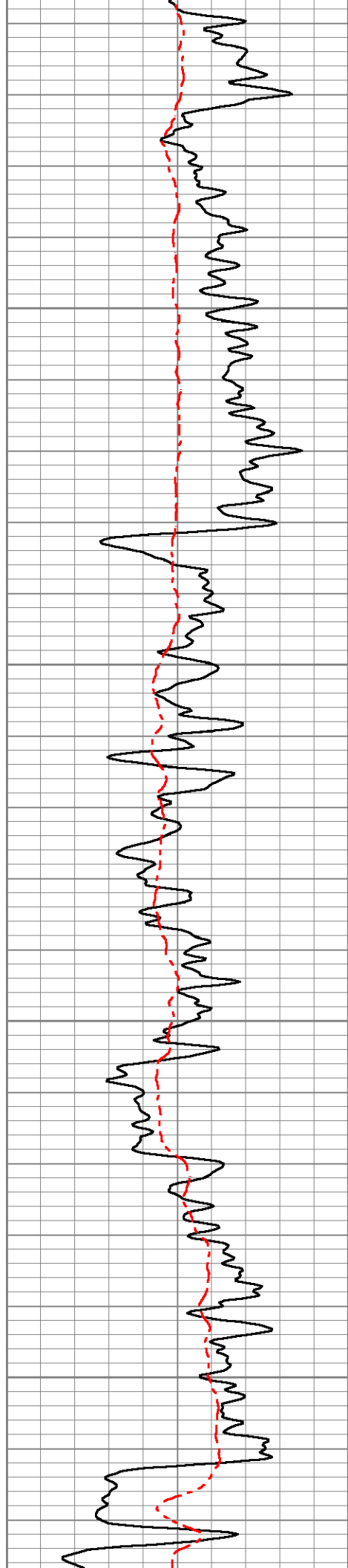
100

150

200

250



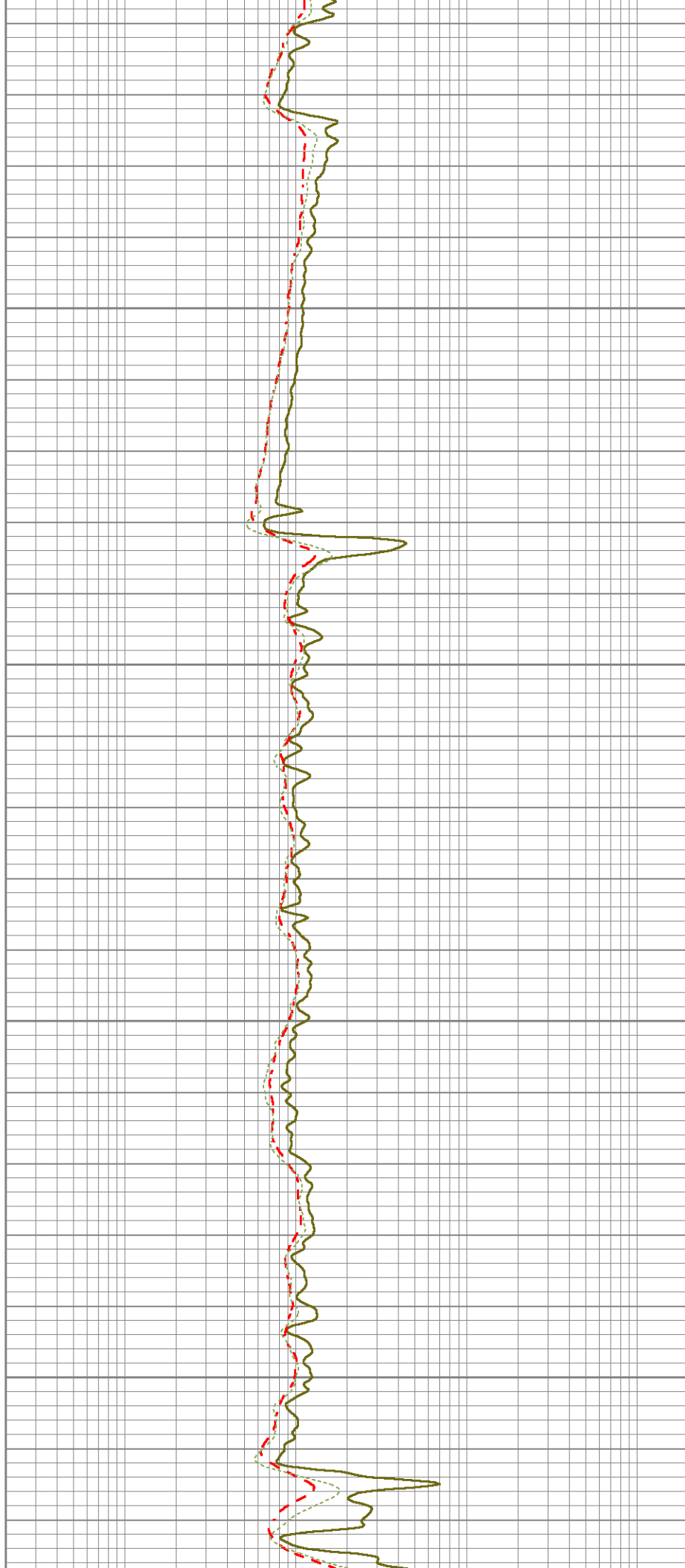


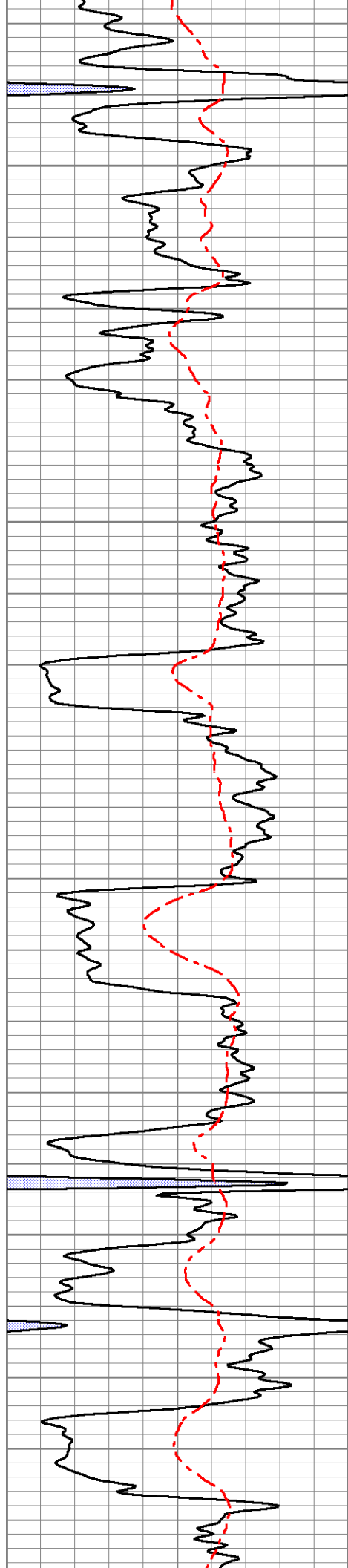
300

350

400

450



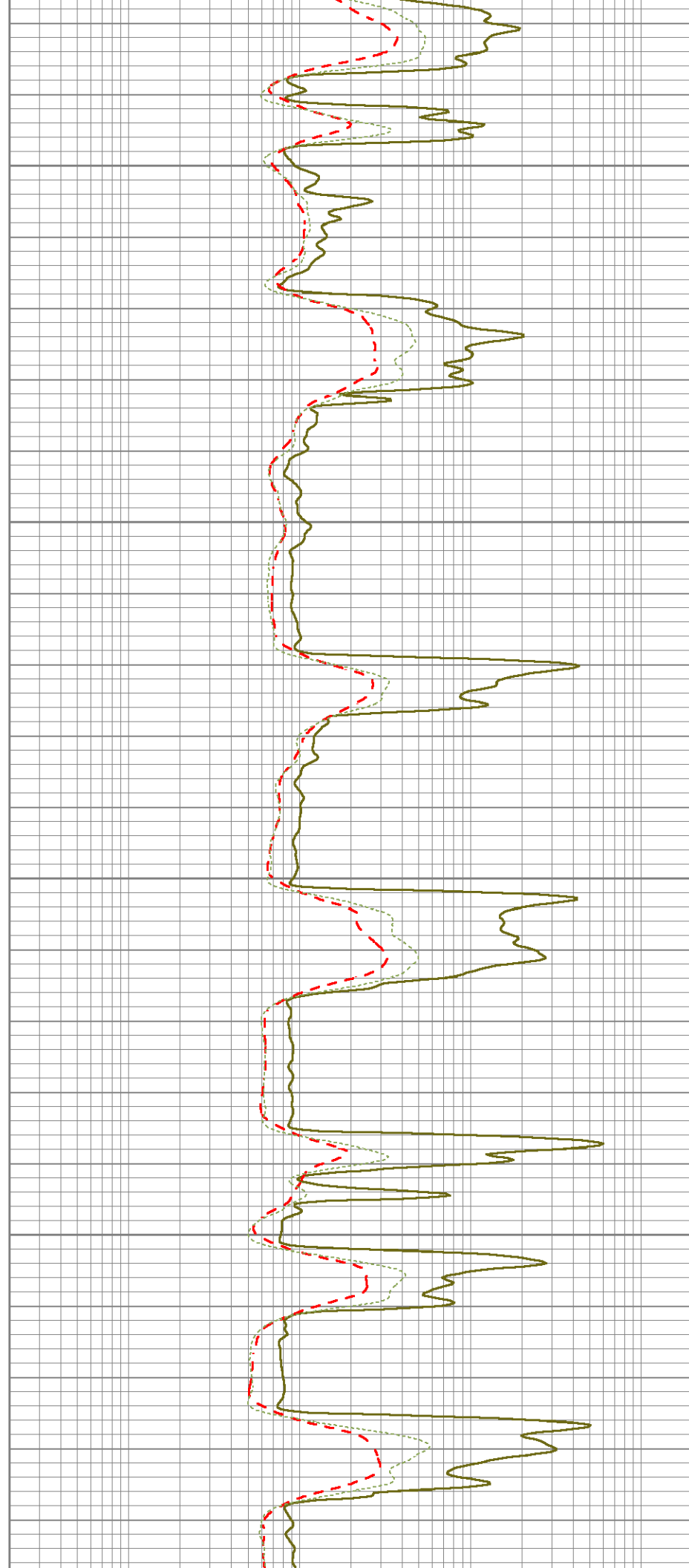


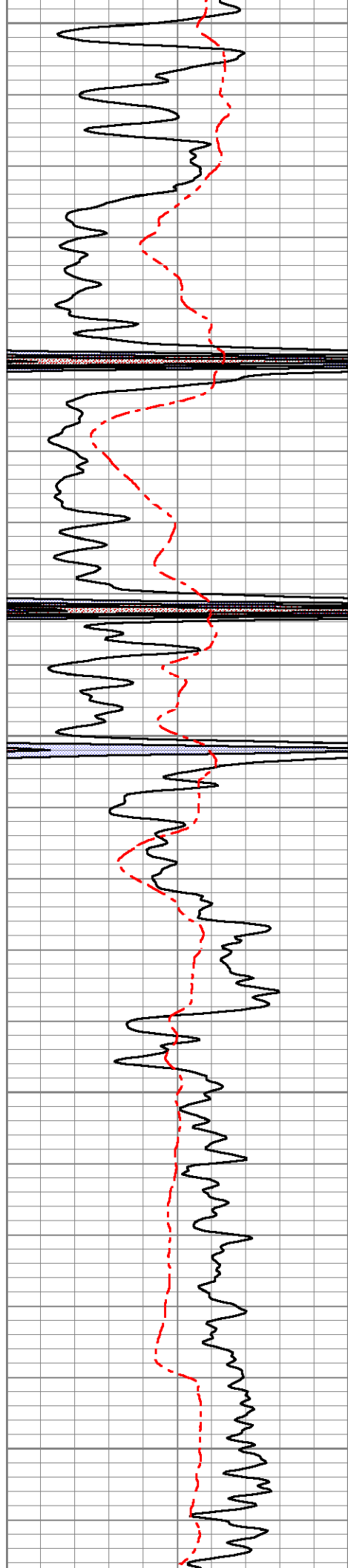
500

550

600

650





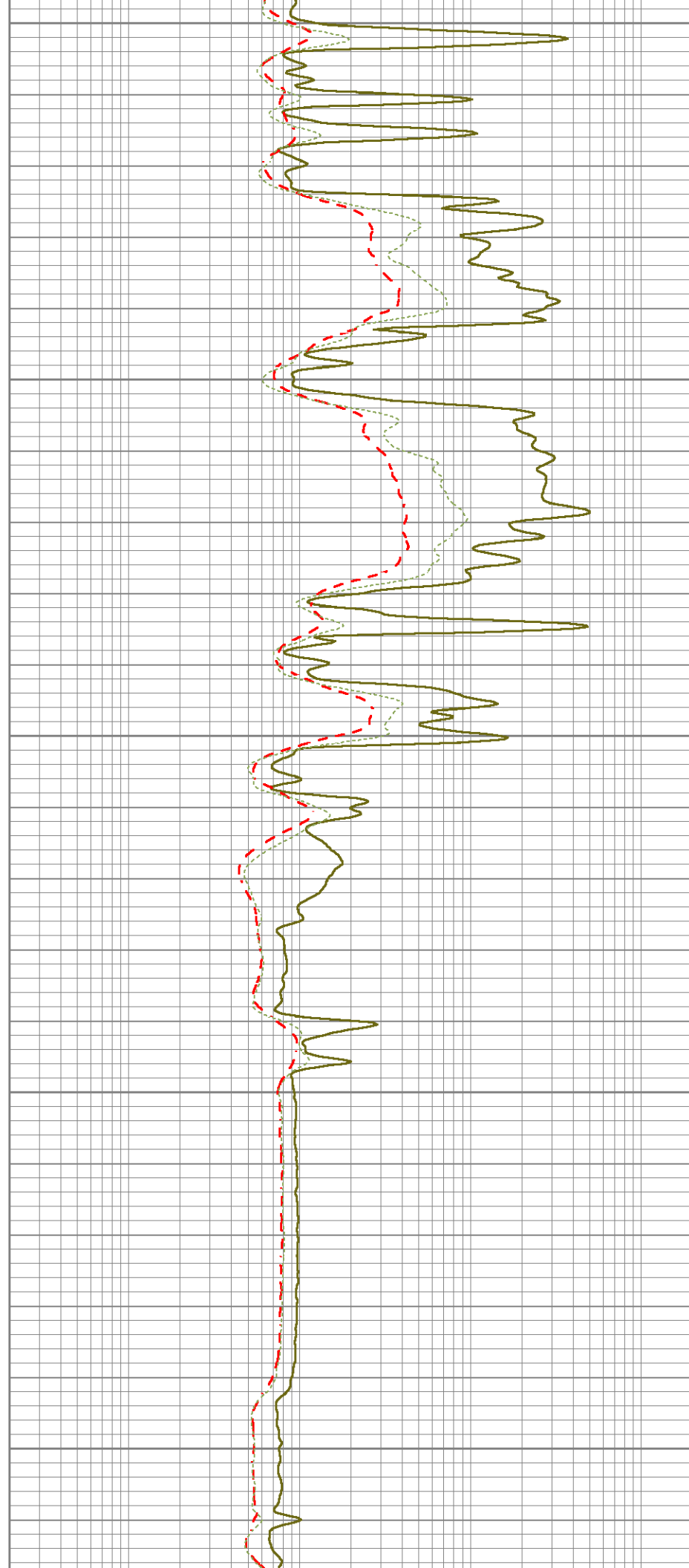
700

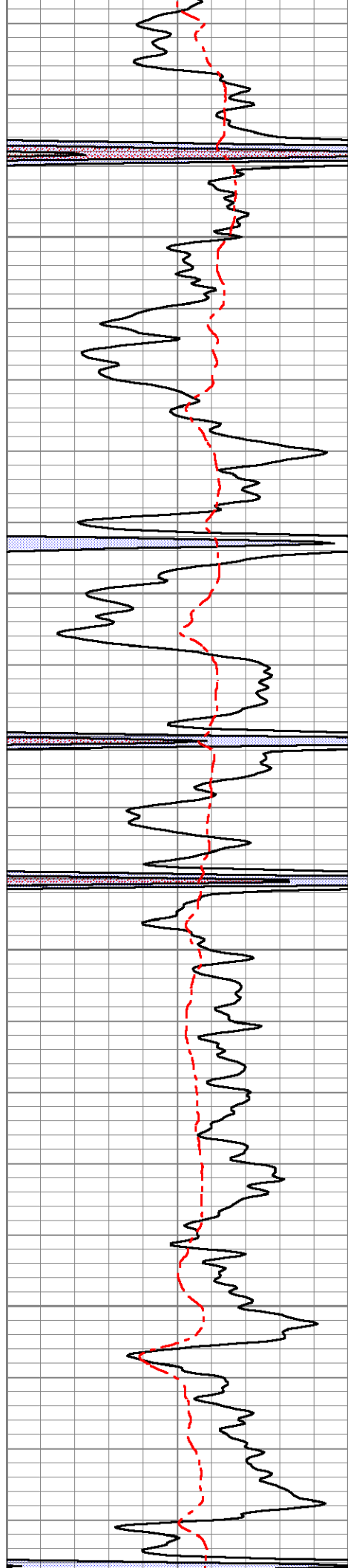
750

800

850

900



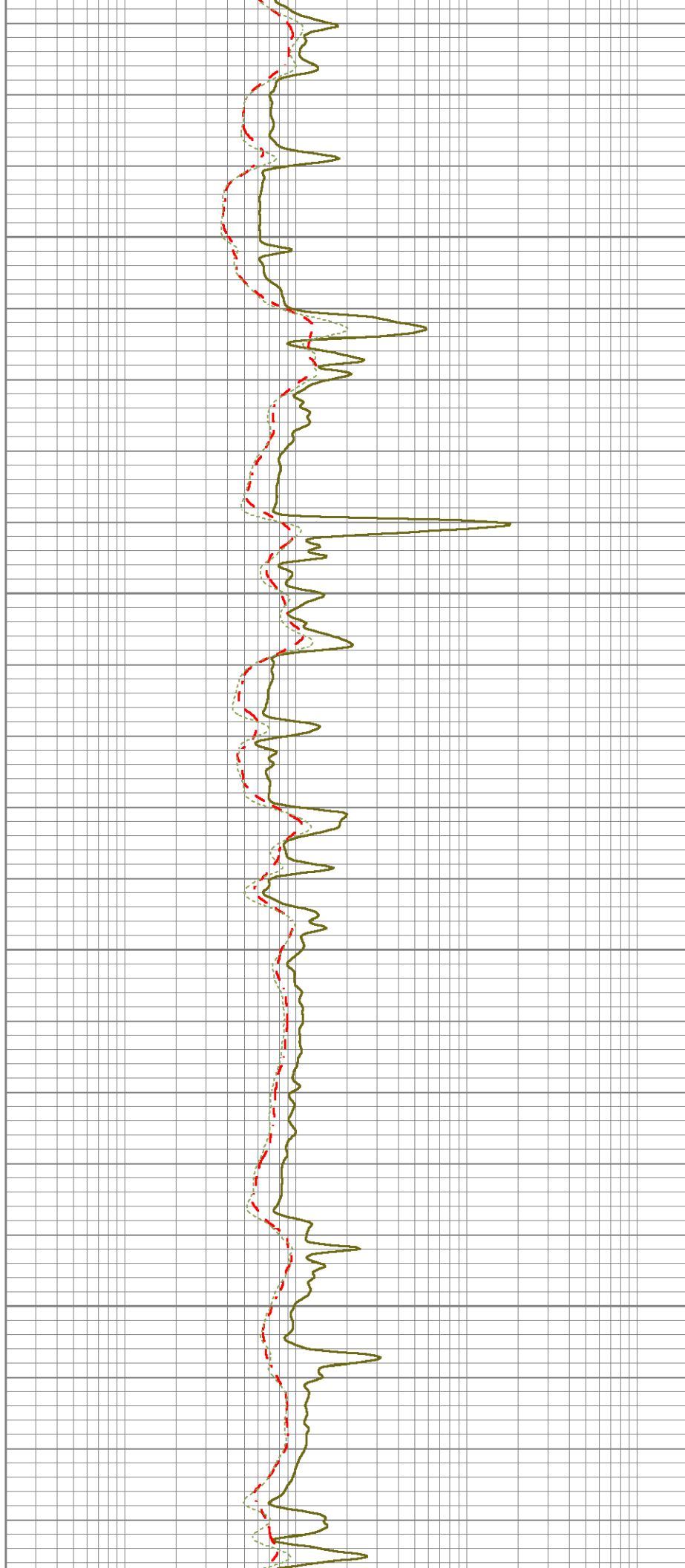


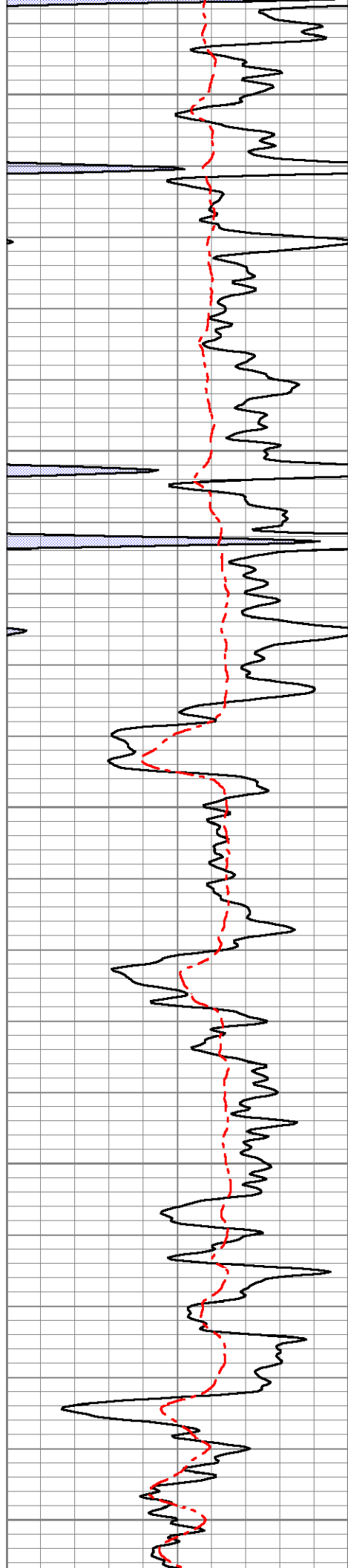
950

1000

1050

1100





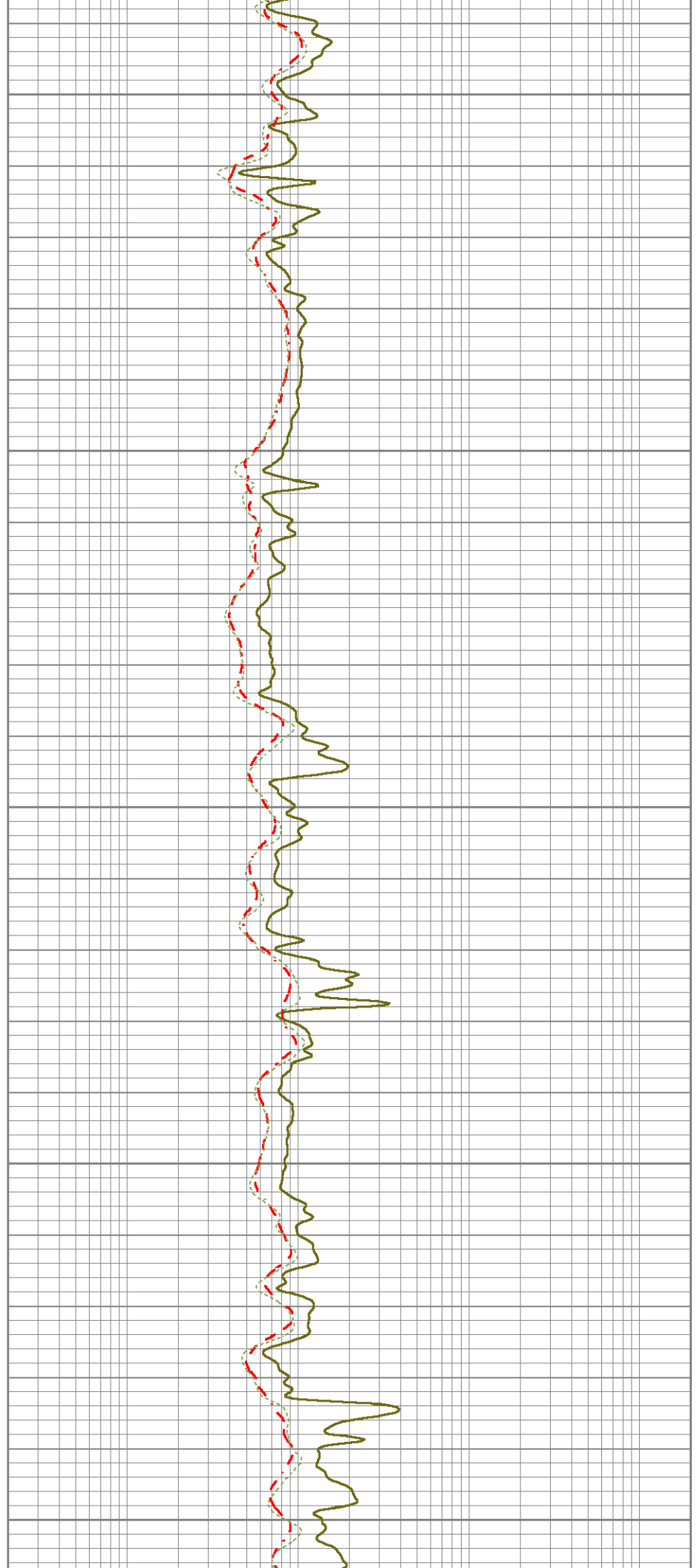
1150

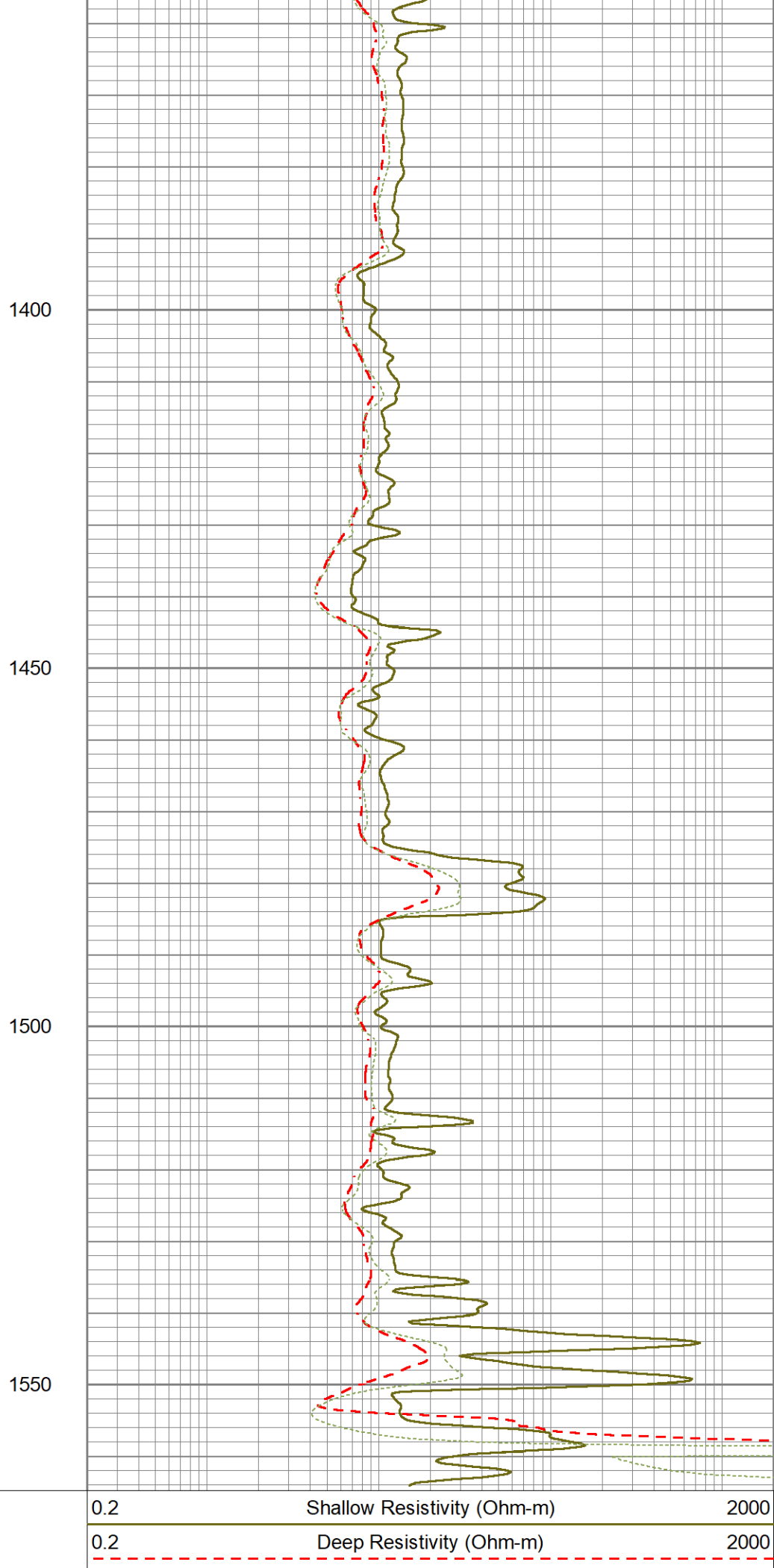
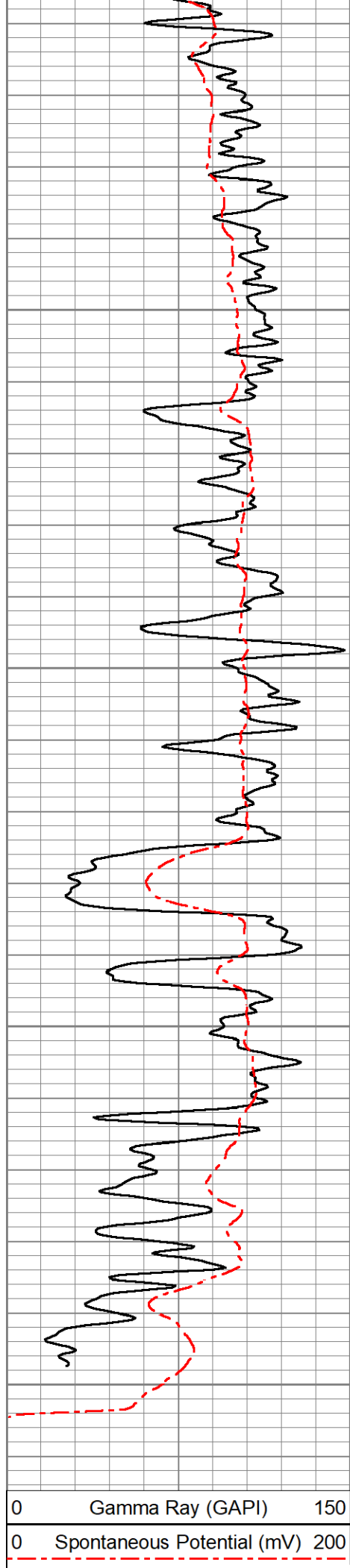
1200

1250

1300

1350





Calibration Report									
Database File	ow2-9200 kiowa gas.db								
Dataset Pathname	pass4.7								
Dataset Creation	Fri Aug 18 12:37:23 2023								
Dual Induction Calibration Report									
Serial-Model:					RedTool-G				
Surface Cal Performed:					Mon Apr 10 20:43:43 2023				
Downhole Cal Performed:					Tue Nov 17 10:50:14 2020				
After Survey Verification Performed:					Tue Nov 17 10:50:14 2020				
Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.007	0.642	V	5.000	380.000	mmho/m	590.672	0.912	
Medium	0.010	0.728	V	-9.000	495.000	mmho/m	701.229	-15.792	
Internal:	Zero	Cal		Zero	Cal		m	b	
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768	
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354	
Downhole Calibration									
Readings				References			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	-2.869	354.028	mmho/m	-0.044	350.323	mmho/m	0.982	2.773	
Medium	-3.741	414.629	mmho/m	-0.037	400.340	mmho/m	0.957	3.543	
LL3		9.500	V		2000.000	Ohm-m			
		0.000	V		15.000	Ohm-m			
		-9.500	V		4500.000	mmho-m			
After Survey Verification									
Readings				Targets			Results		
	Zero	Cal		Zero	Cal		m'	b'	
Deep	0.000	0.000	mmho/m	-2.869	354.028	mmho/m	1.000	0.000	
Medium	0.000	0.000	mmho/m	-3.741	414.629	mmho/m	1.000	0.000	
LL3		0.000	Ohm-m		2.000	Ohm-m			
		0.000	Ohm-m		500.000	Ohm-m			
		0.000	mmho-m		1.000	mmho-m			

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Cable-CableHead Isulation Sub	1.42	3.00	20.00

SP CILD	10.92 10.92		DIL-G (RedTool) Gearhart	21.33	4.00	290.00
CILM	7.00					
RLL3	1.65					
Dataset: ow2-9200 kiowa gas.db: field/well/run1/pass4.7 Total length: 22.75 ft Total weight: 310.00 lb O.D.: 4.00 in						