



DUAL INDUCTION GR/LL3 LOG

Company	REDBUD OIL & GAS OPERATING, LLC					
Well	TWIN VALLEY ENTERPRISES # 3					
Field	CHEROKEE BASIN COAL					
County	MONTGOMERY	State	KANSAS			
Location:	SEC 24 TWP 31S RGE 14E		Other Services CDLN	Elevation K.B. D.F. G.L. 923		
	SE NW SW NW 1899' FNL & 547' FWL					
	Permanent Datum	GL			Elevation	923
	Log Measured From	GL				
Drilling Measured From	GL					
Date	10-18-2023					
Run Number	ONE					
Depth Driller	1290					
Depth Logger	1289					
Bottom Logged Interval	1287					
Top Log Interval	20					
Casing Driller	8.625" @ 20					
Casing Logger	8.625" @ 20					
Bit Size	6.00"					
Type Fluid in Hole	MUD					
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	OW1					
Location	HOMINY, OK					
Recorded By	SHELDON TYLER					
Witnessed By	MR. TAYLOR					

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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

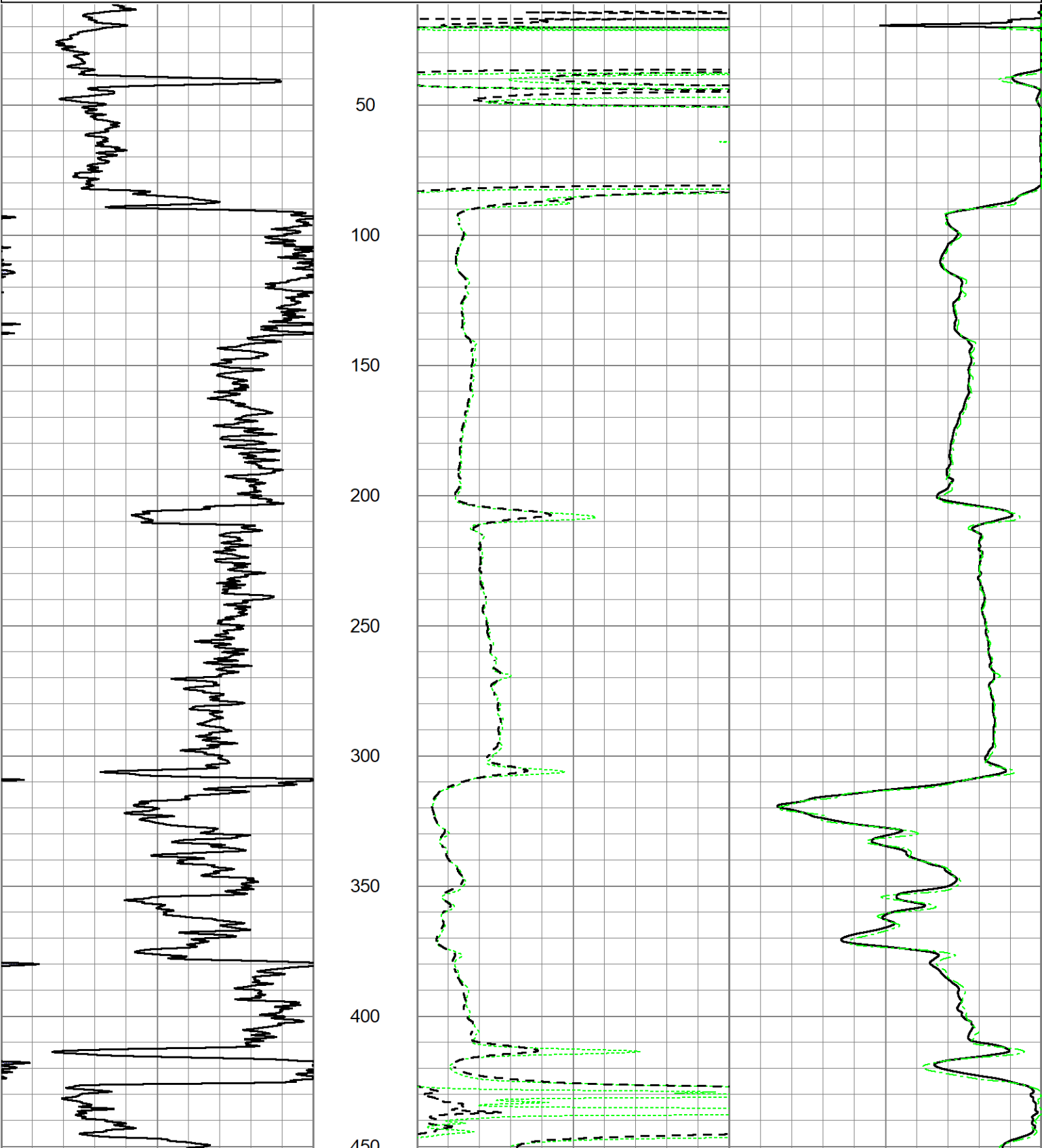
FILE # OW1-9252 REDBUD
JAKE
THANK YOU FOR USING OSAGE WIRELINE

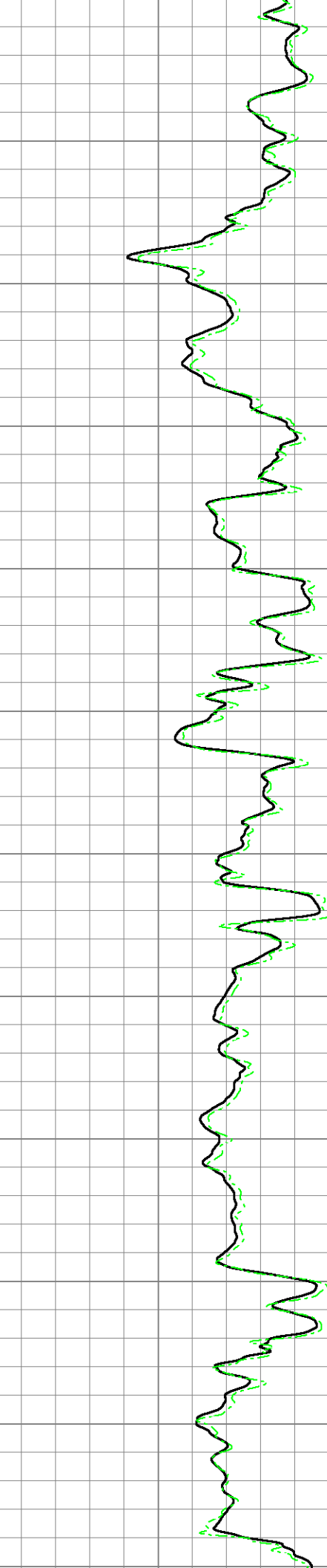
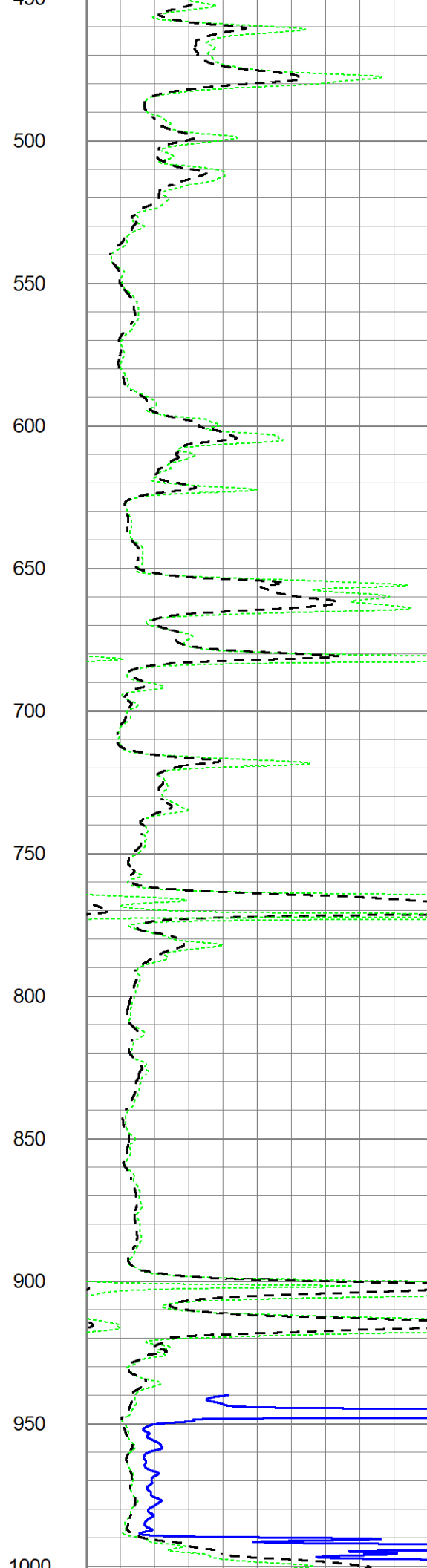
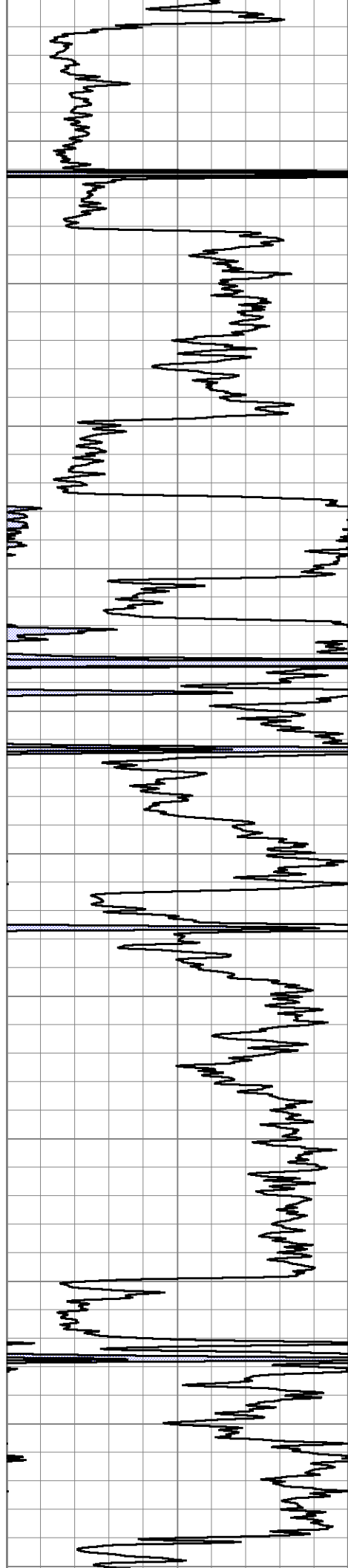


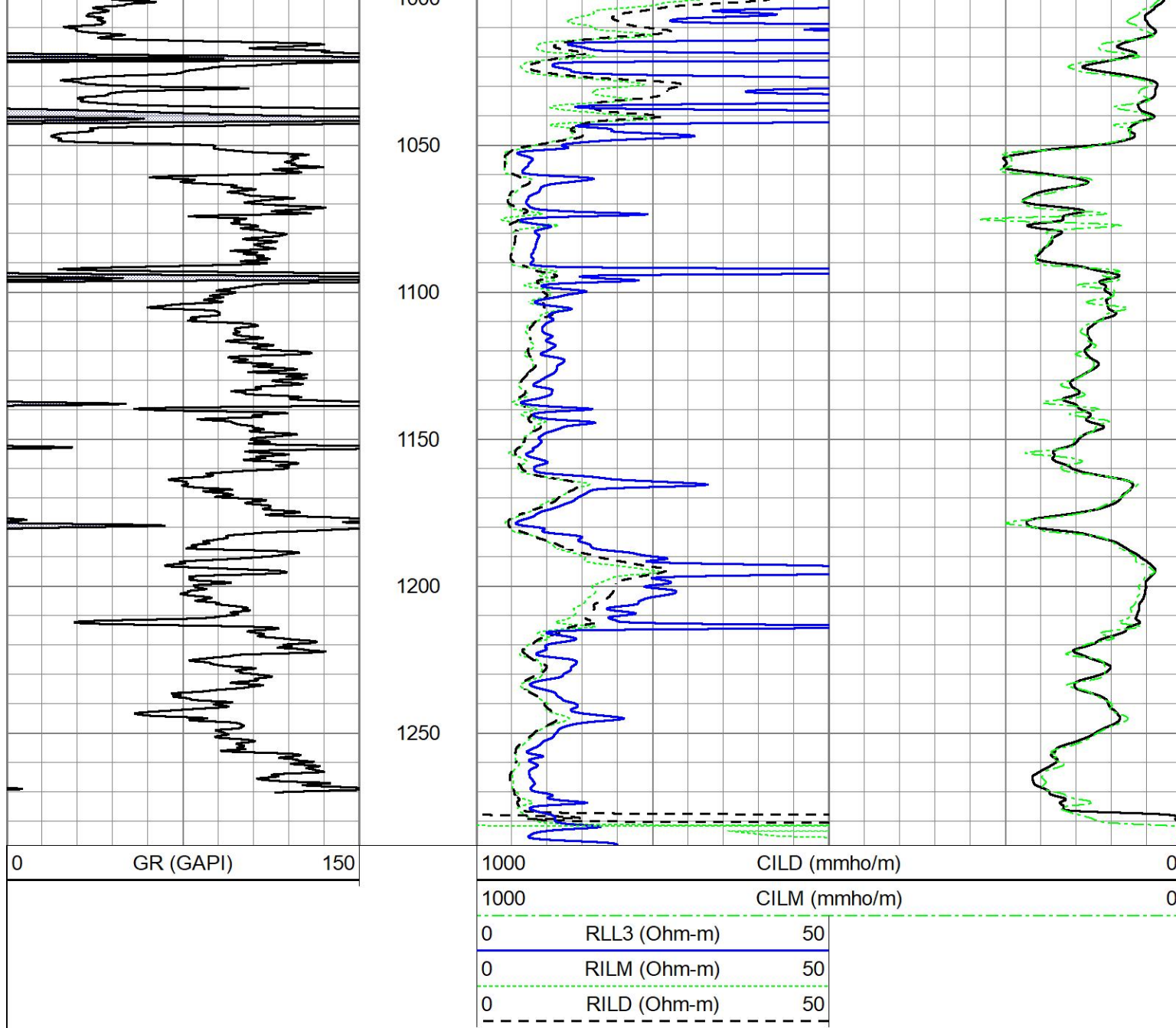
2" DUAL INDUCTION LOG

Database File	ow1-9252 redbud .db
Dataset Pathname	pass3.3
Presentation Format	st_dil_2inch
Dataset Creation	Wed Oct 18 14:08:35 2023
Charted by	Depth in Feet scaled 1:600

0	GR (GAPI)	150	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			



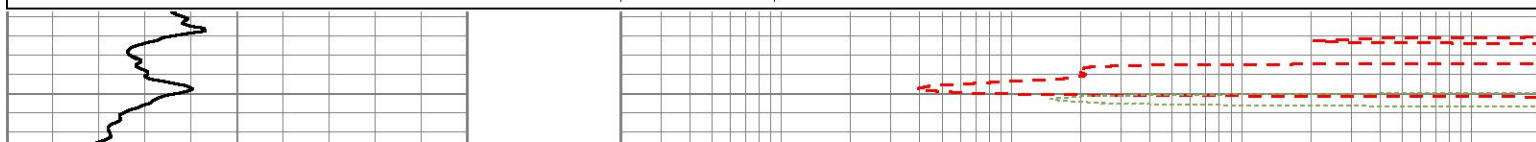


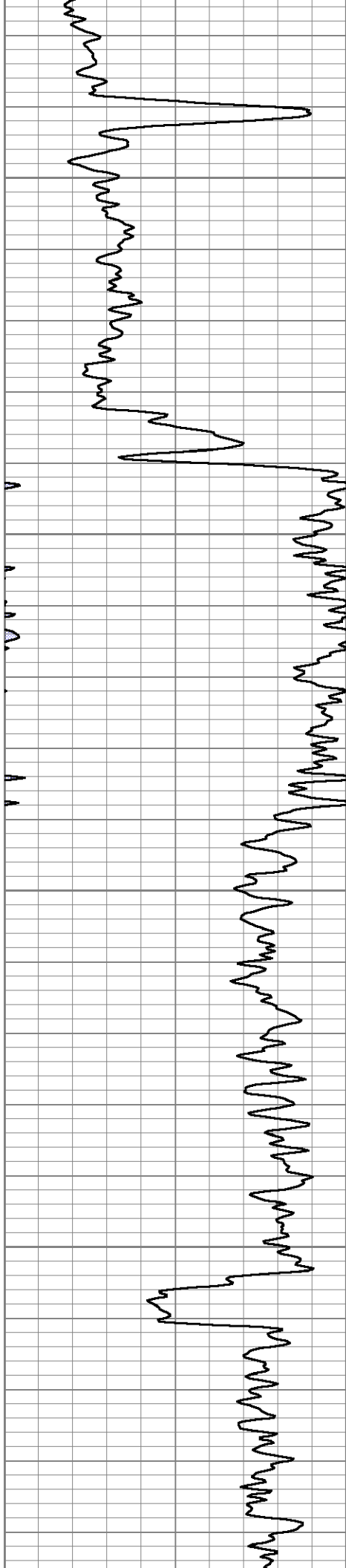


5" DUAL INDUCTION LOG

Database File ow1-9252 redbud .db
Dataset Pathname pass3.4
Presentation Format st-dil_5
Dataset Creation Wed Oct 18 14:08:40 2023
Charted by Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150	DEVI	0.2	Shallow Resistivity (Ohm-m)	2000
			0 (deg) 10	0.2	Deep Resistivity (Ohm-m)	2000
				0.2	Medium Resistivity (Ohm-m)	2000
			DEVI (deg)			



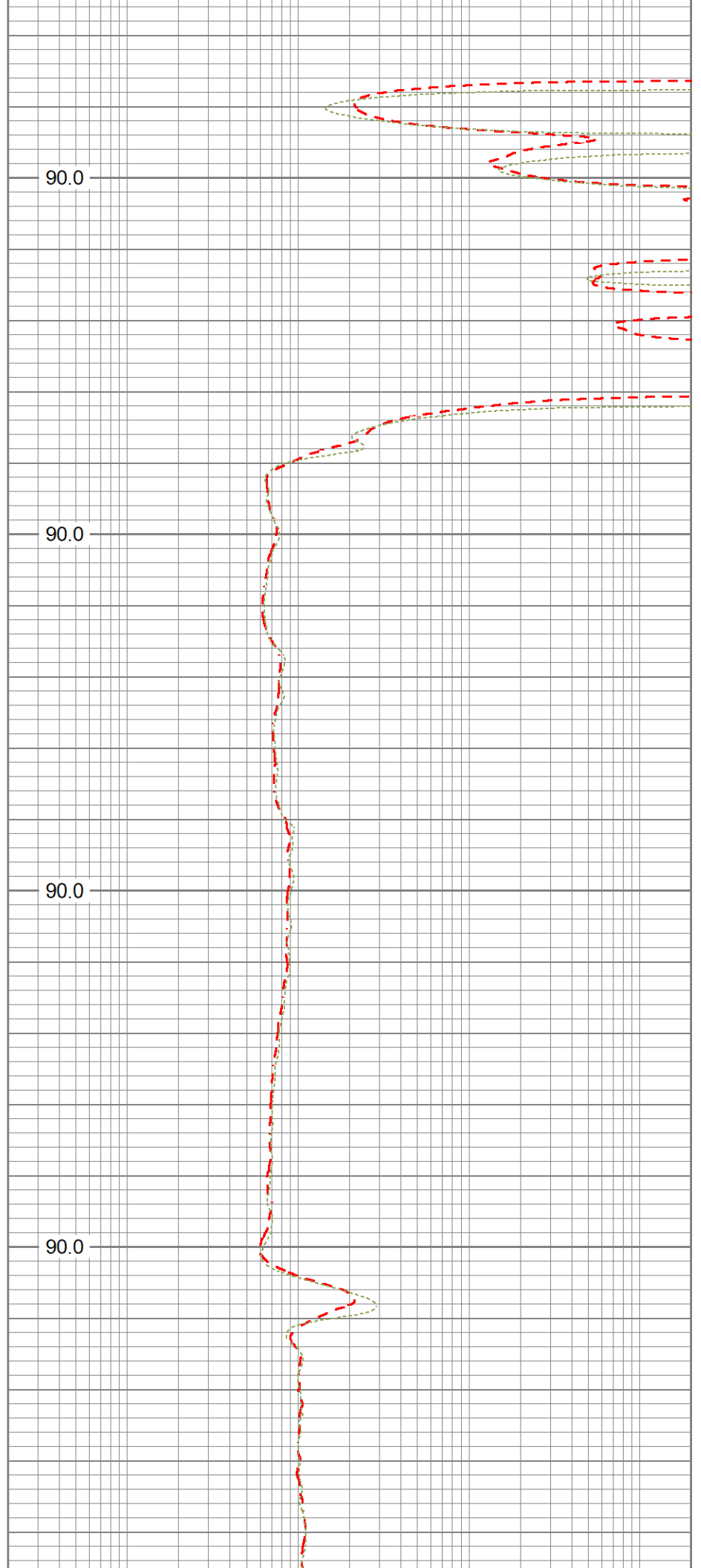


50

100

150

200

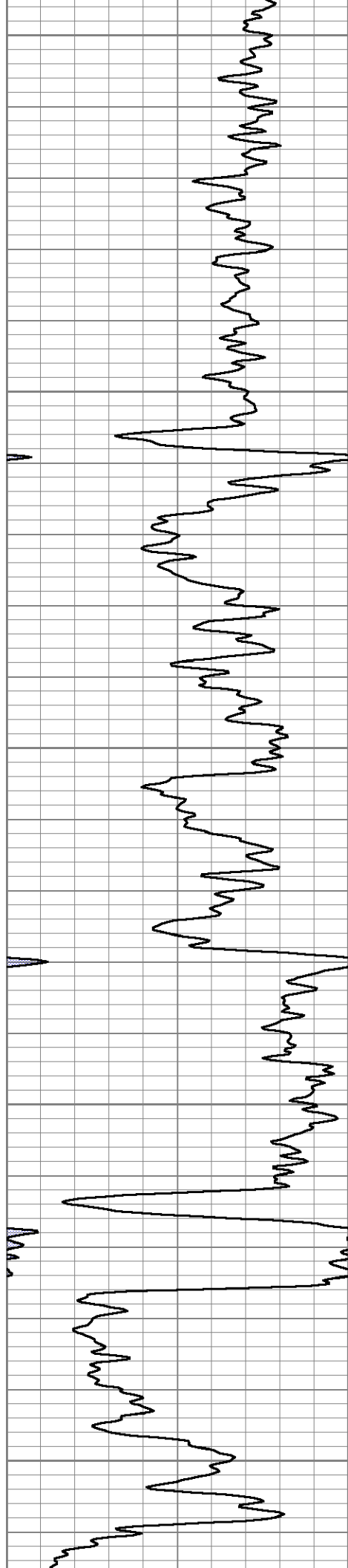


90.0

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90.0



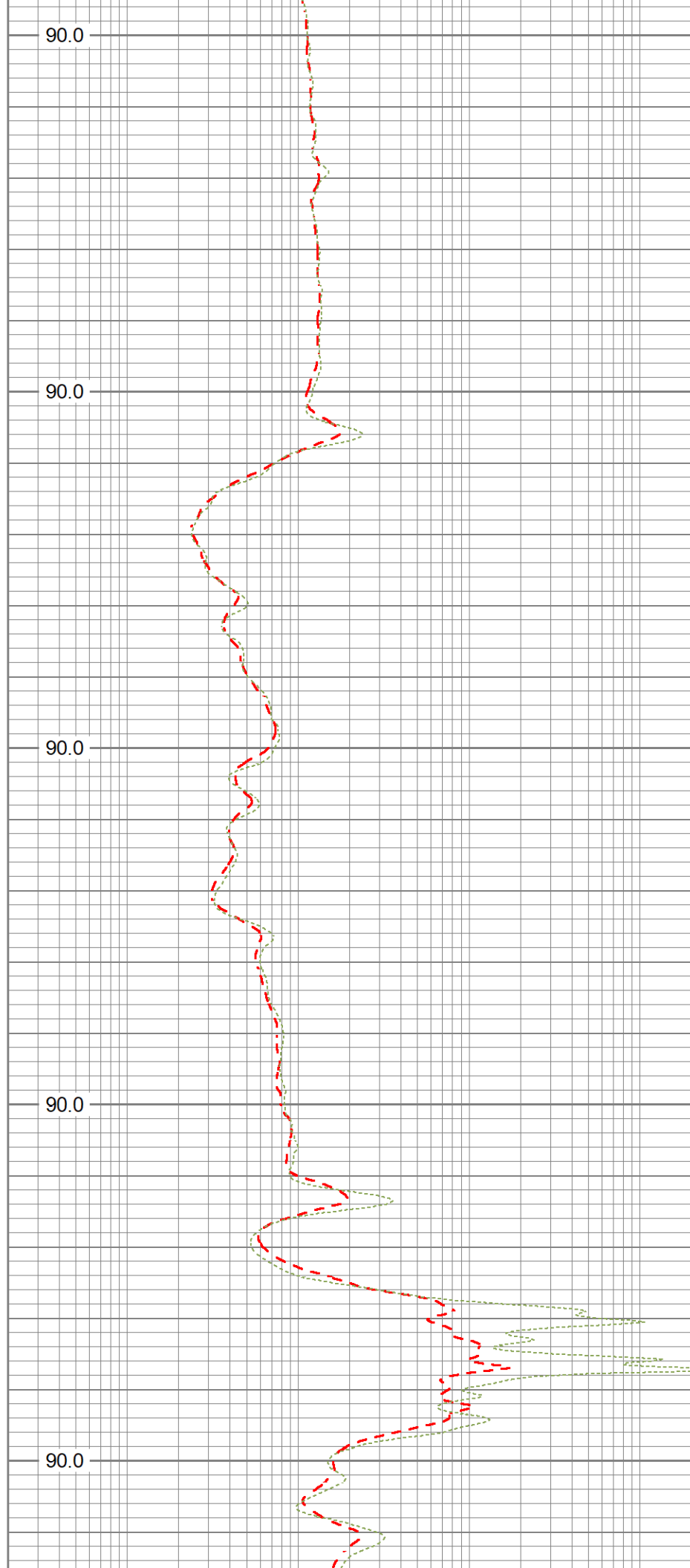
250

300

350

400

450



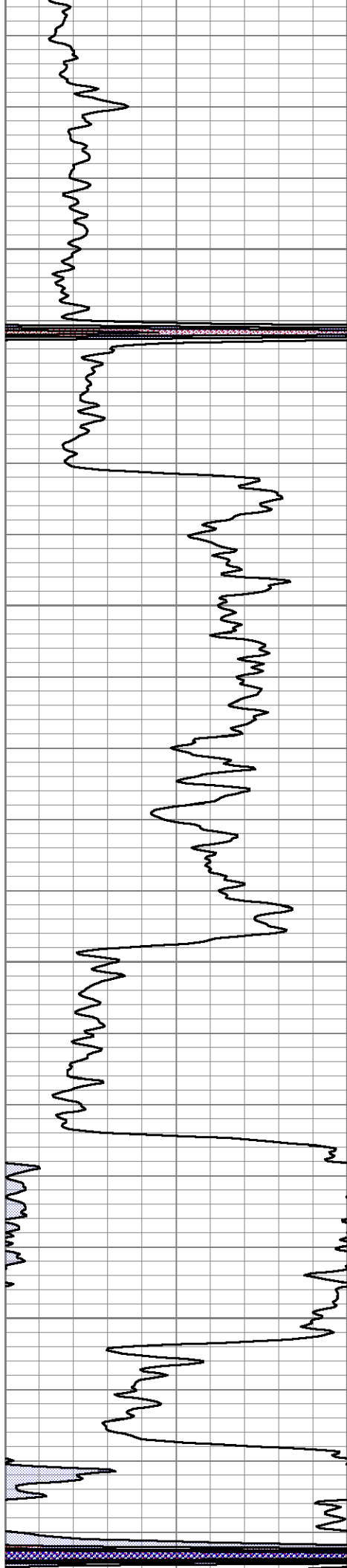
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500

550

600

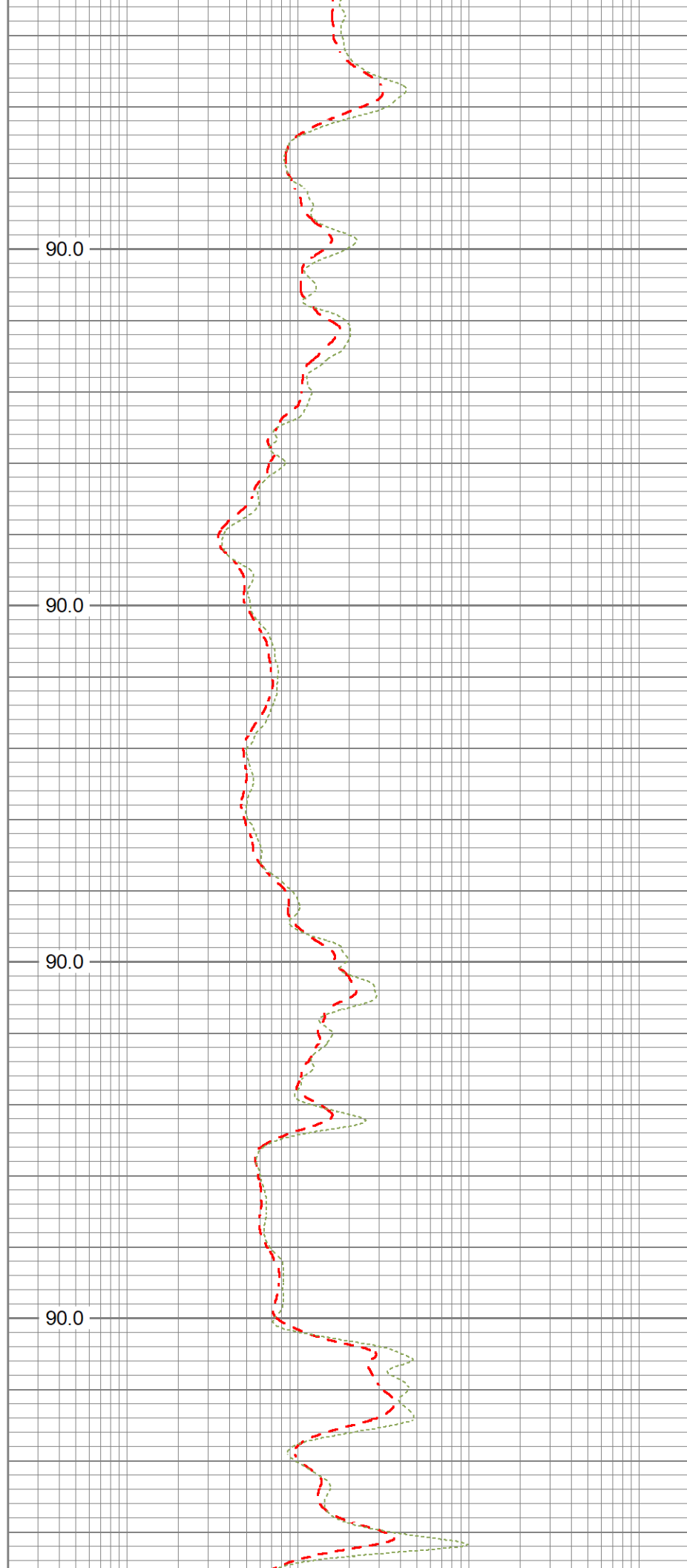
650

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90.0





700

750

800

850

900

90.0

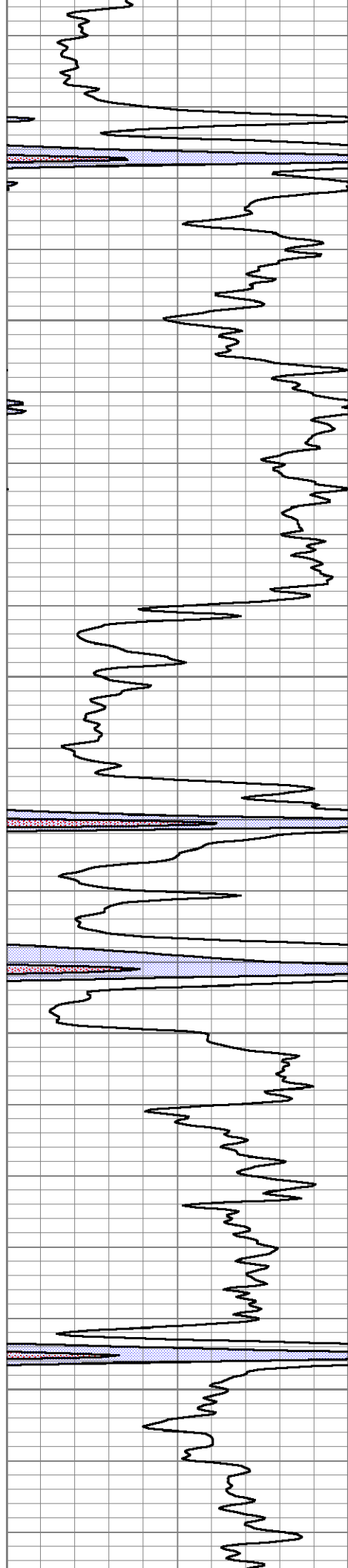
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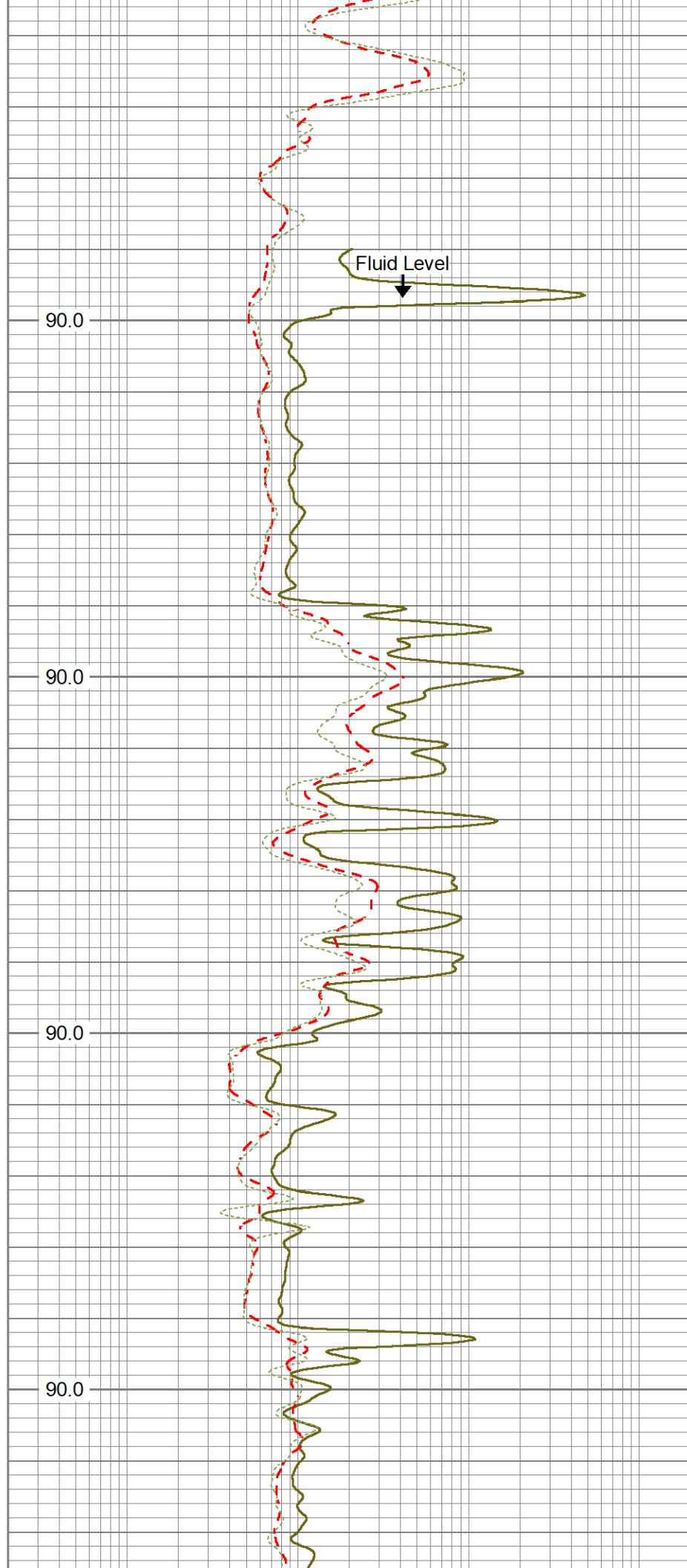


950

1000

1050

1100



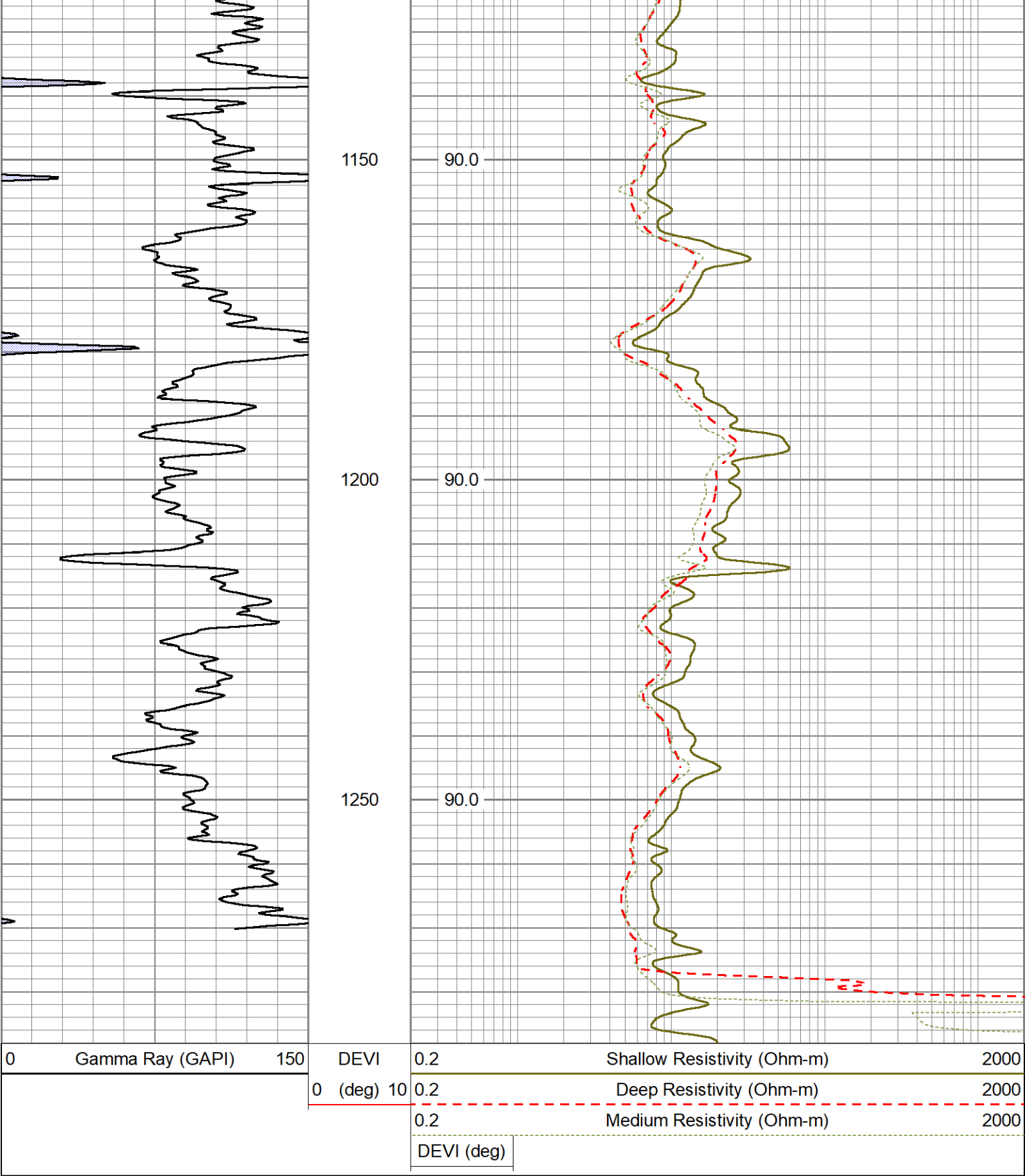
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Fluid Level



Database File		ow1-9252 redbud .db
Dataset Pathname		pass3.4
Dataset Creation		Wed Oct 18 14:08:40 2023
Dual Induction Calibration Report		

Serial-Model:		080123_(GRAY TOOL)-G
Surface Cal Performed:		Thu Oct 12 10:29:04 2023

Surface Calibration									
Readings				References			Results		
Loop:	Air	Loop		Air	Loop		m	b	
Deep	0.007	0.642	V	-2.000	380.000	mmho/m	601.698	-6.165	
Medium	0.010	0.728	V	-18.000	450.000	mmho/m	651.142	-24.307	
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		2500.000	Ohm-m			
		0.000	V		20.000	Ohm-m			
		-9.500	V		5000.000	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 (080123_(GRAY TOOL)) Gearhart	21.33	4.00	290.00
CILM	7.00					

RLL3	1.65				
Dataset: ow1-9252 redbud .db: field/well/run1/pass3.4 Total length: 22.75 ft Total weight: 310.00 lb O.D.: 4.00 in					