DUAL INDUCTION LOG

Company REDBUD OIL & GAS OPERATING LLC
Well TWIN VALLEY ENTERPRISES #A4-24
Field TWIN VALLEY
County MONTGOMERY State KANSAS

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Field TWIN VALLEY
County MONTGOMERY
State KANSAS

Location: API # : 15-125-325567-00-00

SE SE NW NW
1300' FNL & 1045' FWL
SEC 24 TWP 31S RGE 14E

Other Services
CDLN

Elevation
K.B.
D.F.
G.L. 927

Permanent Datum	GL	Elevation	927
Log Measured From	GL		
Drilling Measured From	GL		

Date	9-12-2024		
Run Number	ONE		
Depth Driller	1320		
Depth Logger	1318		
Bottom Logged Interval	1316		
Top Log Interval	20		
Casing Driller	8.625" @ 21		
Casing Logger	8.625" @ 21		
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	STEPHEN WEEKS		
Witnessed By	MIKE 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

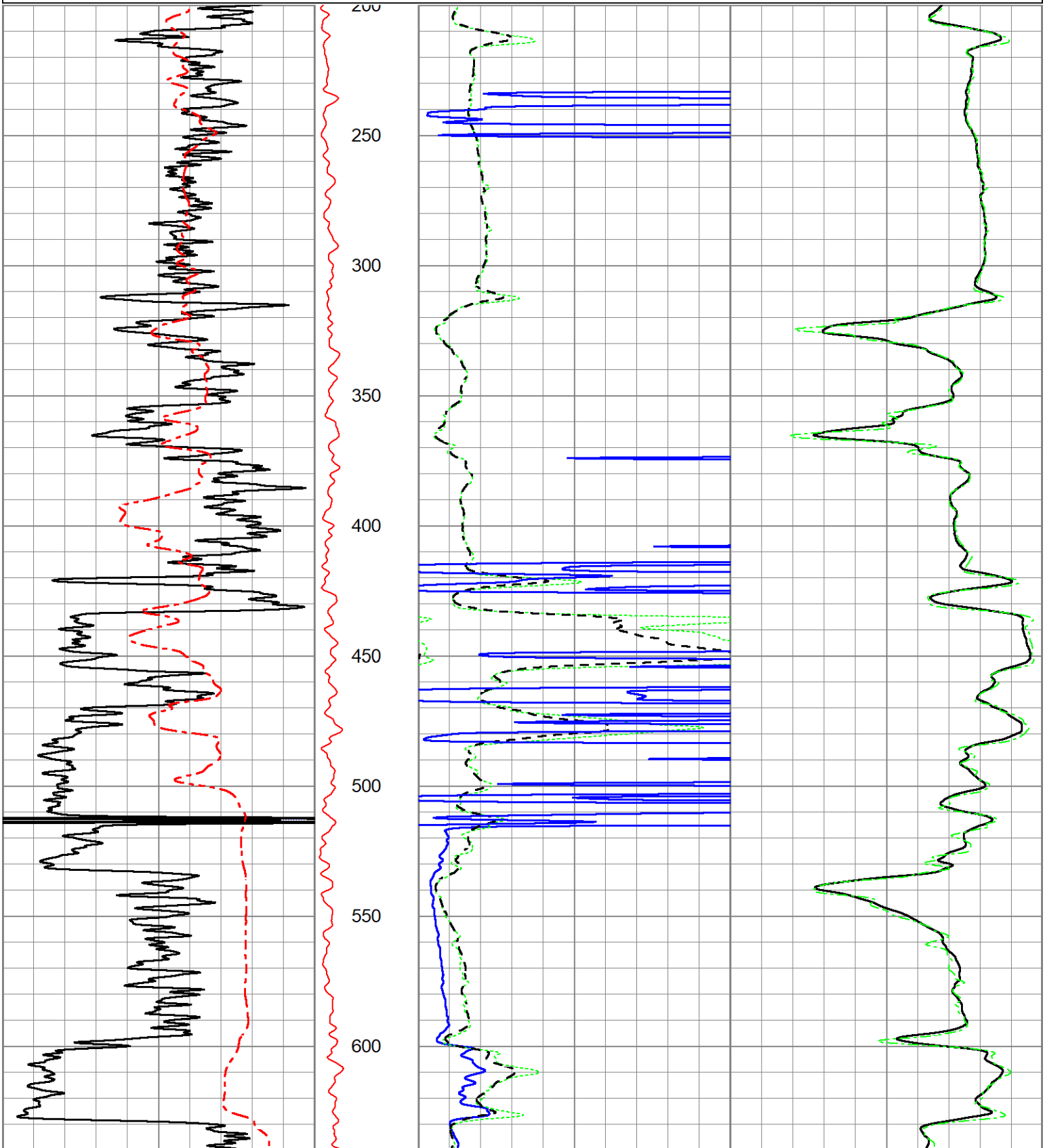
FILE # OW2-9368 REDBUD TWIN VALLEY ENTERPRISES A4-24
BRAD, CHARLES, JACK

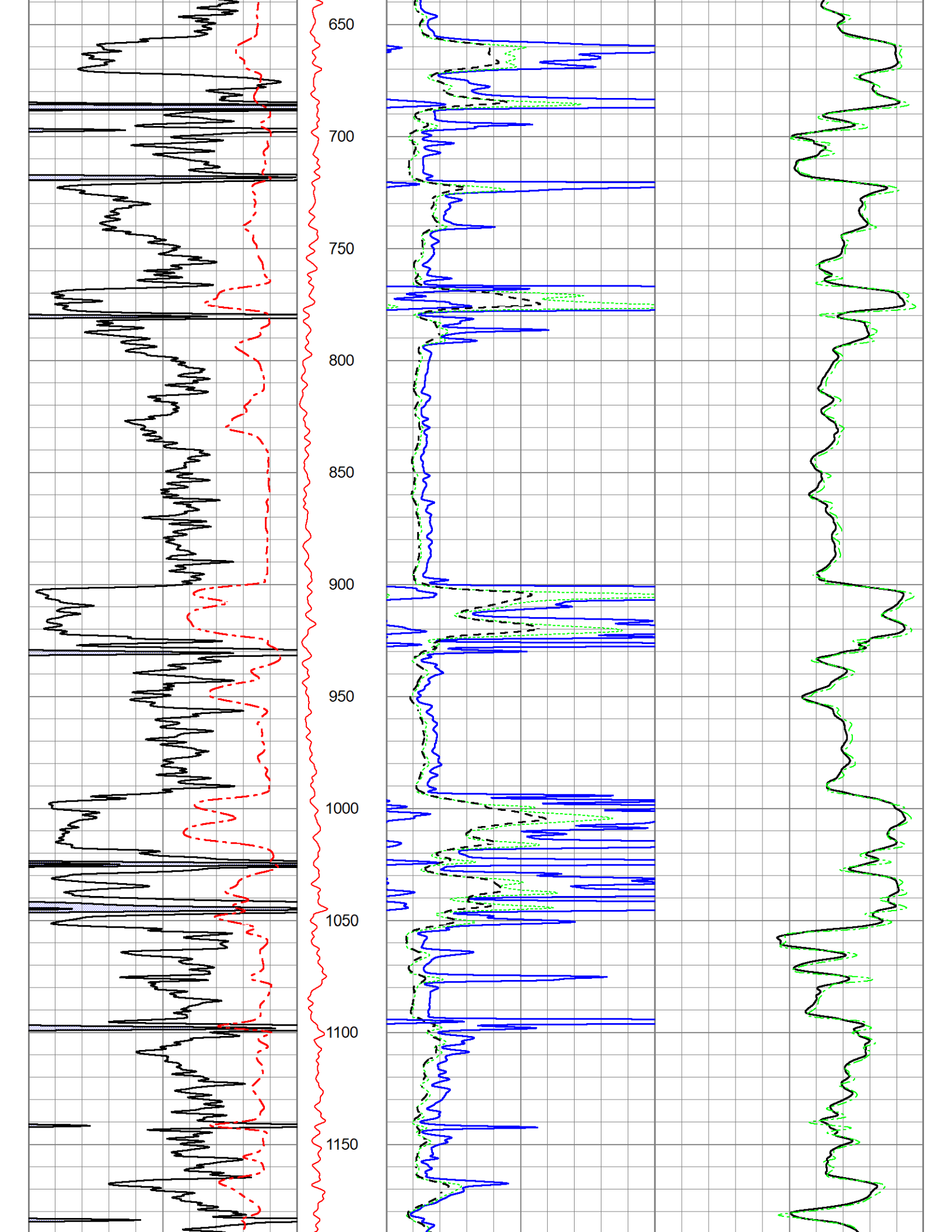
THANK YOU FOR USING OSAGE WIRELINE

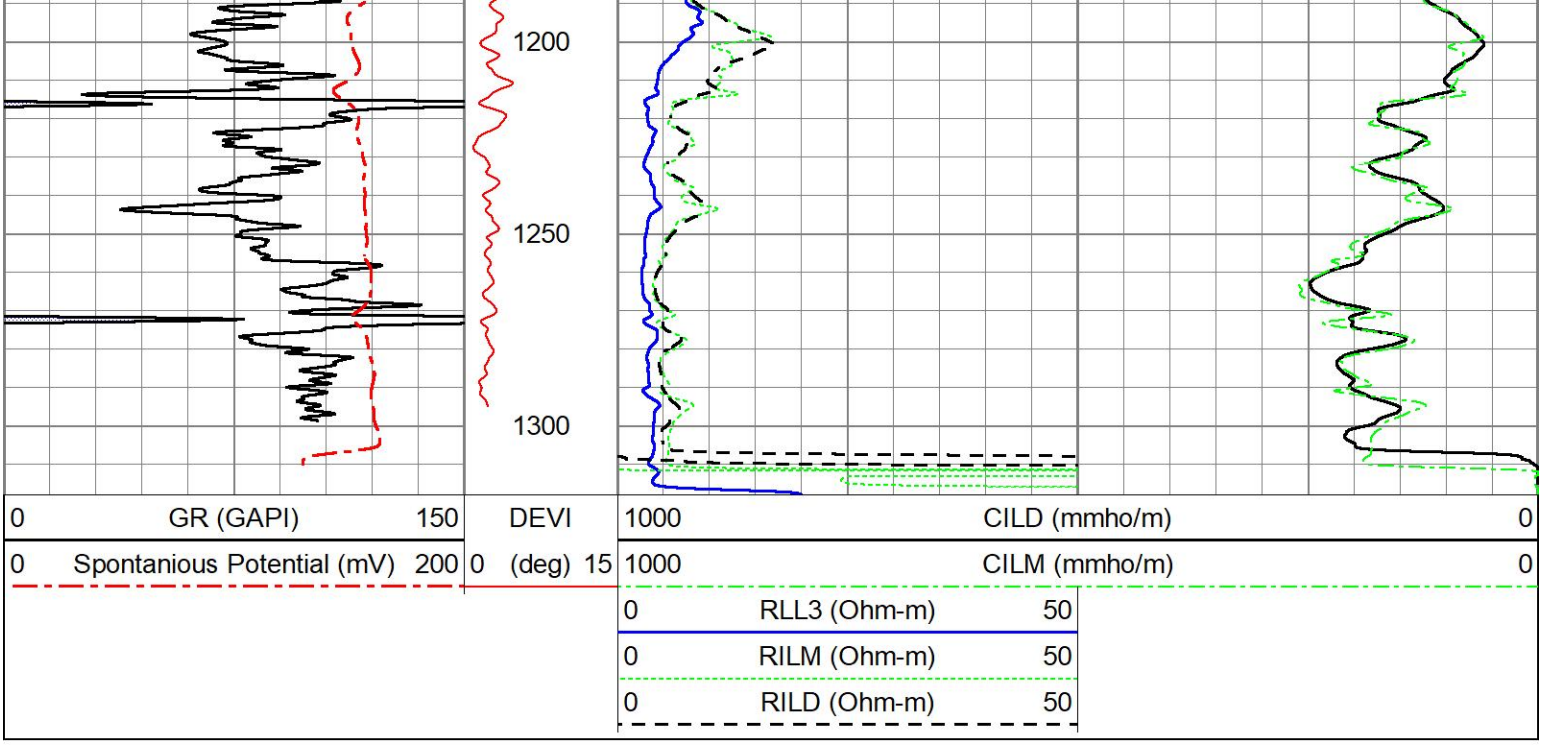
2" DUAL INDUCTION LOG

Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	DIL/pass2.2
Presentation Format	steven dil_2inch_6-16
Dataset Creation	Thu Sep 12 14:03:37 2024
Charted by	Depth in Feet scaled 1:600

0	GR (GAPI)	150	DEVI	1000	CILD (mmho/m)		0
0	Spontanious Potential (mV)	200	0 (deg) 15	1000	CILM (mmho/m)		0
				0	RLL3 (Ohm-m)		50
				0	RILM (Ohm-m)		50
				0	RILD (Ohm-m)		50

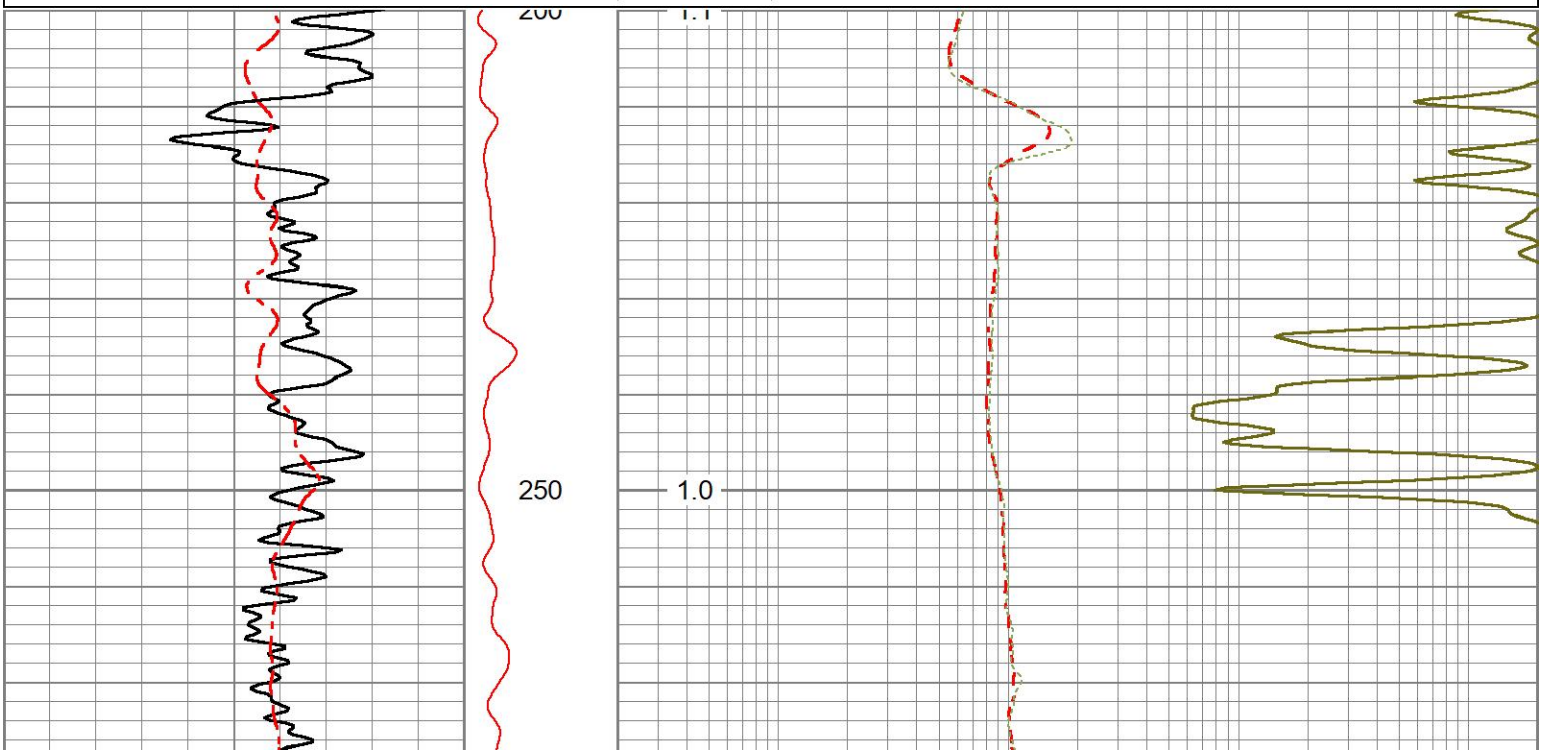


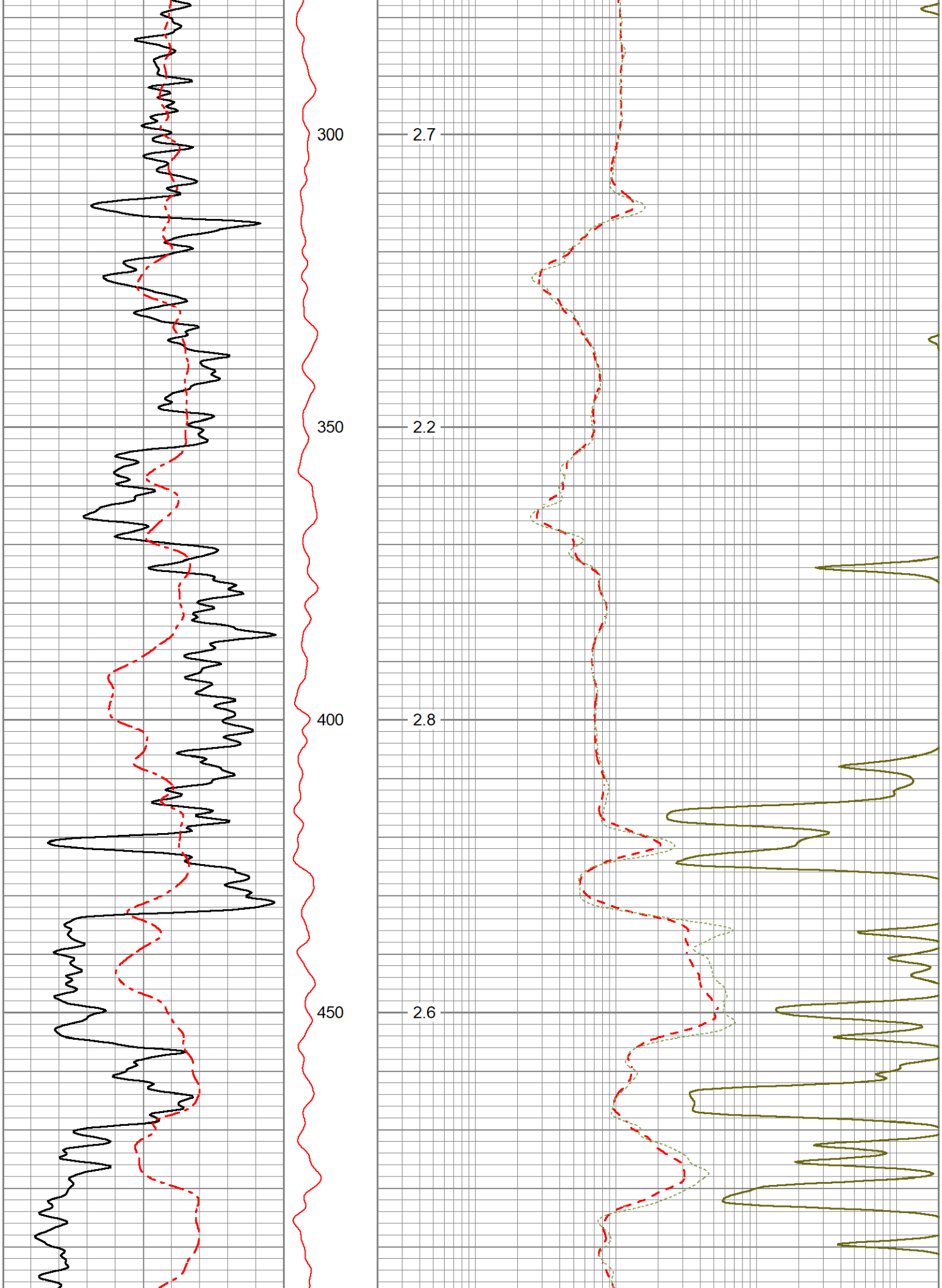

650
700
750
800
850
900
950
1000
1050
1100
1150

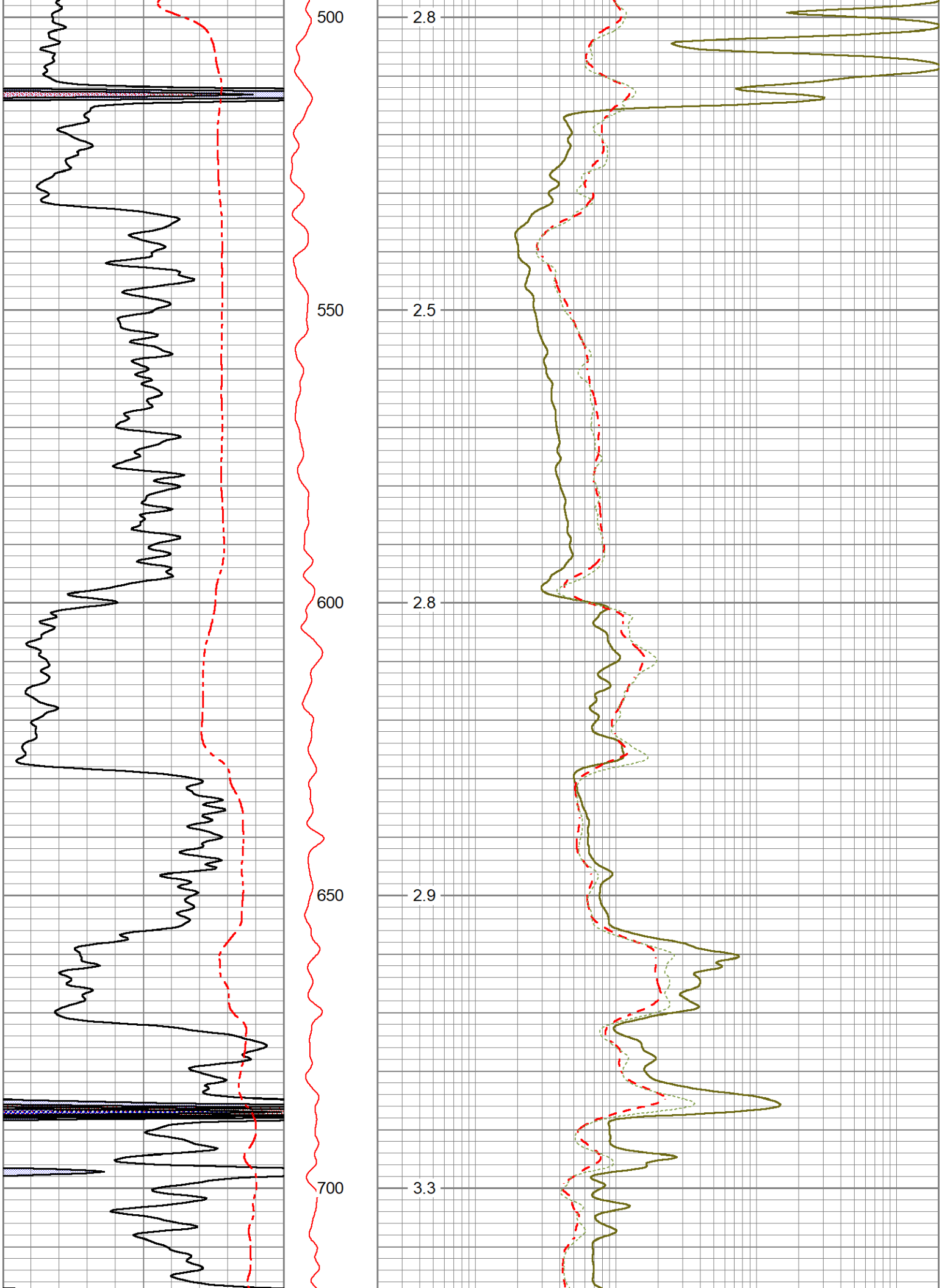


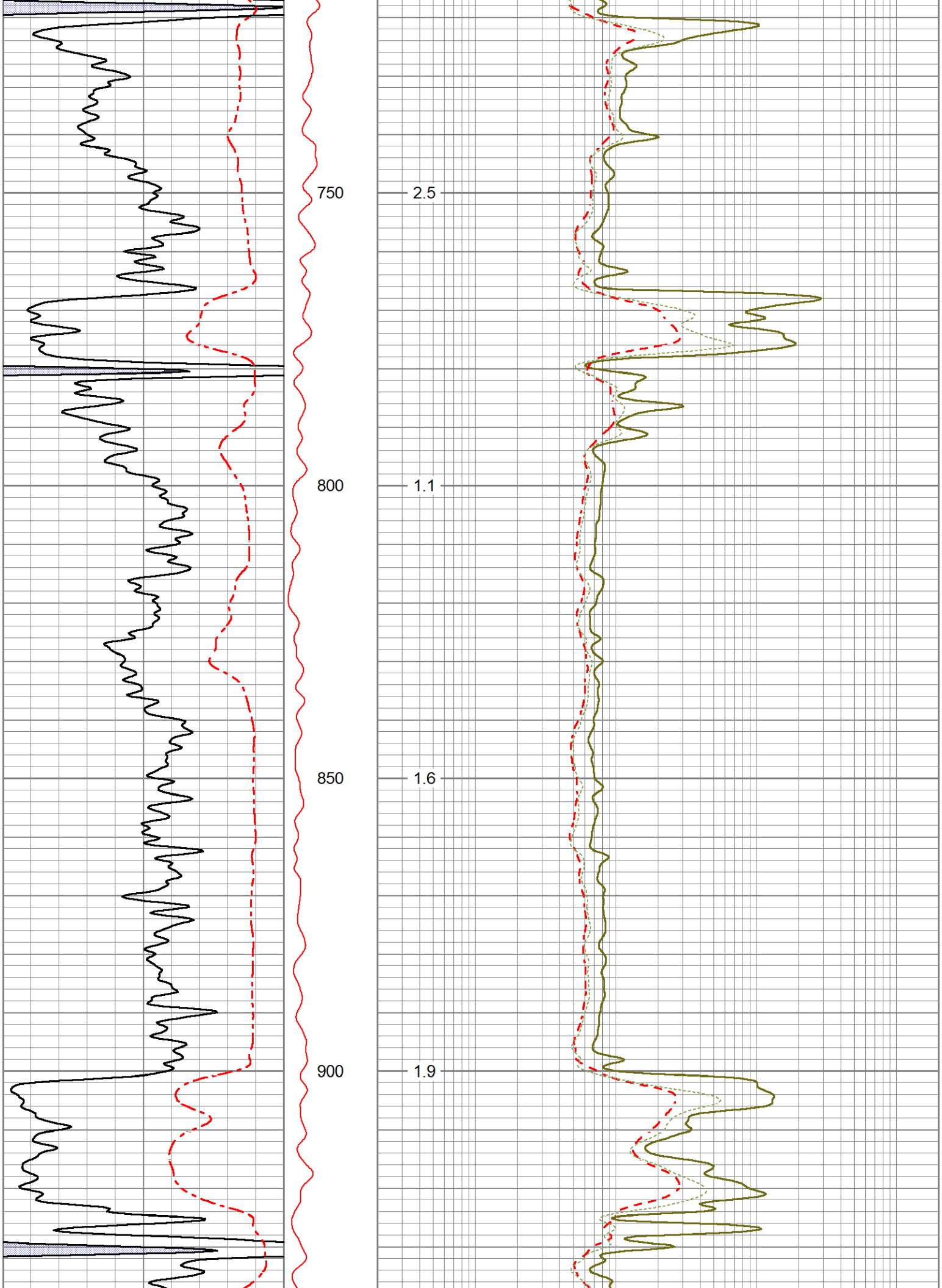
5" DUAL INDUCTION LOG

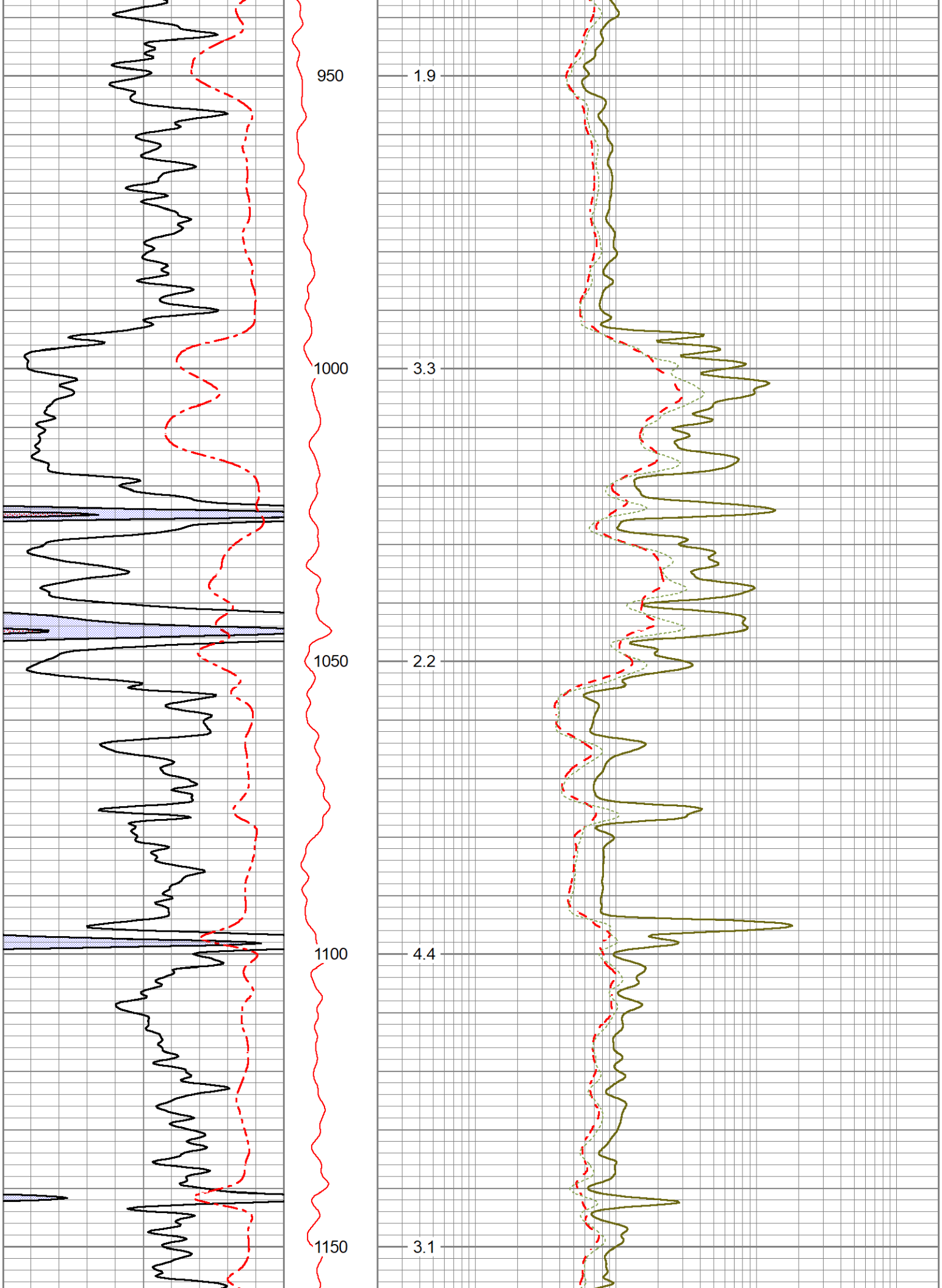
Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	DIL/pass2.1
Presentation Format	st-dil_5
Dataset Creation	Thu Sep 12 14:03:27 2024
Charted by	Depth in Feet scaled 1:240

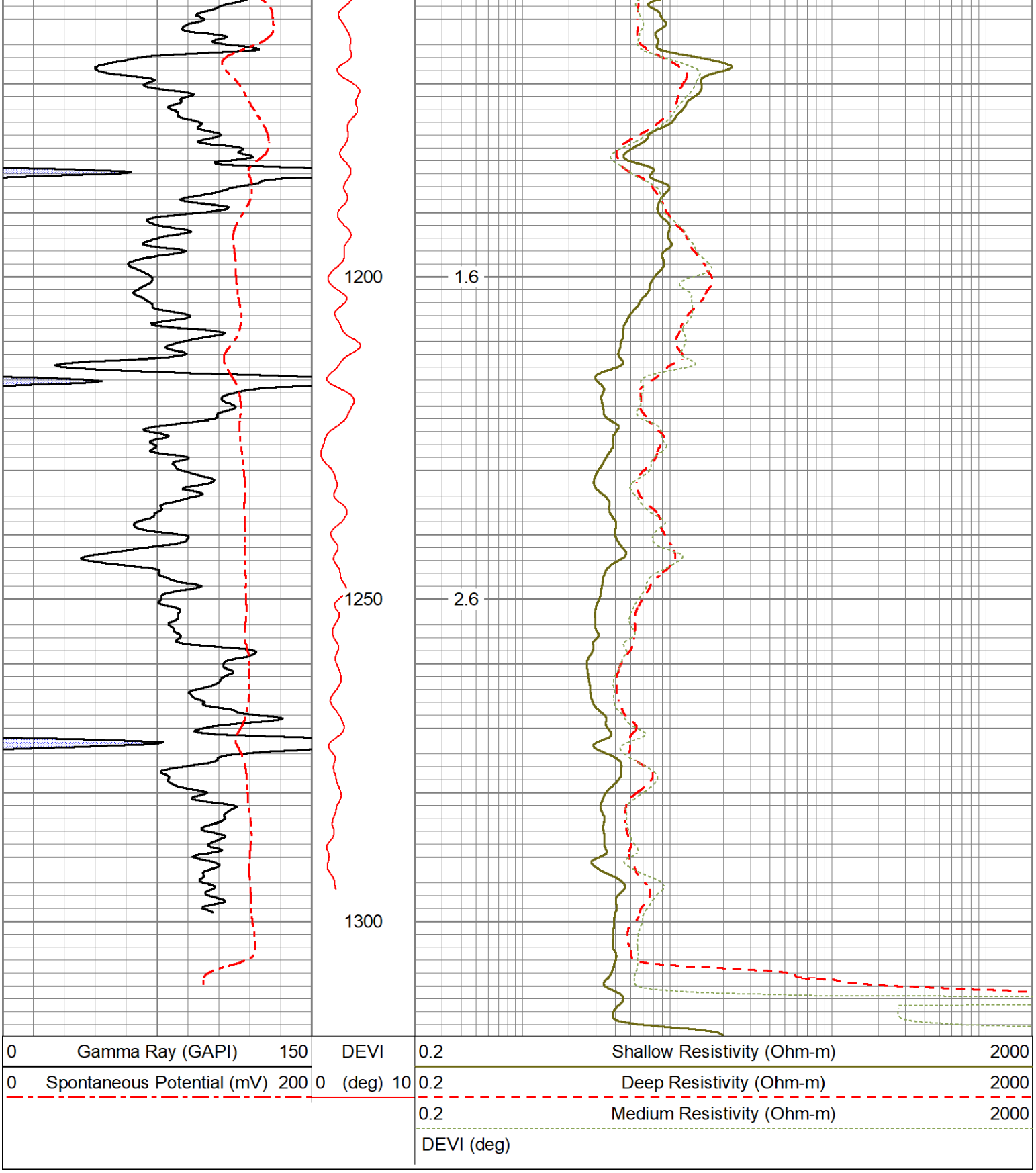



300
350
400
450
2.7
2.2
2.8
2.6


500
550
600
650
700
2.8
2.5
2.8
2.9
3.3


750
800
850
900
2.5
1.1
1.6
1.9


950
1000
1050
1100
1150
1.9
3.3
2.2
4.4
3.1



Calibration Report

Database File	ow2-9368 redbud twin valley a4-24.db
Dataset Pathname	DIL/pass2.2
Dataset Creation	Thu Sep 12 14:03:37 2024

Dual Induction Calibration Report

Serial-Model:	080123_(GRAY TOOL)-G
Surface Cal Performed:	Wed Nov 15 22:07:21 2023
Downhole Cal Performed:	Tue Nov 17 10:50:14 2020

After Survey Verification Performed: Tue Nov 17 10:50:14 2020

Surface Calibration

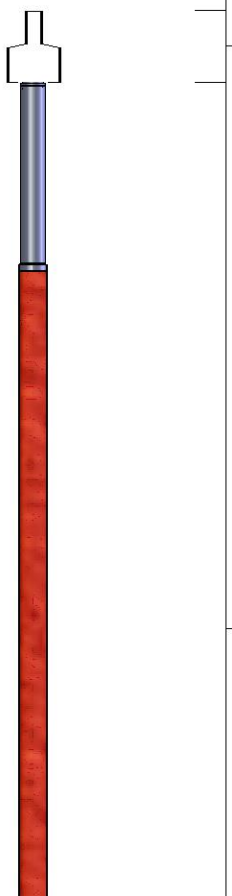
Loop:	Readings Air	Readings Loop		References Air	References Loop		Results m	Results b
Deep	0.007	0.642	V	8.000	380.000	mmho/m	585.947	3.944
Medium	0.010	0.728	V	-11.000	460.000	mmho/m	655.316	-17.348
Internal:	**Zero**	**Cal**		**Zero**	**Cal**		**m**	**b**
Deep	0.007	0.642	V	0.000	350.000	mmho/m	550.717	-3.768
Medium	0.010	0.729	V	0.000	550.000	mmho/m	764.510	-7.354

Downhole Calibration

	Readings Zero	Readings Cal		References Zero	References Cal		Results m'	Results 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 Zero	Readings Cal		Targets Zero	Targets Cal		Results m'	Results 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	10.92		DIL-G (080123_(GRAY TOOL)) Gearhart	21.33	4.00	290.00
CILD	10.92					
CILM	7.00					

RLL3	1.65					

Dataset:	ow2-9368 redbud twin valley a4-24.db: field/well/DIL/pass2.2
Total length:	22.75 ft
Total weight:	310.00 lb
O.D.:	4.00 in