Schlumberger

Uncalibrated Rock Mechanical Properties

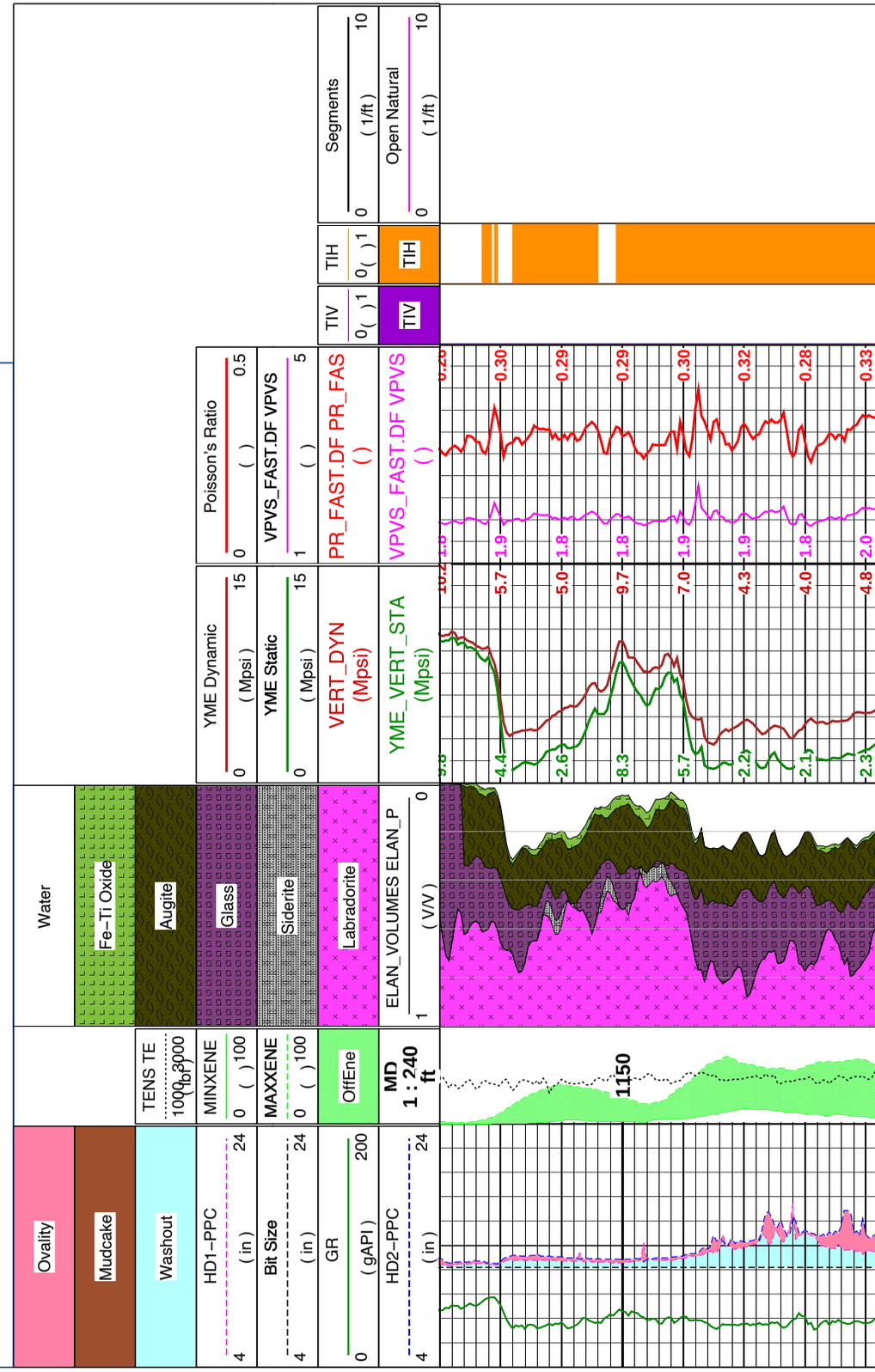
COMPANY:	Battelle Pacific Northwest Lab
WELL:	Wallula Basalt Pilot #1
FIELD:	Wildcat
State:	Washington
COUNTRY:	U.S.A.

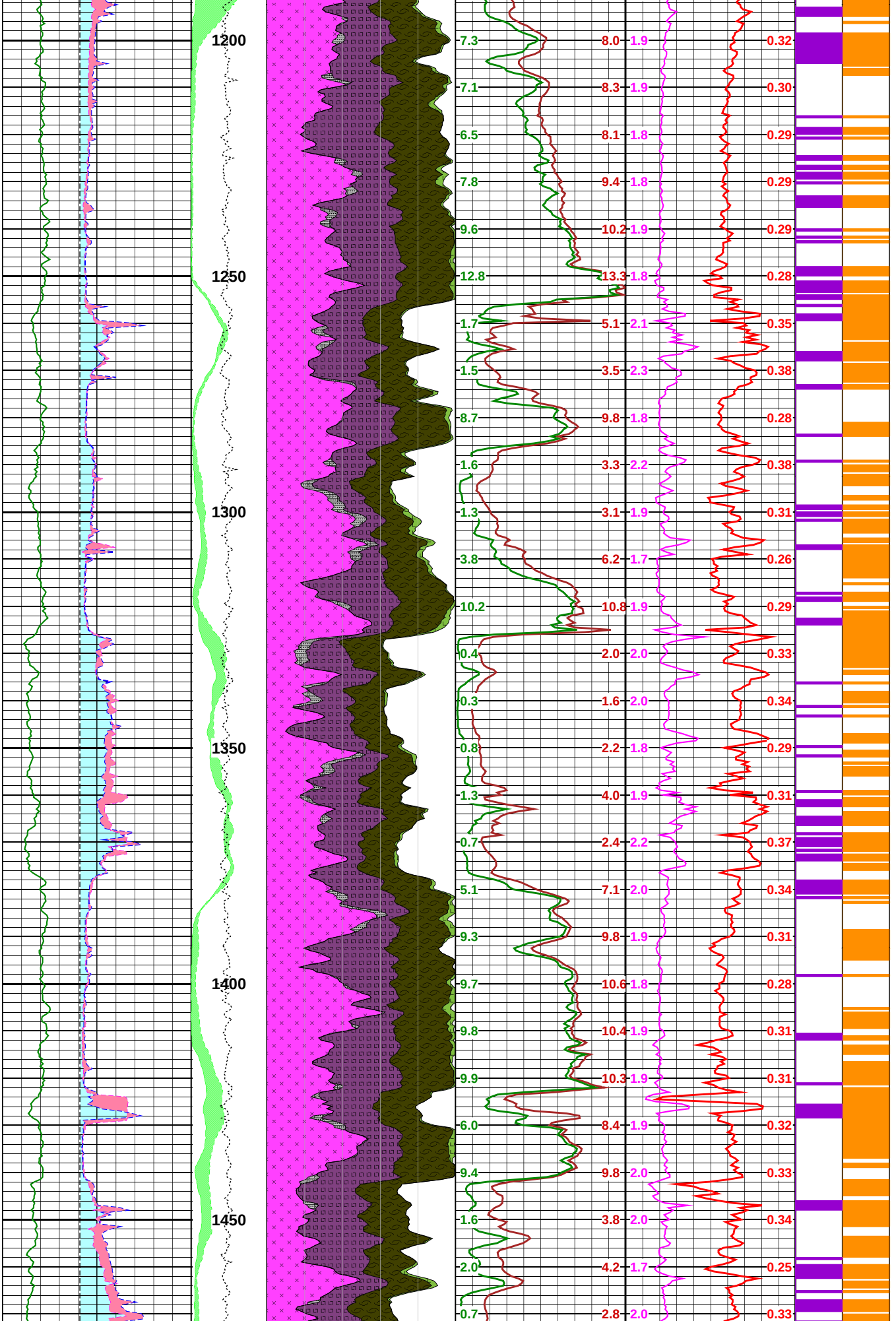
Date Processed:	08–Jun–2009	Date Logged:	
Job Number:		Processed at:	Denver
Well Location:	SOUTHWEST 1/4 OF SECTION 10		
Latitude:	46.1049	Longitude:	–118.916
Elevations:	KB: 369.68 ft	DF: 368.68 ft	GL: 363.18 ft

FOLD HERE

The well name, location and borehole reference data were furnished by the customer.

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 interpretations made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

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12.8 13.3 1.8 0.28
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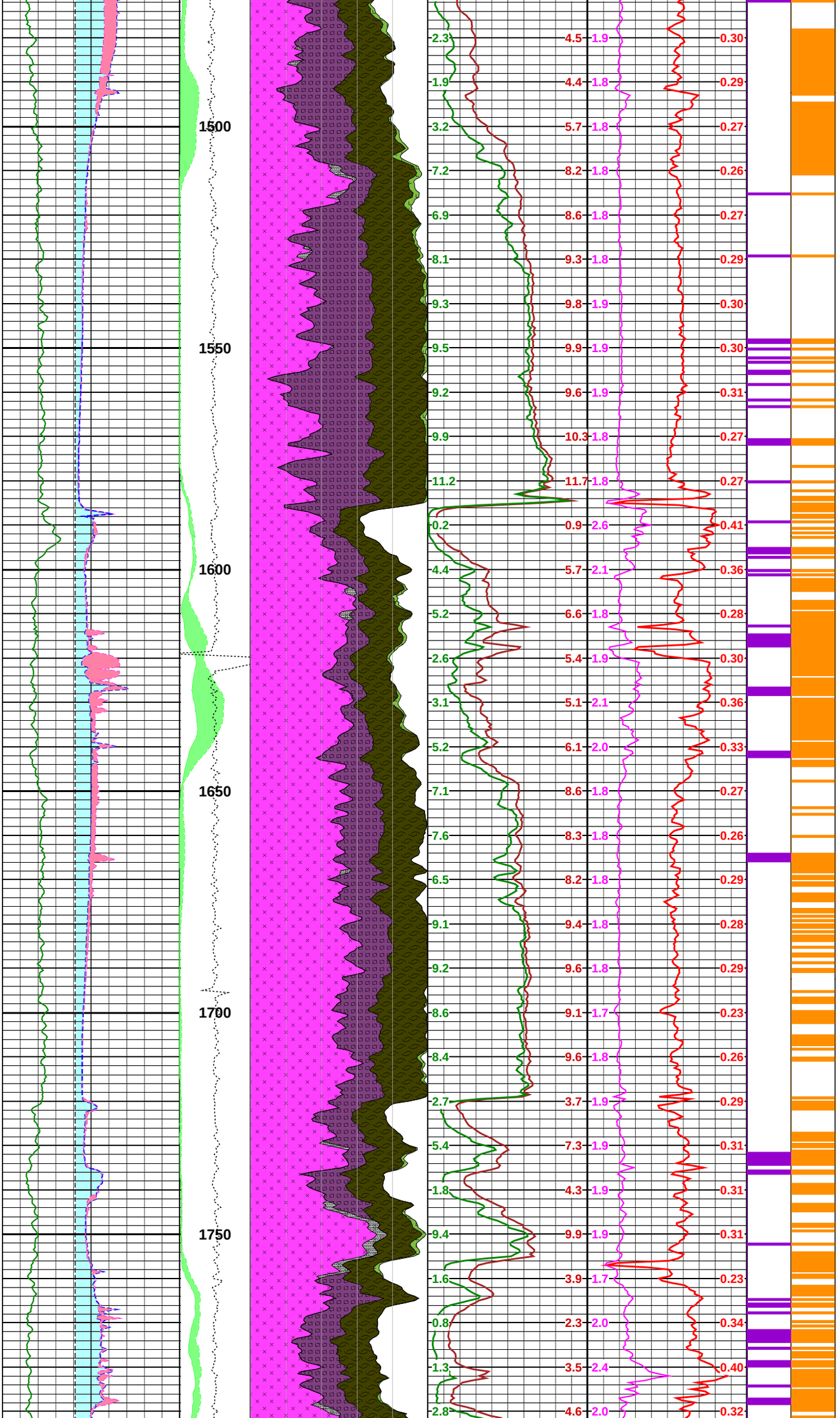
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4.5 4.4 5.7 8.2 8.6 9.3 9.8 9.9 9.6 10.3 11.7 0.9 5.7 6.6 5.4 5.1 6.1 8.6 8.3 8.2 9.4 9.6 9.1 9.6 3.7 7.3 4.3 9.9 3.9 2.3 3.5 4.6
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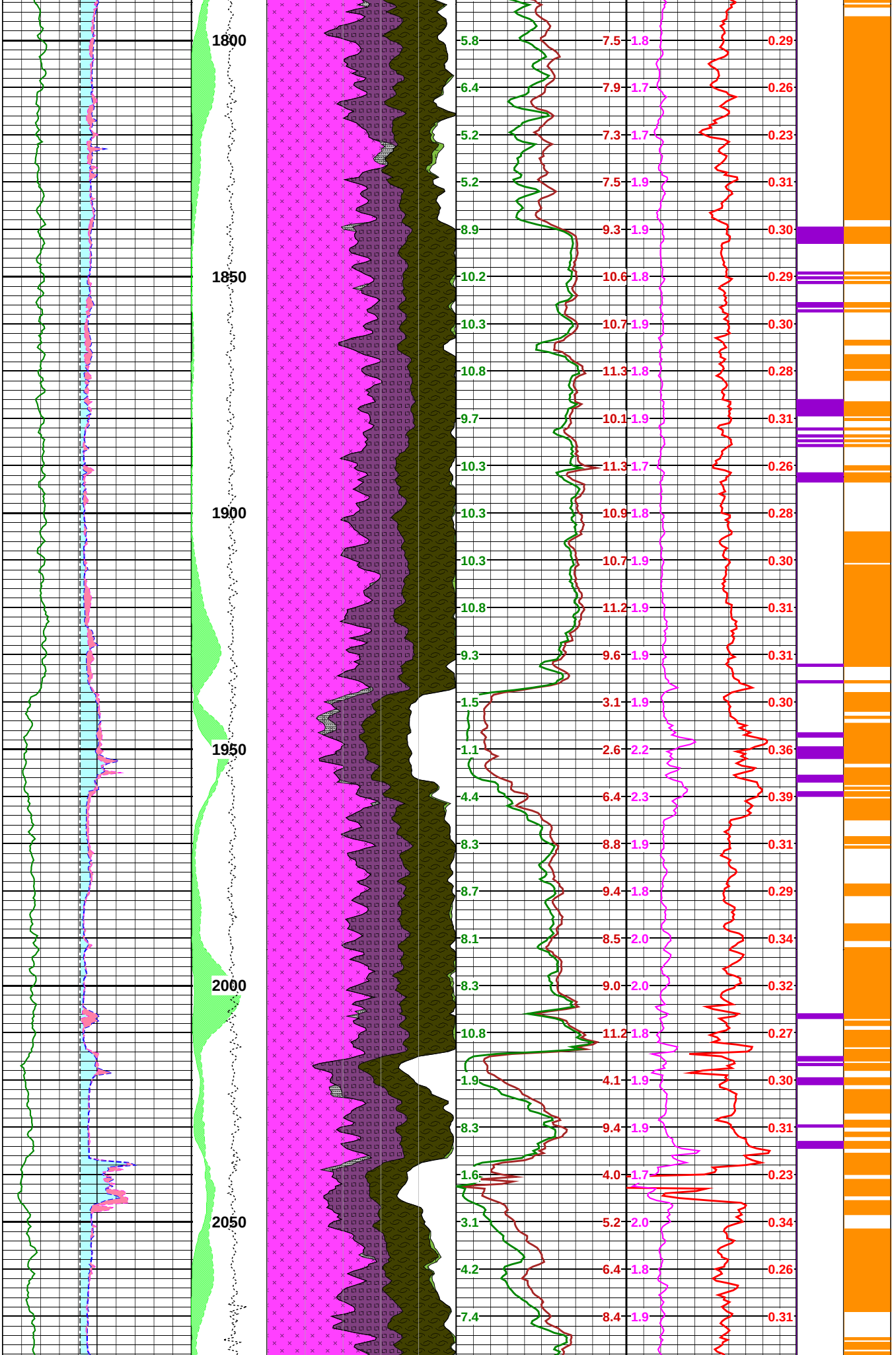
0.30 0.29 0.27 0.26 0.27 0.29 0.30 0.30 0.31 0.27 0.27 0.41 0.36 0.28 0.30 0.36 0.33 0.27 0.26 0.29 0.28 0.29 0.23 0.26 0.29 0.31 0.31 0.31 0.23 0.34 0.40 0.32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9.7 10.1 1.9 0.31
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1.9 4.1 1.9 0.30
8.3 9.4 1.9 0.31
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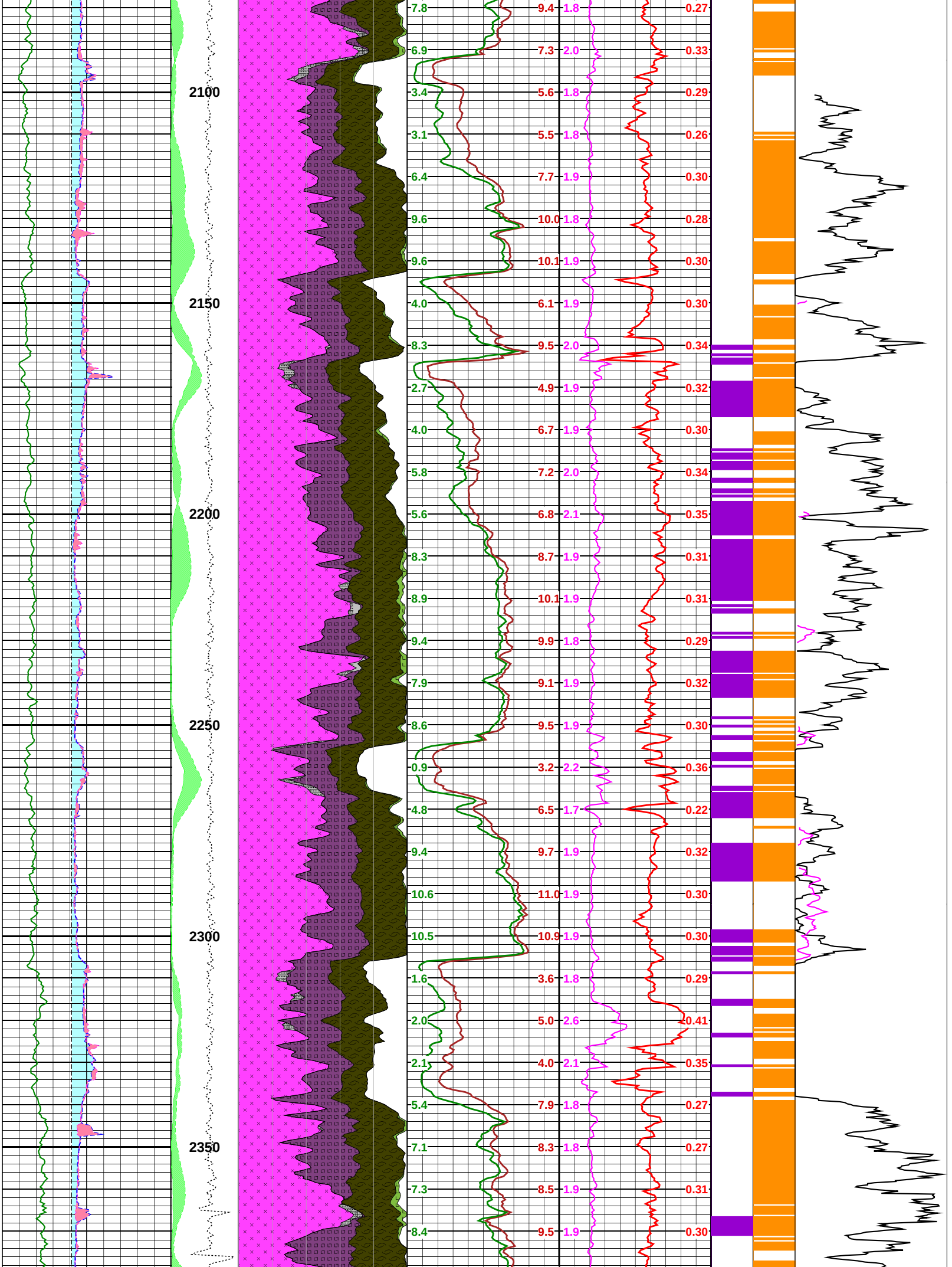
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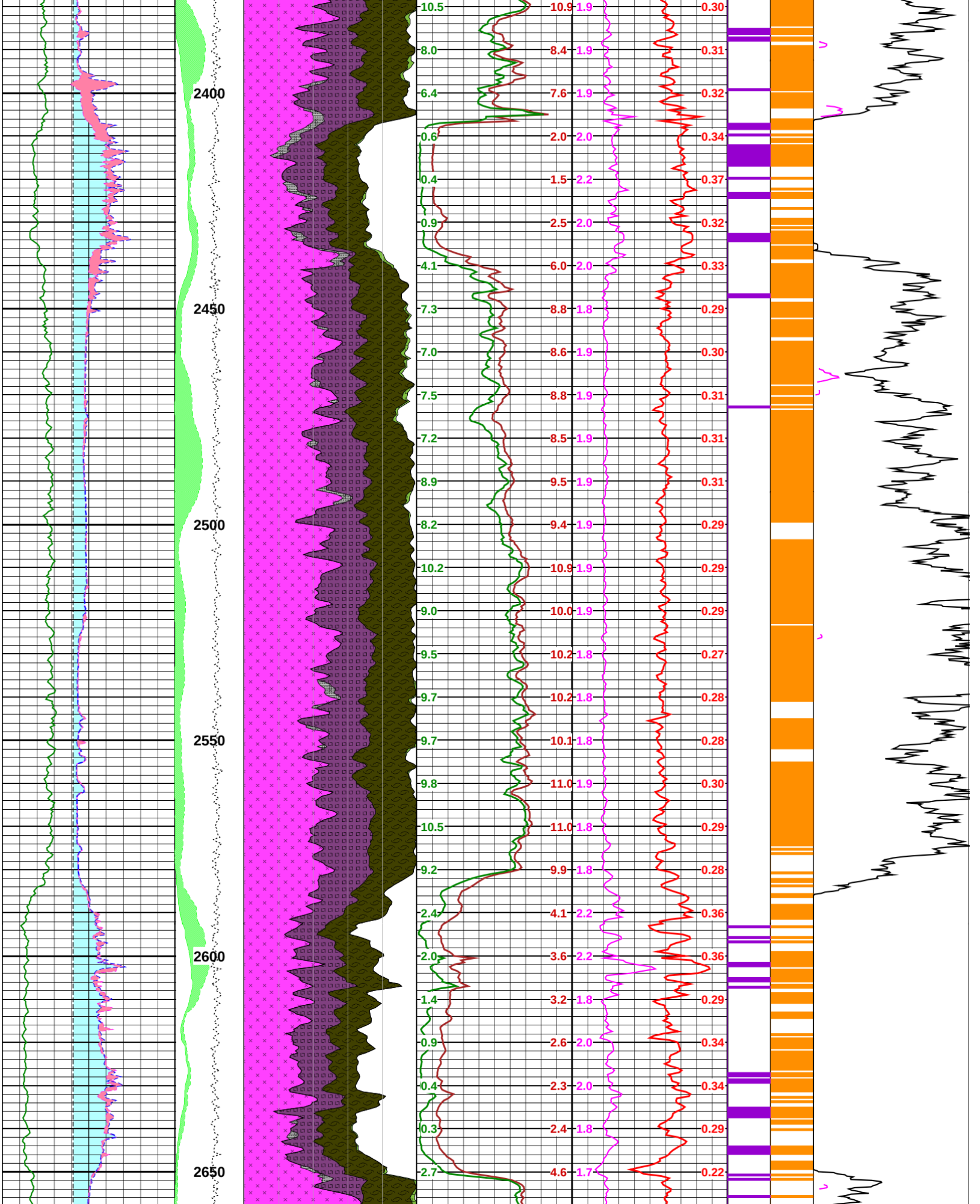
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0.6 2.0 2.0 0.34
0.4 1.5 2.2 0.37
0.9 2.5 2.0 0.32
4.1 6.0 2.0 0.33
7.3 8.8 1.8 0.29
7.0 8.6 1.9 0.30
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8.9 9.5 1.9 0.31
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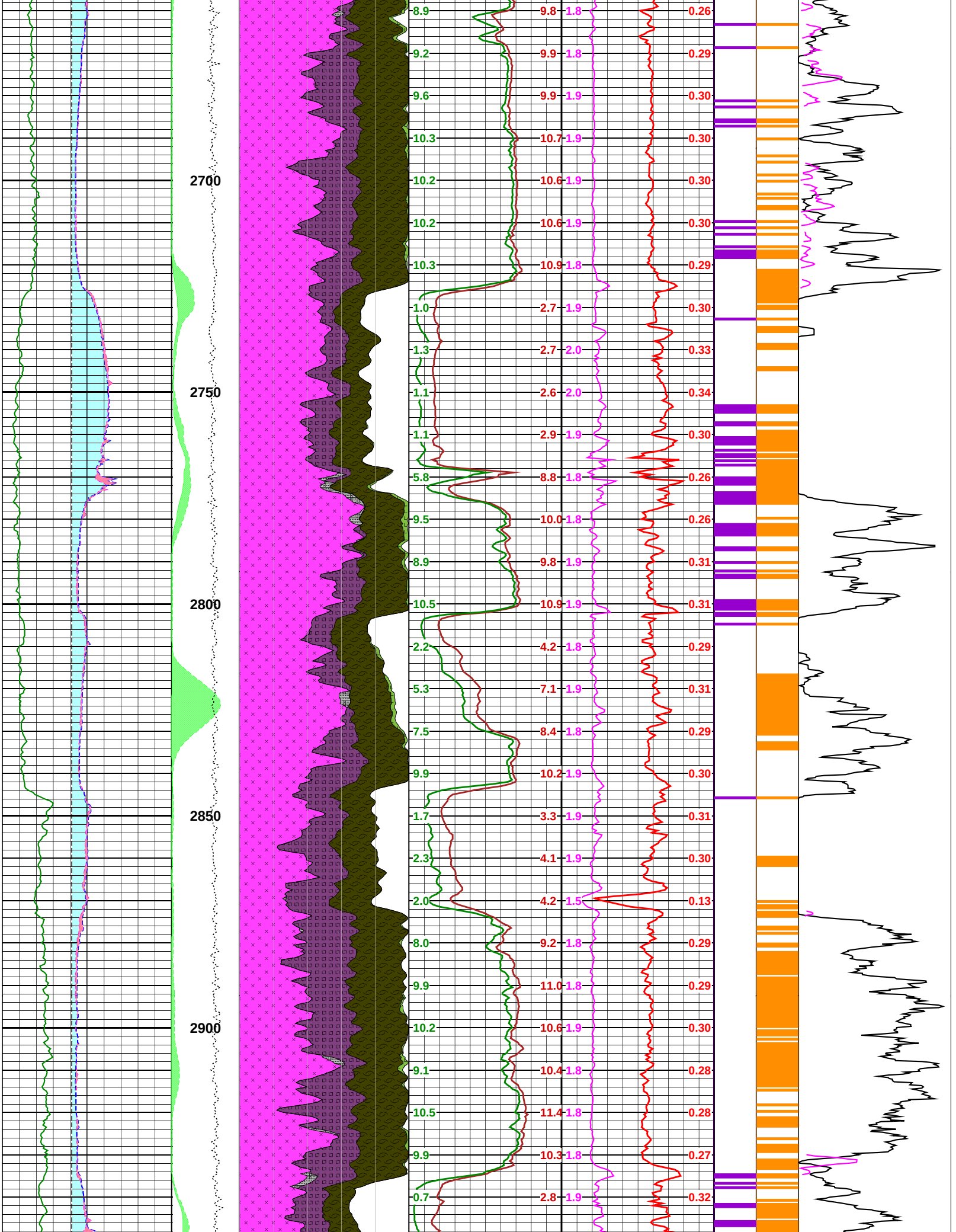
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1.0 2.7 1.9 0.30
1.3 2.7 2.0 0.33
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5.8 8.8 1.8 0.26
9.5 10.0 1.8 0.26
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9.9 11.0 1.8 0.29
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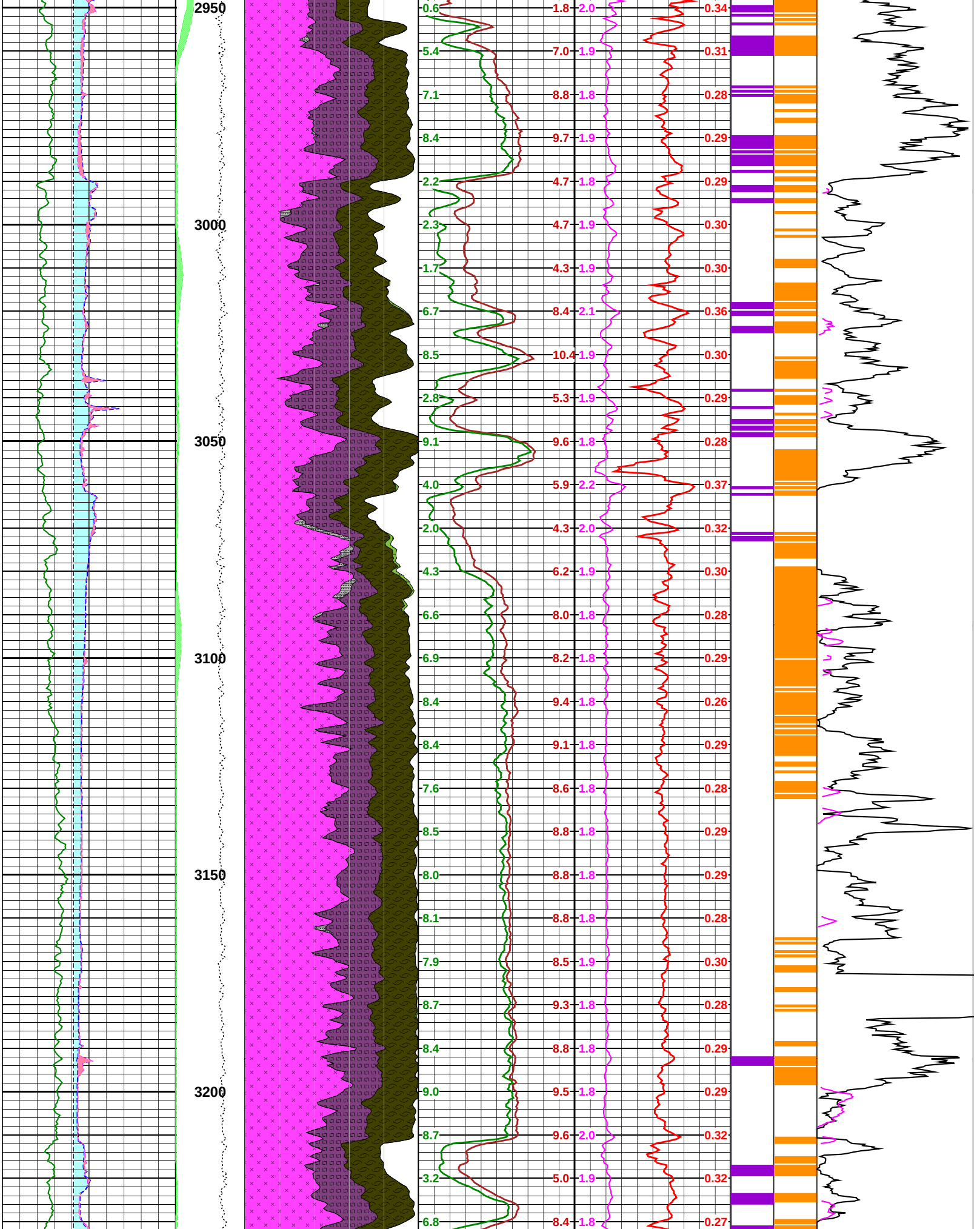
0.7 2.8 1.9 0.32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8.5 10.4 1.9 0.30
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2.0 4.3 2.0 0.32
4.3 6.2 1.9 0.30
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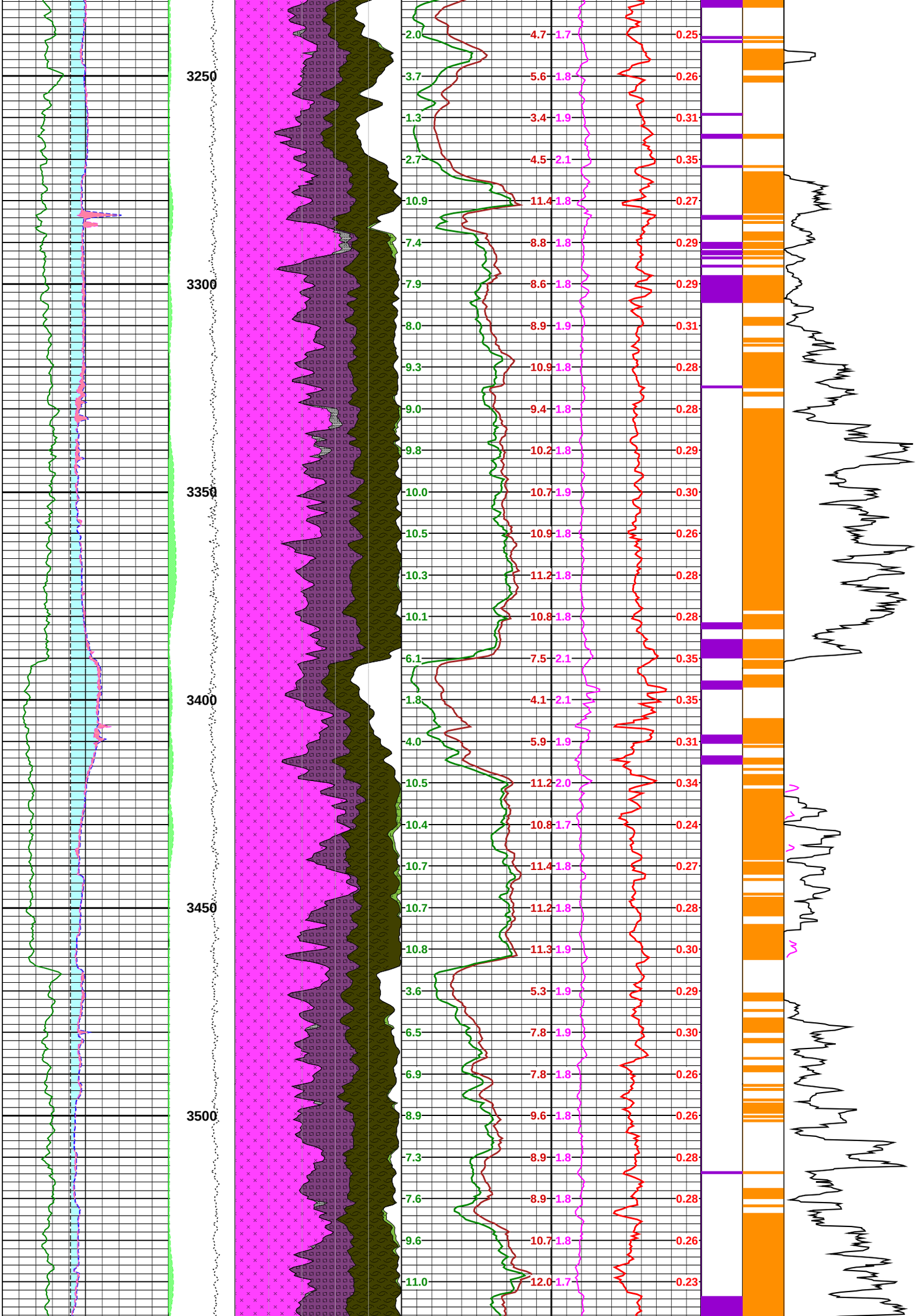
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2.7 4.5 2.1 0.35
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7.4 8.8 1.8 0.29
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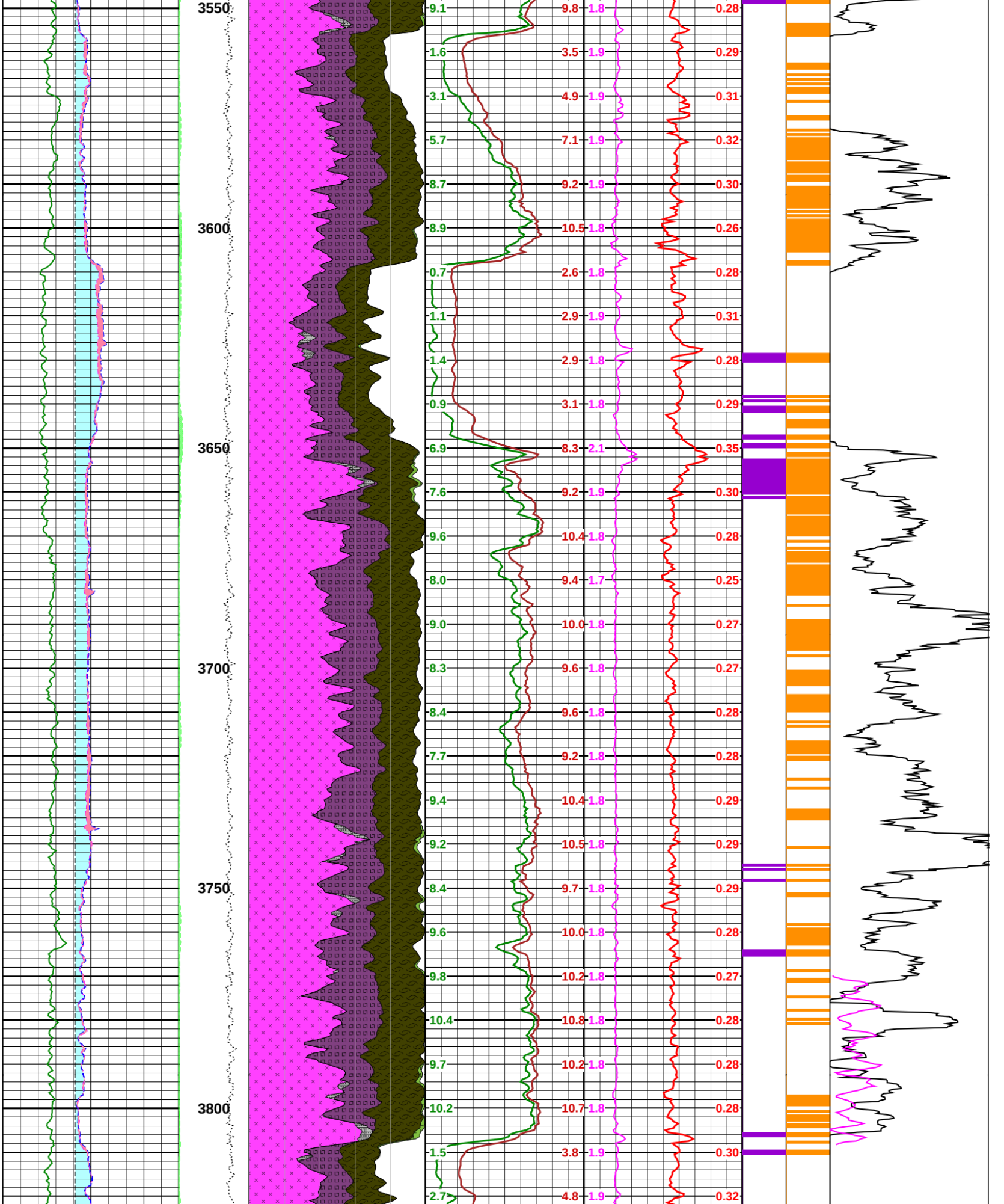
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5.7 7.1 1.9 0.32
8.7 9.2 1.9 0.30
8.9 10.5 1.8 0.26
0.7 2.6 1.8 0.28
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0.9 3.1 1.8 0.29
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9.0 10.0 1.8 0.27
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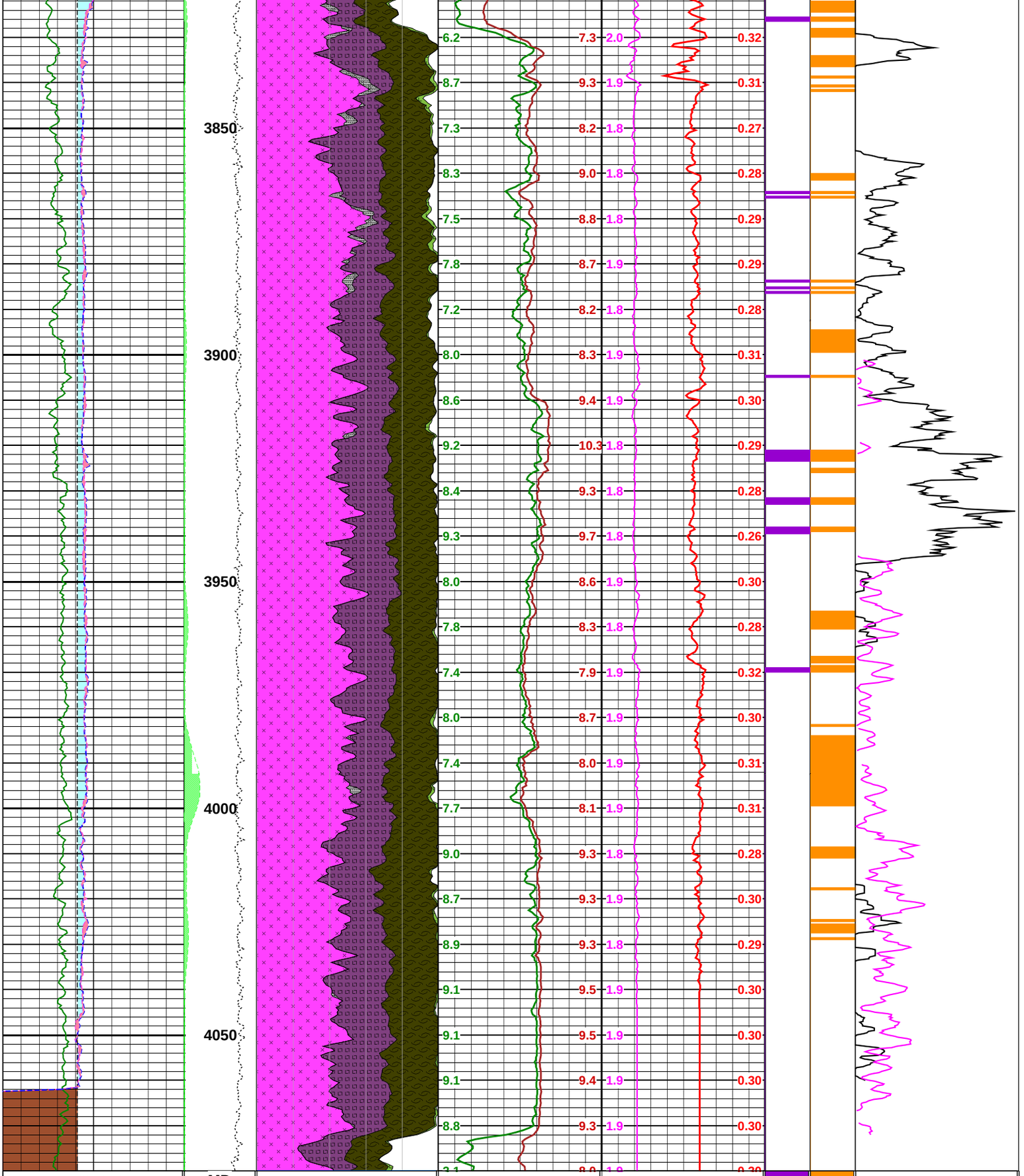

HD2–PPC 4 (in) 24	MD 1 : 240 ft	Water	YME_VERT_STA (Mpsi)	VPVS_FAST.DF VPVS ( )	TIV	TIH	Open Natural 0 (1/ft) 10
GR 0 (gAPI) 200	OffEne	Fe–Ti Oxide	VERT_DYN (Mpsi)	PR_FAST.DF PR_FAS ( )	TIV 0 ( ) 1	TIH 0 ( ) 1	Segments 0 (1/ft) 10
Bit Size 4 (in) 24	MAXXENE 0 ( ) 100	Augite	YME Static 0 (Mpsi) 15	VPVS_FAST.DF VPVS 1 ( ) 5			
HD1–PPC 4 (in) 24	MINXENE 0 ( ) 100	Glass	YME Dynamic 0 (Mpsi) 15	Poisson's Ratio 0 ( ) 0.5			
Washout	TENS TE 1000 (lbf) 3000	Siderite					
Mudcake		Labradorite					
Ovality		ELAN_VOLUMES ELAN_P 1 (V/V) 0					