



GEOFRAME  
PROCESSED  
INTERPRETATION

BestDT\*  
sonicVision Processing

2970m – 3095m (1/200)

\* A Mark of Schlumberger

Using the following logs:      sonicVision

COMPANY:	Esso Australia		
WELL:	CBA A15B		
FIELD:	HALIBUT		
Rig Label	ISDL 175		
STATE:	Victoria		
COUNTRY:	Australia		
Date Logged:	23-Aug-2009	Date Processed:	24-Aug-2009
Well Location:	Cobia Platform		
	Offshore Bass strait		

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

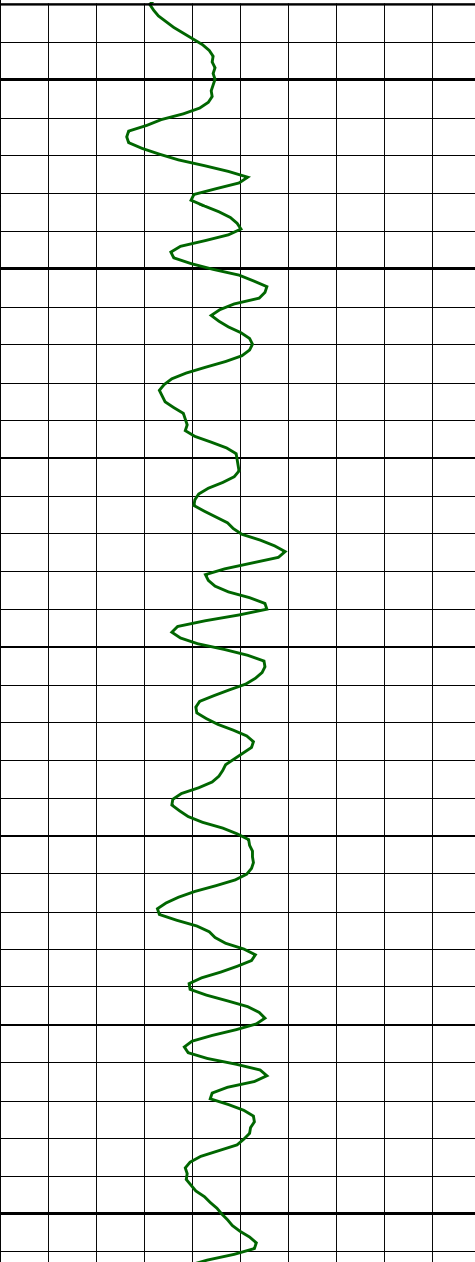
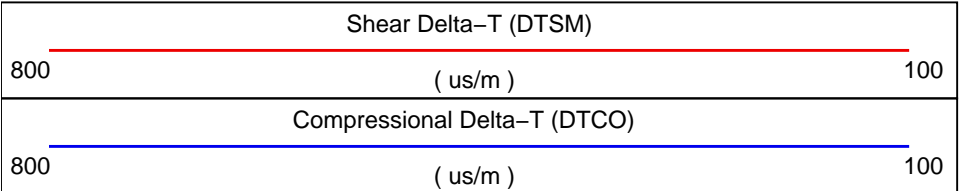
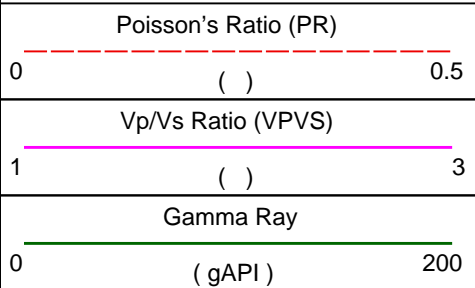
All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

Field Recording:	Location:      Offshore Bass Strait	Software Version:    14C0-108	Engineer:      Mewan Amarasena
Office Recording:	ICS Center:      Melbourne	Baseline:      GF44 DC4	Log Analyst:      A. Datey
Mud and Borehole Measurements:			
Rm @ Measured Temperature:      @		BHT:	Bitsize:      9.875in
Rmf @ Measured Temperature:      @		Type Fluid in Hole:	Synthetic Based Mud
Rmc @ Measured Temperature:      @		Mud Density:    1.39118g/cm3	

Remarks:

sonicVision6 run in 9 7/8" bit size.

See bottom of the QC log for processing parameters.



MD  
1 : 200  
m

2870

2875

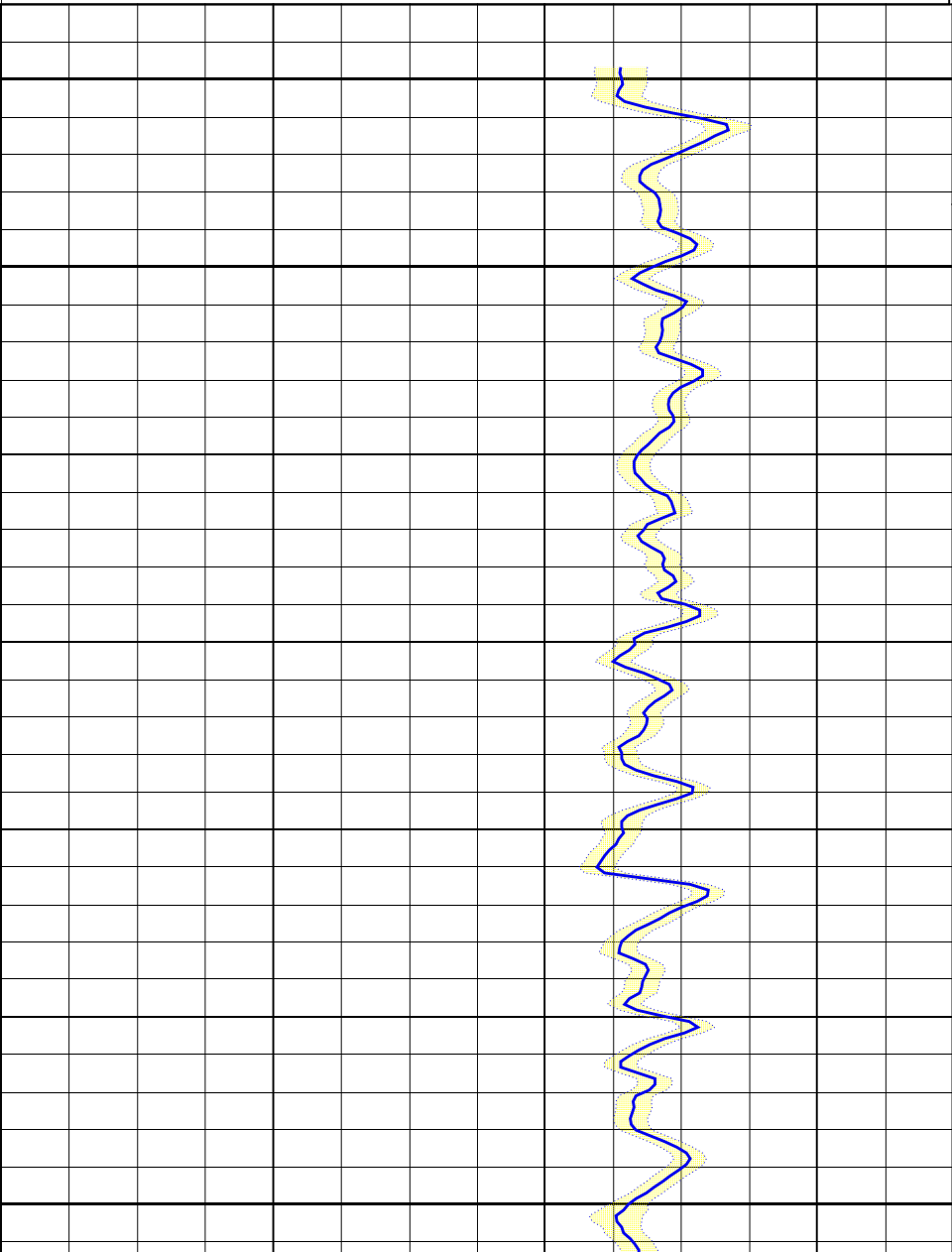
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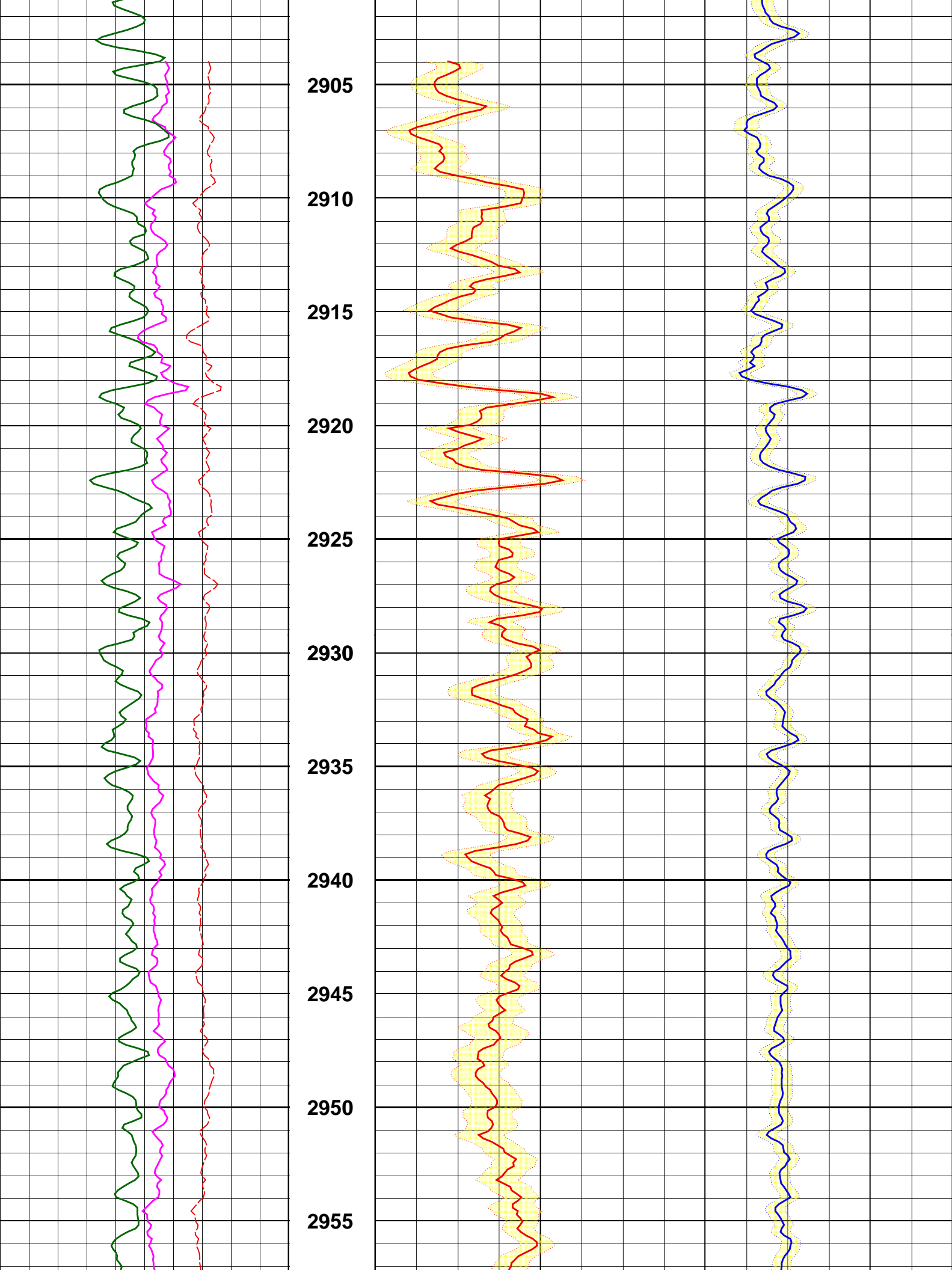
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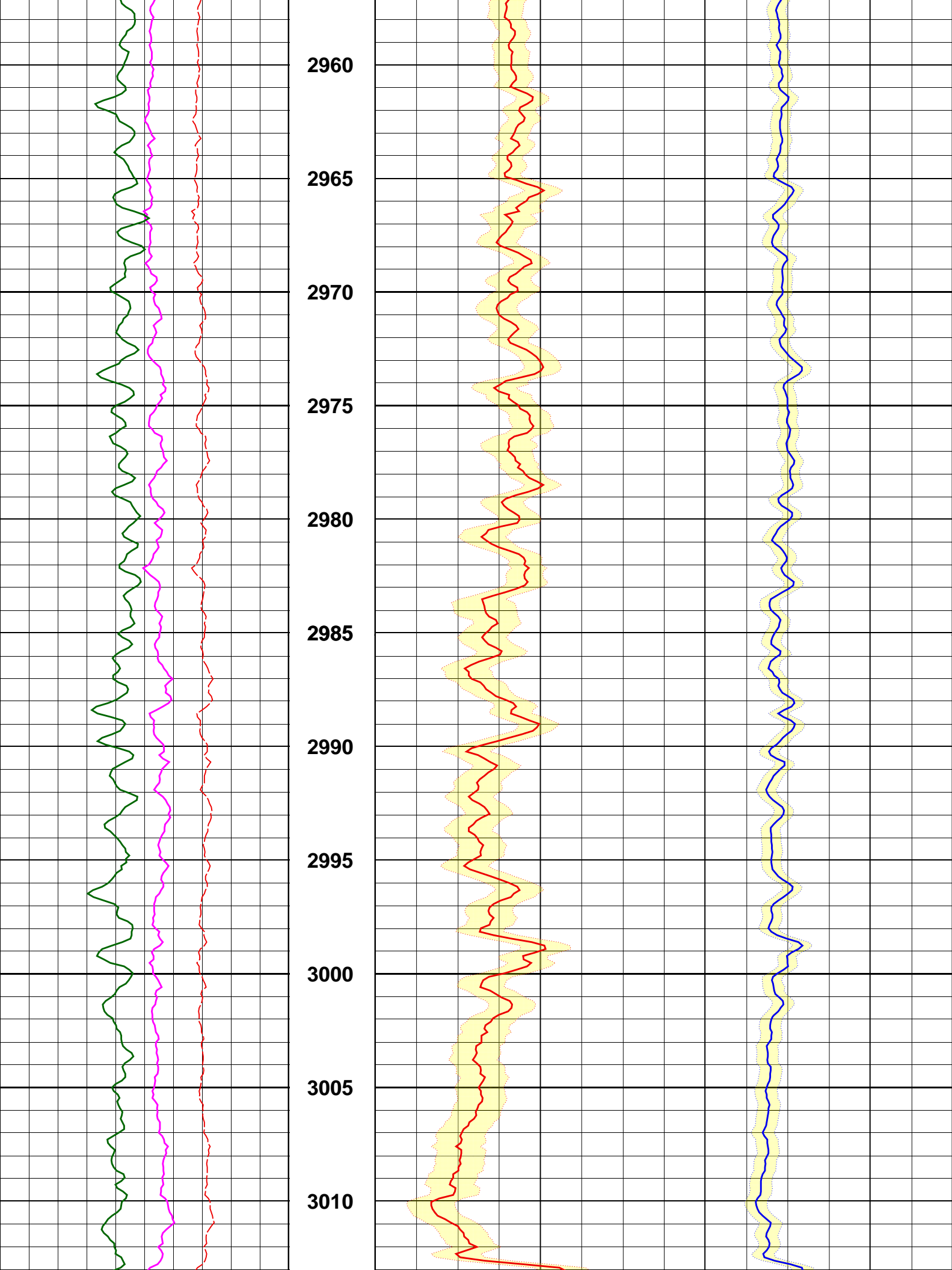
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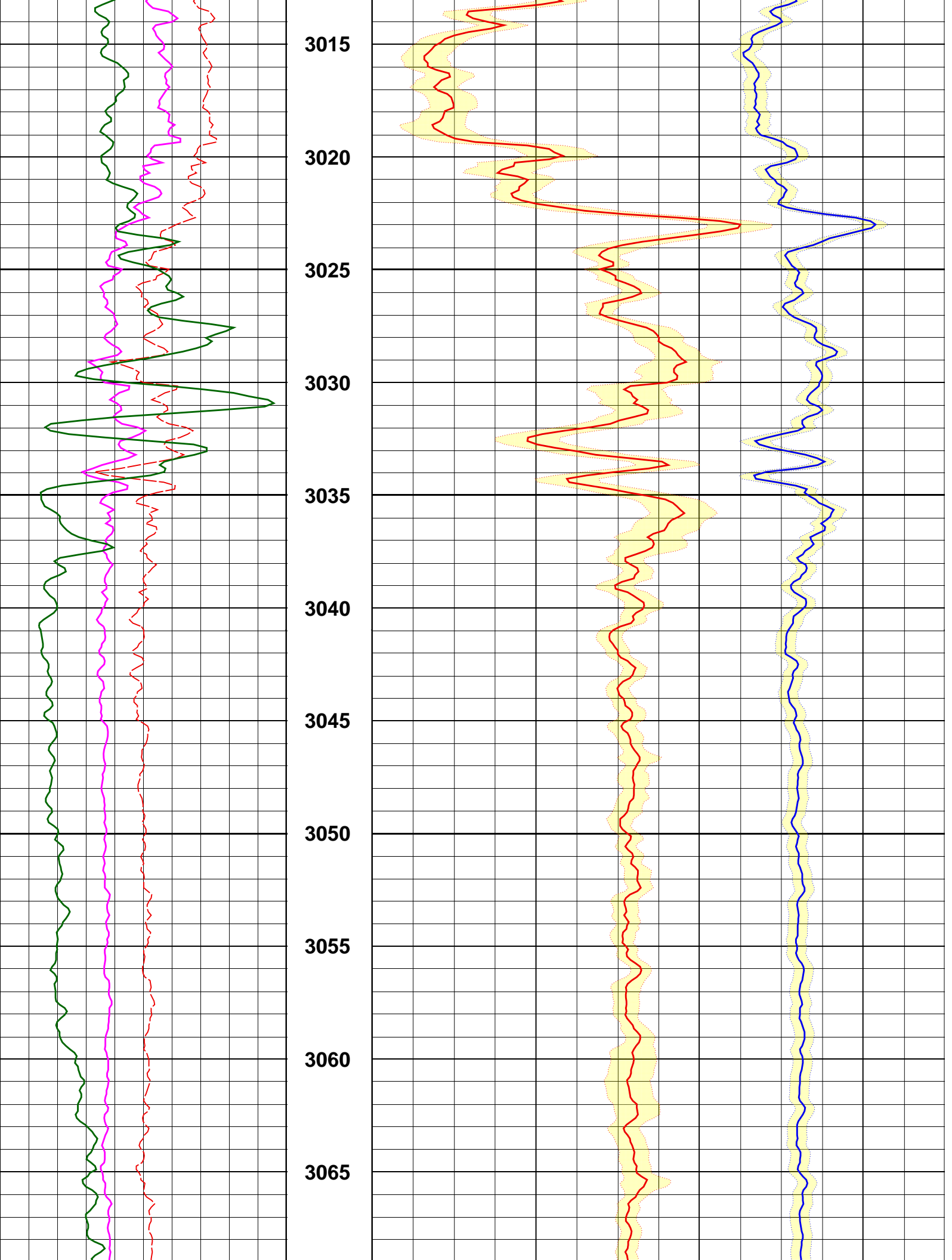
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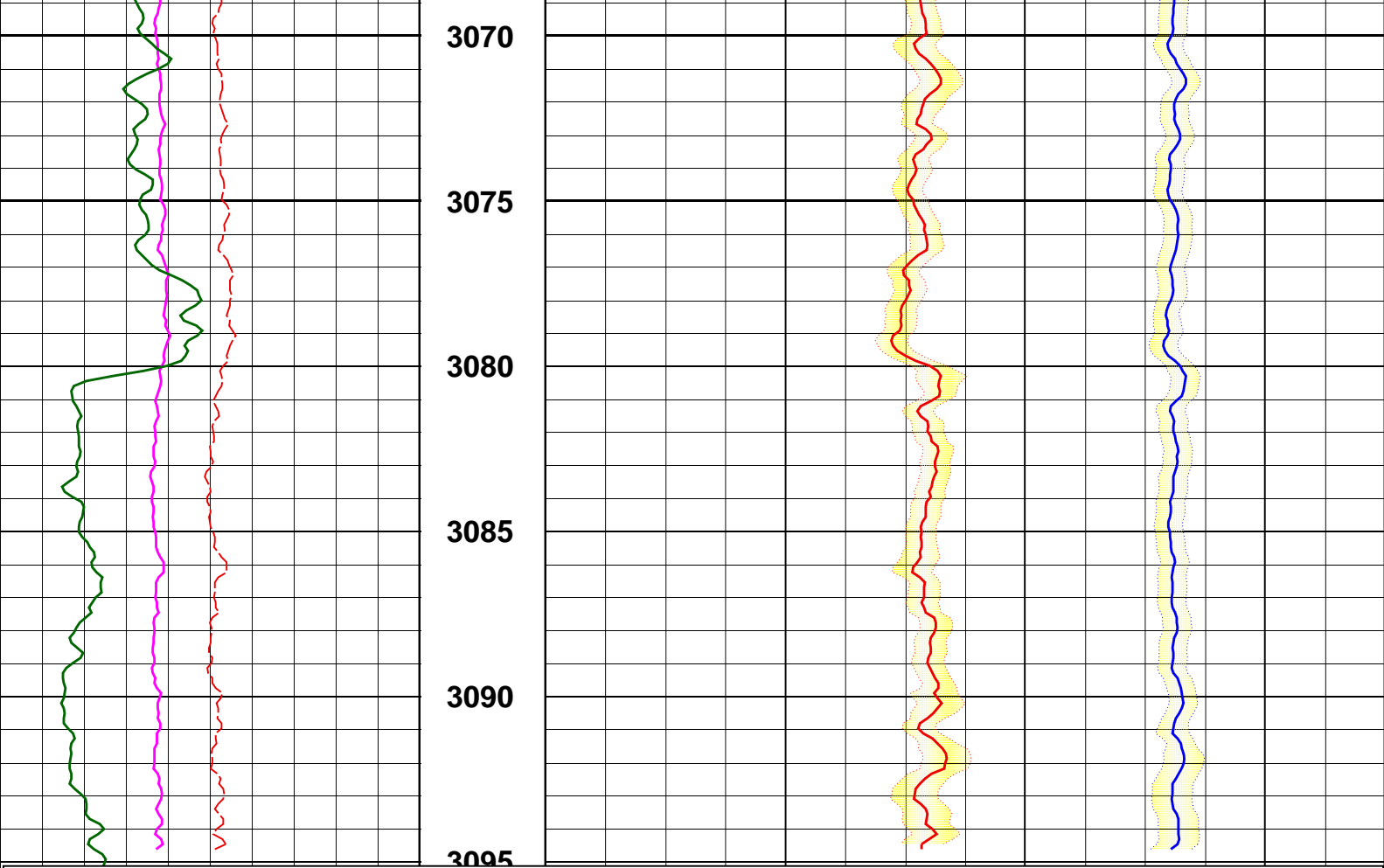
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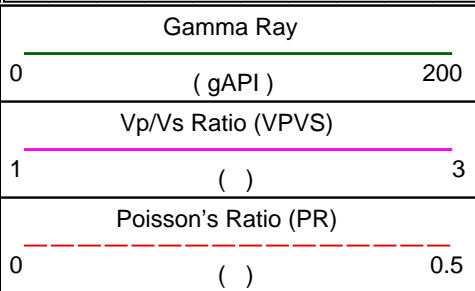




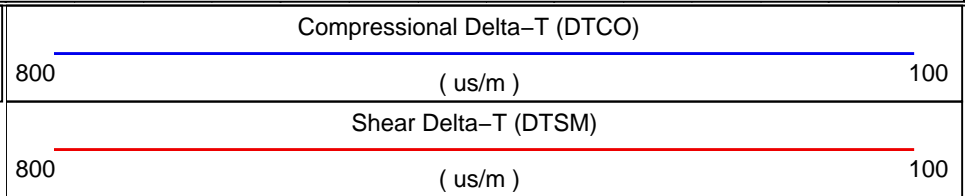




--- Finalization Result ---				
1	MPS Compressional	Receiver	Absent levels=	37
1	MPS Compressional	Transmitter	Absent levels=	25
2	MPS Compressional	Receiver	Absent levels=	1494
2	MPS Compressional	Transmitter	Absent levels=	1490
1	MPS Shear	Receiver	Absent levels=	1494
1	MPS Shear	Transmitter	Absent levels=	1490
2	MPS Shear	Receiver	Absent levels=	299
2	MPS Shear	Transmitter	Absent levels=	293
1	MPS Compressional	DDBHC	Absent levels=	37      *Selected*
2	MPS Compressional	DDBHC	Absent levels=	1514
1	MPS Shear	DDBHC	Absent levels=	1514
2	MPS Shear	DDBHC	Absent levels=	263      *Selected*

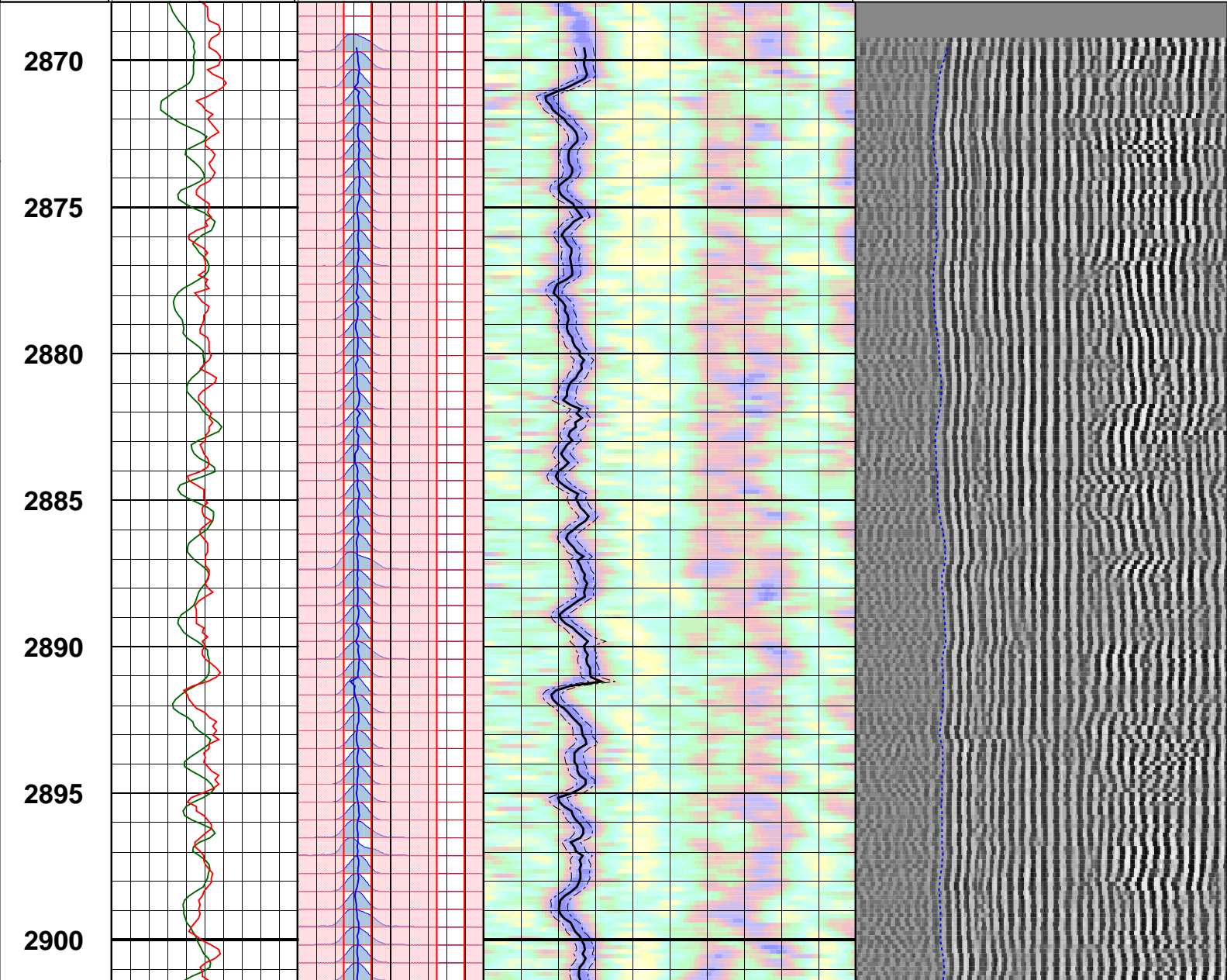
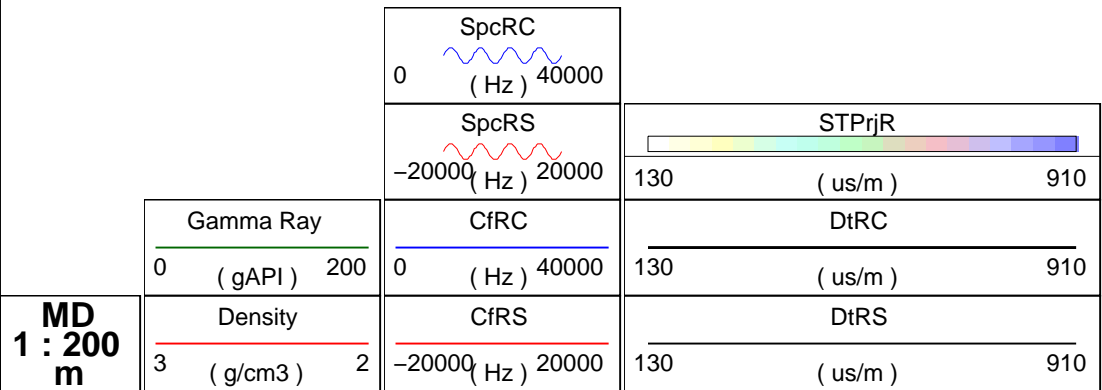


**MD**  
**1 : 200**  
**m**



Monopole Compressional Processing QC

WF VDL		
<div></div>		
400	( us )	3378
TICS		
400	( us )	3378
TISS		
400	( us )	3378





2905

2910

2915

2920

2925

2930

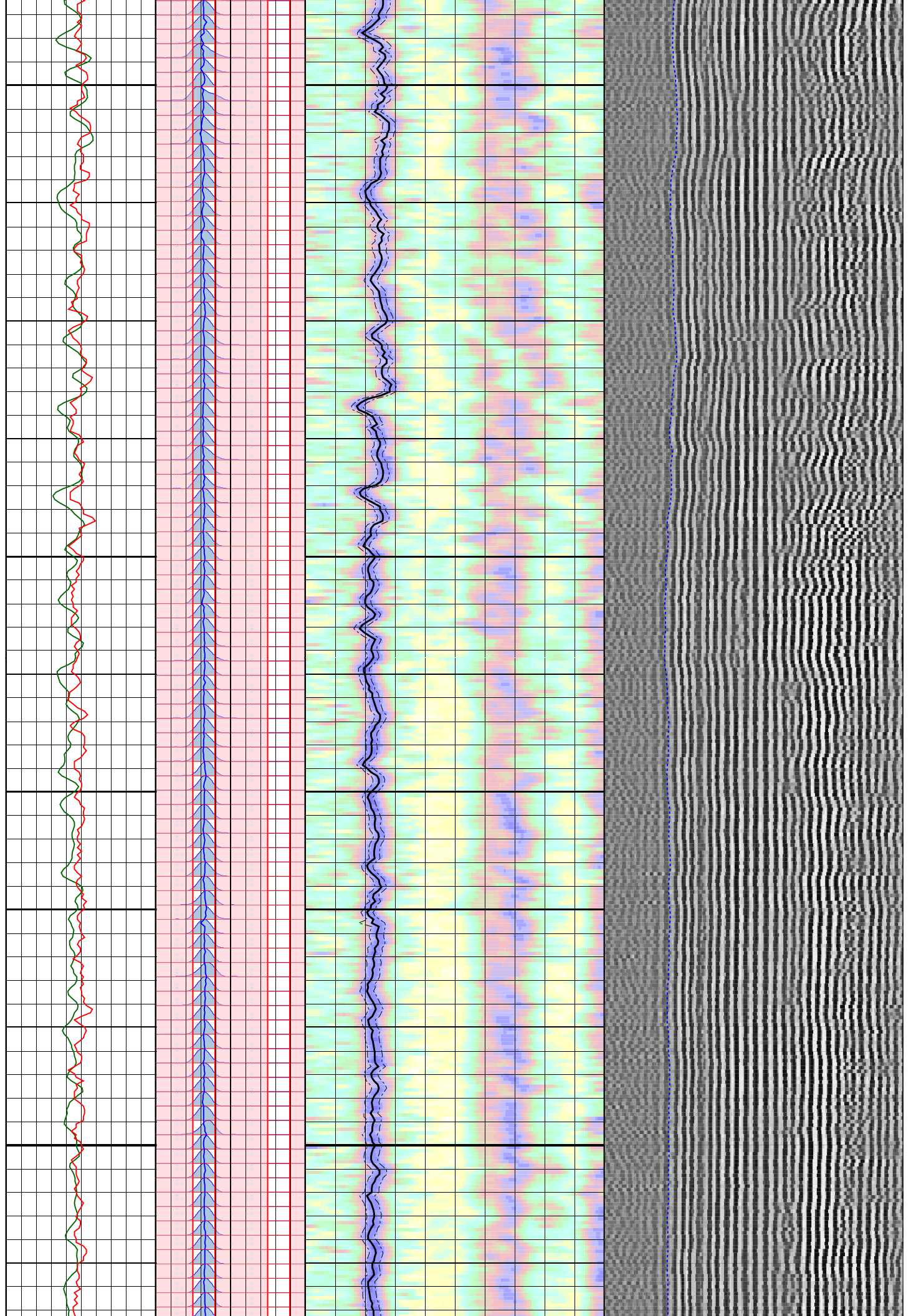
2935

2940

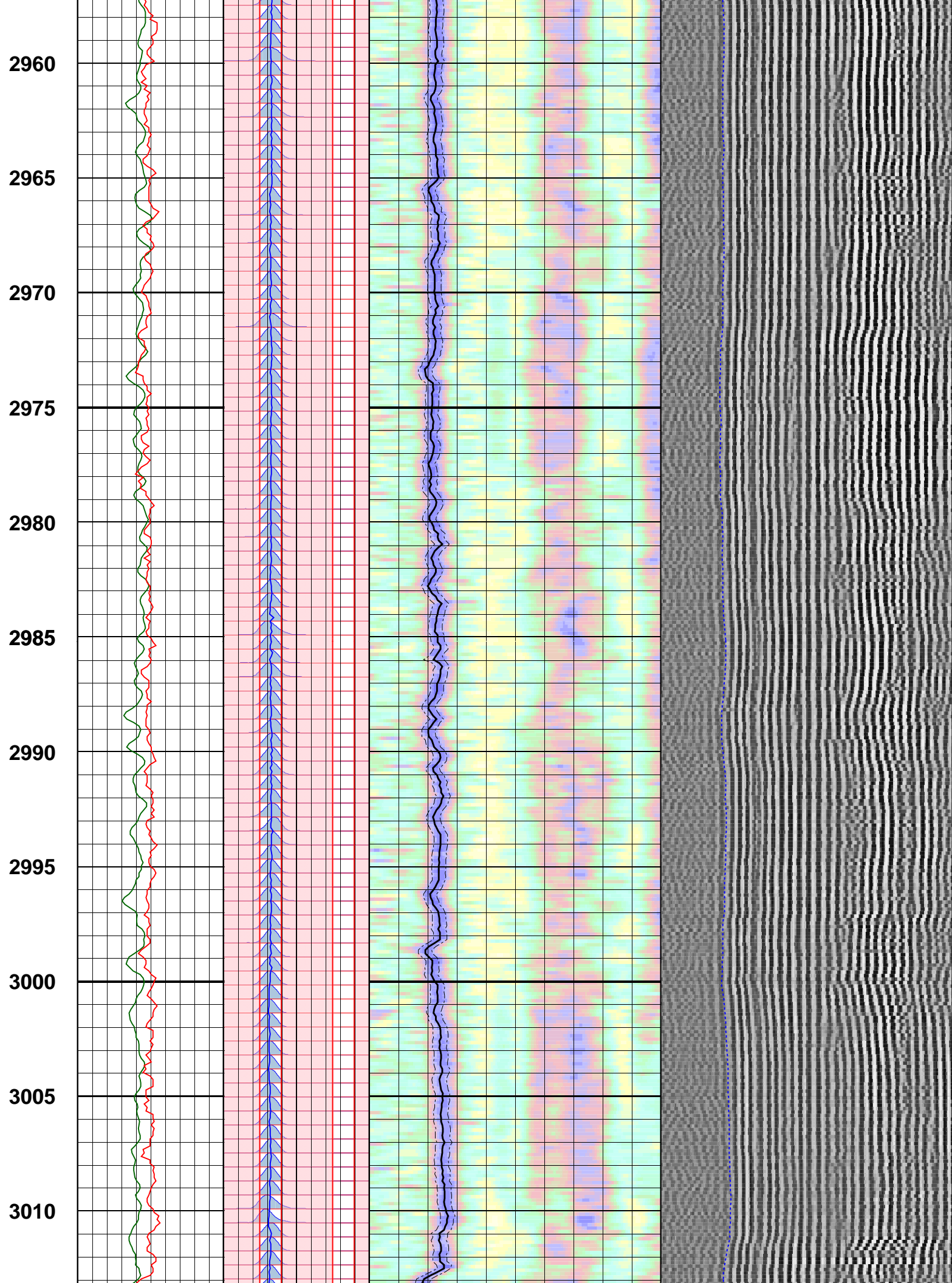
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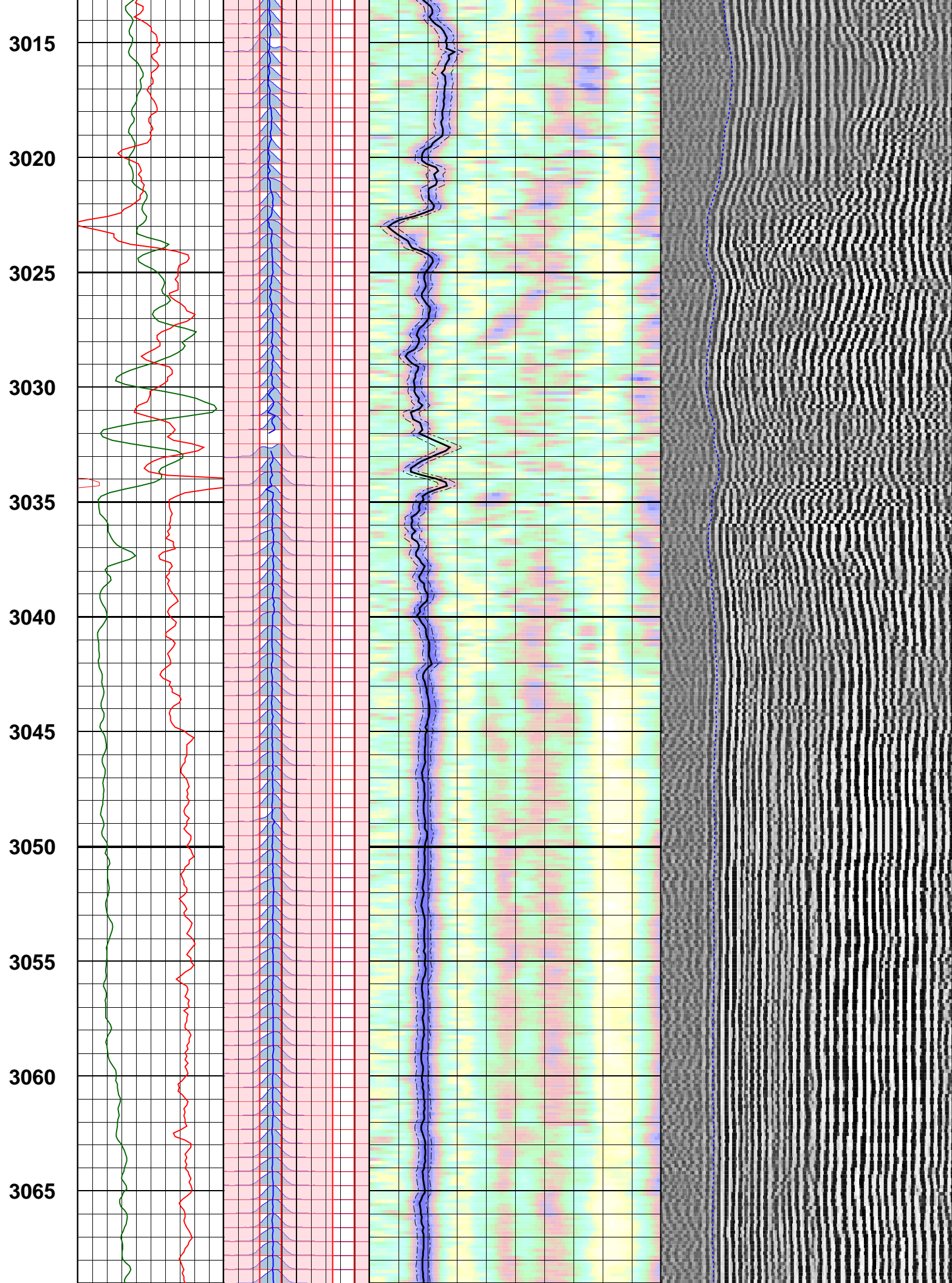
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2955

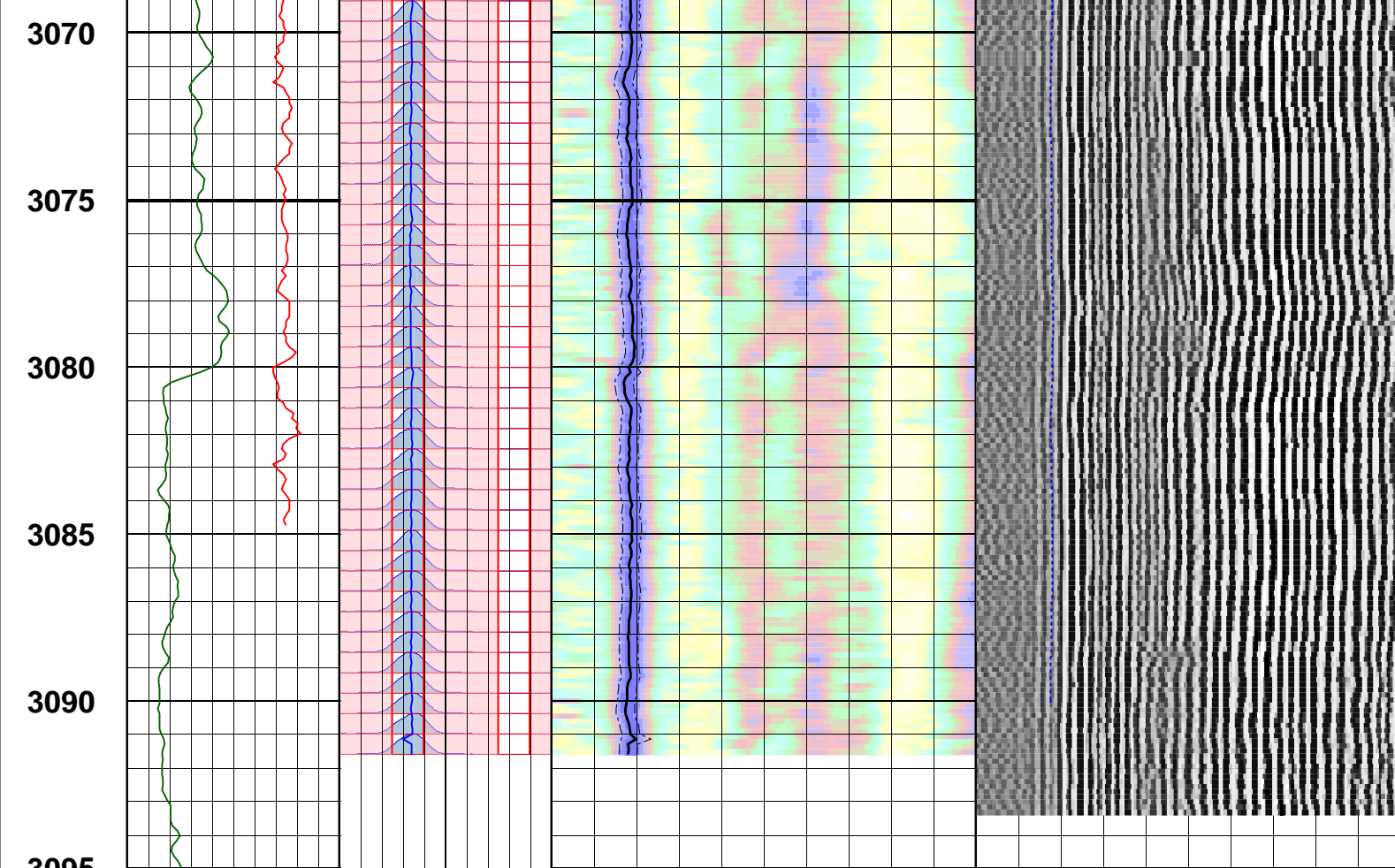












Customized Process: Start Depth (3094.59 m), Stop Depth (2864.06 m), Logging Mode (sonicVISION – MPS\_WIDE)

Noise Cut Filtering(No), Casing Cut Filtering(No)

WF\_FLG(1 1 1 1), MUD\_TYPE(Slow OBM), STCAL(Full Array)

TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)

Mud Slowness (no input)

Hole Diameter (no input)

Zoning Guide (DTBC@Run\_4;1 (2863.9 – 3091.59 m))

Tracking Guide (no input)

---- Zone Top Depth (0), Zone Name (Zone1) ----

SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix\*), HD(9.875), DTMUD(721.785)

TWI(238.281), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)

SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)

TKO\_MODEL\_ORDER(2), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

MD 1 : 200 m	Density <div><div></div></div> <div>3 ( g/cm3 ) 2</div>		CfRS <div><div></div></div> <div>-20000 ( Hz ) 20000</div>		DtRS <div><div></div></div> <div>130 ( us/m ) 910</div>		
	Gamma Ray <div><div></div></div> <div>0 ( gAPI ) 200</div>		CfRC <div><div></div></div> <div>0 ( Hz ) 40000</div>		DtRC <div><div></div></div> <div>130 ( us/m ) 910</div>		
			SpcRS <div><div></div></div> <div>-20000 ( Hz ) 20000</div>		STPrjR <div><div></div></div> <div>130 ( us/m ) 910</div>		
			SpcRC <div><div></div></div> <div>0 ( Hz ) 40000</div>				
					TISS <div><div></div></div> <div>400 ( us ) 3378</div>		
TICS <div><div></div></div> <div>400 ( us ) 3378</div>							
WF VDL <div><div></div></div> <div>400 ( us ) 3378</div>							

Monopole Shear Processing QC

MD  
1 : 200  
m

2900

2905

2910

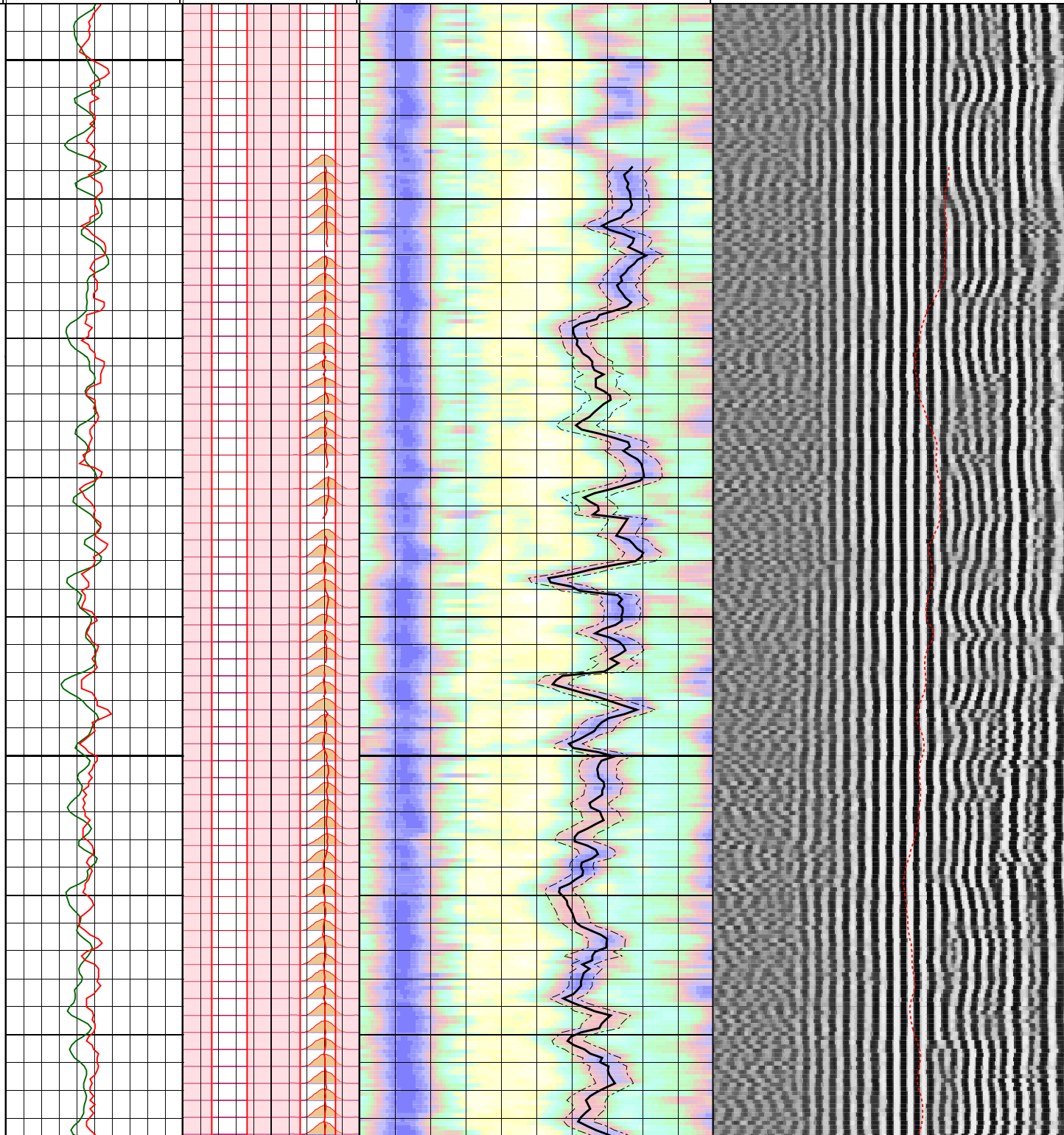
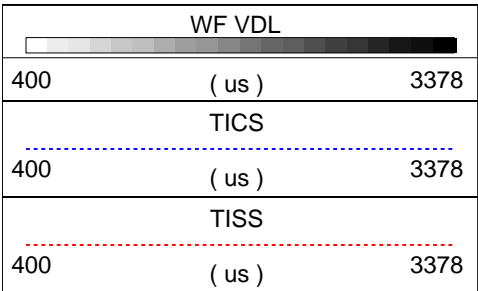
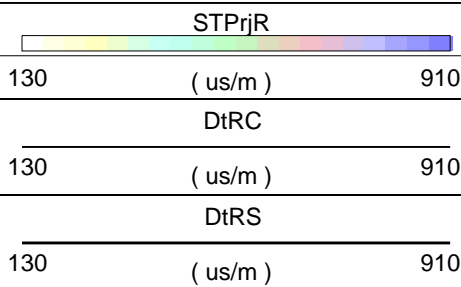
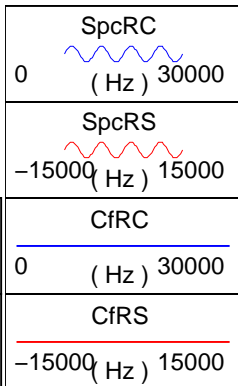
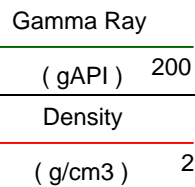
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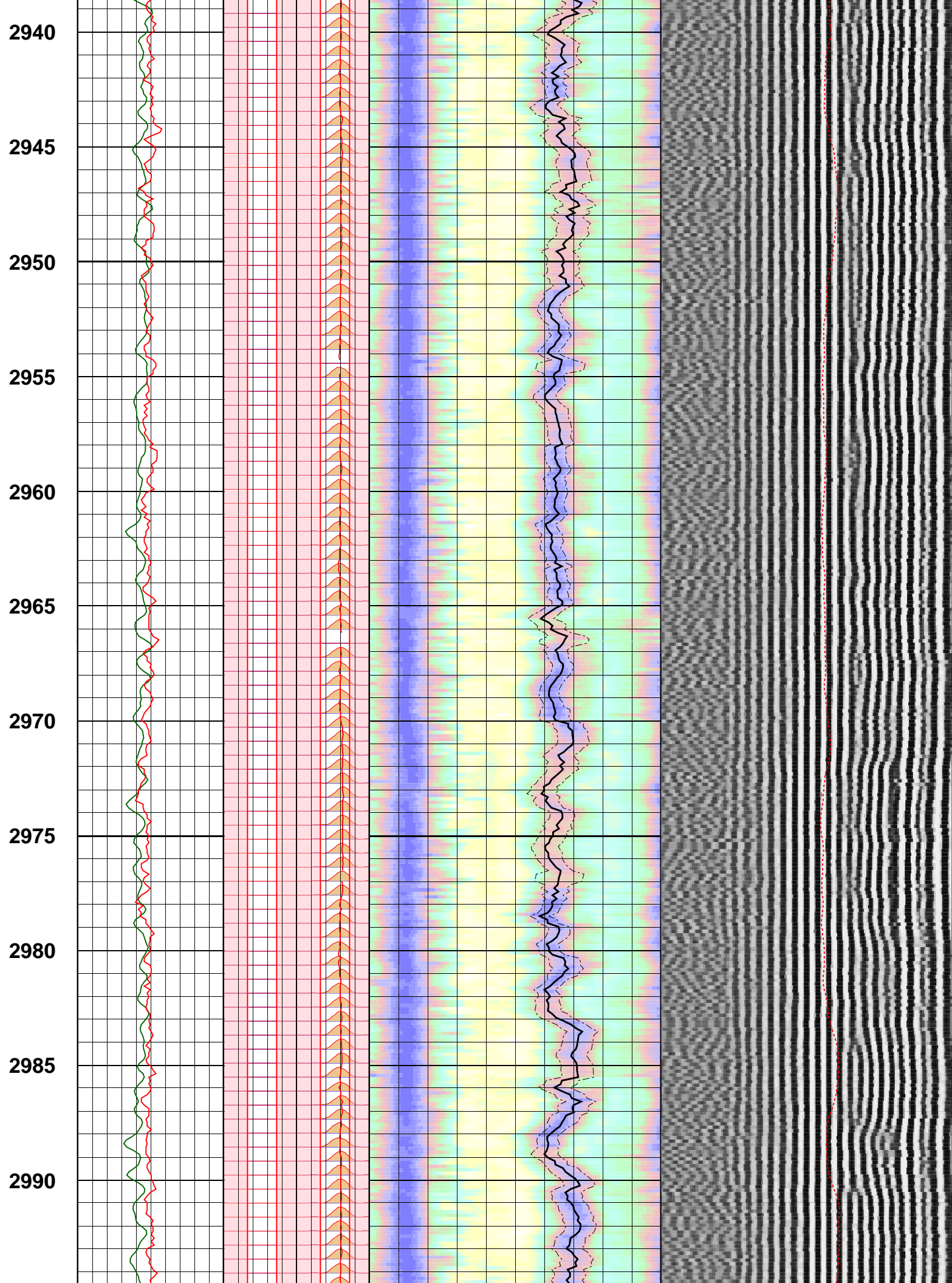
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2925

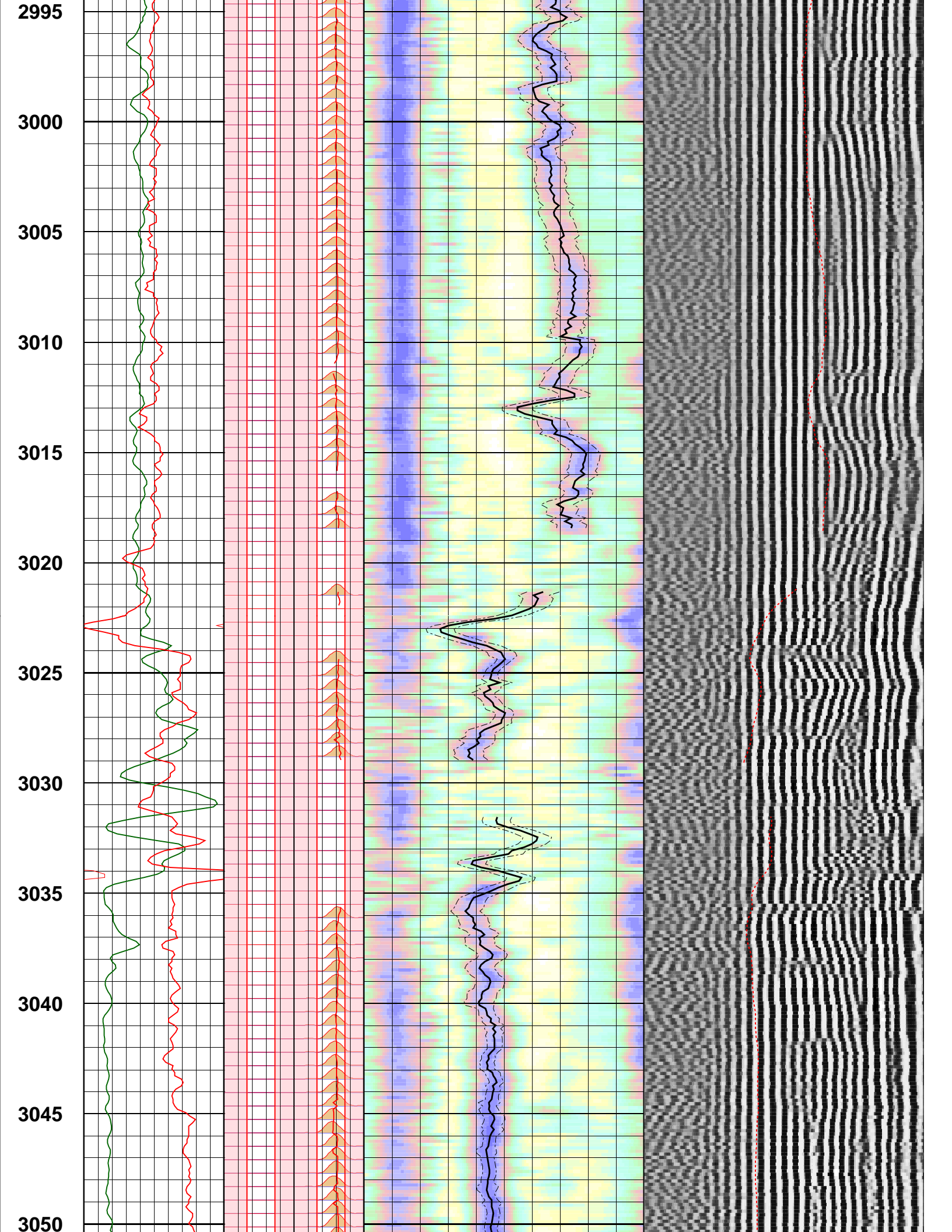
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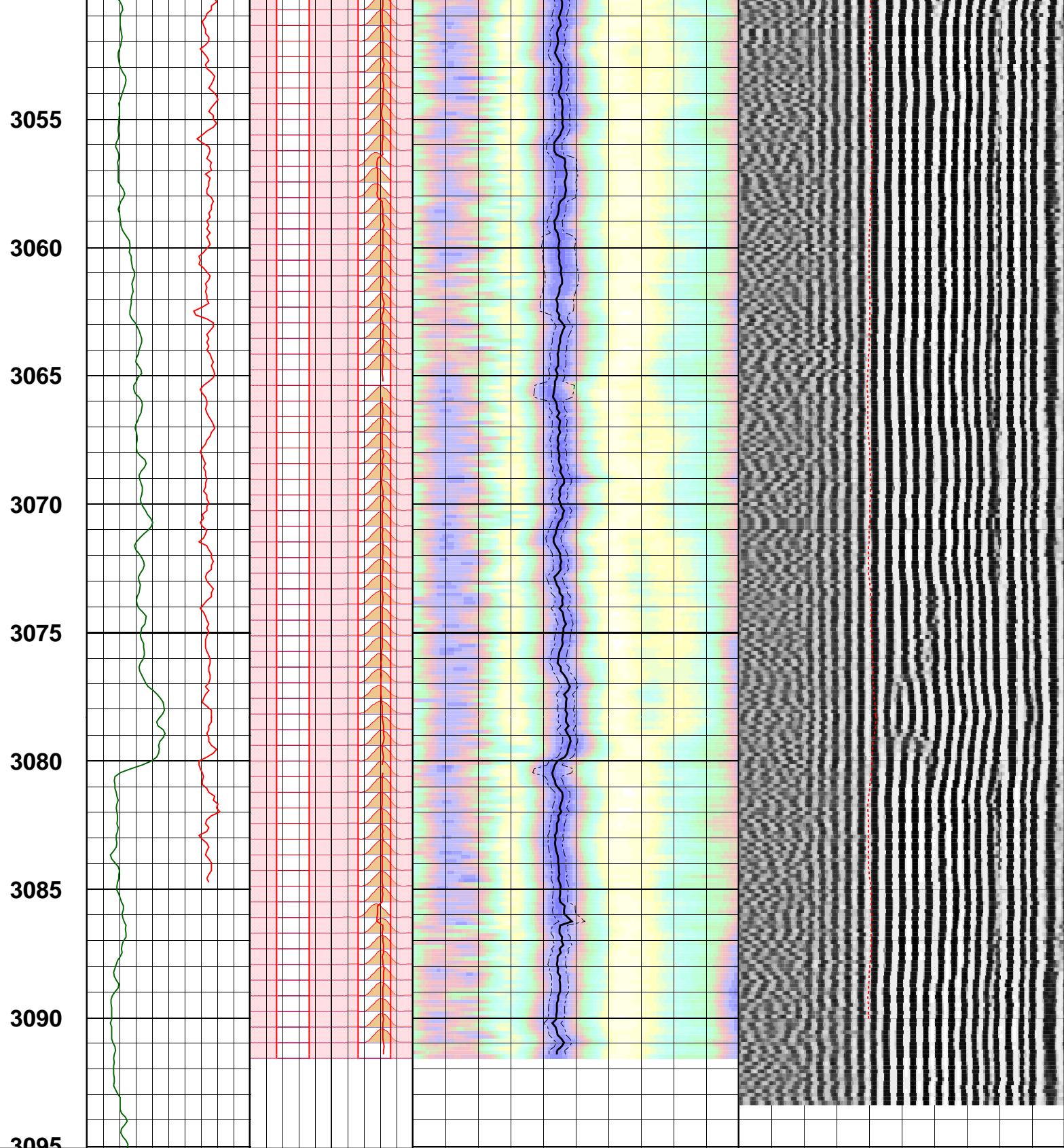
2935











Customized Process: Start Depth (3094.59 m), Stop Depth (2864.06 m), Logging Mode (sonicVISION – MPS\_WIDE)  
Noise Cut Filtering(No), Casing Cut Filtering(No)  
WF\_FLG(1 1 1 1), MUD\_TYPE(Slow OBM), STCAL(Full Array)  
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)  
Mud Slowness (no input)  
Hole Diameter (no input)  
Zoning Guide (DTBC@Run\_4;1 (2863.9 – 3091.59 m))  
Tracking Guide (DTRP@BestDT-3;2 .CO .MPS\_WIDE .ISONIC .SWP .BDT .EDT (3091.59 – 2864.06 m))

---- Zone Top Depth (0), Zone Name (Zone1) ----

SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix\*), HD(9.875), DTMUD(721.785)

TWL(277.005\*), CIL(120.204), CUL(248.574), GST(6.51460), TLL(100), TUL(2270.50), TCT(20.7425)

TWL(277.995\*), SLL(130.294), SUL(918.571), SSI(6.51469), TLL(400), TUL(3378.52), TSI(39.7135)  
SBW(1200\*), SBO(760\*), SWD(65.6168), TWD(840), SEM(0.45), FLENG(49\*), FLOW(5000\*), FHIGH(11000\*)  
TKO\_MODEL\_ORDER(2), TKO\_TOL(50) TKO\_FLOW(0), TKO\_FHIGH(12000)

MD 1 : 200 m	Density		CfRS		DtRS		
	3	( g/cm3 )	2	-15000 ( Hz ) 15000	130	( us/m ) 910	
	Gamma Ray		CfRC		DtRC		
	0	( gAPI )	200	0 ( Hz ) 30000	130	( us/m ) 910	
			SpcRS		STPrjR		
			-15000 ( Hz ) 15000		130 ( us/m ) 910		
			SpcRC				
			0 ( Hz ) 30000				
				TISS			
				400 ( us ) 3378			
				TICS			
				400 ( us ) 3378			
				WF VDL			
				400 ( us ) 3378			

Company: Esso Australia  
Well: CBA A15B  
FIELD: HALIBUT  
Rig Label ISDL 175  
STATE: Victoria

Date Logged: 23-Aug-2009  
Well Location: Cobia Platform  
Offshore Bass strait

Date Processed: 24-Aug-2009

