



GEOFRAME
PROCESSED
INTERPRETATION

WKF W12A
sonicVision Processing

2140m – 2415m (1/200)

*A Mark of Schlumberger

Using the following logs:

sonicVision

COMPANY: ESSO Australia Pty Ltd

WELL: WKF W12A

FIELD: WEST KINGFISH

STATE: VIC

COUNTRY: AUSTRALIA

Date Logged: 24–Nov–2009

Date Processed:

25–Nov–2009

FOLD HERE

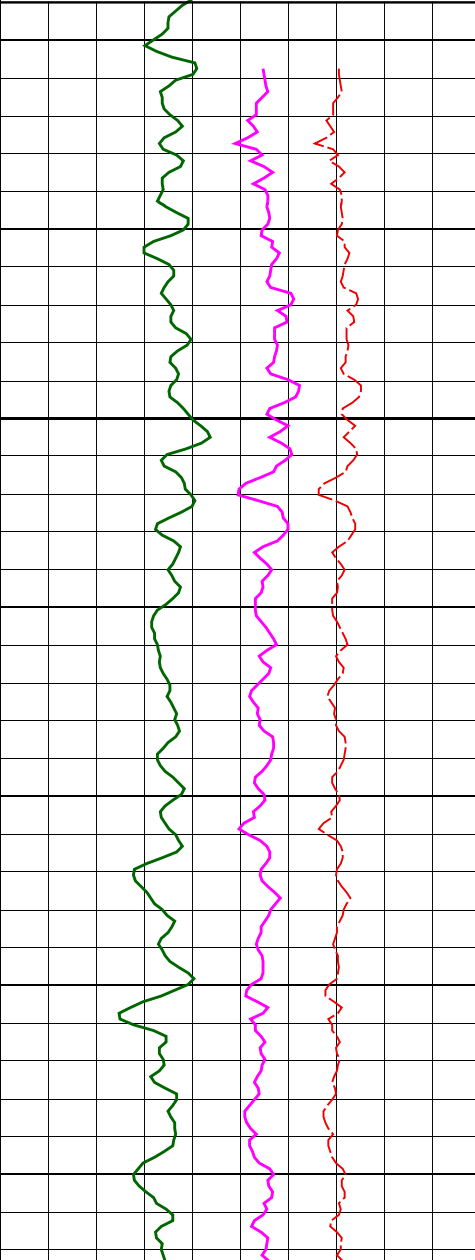
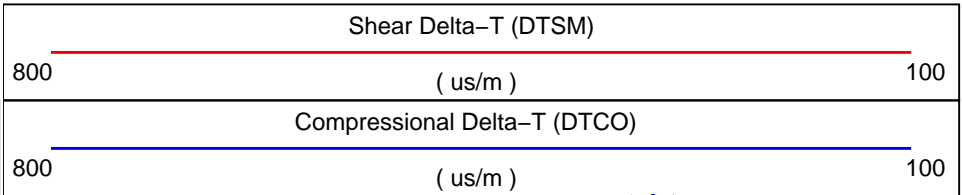
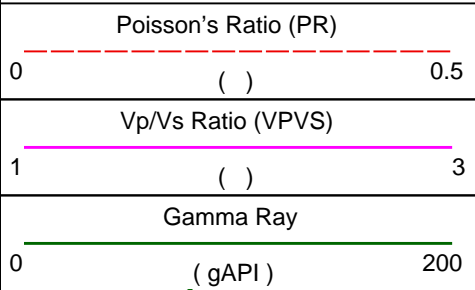
The well name, location and borehole reference data were furnished by the customer.

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.

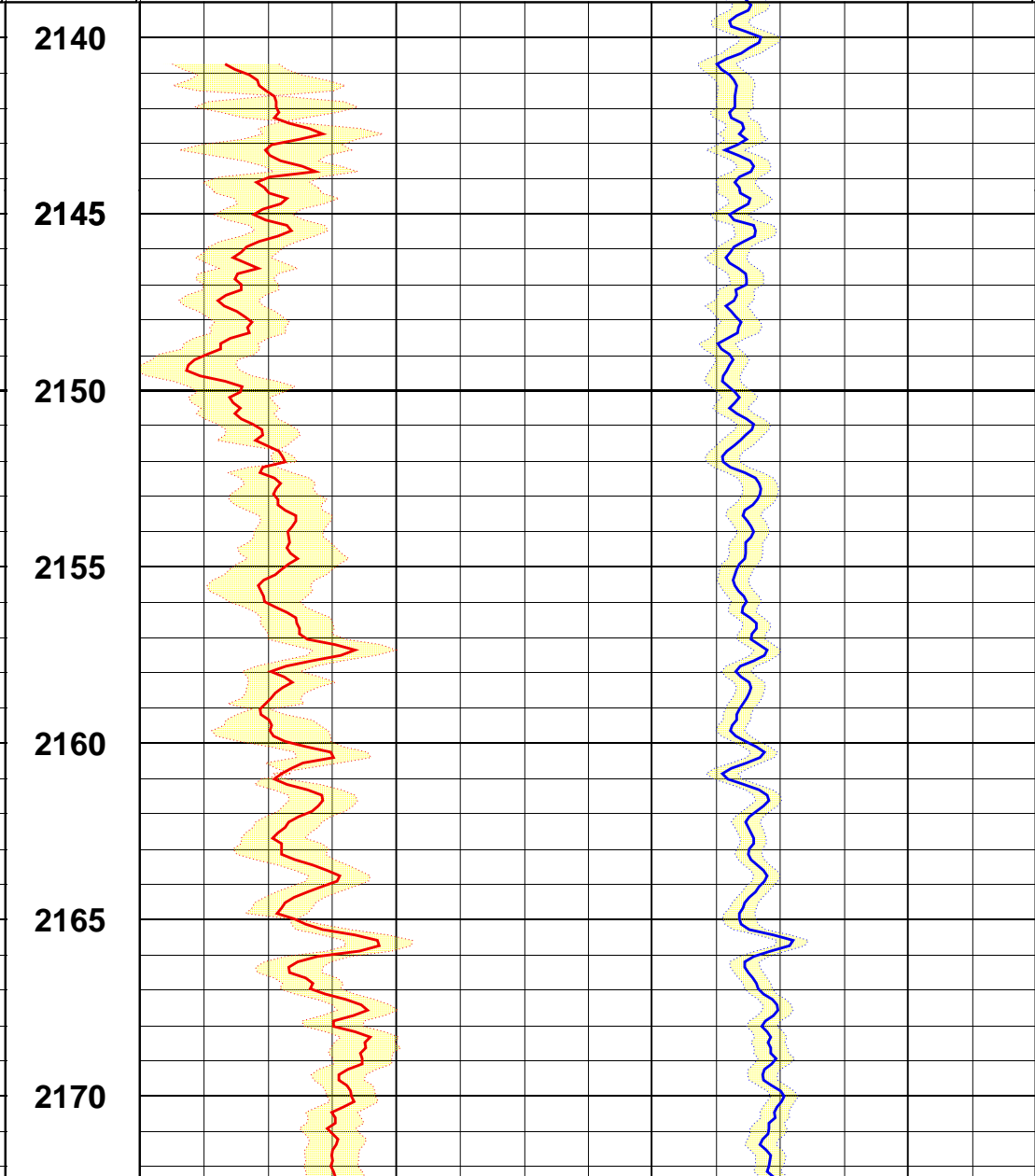
Field Recording:	Location:	Software Version: 14C0–108	Engineer: MRG/DP/WC
Office Recording:	ICS Center: Melbourne	Baseline: GF 4.4 DC5	Log Analyst: A. Datey
Mud and Borehole Measurements:			
Rm @ Measured Temperature:	@	BHT:	Bitsize: 9.875in
Rmf @ Measured Temperature:	@	Type Fluid in Hole:	SBM
Rmc @ Measured Temperature:	@	Mud Density: 1.40197g/cm3	

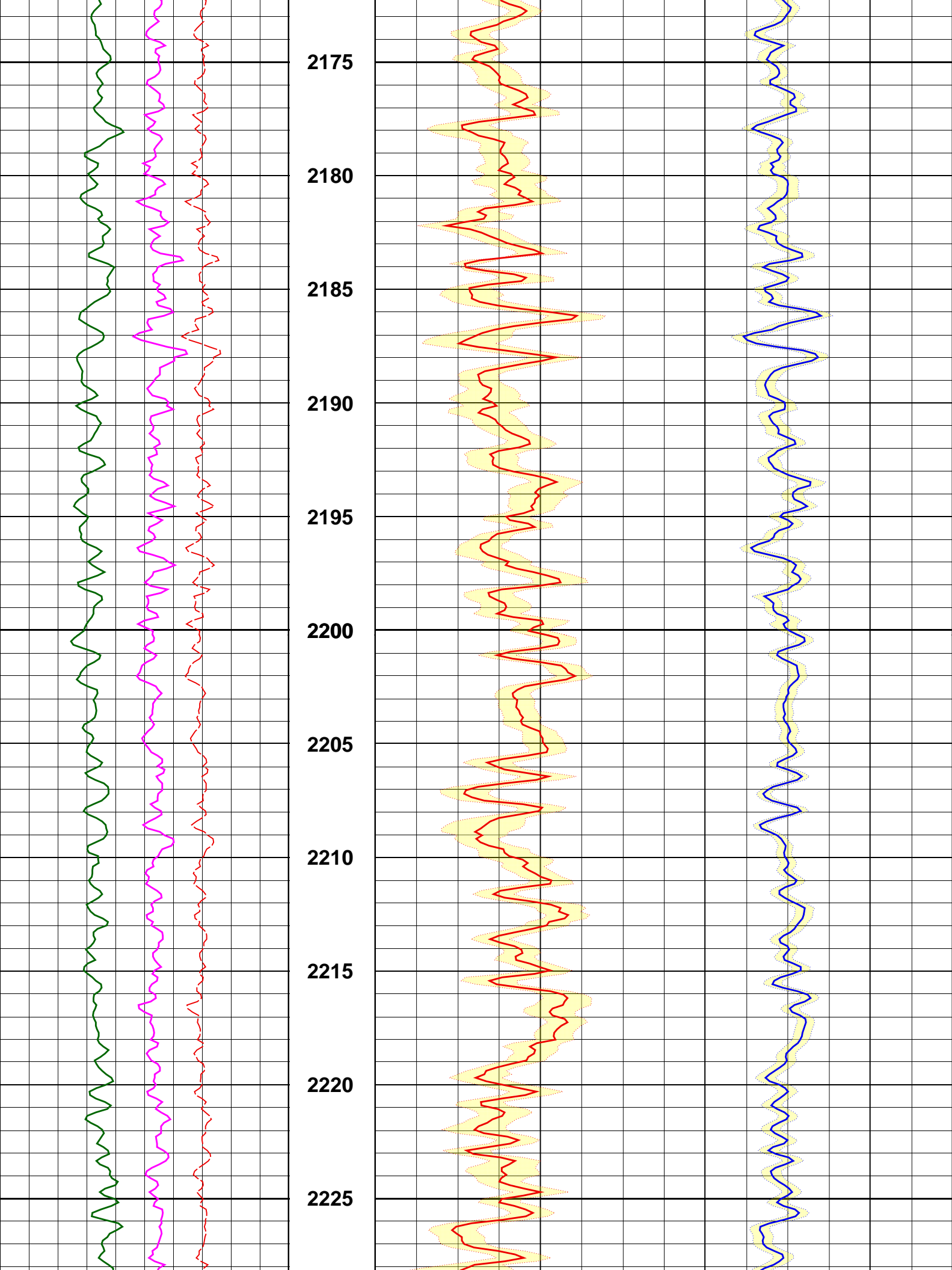
Remarks:

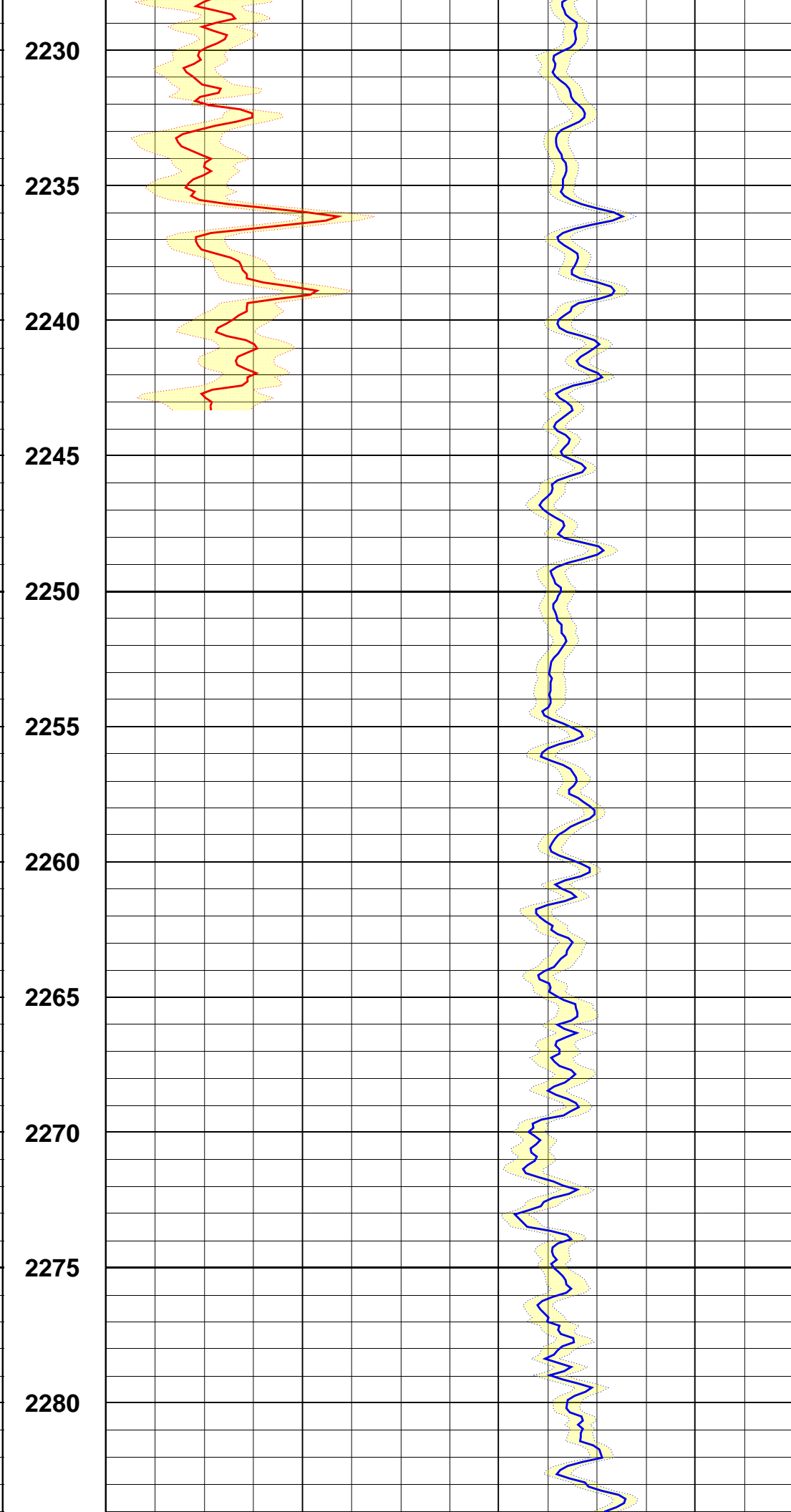
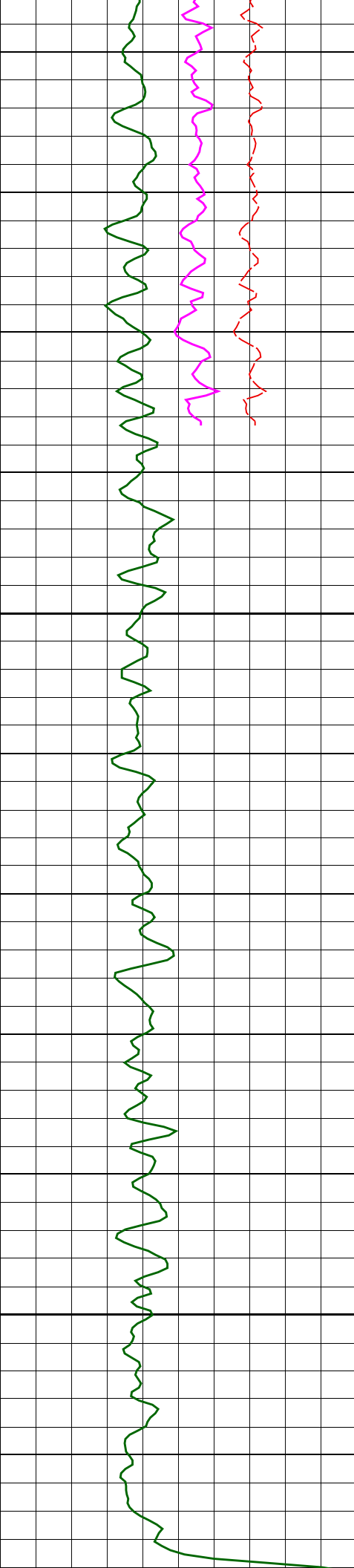
sonicVision6 run in 9 7/8" hole size.
See bottom of the QC log for processing parameters.

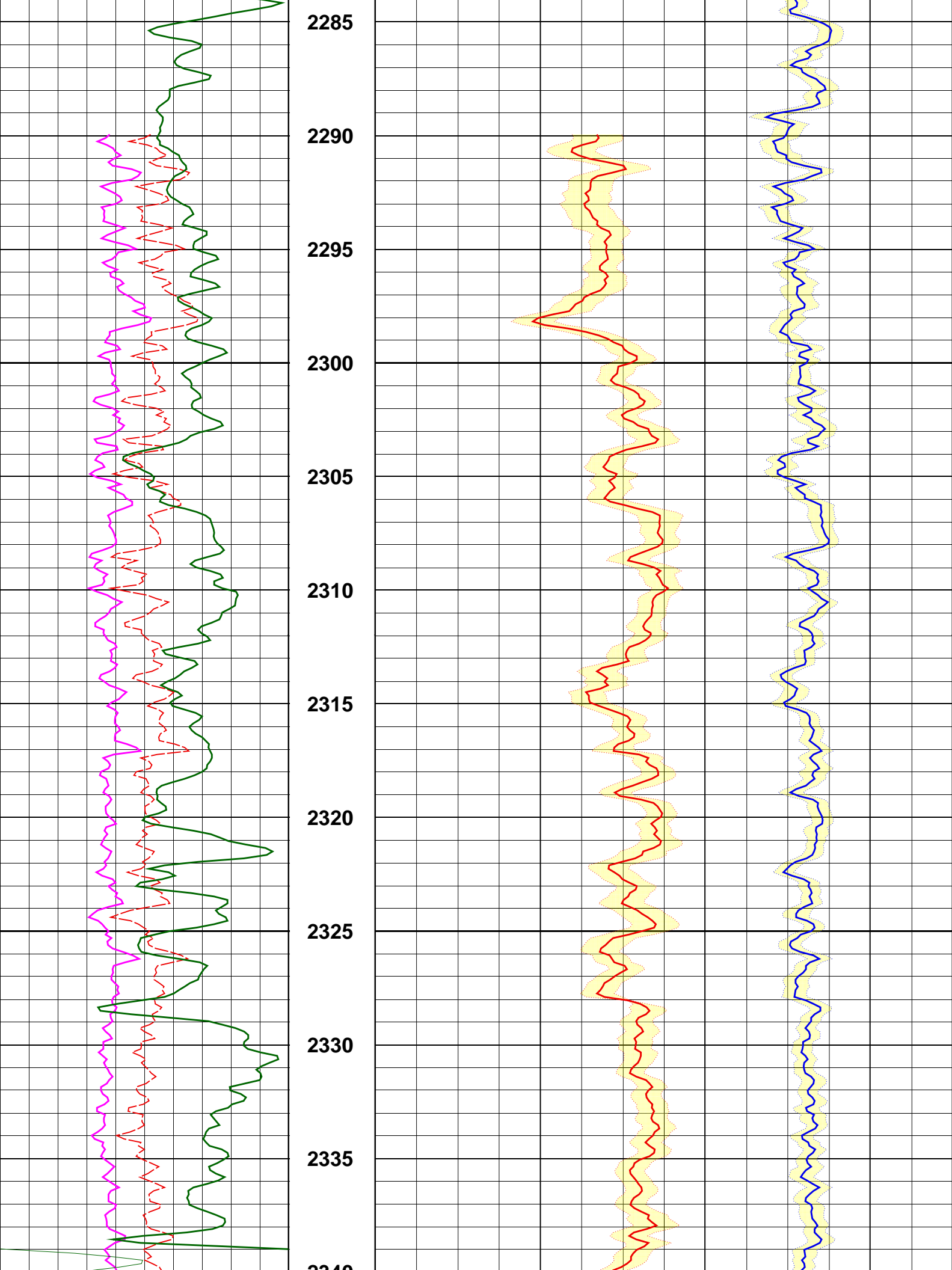


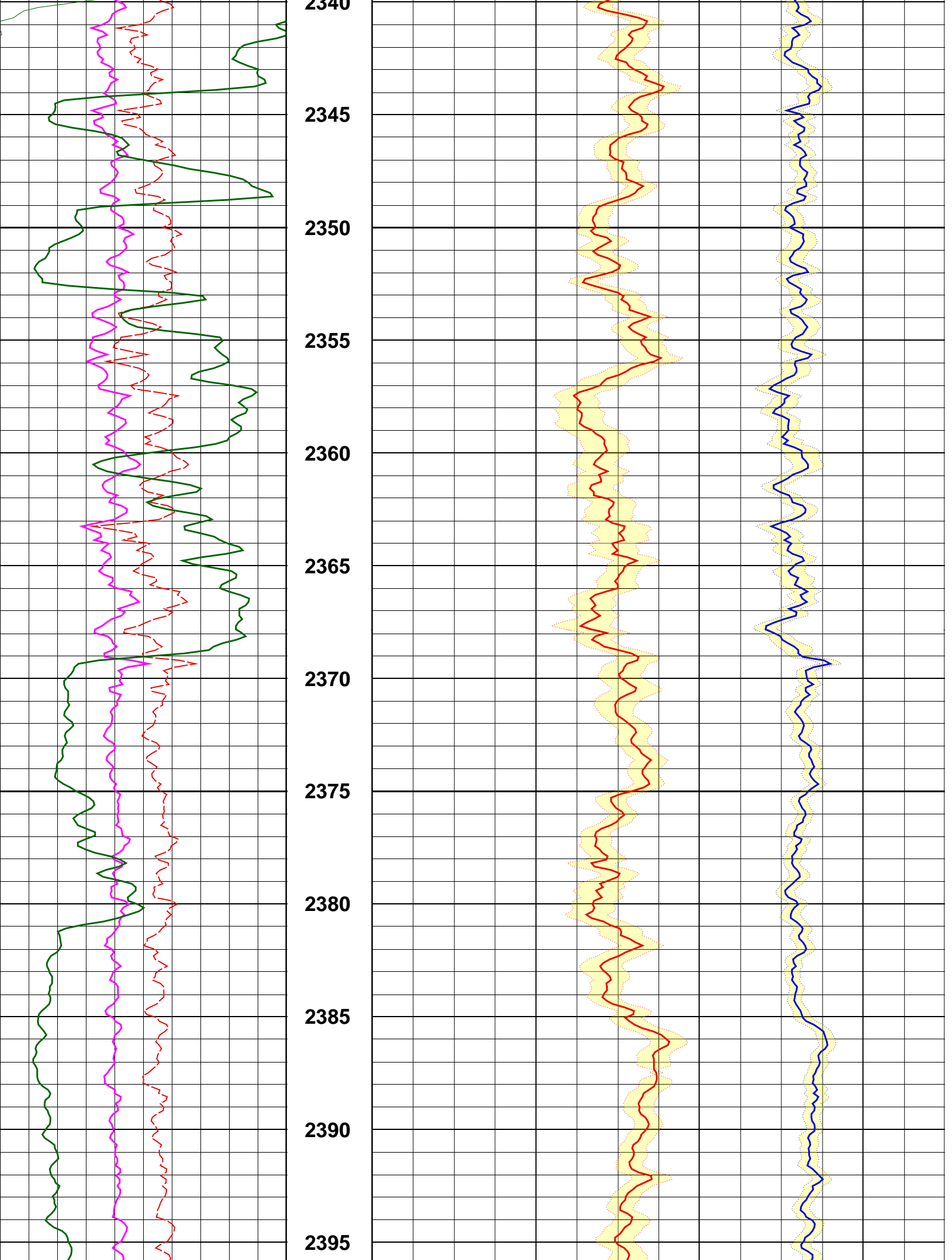
MD
1 : 200
m

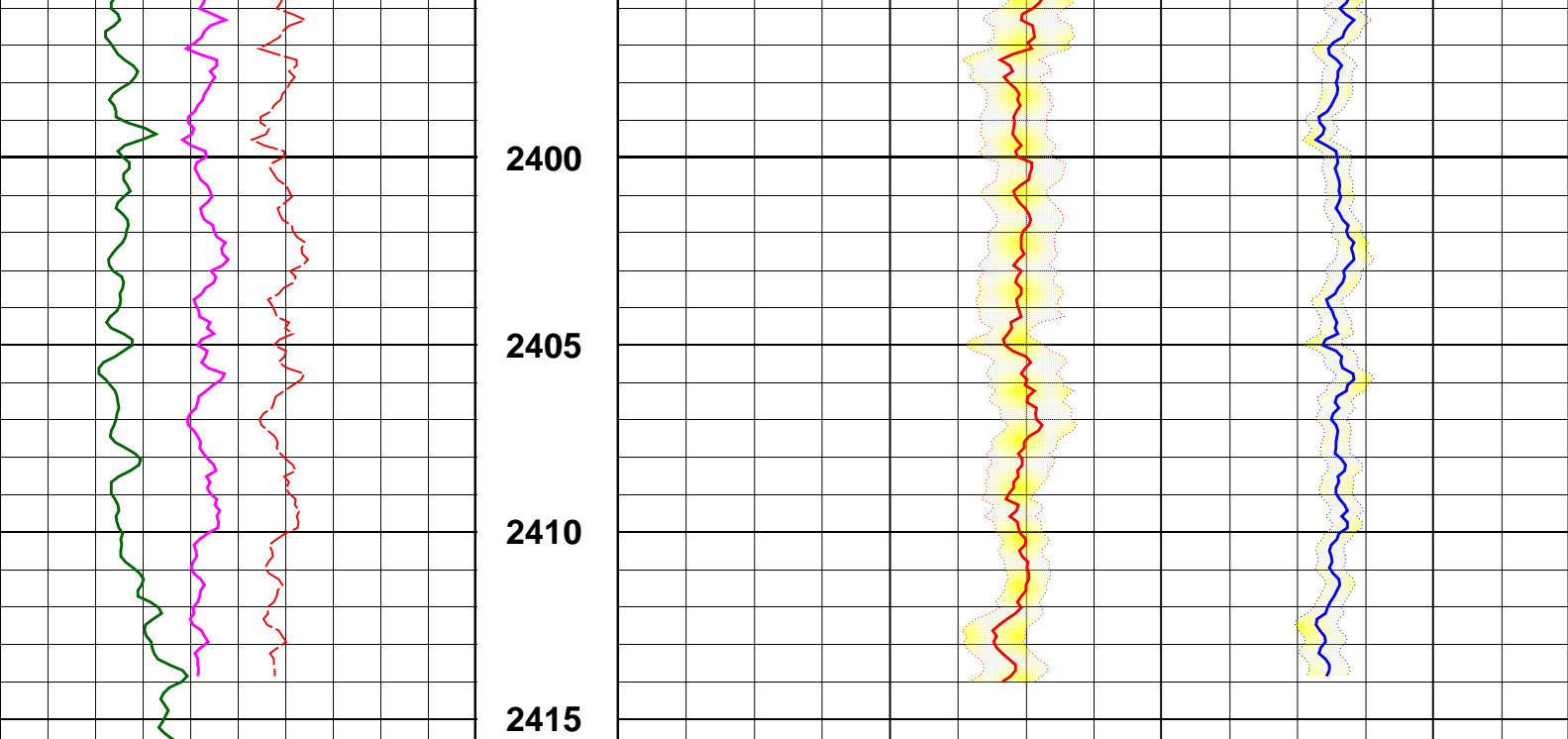






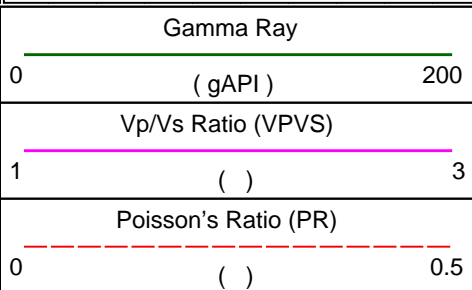




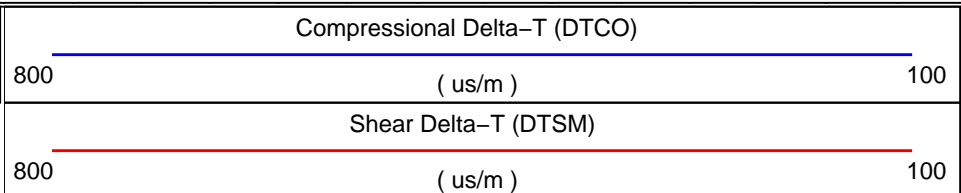


--- Finalization Result ---

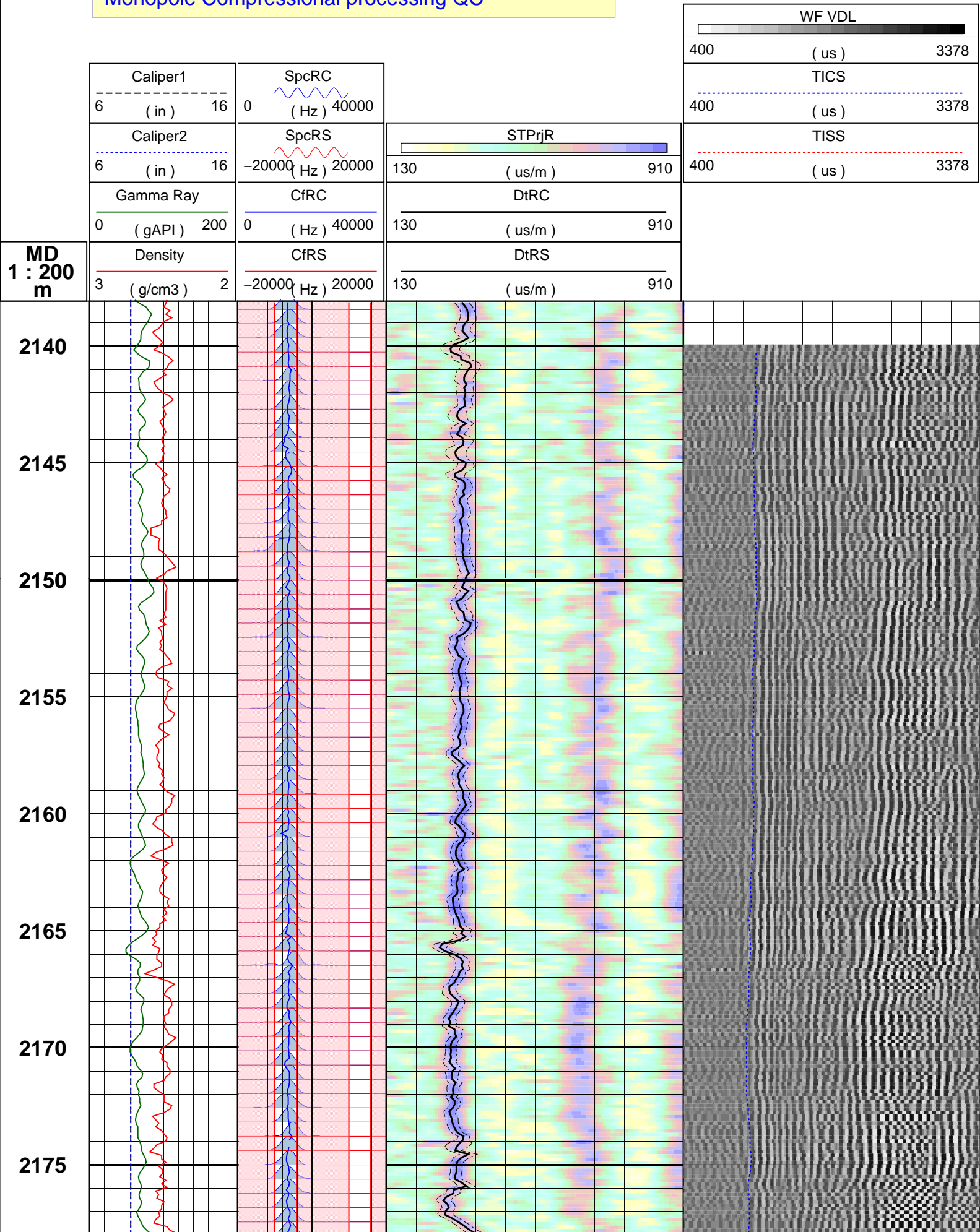
1	MPS Compressional	Receiver	Absent levels=	4	
1	MPS Compressional	Transmitter	Absent levels=	17	
2	MPS Compressional	Receiver	Absent levels=	1799	
2	MPS Compressional	Transmitter	Absent levels=	1819	
1	MPS Shear	Receiver	Absent levels=	1799	
1	MPS Shear	Transmitter	Absent levels=	1819	
2	MPS Shear	Receiver	Absent levels=	358	
2	MPS Shear	Transmitter	Absent levels=	423	
1	MPS Compressional	DDBHC	Absent levels=	8	*Selected*
2	MPS Compressional	DDBHC	Absent levels=	1819	
1	MPS Shear	DDBHC	Absent levels=	1819	
2	MPS Shear	DDBHC	Absent levels=	345	*Selected*

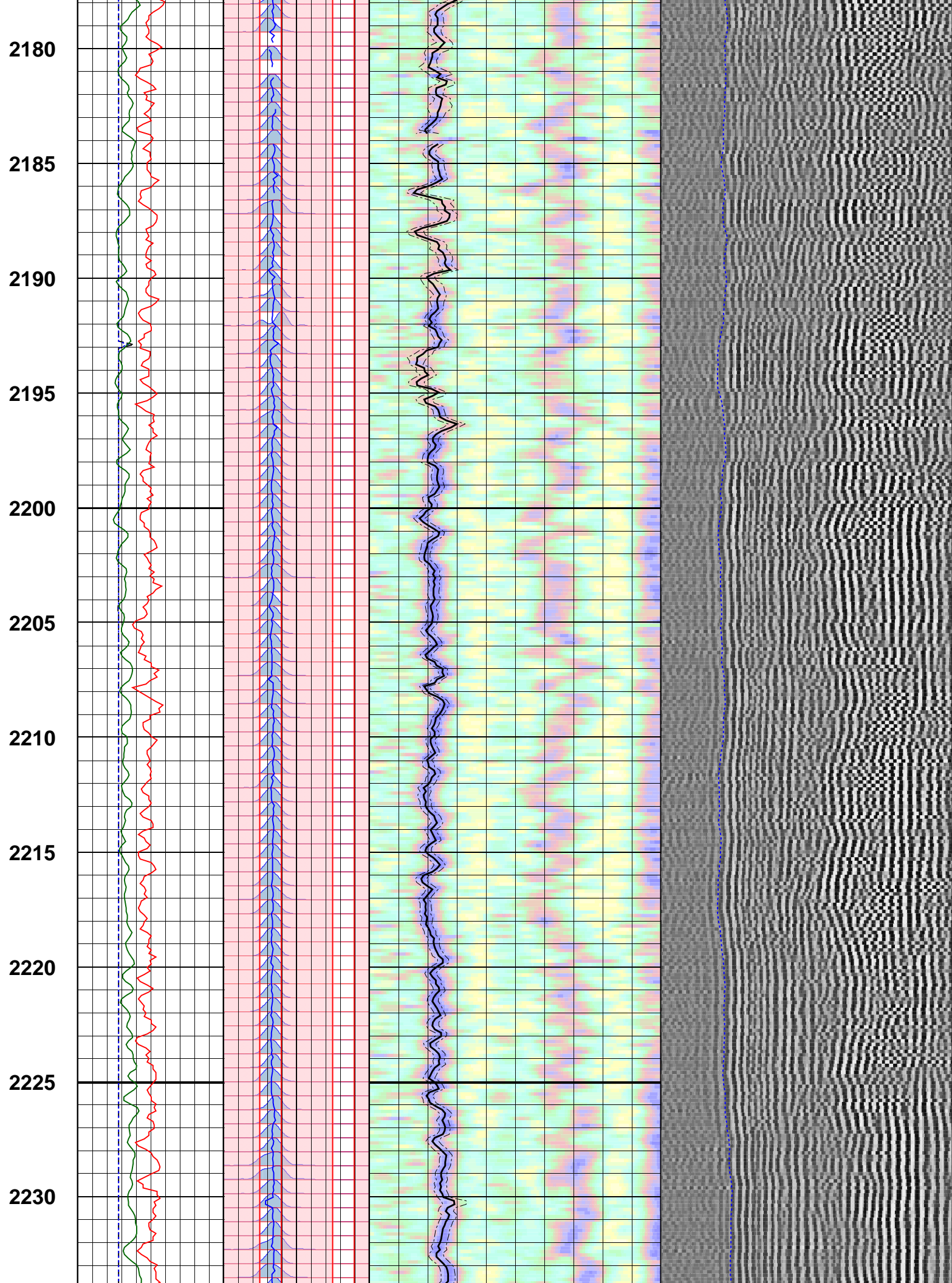


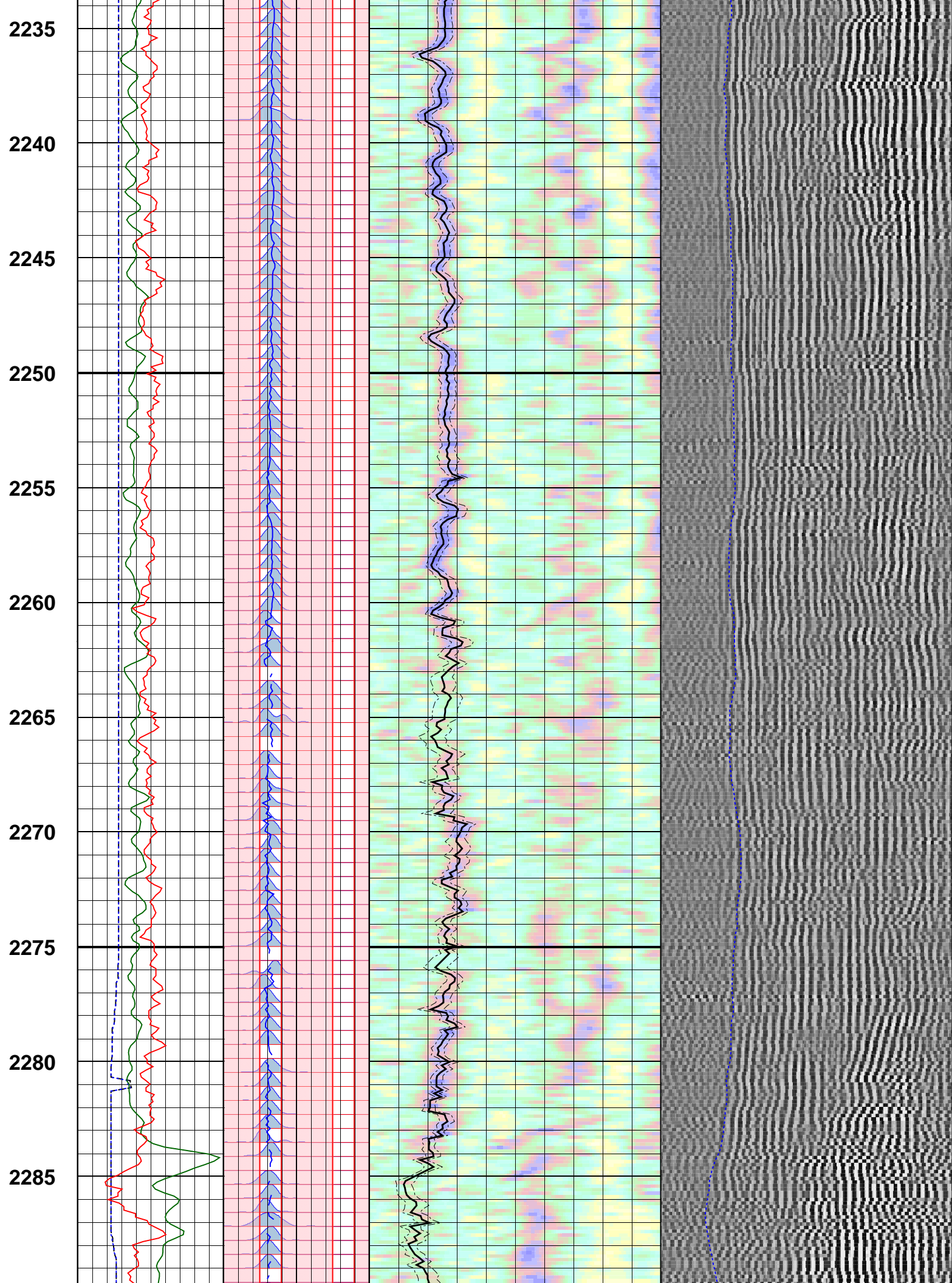
MD
1 : 200
m

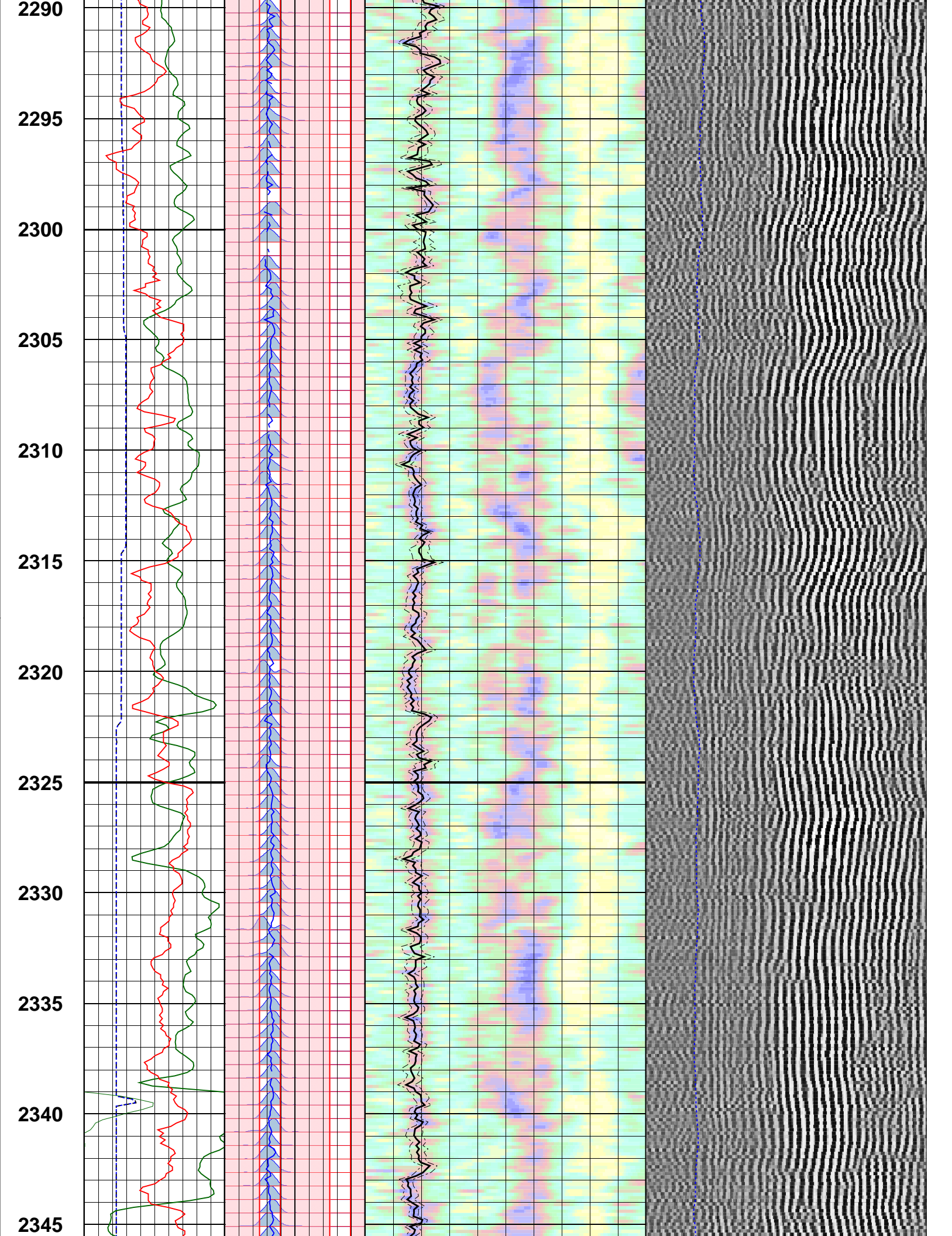


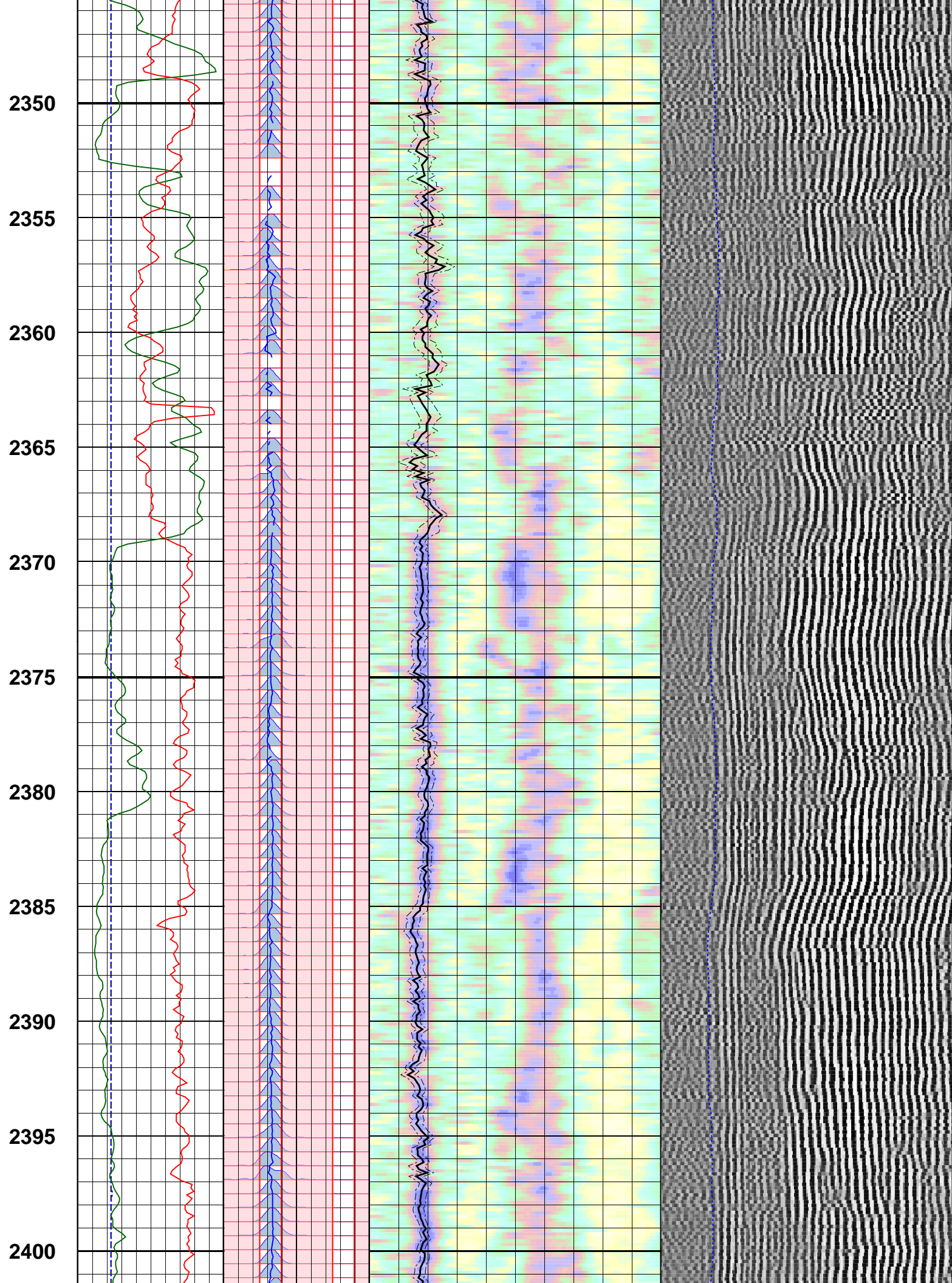
Monopole Compressional processing QC

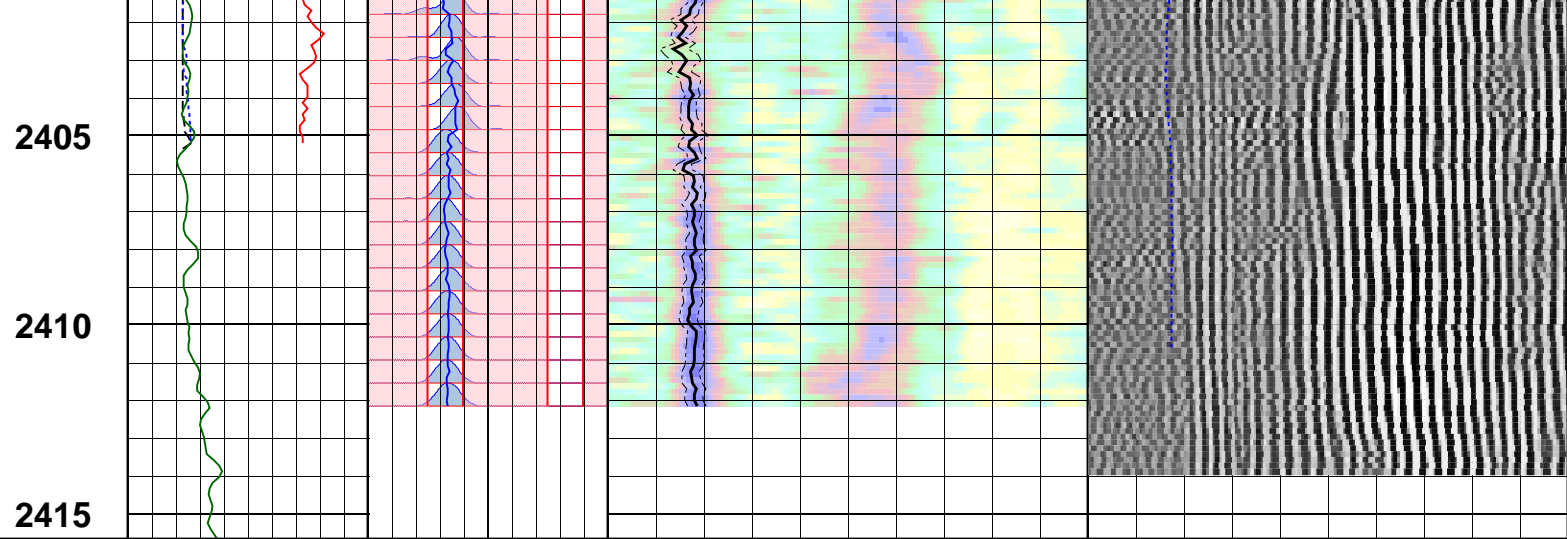












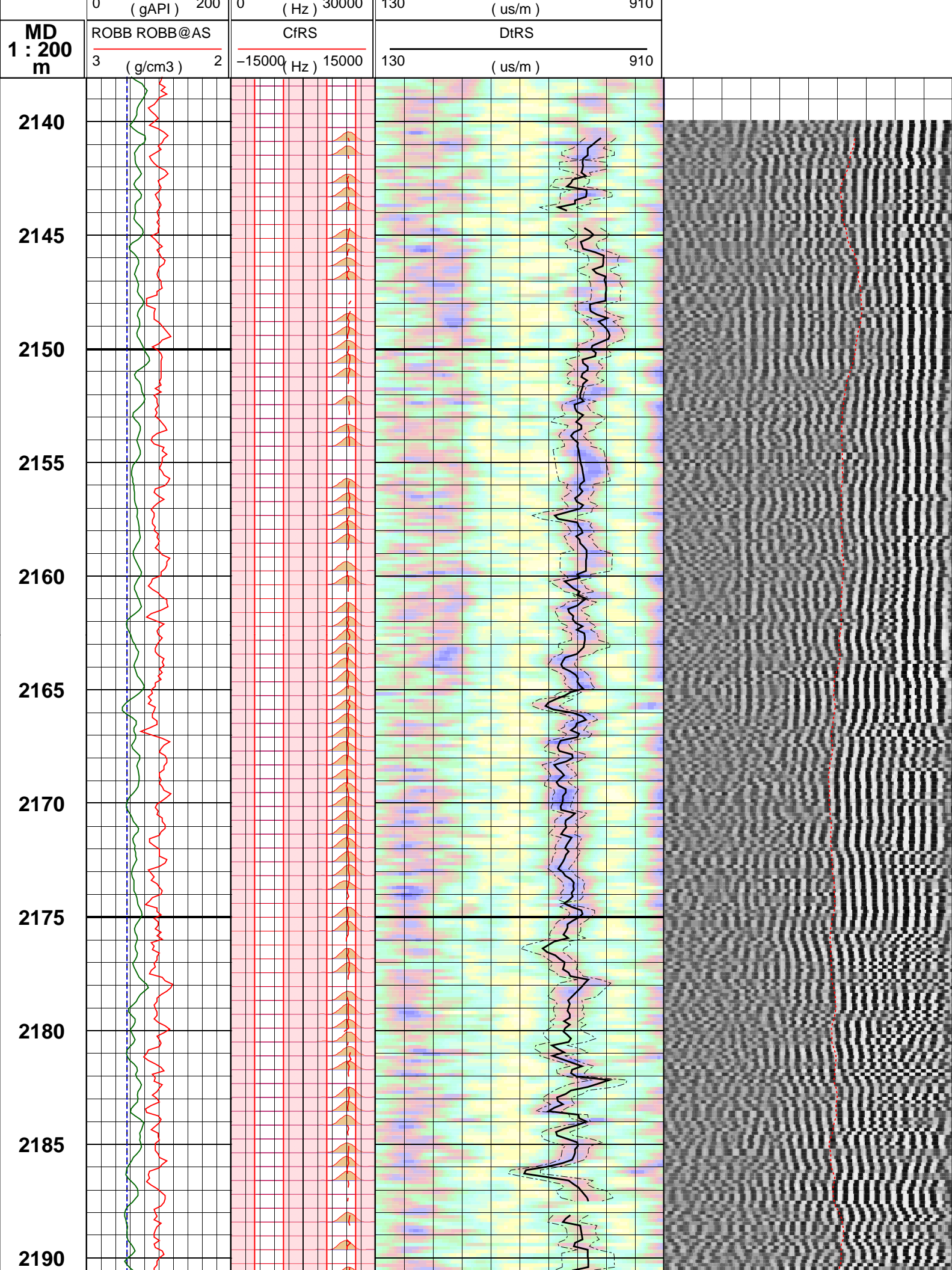
Customized Process: Start Depth (2415.14 m), Stop Depth (2138.07 m), Logging Mode (sonicVISION – MPS_WIDE)
 Noise Cut Filtering(Yes – Median Residual, WS 720), Casing Cut Filtering(No)
 WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), STCAL(Full Array), ENE_THRE_FLG(NO)
 TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
 Mud Slowness (no input)
 Hole Diameter (no input)
 Zoning Guide (DTBC@Run_1;1 (1999.79 – 2412.19 m))
 Tracking Guide (no input)

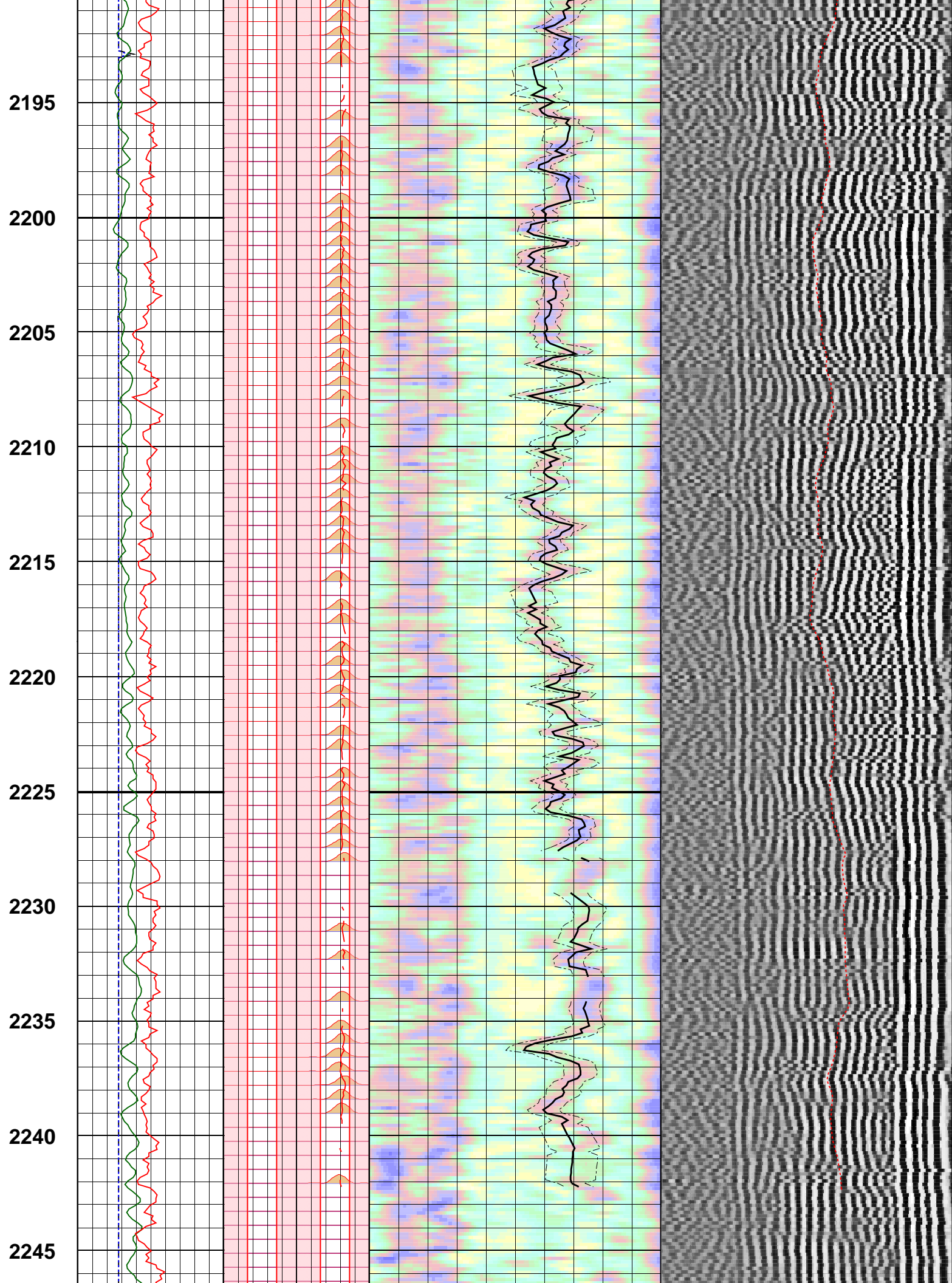
---- Zone Top Depth (0), Zone Name (Zone1) ----
 SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(9.875), DTMUD(787.402*)
 TWI(238.281), SLL(130.294), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
 SBW(1120), SBO(160), SWD(65.6168), TWD(840), SEM(0.45), FLENG(63), FLOW(10000), FHIGH(16000)
 TKO_MODEL_ORDER(2), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)

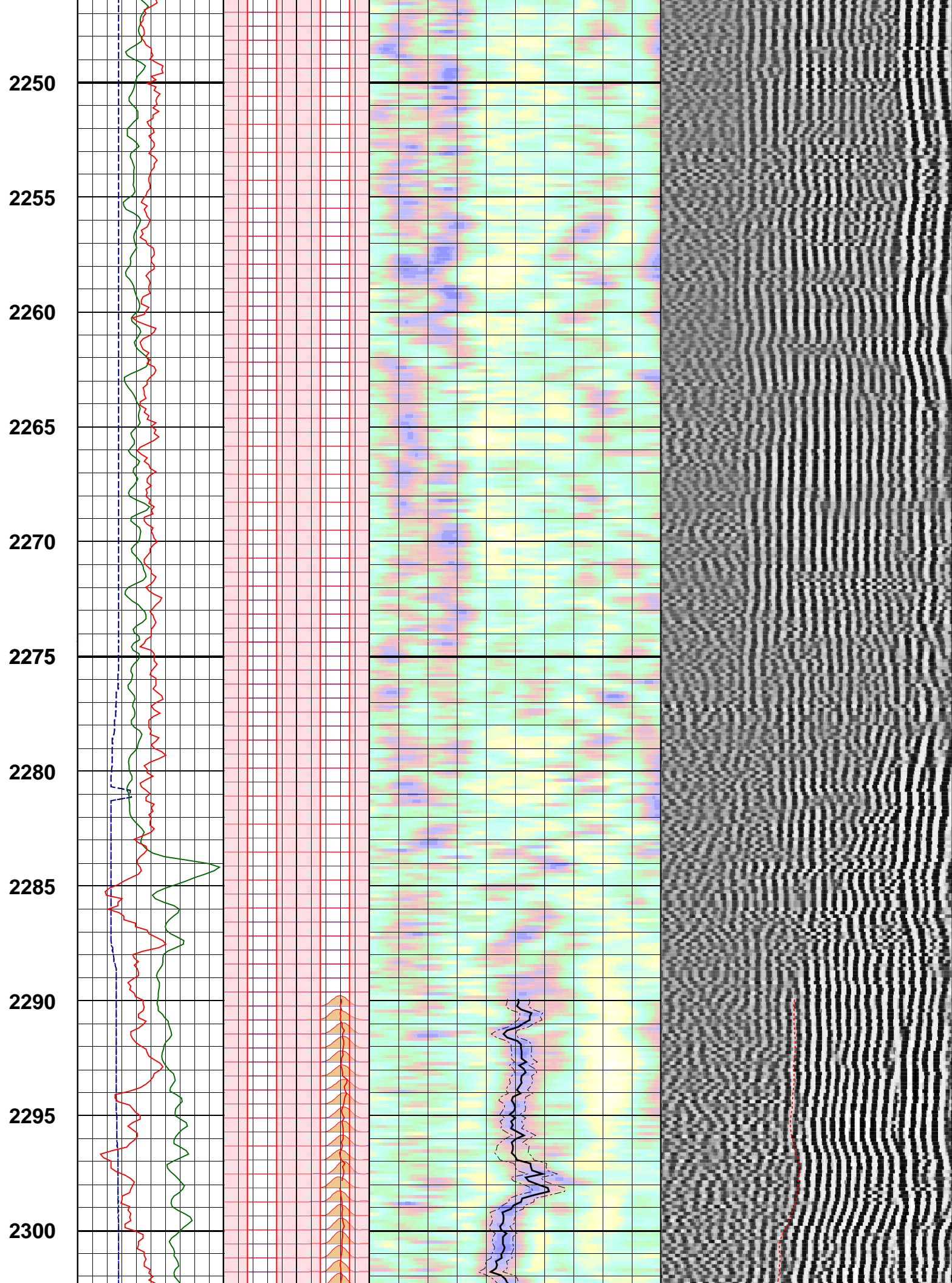
MD 1 : 200 m	Density	CfRS	DtRS		
	3 (g/cm3) 2	-20000 (Hz) 20000	130 (us/m) 910		
	Gamma Ray	CfRC	DtRC		
	0 (gAPI) 200	0 (Hz) 40000	130 (us/m) 910		
	Caliper2	SpcRS	STPrjR	TISS	
	6 (in) 16	-20000 (Hz) 20000	130 (us/m) 910	400 (us)	3378
	Caliper1	SpcRC		TICS	
	6 (in) 16	0 (Hz) 40000		400 (us)	3378
				WF VDL	
				400 (us)	3378

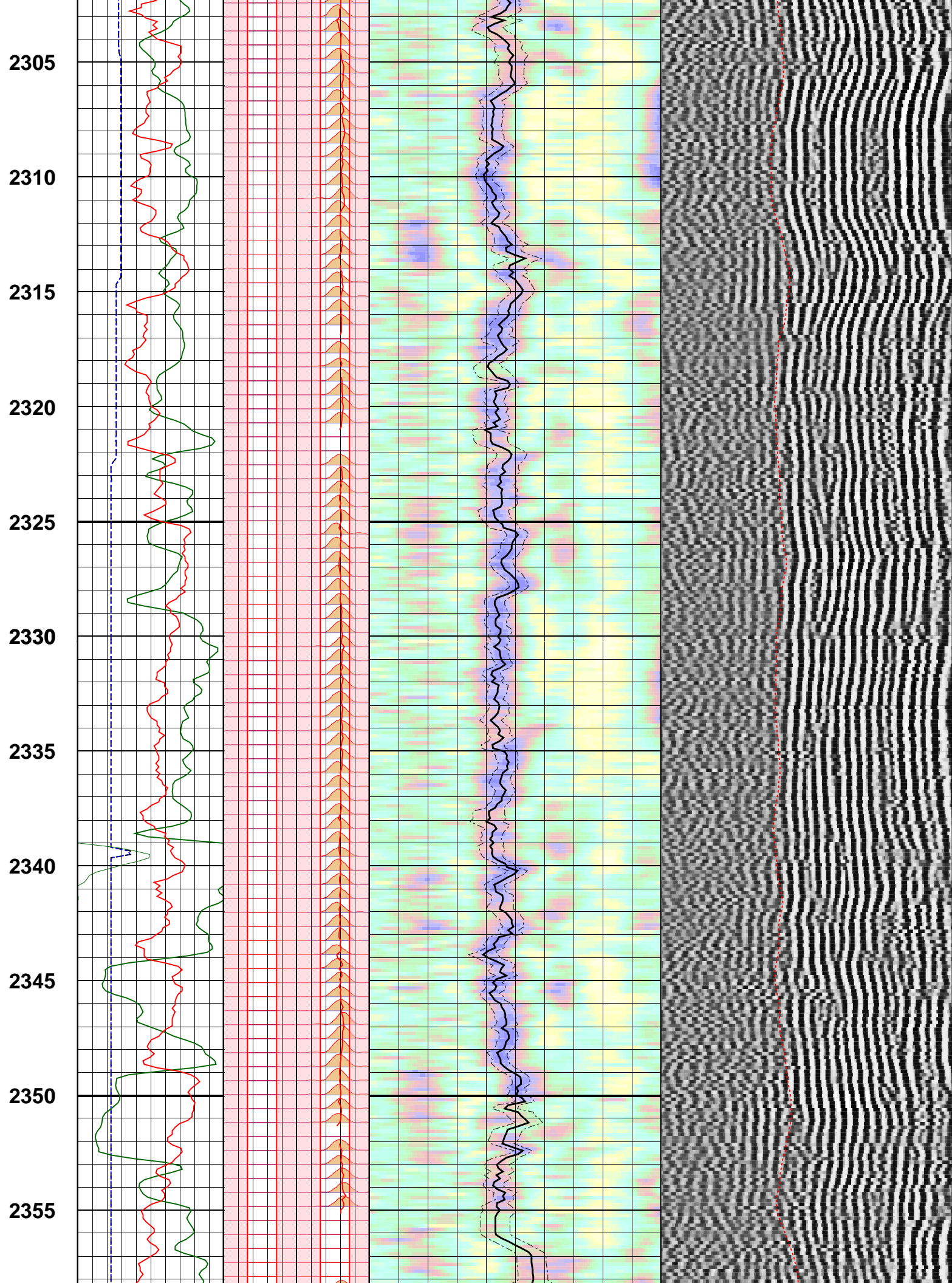
Monopole Shear processing QC

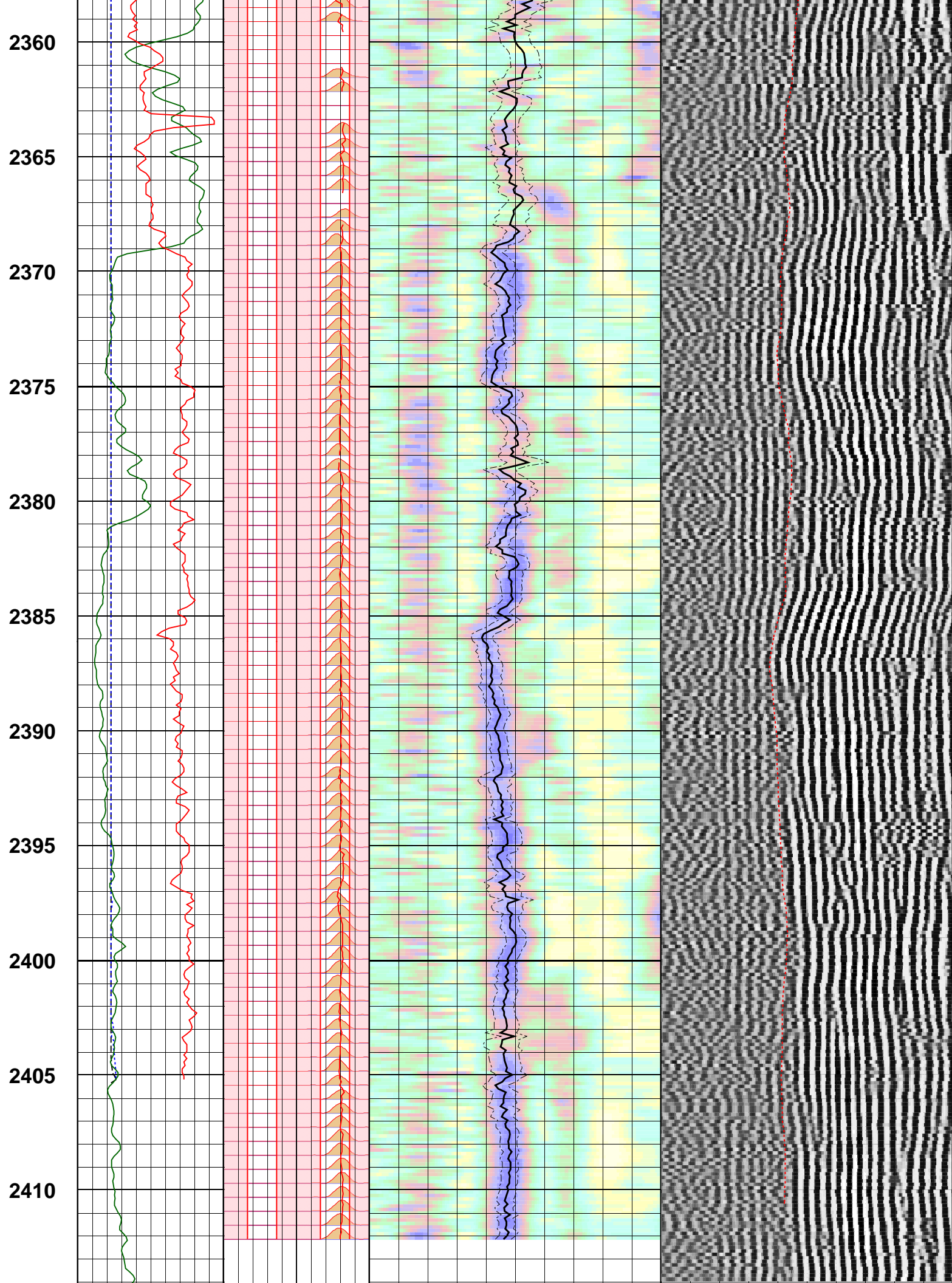
		WF VDL			
				400 (us)	3378
				TICS	
				400 (us)	3378
				TISS	
				400 (us)	3378
Caliper1	SpcRC				
6 (in) 16	0 (Hz) 30000				
Caliper2	SpcRS	STPrjR			
6 (in) 16	-15000 (Hz) 15000	130 (us/m) 910			
Gamma Ray	CfRC	DtRC			
0 (gAPI) 200	0 (Hz) 40000	130 (us/m) 910			





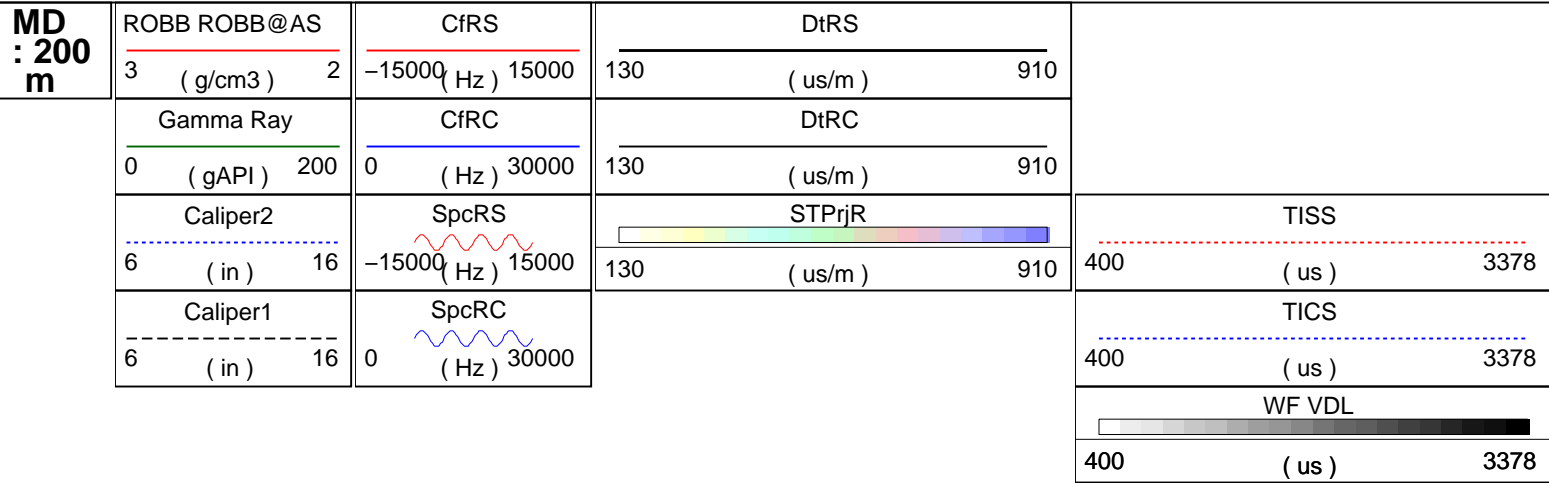






Customized Process: Start Depth (2415.14 m), Stop Depth (2138.07 m), Logging Mode (sonicVISION – MPS_WIDE)
Noise Cut Filtering(Yes – Median Residual, WS 720), Casing Cut Filtering(No)
WF_FLG(1 1 1 1), MUD_TYPE(Slow OBM), STCAL(Full Array), ENE_THRE_FLG(NO)
TRSPAC(3.00228), RRSPAC(0 0.2032 0.4064 0.6096)
Mud Slowness (no input)
Hole Diameter (no input)
Zoning Guide (no input)
Tracking Guide (no input)

--- Zone Top Depth (0), Zone Name (Zone1) ---
SFTY(Intermediate), BHS(OPEN), CSIZ(7), HDM(Fix*), HD(9.875), DTMUD(787.402*)
TWI(277.995), SLL(130.294*), SUL(918.571), SST(6.51469), TLL(400), TUL(3378.52), TST(39.7135)
SBW(1200), SBO(760*), SWD(65.6168*), TWD(840), SEM(0.45), FLENG(47), FLOW(5000*), FHIGH(11000*)
TKO_MODEL_ORDER(2*), TKO_TOL(50) TKO_FLOW(0), TKO_FHIGH(12000)



Company: ESSO Australia Pty Ltd

Well: WKF W12A

FIELD: WEST KINGFISH

STATE: VIC

Date Logged: 24–Nov–2009

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