

Input DLIS Files

RTB

SONIC_HRLA_TLD_MCFL_014LUP FN:32

PRODUCER

20-May-2008 04:40

1761.0 M

689.2 M

Output DLIS Files

DEFAULT

SONIC_HRLA_TLD_MCFL_004PUP FN:39

PRODUCER

20-May-2008 06:07

1761.0 M

1295.4 M

CUSTOMER

SONIC_HRLA_TLD_MCFL_004PUC FN:40

CUSTOMER

20-May-2008 06:07

1761.0 M

1295.4 M

Integrated Hole/Cement Volume Summary

Hole Volume = 39.33 M3
Cement Volume = 17.53 M3 (assuming 9.63 IN casing O.D.)
Computed from 1759.9 M to 1295.6 M using data channel(s) HCAL

OP System Version: 15C0-309
MCM

DSLTT-FTB

15C0-309

HRLT-B

15C0-309

HILTB-FTB

SRPC-3582-Q1_2008_OP15_b

DTC-H

15C0-309

BSP

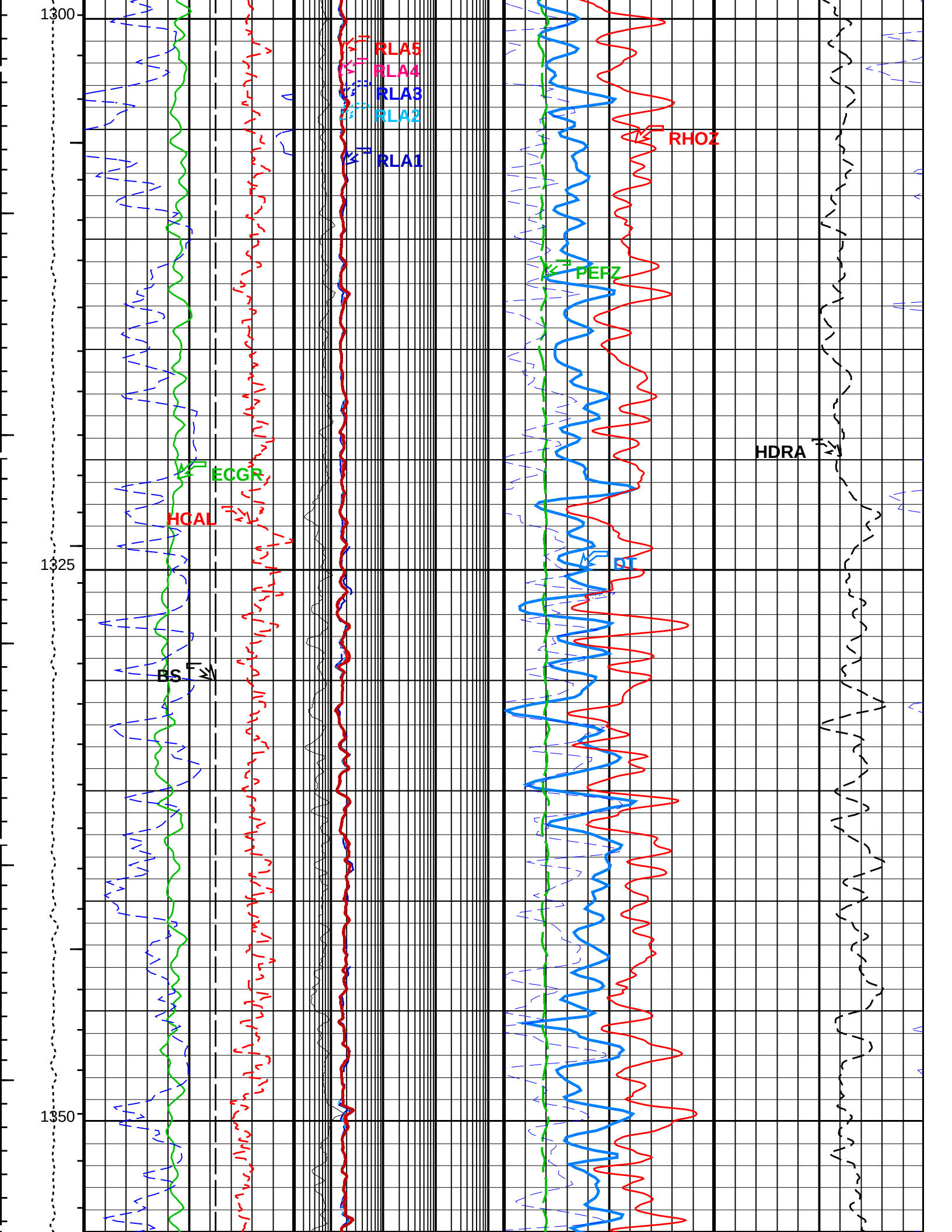
15C0-309

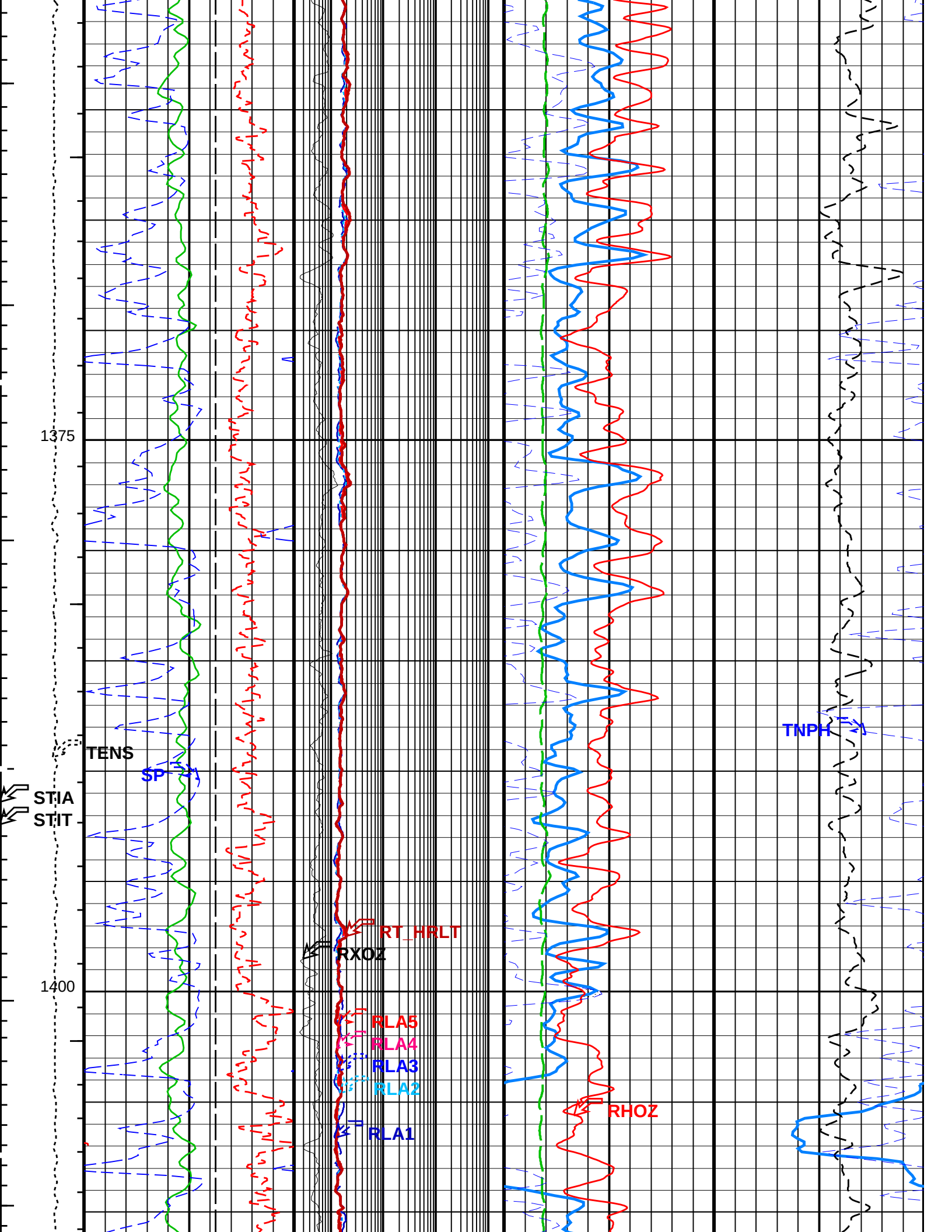
PIP SUMMARY

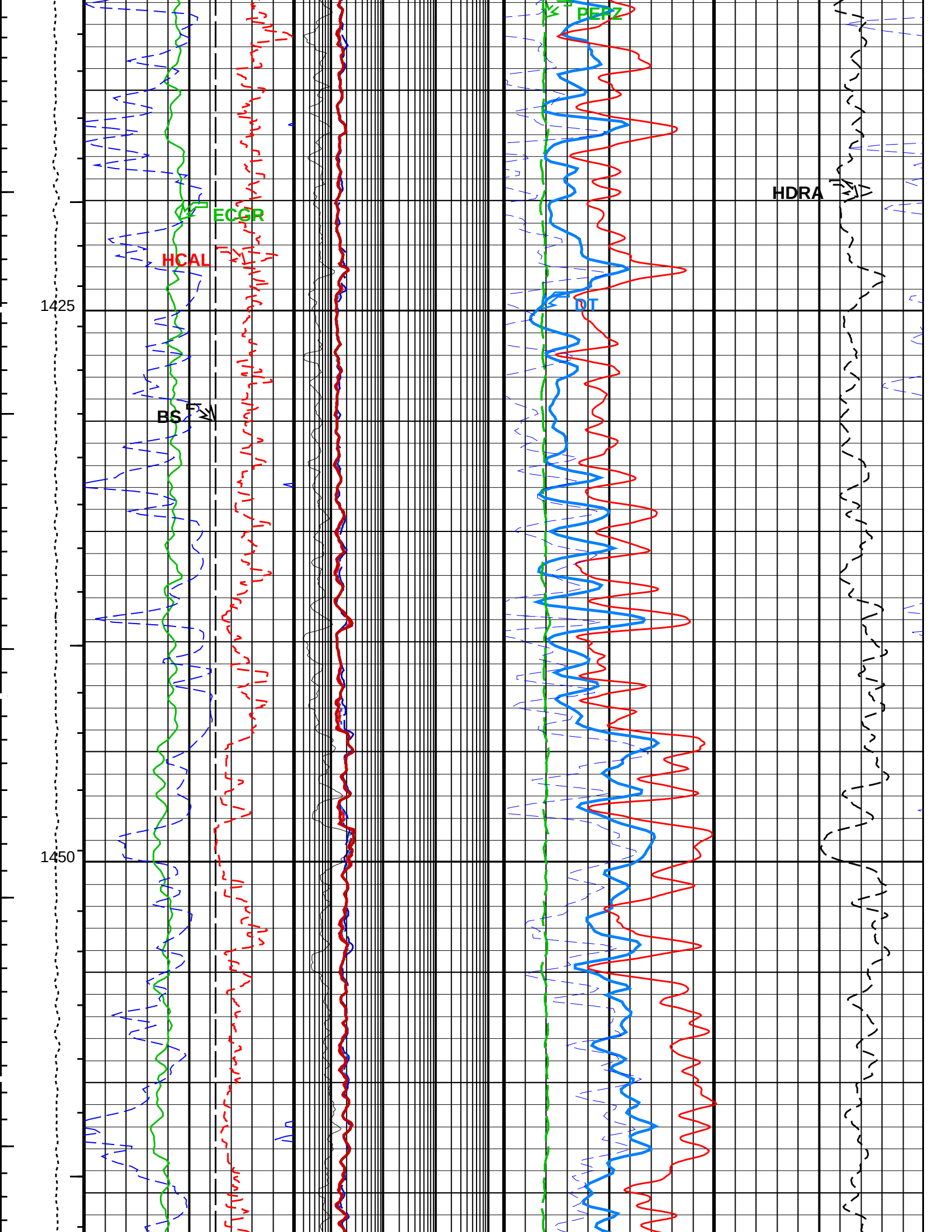
- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
 - Integrated Cement Volume Minor Pip Every 0.1 M3
 - Integrated Cement Volume Major Pip Every 1 M3
- Time Mark Every 60 S

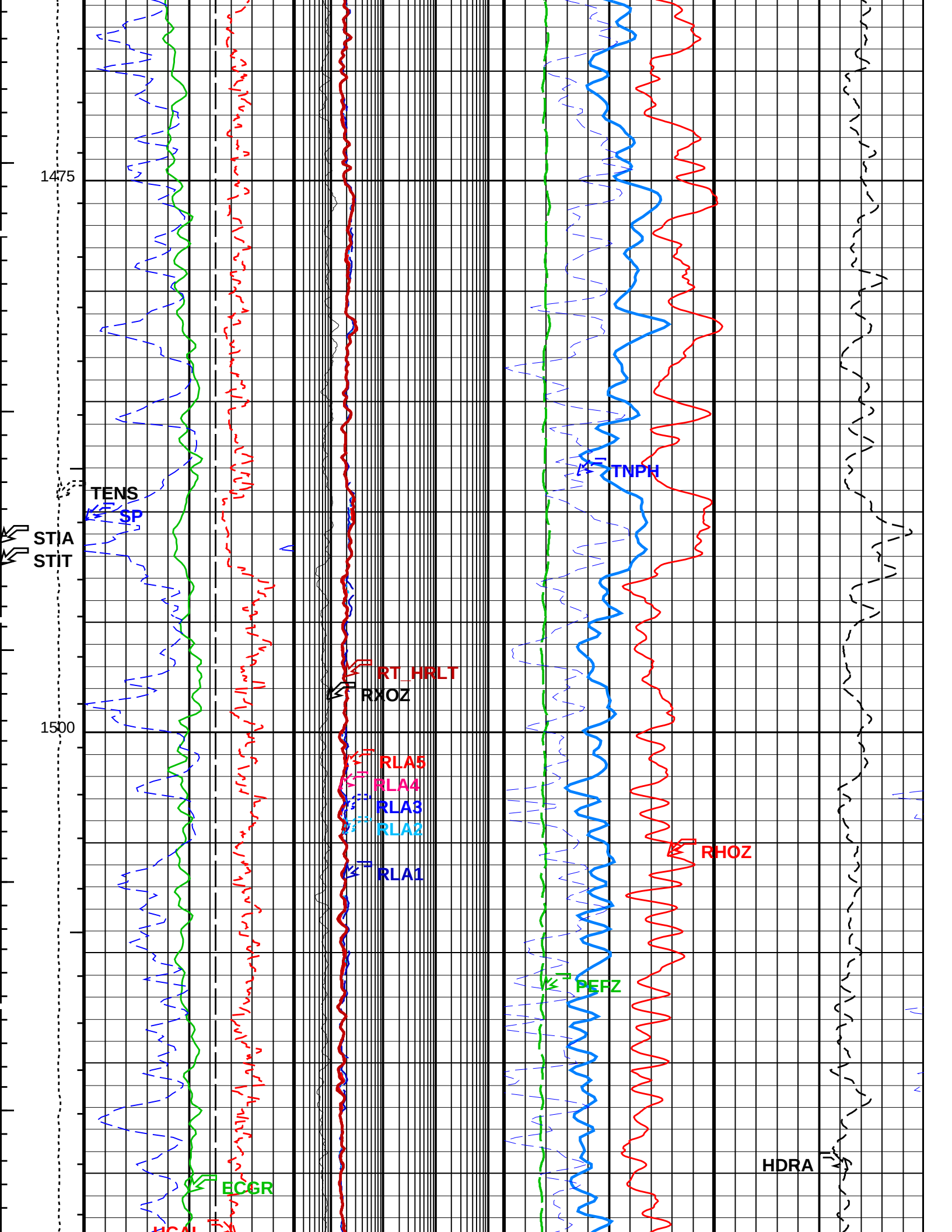
		HRLT True Resistivity (RT_HRLT)			
		0.2	(OHMM)	2000	
		Std. Res. Invaded Zone Resistivity (RXOZ)			
		0.2	(OHMM)	2000	
Stuck Tool Indicator, Adjusted (STIA)	Area From HCAL to BS	HRLT Resistivity 5 (RLA5)		Sand From RHOZ to TNPH	
0 (M) 20		0.2	(OHMM)	2000	
Tool/Tot. Drag From D4T to STIA	SP (SP) (MV)	HRLT Resistivity 4 (RLA4)		Env.Corr.Thermal Neutron Porosity (TNPH) (V/V)	
-80 20		0.2	(OHMM)	2000	0.45 -0.15
Cable Drag From D4T to STIT	Gamma Ray (ECGR) (GAPI)	HRLT Resistivity 3 (RLA3)		Std. Res. Formation Density (RHOZ) (G/C3)	
0 200		0.2	(OHMM)	2000	1.95 2.95
Stuck Stretch (STIT)	HILT Caliper (HCAL) (IN)	HRLT Resistivity 2 (RLA2)		Std. Res. Formation Pe (PEFZ) (----- 10)	Density Correction (HDRA) (G/C3)
6 16		0.2	(OHMM)	2000	-0.25 0.25
Tension (TENS) (LBF)	Bit Size (BS) (IN)	HRLT Resistivity 1 (RLA1)		Delta-T (DT) (US/F)	
6 16		0.2	(OHMM)	2000	140 40

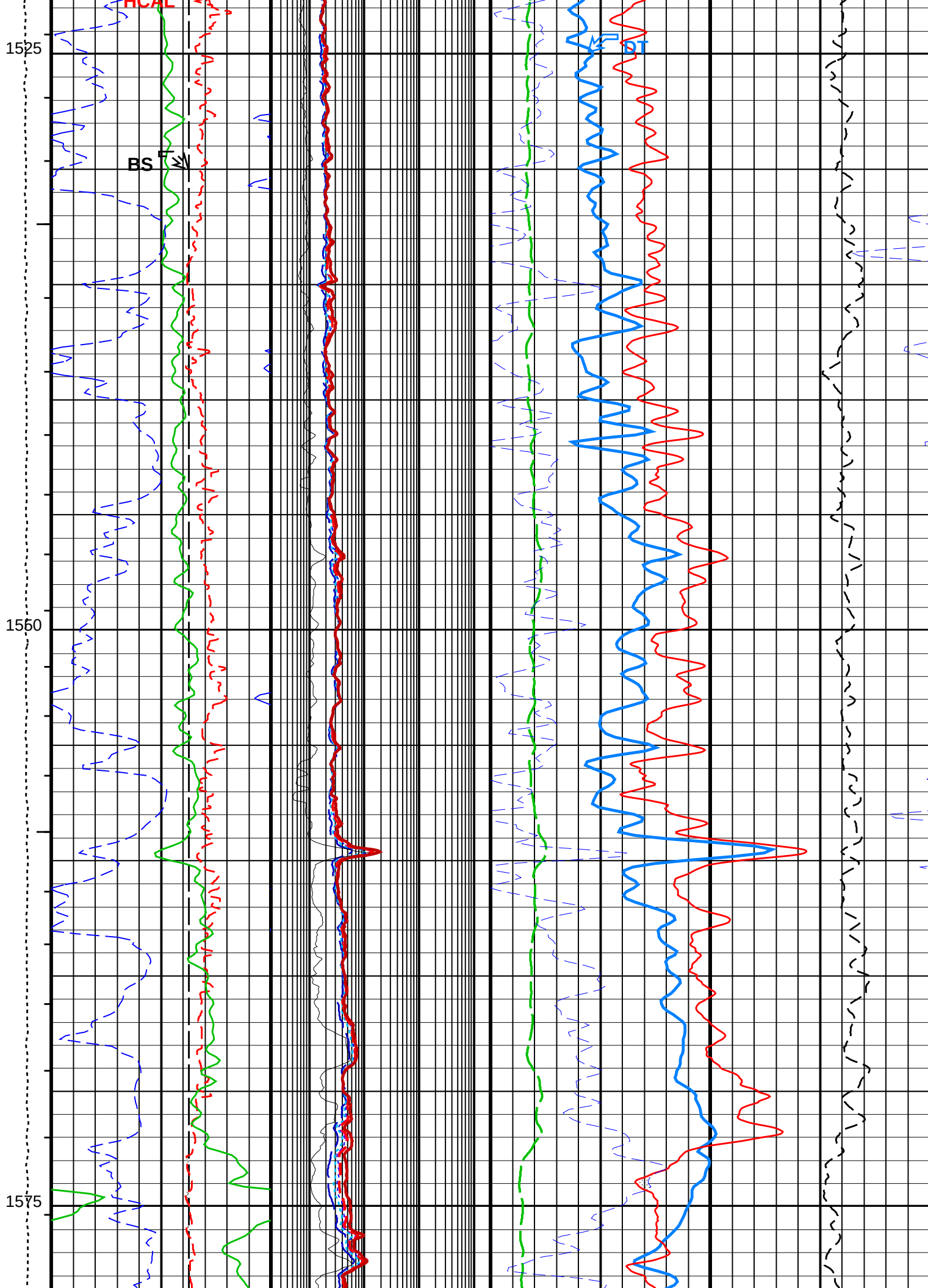


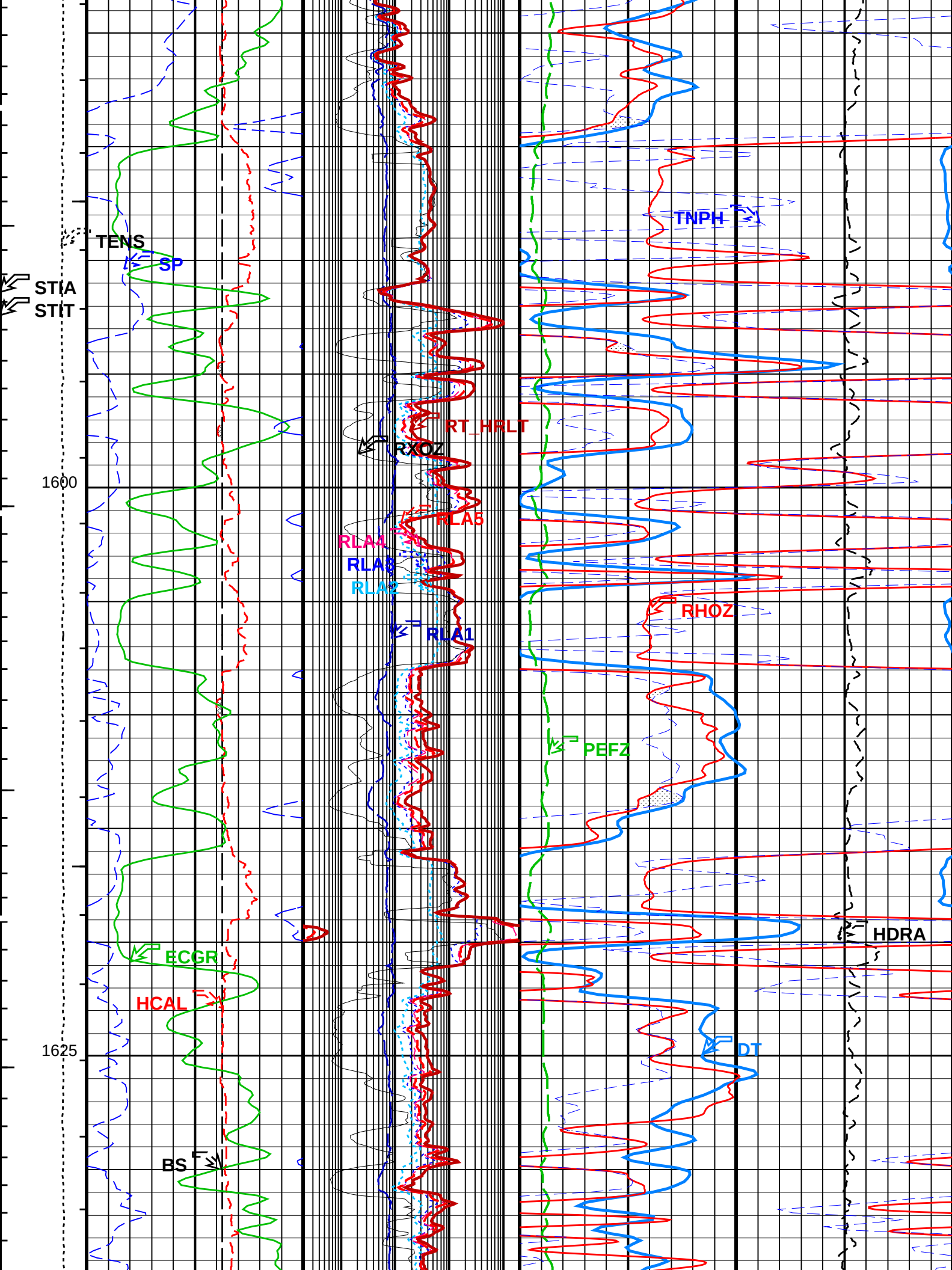


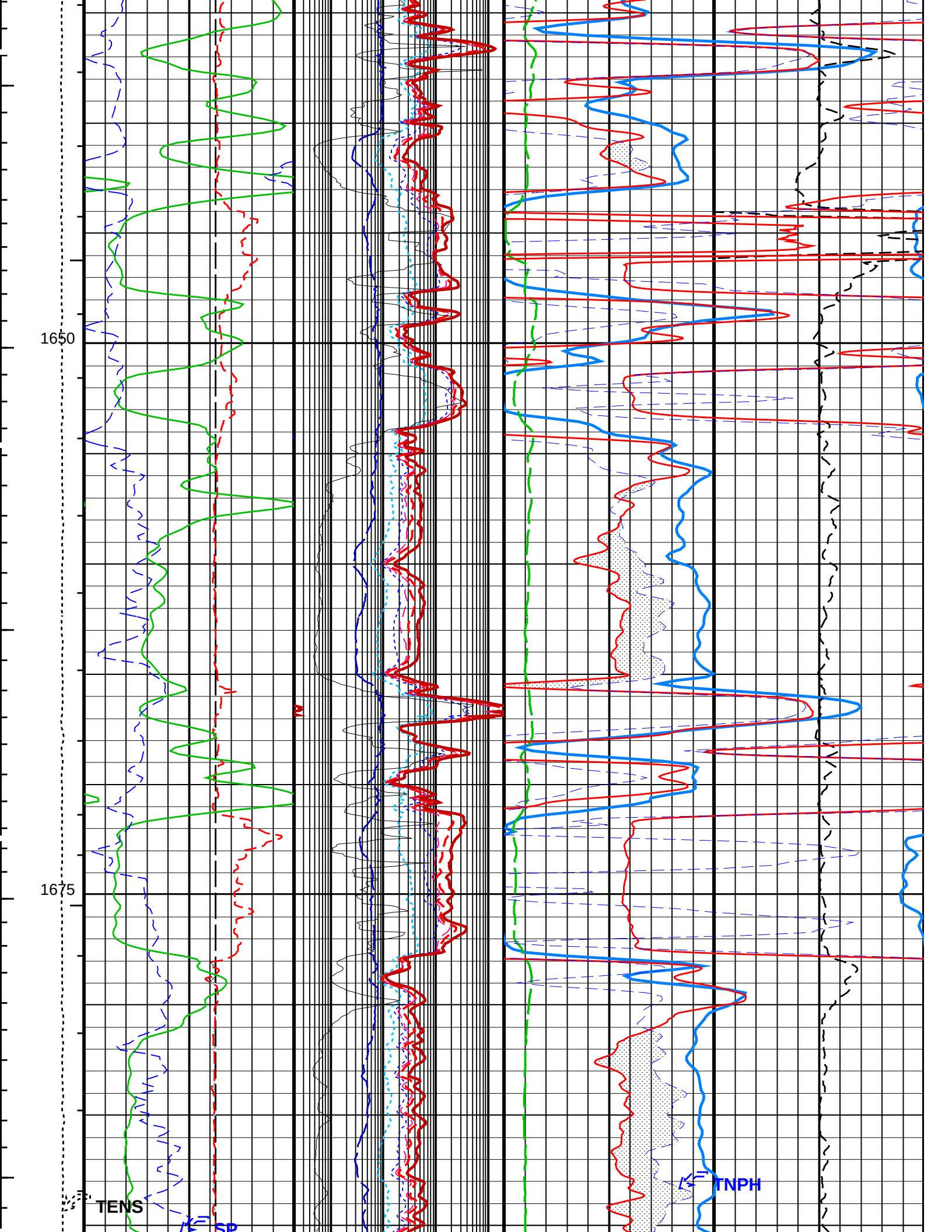


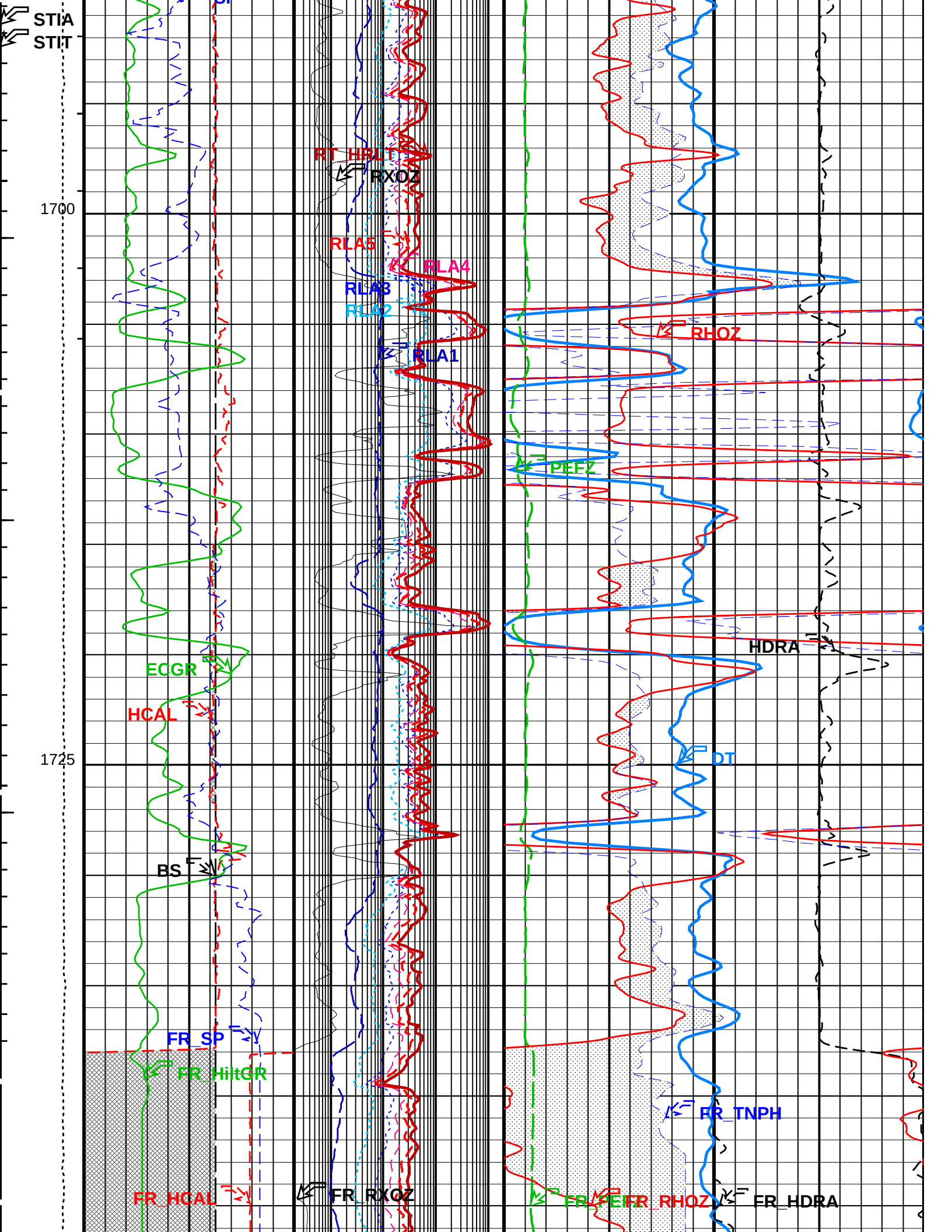


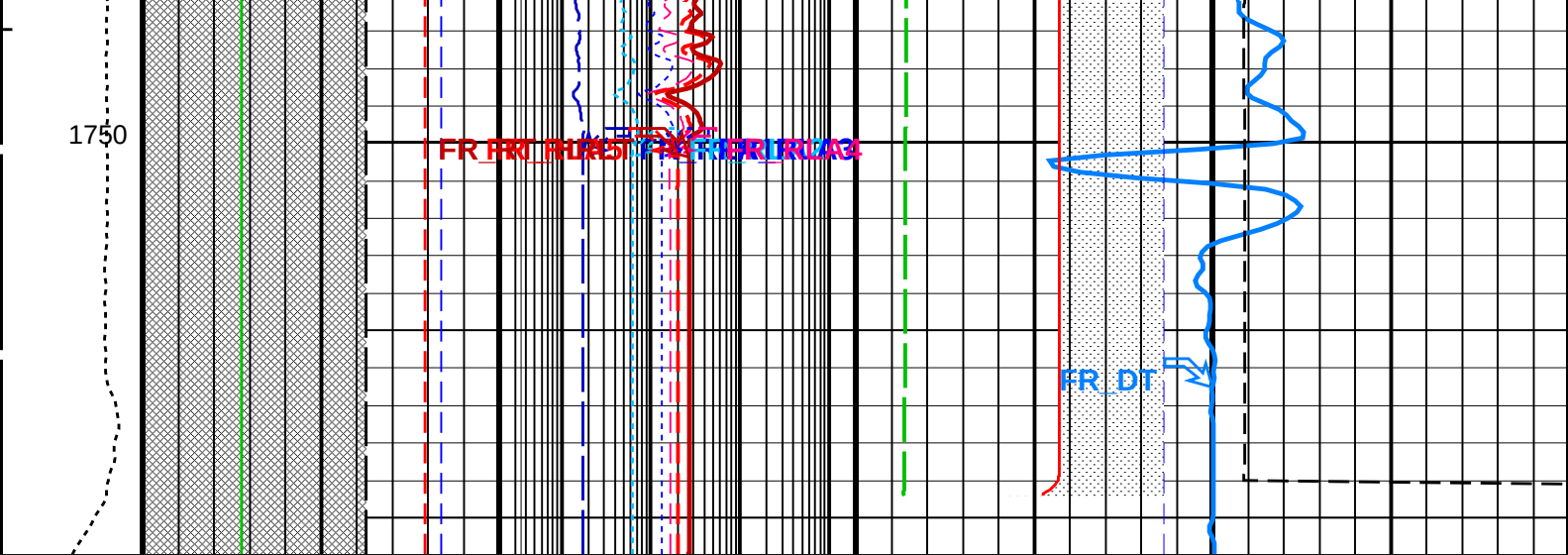












Tension (TENS) (LBF)	6	16	0.2	2000	140	40
Bit Size (BS) (IN)			HRLT Resistivity 1 (RLA1) (OHMM)		Delta-T (DT) (US/F)	
Stuck Stretch (STIT) (M)	6	16	0.2	2000	Std. Res. Formation Pe (PEFZ) (---- 10)	Density Correction (HDRA) (G/C3)
Cable Drag From D4T to STIT	0	200	0.2	2000	1.95	2.95
Gamma Ray (ECGR) (GAPI)			HRLT Resistivity 3 (RLA3) (OHMM)		Std. Res. Formation Density (RHOZ) (G/C3)	
Tool/Tot. Drag From D4T to STIA	-80	20	0.2	2000	0.45	-0.15
SP (SP) (MV)			HRLT Resistivity 4 (RLA4) (OHMM)		Env.Corr.Thermal Neutron Porosity (TNPH) (V/V)	
Stuck Tool Indicator, Adjusted (STIA) (M)	0	20	0.2	2000		
Area From HCAL to BS			HRLT Resistivity 5 (RLA5) (OHMM)		Sand From RHOZ to TNPH	
			Std. Res. Invaded Zone Resistivity (RXOZ) (OHMM)			
			HRLT True Resistivity (RT_HRLT) (OHMM)			

PIP SUMMARY

- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
 - Integrated Cement Volume Minor Pip Every 0.1 M3
 - Integrated Cement Volume Major Pip Every 1 M3
- Time Mark Every 60 S

Parameters

DLIS Name	Description	Value
DSLST-FTB: Digitizing	Sonic Logging Tool	DSLST-FTB
AGC	Telemetry Mode	SDDB
AMSG	DSLST Firing Mode	ON
CBAF	Automatic Gain Control Status	140 US
CBLG	Auxiliary Minimum Sliding Gate	1
CDTS	CBL Adjustment Factor	45 US
DDEL	CBL Gate Width	100 US/F
	C-Delta-T Shale	0 US
	Digitizing Delay	

DBLE	Digitizing Delay	0	US
DETE	Delta-T Detection	E2	
DFAD	Digital First Arrival Detection Switch	HOST	
DIVL	DSLT Depth Sampling Interval	20	
DRCS	DSLT DLIS Recording Size	180	
DSIN	Digitizing Sample Interval	10	
DTCM	Delta-T Computation Mode	FULL	
DTF	Delta-T Fluid	189	US/F
DTFS	DSLCL Telemetry Frame Size	396	
DTM	Delta-T Matrix	56	US/F
DWCO	Digitizing Word Count	180	
GAI	Manual Gain	40	
ITTS	Integrated Transit Time Source	DT	
MAHTR	Manual High Threshold Reference	120	
MGAI	Maximum Gain	60	
MIGA	Minimum Gain	1	
MNHTR	Minimum High Threshold Reference	100	
MODE	Sonic Firing Mode	SDDDB	
NMSG	Near Minimum Sliding Gate	140	US
NMXG	Near Maximum Sliding Gate	970	US
NUMP	Number of Detection Passes	2	
RATE	Firing Rate	R15	
RDFA	Reset DFAD	OFF	
SDTH	Switch Down Threshold	20000	
SFAF	Sonic Formation Attenuation Factor	10	DB/M
SGAD	Sliding Gate Status	ON	
SGAI	Selectable Acquisition Gain	AUTO	
SGCL	Sliding Gate Closing Delta-T	140	US/F
SGCW	Sliding Gate Closing Width	25	US
SGDT	Sliding Gate Delta-T	40	US/F
SGW	Sliding Gate Width	110	US
SLEV	Signal Level for AGC	5000	
SPFS	Sonic Porosity Formula	RAYMER_HUNT	
SPSO	Sonic Porosity Source	DT	
SUTH	Switch Up Threshold	1000	
VDLG	VDL Manual Gain	40	
WAGC	Waveform AGC Allow/Disallow	OFF	
WGAI	Waveform Manual Gain	20	
WGDT	Waveform Gain Delta-T	240	US/F
WGIN	Waveform Gain Interval	2540	US
WMOD	Waveform Firing Mode	FULL	
HRLT-B: High Resolution Laterolog Array - E			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	53	DEGC
CALSTAT	HRLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTB Calibration Temperature	47.801	DEGC
FREQ0	HRLT Frequency Index for Mode 0	32	
FREQ1	HRLT Frequency Index for Mode 1	128	
FREQ2	HRLT Frequency Index for Mode 2	104	
FREQ3	HRLT Frequency Index for Mode 3	86	
FREQ4	HRLT Frequency Index for Mode 4	56	
FREQ5	HRLT Frequency Index for Mode 5	44	
FREQ6	HRLT Frequency Index for Mode 6	116	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
ISSBAR	Barite Mud Switch	NOBARITE	
KFAC_HRLT	HRLT K Factor Option	SONDE	
LOOPCOEF_S	HRLT Loop Coefficient for Shallow Modes	LOW	
LOOPMOD0	HRLT Mode 0 Loop Mode	AUTO	
LOOPMOD1	HRLT Mode 1 Loop Mode	AUTO	
LOOPMOD2	HRLT Mode 2 Loop Mode	AUTO	
LOOPMOD3	HRLT Mode 3 Loop Mode	AUTO	
LOOPMOD4	HRLT Mode 4 Loop Mode	AUTO	
LOOPMOD5	HRLT Mode 5 Loop Mode	AUTO	
LOOPMOD6	HRLT Mode 6 Loop Mode	AUTO	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
PROCIINV	Inversion Selection	ON	
PROCMFL	Inversion Micro-Resistivity Selection	NO_EXTERNAL_RXO	
PROCMSO	Mechanical Standoff Fin Size	2.5	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSP0	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	20	DEGC
HILTB-FTB: High resolution Integrated Logging Tool-DTS			
BHFL	Borehole Fluid Type	WATER	
BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	53	DEGC
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
DPPM	Density Porosity Processing Mode	HIRS	
EXSICL	External Shale Indicator Clean Value	20	

EXSISH	External Shale Indicator Shale Value	150	
FD	Fluid Density	1	G/C3
FEXP	Form Factor Exponent	2	
FNUM	Form Factor Numerator	1	
FPHI	Form Factor Porosity Source	DPHZ	
FSAL	Formation Salinity	-50000	PPM
FSCO	Formation Salinity Correction Option	NO	
GCLF	Germany Coal-like Formation Option	NO	
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HACPP	Accelerometer PROM Presence	PRESENT_DOWNHOLE	
HART	Accelerometer Reference Temperature	20	DEGC
HDCOD	HILT Density Coal detection	2	G/C3
HDSAD	HILT Density Salt detection	2.1	G/C3
HILT_GAS_DENSITY	HILT Gas Downhole Density	0	G/C3
HILT_GAS_OPTION	HILT Gas Computation Option	OFF	
HNCOD	HILT Neutron Coal detection	45	PU
HNSAD	HILT Neutron Salt detection	5	PU
HPHIECUT	HILT effective Porosity Cutoff	5	PU
HSCO	Hole Size Correction Option	YES	
HSIS	HILT Shale Indicator Selection	GR	
HSSO	HRDD Nuclear Source Strength Option	NORMAL	
HSWCUT	HILT Water Saturation from AITH cutoff	50	%
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	NATU	
MDEN	Matrix Density	2.71	G/C3
MHC0	MCFL B0 Contrast Correction Coefficient	2.2e-005	OHMS
MHC1	MCFL B1 Contrast Correction Coefficient	3.2e-005	OHMS
MHCC	MCFL High Contrast Correction Switch	NO	
MPOF	MCFL Processing Operation Mode	ON	
MWCO	Mud Weight Correction Option	YES	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	NOBARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PEA_FILTER	PEA Filter	NO_FILTER	
PEFC_FILTER	PEFC Filter	NO_FILTER	
PHIMAX	HILT max porosity	35	PU
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
SEXP_HILT	HILT Saturation Exponent	2	
SHT	Surface Hole Temperature	20	DEGC
SOCN	Standoff Distance	0.125	IN
SOCO	Standoff Correction Option	NO	
BSP: Bridle SP			
SPNV	SP Next Value	0	MV
HOLEV: Integrated Hole/Cement Volume			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	53	DEGC
FCD	Future Casing (Outer) Diameter	9.625	IN
GCSE	Generalized Caliper Selection	HCAL	
GDEV	Average Angular Deviation of Borehole from Normal	0	DEG
GGRD	Geothermal Gradient	0.018227	DC/M
GRSE	Generalized Mud Resistivity Selection	CHART_GEN_9	
GTSE	Generalized Temperature Selection	LINEAR_ESTIMATE	
HVCS	Integrated Hole Volume Caliper Selection	HCAL	
ISSBAR	Barite Mud Switch	NOBARITE	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	20	DEGC
STI: Stuck Tool Indicator			
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	1.524	M
TDD	Total Depth - Driller	1766.00	M
TDL	Total Depth - Logger	1760.00	M
System and Miscellaneous			
ALTDPCCHAN	Name of alternate depth channel	SpeedCorrectedDepth	
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	63000.00	PPM
CSIZ	Current Casing Size	13.375	IN
CWEI	Casing Weight	68.00	LB/F
DFD	Drilling Fluid Density	1.12	G/C3
DO	Depth Offset for Playback	0.0	M
FLEV	Fluid Level	-50000.00	M
MST	Mud Sample Temperature	20.20	DEGC
PBVSADP	Use alternate depth channel for playback	NO	
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	0.0994	OHMM
RW	Resistivity of Connate Water	1.0000	OHMM
TD	Total Depth	1760	M
TWS	Temperature of Connate Water Sample	37.78	DEGC

OP System Version: 15C0-309

MCM

DSLT-FTB	15C0-309	HRLT-B	15C0-309
HILTB-FTB	SRPC-3582-Q1_2008_OP15_b	DTC-H	15C0-309
BSP	15C0-309		

Input DLIS Files

RTB	SONIC_HRLA_TLD_MCFL_014LUP	FN:32	PRODUCER	20-May-2008 04:40	1761.0 M	689.2 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_004PUP	FN:39	PRODUCER	20-May-2008 06:07
CUSTOMER	SONIC_HRLA_TLD_MCFL_004PUC	FN:40	CUSTOMER	20-May-2008 06:07