

Well: Wardie-1

Rig: West Triton

[illegible][illegible]

Logging Date			
Run Number			
Depth Driller			
Schlumberger Depth			
Bottom Log Interval			
Top Log Interval			
Casing Driller Size @ Depth		@	
Casing Schlumberger			
Bit Size			
Type Fluid In Hole			
Density	Viscosity		
Fluid Loss	PH		
Source Of Sample			
RM @ Measured Temperature		@	
RMF @ Measured Temperature		@	
RMF @ Measured Temperature		@	
Source RMF	RMF @ MRT		
RM @ MRT		@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

DEPTH SUMMARY LISTING

Depth System Equipment	
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Depth Measuring Device		Tension Device		Logging Cable	
Type:	IDW-H	Type:	CMTD-B/A	Type:	7-46ZV-XS
Serial Number:	796	Serial Number:	1721	Serial Number:	77178
Calibration Date:	29-Jan-2008	Calibration Date:	27-Feb-2008	Length:	7315.20 M
Calibrator Serial Number:	1009	Calibrator Serial Number:	1051	Conveyance Method:	Wireline
Calibration Cable Type:	7-46ZV-XS	Calibration Gain:	0.81	Rig Type:	Offshore_Fixed
Wheel Correction 1:	-5	Calibration Offset:	-610.00		
Wheel Correction 2:	-5				

Log Sequence:	First Log In the Well
Rig Up Length At Surface:	78.22 M
Rig Up Length At Bottom:	78.12 M
Rig Up Length Correction:	0.10 M
Stretch Correction:	1.90 M
Tool Zero Check At Surface:	0.90 M

1. First Run in hole , all schlumberger depth control procedures followed
2. IDW used as a primary depth reference , Z Chart as a secondary
- 3.
- 4.
- 5.
- 6.

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

Did not reach TD due to fill on bottom. Tagged up at 1760 m. Main pass logged out from HUD to 1300m in standard resolution mode

All depths are
driller's depths



747.2
747.2

13.375

12.415

Casing Shoe
Borehole Segment

1766.0

12.250

Borehole Segment Bottom

Schlumberger

**High Resolution Pass
1:500**

MAXIS Field Log

Company: 3D Oil Limited

Well: Wardie-1

Input DLIS Files

DEFAULT SONIC_HRLA_TLD_MCFL_014PUP FN:14 PRODUCER 08-Jun-2008 15:50 1675.0 M 1565.3 M

Output DLIS Files

DEFAULT SONIC_HRLA_TLD_MCFL_026PUP FN:31 PRODUCER 19-Jun-2008 23:01 1675.0 M 1565.8 M

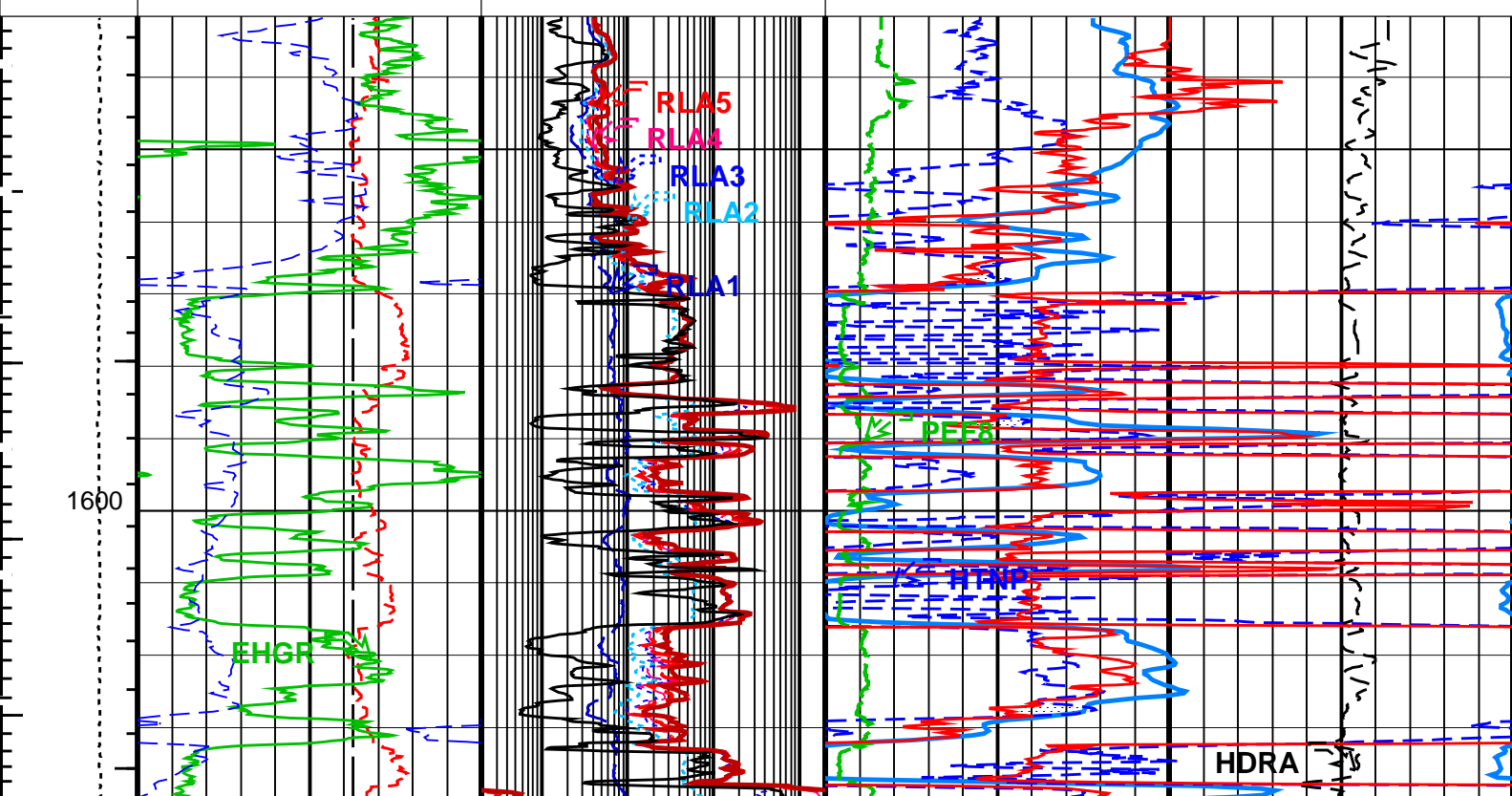
Integrated Hole/Cement Volume Summary

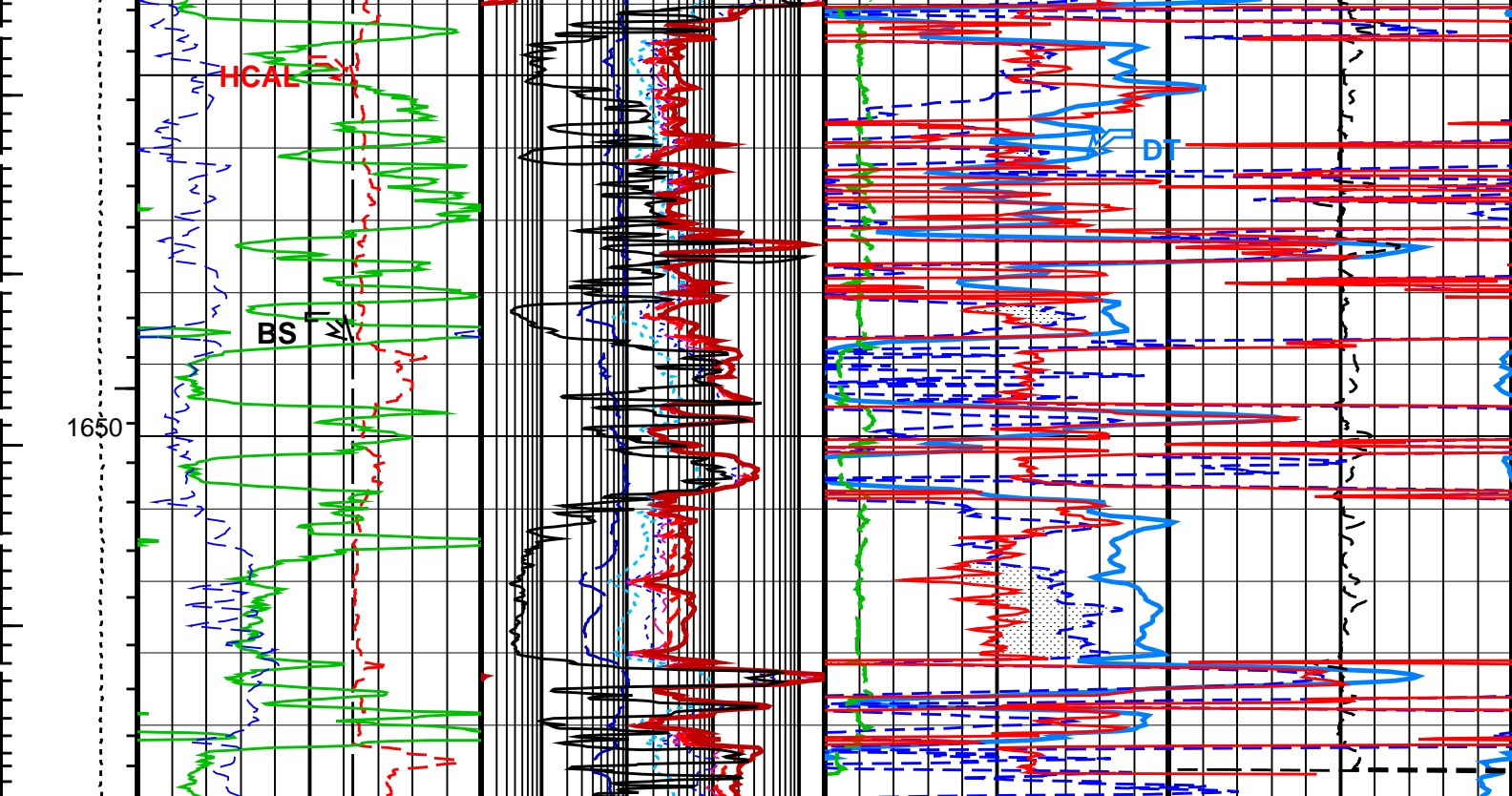
Hole Volume = 8.98 M3
Cement Volume = 3.85 M3 (assuming 9.63 IN casing O.D.)
Computed from 1675.0 M to 1565.9 M using data channel(s) HCAL

MCM

- └ 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		
		H. Res. Invaded Zone Resistivity (RXO8)		
		0.2 (OHMM) 2000		
	Area From HCAL to BS	HRLT Resistivity 5 (RLA5) <u> </u> 0.2 (OHMM) 2000	Sand From RHO8 to HTNP	
Tool/Tot. Drag From D4T to STIA	-80 SP (SP) (MV) 20	HRLT Resistivity 4 (RLA4) <u> </u> 0.2 (OHMM) 2000	H. Res. Formation Density (RHO8) <u> </u> 1.95 (G/C3) 2.95	
Cable Drag From D4T to STIT	Gamma Ray (EHGR) <u> </u> 0 (GAPl) 200	HRLT Resistivity 3 (RLA3) <u> </u> 0.2 (OHMM) 2000	H. Res. Formation Pe (PEF8) <u> </u> 0 (----- 10	Density Correction (HDRA) <u> </u> -0.25 (G/C3) 0.25
Stuck Stretch (STIT)	6 HILT Caliper (HCAL) (IN) 16	HRLT Resistivity 2 (RLA2) <u> </u> 0.2 (OHMM) 2000	HiRes TNPH (HTNP) <u> </u> 0.45 (V/V) -0.15	
Tension (TENS) (LBF)	Bit Size (BS) <u> </u> 6 (IN) 16	HRLT Resistivity 1 (RLA1) <u> </u> 0.2 (OHMM) 2000	Delta-T (DT) <u> </u> 140 (US/F) 40	





Tension (TENS) (LBF)	6	16	0.2	2000	140	40
Bit Size (BS) (IN)	6	16	0.2	2000	0.45	-0.15
Stuck Stretch (STIT) (M)	6	16	0.2	2000	0.45	-0.15
Cable Drag From D4T to STIT	0	200	0.2	2000	0	0.25
Tool/Tot. Drag From D4T to STIA	-80	20	0.2	2000	1.95	2.95
Area From HCAL to BS	0.2	2000	0.2	2000	Sand From RHO8 to HTNP	
H. Res. Invaded Zone Resistivity (RX08)	0.2	2000				
HRLT True Resistivity (RT_HRLT)	0.2	2000				

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
DSL T-ETB	Digitizing Sonic Logging Tool	

	DSLT-FTB: Digitizing Tool-FTB	DSLC_FTB	
AGC	Telemetry Mode	SDDB	
AMSG	DSLT 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
DETE	C-Delta-T Shale	0	US
DFAD	Digitizing Delay	E2	
DIVL	Delta-T Detection	HOST	
DRCS	Digital First Arrival Detection Switch	20	
DSIN	DSLT Depth Sampling Interval	180	
DTCM	DSLT DLIS Recording Size	10	
DTF	Digitizing Sample Interval	FULL	
DTFS	Delta-T Computation Mode	189	US/F
DTM	Delta-T Fluid	396	
DWCO	DSLC Telemetry Frame Size	56	US/F
GAI	Delta-T Matrix	180	
ITTS	Digitizing Word Count	40	
MAHTR	Manual Gain	DT	
MGAI	Integrated Transit Time Source	120	
MIGA	Manual High Threshold Reference	60	
MNHTR	Maximum Gain	1	
MODE	Minimum Gain	100	
NMSG	Minimum High Threshold Reference	SDDB	
NMXG	Sonic Firing Mode	140	US
NUMP	Near Minimum Sliding Gate	970	US
RATE	Near Maximum Sliding Gate	2	
RDFA	Number of Detection Passes	R15	
SDTH	Firing Rate	OFF	
SFAF	Reset DFAD	20000	
SGAD	Switch Down Threshold	10	DB/M
SGAI	Sonic Formation Attenuation Factor	ON	
SGCL	Sliding Gate Status	AUTO	
SGCW	Selectable Acquisition Gain	140	US/F
SGDT	Sliding Gate Closing Delta-T	25	US
SGW	Sliding Gate Closing Width	40	US/F
SLEV	Sliding Gate Delta-T	110	US
SPFS	Sliding Gate Width	5000	
SPSO	Signal Level for AGC	RAYMER_HUNT	
SUTH	Sonic Porosity Formula	DT	
VDLG	Sonic Porosity Source	1000	
WAGC	Switch Up Threshold	40	
WGAJ	VDL Manual Gain	OFF	
WGDT	Waveform AGC Allow/Disallow	20	
WGIN	Waveform Manual Gain	240	US/F
WMOD	Waveform Gain Delta-T	2540	US
	Waveform Gain Interval	FULL	
	Waveform Firing Mode		
	HRLT-B: High Resolution Laterolog Array - E		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	56	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	
PROCINV	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_TID	Borehole Fluid Temperature	WATER	

BHFL_TLD	HILT Nuclear Mud Base	WATER	
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	56	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_FILE	
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	BARI	
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	BARITE	
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)	56	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
DIR: Directional Survey Computation			
SPED	East Departure of Starting Point	0	M
SPND	North Departure of Starting Point	0	M
SPVD	TVD of Starting Point	0	M
TAZI	Vertical Section Azimuth	0	DEG
TIED	East Departure of Tie-in Point	0	M
TIMD	Along-hole depth of Tie-in Point	0	M
TIND	North Departure of Tie-in Point	0	M

TIVD	TVD of Tie-in Point	0	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

Format: HIRES_SON_RES_DENS_NEU_GR_SP_D500 Vertical Scale: 1:500 Graphics File Created: 19-Jun-2008 23:01

OP System Version: 15C0-309

MCM

DSLT-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_014PUP FN:14	PRODUCER	08-Jun-2008 15:50	1675.0 M	1565.3 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_026PUP FN:31	PRODUCER	19-Jun-2008 23:01		
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Schlumberger

Standard Resolution Pass
1:500

MAXIS Field Log

Company: 3D Oil Limited Well: Wardie-1

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_014LUP FN:31	PRODUCER	06-Jun-2008 11:07	1761.0 M	689.2 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_017PUP FN:20	PRODUCER	08-Jun-2008 10:13	1761.0 M	1298.3 M
CUSTOMER	SONIC_HRLA_TLD_MCFL_017PUC FN:21	CUSTOMER	08-Jun-2008 10:13	1761.0 M	1298.3 M

Integrated Hole/Cement Volume Summary

Hole Volume = 39.85 M3

Cement Volume = 18.18 M3 (assuming 9.63 IN casing O.D.)

Computed from 1759.9 M to 1298.4 M using data channel(s) HCAL

OP System Version: 15C0-309

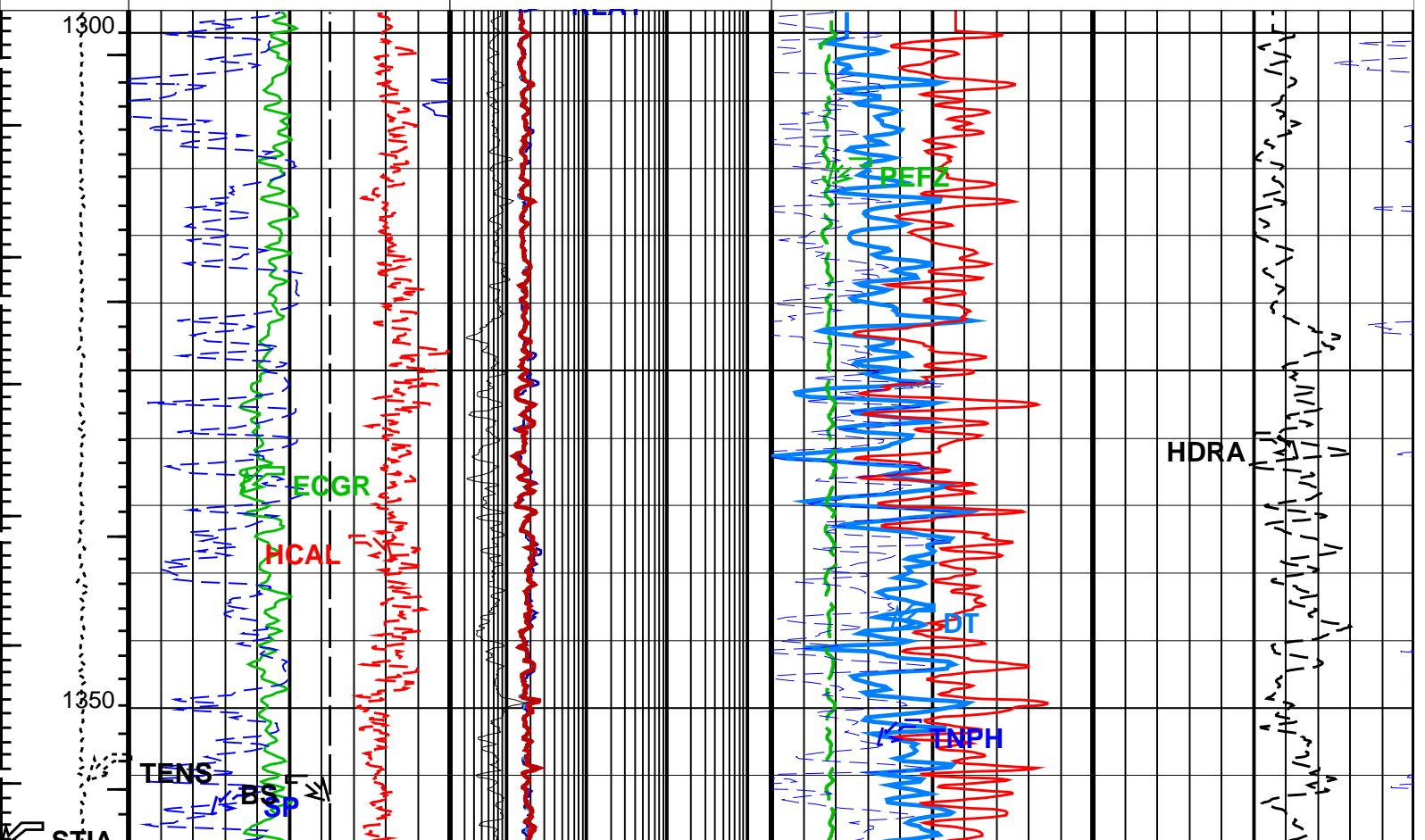
MCM

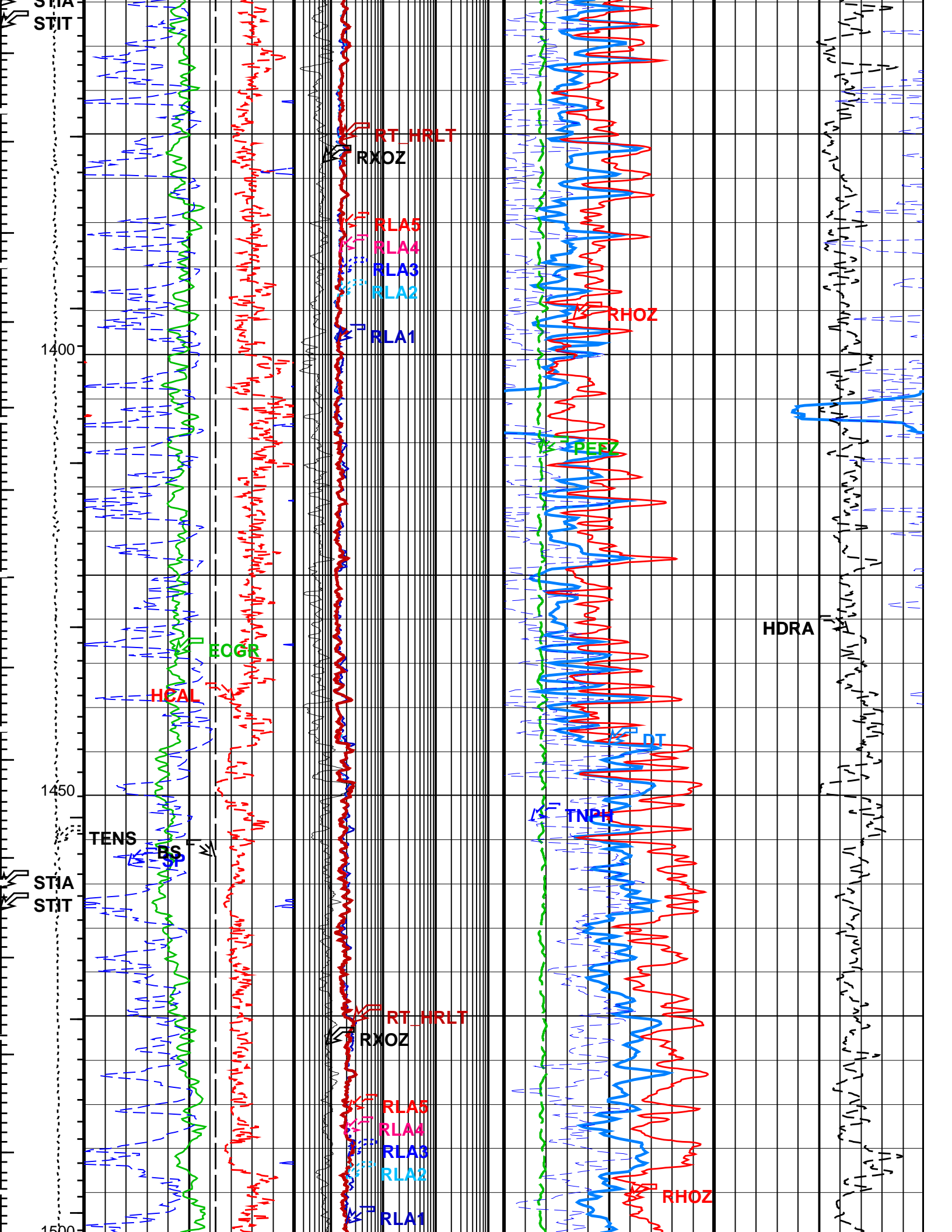
DSLT-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

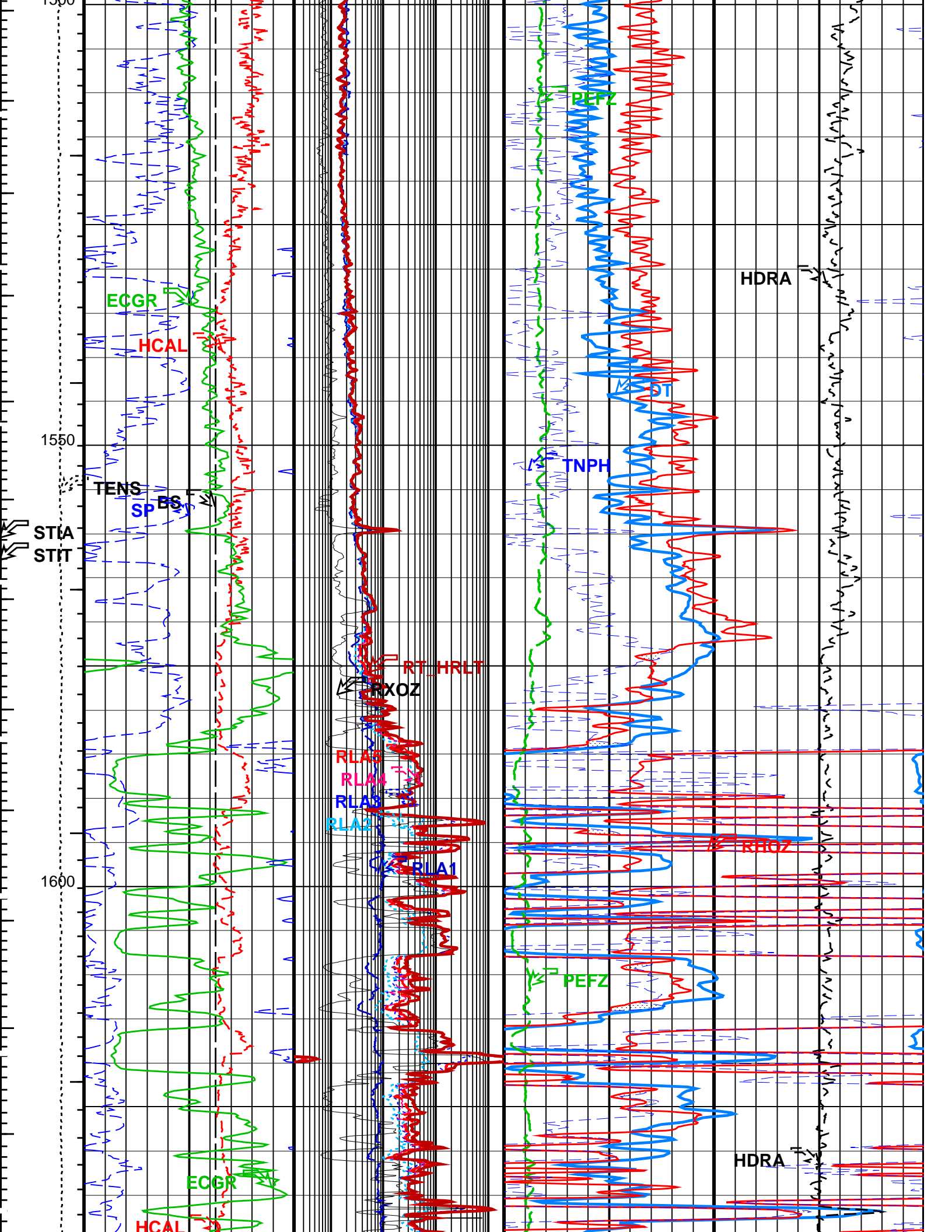
PIP SUMMARY

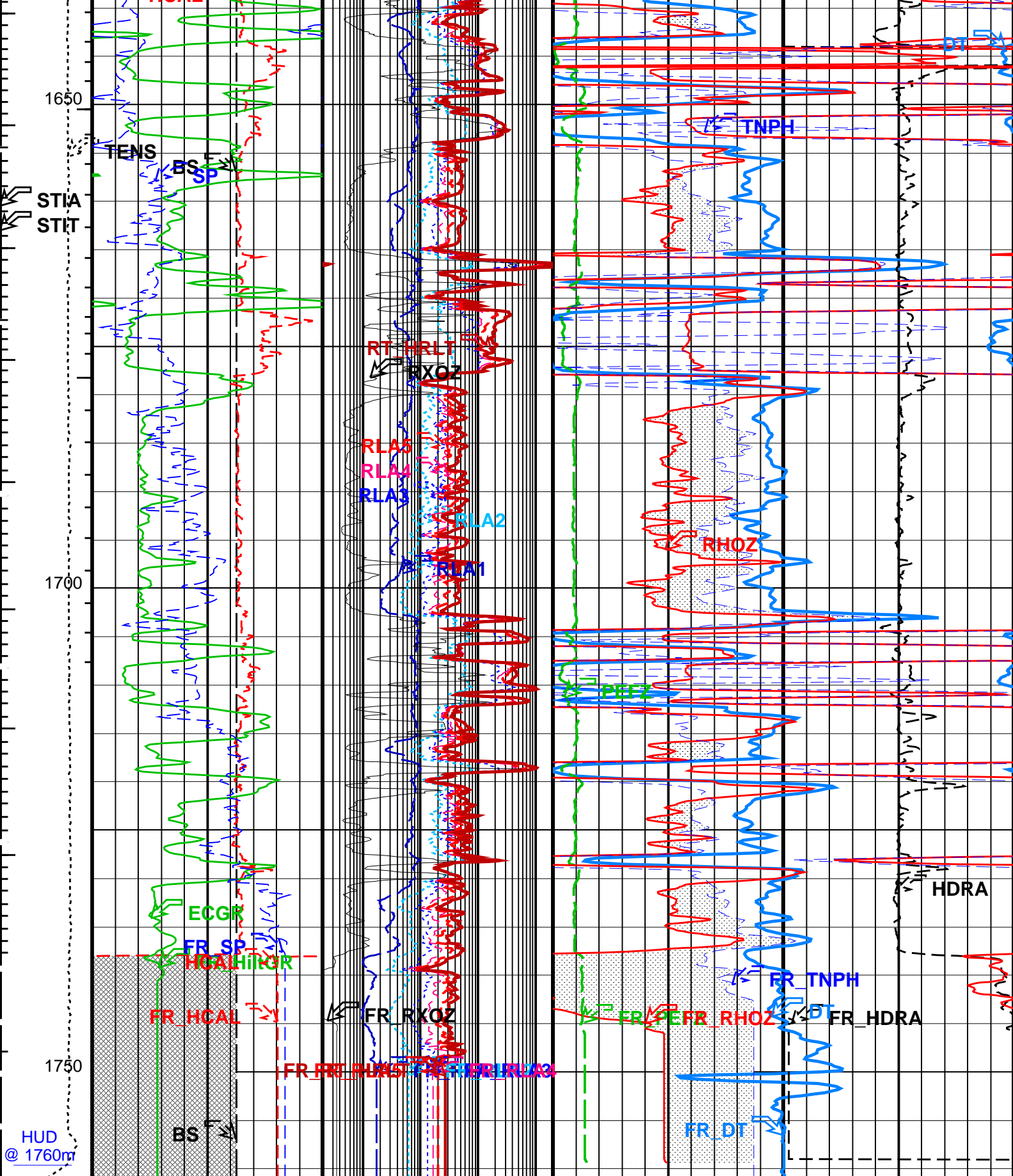
- Integrated Hole Volume Minor Pip Every 0.1 M3
- Integrated Hole Volume Major Pip Every 1 M3
 - Integrated Cement Volume Minor Pip Every 0.1 M3
 - Integrated Cement Volume Major Pip Every 1 M3
- Time Mark Every 60 S

		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)	
-80 20		0.2	(OHMM)	2000	0.45 (V/V) -0.15
Cable Drag From D4T to STIT	Gamma Ray (ECGR) (GAPI)	HRLT Resistivity 3 (RLA3)		Std. Res. Formation Density (RHOZ)	
0 200		0.2	(OHMM)	2000	1.95 (G/C3) 2.95
Stuck Stretch (STIT)	HILT Caliper (HCAL) (IN)	HRLT Resistivity 2 (RLA2)		Std. Res. Formation Pe (PEFZ)	Density Correction (HDRA)
6 16		0.2	(OHMM)	2000	0 (---- 10) -0.25 (G/C3) 0.25
Tension (TENS) (LBF)	Bit Size (BS) (IN)	HRLT Resistivity 1 (RLA1)		Delta-T (DT)	
0 5000	6 16	0.2	(OHMM)	2000	140 (US/F) 40









Tension (TENS) (LBF)	Bit Size (BS) (IN)		HRLT Resistivity 1 (RLA1) (OHMM)		Delta-T (DT) (US/F)	
0 5000	6 16		0.2 2000		140 40	
Stuck Stretch (STIT) (M)	HILT Caliper (HCAL) (IN)		HRLT Resistivity 2 (RLA2) (OHMM)		Std. Res. Formation Pe (PEFZ) (---- 10)	Density Correction (HDRA) (G/C3)
0 20	6 16		0.2 2000		0	-0.25 0.25

Cable Drag From D4T to STIT	Gamma Ray (ECGR) (GAPI)	HRLT Resistivity 3 (RLA3) (OHMM)	Std. Res. Formation Density (RHOZ) (G/C3)
	0 200	0.2 2000	1.95 2.95
Tool/Tot. Drag From D4T to STIA	SP (SP) (MV)	HRLT Resistivity 4 (RLA4) (OHMM)	Env.Corr.Thermal Neutron Porosity (TNPH) (V/V)
	-80 20	0.2 2000	0.45 -0.15
Stuck Tool Indicator, Adjusted (STIA)	Area From HCAL to BS	HRLT Resistivity 5 (RLA5) (OHMM)	Sand From RHOZ to TNPH
0 (M) 20			
		Std. Res. Invaded Zone Resistivity (RXOZ)	
		0.2 (OHMM) 2000	
		HRLT True Resistivity (RT_HRLT)	
		0.2 (OHMM) 2000	

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
DSLT-FTB: Digitizing	Sonic Logging Tool	
	Telemetry Mode	DSLCL_FTB
	DSLT Firing Mode	SDDB
DDEL	Digitizing Delay	0 US
DIVL	DSLT Depth Sampling Interval	20
DRCS	DSLT DLIS Recording Size	180
DSIN	Digitizing Sample Interval	10
DTFS	DSLCL Telemetry Frame Size	396
DWCO	Digitizing Word Count	180
GAI	Manual Gain	40
MAHTR	Manual High Threshold Reference	120
MGAI	Maximum Gain	60
MNHTR	Minimum High Threshold Reference	100
NMSG	Near Minimum Sliding Gate	140 US
NMXG	Near Maximum Sliding Gate	970 US
RATE	Firing Rate	R15
SFAF	Sonic Formation Attenuation Factor	10 DB/M
SGCL	Sliding Gate Closing Delta-T	140 US/F
SGDT	Sliding Gate Delta-T	40 US/F
SGW	Sliding Gate Width	110 US
SLEV	Signal Level for AGC	5000
WMOD	Waveform Firing Mode	FULL
HRLT-B: High Resolution	Laterolog Array - E	
BHS	Borehole Status	OPEN
BHT	Bottom Hole Temperature (used in calculations)	56 DEGC
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
KFAC_HRLT	HRLT K Factor Option	SONDE
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE
PROCINV	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
PROCSPO	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)	56	DEGC
BSCO	Borehole Salinity Correction Option	NO	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
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	
HSCO	Hole Size Correction Option	YES	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
MCCO	Mud Cake Correction Option	NO	
MCOR	Mud Correction	BARI	
MPOF	MCFL Processing Operation Mode	ON	
MWCO	Mud Weight Correction Option	YES	
NAAC	HRDD APS Activation Correction	OFF	
NMT	HILT Nuclear Mud Type	BARITE	
NPRM	HRDD Processing Mode	HiRes	
NSAR	HRDD Depth Sampling Rate	1	IN
PTCO	Pressure/Temperature Correction Option	NO	
SDAT	Standoff Data Source	SOCN	
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)	56	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	
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			
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
DORL	Depth Offset for Repeat Analysis	0.0	M
MST	Mud Sample Temperature	20.20	DEGC
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	0.0994	OHMM
TD	Total Depth	1760	M

Format: SON_RES_DENS_NEU_GR_SP_D500 Vertical Scale: 1:500 Graphics File Created: 08-Jun-2008 10:13

OP System Version: 15C0-309

MCM

DSLT-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_014LUP FN:31	PRODUCER	06-Jun-2008 11:07	1761.0 M	689.2 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_017PUP FN:20	PRODUCER	08-Jun-2008 10:13
CUSTOMER	SONIC_HRLA_TLD_MCFL_017PUC FN:21	CUSTOMER	08-Jun-2008 10:13

Company: 3D Oil Limited

Well: Wardie-1

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_014LUP FN:31	PRODUCER	21-May-2008 13:14	1761.0 M	689.2 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_034PUP FN:39	PRODUCER	21-Jun-2008 21:32	1761.0 M	742.3 M
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Integrated Hole/Cement Volume Summary

Hole Volume = 85.86 M3

Cement Volume = 38.29 M3 (assuming 9.63 IN casing O.D.)

Computed from 1759.9 M to 746.6 M using data channel(s) HCAL

OP System Version: 15C0-309

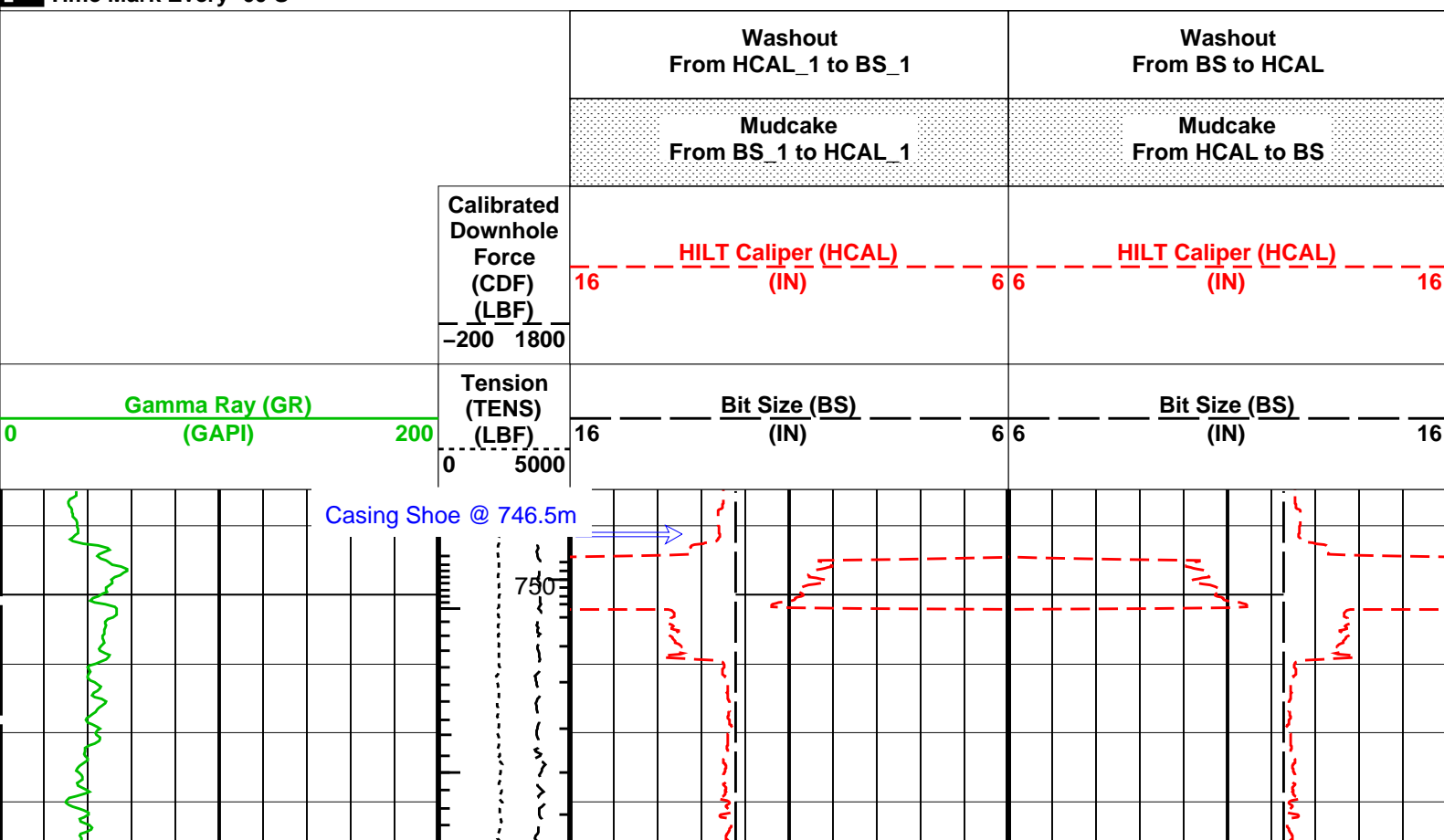
MCM

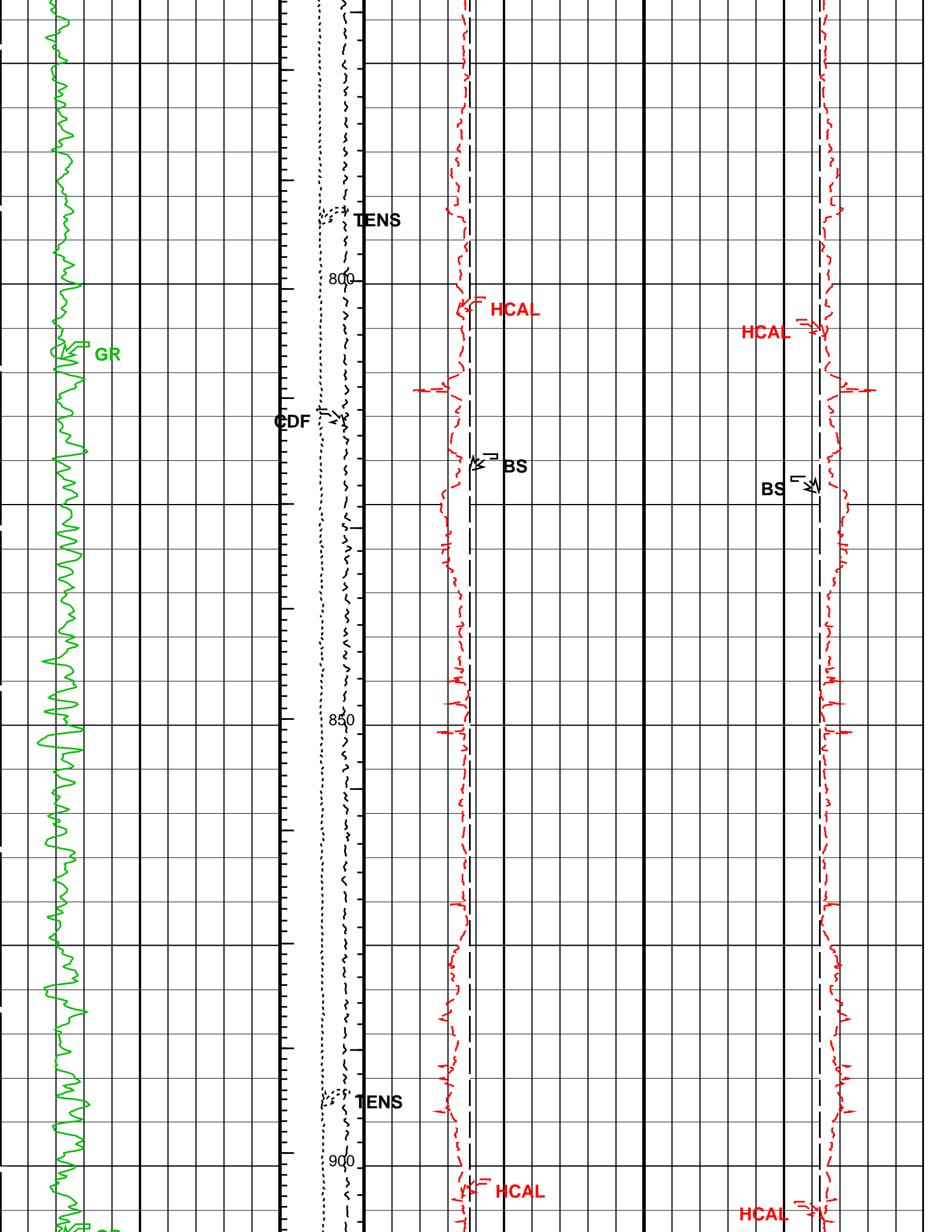
DSLT-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

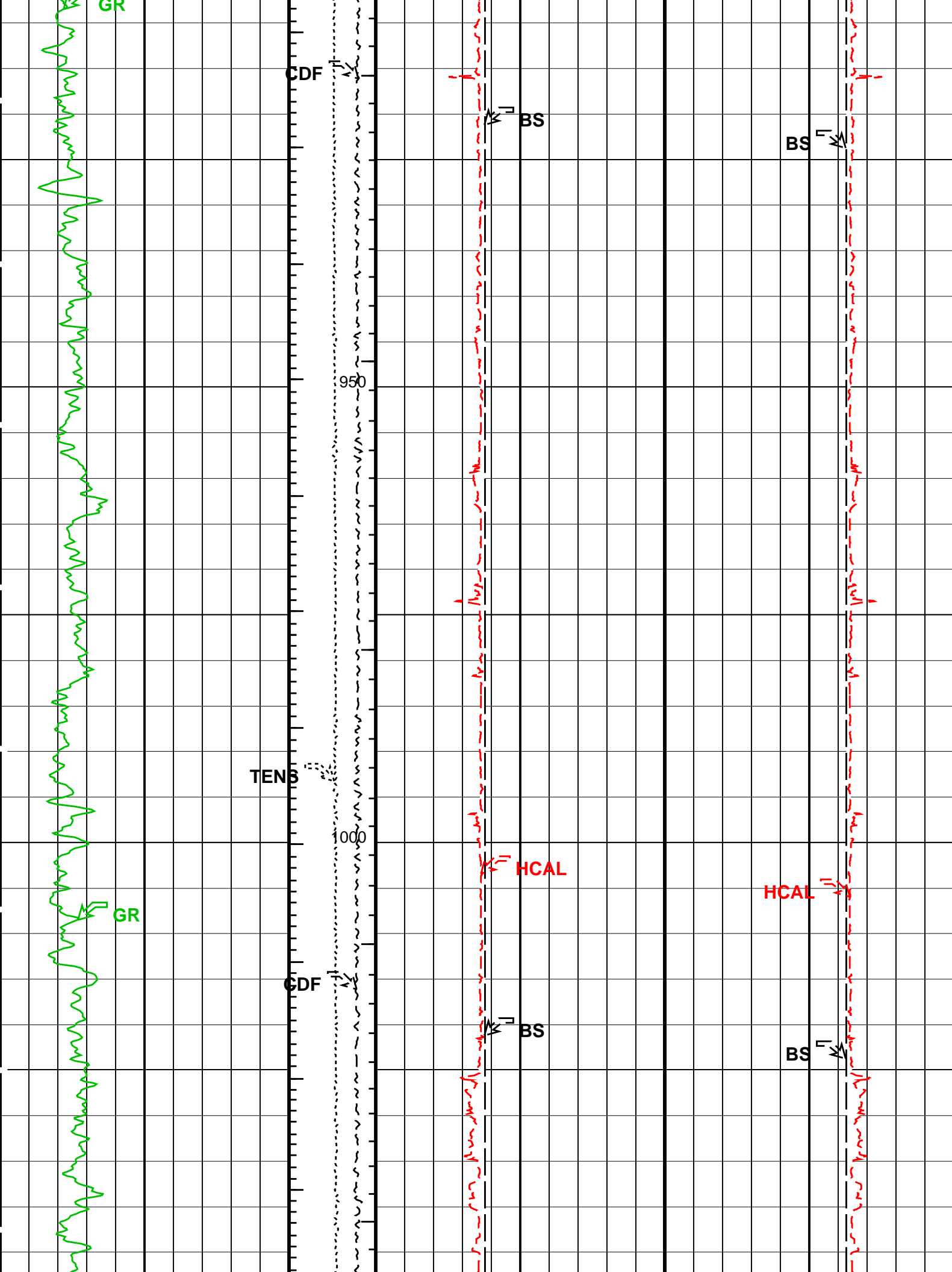
PIP SUMMARY

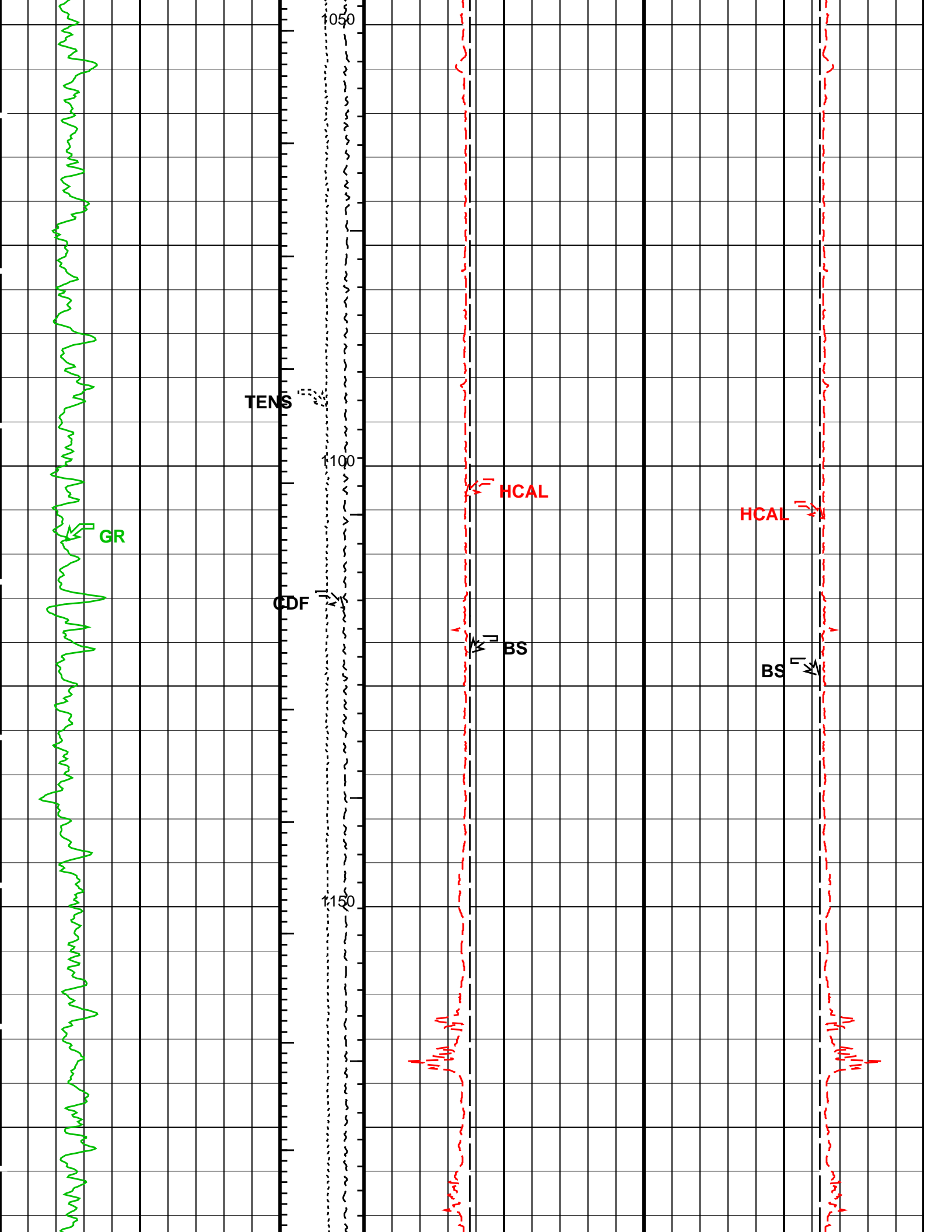
- └ Integrated Hole Volume Minor Pip Every 0.1 M3
- └ Integrated Hole Volume Major Pip Every 1 M3
 - └ Integrated Cement Volume Minor Pip Every 0.1 M3
 - └ Integrated Cement Volume Major Pip Every 1 M3

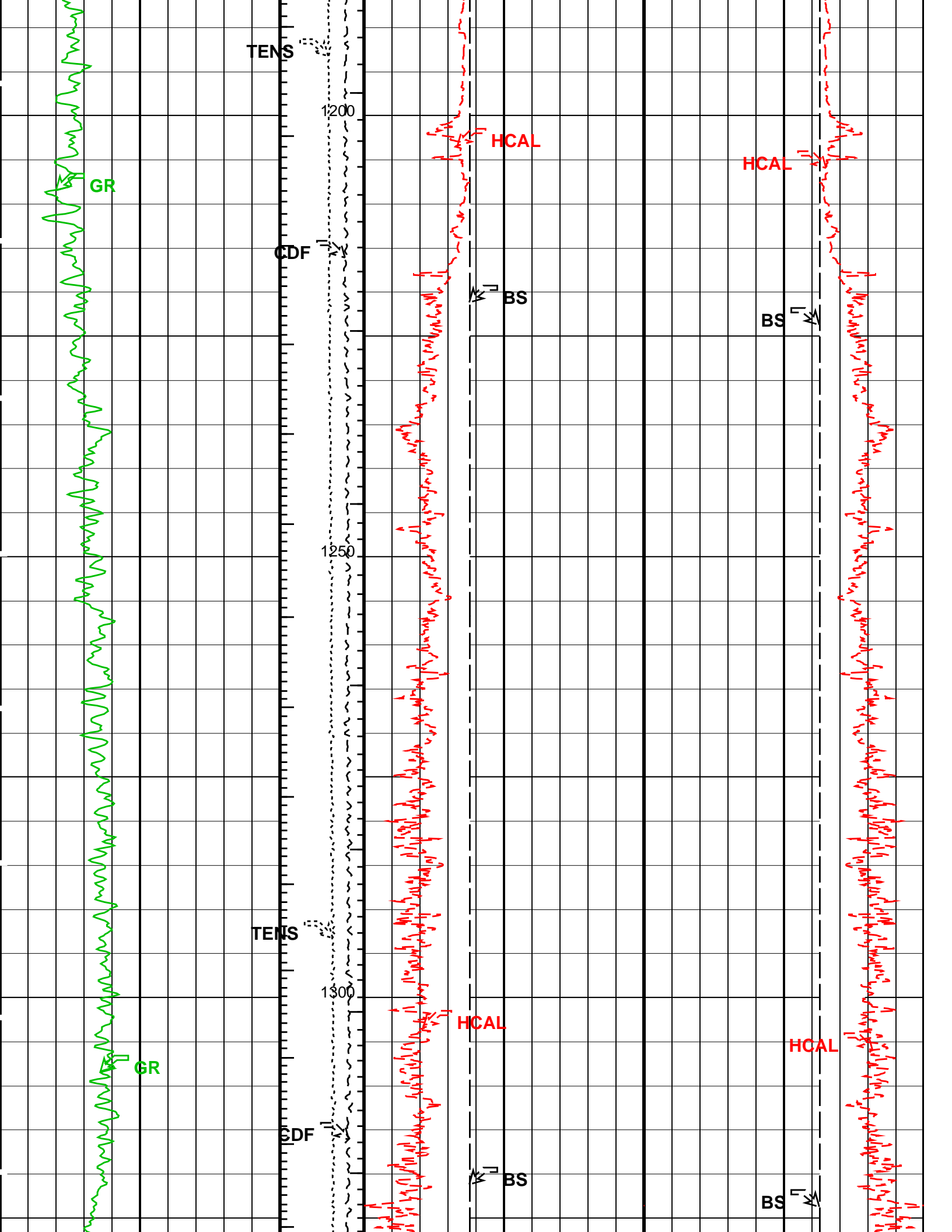
Time Mark Every 60 S

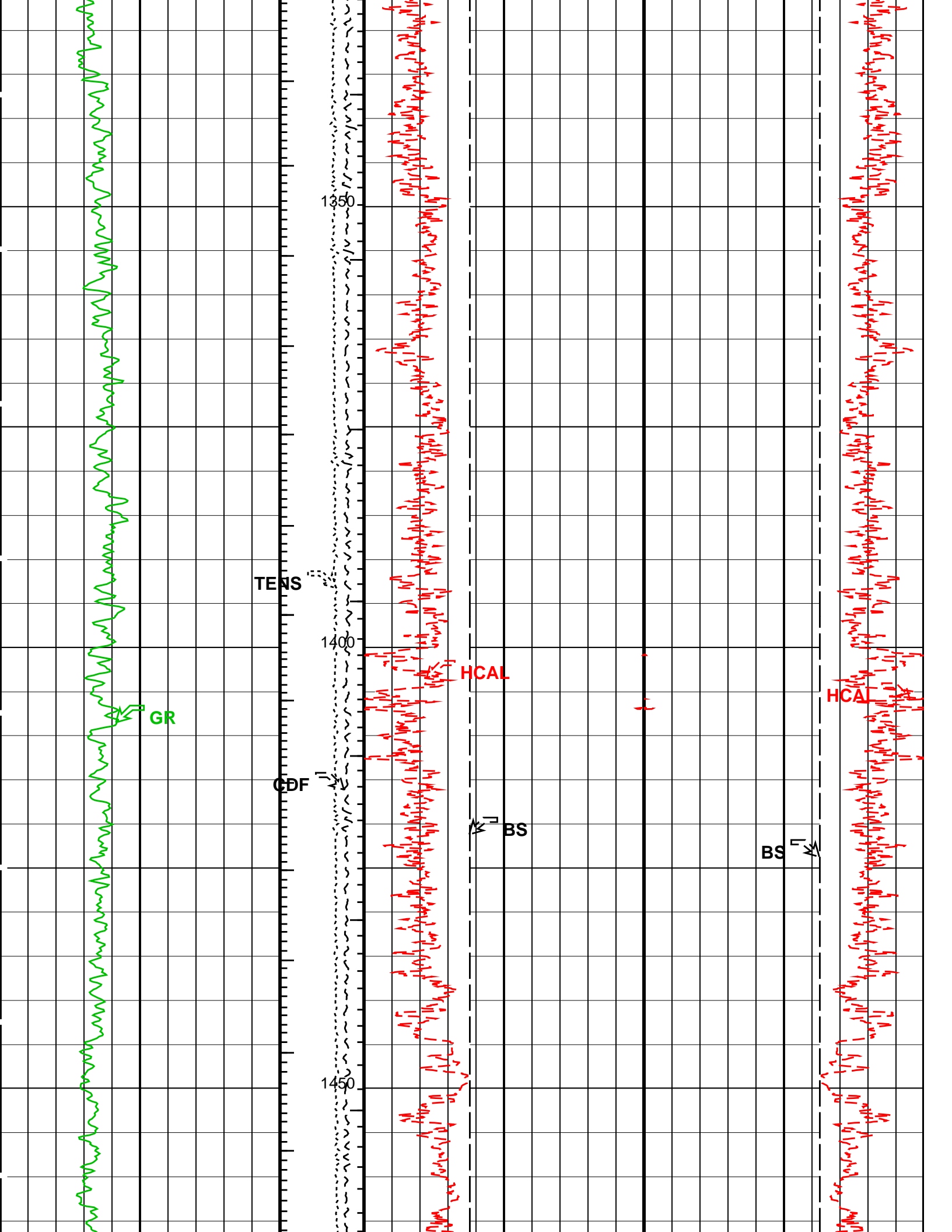


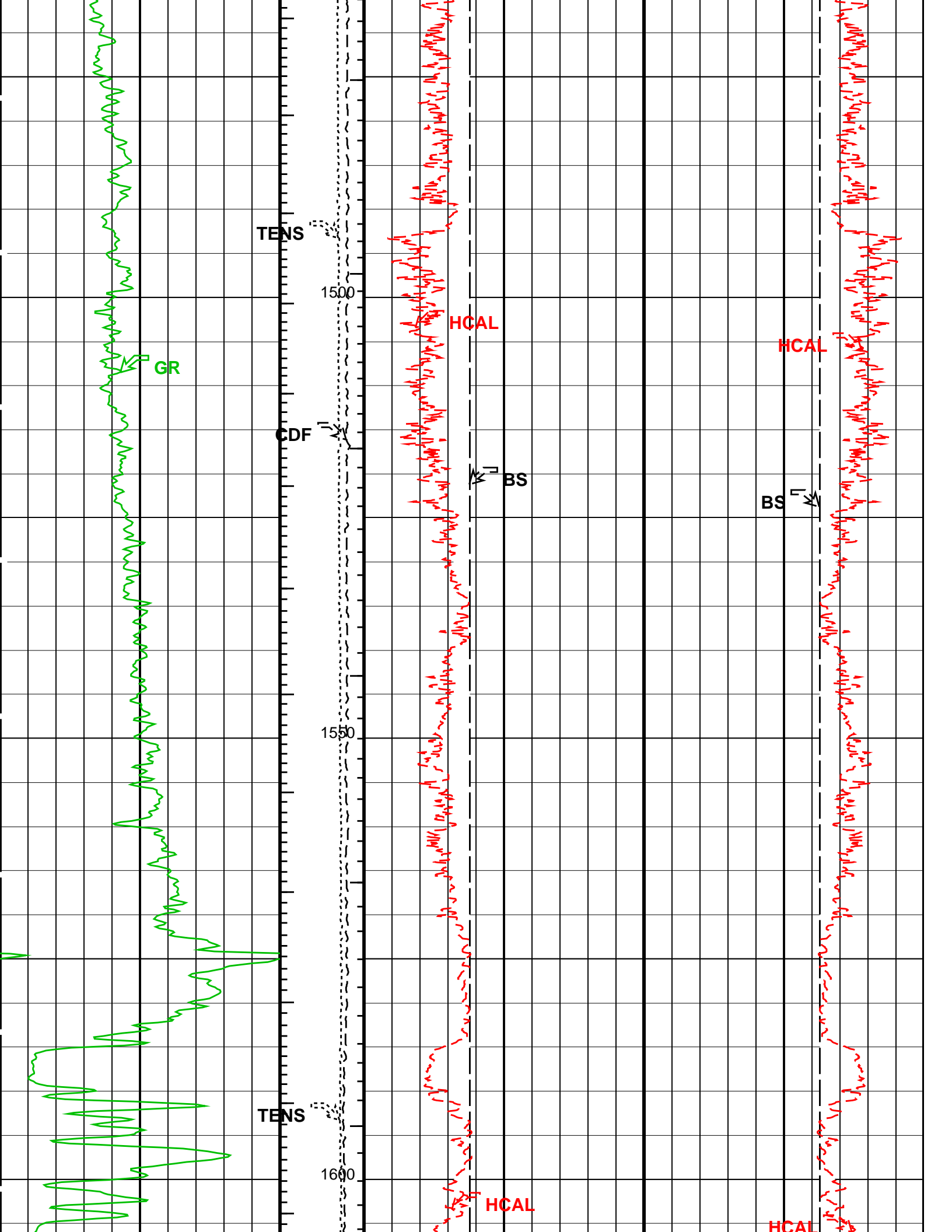


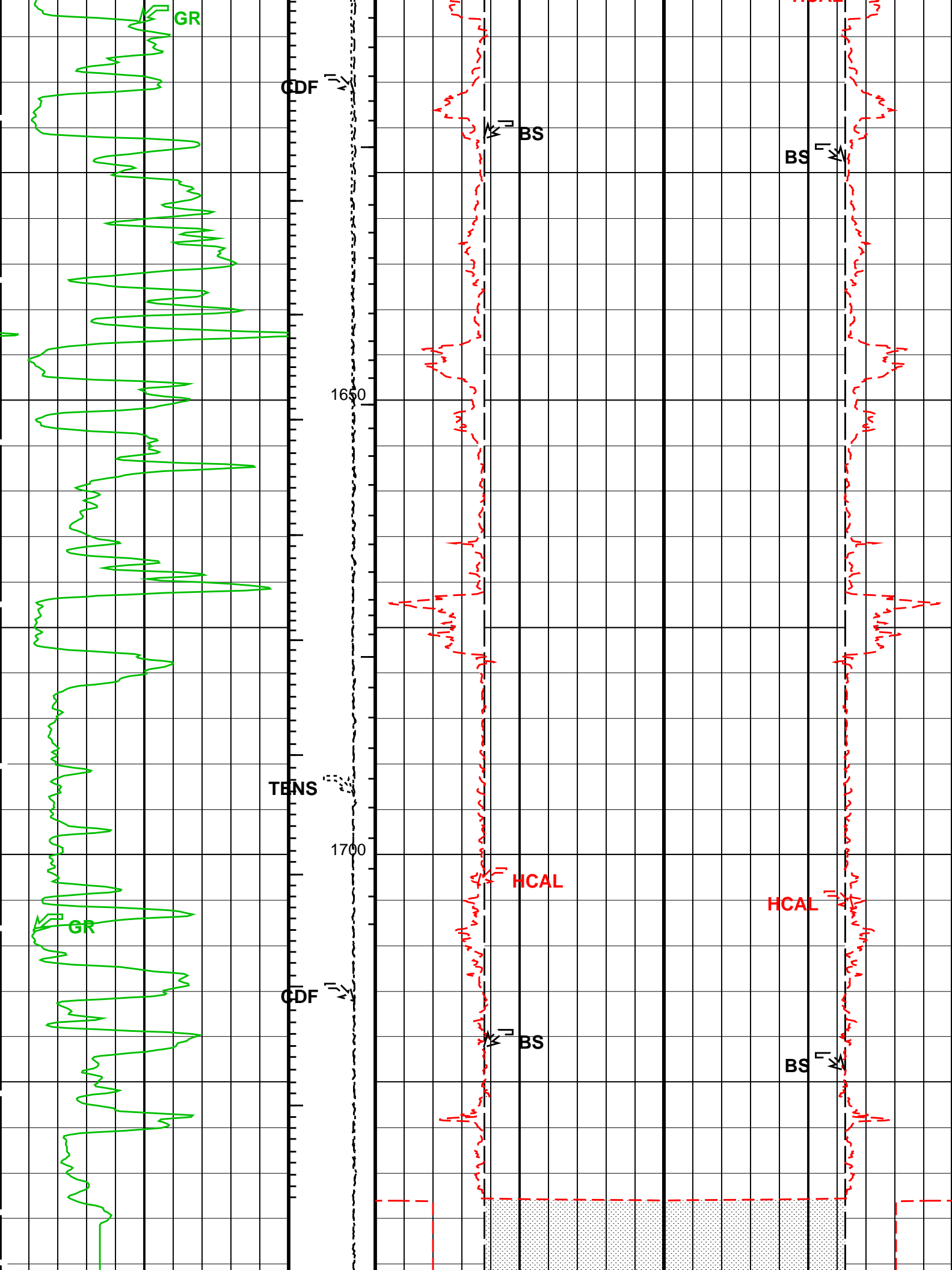


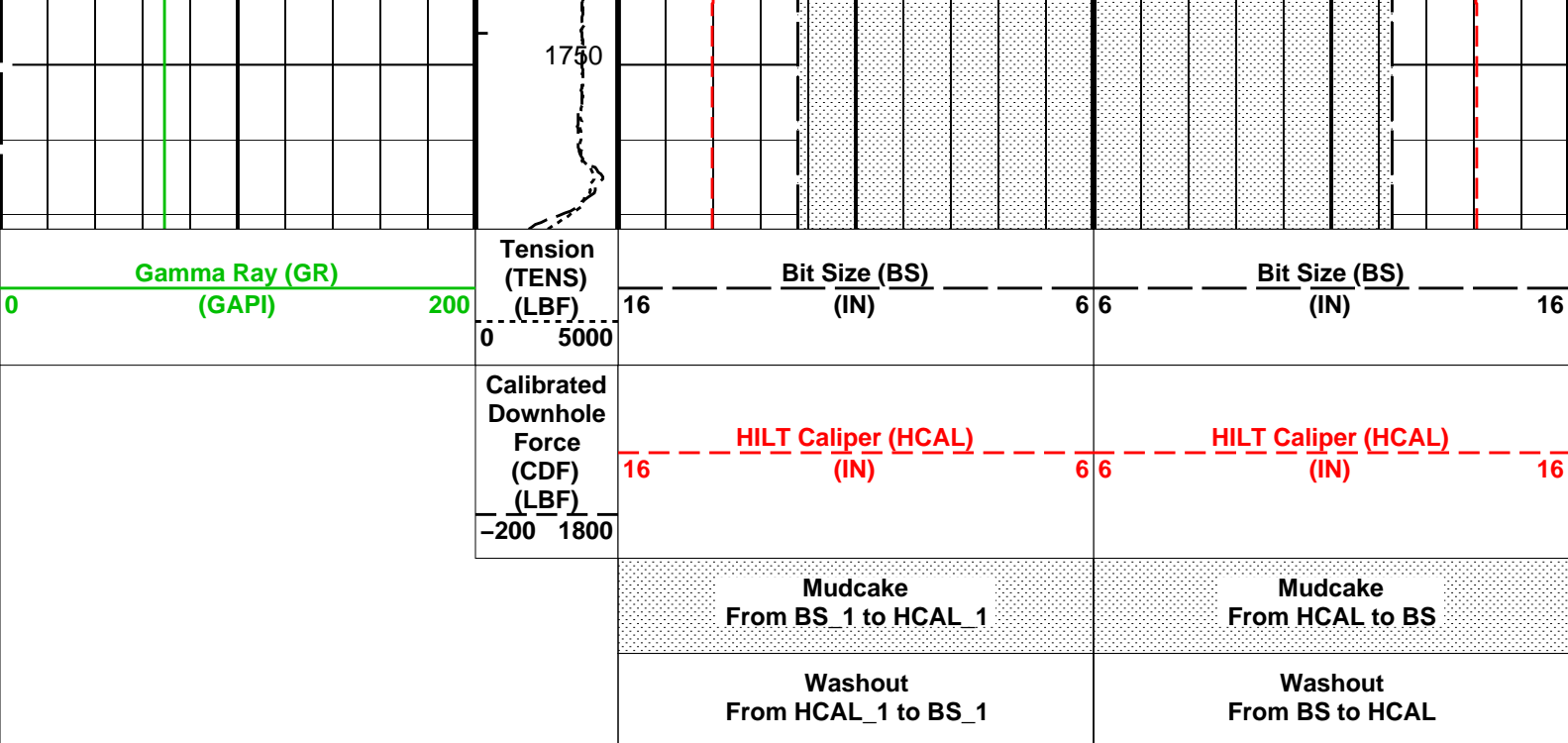












PIP SUMMARY

- └ 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
FCD	HOLEV: Integrated Hole/Cement Volume	9.625 IN
HVCS	Future Casing (Outer) Diameter	HCAL
BS	System and Miscellaneous	12.250 IN
DO	Bit Size	0.0 M
PP	Depth Offset for Playback	RECOMPUTE
TD	Playback Processing	1760 M
	Total Depth	

Format: CALIPER LOG 500 Vertical Scale: 1:500 Graphics File Created: 21-Jun-2008 21:32

OP System Version: 15C0-309

MCM

DSLT-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_014LUP FN:31	PRODUCER	21-May-2008 13:14	1761.0 M	689.2 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_034PUP FN:39	PRODUCER	21-Jun-2008 21:32
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Company: 3D Oil Limited

Schlumberger

Well: Wardie-1
Field: Exploration
Rig: West Triton
Country: Australia

BHC-HRLA-PEX-G

Sonic-Resistivity-Density-Neutron-G

Suite 1 Run 1 – Scale 1:500 (MD)