

[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		@	
RMC @ Measured Temperature		@	
Source RMF	RMC		
RM @ MRT	RMF @ MRT	@	@
Maximum Recorded Temperatures			
Circulation Stopped	Time		
Logger On Bottom	Time		
Unit Number	Location		
Recorded By			
Witnessed By			

Run 4

Date Created: 21-JUL-2008 21:05:52

Depth Measuring Device

Tension Device

Logging Cable

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.

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OS1: MDT-GR
OS2:
OS3:
OS4:
OS5:

Tool String run as per tool sketch with 7 x 2.5" standoffs and a bowspring.
Maximum recorded temperature was 56 degC obtained from LEH-QT thermometers (3 max. reading thermometers run at client request).
Neutron porosity corrected for hole size and mud weight.
Density corrected for bit size.
Repeat pass carried in High resolution mode from 1570 m to 1670 m as per client request.
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

Caliper logged up to casing shoe.

Chlorides = 38,000 mg/l.

KCl = 8.0 (% by weight).

Barite = 0.1(% by vol).

RUN 1 SERVICE ORDER #: PROGRAM VERSION: 15C0-309 FLUID LEVEL:			RUN 2 SERVICE ORDER #: PROGRAM VERSION: FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION	
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	RUN 1	RUN 2
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99	1	1
100	1	1

GSR-U/Y NCT-B CNB-AB NCS-VB	SURFACE EQUIPMENT WITM (DTS)-A	
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LEH-QT		23.69
LEH-QT 1181		
BSP	SP SPARC	22.39
AH-369	CTEM	22.80
	HGNS HTEM	21.68
DTC-H	HMCA	21.04
ECH-KC 10020	TelStatus	21.96
DTCH0-A 8944	ToolStatu	21.04
HILTB-FTB	HGNS Gamm	20.82
HGNSD-B 856		21.04
HMCA		
HGNH 3915		
NLS-KL	HGNS Neut	19.04
NSR-F 5224	HGNS Neut	18.88
HACCZ 379		
HCNT	HGNS sens	18.17
HGR		
HRCC-B 868		
HRMS-B 788	HRCC cart	16.95
HRGD-BC 1806		
GLS-J 5334	MCFL	15.30
MCFL Device 1	HILT cali	15.15
HILT Nucl. LS 28356	HRDD-LS	
HILT Nucl. SS 14120	HRDD-SS	
HILT Nucl. BS 26468	HRDD-BS	15.03
BOW-SPR		
NPV-N 5224		
AH-107 2840		14.44
AH-107 2840		
AH-107 2910		13.83
AH-107 2910		
HRLT-B		13.22
HRUH-B 847		2.5 IN
HRUC-B 848		Standoff
HRLS-B 848		2.5 IN
HRLH-B 851		Standoff
HRLC-B 845		
AH-270 851		

High Res

964

High RCS.

5.84

2.5 IN
Standoff
2.5 IN
Standoff

5.85
2.5 IN
Standoff

USF
LSF USN
LSN

3.11
2.81
2.50

DSLT Aux.
DF
HTEN HMAS HV
Accelerom
Tension

0.14
2.5 IN
Standoff
2.5 IN
Standoff

0.00

0.14

TOOL ZERO

MAXIMUM STRING DIAMETER 8.63 IN
MEASUREMENTS RELATIVE TO TOOL ZERO
ALL LENGTHS IN METERS

Client: 3D Oil

Well: Wardie-1

Field: Exploration

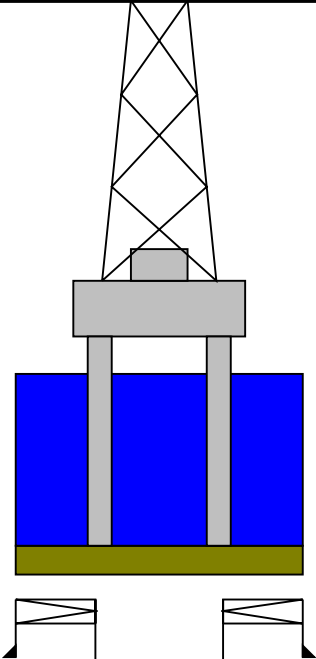
State: Victoria

Country: Australia

Rig Name: West Triton

Reference Datum: Mean Sea Level

Elevation: 38.0 m

Production String	(in)			Well Schematic	(m)			Casing String
	OD	ID	MD		MD	OD	ID	
Kelly Bushing Elevation Derrick Floor Elevation Mean Sea Level			38.0					Casing Shoe
			38.0					
			0.0					
					39.5			
					133.0	30.000	28.00	

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
1:200**

MAXIS Field Log

Company: 3D Oil Limited

Well: Wardie-1

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_028PUP FN:33	PRODUCER	19-Jun-2008 23:36	1675.0 M	1565.8 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_030PUP FN:35	PRODUCER	19-Jun-2008 23:42	1528.1 M	1421.0 M
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Indexed to True Vertical Depth in this Playback

Integrated Hole/Cement Volume Summary

Hole Volume = 39.80 M3
Cement Volume = 18.16 M3 (assuming 9.63 IN casing O.D.)
Computed from 1759.9 M to 1298.9 M using data channel(s) HCAL

OP System Version: 15C0-309

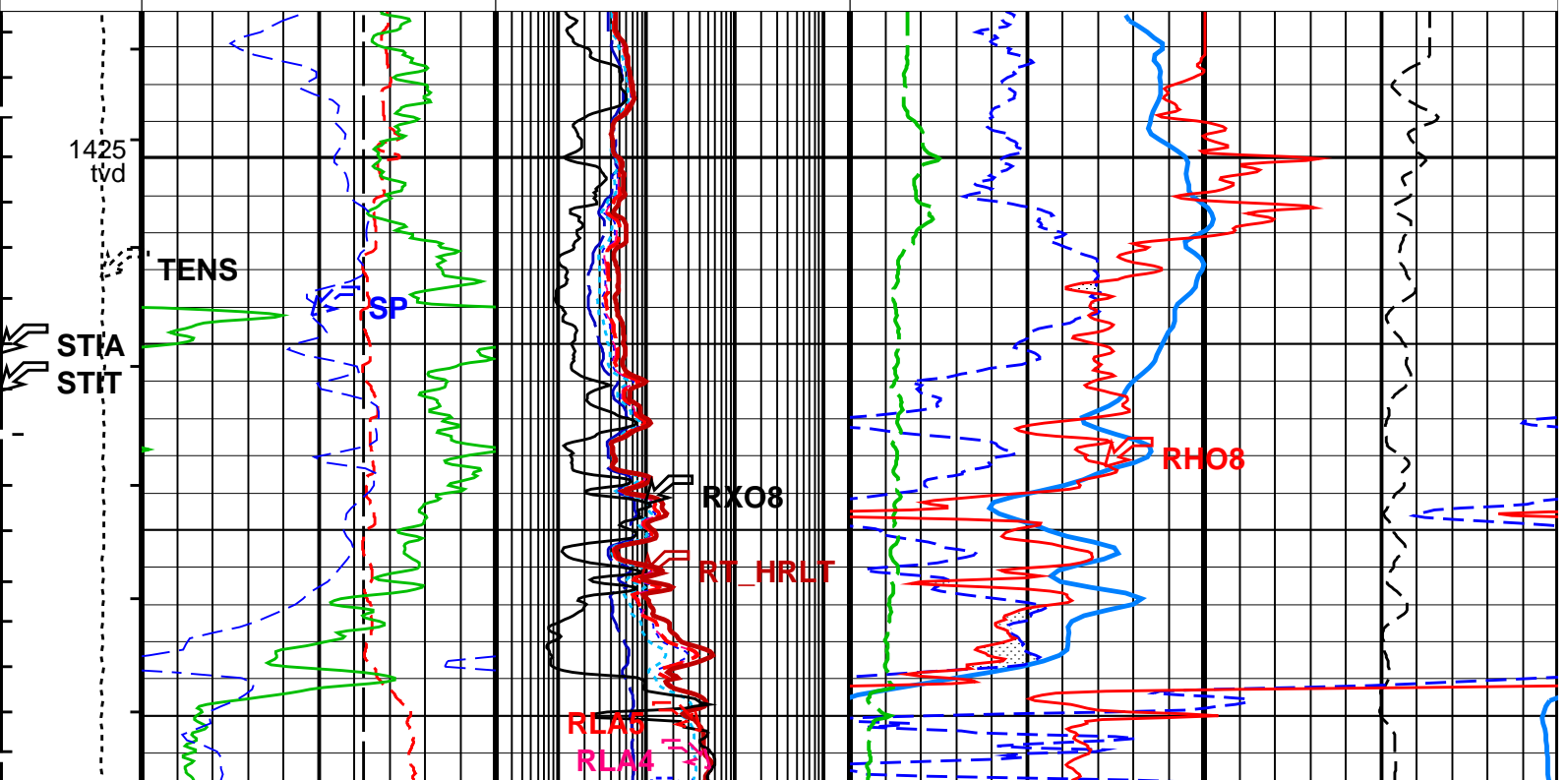
MCM

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



1450
tyd

1475
tyd

RLA8
RLA2

RLA1

EHGR

HCAL

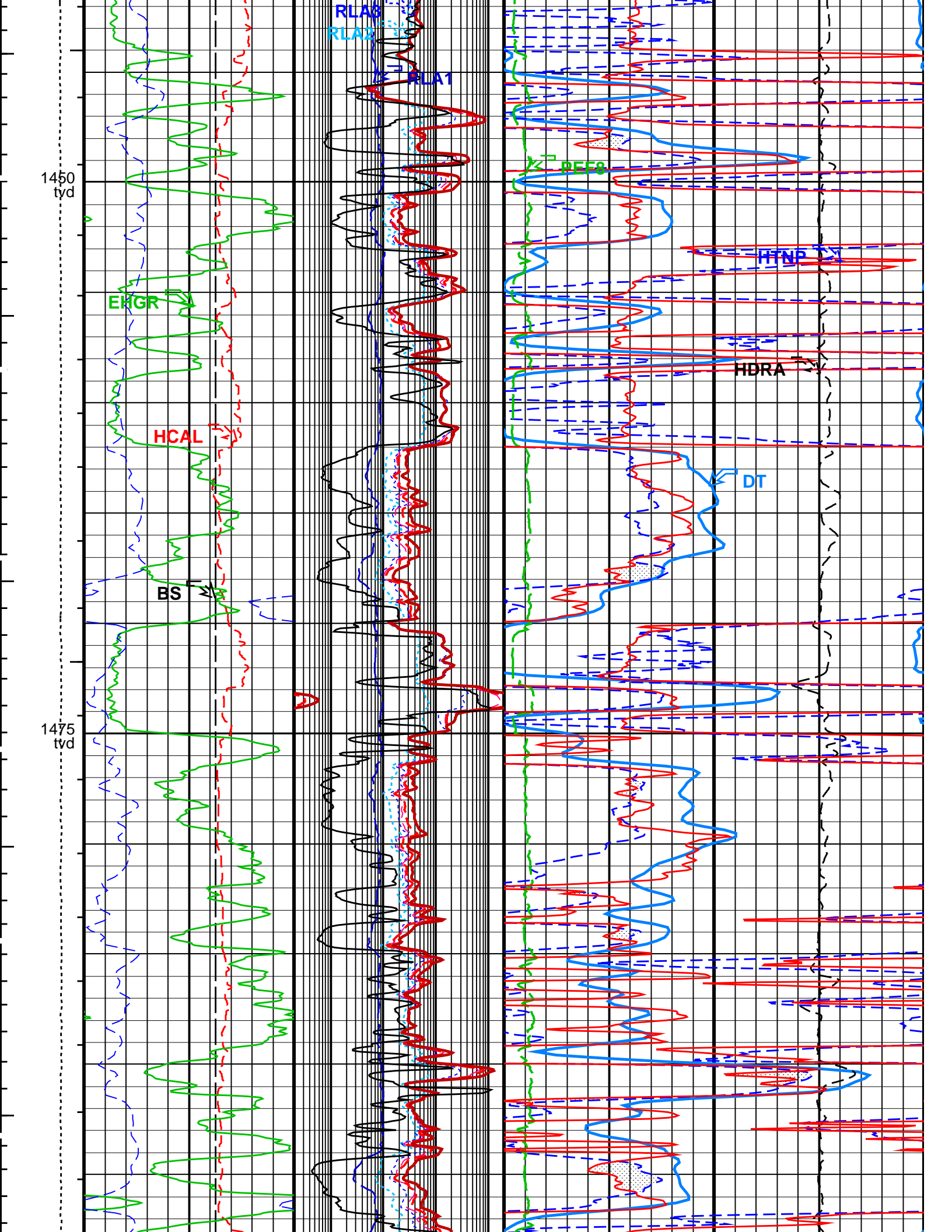
BS

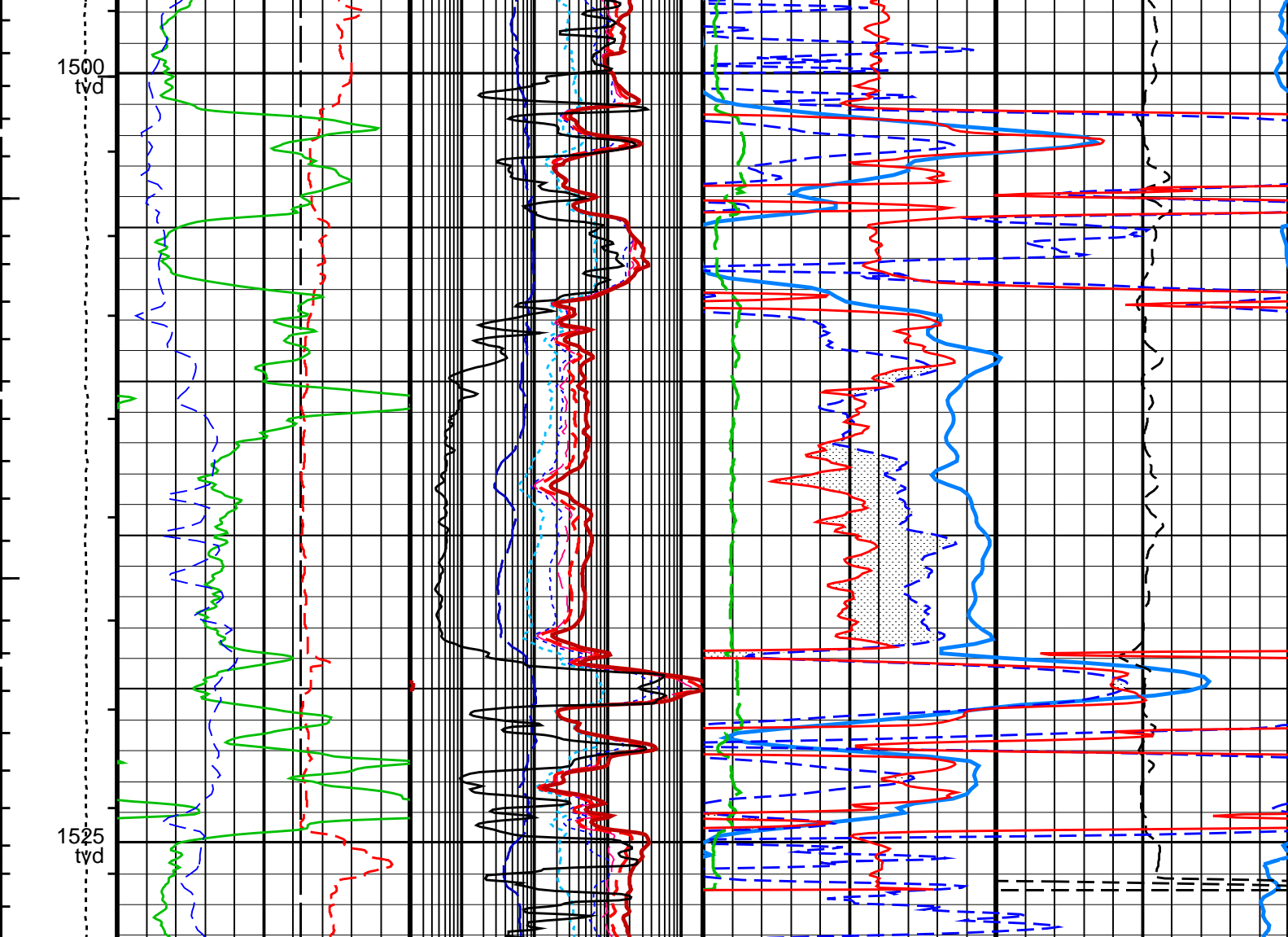
DEF8

HTNP

HDRA

DT





Tension (TENS) (LBF)	6 0	5000	Bit Size (BS) (IN)	6 16	HRLT Resistivity 1 (RLA1) (OHMM)	0.2 2000	Delta-T (DT) (US/F)	140 40
Stuck Stretch (STIT) (M)	6 0	20	HILT Caliper (HCAL) (IN)	6 16	HRLT Resistivity 2 (RLA2) (OHMM)	0.2 2000	HiRes TNPH (HTNP) (V/V)	0.45 -0.15
Cable Drag From D4T to STIT	0	200	Gamma Ray (EHGR) (GAPI)	0	HRLT Resistivity 3 (RLA3) (OHMM)	0.2 2000	H. Res. Formation Pe (PEF8) (---- 10)	0 10
Tool/Tot. Drag From D4T to STIA	-80	20	SP (SP) (MV)	-80 20	HRLT Resistivity 4 (RLA4) (OHMM)	0.2 2000	H. Res. Formation Density (RHO8) (G/C3)	1.95 2.95
Area From HCAL to BS		HRLT Resistivity 5 (RLA5) (OHMM)		Sand From RHO8 to HTNP				
		H. Res. Invaded Zone Resistivity (RXO8) (OHMM)						
		HRLT True Resistivity (RT_HRLT) (OHMM)						

- └ 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	
DSLTL-FTB: Digitizing Sonic Logging Tool			
	Telemetry Mode	DSLCL_FTB	
	DSLTL Firing Mode	SDDB	
AGC	Automatic Gain Control Status	ON	
AMSG	Auxiliary Minimum Sliding Gate	140	US
CBAF	CBL Adjustment Factor	1	
CBLG	CBL Gate Width	45	US
CDTS	C-Delta-T Shale	100	US/F
DDEL	Digitizing Delay	0	US
DETE	Delta-T Detection	E2	
DFAD	Digital First Arrival Detection Switch	HOST	
DIVL	DSLTL Depth Sampling Interval	20	
DRCS	DSLTL 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	SDDB	
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	
WGAJ	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)	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
GRGD	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	

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	
PROGINV	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	
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	703.8	M
TIND	North Departure of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	667.9	M
System and Miscellaneous			
ALTDPC	Name of alternate depth channel	TrueVerticalDepth	
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	YES	
PP	Playback Processing	OFF	
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_D200
Vertical Scale: 1:200
Graphics File Created: 19-Jun-2008 23:42

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		

True Vertical Depth Log					
Indexed to True Vertical Depth in this Playback					
Input DLIS Files					
DEFAULT	SONIC_HRLA_TLD_MCFL_028PUP	FN:33	PRODUCER	19-Jun-2008 23:36	1675.0 M 1565.8 M
Output DLIS Files					
DEFAULT	SONIC_HRLA_TLD_MCFL_030PUP	FN:35	PRODUCER	19-Jun-2008 23:42	



Standard Resolution Pass
1:200

MAXIS Field Log

Company: 3D Oil Limited						Well: Wardie-1
Input DLIS Files						
DEFAULT	SONIC_HRLA_TLD_MCFL_029PUP	FN:34	PRODUCER	19-Jun-2008 23:37	1761.0 M	1298.8 M
Output DLIS Files						
DEFAULT	SONIC_HRLA_TLD_MCFL_032PUP	FN:37	PRODUCER	19-Jun-2008 23:46	1613.3 M	1173.8 M
Indexed to True Vertical Depth in this Playback						

Integrated Hole/Cement Volume Summary

Hole Volume = 39.80 M3

Cement Volume = 18.16 M3 (assuming 9.63 IN casing O.D.)

Computed from 1759.9 M to 1298.9 M using data channel(s) HCAL

OP System Version: 15C0-309

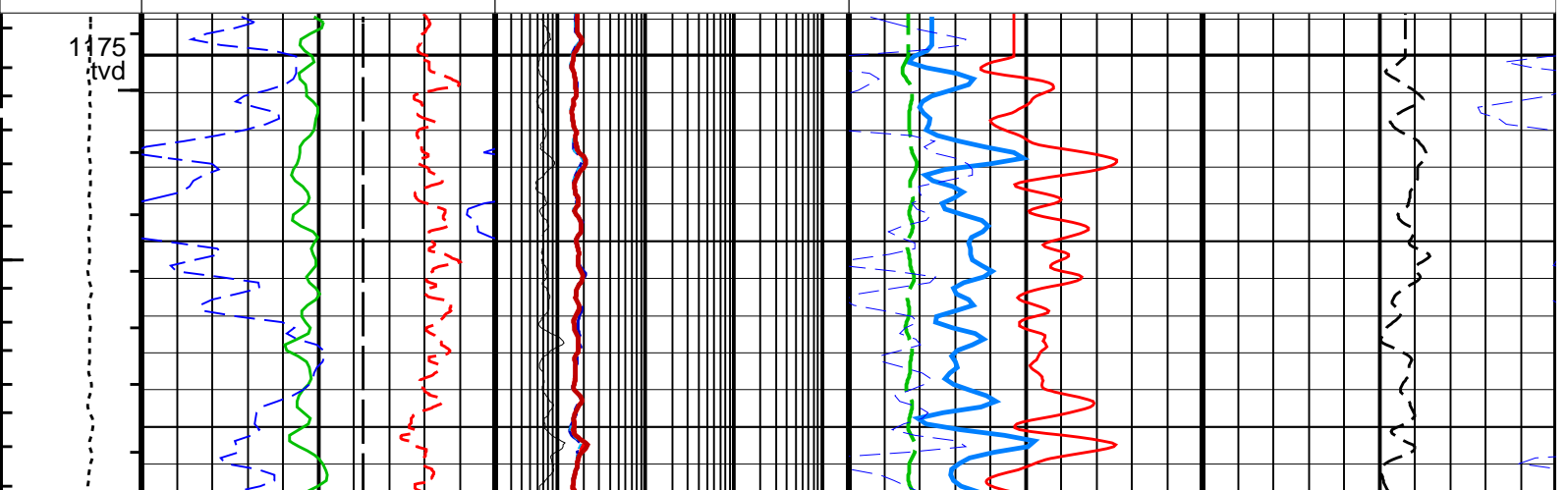
MCM

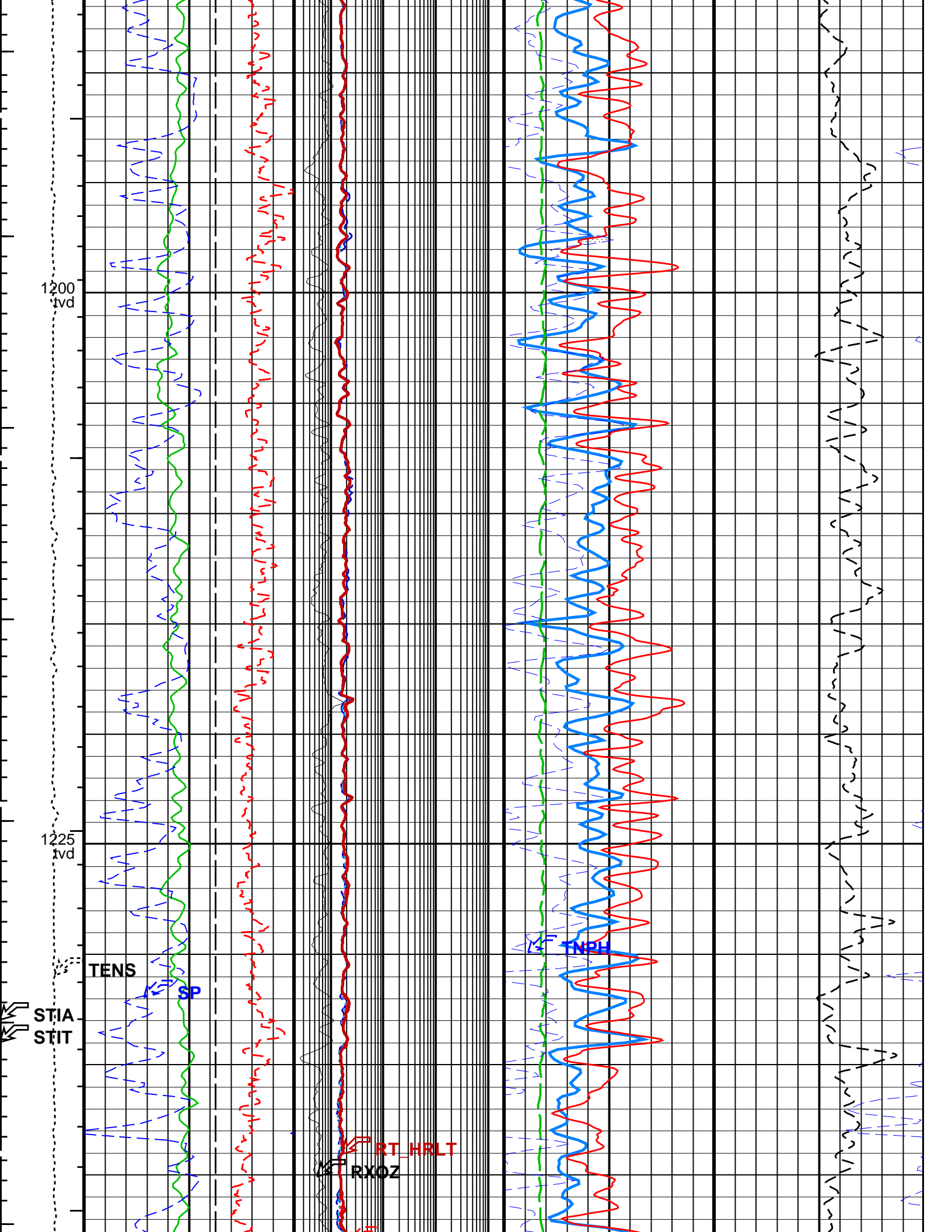
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HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

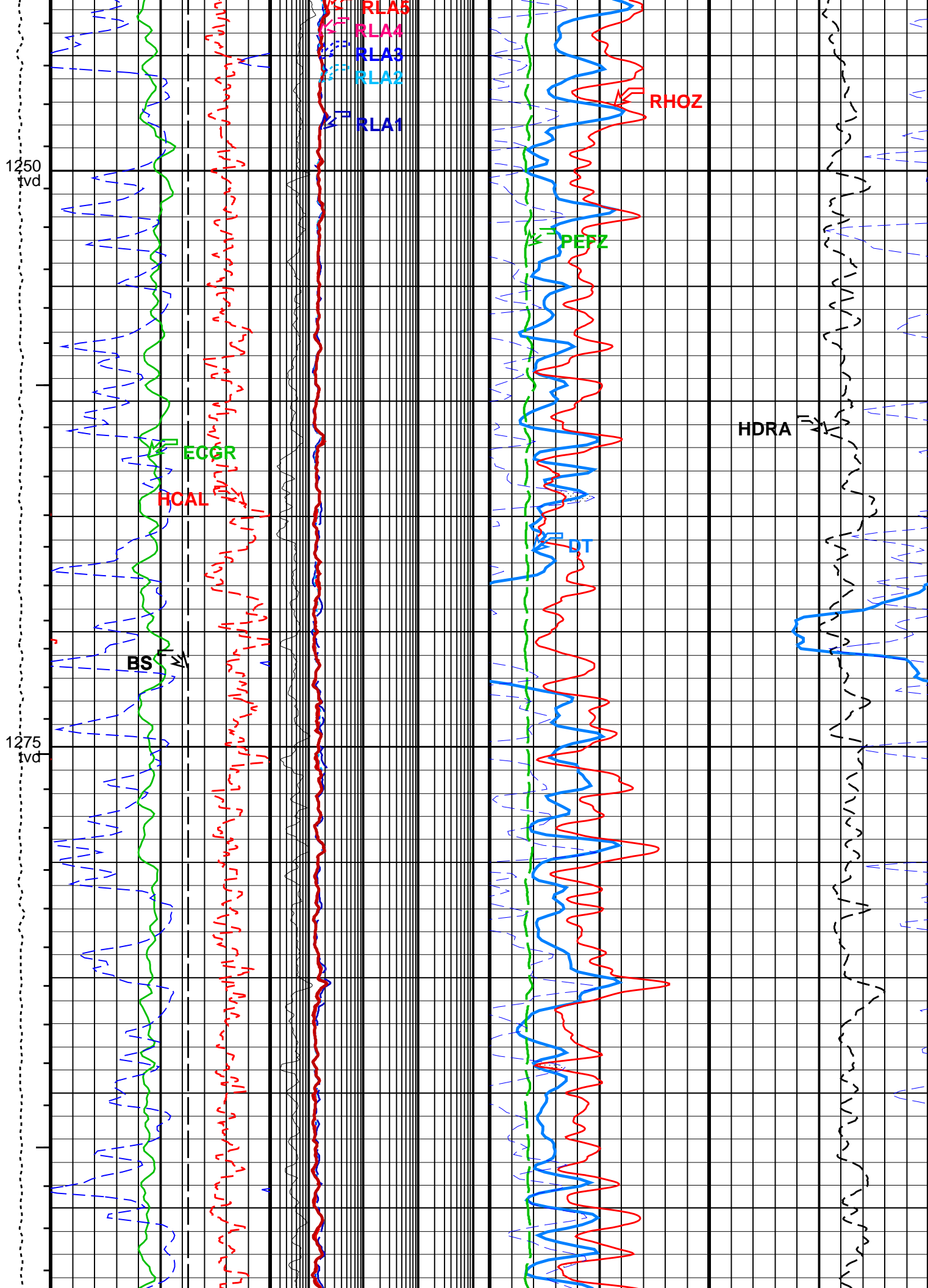
PIP SUMMARY

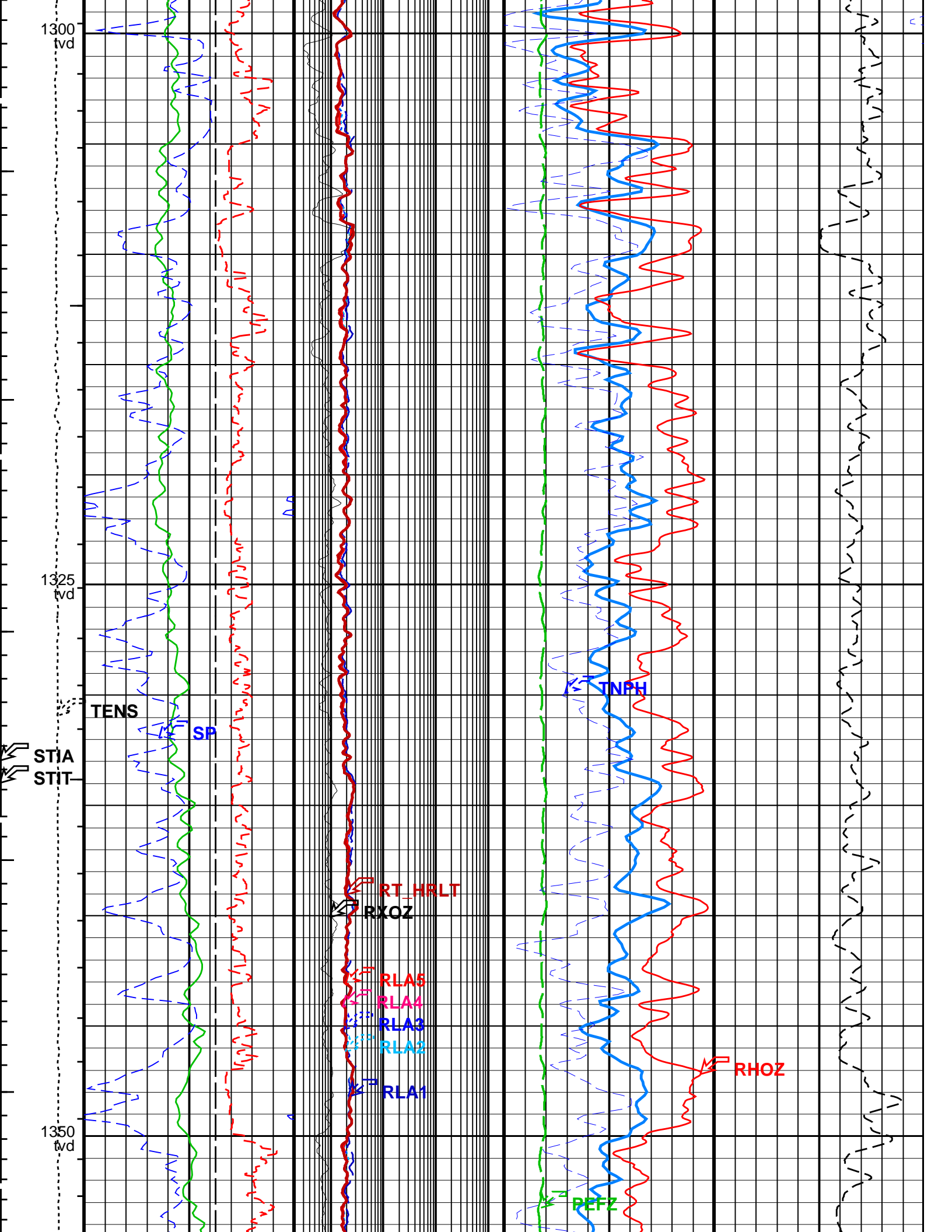
- └ Integrated Hole Volume Minor Pip Every 0.1 M3
- └ Integrated Hole Volume Major Pip Every 1 M3
 - └ Integrated Cement Volume Minor Pip Every 0.1 M3
 - └ Integrated Cement Volume Major Pip Every 1 M3
- Time Mark Every 60 S

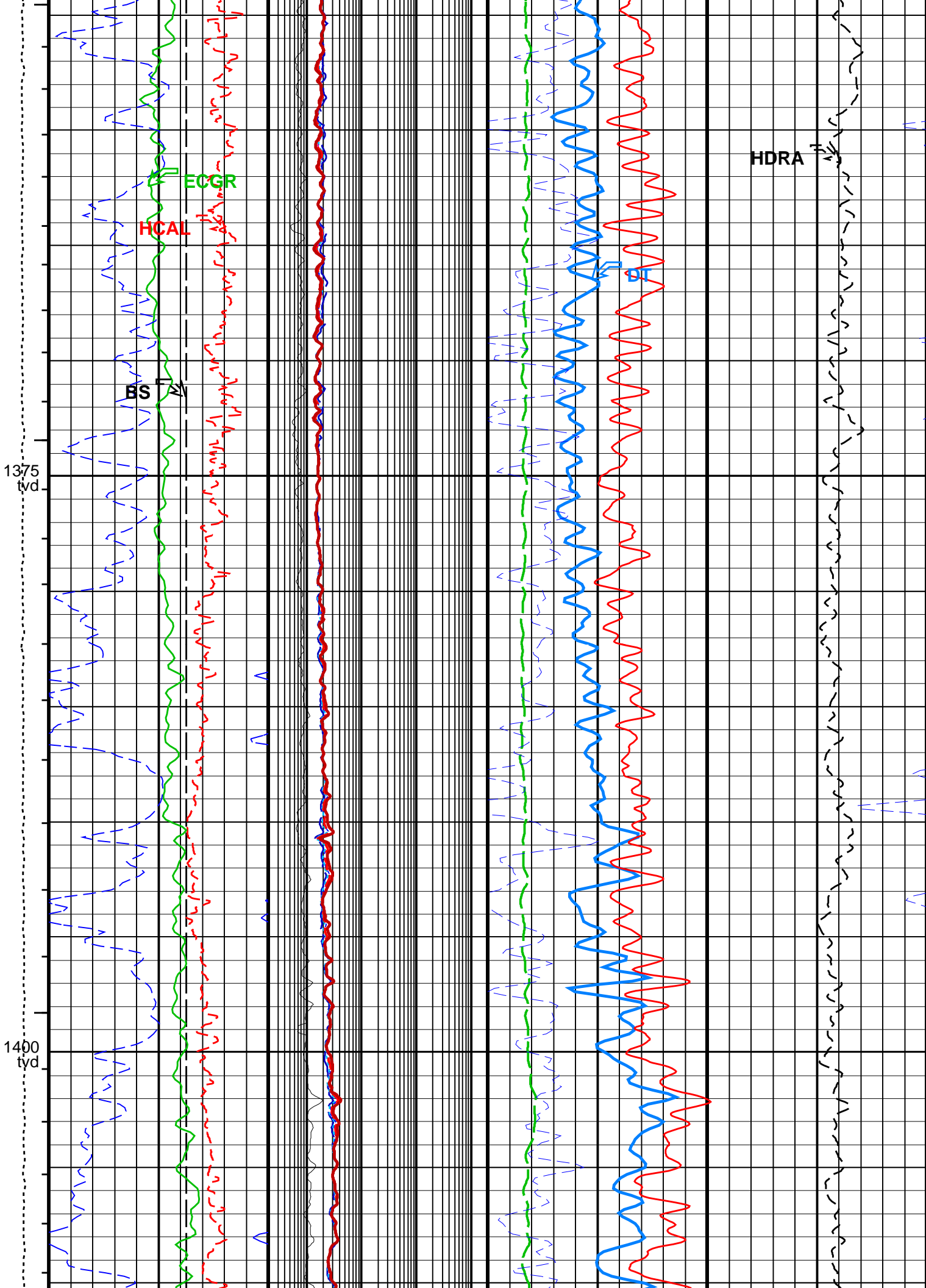
		HRLT True Resistivity (RT_ HRLT)			
		0.2	(OHMM)	2000	
		Std. Res. Invaded Zone Resistivity (RXOZ)			
		0.2	(OHMM)	2000	
Stuck Tool Indicator, Adjusted (STIA)	Area From HCAL to BS	HRLT Resistivity 5 (RLA5)		Sand From RHOZ to TNPH	
0 (M) 20		0.2	(OHMM)	2000	
Tool/Tot. Drag From D4T to STIA	SP (SP) (MV)	HRLT Resistivity 4 (RLA4)		Env.Corr.Thermal Neutron Porosity (TNPH) (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
0 (M) 20					
Tension (TENS) (LBF)	Bit Size (BS) (IN)	HRLT Resistivity 1 (RLA1)		Delta-T (DT) (US/F)	
6	16	0.2	(OHMM)	2000	140 40
0	5000				

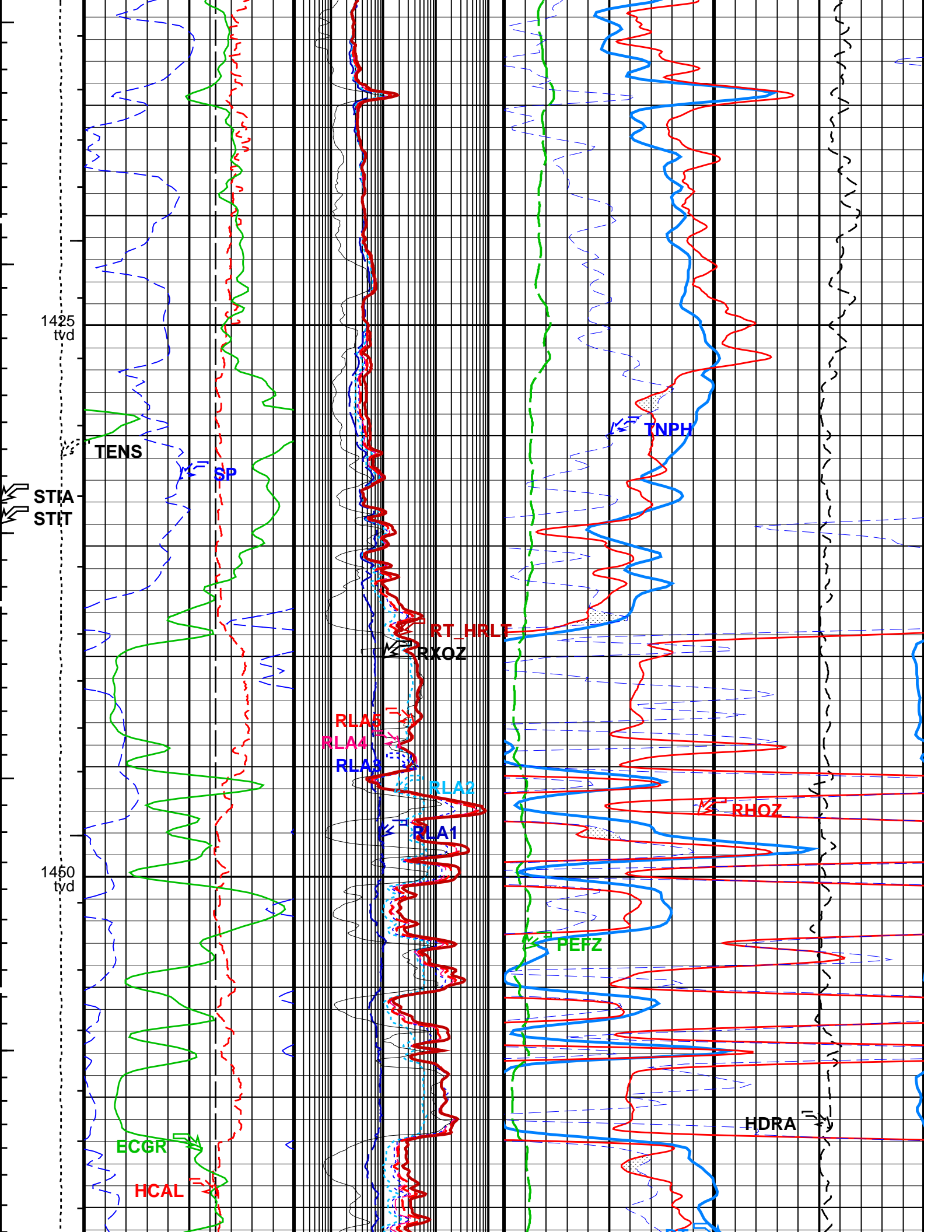


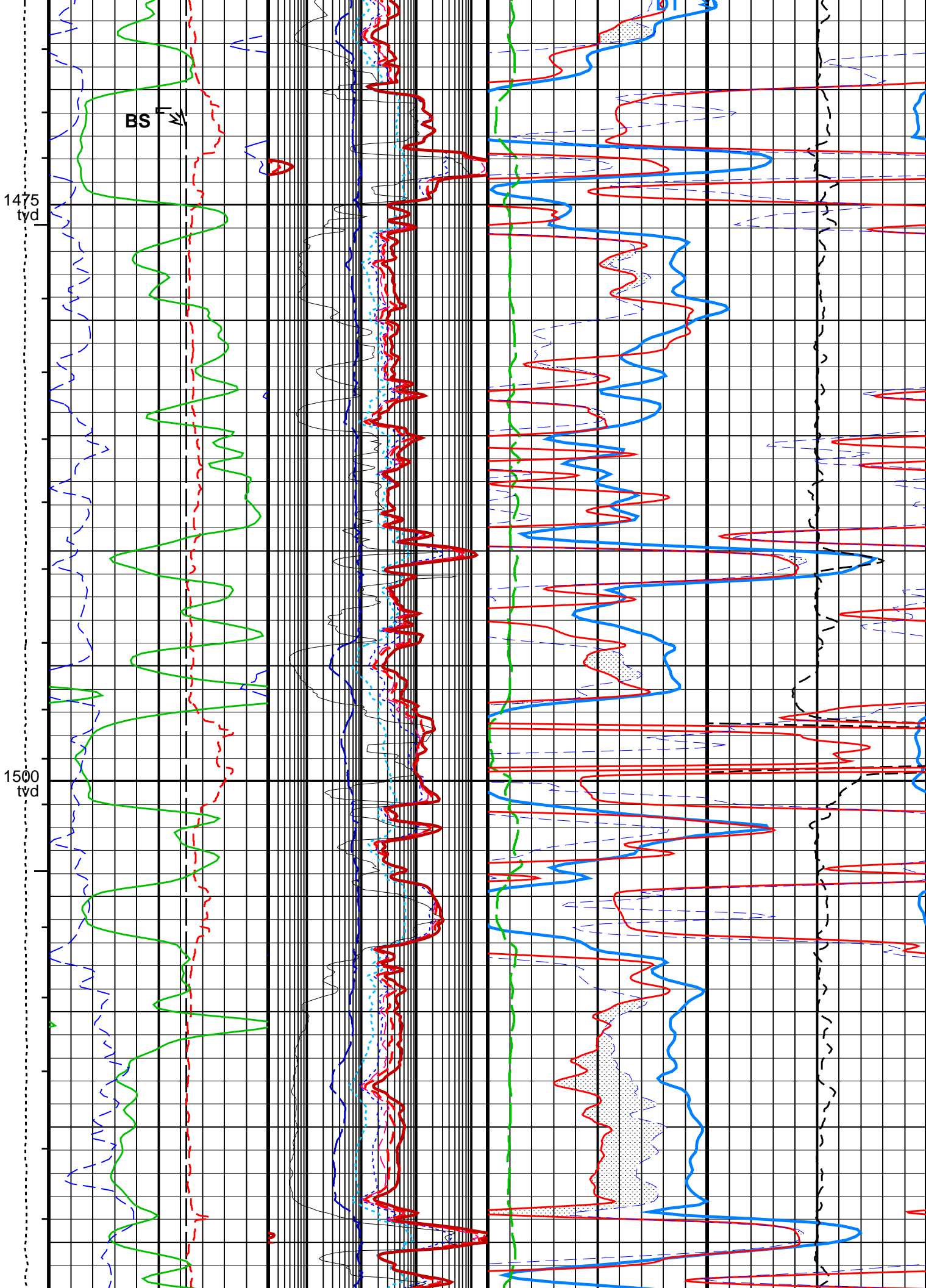


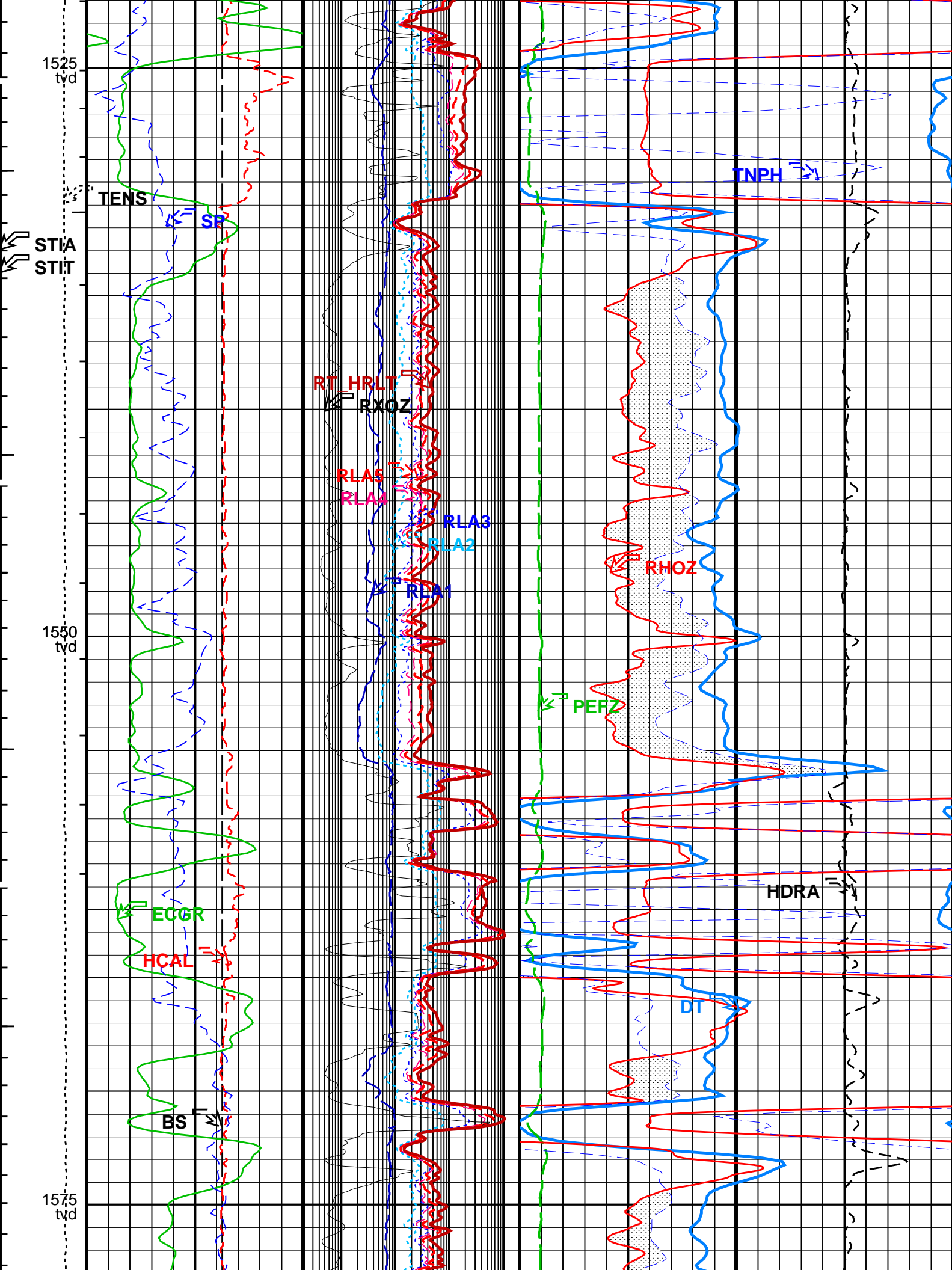


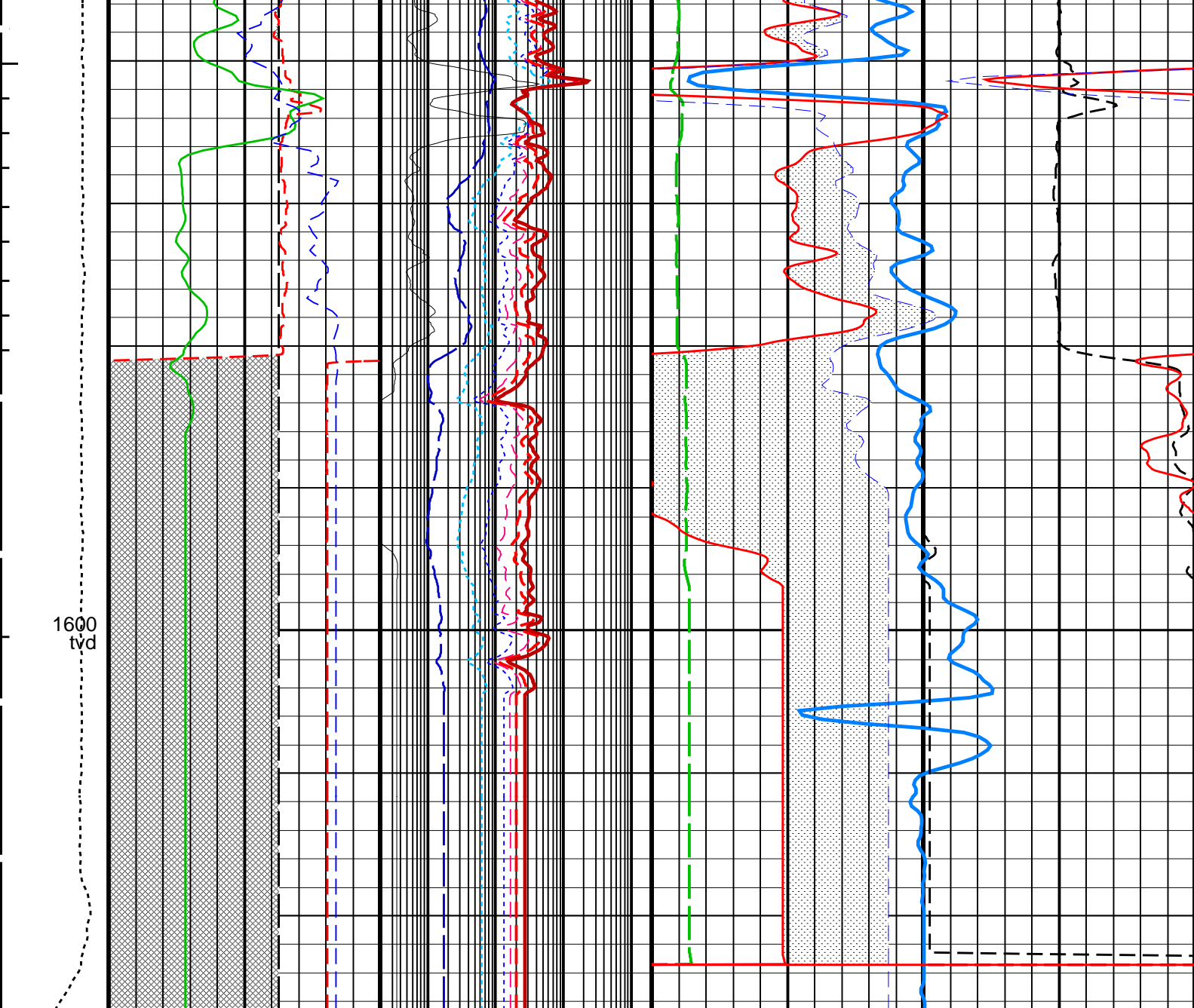












Tension (TENS) (LBF)	Bit Size (BS) (IN)	HRLT Resistivity 1 (RLA1) (OHMM)	Delta-T (DT) (US/F)
0 5000	6 16	0.2 2000	140 40
Stuck Stretch (STIT) (M)	HILT Caliper (HCAL) (IN)	HRLT Resistivity 2 (RLA2) (OHMM)	Std. Res. Formation Pe (PEFZ) (---- 10)
0 20	6 16	0.2 2000	0 10
Cable Drag From D4T to STIT	Gamma 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) (M)	Area From HCAL to BS	HRLT Resistivity 5 (RLA5) (OHMM)	Sand From RHOZ to TNPH
0 20		0.2 2000	

	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	
DSLTLT-FTB: Digitizing Sonic Logging Tool			
	Telemetry Mode	DSLTLT_FTB	
	DSLTLT Firing Mode	SDDLBT	
AGC	Automatic Gain Control Status	ON	
AMSG	Auxiliary Minimum Sliding Gate	140	US
CBAF	CBL Adjustment Factor	1	
CBLG	CBL Gate Width	45	US
CDTS	C-Delta-T Shale	100	US/F
DDEL	Digitizing Delay	0	US
DETE	Delta-T Detection	E2	
DFAD	Digital First Arrival Detection Switch	HOST	
DIVL	DSLTLT Depth Sampling Interval	20	
DRCS	DSLTLT DLIS Recording Size	180	
DSIN	Digitizing Sample Interval	10	
DTCM	Delta-T Computation Mode	FULL	
DTF	Delta-T Fluid	189	US/F
DTFS	DSLTLT 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	
MGA	Maximum Gain	60	
MIGA	Minimum Gain	1	
MNHTR	Minimum High Threshold Reference	100	
MODE	Sonic Firing Mode	SDDLBT	
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	
WGA	Waveform Manual Gain	20	
WGDT	Waveform Gain Delta-T	240	US/F
WGIN	Waveform Gain Interval	2540	US
WMOD	Waveform Firing Mode	FULL	
HRLTLT-B: High Resolution Laterolog Array - E			
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	56	DEGC
CALSTAT	HRLTLTB Calibration Status	SHALLOW_DONE	
CALTEMP	HRLTLTB Calibration Temperature	47.801	DEGC
FREQ0	HRLTLT Frequency Index for Mode 0	32	
FREQ1	HRLTLT Frequency Index for Mode 1	128	
FREQ2	HRLTLT Frequency Index for Mode 2	104	
FREQ3	HRLTLT Frequency Index for Mode 3	86	
FREQ4	HRLTLT Frequency Index for Mode 4	56	
FREQ5	HRLTLT Frequency Index for Mode 5	44	
FREQ6	HRLTLT 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	
PROCNFL	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	
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

BHT	Bottom Hole Temperature (used in calculations)	30	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	703.8	M
TIND	North Departure of Tie-in Point	0	M
TIVD	TVD of Tie-in Point	667.9	M
System and Miscellaneous			
ALTDPCCHAN	Name of alternate depth channel	TrueVerticalDepth	
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	YES	
PP	Playback Processing	OFF	
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: SON_RES_DENS_NEU_GR_SP_D200 Vertical Scale: 1:200 Graphics File Created: 19-Jun-2008 23:46

OP System Version: 15C0-309

MCM

DSLTT-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		

True Vertical Depth Log

Indexed to True Vertical Depth in this Playback

Input DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_029PUP FN:34	PRODUCER	19-Jun-2008 23:37	1761.0 M	1298.8 M
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_032PUP FN:37	PRODUCER	19-Jun-2008 23:46
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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 1:200 (TVD)

