

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

[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		@	
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			

OTHER SERVICES1
OS1: MDT-GR
OS2:
OS3:
OS4:
OS5:
REMARKS: RUN NUMBER 1
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

as per client request.
Caliper logged up to casing shoe.
Mud properties taken from Daily Mud Report #11 for 19-May-2008:
Chlorides = 38,000 mg/l.
KCl = 8.0 (% by weight).
Barite = 0.1(% by vol).

RUN 1			RUN 2		
SERVICE ORDER #:			SERVICE ORDER #:		
PROGRAM VERSION:			PROGRAM VERSION:		
FLUID LEVEL:			FLUID LEVEL:		
LOGGED INTERVAL	START	STOP	LOGGED INTERVAL	START	STOP

EQUIPMENT DESCRIPTION

RUN 1

RUN 2

SURFACE EQUIPMENT

WITM (DTS)-A

GSR-U/Y

NCT-B

CNB-AB

NCS-VB

DOWNHOLE EQUIPMENT

LEH-QT

LEH-QT 1181

23.69

BSP

SP SPARC

22.39

22.80

AH-369

CTEM

21.68

22.39

DTC-H

HGNS HTEM

21.04

21.96

ECH-KC 10020

HMCA

21.04

DTCH0-A 8944

TelStatus

21.04

HILTB-FTB

ToolStatu

20.82

21.04

HGNSD-B 856

HGNS Gamm

19.04

HMCA

HGNS Neut

18.88

HGNSH 3915

HGNS Neut

18.17

NLS-KL

HGNS sens

16.95

NSR-F 5224

HRCC cart

15.30

HACCZ 379

MCFL

15.15

HCNT

HILT cali

15.03

HGR

HRDD-LS

HRCC-B 868

HRDD-SS

HRMS-B 788

HRDD-BS

HRGD-BC 1806

15.03

GLS-J 5334

14.44

MCFL Device 1

13.83

HILT Nucl. LS 28356

13.22

HILT Nucl. SS 14120

2.5 IN

HILT Nucl. BS 26468

Standoff

BOW-SPR

2.5 IN

NPV-N 5224

Standoff

AH-107 2840

13.22

AH-107 2840

2.5 IN

AH-107 2910

Standoff

AH-107 2910

2.5 IN

HRLT-B

Standoff

HRLH-B 847

2.5 IN

HRLC-B 845

Standoff

AH-270 851

2.5 IN

High Res

2.64

High Res.

9.64

2.5 IN
Standoff
2.5 IN
Standoff

5.85
2.5 IN
Standoff

USF
LSF USN
LSN

3.11
2.81
2.50

DSLTL 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

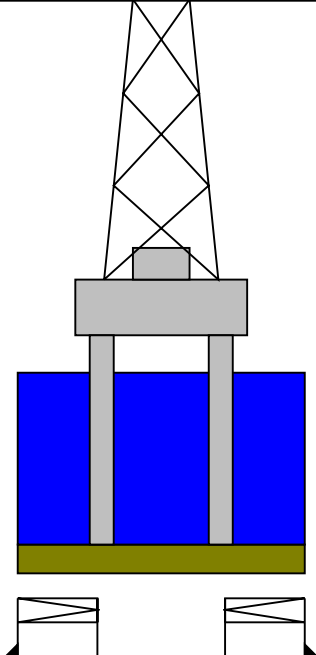
State: Victoria

Country: Australia

Rig Name: West Triton

Reference Datum: Mean Sea Level

Elevation: 38.0 m

Production String	(in) (m)			Well Schematic	(m) (in)			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
1:500**

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

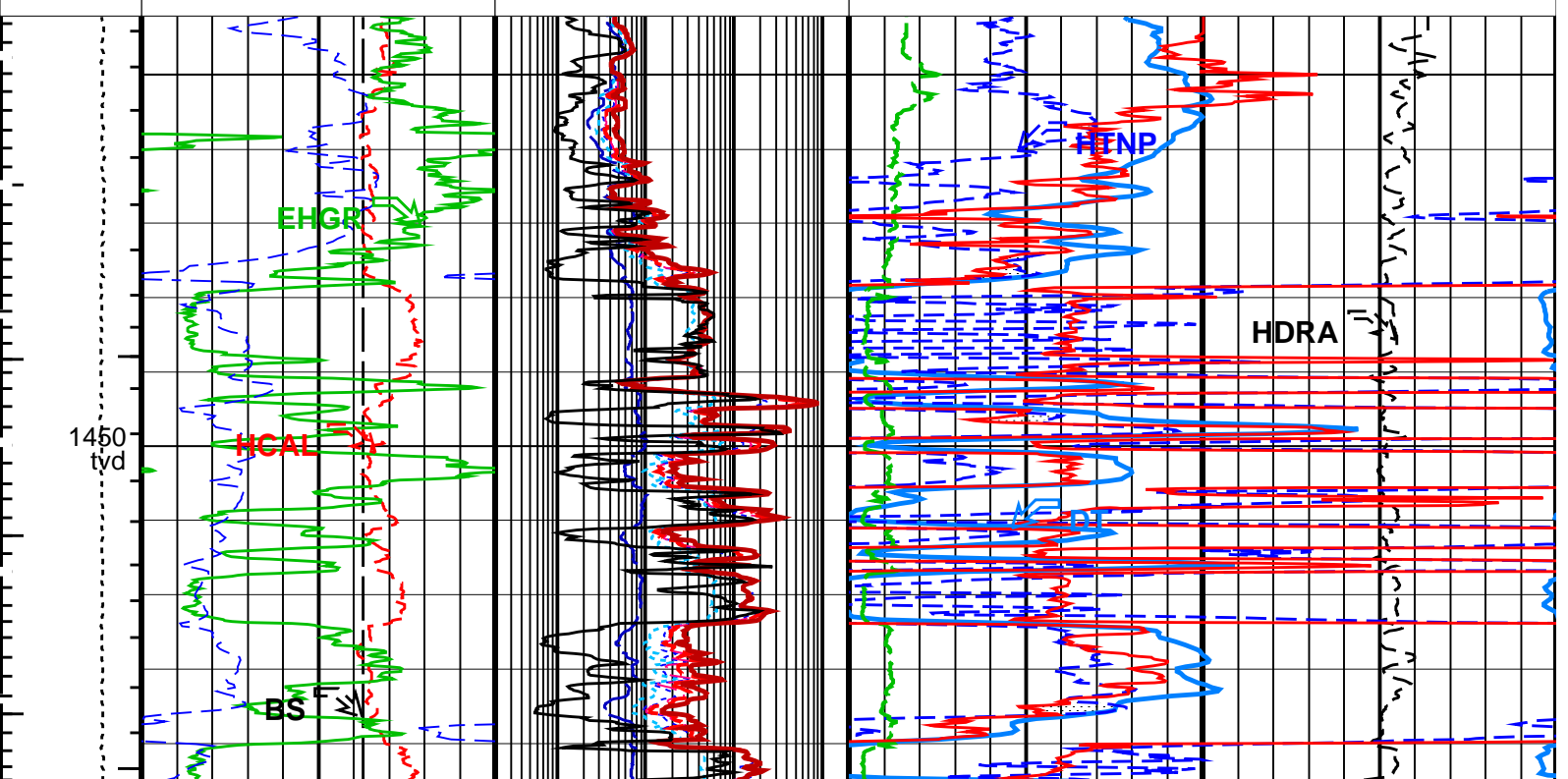
MCM

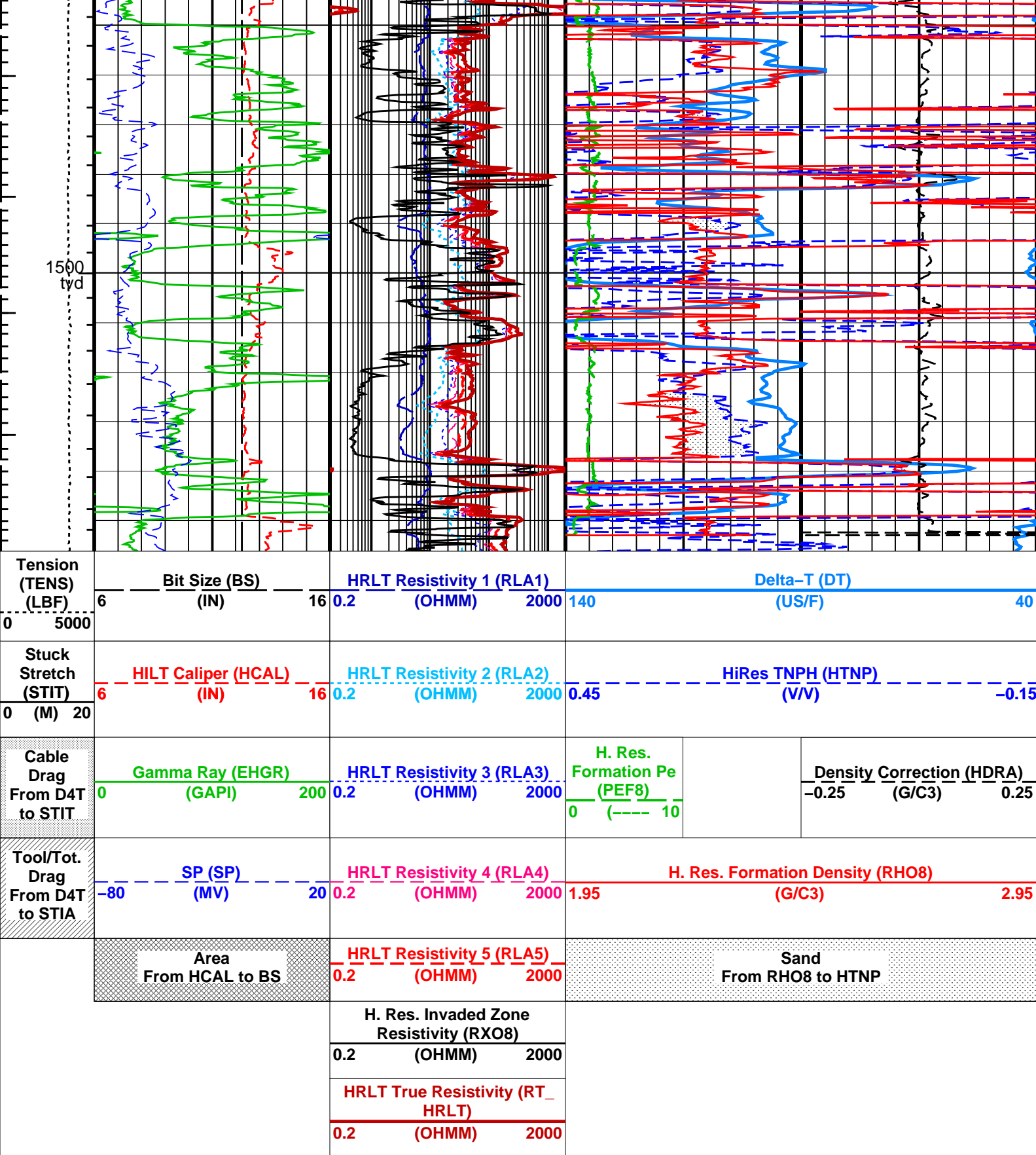
DSLTL-FTB	SRPC-3546-Q1_2008_OP15	HRLT-B	SRPC-3546-Q1_2008_OP15
HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

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) -80 20	HRLT Resistivity 4 (RLA4)		H. Res. Formation Density (RHO8)
		0.2	(OHMM) 2000	1.95 (G/C3) 2.95
Cable Drag From D4T to STIT	Gamma Ray (EHGR) (GAPI) 0 200	HRLT Resistivity 3 (RLA3)		H. Res. Formation Pe (PEF8)
		0.2	(OHMM) 2000	0 (---- 10)
				Density Correction (HDRA)
				-0.25 (G/C3) 0.25
Stuck Stretch (STIT)	HILT Caliper (HCAL) (IN) 6 16	HRLT Resistivity 2 (RLA2)		HiRes TNPH (HTNP)
		0.2	(OHMM) 2000	0.45 (V/V) -0.15
0 (M) 20				
Tension (TENS) (LBF)	Bit Size (BS) (IN) 6 16	HRLT Resistivity 1 (RLA1)		Delta-T (DT)
		0.2	(OHMM) 2000	140 (US/F) 40
0 5000				





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
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DSL-FTB: Digitizing Sonic Logging Tool		DSL	FTB
	Telemetry Mode		
	DSLTL Firing Mode		SDDDB
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	DSLTL 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	
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
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	
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	
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)	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	System and Miscellaneous	North Departure of Tie-in Point	667.9	M
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: HIRES_SON_RES_DENS_NEU_GR_SP_D500 Vertical Scale: 1:500 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
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Output DLIS Files

DEFAULT	SONIC_HRLA_TLD_MCFL_030PUP FN:35	PRODUCER	19-Jun-2008 23:42		
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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_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	1613.3 M	1173.8 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

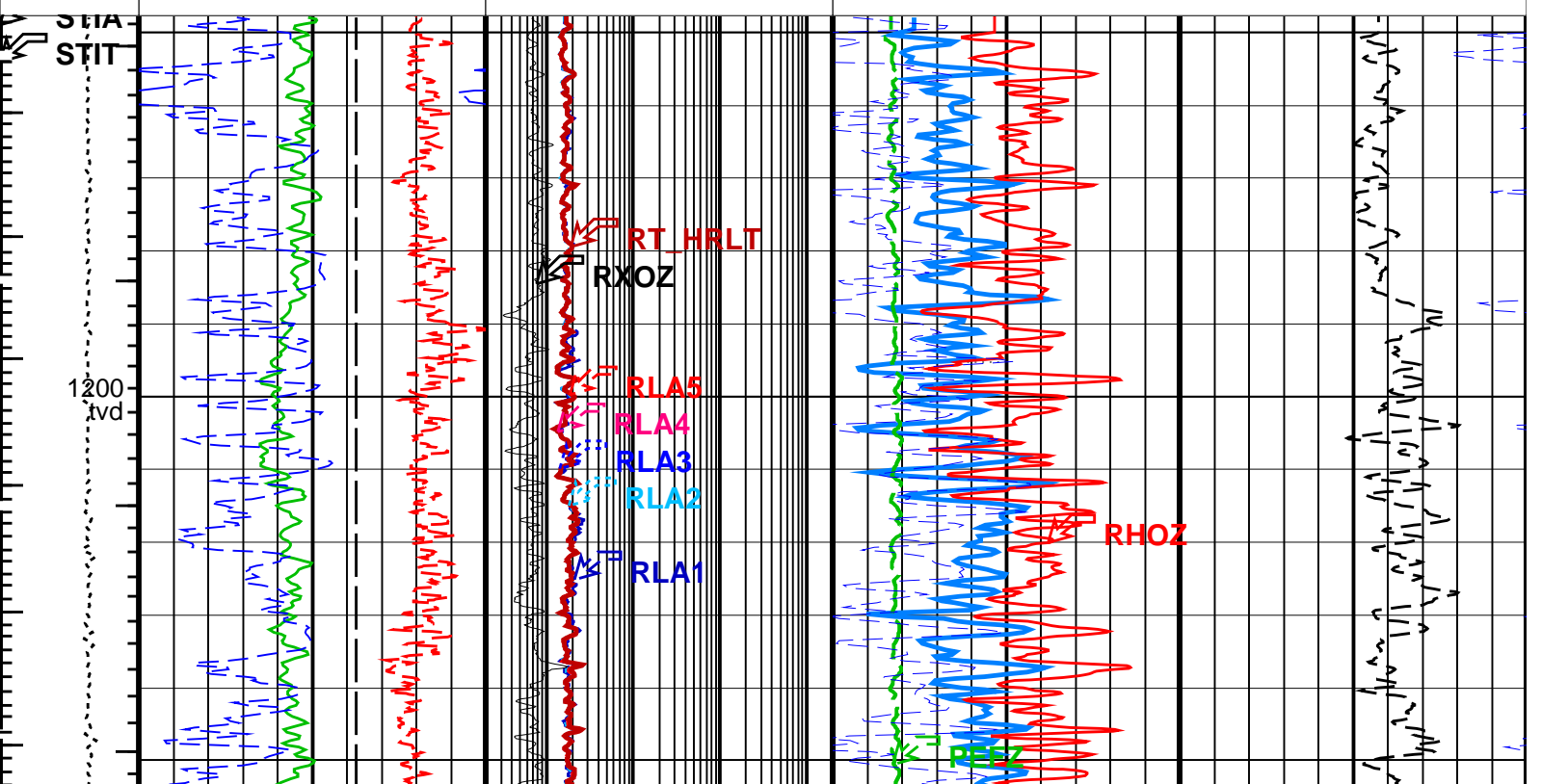
OP System Version: 15C0-309

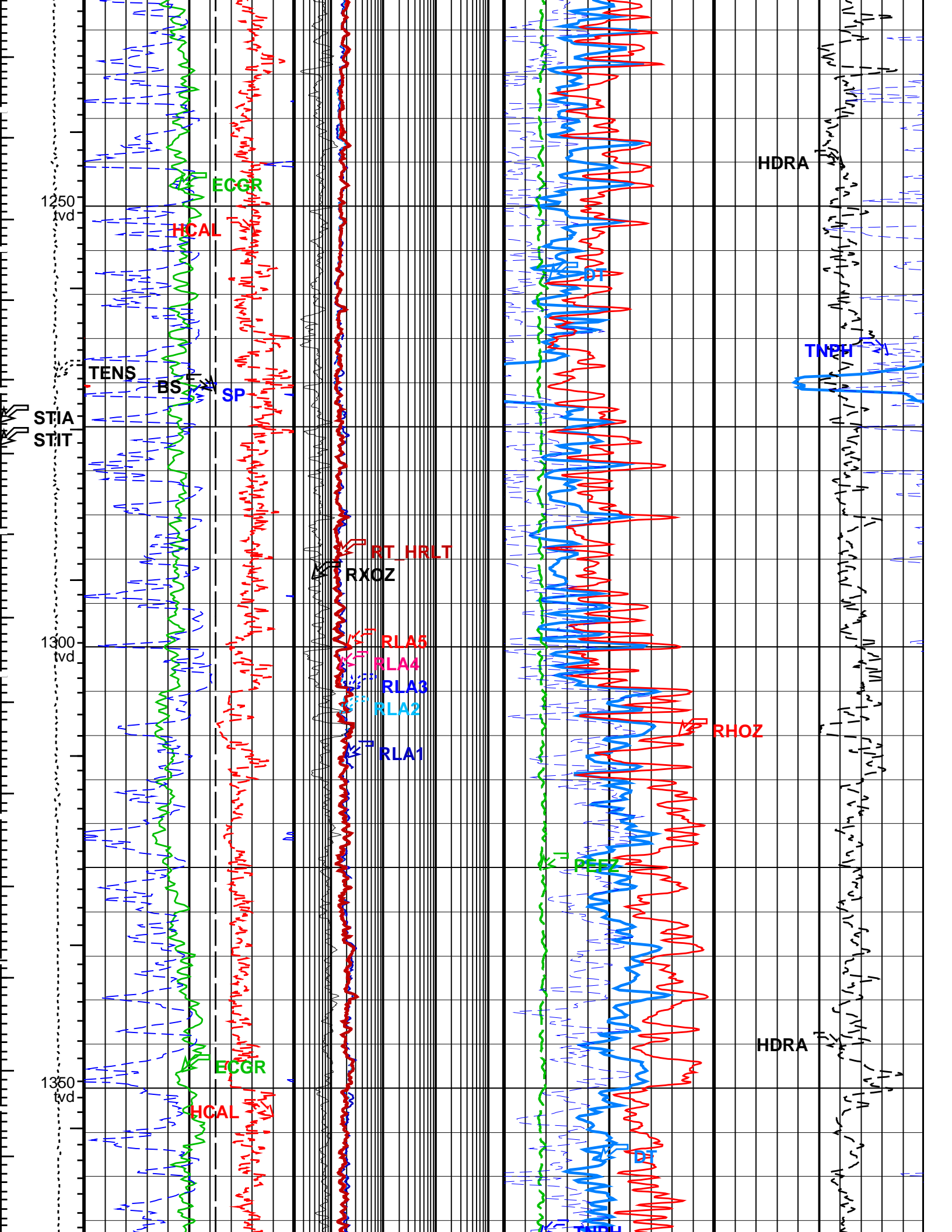
MCM

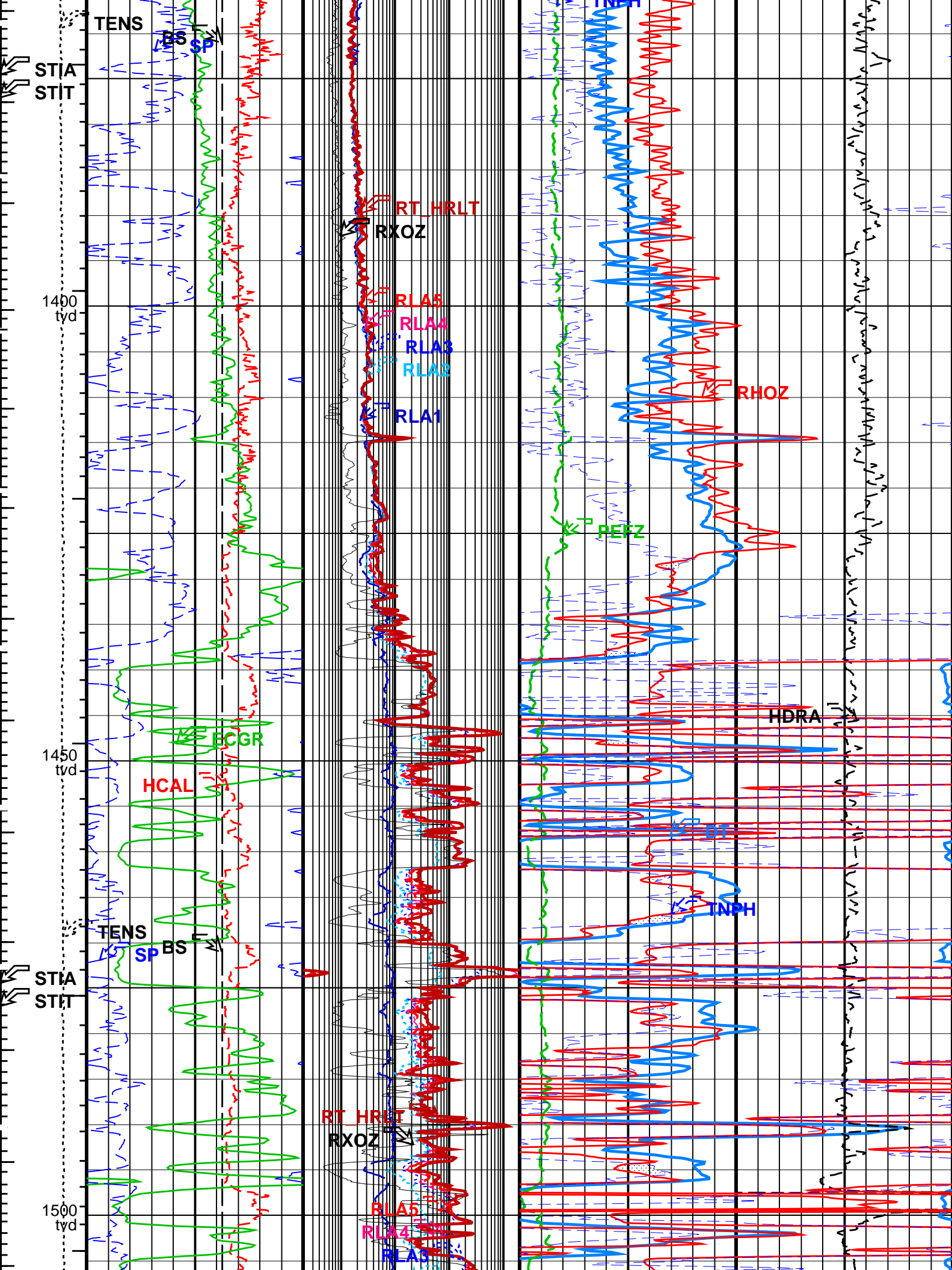
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HILTB-FTB	SRPC-3546-Q1_2008_OP15	DTC-H	SRPC-3546-Q1_2008_OP15
BSP	SRPC-3546-Q1_2008_OP15		

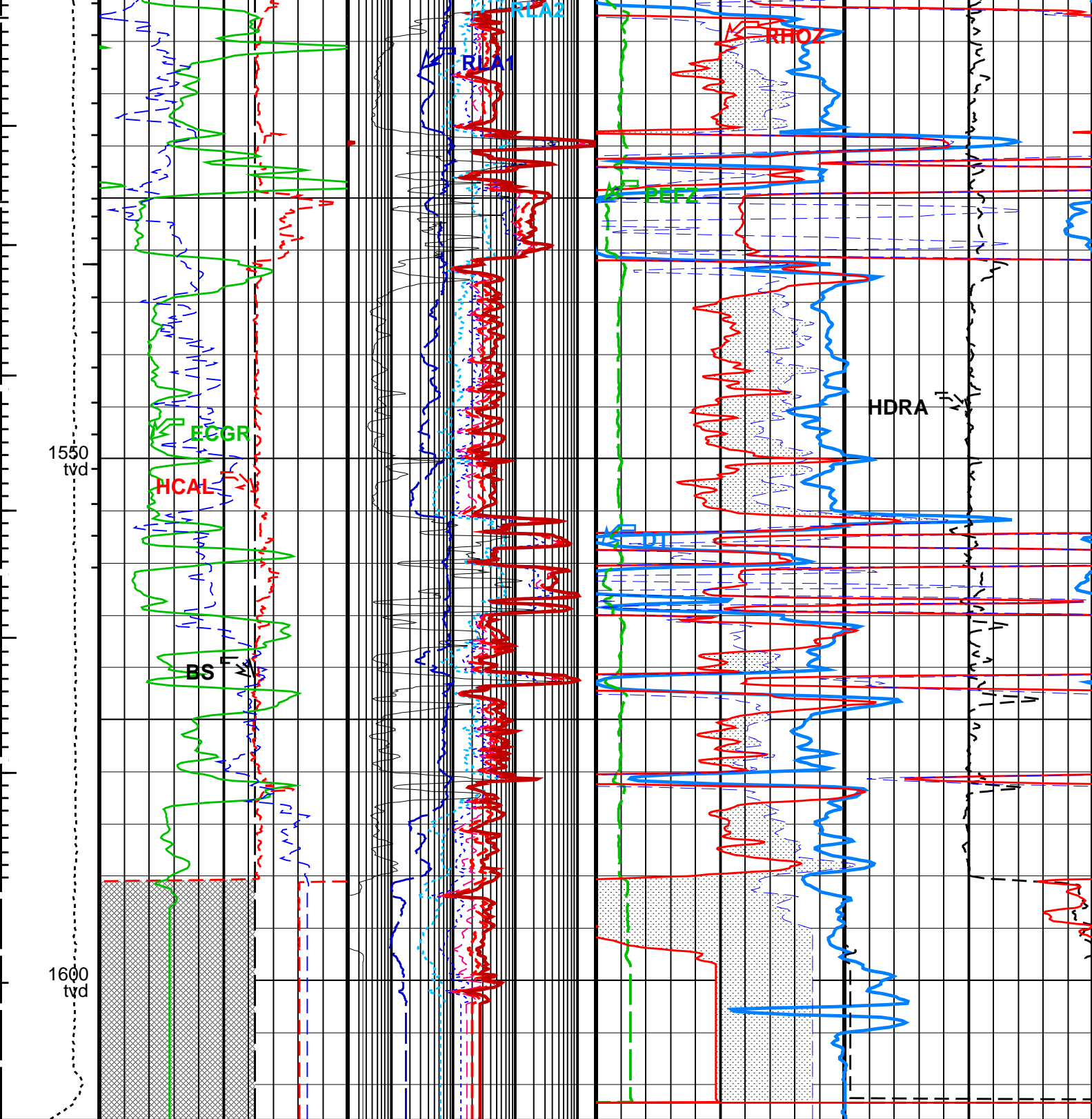
PIP SUMMARY			
<div> <div>Integrated Hole Volume Minor Pip Every 0.1 M3</div> <div>Integrated Hole Volume Major Pip Every 1 M3</div> <div> <div>Integrated Cement Volume Minor Pip Every 0.1 M3</div> <div>Integrated Cement Volume Major Pip Every 1 M3</div> </div> <div>Time Mark Every 60 S</div> </div>			

		<div>HRLT True Resistivity (RT_HRLT)</div> <div>0.2 (OHMM) 2000</div>			
		<div>Std. Res. Invaded Zone Resistivity (RXOZ)</div> <div>0.2 (OHMM) 2000</div>			
<div>Stuck Tool Indicator, Adjusted (STIA)</div> <div>0 (M) 20</div>	<div>Area From HCAL to BS</div>	<div>HRLT Resistivity 5 (RLA5)</div> <div>0.2 (OHMM) 2000</div>		<div>Sand From RHOZ to TNPH</div>	
<div>Tool/Tot. Drag From D4T to STIA</div> <div>-80 (MV) 20</div>	<div>SP (SP) (MV)</div>	<div>HRLT Resistivity 4 (RLA4)</div> <div>0.2 (OHMM) 2000</div>		<div>Env.Corr.Thermal Neutron Porosity (TNPH) (V/V)</div> <div>0.45 -0.15</div>	
<div>Cable Drag From D4T to STIT</div> <div>0 200</div>	<div>Gamma Ray (ECGR) (GAPI)</div>	<div>HRLT Resistivity 3 (RLA3)</div> <div>0.2 (OHMM) 2000</div>		<div>Std. Res. Formation Density (RHOZ) (G/C3)</div> <div>1.95 2.95</div>	
<div>Stuck Stretch (STIT)</div> <div>0 (M) 20</div>	<div>HILT Caliper (HCAL) (IN)</div> <div>6 16</div>	<div>HRLT Resistivity 2 (RLA2)</div> <div>0.2 (OHMM) 2000</div>		<div>Std. Res. Formation Pe (PEFZ)</div> <div>0 (---- 10)</div>	<div>Density Correction (HDRA) (G/C3)</div> <div>-0.25 0.25</div>
<div>Tension (TENS) (LBF)</div> <div>0 5000</div>	<div>Bit Size (BS) (IN)</div> <div>6 16</div>	<div>HRLT Resistivity 1 (RLA1)</div> <div>0.2 (OHMM) 2000</div>		<div>Delta-T (DT) (US/F)</div> <div>140 40</div>	









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 10	-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.	SD (SD)		HRLT Resistivity 4 (RLA4)		Fast Gamma Thermal Neutron Density (TNDU)	

Drag From D4T to STIA	-80	SP (SP) (MV)	20	0.2	HRLT Resistivity 4 (RLA4) (OHMM)	2000	0.45	Env.Corr. Thermal Neutron Porosity (TNPH) (V/V)	-0.15
Stuck Tool Indicator, Adjusted (STIA)	Area From HCAL to BS			HRLT Resistivity 5 (RLA5) 0.2 (OHMM) 2000			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	DSLC_FTB	
	Telemetry 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	DSLC 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	
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	
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)	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

GDEV	Average Angular Deviation of Borehole from Normal	0.018227	DEG
GGRD	Geothermal Gradient		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
DIR: Directional Survey Computation			
SPVD	TVD of Starting Point	0	M
TIMD	Along-hole depth of Tie-in Point	703.8	M
TIVD	TVD of Tie-in Point	667.9	M
System and Miscellaneous			
ALTDPCN	Name of alternate depth channel	TrueVerticalDepth	
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	63000.00	PPM
DO	Depth Offset for Playback	0.0	M
PBVSADP	Use alternate depth channel for playback	YES	
PP	Playback Processing	OFF	
TD	Total Depth	1760	M

Format: SON_RES_DENS_NEU_GR_SP_D500 Vertical Scale: 1:500 Graphics File Created: 19-Jun-2008 23:46

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_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**

BHC-HRLA-PEX-G
Sonic-Resistivity-Density-Neutron-G
Suite 1 Run 1 – Scale 1:500 (TVD)