Company: Anzon | Well: Basker 4

Input DLIS Files

DEFAULT	HRLA_TLD_MCFL_CNL_012LUP	FN:16	PRODUCER	20−May−2006 03:05	3472.4 M	2942.2 M

Output DLIS Files

DEFAULT	HRLA_TLD_MCFL_CNL_015PUP	FN:22	PRODUCER	20−May−2006 05:03	3472.4 M	2949.1 M
R_BACKUP	HRLA_TLD_MCFL_CNL_015PUP	FN:23	PRODUCER	20−May−2006 05:04	3472.4 M	2949.1 M
CLIENT	HRLA_TLD_MCFL_CNL_015PUC	FN:24	CUSTOMER	20−May−2006 05:03	3472.4 M	2949.1 M

Integrated Hole/Cement Volume Summary

Hole Volume = 39.37 M3

Cement Volume = 14.82 M3 (assuming 9.63 IN casing O.D.)

Computed from 3472.0 M to 2949.2 M using data channel(s) HCAL

OP System Version: 14C0−302

MCM

HRLT−B	unofficial	HILTB−FTB	unofficial
HNGC−B	unofficial	HNGS−BA	unofficial
DTC−H	unofficial	SPA−A	unofficial

PIP SUMMARY

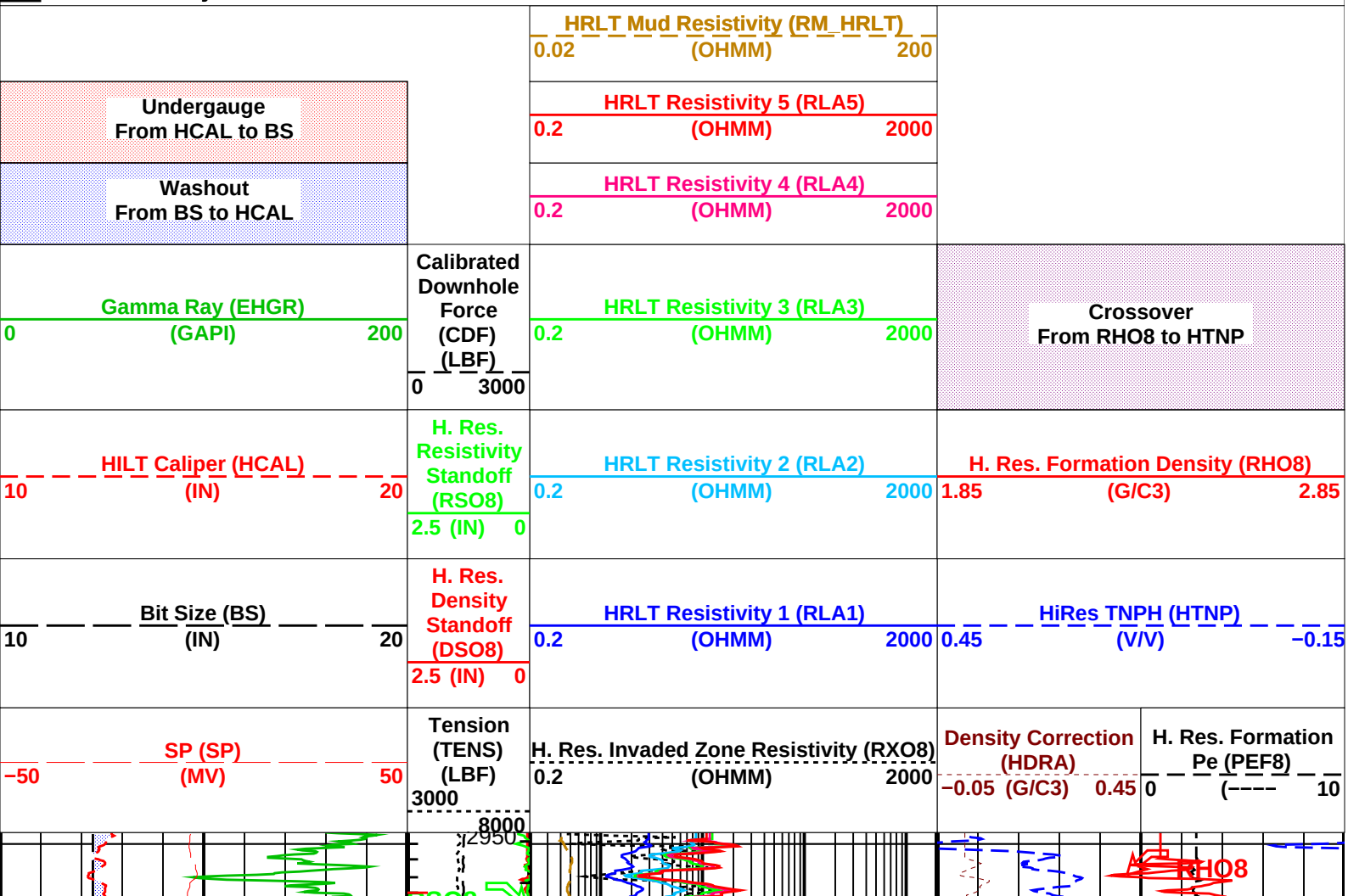
Integrated Hole Volume Minor Pip Every 0.1 M3

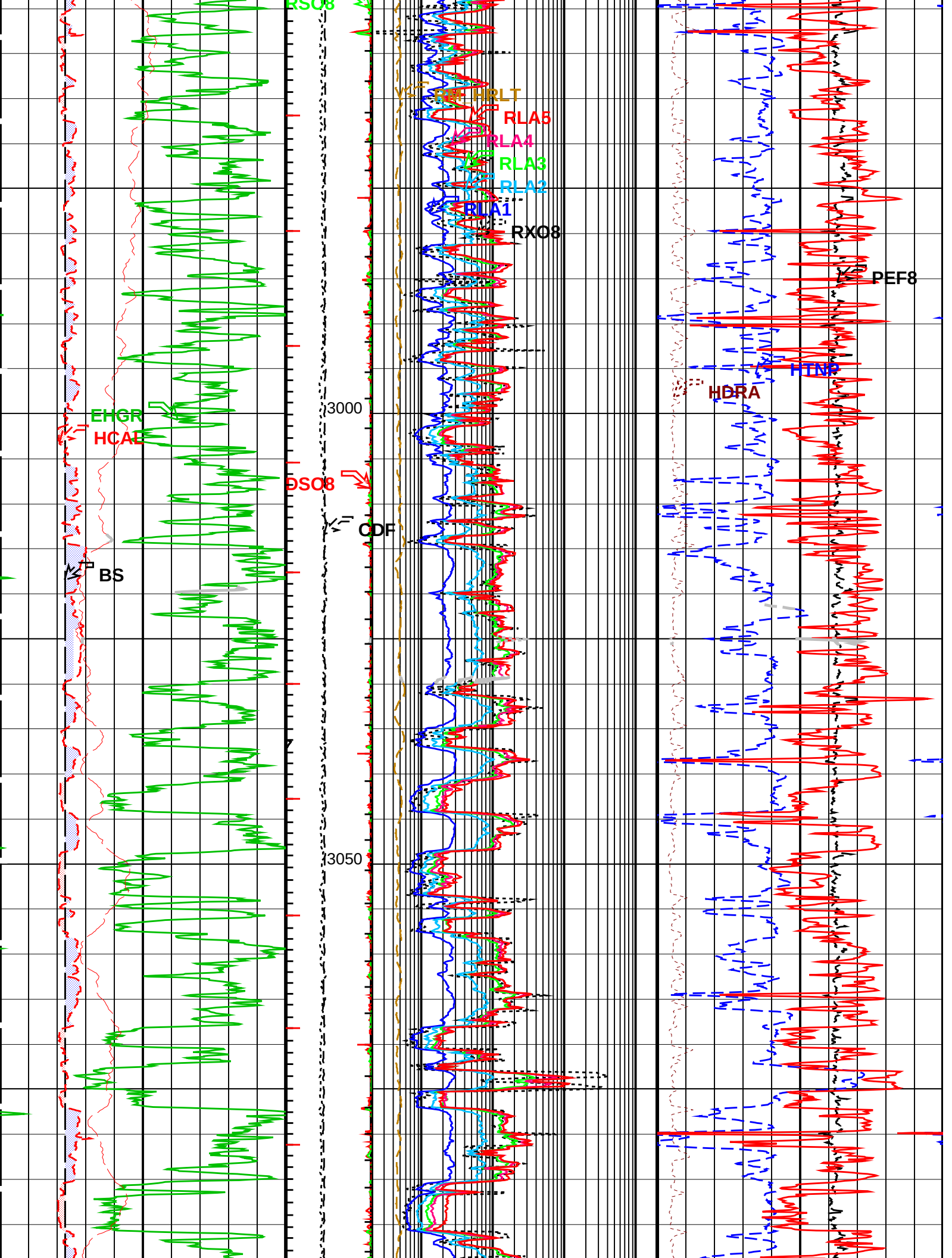
Integrated Hole Volume Major Pip Every 1 M3

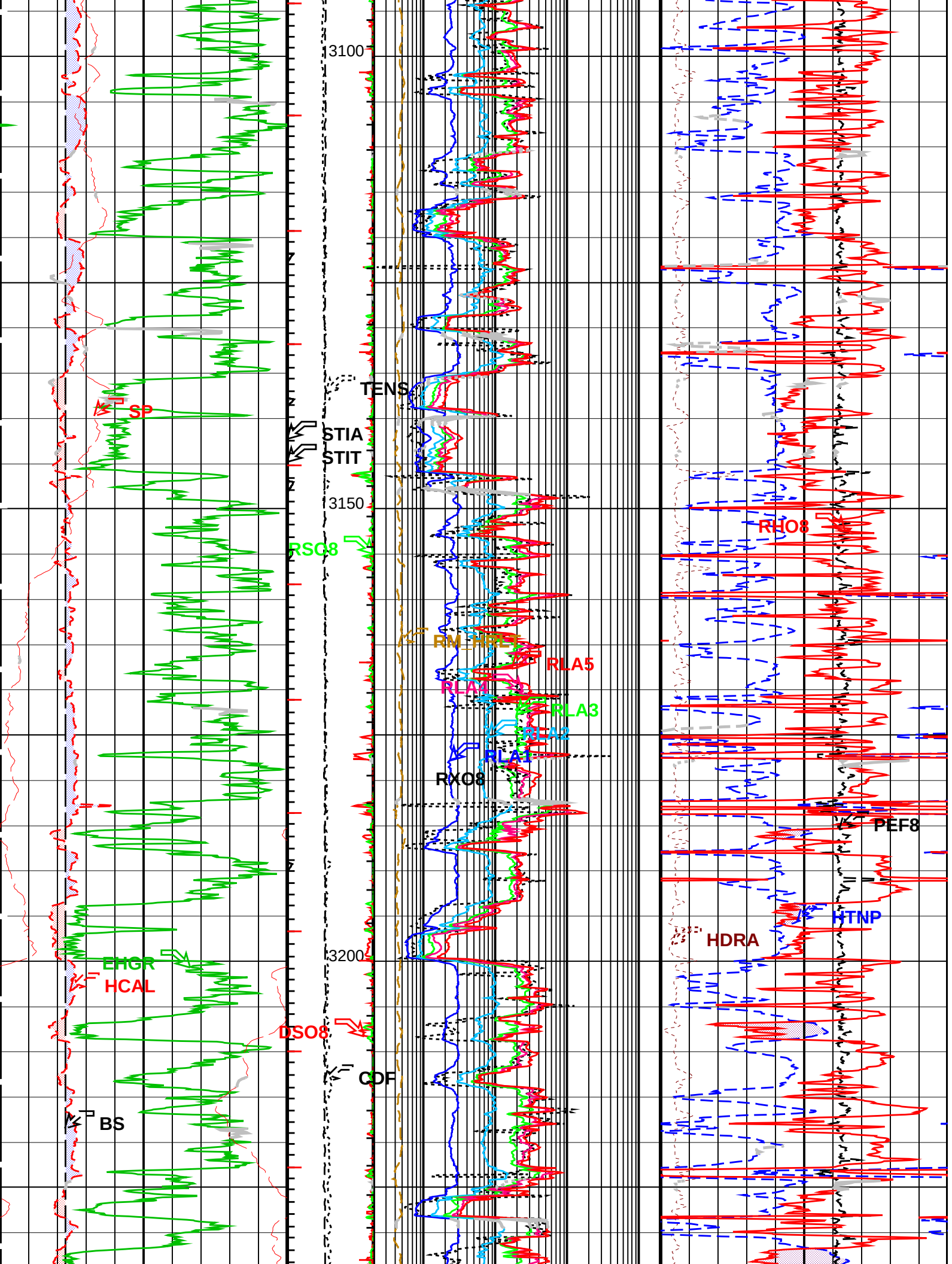
Integrated Cement Volume Minor Pip Every 0.1 M3

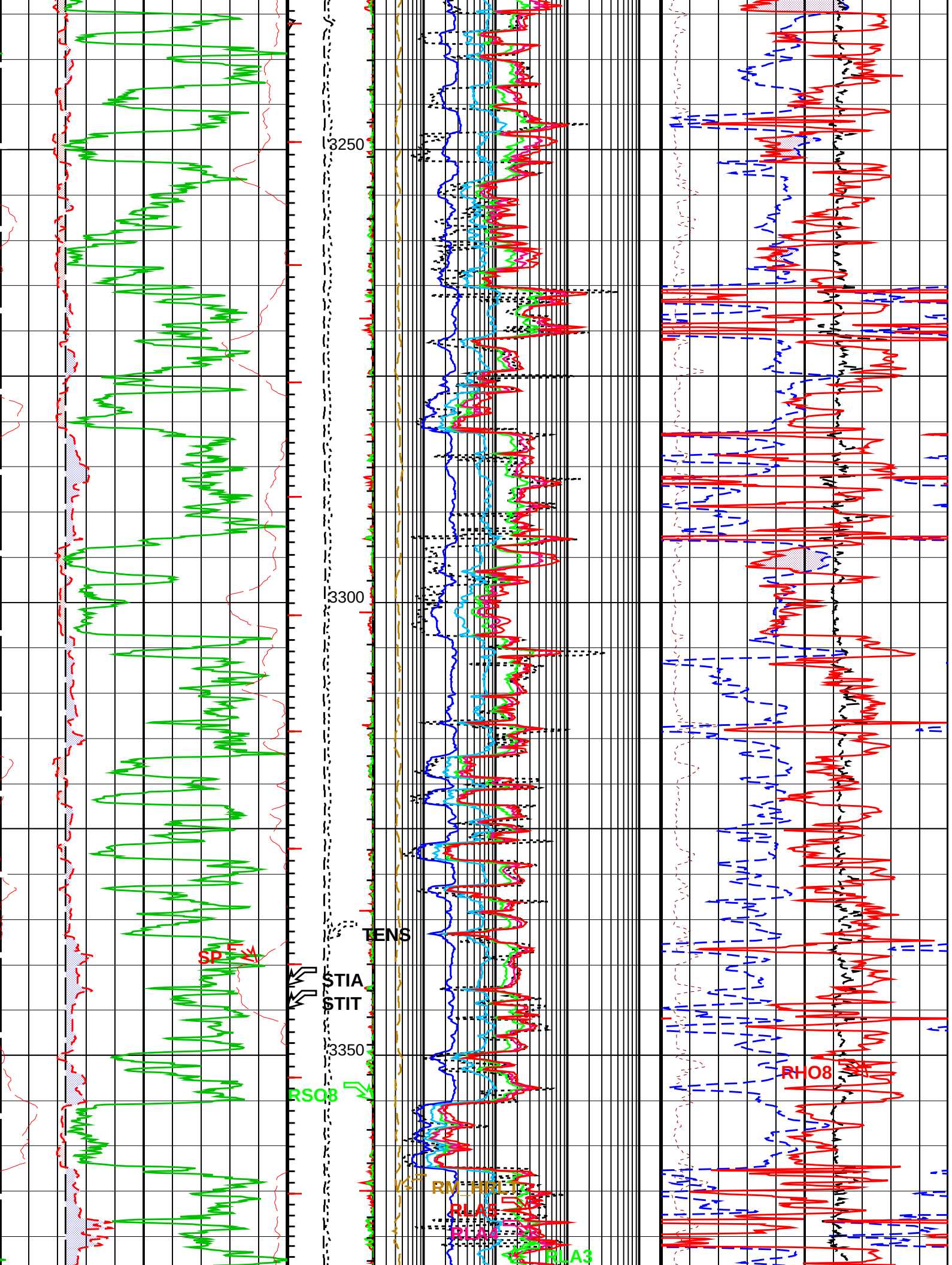
Integrated Cement Volume Major Pip Every 1 M3

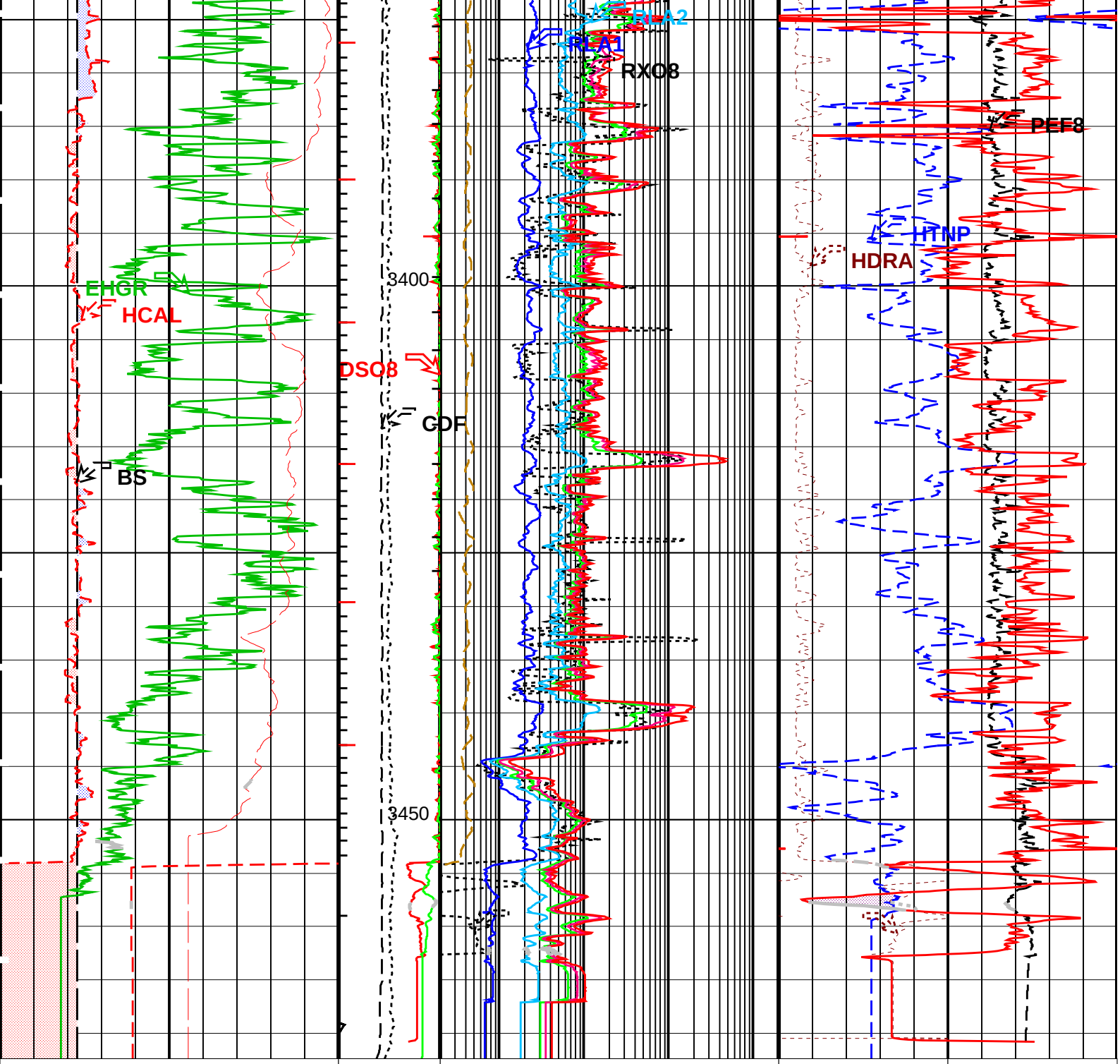
Time Mark Every 60 S




RSO8
HRLT
RLA5
RLA4
RLA3
RLA2
RLA1
RXO8
PEF8
HTNP
HDRA
EHGR
HCAL
DSO8
CDF
BS
3000
3050


3100
3150
3200
TENS
SP
STIA
STIT
RSO8
RM_HRES
RLA5
RLA4
RLA3
RLA2
RLA1
RXO8
RHO8
PEF8
HTNP
HDRA
EHGR
HCAL
DSO8
COF
BS


3250
3300
TENS
SP
STIA
STIT
3350
RSOB
RHOB
RLA3



SP (SP) −50 (MV) 50	Tension (TENS) (LBF) 3000 8000	H. Res. Invaded Zone Resistivity (RXO8) 0.2 (OHMM) 2000	Density Correction (HDRA) −0.05 (G/C3) 0.45	H. Res. Formation Pe (PEF8) 0 (---- 10
Bit Size (BS) 10 (IN) 20	H. Res. Density Standoff (DSO8) 2.5 (IN) 0	HRLT Resistivity 1 (RLA1) 0.2 (OHMM) 2000	HiRes TNPH (HTNP) 0.45 (V/V) −0.15	
HILT Caliper (HCAL) 10 (IN) 20	H. Res. Resistivity Standoff (RSO8) 2.5 (IN) 0	HRLT Resistivity 2 (RLA2) 0.2 (OHMM) 2000	H. Res. Formation Density (RHO8) 1.85 (G/C3) 2.85	
Gamma Ray (EHGR) 0 (GAPI) 200	Calibrated Downhole Force (CDF)	HRLT Resistivity 3 (RLA3) 0.2 (OHMM) 2000	Crossover From RHO8 to HTNP	

(LBF)
0 3000

Washout
From BS to HCAL

Undergauge
From HCAL to BS

HRLT Resistivity 4 (RLA4)
0.2 (OHMM) 2000

HRLT Resistivity 5 (RLA5)
0.2 (OHMM) 2000

HRLT Mud Resistivity (RM_HRLT)
0.02 (OHMM) 200

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	
	HRLT−B: High Resolution Laterolog Array − E		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	100	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	1.5	IN
PROCRM	Processing Mud Resistivity Select	HRLT_Compute	
PROCSPO	Sonde Position	Eccentered	
SHT	Surface Hole Temperature	32	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)	100	DEGC
BSCO	Borehole Salinity Correction Option	YES	
CCCO	Casing & Cement Thickness Correction Option	NO	
DHC	Density Hole Correction	BS	
FSAL	Formation Salinity	−50000	PPM
FSCO	Formation Salinity Correction 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	NATU	
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
PTCO	Pressure/Temperature Correction Option	YES	
SDAT	Standoff Data Source	SOCN	
SHT	Surface Hole Temperature	32	DEGC
SOCN	Standoff Distance	0	IN
SOCO	Standoff Correction Option	NO	
	HNGS−BA: Hostile Natural Gamma Ray Sonde		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	100	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	
MATR	Rock Matrix for Neutron Porosity Corrections	LIMESTONE	
SHT	Surface Hole Temperature	32	DEGC
	SPA−A: SP ADAPTOR		

SPNV	SP Next Value	0	MV
	HOLEV: Integrated Hole/Cement Volume		
BHS	Borehole Status	OPEN	
BHT	Bottom Hole Temperature (used in calculations)	100	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	32	DEGC
	STI: Stuck Tool Indicator		
LBFR	Trigger for MAXIS First Reading Label	TDL	
STKT	STI Stuck Threshold	0.762	M
TDD	Total Depth − Driller	3480.00	M
TDL	Total Depth − Logger	3472.00	M
	System and Miscellaneous		
BS	Bit Size	12.250	IN
BSAL	Borehole Salinity	74250.00	PPM
DFD	Drilling Fluid Density	1.14	G/C3
DO	Depth Offset for Playback	0.0	M
MST	Mud Sample Temperature	19.00	DEGC
PP	Playback Processing	RECOMPUTE	
RMFS	Resistivity of Mud Filtrate Sample	0.0950	OHMM
TD	Total Depth	3472	M

Format: Combo_500_HiRes Vertical Scale: 1:500 Graphics File Created: 20−May−2006 05:03

OP System Version: 14C0−302

MCM

HRLT−B	unofficial	HILTB−FTB	unofficial
HNGC−B	unofficial	HNGS−BA	unofficial
DTC−H	unofficial	SPA−A	unofficial

Input DLIS Files

DEFAULT	HRLA_TLD_MCFL_CNL_012LUP	FN:16	PRODUCER	20−May−2006 03:05	3472.4 M	2942.2 M

Output DLIS Files

DEFAULT	HRLA_TLD_MCFL_CNL_015PUP	FN:22	PRODUCER	20−May−2006 05:03
R_BACKUP	HRLA_TLD_MCFL_CNL_015PUP	FN:23	PRODUCER	20−May−2006 05:04
CLIENT	HRLA_TLD_MCFL_CNL_015PUC	FN:24	CUSTOMER	20−May−2006 05:03