

Gamma ray and resistivity data are not environmentally corrected.

RAB-8 SW: 5.0b14
IDEAL SW: 8.0c07
HSPM SW: 8.0c13

Engineer: Stefan Mrozewski

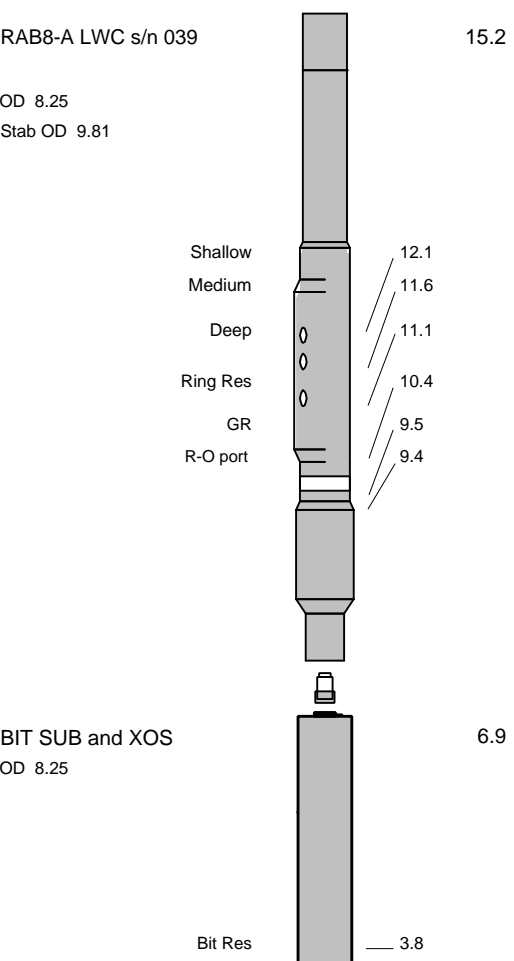
EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

DOWNHOLE EQUIPMENT



Variable Name	Variable Description	Run Name & Value
Run Number		1
General Information		
BHT_RM	Bottom Hole Temperature (RM)	41.000000
BSAL_RM	Mud Salinity (RM)	
BS_RM	Bit Size (RM)	9.875000
COEF_M	User Defined FEXP in Clean Sand	
C_WS	Overpressure correction to Sw and M	
FEXP	Formation Factor Exponent(RM)	
FNUM	Formation Factor Enumerator(RM)	
FPHI_RM	Formation Factor Porosity Source (RM)	
MST_RM	Mud Sample temperature (RM)	41.000000
MW_RM	Mud Weight (RM)	8.330000
OBMF_RM	Oil Based Mud (RM)	NO
RHOF_RM	Mud Filtrate Density (RM)	1.000000
RHOM_RM	Matrix density (RM)	2.710000
RMS_RM	Resistivity of Mud Sample (RM)	0.290000
RWA_COMP_M	Rwa computation model	
RWA_DEN_AD	Rwa Density Input ADN	
RWA_DEN_CD	Rwa Density Input CDN	
RWA_DEN_IN	Rwa Density Input	
RWA_FORM_M	Rwa computation formation model	
RWA_RES_IN	Rwa computation resistivity input	
RWS_RM	Resistivity of Connate Water (RM)	1.000000
SHT_RM	Surface Hole Temperature (RM)	41.000008
TD_RM	Total Measured Depth (RM)	5200.130000
TWS_RM	Temperature of Connate Water (RM)	75.000000
VF_ILLI	Fraction of illite in shales	
VF_KAOL	Fraction of kaolinite in shales	
VF_MONT	Fraction of montmorillonite in shales	
XPDM_RM	Cross plot density porosity multiplier	
XPNM_RM	Cross plot neutron porosity multiplier	
RAB		
BTN_SLV_SIZE	RAB: Button Sleeve Diameter	9.500000
STAB_SIZE	RAB: Stabilizer Diameter	9.812500
BDBHCA	RAB: Button Deep Borehole A Factor	0.018633
BDBHCB	RAB: Button Deep Borehole B Factor	0.000000
BHA_COEF_V	RAB: BHA Coef Generator Version	2.000000
BITBHCA	RAB: Bit A Borehole Factor	0.058957
BITBHCB	RAB: Bit B Borehole Factor	0.000000
BIT_K_FACT	RAB: Bit K Factor	4.136970
BMBHCA	RAB: Button Medium Borehole A Factor	0.017440
BMBHCB	RAB: Button Medium Borehole B Factor	0.000000
BSBHCA	RAB: Button Shallow Borehole A Factor	0.022209
BSBHCB	RAB: Button Shallow Borehole B Factor	0.000000
BUT_KIMP_A	RAB: Button Impedance Coeff A	0.001754
BUT_KIMP_B	RAB: Button Impedance Coeff B	0.000050
DBUTTON_K	RAB: Button Deep K factor	0.001801
DHS_VERSION	RAB: DownHole Software Version	5.001400
GR_BHC_TOO	RAB: Gamma-Ray Borehole Coeff 1	8.250000
IMAGE_MAX_	RAB: GR Image Maximum Scale Value	15.000000
IMAGE_MAX_	RAB: Image Maximum Resistivity Value	100.000000
IMAGE_MIN_	RAB: GR Image Minimum Scale Value	0.000000
IMAGE_MIN_	RAB: Image Minimum Resistivity Value	1.000000
JSD_RAB	RAB Acquisition start date	24-Jun-03
MAG_DECL_R	RAB: Magnetic Declination	-17.730000
MAG_INCL_R	RAB: Magnetic Dip	30.660000
MBUTTON_K	RAB: Button Medium K Factor	0.002423
OBM	RAB: Oil base Mud	NO
ORIENTATIO	Rab Image Orientation	NORTH
RABBDA0	RAB: Button Deep A0 Coeff	-0.025405
RABBDA1	RAB: Button Deep A1 Coeff	0.003135
RABBDA2	RAB: Button Deep A2 Coeff	-0.000169
RABBDA3	RAB: Button Deep A3 Coeff	0.000004
RABBDA4	RAB: Button Deep A4 Coeff	-0.000000
RABBDA5	RAB: Button Deep A5 Coeff	0.000000
RABDMIN	RAB: Button Deep Minimum Value	0.037998
RABBITA0	RAB: Bit A0 Coeff	0.478710
RABBITA1	RAB: Bit A1 Coeff	-0.161170
RABBITA2	RAB: Bit A2 Coeff	0.039806
RABBITA3	RAB: Bit A3 Coeff	-0.004083
RABBITA4	RAB: Bit A4 Coeff	0.000168
RABBITA5	RAB: Bit A5 Coeff	0.000000
RABBITMIN	RAB: Bit Minimum Value	21.926781
RABBMA0	RAB: Button Medium A0 Coeff	-0.025851
RABBMA1	RAB: Button Medium A1 Coeff	0.002758
RABBMA2	RAB: Button Medium A2 Coeff	-0.000137
RABBMA3	RAB: Button Medium A3 Coeff	0.000003
RABBMA4	RAB: Button Medium A4 Coeff	-0.000000
RABBMA5	RAB: Button Medium A5 Coeff	0.000000
RABMMIN	RAB: Button Medium Minimum Value	0.041105
RABBSA0	RAB: Button Shallow A0 Coeff	-0.029857
RABBSA1	RAB: Button Shallow A1 Coeff	0.003000
RABBSA2	RAB: Button Shallow A2 Coeff	-0.000142
RABBSA3	RAB: Button Shallow A3 Coeff	0.000003
RABBSA4	RAB: Button Shallow A4 Coeff	-0.000000
RABBSA5	RAB: Button Shallow A5 Coeff	0.000000
RABBSMIN	RAB: Button Shallow Minimum Value	0.055322
RABDHS	RAB Down Hole Software	5.001400

RABEC	RAB: Resistivity Env-Cor	YES
RABRNGA0	RAB: RING A0 Coeff	-0.023009
RABRNGA1	RAB: RING A1 Coeff	0.002834
RABRNGA2	RAB: RING A2 Coeff	-0.000152
RABRNGA3	RAB: RING A3 Coeff	0.000003
RABRNGA4	RAB: RING A4 Coeff	-0.000000
RABRNGA5	RAB: RING A5 Coeff	0.000000
RABRNGMIN	RAB: Ring Minimum Value	1.157596
RAB_CALIPE	Compute ECAL_RAB?	NO
RAB_INVERS	Perform Rt Inversion?	NO
RAB_INVERS	RAB Bit Sensor Weight for Inversion[0,1]	1.000000
RAB_QUAD	RAB: Process Quadrant data ?	YES
RAB_RIGMOD	Bit on Bottom?	YES
RAB_TAB	RAB: Compute TAB ?	YES
RAB_TECHLO	RAB: Generate Techlog ?	YES
RAB_TEMP_S	RAB Temperature Selection	MEASURED
RAB_TICKS	RAB: Generate Ticks ?	YES
READOUT_PO	RAB: ROP to Bit Face Distance	9.440001
RINGBHCA	RAB: Ring Borehole A Factor	0.070615
RINGBHCB	RAB: Ring Borehole B Factor	0.000000
RING_KIMP_	RAB: Ring Impedance Coeff A	0.000000
RING_KIMP_	RAB: Ring Impedance Coeff B	0.000000
RING_K_FAC	RAB: Ring K Factor	0.115732
SBUTTON_K_	RAB: Button Shallow K Factor	0.002626
SCALE_IMAG	RAB: Process Image Data	YES
STAB	RAB: Run with Stabilizer	YES
TFF_OFFSET	RAB Time-Frame File Time Offset	0.000000
TIMFRAME_	RAB: Time Frame File Name	0.000000
TOOLTYPE	RAB: Azimuthal Tool	YES
TS_VERSION	RAB: ToolScope Software Version	6.101400
VRAB8	Rab Tool type	RAB8_LWC
WIN_SIZE_D	RAB: Window Size for Scaling Dynamic Image	3.000000

IDEAL Version: ID8_0C_07

IDF

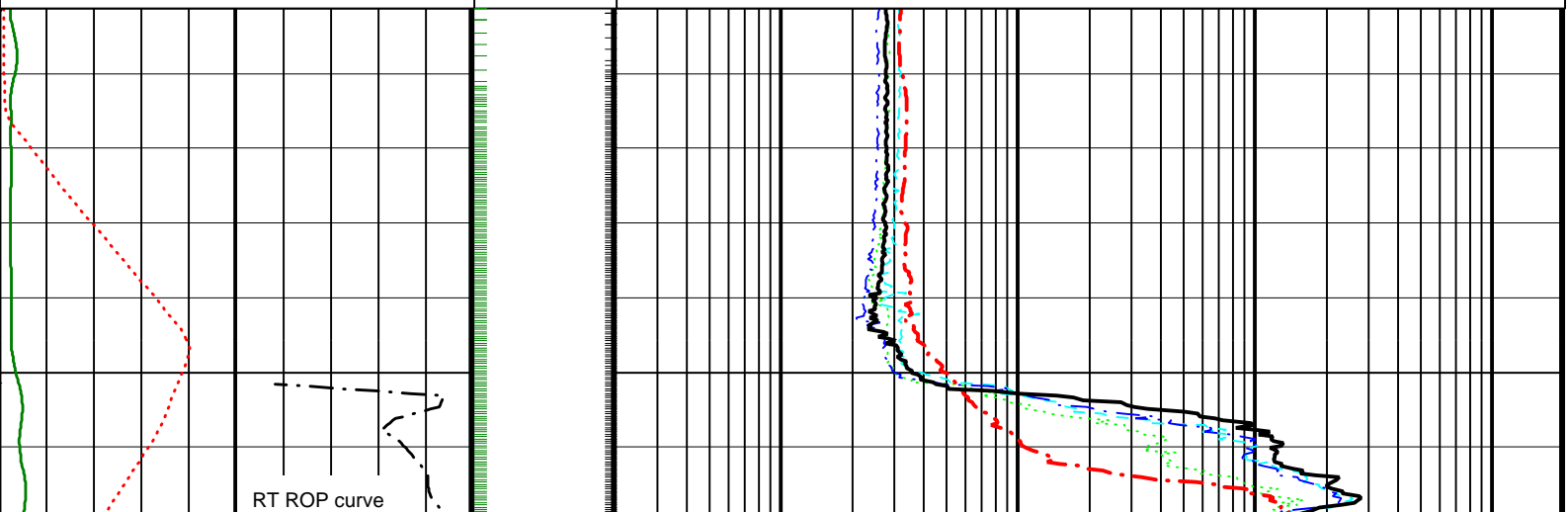
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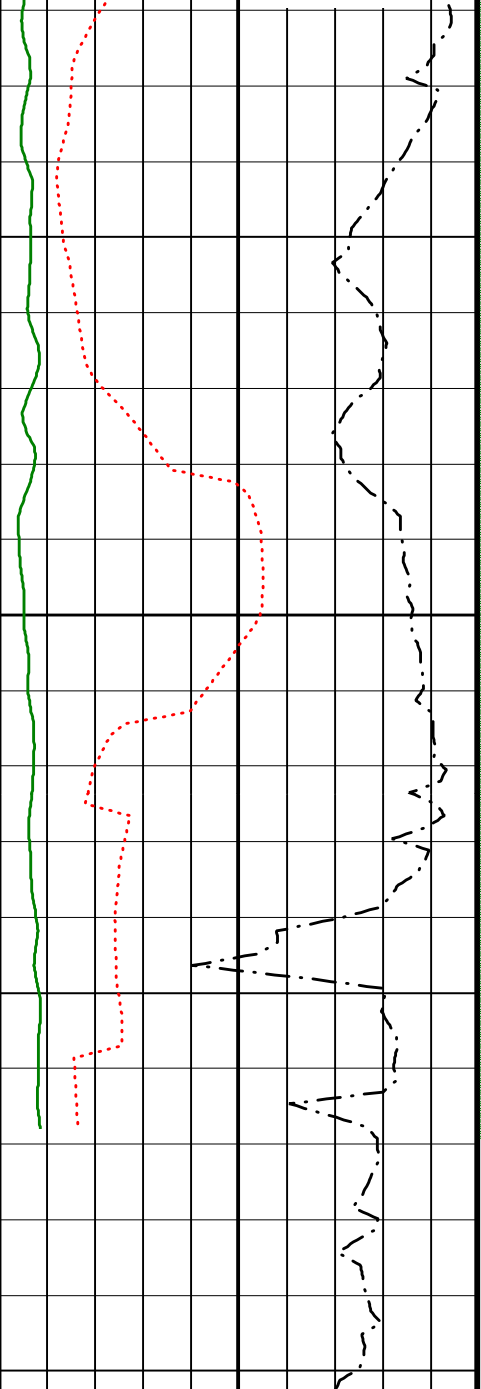
PIP SUMMARY

- ┆ Gamma Ray Samples
- ┆ Ring Samples

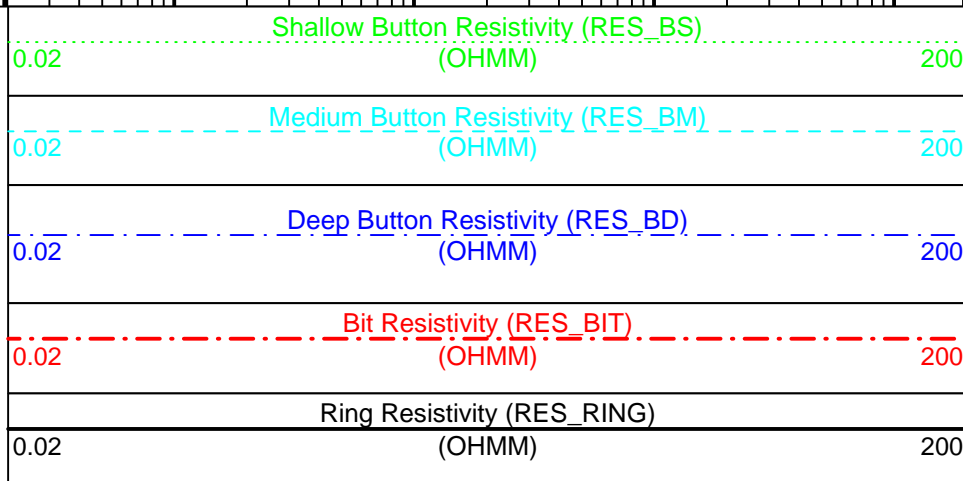
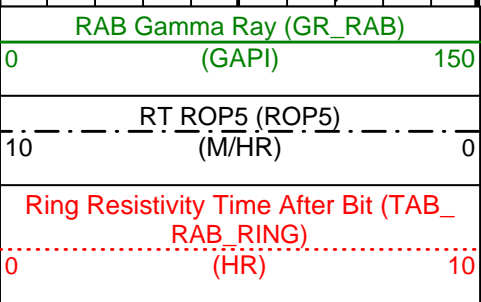
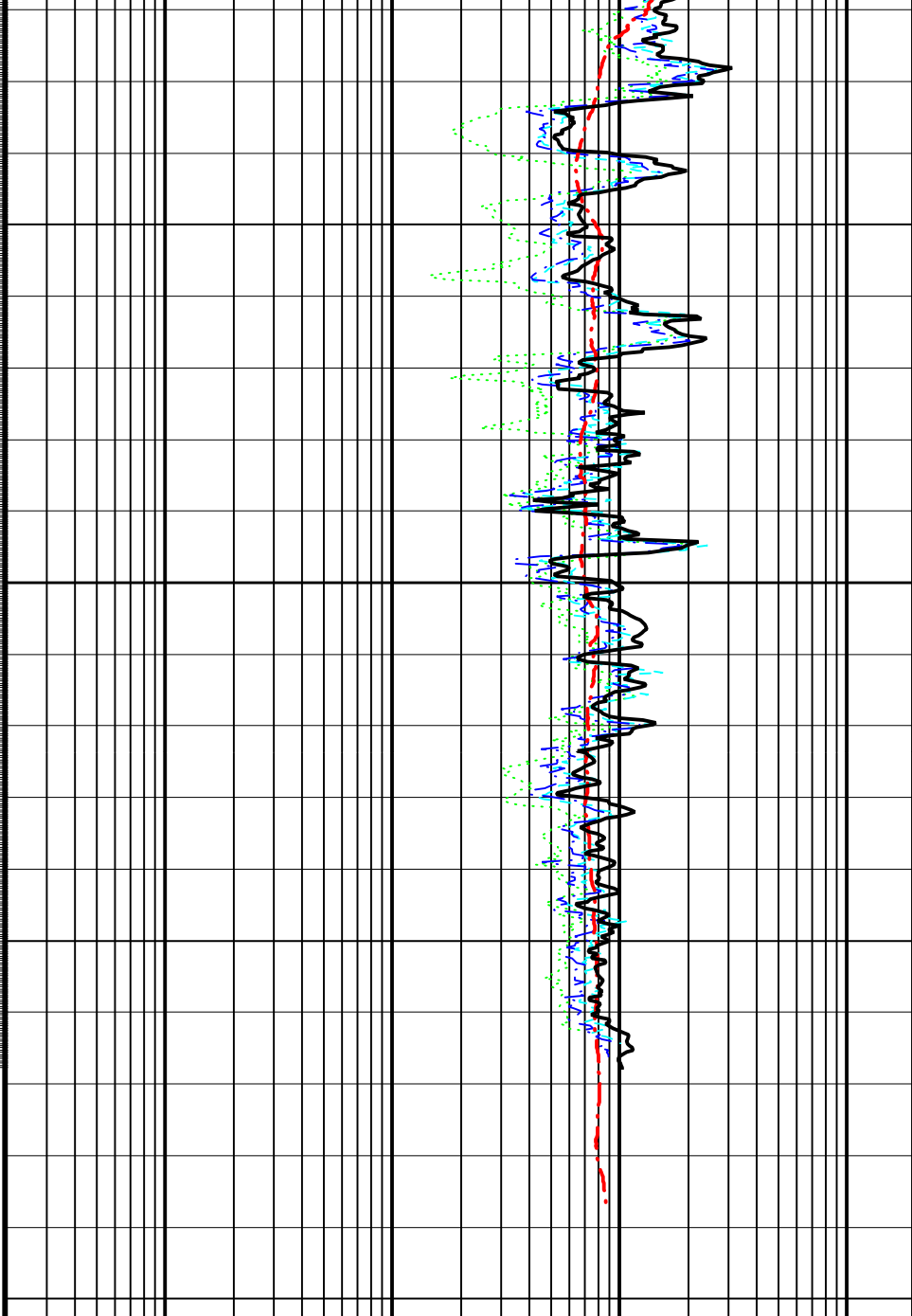
	Ring Resistivity (RES_RING)	200
0.02	(OHMM)	
0.02	Bit Resistivity (RES_BIT)	200
0.02	(OHMM)	
0.02	Deep Button Resistivity (RES_BD)	200
0.02	(OHMM)	
0.02	Medium Button Resistivity (RES_BM)	200
0.02	(OHMM)	
0.02	Shallow Button Resistivity (RES_BS)	200
0.02	(OHMM)	

0	Ring Resistivity Time After Bit (TAB_RAB_RING)	10
0	(HR)	
10	RT ROP5 (ROP5)	0
10	(M/HR)	
0	RAB Gamma Ray (GR_RAB)	150
0	(GAPI)	





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PIP SUMMARY

- ┆ Gamma Ray Samples
- ┆ Ring Samples

8.25-in. Resistivity At-the-Bit / Equipment Identification

Primary Equipment:
Tool Name and Serial Number
Calibration Status

RAB8 - A LWC
Current

39

Master: 28-Mar-2003 22:56											
8.25-in. Resistivity At-the-Bit Calibration											
Resistivity: Fixture											
Phase	Ring/T1 factor		Value	Phase	Ring/T2 factor		Value	Phase	M0/T1 factor		Value
Master			0.01122	Master			0.01131	Master			1.095
	0.009500 (Minimum)	0.01100 (Nominal)	0.01250 (Maximum)		0.009500 (Minimum)	0.01100 (Nominal)	0.01250 (Maximum)		0.9000 (Minimum)	1.050 (Nominal)	1.200 (Maximum)
Phase	M0/T2 factor		Value	Phase	M2/T1 factor		Value	Phase	M2/T2 factor		Value
Master			1.090	Master			0.9742	Master			0.9869
	0.9000 (Minimum)	1.050 (Nominal)	1.200 (Maximum)		0.8500 (Minimum)	1.000 (Nominal)	1.150 (Maximum)		0.8500 (Minimum)	1.000 (Nominal)	1.150 (Maximum)
Phase	BTN shallow/T1 factor		Value	Phase	BTN shallow/T2 factor		Value	Phase	BTN medium/T1 factor		Value
Master			0.0006678	Master			0.0006828	Master			0.0006738
	0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)		0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)		0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)
Phase	BTN medium/T2 factor		Value	Phase	BTN deep/T1 factor		Value	Phase	BTN deep/T2 factor		Value
Master			0.0006861	Master			0.0006509	Master			0.0006599
	0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)		0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)		0.0005700 (Minimum)	0.0006700 (Nominal)	0.0007700 (Maximum)

Master: 29-Mar-2003 3:08			
8.25-in. Resistivity At-the-Bit Calibration			
Gamma Ray: Blanket			
Phase	Gamma ray factor		Value
Master			9.107
	6.500 (Minimum)	8.000 (Nominal)	9.500 (Maximum)

Company: Lamont-Doherty Earth Observatory

Well: ODP Leg 209 Site 1275C

Field: Mid-Atlantic Ridge

Rig: JOIDES Resolution

Ocean: Atlantic

GeoVISION Resistivity
1 cm : 1 m
Measured Depth



