

geoVISION Resistivity Image - APWD

Gamma Ray - Resistivity - Image - APWD

3.5in Recorded Mode Log. Measured Depth 1:500

Schlumberger

Company:		JAMSTEC	
Well:		C0019B	
Field:		Japan Trench - Miyagi Offshore	
Rig Name:		Chikyu	
State:		Miyagi	
Country:		Japan	
Latitude: 37° 56' 20.2" N	Longitude: 143° 54' 48.6" E	Job Number:	12JAP0004
Location:		Rig Name:	Chikyu
		Rig Type:	Drill Vessel
Location: Japan Trench			
L1: X = 756 050.70 m			
L2: Y=4 202 595.11 m			

Log Measured From: - Drill Floor: 28.50 m

Permanent Datum: - Mean Sea Level

Ground Level: 6889.50 m

Acquisition Dates:	21-Apr-2012 — 26-Apr-2012	Other Services:
Log Interval:	6910.00(m) — 7768.50(m)	Direction and Inclination
Index Types:	Measured Depth	Drilling Mechanics
Index Scales:	1:500	
Depth Source:	Driller's Depth	
Depth Sensor:	DES	
Print Type:	Final	
Print Date:	21-Apr-2012	

Disclaimer

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Contents

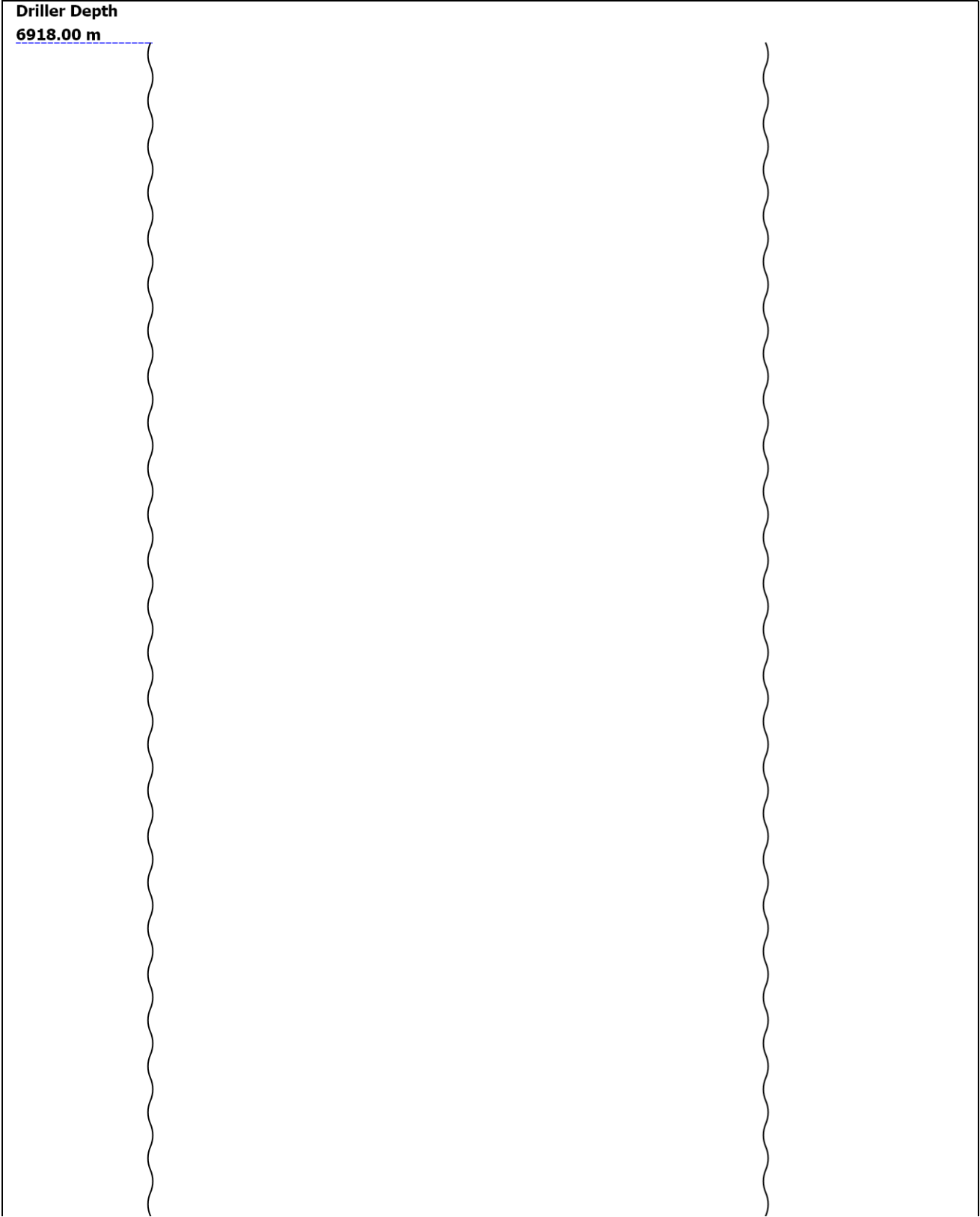
1. Header	12.4 Parameter Listing
2. Disclaimer	13. ReamUp Composite 3
3. Contents	13.1 Integration Summary
4. Well Sketch	13.2 Composite Summary
5. Borehole Size/Casing/Tubing Record	13.3 Log (JFAST RM GVR+APWD MD Digital)
6. Operational Run Summary	13.4 Parameter Listing
7. Borehole Fluids	14. Calibration Report
8. Remarks and Equipment Summary	15. Tail
9. Survey Record	
10. Run1	
10.1 Integration Summary	
10.2 Software Version	
10.3 Composite Summary	
10.4 Log (JFAST RM GVR+APWD MD Digital)	
10.5 Parameter Listing	

- 11.4 Parameter Listing
- 12. ReamUp Composite 2
 - 12.1 Integration Summary
 - 12.2 Composite Summary
 - 12.3 Log (JFAST RM GVR+APWD MD Digital)

Well Sketch

Driller Depth

6918.00 m






Borehole Size/Casing Record						
Bit						
Bit Size (in)	8.5					
Top Driller (m)	6918					
Bottom Driller (m)	7768.5					

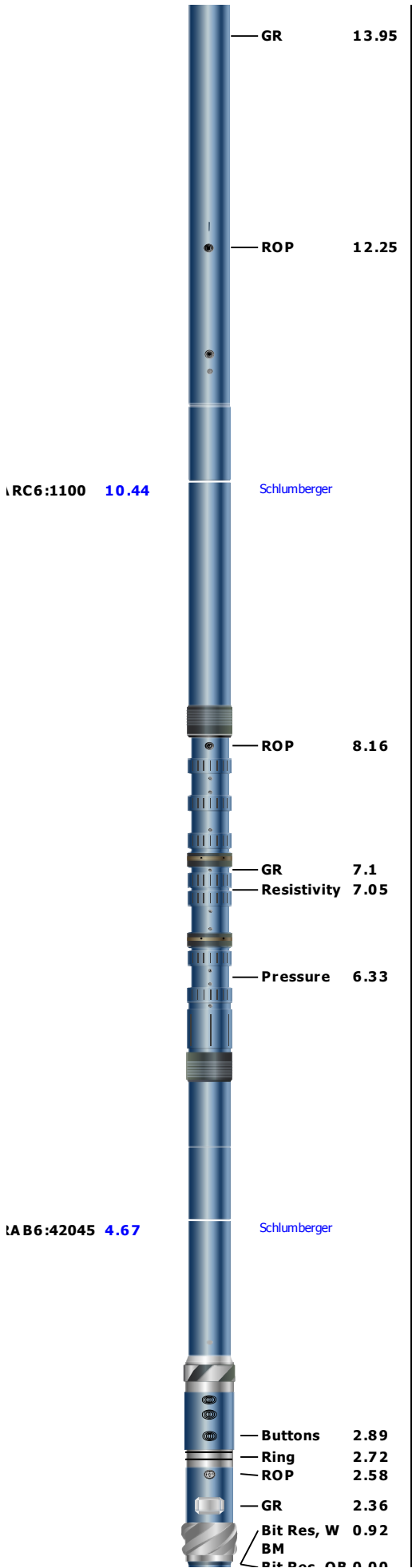
Operational Run Summary						
Parameter (unit)	Run1					
Date Log Started	21-Apr-2012					
Time Log Started	17:04:57					
Date Log Finished	26-Apr-2012					
Time Log Finished	20:21:59					
Bit Size (in)	8.500					
Bit Start Depth (m)	6918.00					
Bit Stop Depth (m)	7768.50					
Top Log Interval (m)	6918.00					
Bottom Log Interval (m)	7767.58					
Max Hole Deviation (deg)	8.27					
Azimuth of Max Deviation (deg)	355.55					
Logging Unit Number	OLU-KC-504					
Logging Unit Location	Comp Deck					
Recorded By	Wang Feng Chen Fei Fei Yue Zhi Liang					
Witnessed By	Yukari Kido Yoshi Sanada					
Service Order Number	12JAP0004					

Borehole Fluids						
Parameter(unit)	Run1					
Fluid Type	Water					
Max Recorded Temperatures (degC)	12					
Source of Sample	Active Tank					
Salinity (ppm)	38908.95					

PH						
Source RMF						
IMC						
IM @ Meas Temp ohm.m@degC)	0.29 @ 2					
IMF @ Meas Temp ohm.m@degC)						
IMC @ Meas Temp ohm.m@degC)						
IM @ BHT (ohm.m@degC)	0.2 @ 12					
IMF @ BHT (ohm.m@degC)						
IMC @ BHT (ohm.m@degC)						
Total Solid (%)						
High Gravity Solids (%)						

Remarks and Equipment Summary

Run1: Toolstring			Run1: Remarks
<div><div><div>Equipment name</div><div>Length</div></div><div><div>Bitab: 6 3/4"</div><div>28.75</div></div><div><div>OSS050860</div><div></div></div></div> <div></div> <div><div><div>MP name</div><div>Offset</div></div><div><div>Schlumberger</div><div></div></div></div> <div><div><div>IMDC: 6 3/4</div><div>27.00</div></div><div><div>SBD7365</div><div></div></div></div> <div><div><div>MP name</div><div>Offset</div></div><div><div>Schlumberger</div><div></div></div></div> <div><div><div>MP name</div><div>Offset</div></div><div><div>Schlumberger</div><div></div></div></div>			Data presented is Recorded Mode data which was acquired while drilling.
			Depth reference is driller's depth measured from Rotary Table.
			geoVISION record rate is 10s, arcVISION record rate is 10s.
			geoVISION GR is corrected for bit size, tool size and mud weight. No potassium in mud.
			geoVISION resistivity is environmentally corrected for bit size and mud resistivity.
			Drill Time: 31.24 hrs
			Pump Time: 66.20 hrs



#:1500044

lit: 8 1/2":J 0.25
6234



TOOL_ZERO

Lengths are in m

Maximum Outer Diameter = 8.500 in

Line: Sensor Location, Value: Gating Offset

All measurements are relative to TOOL_ZERO

Survey Record

Method :	Minimum Radius of Curvature	DLS Method :	Lubinski
North Reference :	Grid North	Total Correction Formula :	Magnetic Dec - Grid Convergence
Grid Convergence :	1.79 deg		

Point Location					
Latitude :	37° 56' 20.2" N	Longitude :	143° 54' 48.6" E		
Tie In Point					
Measured Depth:	0.00 m	Inclination:	0.00 deg	Azimuth:	0.00 deg
True Vertical Depth:	0.00 m	North Displacement:	0.00 m	East Displacement:	0.00 m
I/S VSec Origin:	0.00 m	E/-W VSec Origin:	0.00 m	Vertical Section Azimuth:	0.00 deg

DLS Inits Computed and Values Used - Run 1					
Geomagnetic Model :	BGGM 2011	Geomagnetic Date :	22-Apr-2012		
Computed Location B :	46518.57 nT +/- 300.00nT	Used Location B :	46518.57 nT +/- 300.00nT		
Computed Location G :	9.80 m/s2 +/- 0.02m/s2	Used Location G :	9.80 m/s2 +/- 0.02m/s2		
Computed Magnetic Dip :	51.40 deg +/- 0.45deg	Used Magnetic Dip :	51.40 deg +/- 0.45deg		
Computed Magnetic Dec :	-7.20 deg	Used Magnetic Dec :	-7.20 deg		
Computed Total Correction :	-8.99 deg	Used Total Correction :	-8.99 deg		

Survey Quality Index			
1 : Long Survey failed mag criteria	4 : Long Survey failed all criteria	9 : Manual	
8 : Tie-In Point			

Survey Correction Index	
1 : No correction	

Survey Description Index	
1 : Not Flagged Survey	11 : Secondary Tie-In Point

Seq	MD (m)	Incl (deg)	Azim (deg)	Course (m)	TVD (m)	V Sec (m)	N/ -S (m)	E/ -W (m)	Closure (m)	at Azim (deg)	DLS deg/30m	Tool Type	QI	CI	D
	0.00	0.00	0.00	----	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
	6918.00	0.00	0.00	6918.00	6918.00	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	0	1
	6938.55	2.22	312.85	20.55	6938.54	0.27	0.27	-0.29	0.40	312.85	3.24	TeleScope	4	0	0
	6966.78	1.82	332.41	28.23	6966.76	1.04	1.04	-0.90	1.37	319.11	0.84	TeleScope	4	0	0
	6995.50	1.85	345.24	28.72	6995.46	1.89	1.89	-1.23	2.25	326.99	0.43	TeleScope	4	0	0
	7022.98	1.76	339.12	27.48	7022.93	2.71	2.71	-1.49	3.09	331.20	0.23	TeleScope	4	0	0
	7051.92	1.77	333.90	28.94	7051.86	3.53	3.53	-1.85	3.98	332.38	0.17	TeleScope	2	0	0
	7080.68	1.62	338.38	28.76	7080.60	4.30	4.30	-2.19	4.83	333.03	0.21	TeleScope	4	0	0
	7109.40	1.86	338.50	28.72	7109.31	5.12	5.12	-2.51	5.70	333.85	0.25	TeleScope	2	0	0
0	7136.77	1.91	341.57	27.36	7136.66	5.96	5.96	-2.82	6.60	334.70	0.12	TeleScope	4	0	0
1	7165.72	2.17	340.63	28.95	7165.59	6.94	6.94	-3.15	7.62	335.56	0.26	TeleScope	4	0	0
2	7175.39	2.05	341.72	9.68	7175.26	7.28	7.28	-3.27	7.98	335.81	0.37	TeleScope	4	0	0
3	7203.75	1.99	344.25	28.35	7203.60	8.23	8.23	-3.56	8.97	336.61	0.11	TeleScope	4	0	0
4	7232.01	1.99	347.59	28.26	7231.84	9.18	9.18	-3.80	9.94	337.52	0.12	TeleScope	4	0	0
5	7260.73	2.07	345.02	28.72	7260.54	10.17	10.17	-4.04	10.95	338.33	0.13	TeleScope	2	0	0
6	7288.34	2.04	349.09	27.61	7288.14	11.14	11.14	-4.26	11.93	339.05	0.16	TeleScope	4	0	0
7	7320.29	2.17	352.55	31.95	7320.07	12.30	12.30	-4.45	13.08	340.11	0.17	TeleScope	4	0	0
8	7352.73	2.49	346.92	32.44	7352.48	13.59	13.59	-4.69	14.38	340.97	0.36	TeleScope	4	0	0
9	7381.26	2.64	347.72	28.53	7380.98	14.84	14.84	-4.97	15.64	341.48	0.17	TeleScope	2	0	0

3	7470.38	3.30	351.72	28.31	7470.13	20.00	20.00	-5.38	20.07	343.33	1.20	TeleScope	4	0	0
4	7504.90	4.22	351.85	28.32	7504.40	21.98	21.98	-6.27	22.86	344.09	0.33	TeleScope	4	0	0
5	7532.49	4.65	352.75	27.60	7531.92	24.10	24.10	-6.55	24.97	344.79	0.48	TeleScope	4	0	0
6	7561.25	4.92	355.71	28.76	7560.58	26.48	26.48	-6.79	27.34	345.62	0.39	TeleScope	2	0	0
7	7588.98	5.48	352.73	27.73	7588.19	28.98	28.98	-7.05	29.83	346.33	0.67	TeleScope	2	0	0
8	7621.71	5.96	355.13	32.73	7620.75	32.23	32.23	-7.39	33.06	347.09	0.49	TeleScope	4	0	0
9	7627.56	6.03	356.23	5.85	7626.57	32.83	32.83	-7.43	33.67	347.24	0.69	TeleScope	4	0	0
0	7656.14	6.31	352.35	28.58	7654.99	35.89	35.89	-7.74	36.72	347.83	0.53	TeleScope	4	0	0
1	7684.97	7.11	354.55	28.83	7683.62	39.24	39.24	-8.12	40.07	348.30	0.87	TeleScope	2	0	0
2	7713.15	7.62	354.47	28.18	7711.57	42.83	42.83	-8.47	43.66	348.82	0.55	TeleScope	4	0	0
3	7741.26	8.27	355.55	28.11	7739.41	46.70	46.70	-8.80	47.52	349.32	0.71	TeleScope	2	0	0

Run1

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Software Version

Acquisition System	Version
MaxWell	3.0.9609.0
Application Patch	SP-20120409-3.0.9609.1919

Computation	Description	Version
RAB6GR	RAB6 Gamma Ray Computation Package for both Real-time and Recorded Mode	3.0.9609.1373
RAB6Res	RAB6 Resistivity Computation Package for both Real-time and Recorded Mode	3.0.9609.1373
ARC6Pressure	ARC6 Pressure Computation Package for both Real-time and Recorded Mode	3.0.9609.0

Tool Elements	Description	Software Version	Firmware Version
RBEC	Electronics Chassis Assembly for RAB6-C	3.0.9609.1373	V8.5B
DRILLING_SURFACE	DRILLING_SURFACE	3.0.9609.1373	
APWD	APWD Sensor 25 kpsi	3.0.9609.0	V9.5B

Pass Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Drilling	Down	6899.71 m	7768.31 m	21-Apr-2012 5:04:57 PM	26-Apr-2012 8:21:59 PM	true

All depths are referenced to toolstring zero

LogRun1: Drilling 0171927D-C22B-449A-BF7F-37C8F1B668EB

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth Creation Date: 11-May-2012 18:06:39

Channel	Source	Sampling
RAP	ARC6:ARC6	6in - RM
RAT	ARC6:ARC6	6in - RM
APWD	ARC6:ARC6:APWD	6in - RM
R	RAB6:RAB6:RBEC	6in - RM
ES_BD	RAB6:RAB6:RBEC	1.2in - RM
ES_BIT	RAB6:RAB6:RBEC	1.2in - RM
ES_BM	RAB6:RAB6:RBEC	1.2in - RM
ES_BS	RAB6:RAB6:RBEC	1.2in - RM
ES_RING	RAB6:RAB6:RBEC	1.2in - RM

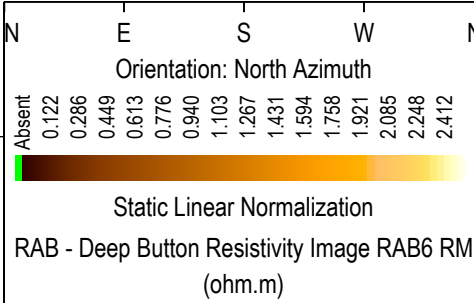
RES_RING - Ring Resistivity RAB6 RM

GR - Gamma Ray RAB6 RM

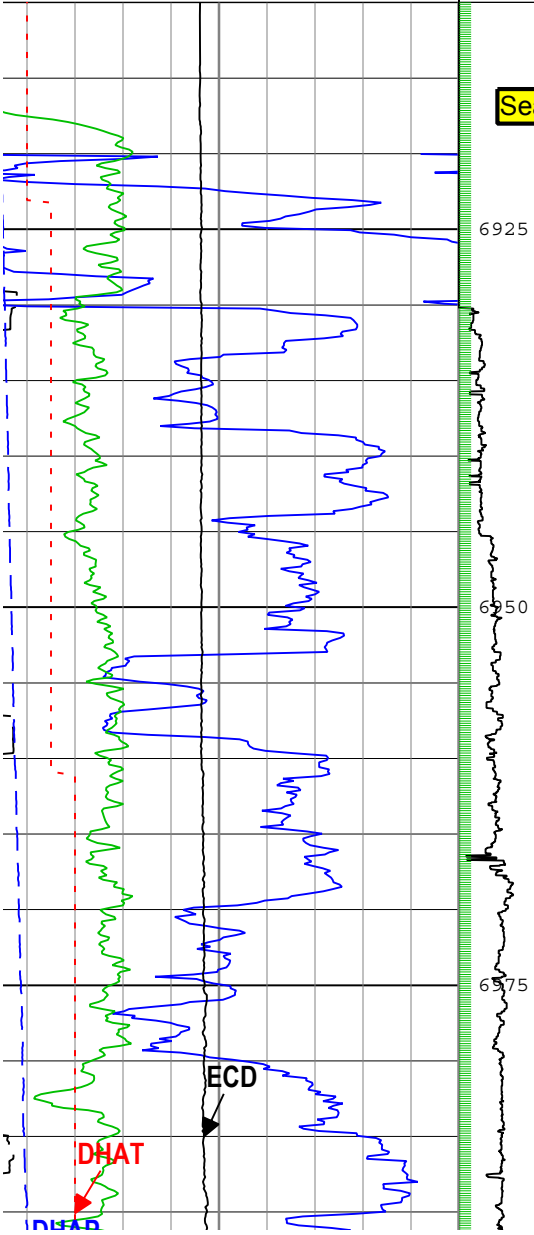
Ring Resistivity Time After Bit (TAB_RES_RING) RAB6		
h		10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
m/h		0
Gamma Ray (GR) RAB6 RM		
gAPI		150
Downhole Annulus Pressure (DHAP) ARC6 RM		
kPa		85000
Downhole Annulus Temperature (DHAT) ARC6 RM		
degC		20
Equivalent Circulating Density (ECD) ARC6 RM		
g/cm3		1.1

Rotational
Speed (RPM)
RAB6 RM

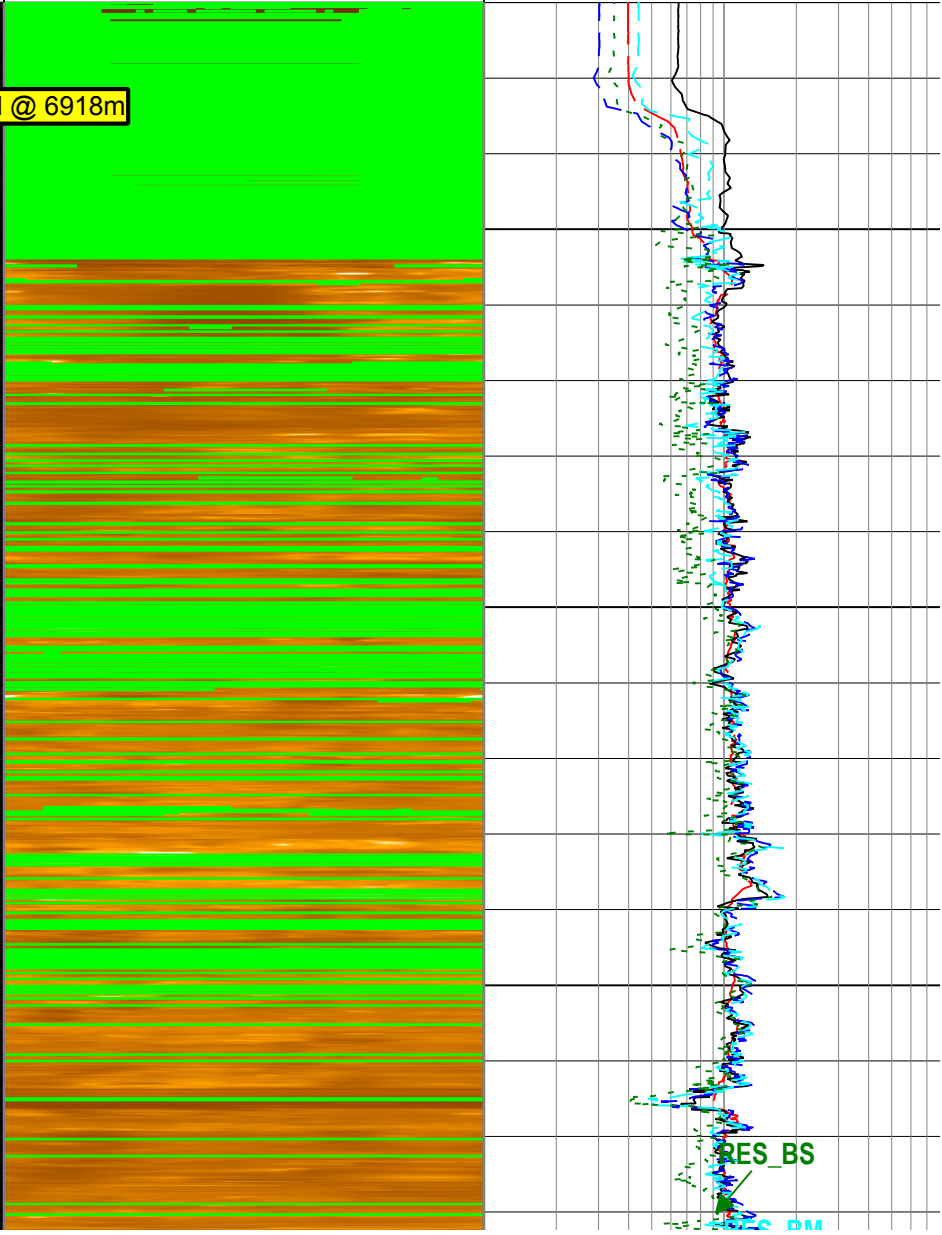
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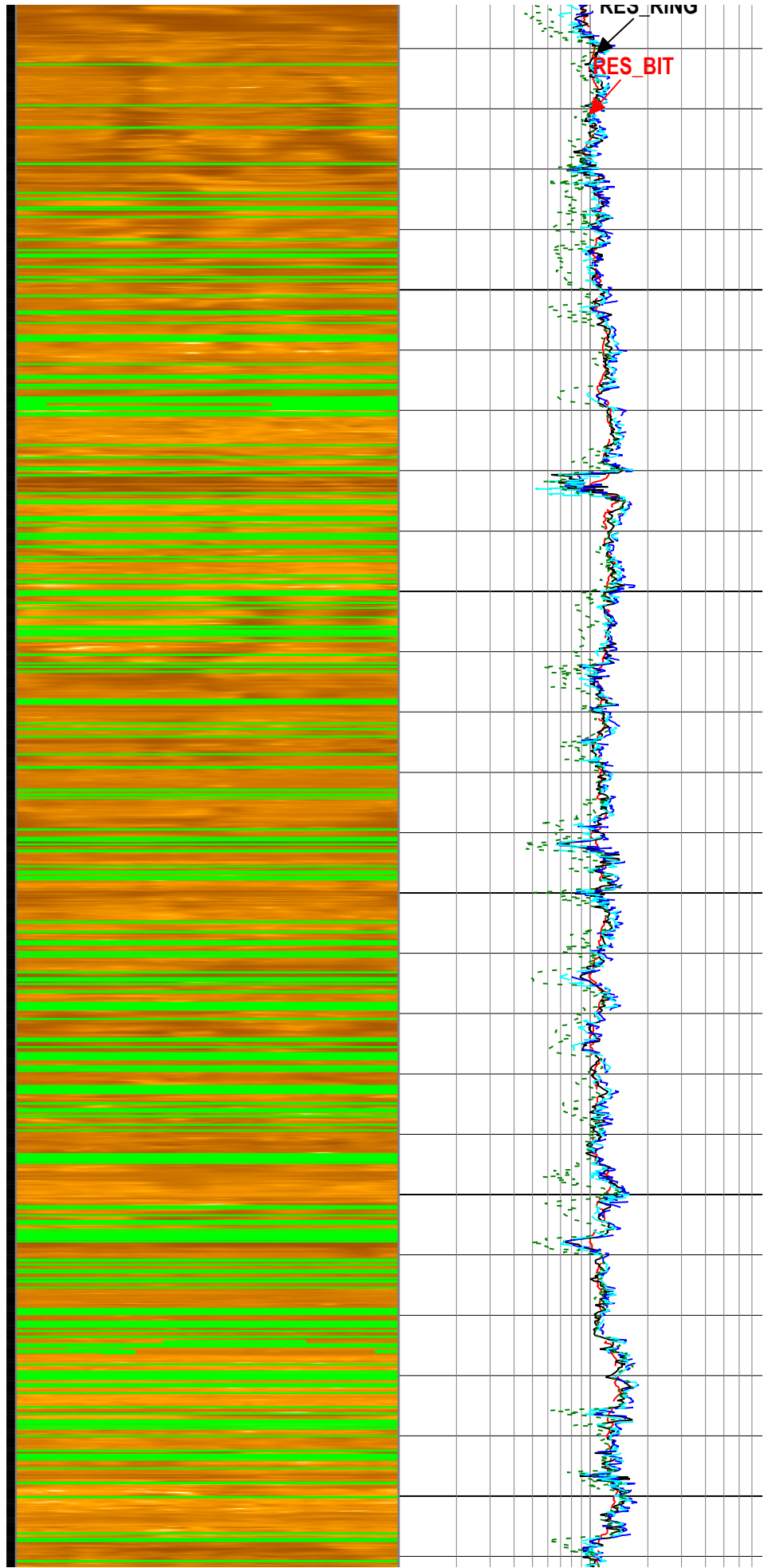
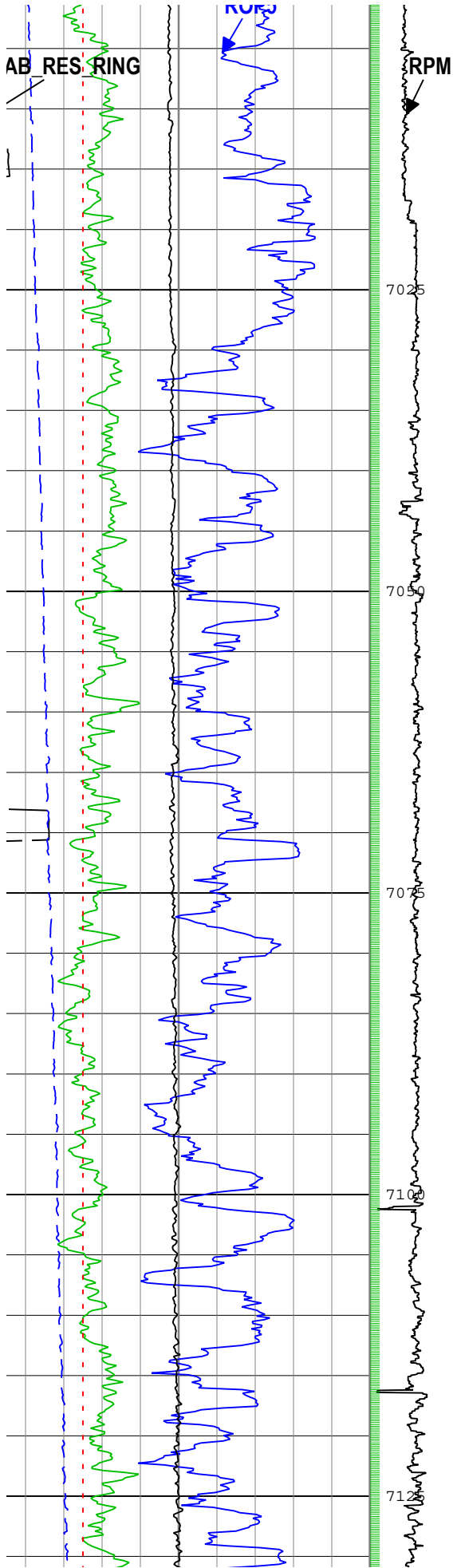


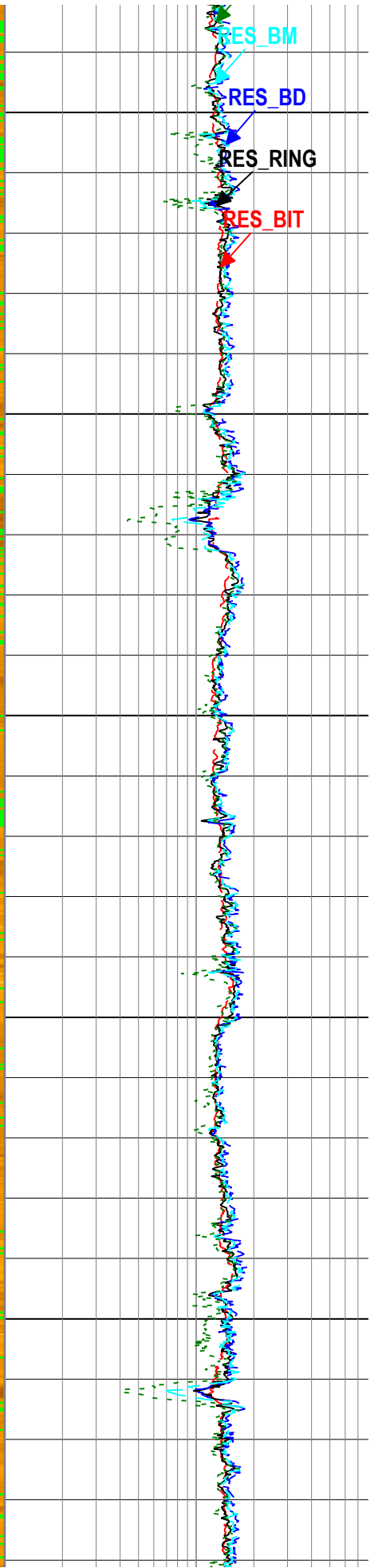
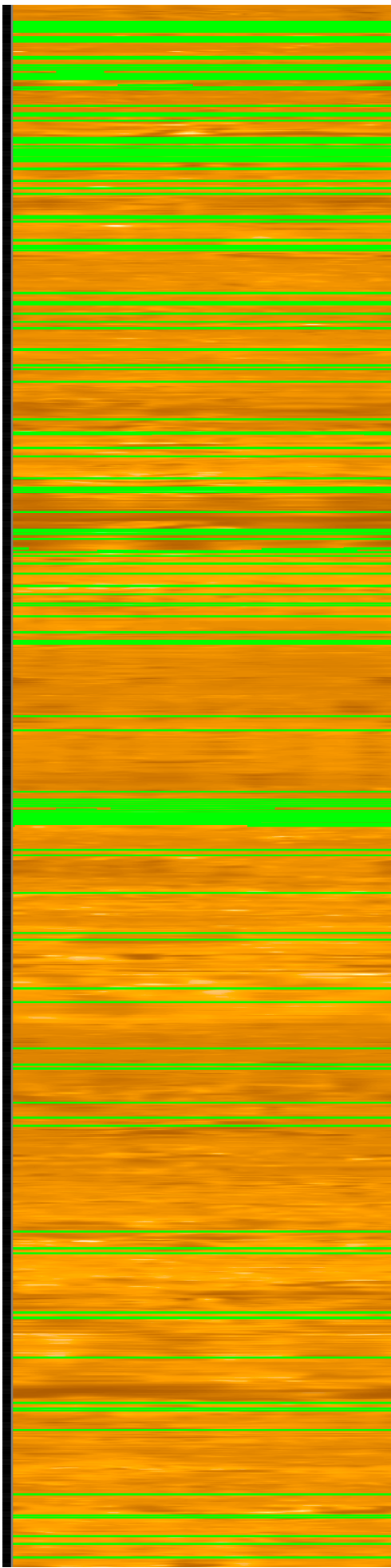
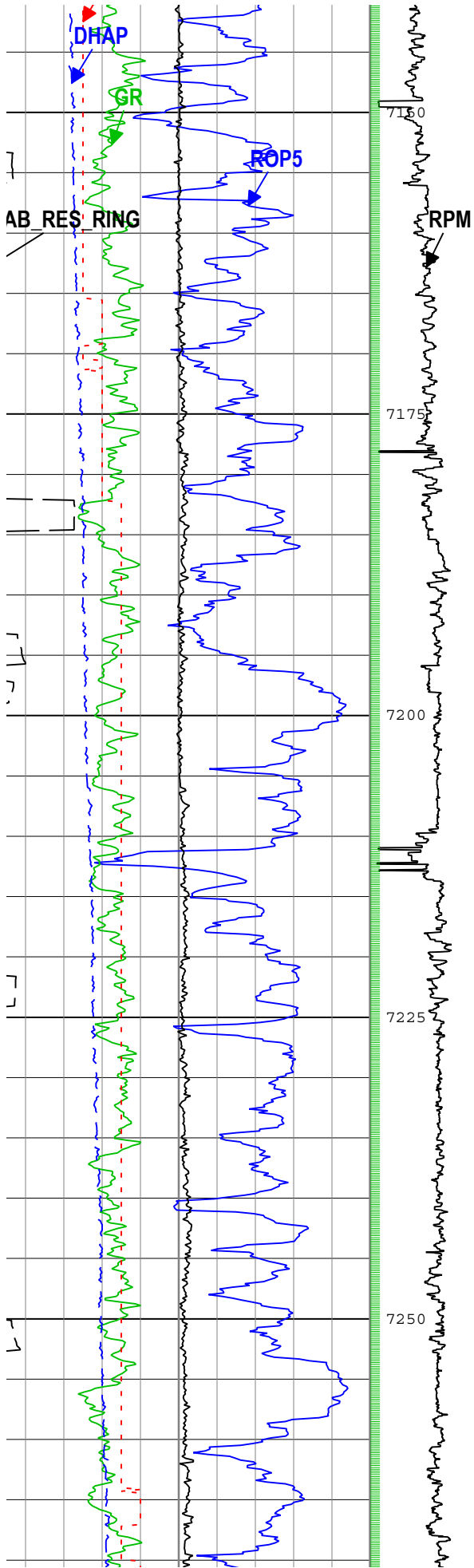
Sea Bed @ 6918m

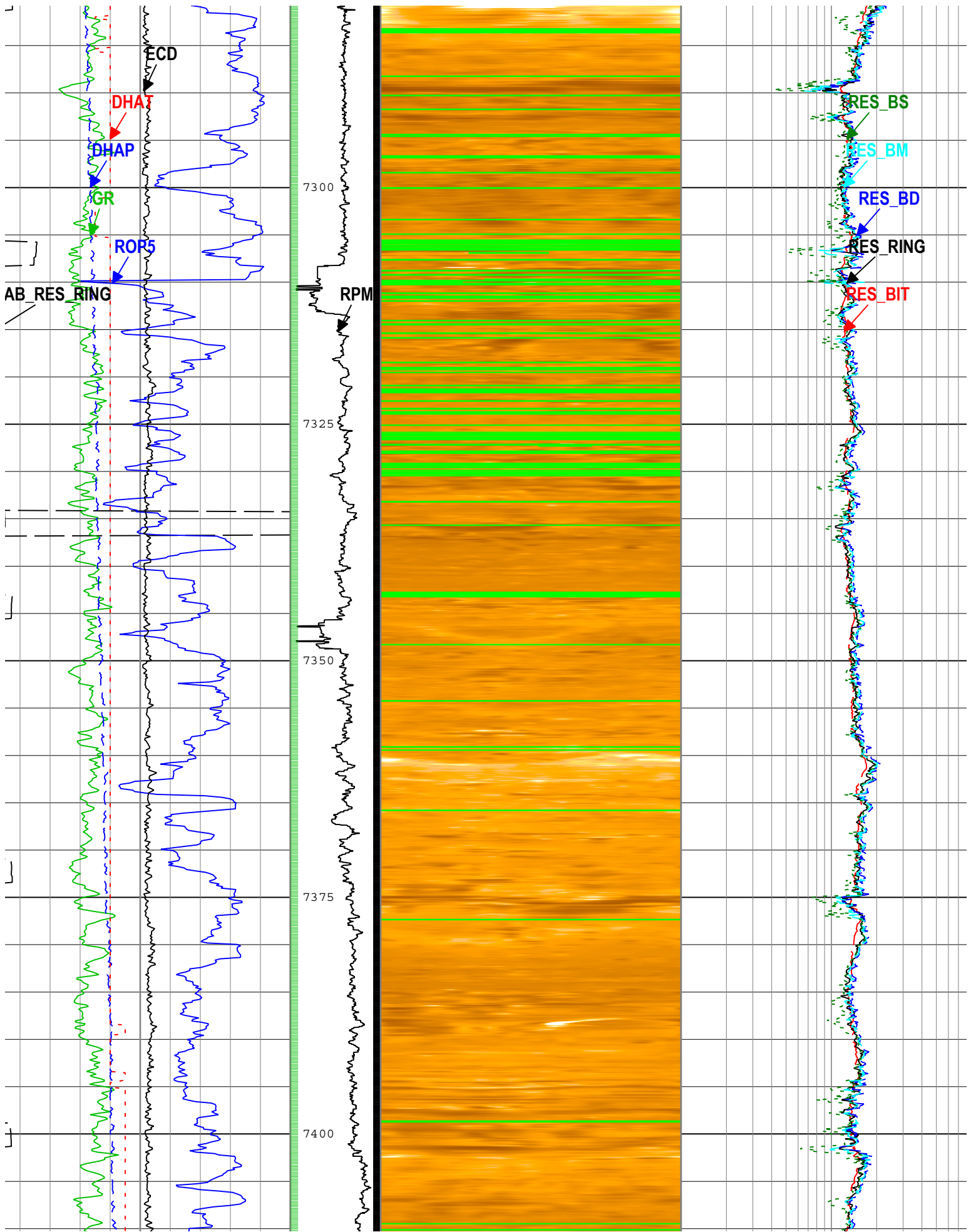


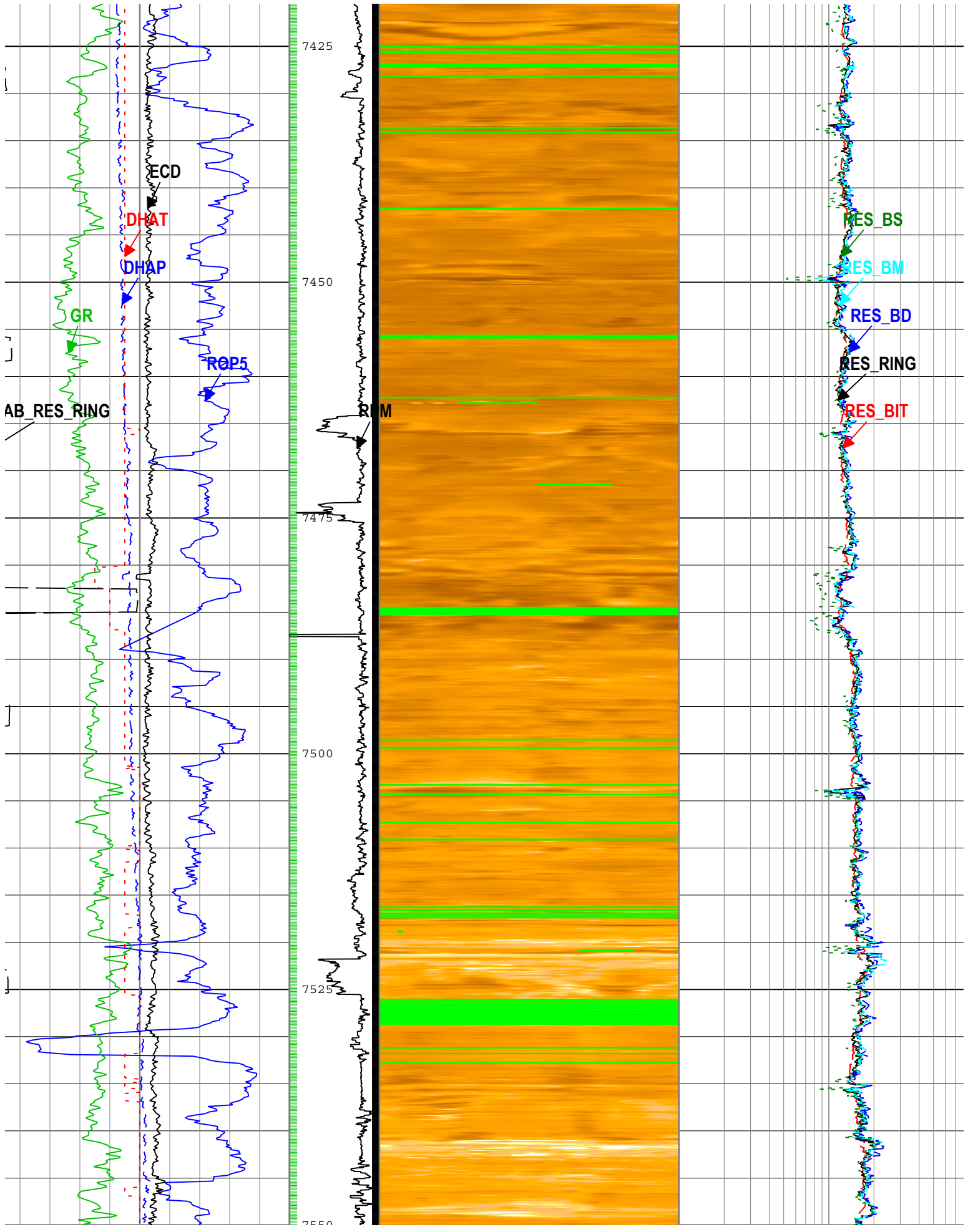
Bit Resistivity (RES_BIT) RAB6 RM		
ohm.m		0.1
Ring Resistivity (RES_RING) RAB6 RM		
ohm.m		0.1
Deep Button Resistivity (RES_BD) RAB6 RM		
ohm.m		0.1
Medium Button Resistivity (RES_BM) RAB6 RM		
ohm.m		0.1
Shallow Button Resistivity (RES_BS) RAB6 RM		
ohm.m		0.1

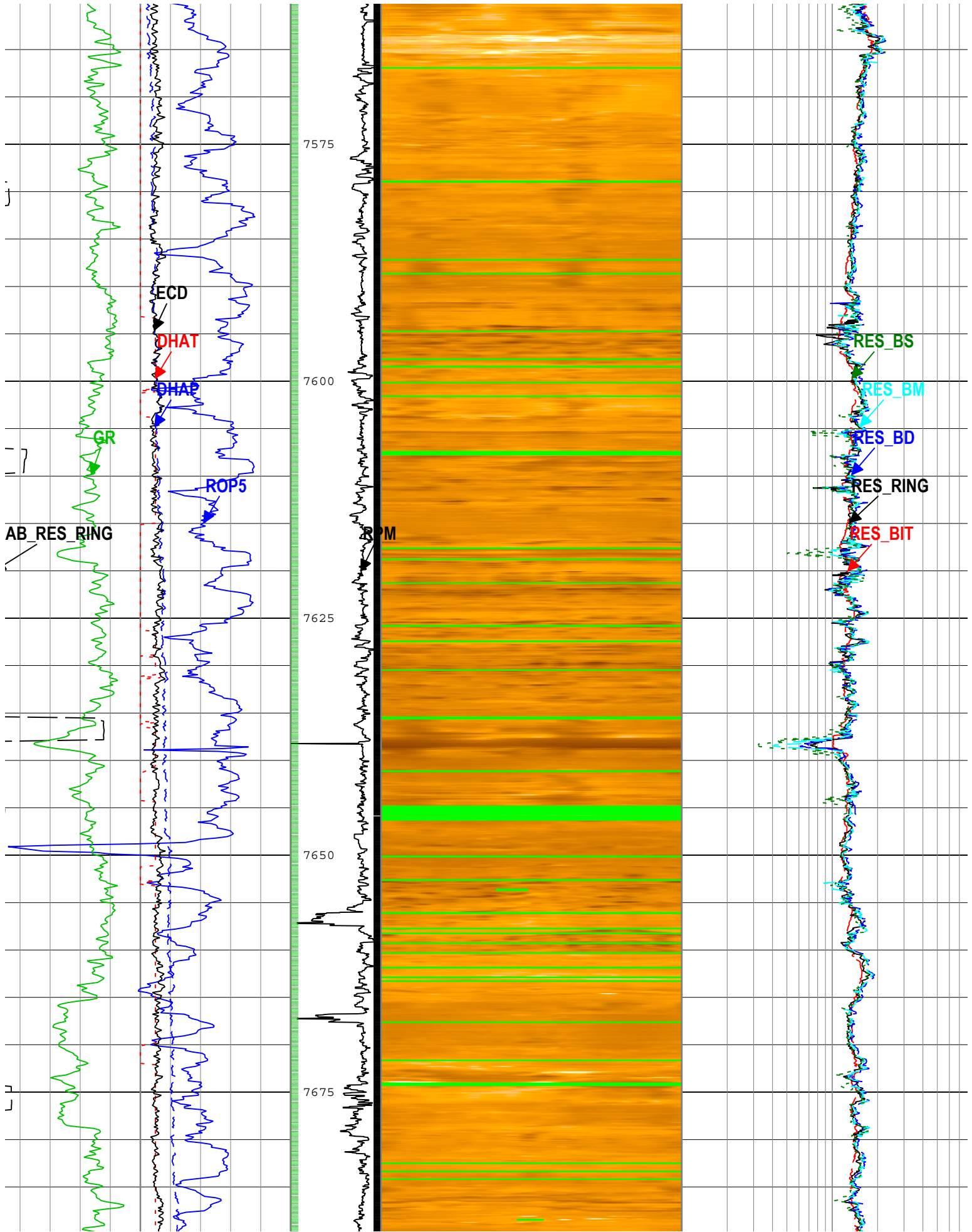


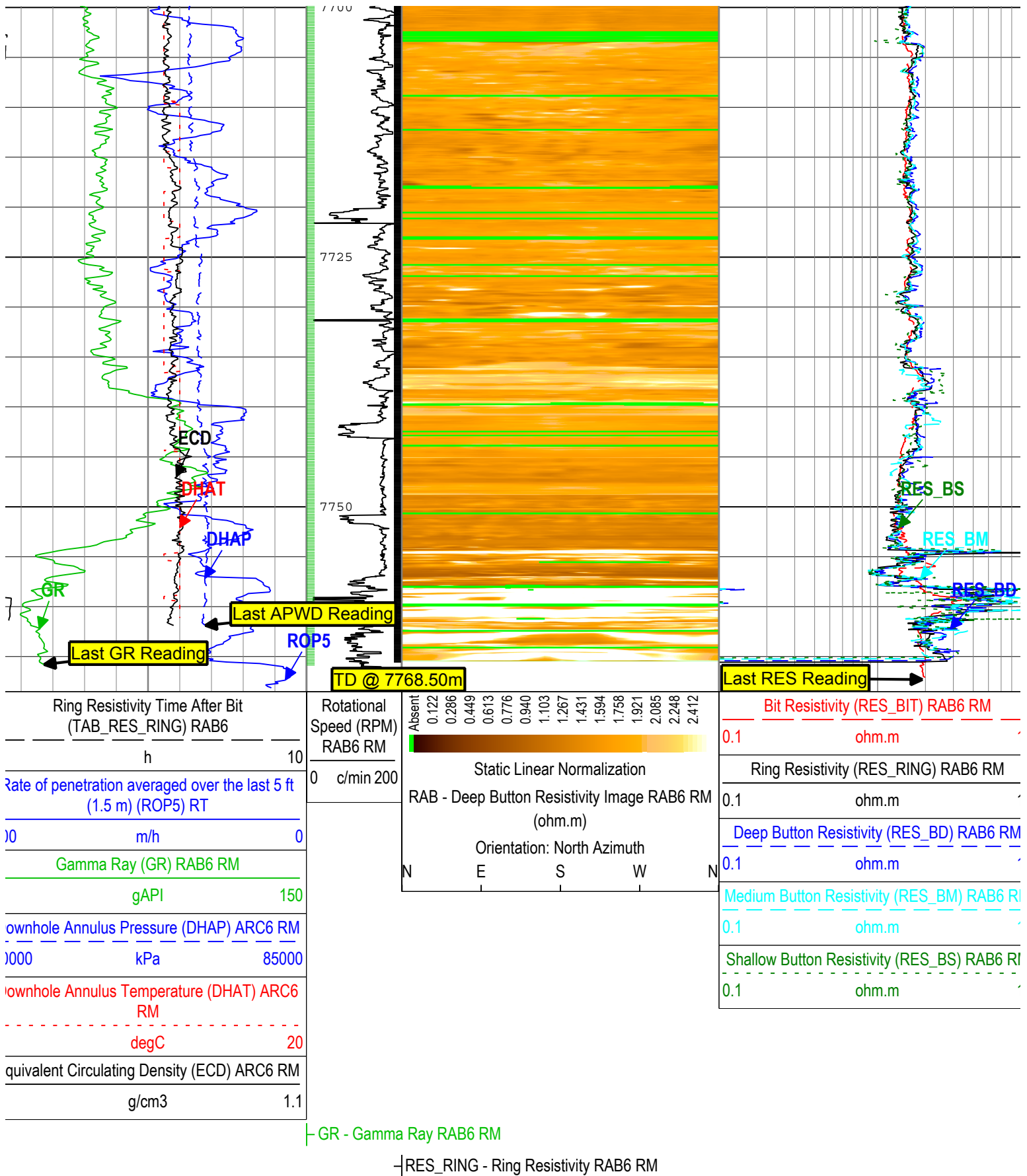












Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth Creation Date: 11-May-2012 18:06:39

Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
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FD	Drilling Fluid Density	Borehole	1.04	g/cm3
FT	Drilling Fluid Type	Borehole	Water	
LEV	Depth of Drilling Fluid Level to LMF (Log Measured From)	Borehole	28.5	m
GRD	Geothermal Gradient	Borehole	11.66	degC/km
RSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS	
TSE_RT	Generalized Temperature Selection for Realtime Mode	Borehole	GTEM_GRDBOTTOM(RT)	
IG_INTERP_WIN	Maximum Interpolation Window Size for Image	RAB6:RAB6:RBEC	0.15	m
ST	Mud Sample Temperature	Borehole	2	degC
ES_BD_IMG_SEL	GVR Output Resistivity Image Selection, Deep Button	RAB6:RAB6:RBEC	Compensated Uphole	
HO_SEAWATER	Density of the Sea Water	Borehole	1.04	g/cm3
MS	Resistivity of Mud Sample	Borehole	0.29	ohm.m
F_FLAG	Mud Return to Sea Floor (No Riser)?	Borehole	No	
HT	Surface Hole Temperature	Borehole	10	degC
D	Total Measured Depth	Borehole	7768.5	m
EMP_SEL_RAB	RAB Temperature Selection	RAB6:RAB6:RBEC	Tool	

Depth Zone Parameters

arameter	Value	Start (m)	Stop (m)
S	0	6910	6918
S	8.5	6918	7768.5

Il depth are actual.

Tool Control Parameters

arameter	Description	ToolPath	Value	Unit
FFBTM_TH	Threshold for deciding whether the bit is off bottom	DnMWorkflow	Time Zoned	m

Time Zone Parameters

arameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
FFBTM_TH	0.2	21-Apr-2012 17:04:57	25-Apr-2012 22:24:51	6899.71	7768.18
FFBTM_TH	0.4	25-Apr-2012 22:24:51	26-Apr-2012 20:21:59	7768.18	7768.31

Il depth are at tool zero.

ReamUp Composite 1

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 1	Up	7745.45 m	7767.22 m	25-Apr-2012 11:01:58 PM	26-Apr-2012 12:03:43 AM	true
Run1	Ream Up 2	Up	7721.63 m	7752.46 m	26-Apr-2012 12:06:15 AM	26-Apr-2012 1:21:13 AM	true

Il depths are referenced to toolstring zero

Log ReamUp Composite 1 766C8710-111A-4D28-8E1B-D490FB185D14

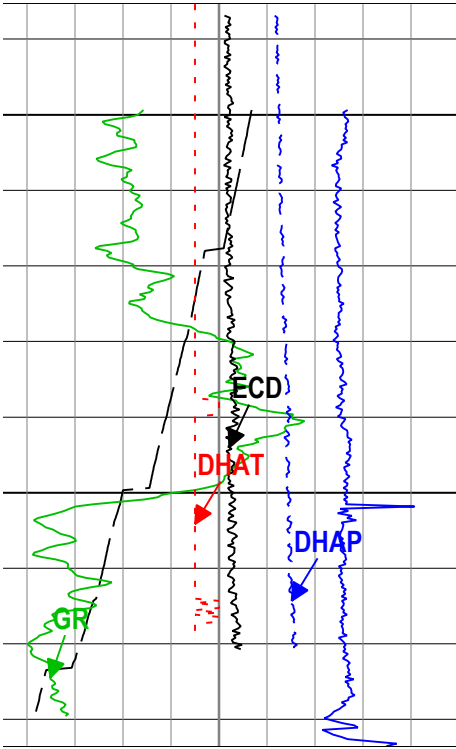
Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type:			
Measured Depth Creation Date: 11-May-2012 18:07:00			
Channel	Source	Sampling	

ES_BD	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BIT	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BM	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BS	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_RING	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
OP5	DRILLING_SURFACE	6in - RT
PM	RAB[1]:RAB[1]	1.2in - RM
AB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

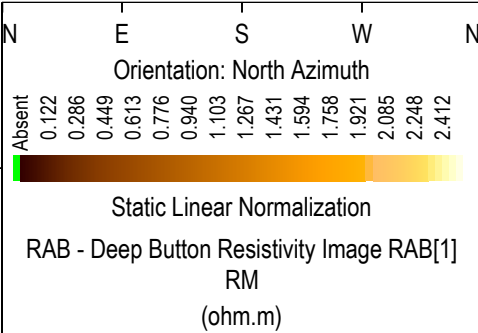
RES_RING - Ring Resistivity RAB[1] RM

GR - Gamma Ray RAB[1] RM

Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]		
h		10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
10	m/h	0
Gamma Ray (GR) RAB[1] RM		
gAPI		150
Downhole Annulus Pressure (DHAP) ARC[1]		
RM		
1000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1]		
RM		
degC		20
Equivalent Circulating Density (ECD) ARC[1]		
RM		
g/cm3		1.1

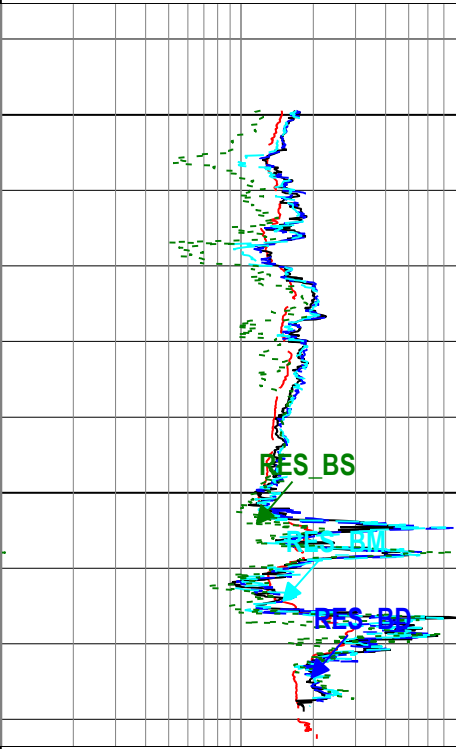


Rotational Speed (RPM)
RAB[1] RM
0 c/min 200



Rotational Speed (RPM)

Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	
Medium Button Resistivity (RES_BM) RAB[1] RM		
0.1	ohm.m	
Shallow Button Resistivity (RES_BS) RAB[1] RM		
0.1	ohm.m	



Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]
--

Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	

Gamma Ray (GR) RAB[1] RM		
gAPI		150
Downhole Annulus Pressure (DHAP) ARC[1] RM		
kPa		85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		
degC		20
Equivalent Circulating Density (ECD) ARC[1] RM		
g/cm3		1.1

GR - Gamma Ray RAB[1] RM

RES_RING - Ring Resistivity RAB[1] RM

Orientation: North Azimuth				
N	E	S	W	N

0.1	ohm.m
Medium Button Resistivity (RES_BM) RAB[1] RM	
0.1	ohm.m
Shallow Button Resistivity (RES_BS) RAB[1] RM	
0.1	ohm.m

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth Creation Date: 11-May-2012 18:07:00

ReamUp Composite 2

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 3	Up	7645.02 m	7657.03 m	26-Apr-2012 1:48:22 AM	26-Apr-2012 2:21:04 AM	true
Run1	Ream Up 4	Up	7609.15 m	7646.24 m	26-Apr-2012 2:37:56 AM	26-Apr-2012 4:12:01 AM	true
Run1	Ream Up 5	Up	7600.19 m	7610.27 m	26-Apr-2012 4:41:47 AM	26-Apr-2012 5:07:30 AM	true

All depths are referenced to toolstring zero

Log

ReamUp Composite 2 77C2AC54-7156-400A-A577-CD68B5B4BEC2

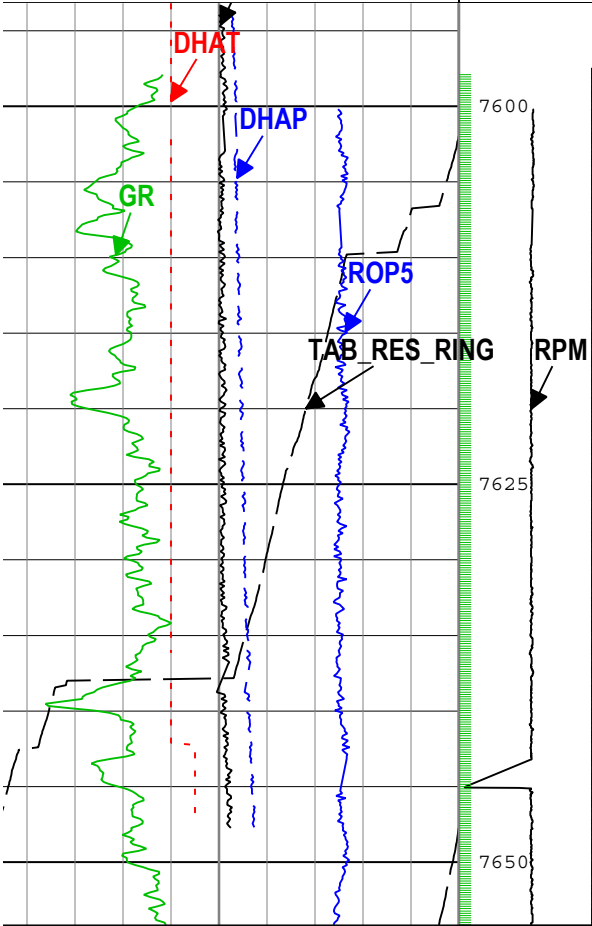
Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth Creation Date: 11-May-2012 18:07:06

Channel	Source	Sampling
DHAP	ARC[1]:ARC[1]	6in - RM
DHAT	ARC[1]:ARC[1]	6in - RM
ECD	ARC[1]:ARC[1]:APWD[1]	6in - RM
GR	RAB[1]:RAB[1]:RBEC[1]	6in - RM
RES_BD	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BIT	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BM	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_BS	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
RES_RING	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
DP5	DRILLING_SURFACE	6in - RT
PM	RAB[1]:RAB[1]	1.2in - RM
AB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

RES_RING - Ring Resistivity RAB[1] RM

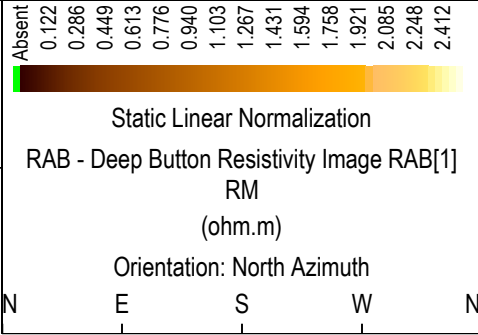
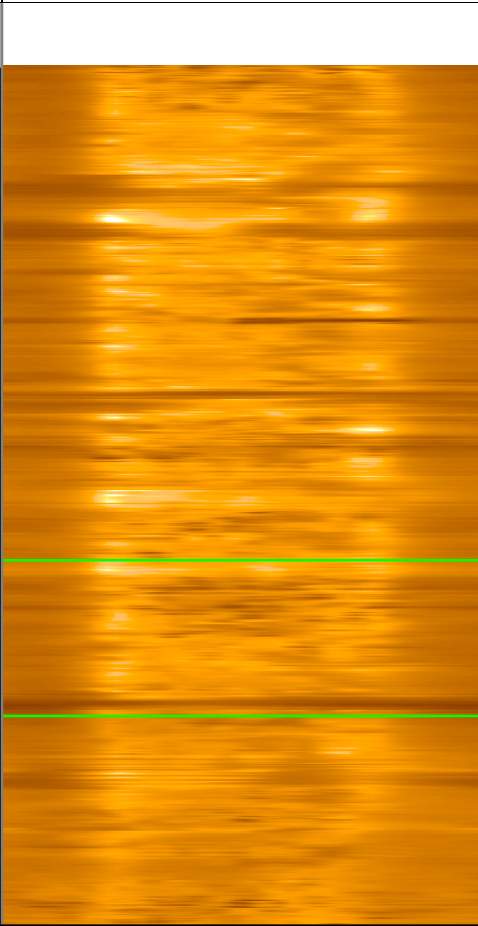
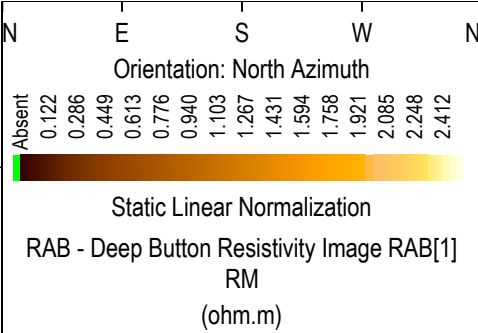
GR - Gamma Ray RAB[1] RM

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
10	m/h	0
Gamma Ray (GR) RAB[1] RM		
	gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM		
1000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		
	degC	20
Equivalent Circulating Density (ECD) ARC[1] RM		
	g/cm3	1.1

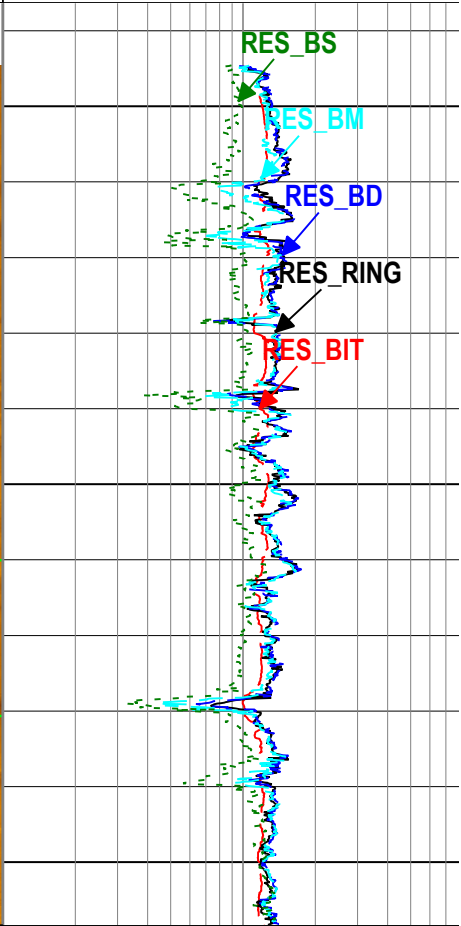


Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]		
	h	10

Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT		
10	m/h	0
Gamma Ray (GR) RAB[1] RM		
	gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM		
1000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] RM		



Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	
Medium Button Resistivity (RES_BM) RAB[1] RM		
0.1	ohm.m	
Shallow Button Resistivity (RES_BS) RAB[1] RM		
0.1	ohm.m	



Bit Resistivity (RES_BIT) RAB[1] RM		
0.1	ohm.m	
Ring Resistivity (RES_RING) RAB[1] RM		
0.1	ohm.m	
Deep Button Resistivity (RES_BD) RAB[1] RM		
0.1	ohm.m	
Medium Button Resistivity (RES_BM) RAB[1] RM		
0.1	ohm.m	
Shallow Button Resistivity (RES_BS) RAB[1] RM		

g/cm3	1.1
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GR - Gamma Ray RAB[1] RM

RES_RING - Ring Resistivity RAB[1] RM

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type:
Measured Depth Creation Date: 11-May-2012 18:07:06

ReamUp Composite 3

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run1	Ream Up 6	Up	7296.07 m	7311.47 m	26-Apr-2012 7:05:37 AM	26-Apr-2012 7:37:43 AM	true
Run1	Ream Up 7	Up	7267.04 m	7298.56 m	26-Apr-2012 8:02:07 AM	26-Apr-2012 9:21:38 AM	true
Run1	Ream Up 8	Up	7250.07 m	7268.79 m	26-Apr-2012 10:10:43 AM	26-Apr-2012 10:59:30 AM	true

All depths are referenced to toolstring zero

Log ReamUp Composite 3 EF59FE12-AD2D-45B6-BD54-BEE86F46066D

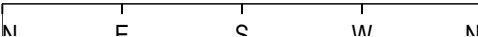
Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type:
Measured Depth Creation Date: 11-May-2012 18:07:11

Channel	Source	Sampling
HAP	ARC[1]:ARC[1]	6in - RM
HAT	ARC[1]:ARC[1]	6in - RM
MD	ARC[1]:ARC[1]:APWD[1]	6in - RM
R	RAB[1]:RAB[1]:RBEC[1]	6in - RM
ES_BD	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BIT	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BM	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_BS	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ES_RING	RAB[1]:RAB[1]:RBEC[1]	1.2in - RM
ROP5	DRILLING_SURFACE	6in - RT
RM	RAB[1]:RAB[1]	1.2in - RM
TAB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

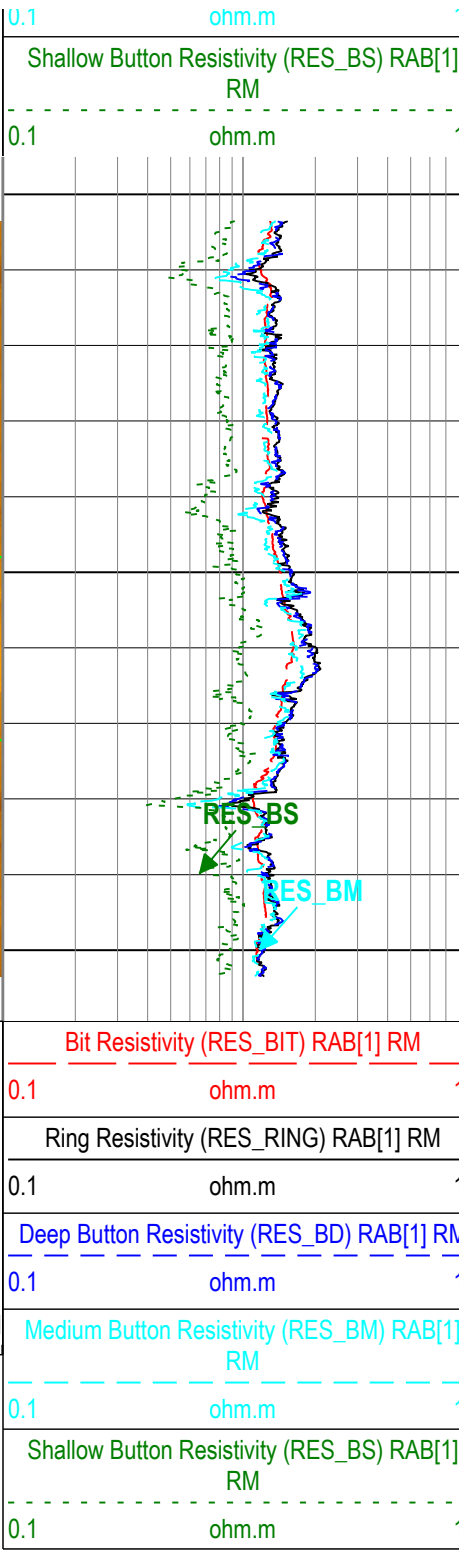
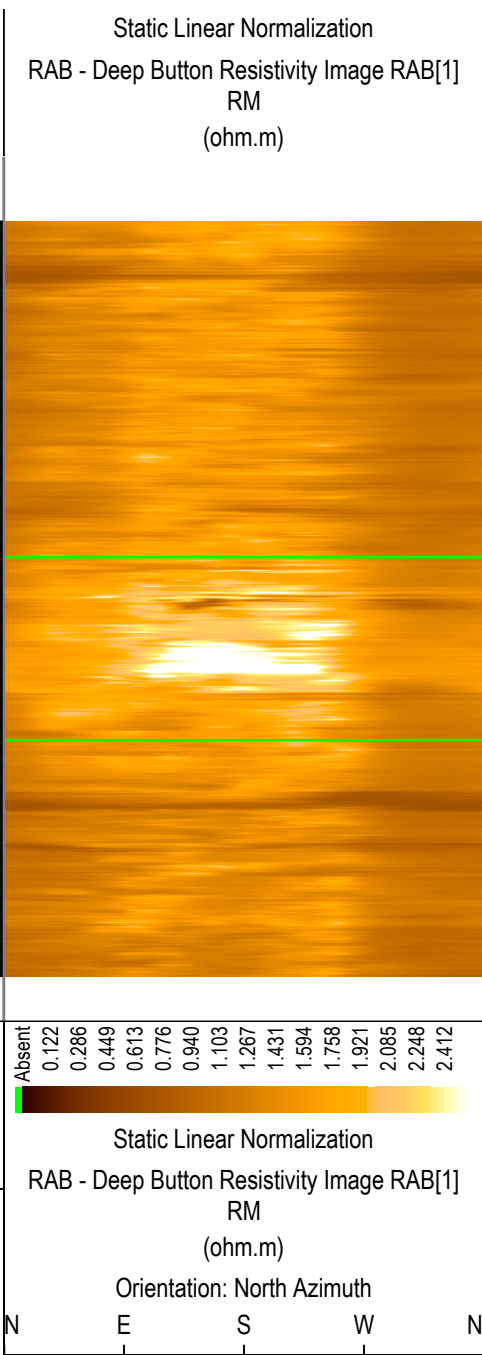
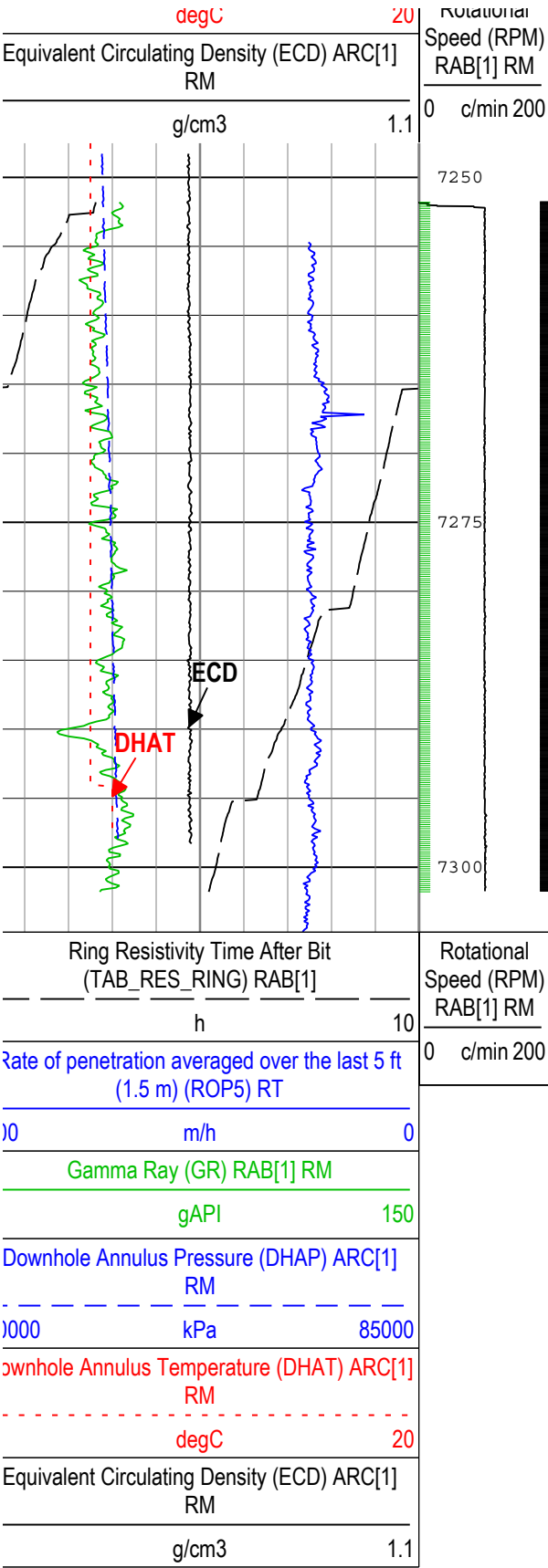
RES_RING - Ring Resistivity RAB[1] RM

GR - Gamma Ray RAB[1] RM

Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1]	
h	10
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT	
m/h	0
Gamma Ray (GR) RAB[1] RM	
gAPI	150
Downhole Annulus Pressure (DHAP) ARC[1] RM	



Bit Resistivity (RES_BIT) RAB[1] RM	
0.1 ohm.m	
Ring Resistivity (RES_RING) RAB[1] RM	
0.1 ohm.m	
Deep Button Resistivity (RES_BD) RAB[1] RM	



GR - Gamma Ray RAB[1] RM

RES_RING - Ring Resistivity RAB[1] RM

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD MD Digital) Index Scale: 1:500 Index Unit: m Index Type: Measured Depth Creation Date: 11-May-2012 18:07:11

Calibration Report

JABE (CoolVision Resistivity 675) Calibration Run Run1

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ionitor 2 at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9984	1.0250	

122V - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ionitor 2 at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9942	1.0250	

101V - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ionitor 0 at T1 Calibration Coefficient		Master	1.0000	0.9750	1.0058	1.0250	

102V - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Ionitor 0 at T2 Calibration Coefficient		Master	1.0000	0.9750	1.0016	1.0250	

11V - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
ing at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9954	1.0250	

12V - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
ing at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9918	1.0250	

3DM1 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Deep at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9937	1.0250	

3DM2 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Deep at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9895	1.0250	

3MM1 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Medium at T1 Calibration Coefficient		Master	1.0000	0.9750	0.9998	1.0250	

3MM2 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Medium at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9956	1.0250	

3SM1 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Shallow at T1 Calibration Coefficient		Master	1.0000	0.9750	1.0061	1.0250	

3SM2 - Resistivity

laster (Time Frame File): 02:32:29 27-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
utton Shallow at T2 Calibration Coefficient		Master	1.0000	0.9750	1.0021	1.0250	

2GR - Gamma Ray: Blanket

laster (Time Frame File): 18:47:12 26-Mar-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.0000	0.7500	0.8716	1.2500	

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Attenuation T1 at 2 MHz	dB	Master	8.500	6.500	8.697	10.500	
Attenuation T2 at 2 MHz	dB	Master	6.500	4.500	6.322	8.500	
Attenuation T3 at 2 MHz	dB	Master	4.500	2.500	5.294	6.500	
Attenuation T4 at 2 MHz	dB	Master	4.600	2.600	4.218	6.600	
Attenuation T5 at 2 MHz	dB	Master	3.600	1.600	3.843	5.600	
Phase Shift T1 at 2 MHz	deg	Master	0.100	-3.900	0.985	4.100	
Phase Shift T2 at 2 MHz	deg	Master	0.100	-3.900	-0.887	4.100	
Phase Shift T3 at 2 MHz	deg	Master	0.100	-3.900	0.867	4.100	
Phase Shift T4 at 2 MHz	deg	Master	0.100	-3.900	-0.932	4.100	
Phase Shift T5 at 2 MHz	deg	Master	0.100	-3.900	0.858	4.100	
Attenuation T1 at 400 KHz	dB	Master	8.500	6.500	8.708	10.500	
Attenuation T2 at 400 KHz	dB	Master	6.500	4.500	6.315	8.500	
Attenuation T3 at 400 KHz	dB	Master	4.500	2.500	5.302	6.500	
Attenuation T4 at 400 KHz	dB	Master	4.600	2.600	4.205	6.600	
Attenuation T5 at 400 KHz	dB	Master	3.600	1.600	3.860	5.600	
Phase Shift T1 at 400 KHz	deg	Master	0.100	-3.900	0.047	4.100	
Phase Shift T2 at 400 KHz	deg	Master	0.100	-3.900	-0.090	4.100	
Phase Shift T3 at 400 KHz	deg	Master	0.100	-3.900	0.077	4.100	
Phase Shift T4 at 400 KHz	deg	Master	0.100	-3.900	-0.105	4.100	
Phase Shift T5 at 400 KHz	deg	Master	0.100	-3.900	0.053	4.100	

Gamma Ray - Gamma Ray: Blanket

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Gamma Ray Calibration Gain		Master	1.000	0.580	0.933	1.250	

Company: JAMSTEC

Well: C0019B

Field: Japan Trench - Miyagi Offshore

Rig Name: Chikyu

State: Miyagi

Country: Japan



geoVISION Resistivity Image - APWD

Gamma Ray - Resistivity - Image - APWD

8.5in Recorded Mode Log. Measured Depth 1:500