

geoVISION Resistivity Image - APWD

Gamma Ray - Resistivity - Image - APWD

3.5in Recorded Mode Log. True Vertical Depth: 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

Location: Japan Trench

Job Number: 12JAP0004

Rig Name: Chikyu

Rig Type: Drill Vessel

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

Log Interval: 6910.00(m) — 7766.36(m)

Index Types: True Vertical Depth

Index Scales: 1:500

Depth Source: Driller's Depth

Depth Sensor: DES

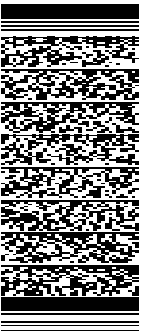
Print Type: Final

Acquire Date: 21-Apr-2012

Other Services:

Direction and Inclination

Drilling Mechanics



Disclaimer

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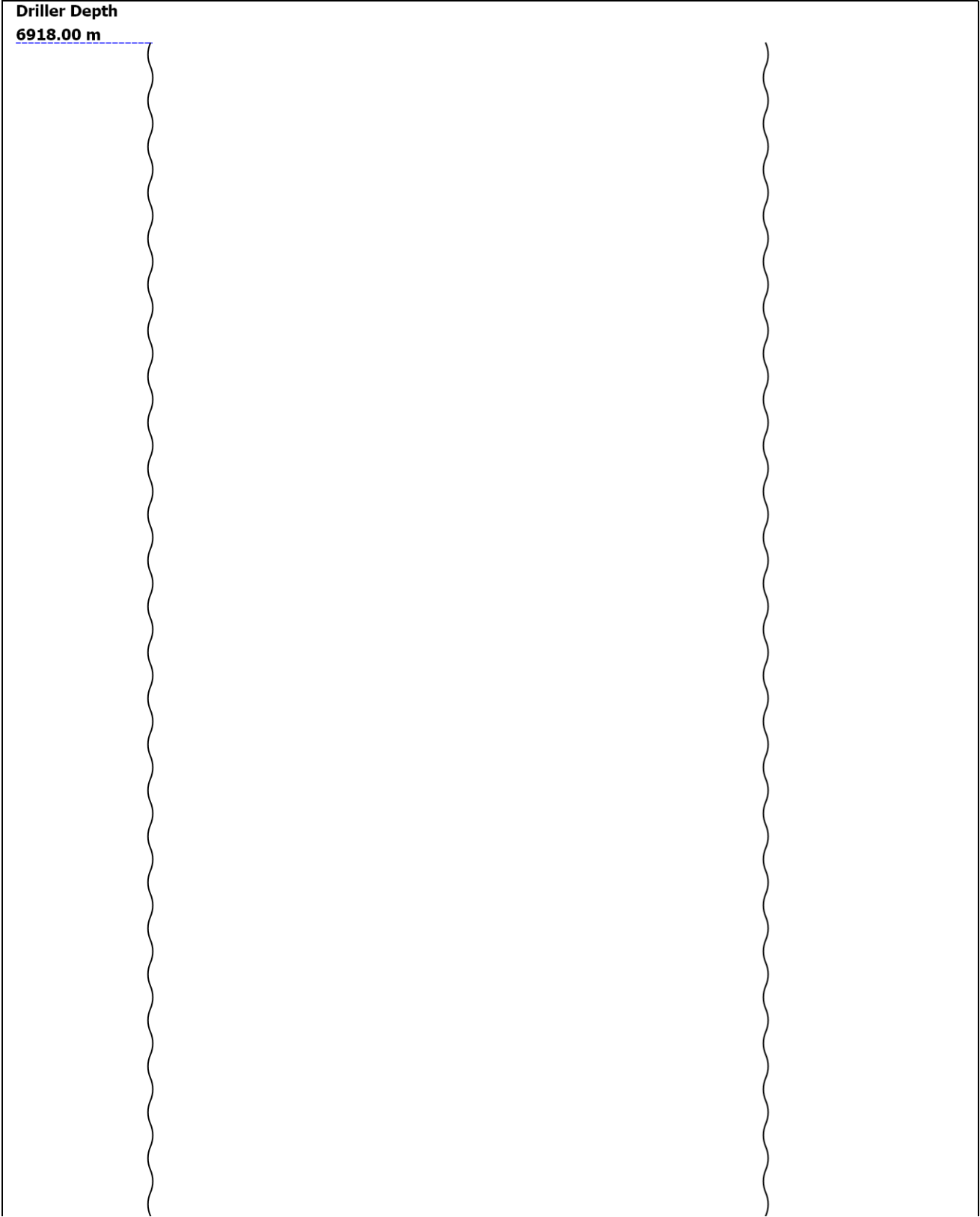
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Well Sketch

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					

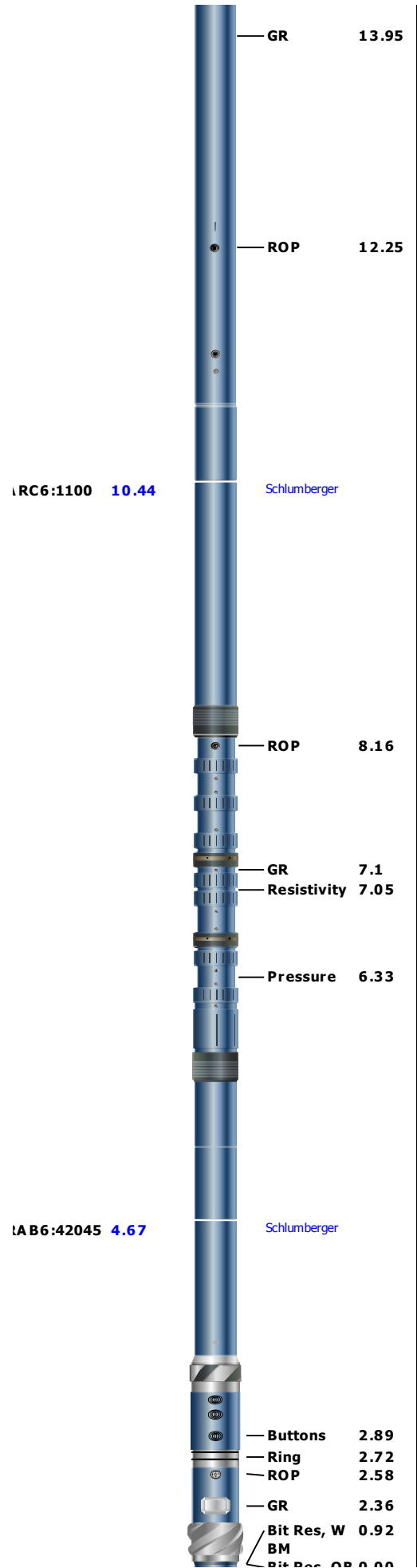
Borehole Fluids

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

'H						
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

Survey Calculation

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
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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

DI Inits Computed and Values Used - Run1

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

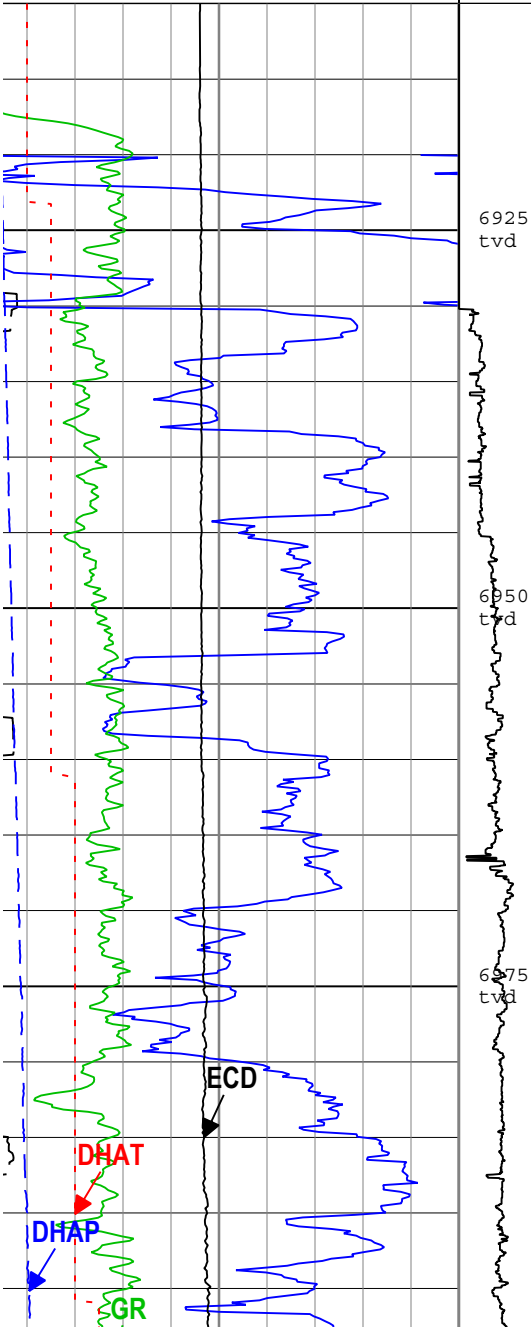
All depths are referenced to toolstring zero

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

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Creation Date: 11-May-2012 18:32:35

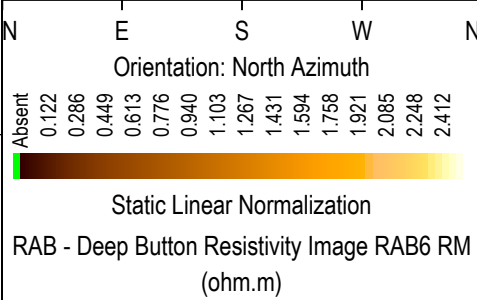
Channel	Source	Sampling
RAW	ARC6:ARC6	6in - RM
RAW	ARC6:ARC6	6in - RM
APWD	ARC6:ARC6:APWD	6in - RM
RAB6	RAB6:RAB6:RBEC	6in - RM
ES_BD	RAB6:RAB6:RBEC	1.2in - RM
ES_BIT	RAB6:RAB6:RBEC	1.2in - RM
ES_BM	RAB6:RAB6:RBEC	1.2in - RM
ES_BS	RAB6:RAB6:RBEC	1.2in - RM
ES_RING	RAB6:RAB6:RBEC	1.2in - RM

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		
0	m/h	0
Gamma Ray (GR) RAB6 RM		
	gAPI	150
Downhole Annulus Pressure (DHAP) ARC6 RM		
0000	kPa	85000
Downhole Annulus Temperature (DHAT) ARC6 RM		
	degC	20
Equivalent Circulating Density (ECD) ARC6 RM		
	g/cm3	1.1

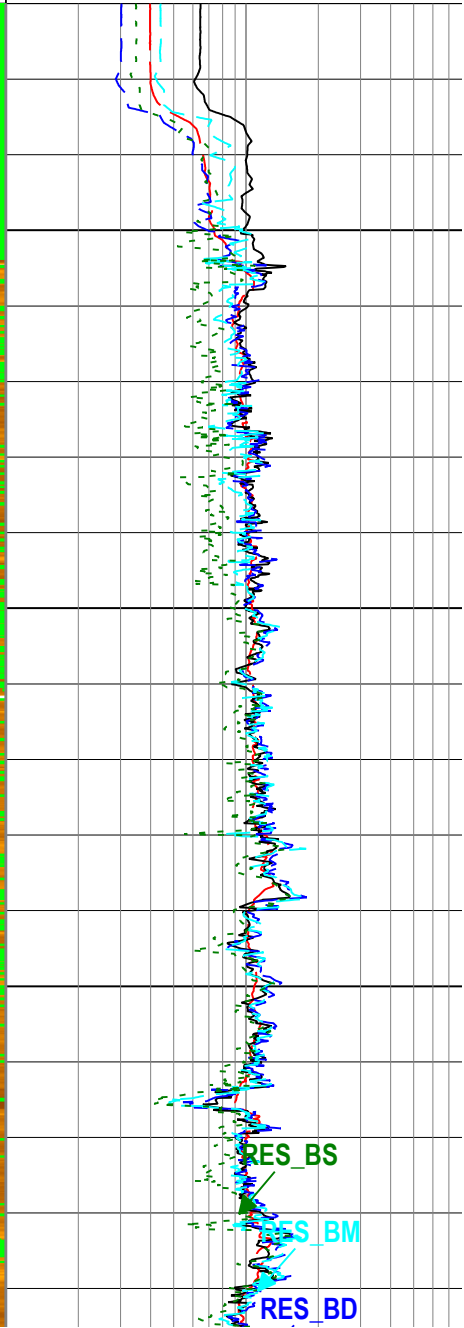


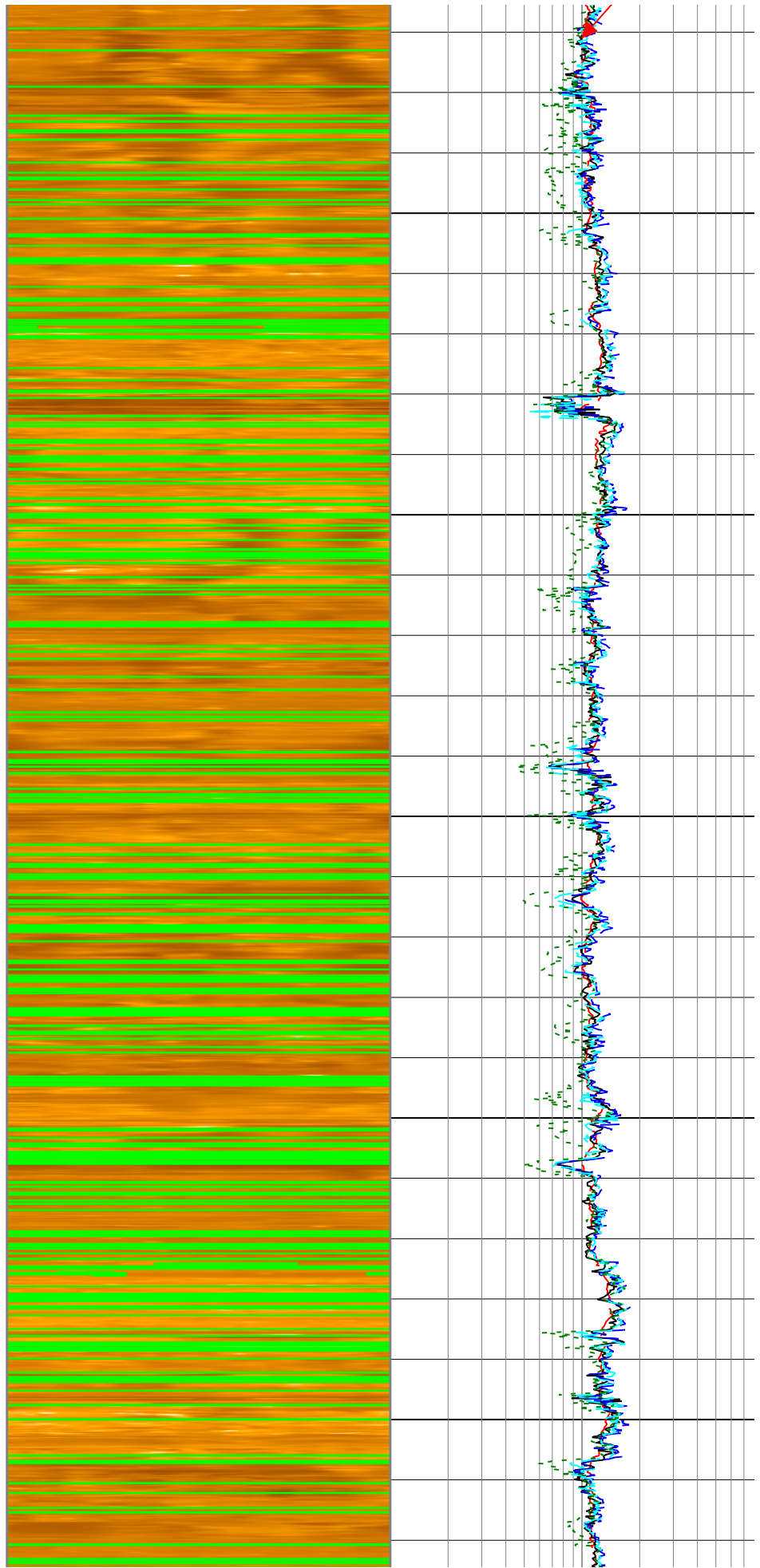
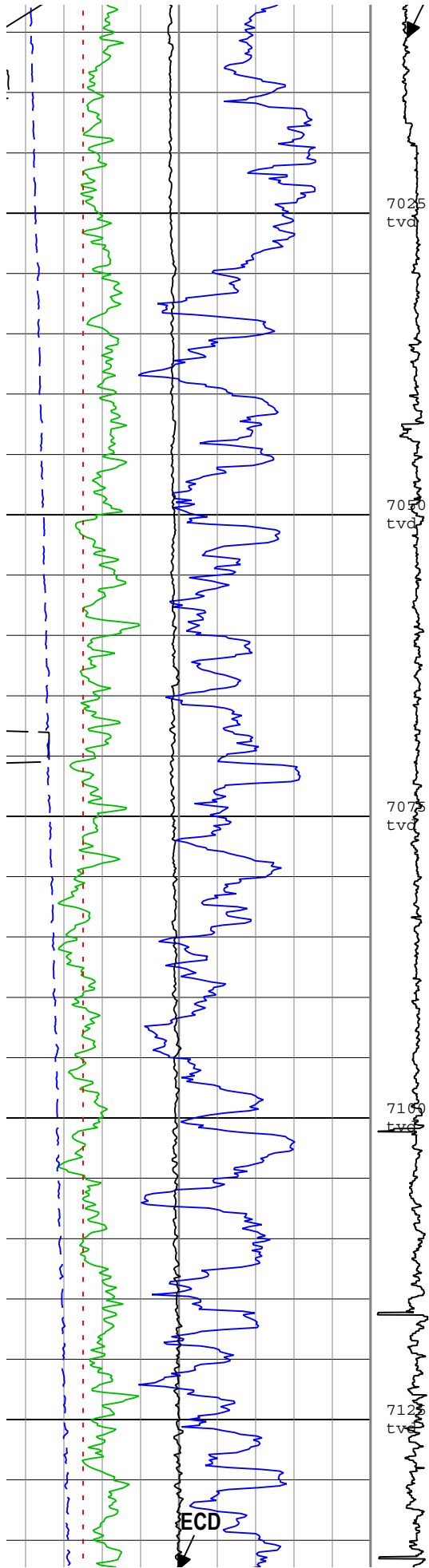
Rotational
Speed (RPM)
RAB6 RM

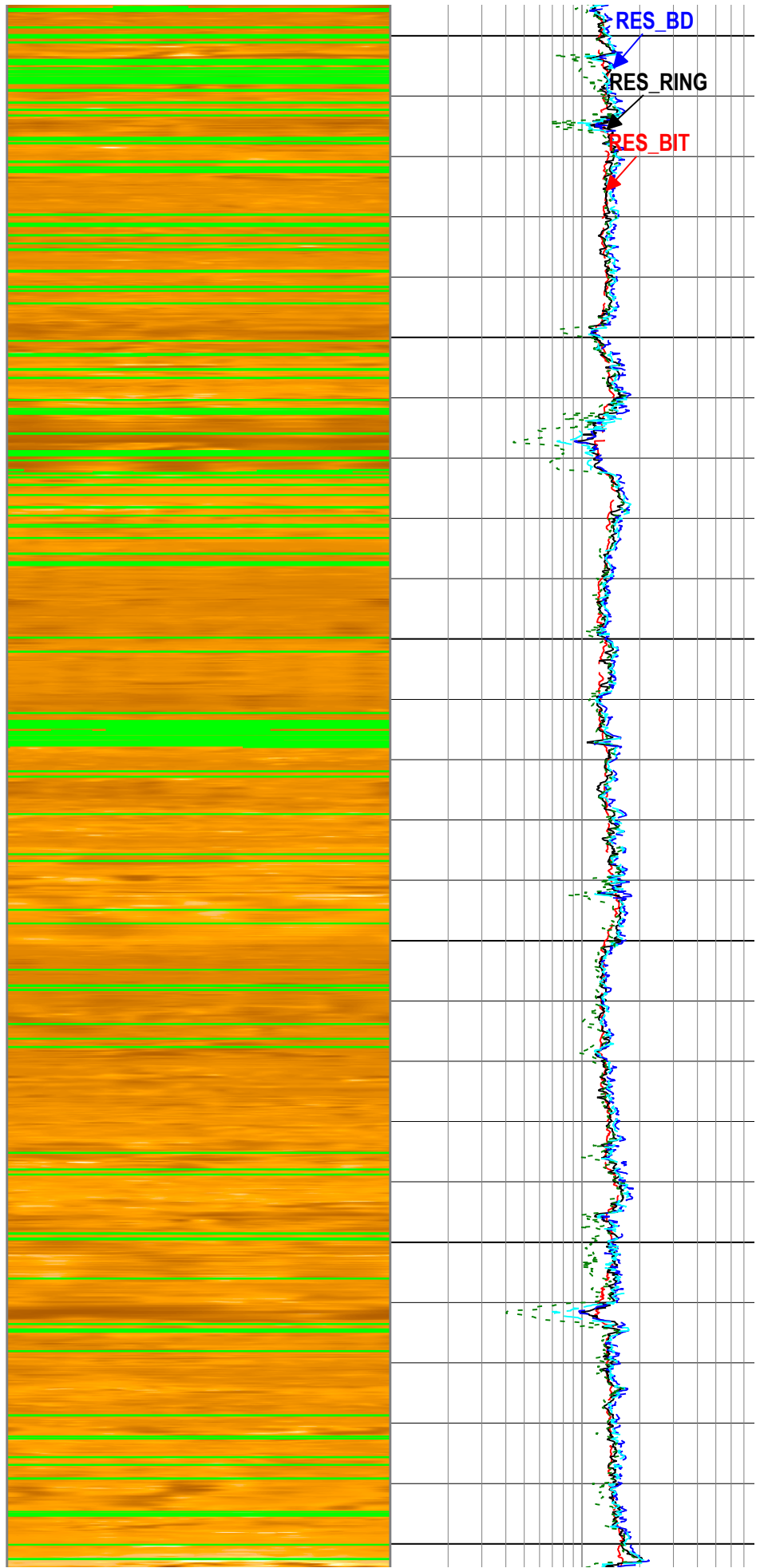
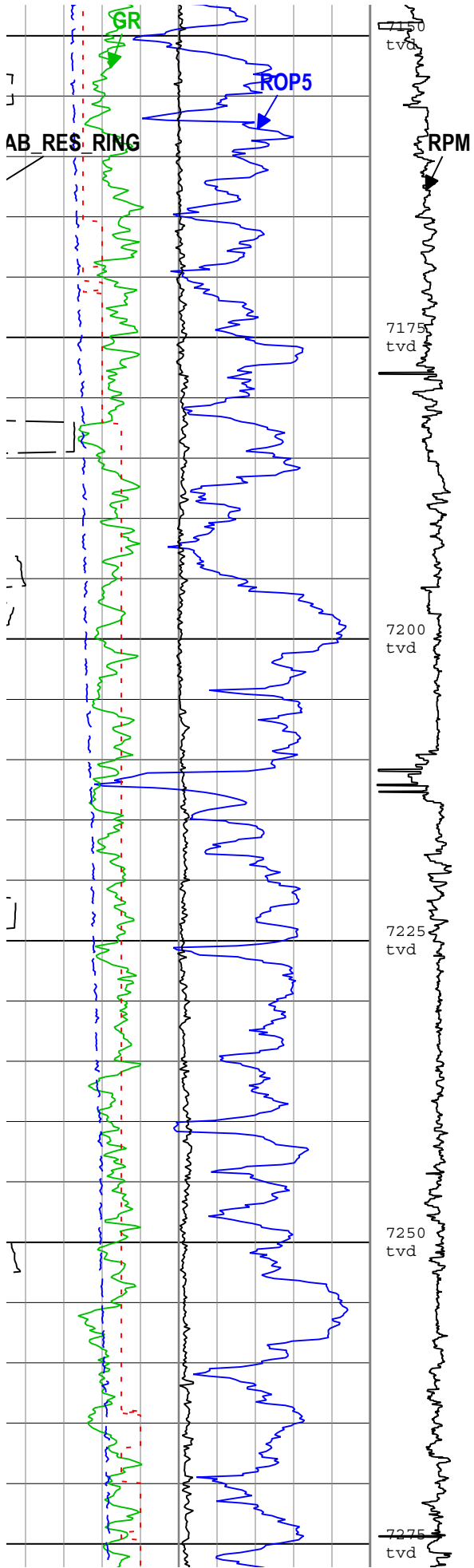
0 c/min 200

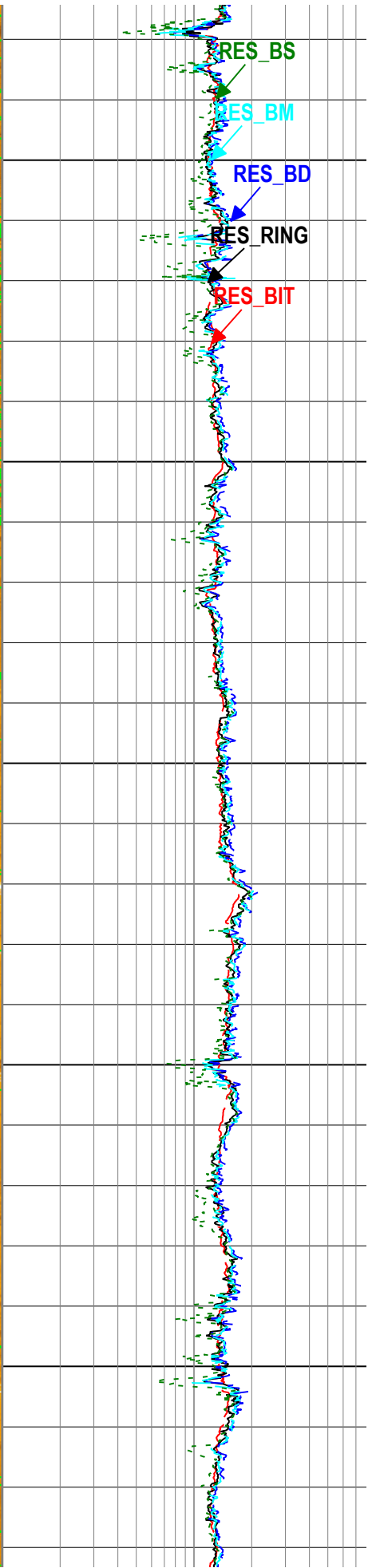
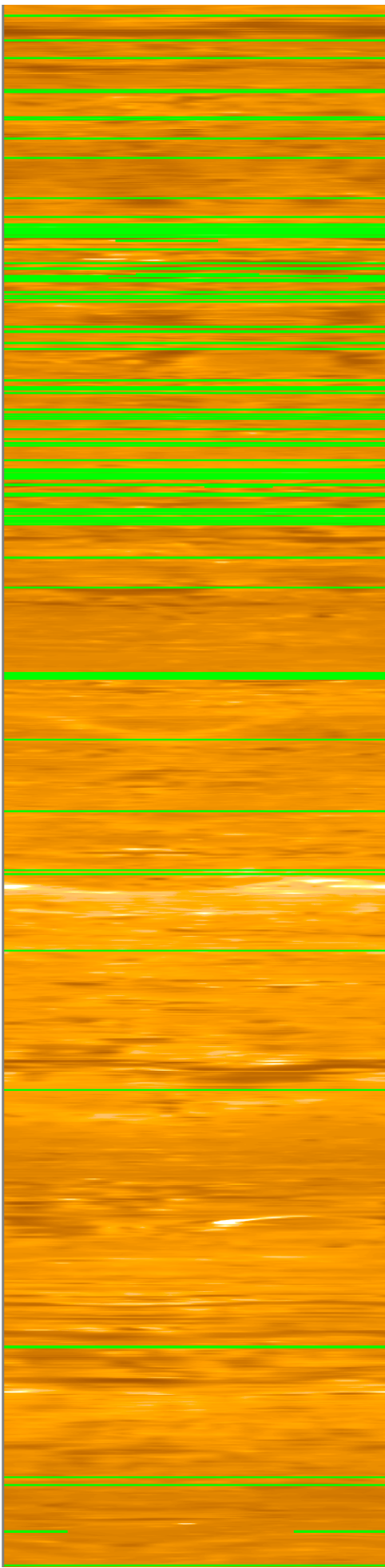
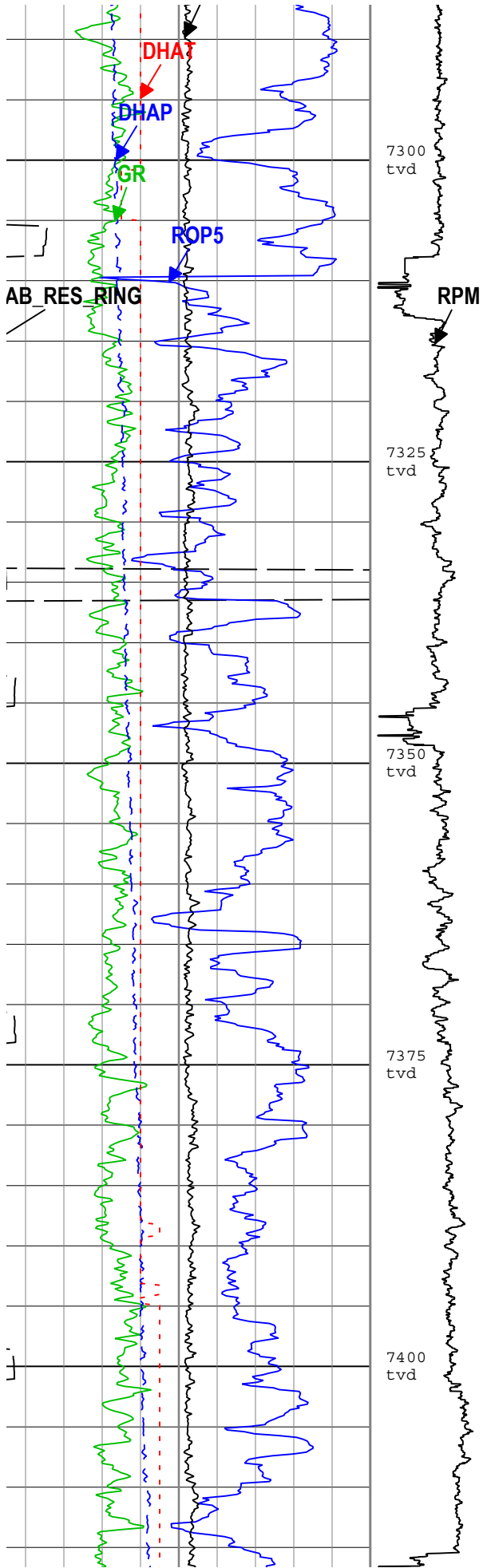


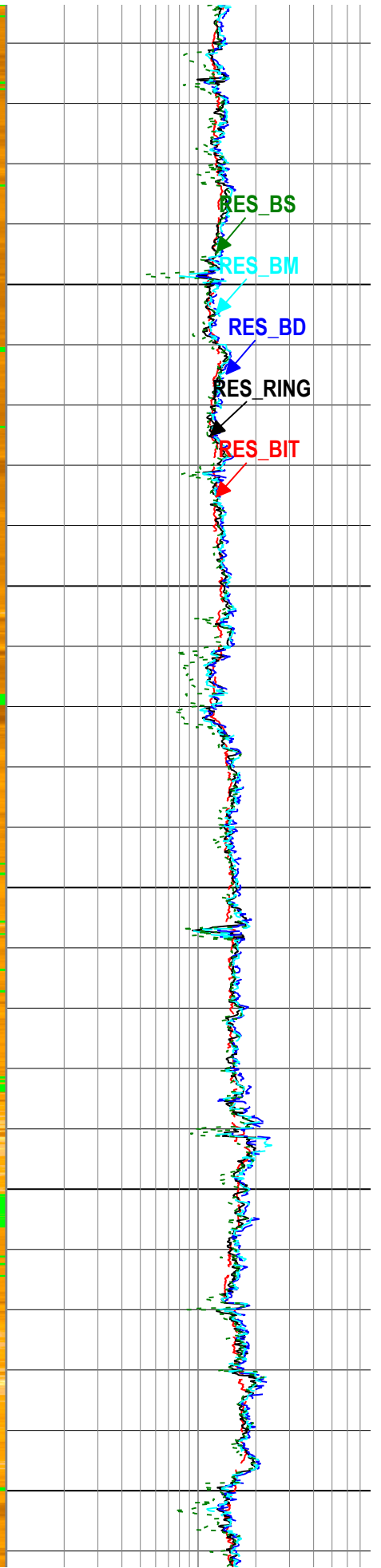
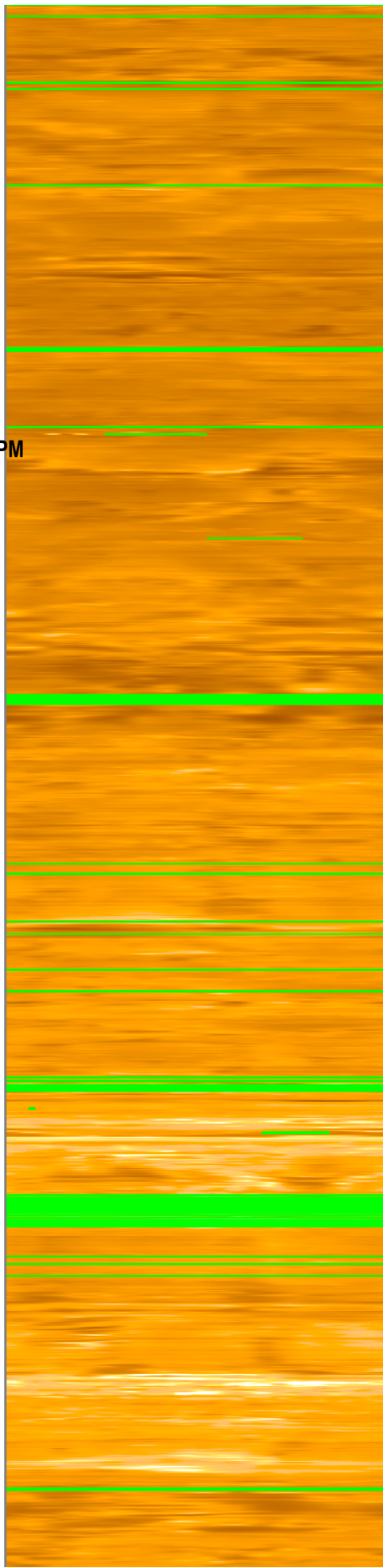
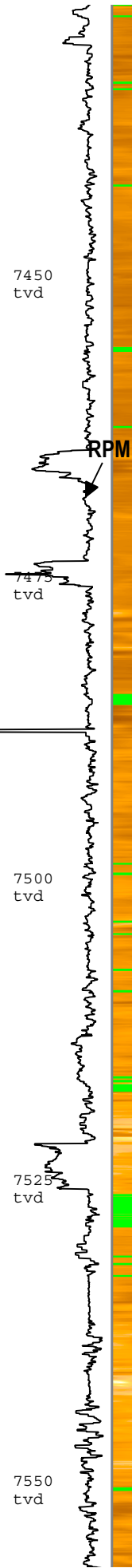
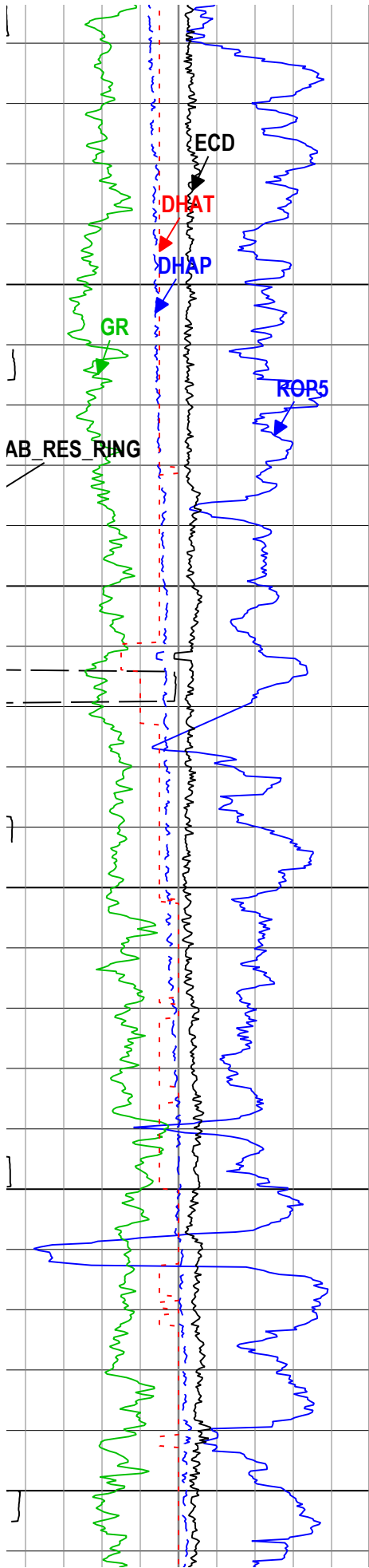
Bit Resistivity (RES_BIT) RAB6 RM		
0.1	ohm.m	
Ring Resistivity (RES_RING) RAB6 RM		
0.1	ohm.m	
Deep Button Resistivity (RES_BD) RAB6 RM		
0.1	ohm.m	
Medium Button Resistivity (RES_BM) RAB6 RM		
0.1	ohm.m	
Shallow Button Resistivity (RES_BS) RAB6 RM		
0.1	ohm.m	

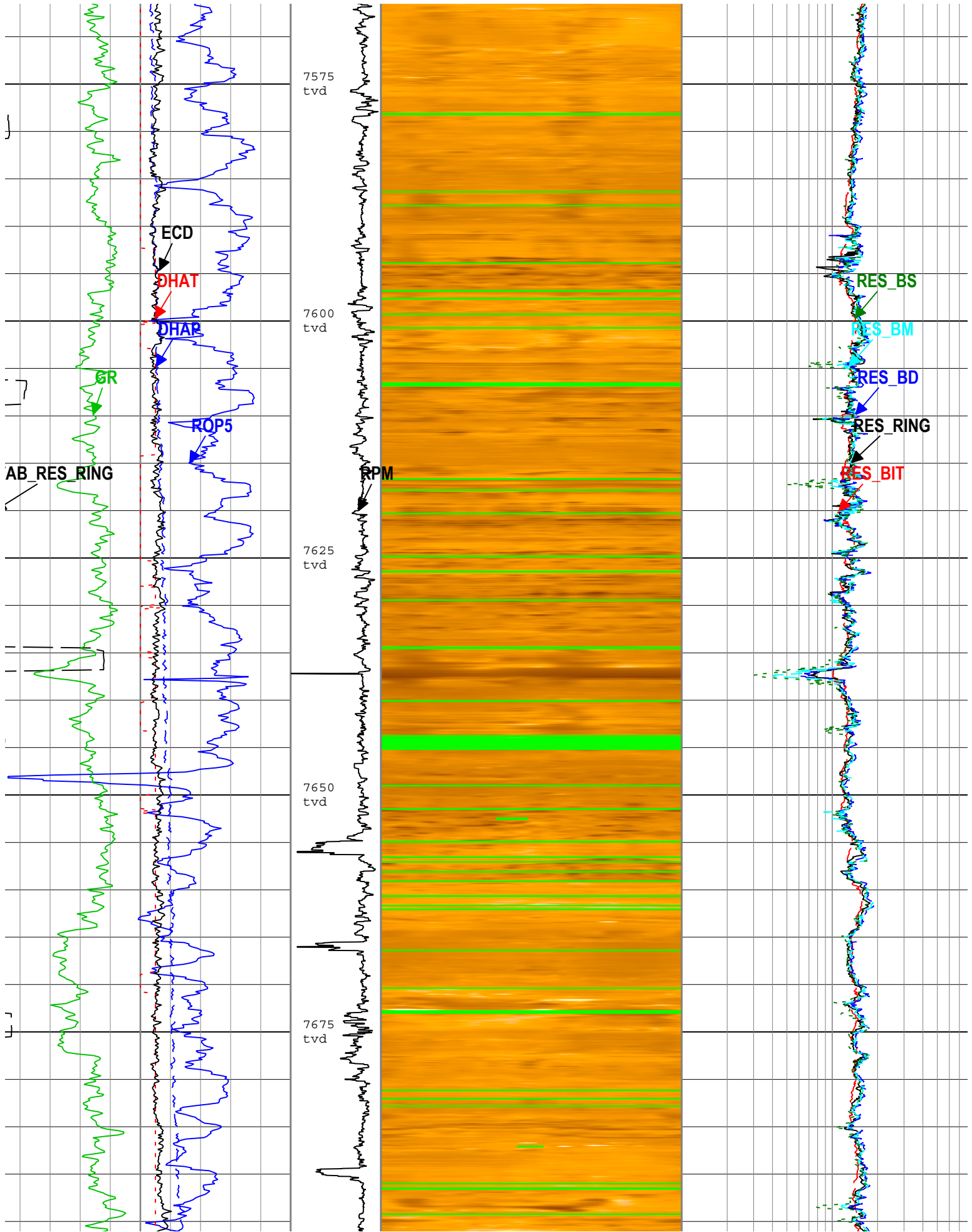


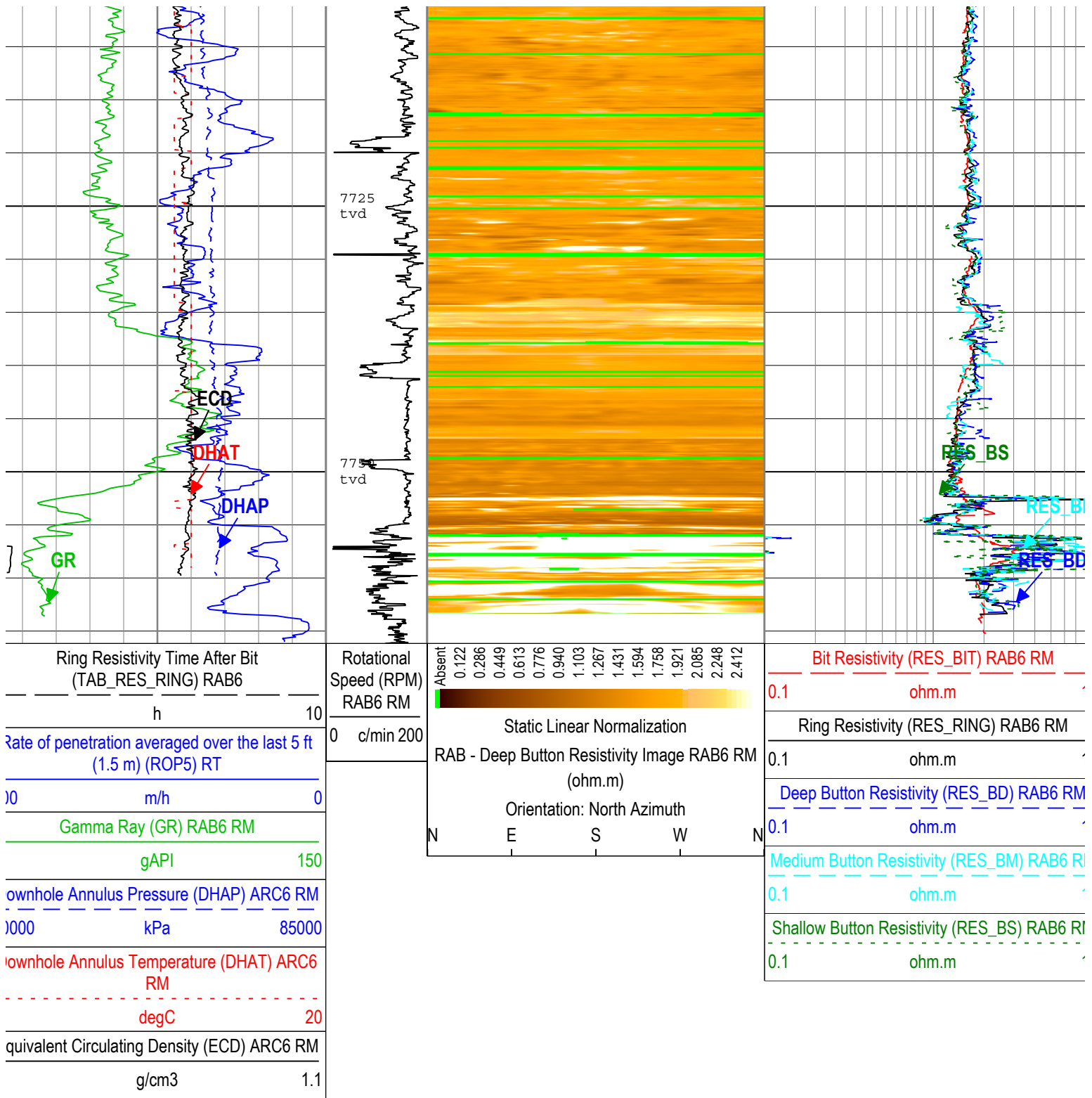












Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
 Creation Date: 11-May-2012 18:32:35

Channel Processing Parameters

Parameter	Description	ToolPath	Value	Unit
HK	Drilling Fluid Potassium Concentration	Borehole	0	%
HT	Bottom Hole Temperature	Borehole	12	degC
S	Bit Size	COMPLETION	Depth Zoned	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
FD	Drilling Fluid Density	Borehole	1.04	g/cm3
FT	Drilling Fluid Type	Borehole	Water	

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	6917.99
S	8.5	6917.99	7766.18

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 TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Creation Date: 11-May-2012 18:33:01

Channel	Source	Sampling
HAP	ARC[1]:ARC[1]	6in - RM
HAT	ARC[1]:ARC[1]	6in - RM
DPD	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]	1.0in - RM

ROP5DRILLING_SURFACE6in - RT

ROP5M1.2in - RM

ROP5TAB_RES_RINGRAB[1]:RAB[1]:RBEC[1]6in

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

h10

Rate of penetration averaged over the last 5 ft
(1.5 m) (ROP5) RT

ROP50m/h0

Gamma Ray (GR) RAB[1] RM

gAPI150

Downhole Annulus Pressure (DHAP) ARC[1]
RM

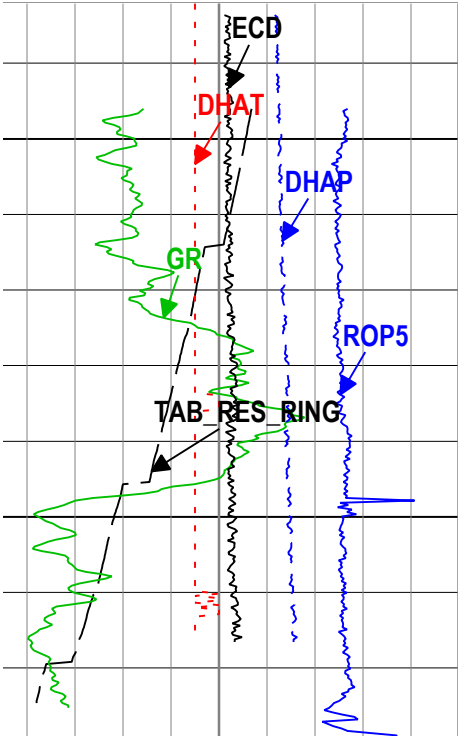
ROP5000kPa85000

Downhole Annulus Temperature (DHAT) ARC[1]
RM

degC20

Equivalent Circulating Density (ECD) ARC[1]
RM

g/cm31.1



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

h10

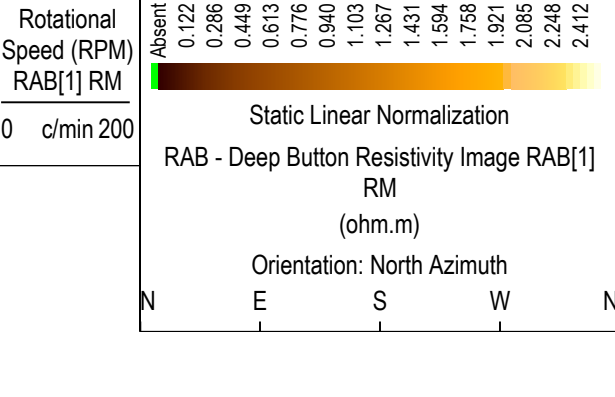
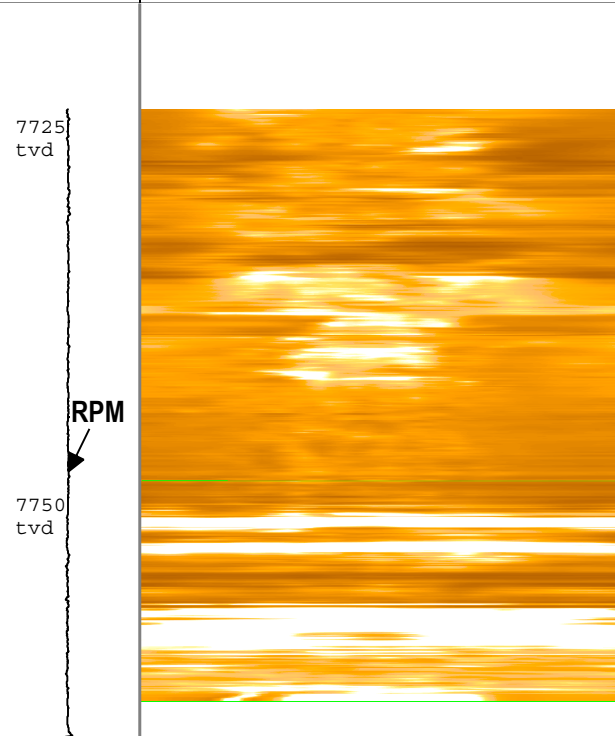
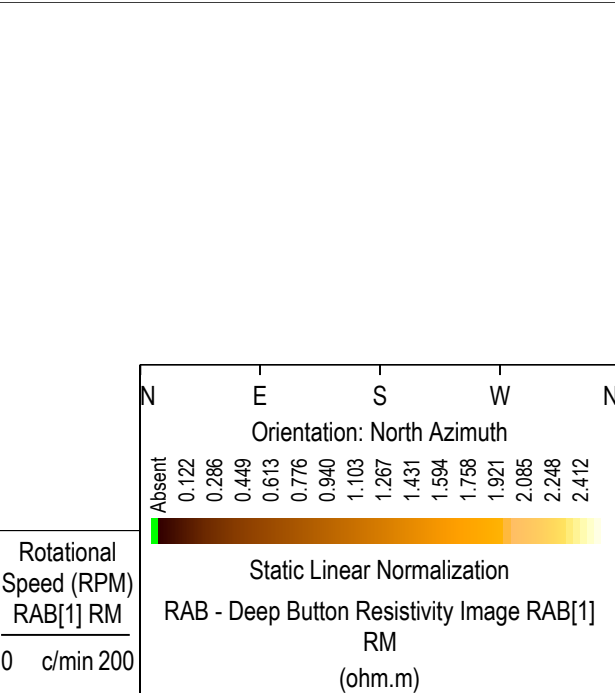
Rate of penetration averaged over the last 5 ft
(1.5 m) (ROP5) RT

ROP50m/h0

Gamma Ray (GR) RAB[1] RM

gAPI150

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

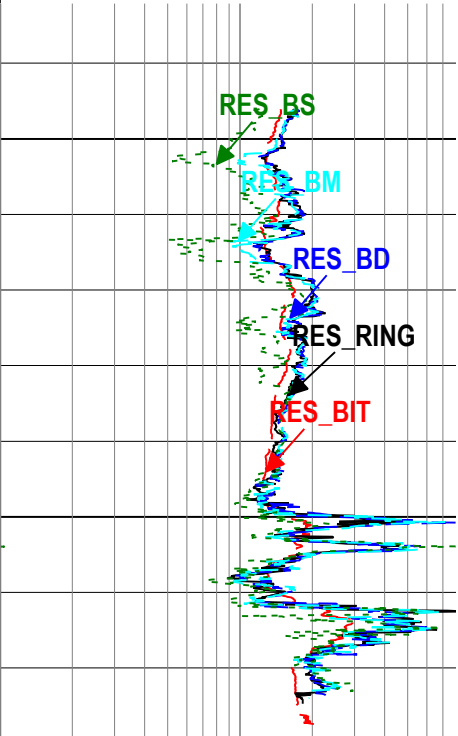
0.1 ohm.m

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

Equivalent Circulating Density (ECD) ARC[1] RM	
g/cm3	1.1

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Acquisition Date: 11-May-2012 18:33:01

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

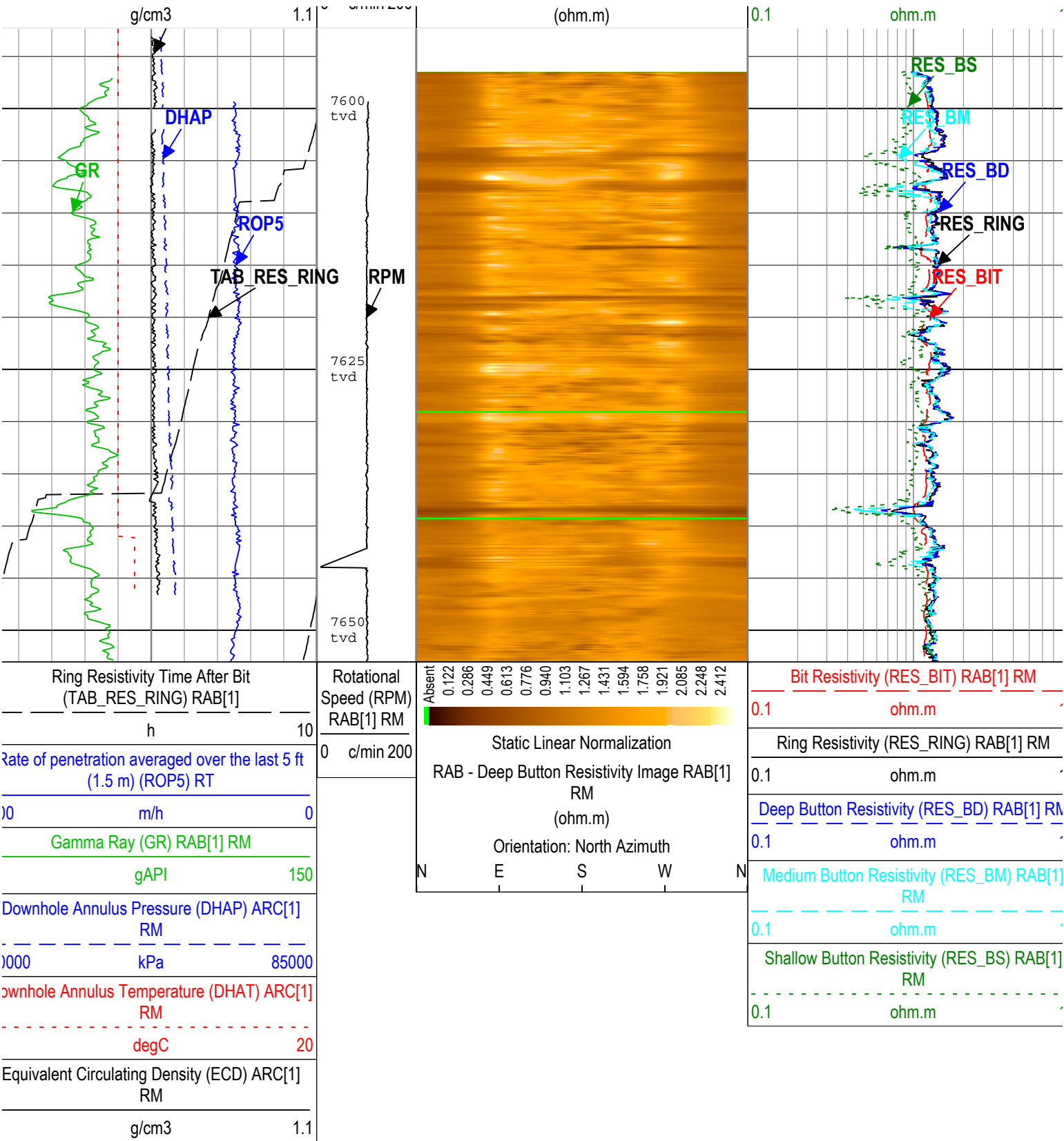
Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Acquisition Date: 11-May-2012 18:33:07

Channel	Source	Sampling
THAP	ARC[1]:ARC[1]	6in - RM
THAT	ARC[1]:ARC[1]	6in - RM
THD	ARC[1]:ARC[1]:APWD[1]	6in - RM
THR	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
ROP5	DRILLING_SURFACE	6in - RT
RTM	RAB[1]:RAB[1]	1.2in - RM
TAB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in

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	
kPa	85000
Downhole Annulus Temperature (DHAT) ARC[1] DM	

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] DM	

N	E	S	W	N
Orientation: North Azimuth				
Absent	0.122	0.286	0.449	0.613
	0.776	0.940	1.103	1.267
	1.431	1.594	1.758	1.921
	2.085	2.248	2.412	



Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Creation Date: 11-May-2012 18:33:07

ReamUp Composite 3

Integration Summary

Output Channel(s)	Output Description	Input Parameter	Output Value	Unit
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Run 1	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
Run 1	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
Run 1	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

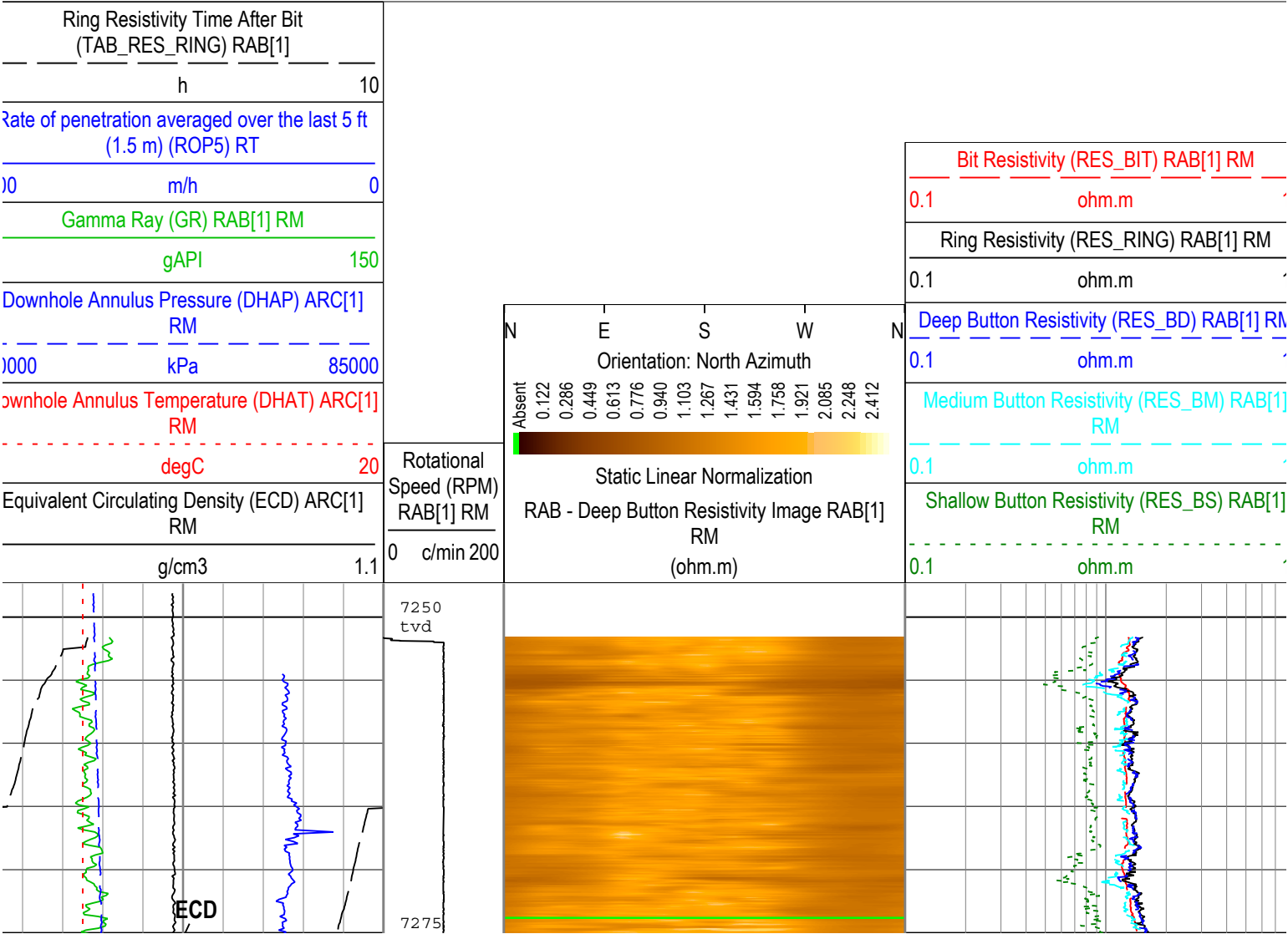
All depths are referenced to toolstring zero

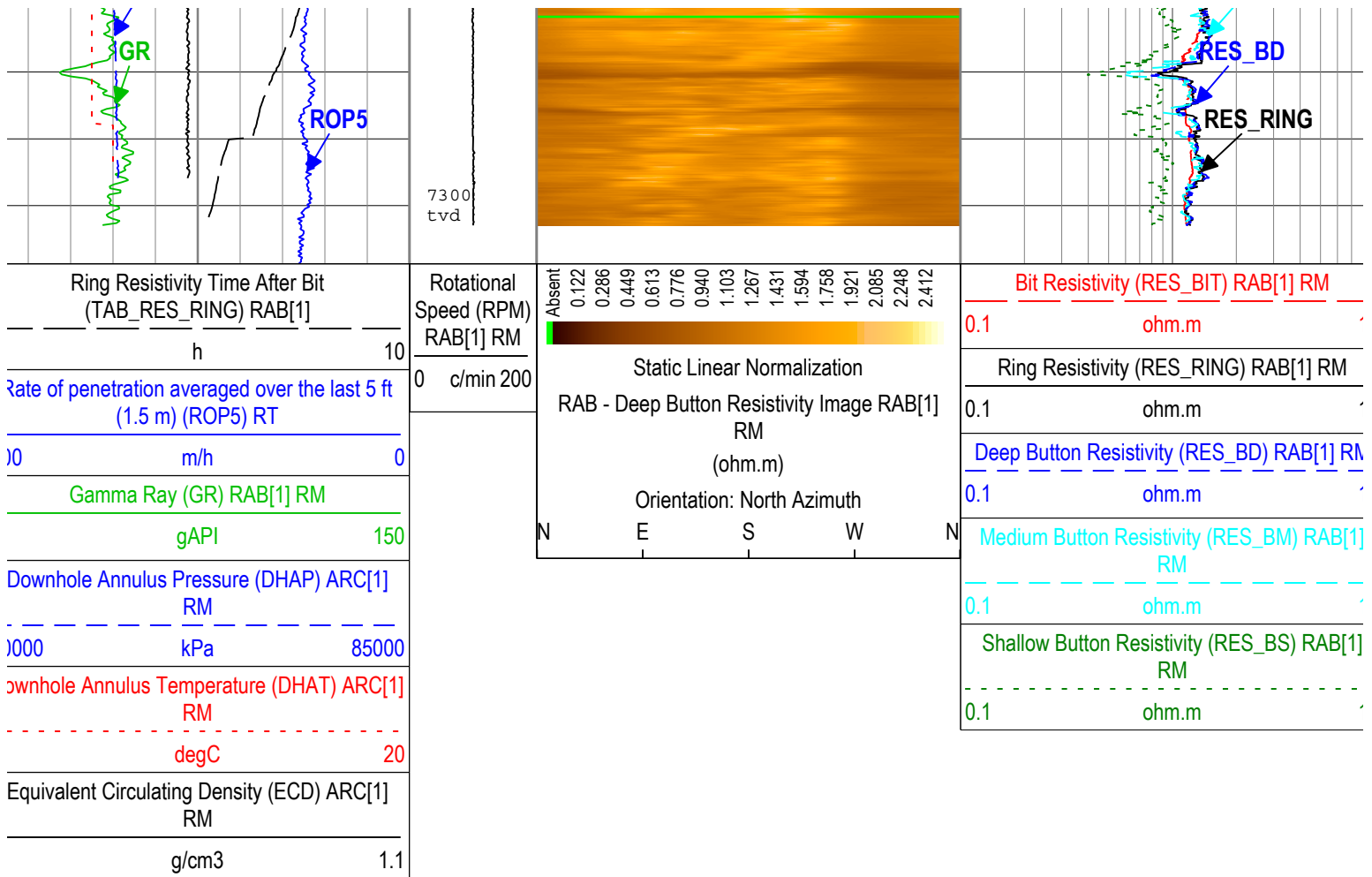
Log

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

Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Acquisition Date: 11-May-2012 18:33:12

Channel	Source	Sampling
THAP	ARC[1]:ARC[1]	6in - RM
THAT	ARC[1]:ARC[1]	6in - RM
APWD	ARC[1]:ARC[1]:APWD[1]	6in - RM
RAB	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
ROP5	DRILLING_SURFACE	6in - RT
RM	RAB[1]:RAB[1]	1.2in - RM
TAB_RES_RING	RAB[1]:RAB[1]:RBEC[1]	6in





Description: GVR Resistivity, Deep Button Image Format: Log (JFAST RM GVR+APWD TVD Digital) Index Scale: 1:500 Index Unit: m Index Type: TVD
Creation Date: 11-May-2012 18:33:12

Calibration Report

RAB6 (GeoVision Resistivity 675) Calibration - Run Run1

Primary Equipment :

Electronics Chassis

RBEC

228

M21V - Resistivity

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

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

M22V - Resistivity

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

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

M01V - Resistivity

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

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

M02V - Resistivity

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

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

R1V - Resistivity

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

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
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ing at T2 Calibration Coefficient		Master	1.0000	0.9750	0.9918	1.0250	
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3DM1 - Resistivity

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

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

3DM2 - Resistivity

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

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

3MM1 - Resistivity

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

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

3MM2 - Resistivity

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

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

3SM1 - Resistivity

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

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

3SM2 - Resistivity

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

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

2GR - Gamma Ray: Blanket

Master (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	

ARC6 (Array Resistivity Compensated 675) Calibration - Run Run1

Primary Equipment :

Elec. Chassis HP with AIM Receiver

AREA

2914

RESAIRCAL - Resistivity: Air

Master (Time Frame File): 22:15:21 25-Feb-2012

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	

Gamma Ray Calibration Gain	Master	1.000	0.580	0.933	1.250	
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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. True Vertical Depth 1:500