

# Schlumberger

Company: Integrated Ocean Drilling Program

Well: IODP Exp 308 Hole U1324A  
Field: Mississippi Canyon Block 897  
Rig: Joides Resolution State: Louisiana

## GeoVISION Resistivity 1 : 200 Measured Depth Recorded Mode Log

Location		Elevation	
Total depth:	1678 m	K.B. Top Drive	
Spud date:	17-Jun-2005	G.L. -1055.5 m	
Runs:	3 To 3	D.F. 10.6 m	
Permanent datum:	Mean Sea Level	Elev.: 0 m	
Log measured from:	Drill Floor	10.6 m above Perm. datum	
Depth reference:	Driller's Depth		
Service Order no.	NAD 27	Longitude	Latitude
40012055	UTM Zone 15N	W89.13931	N28.07974

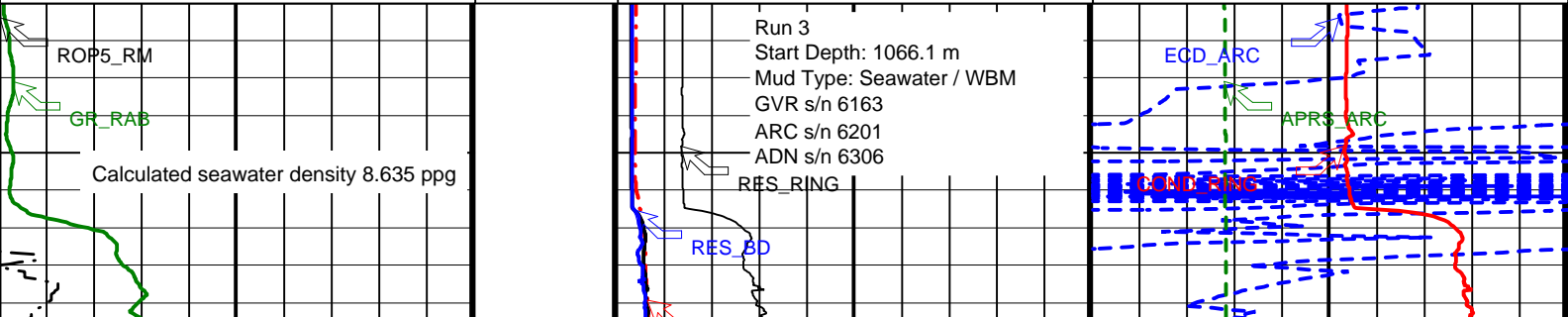
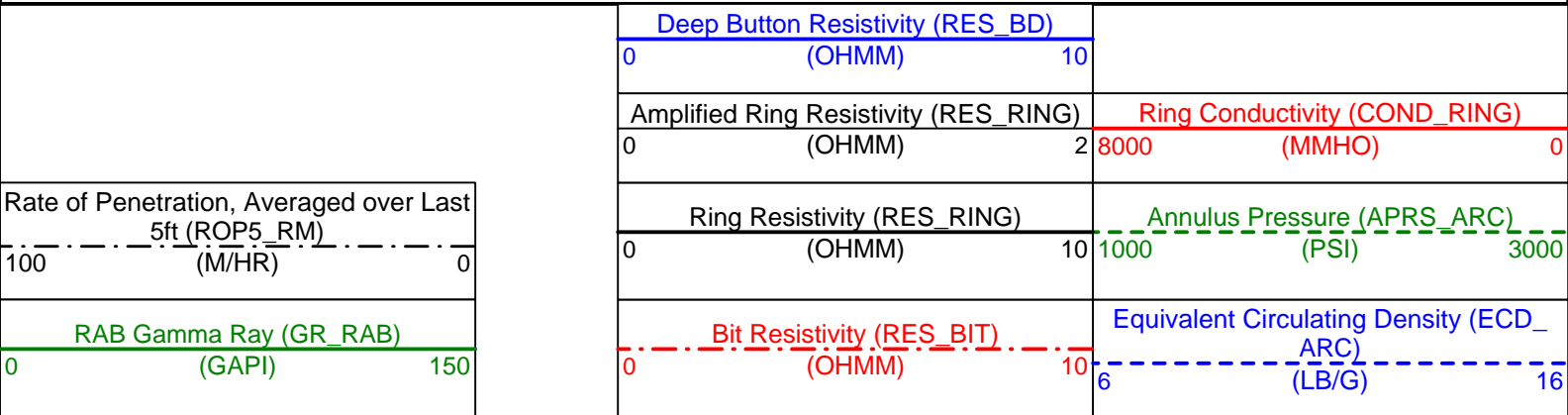
Rig: Joides Resolution  
Field: Mississippi Canyon Block 897  
Location: Ursa Basin  
Well: IODP Exp 308 Hole U1324A  
Company: Integrated Ocean Drilling Program

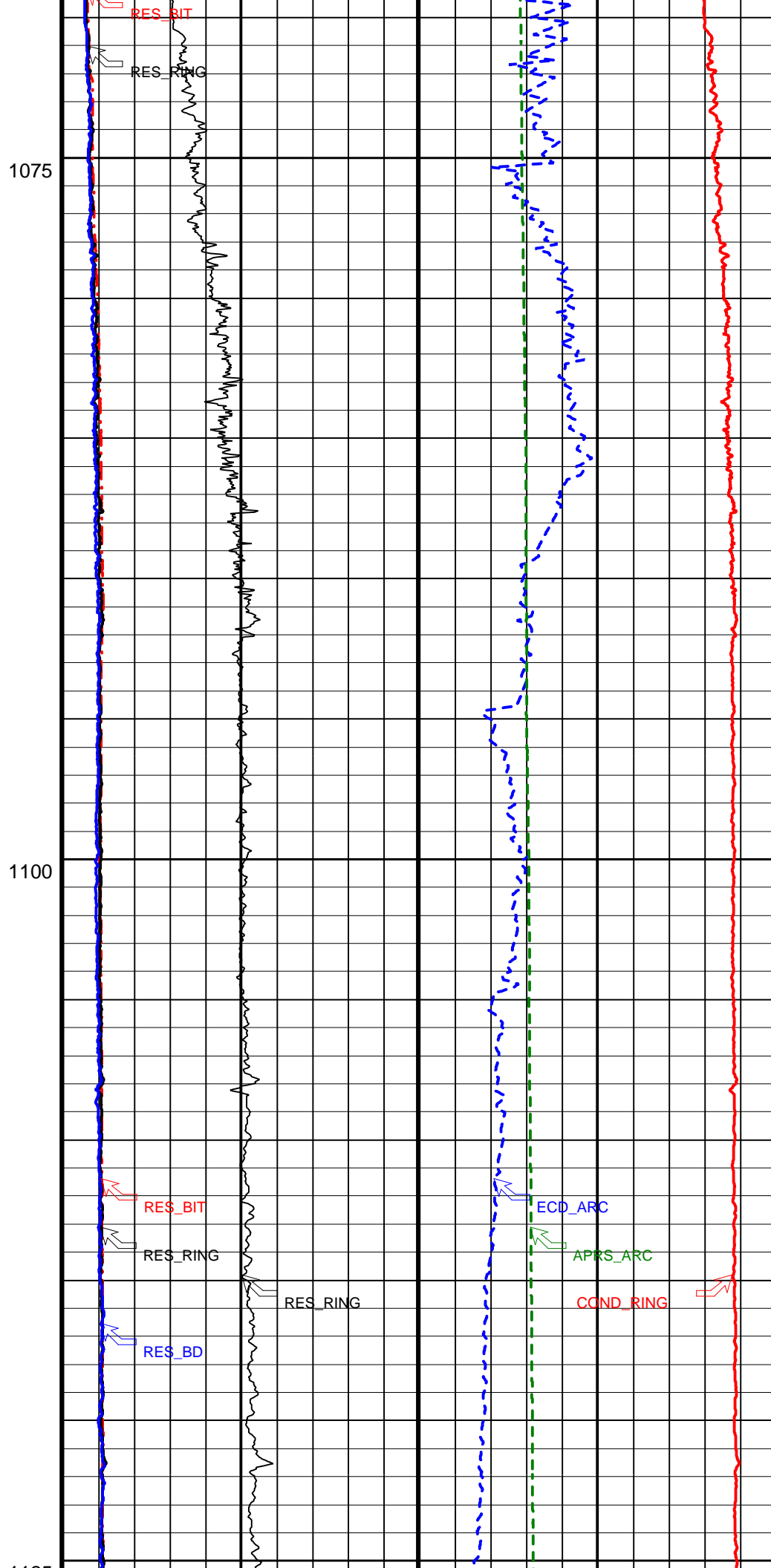
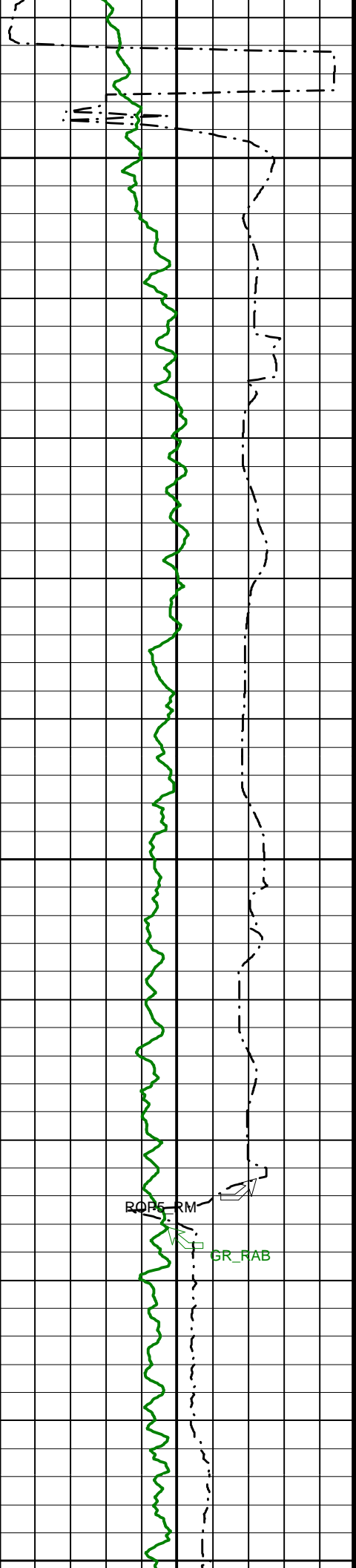
Depth logged:	1066.1 m	To	1677 m	Mag decl:	0.21 deg.	Other services:	
Date logged:	17-Jun-05	To	19-Jun-05	Mag dip:	58.28 deg.		
Bore hole record							
Hole size	from 1066.1 m	to 1678 m	Size	Density	from	to	
9.875 in.							
Casing record							
Mud record							
Type	from	to	Min	Max	from	to	
Seawater	1066.1 m	1544 m	0.18 deg.	5.47 deg.	1066.1 m	1678 m	
WBM	1544 m	1678 m					

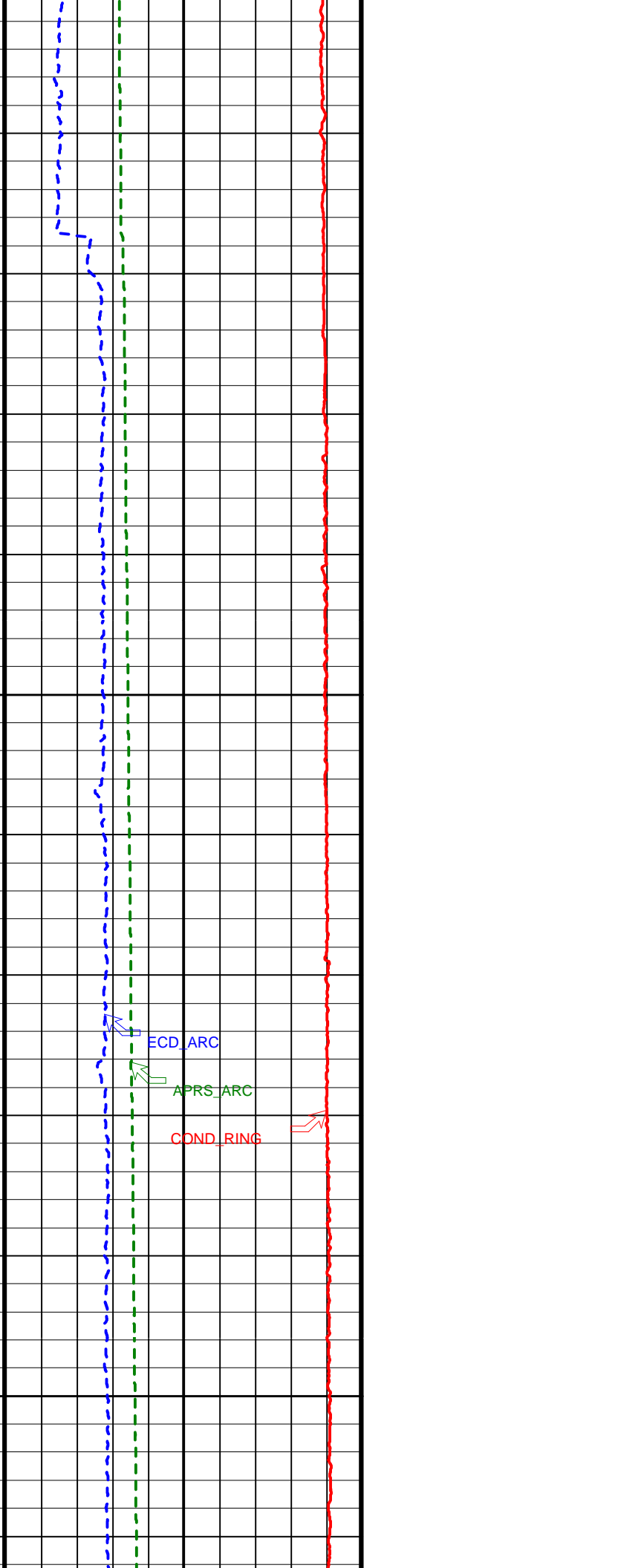
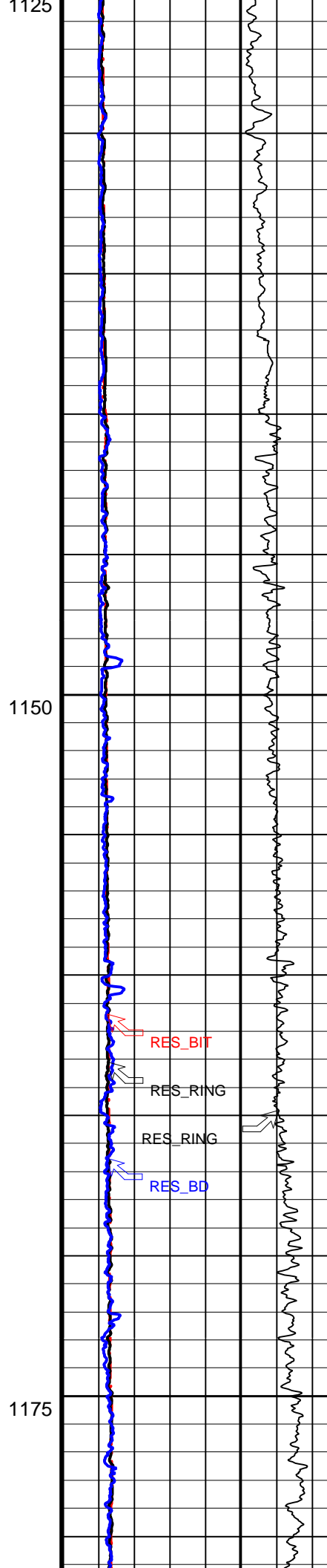
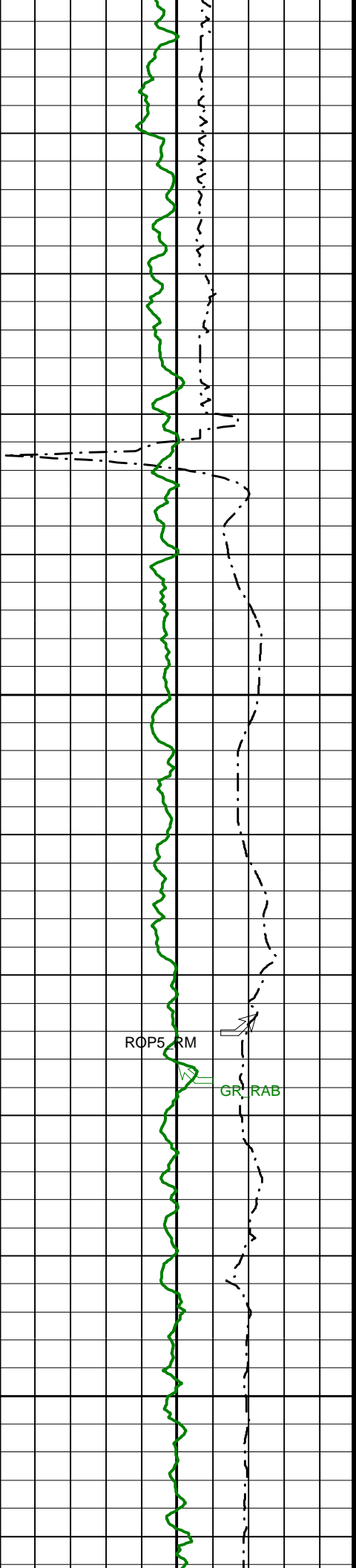
Surface equipment		Software record	
Unit	TWIS	IDEAL Wis	10_OC_04.1
Depth system	Geolograph	SPM	10_1C_05
		LWD	See Remarks
		MWD	8.0c00

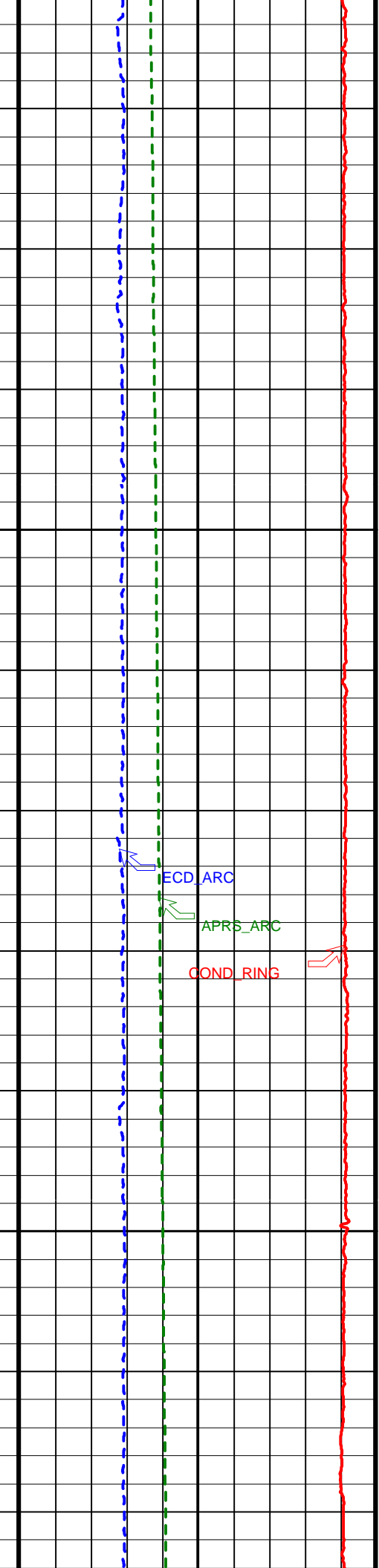
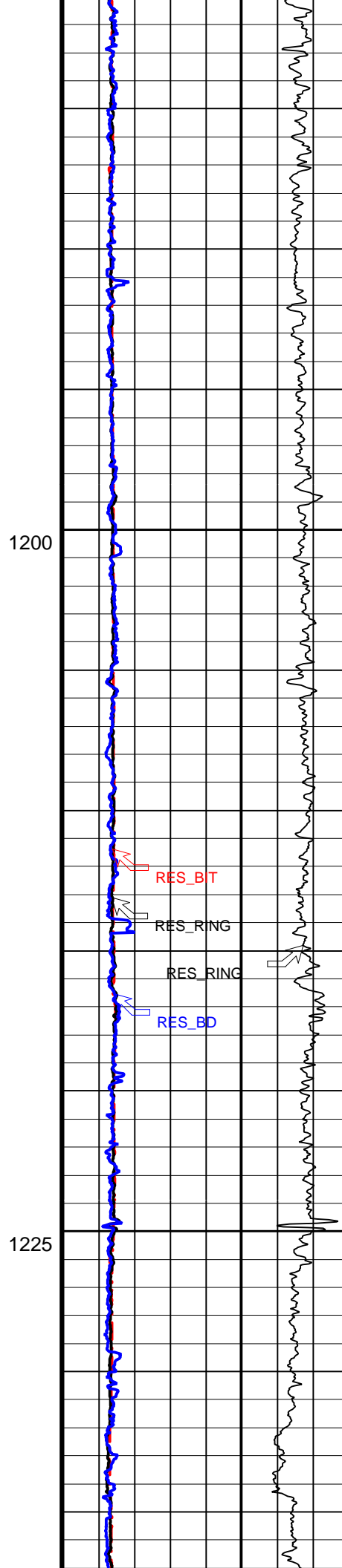
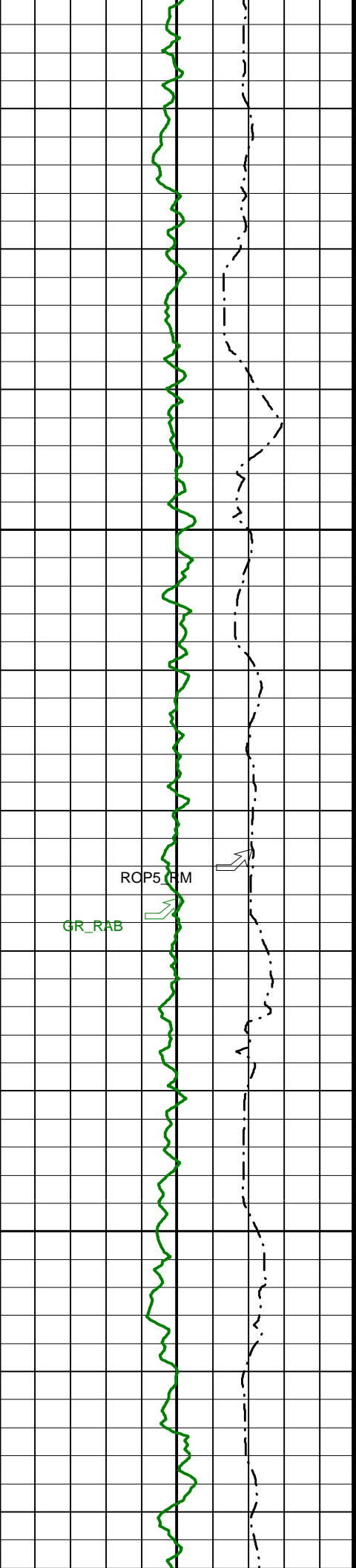
### IDEAL Version: ID10\_0C\_04 IDF

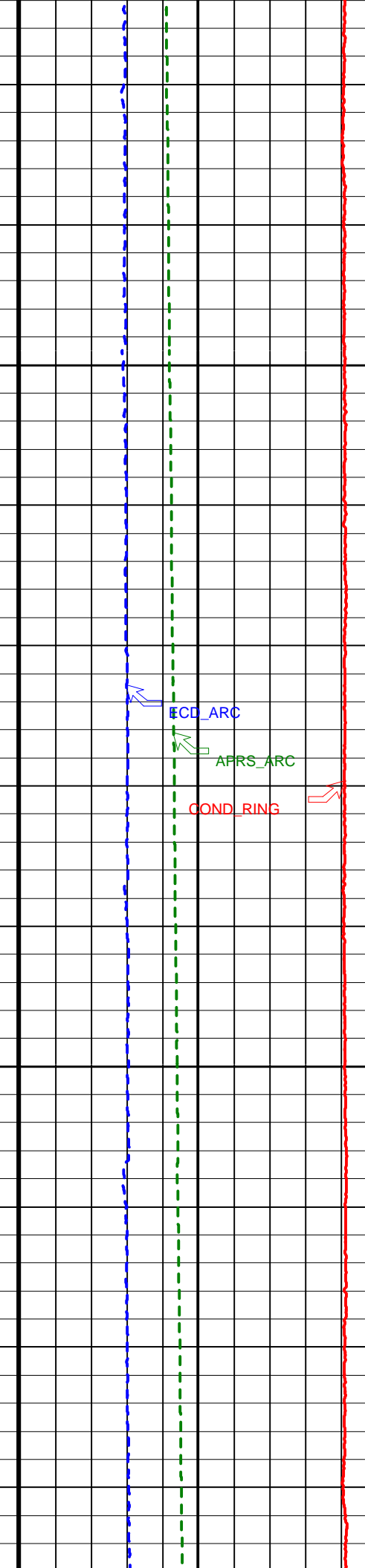
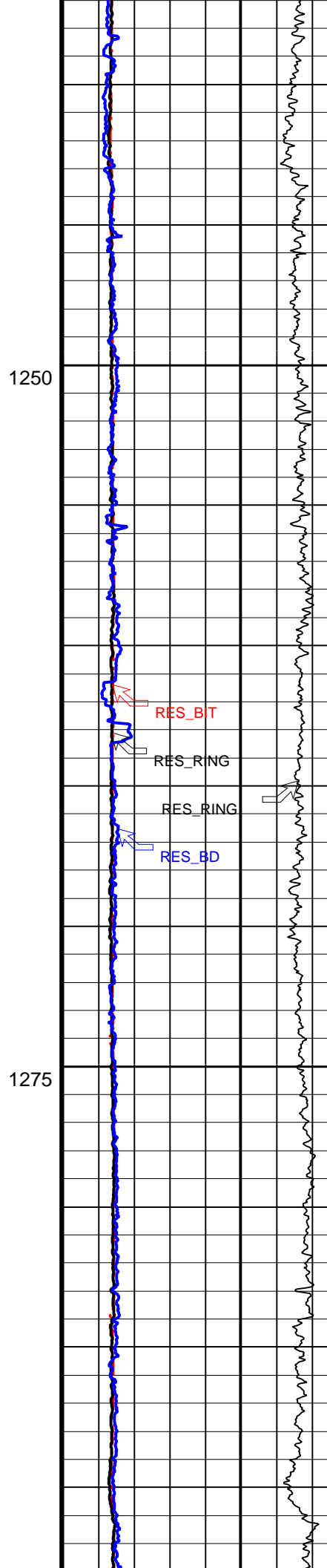
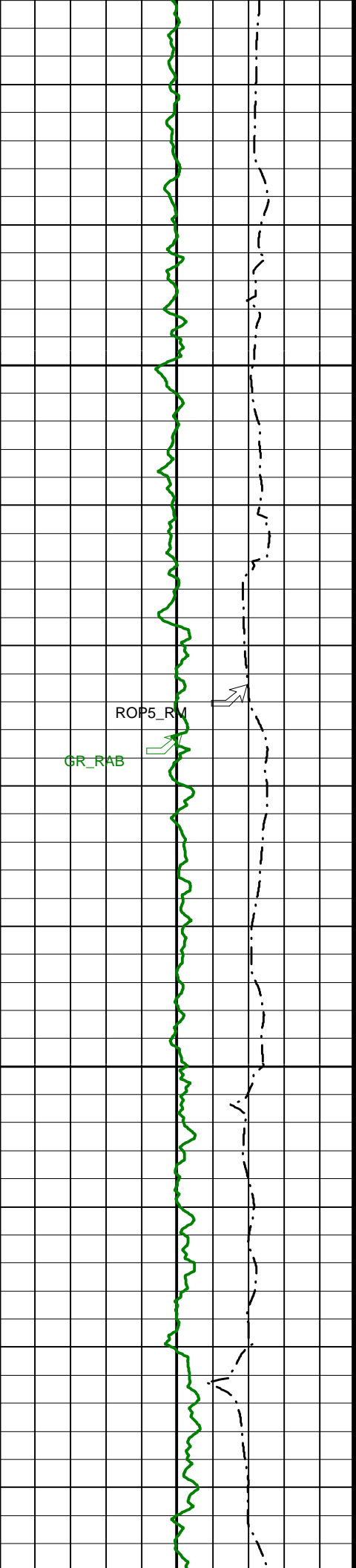
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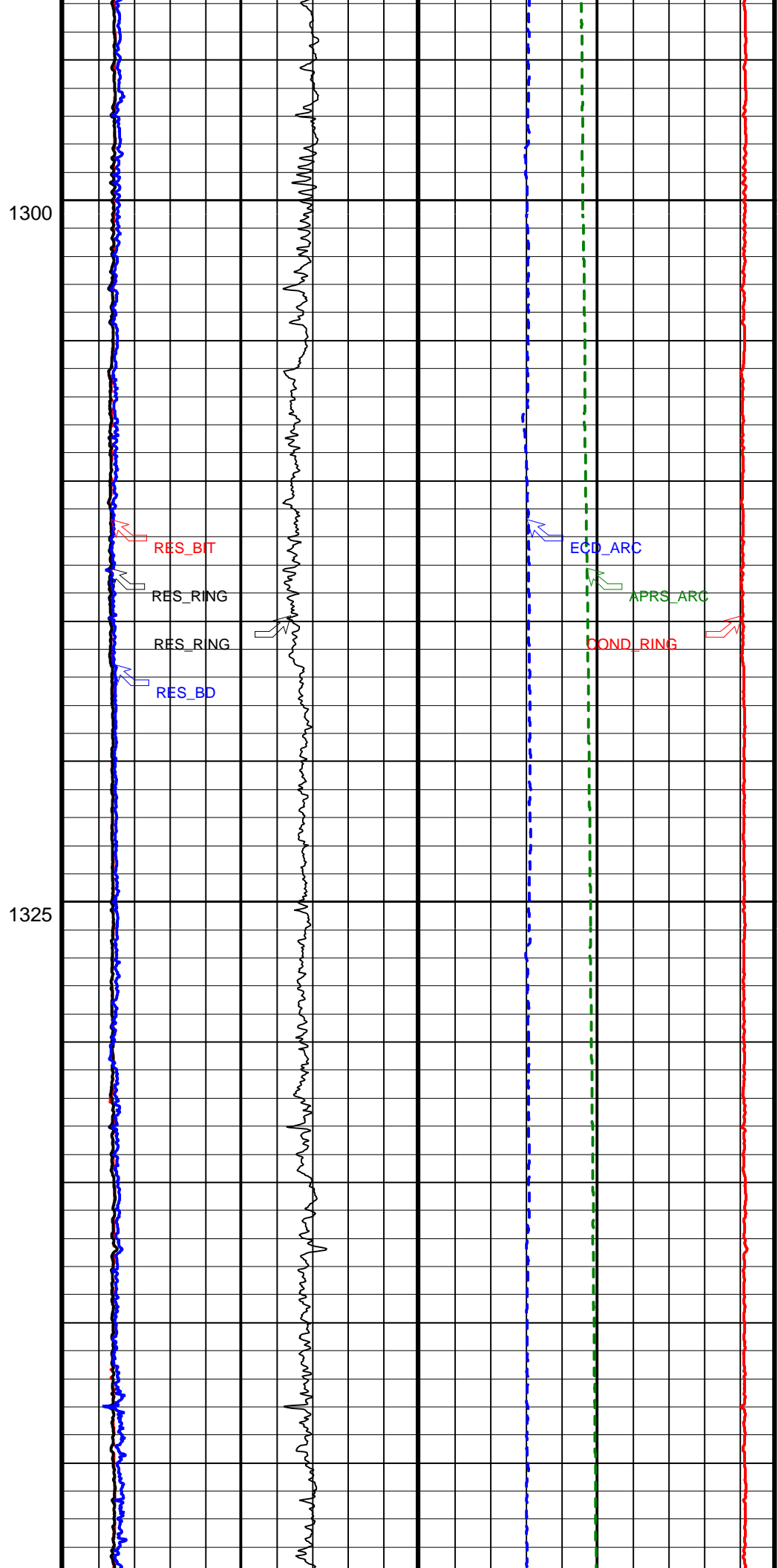
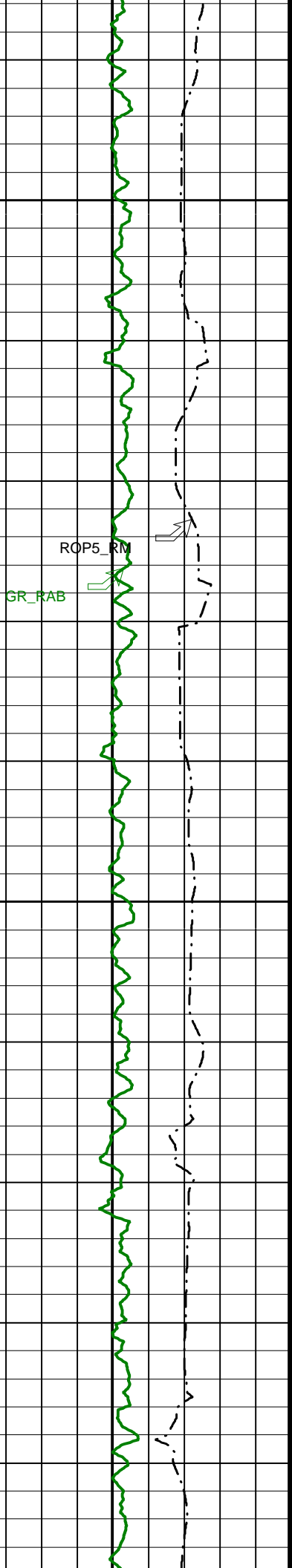
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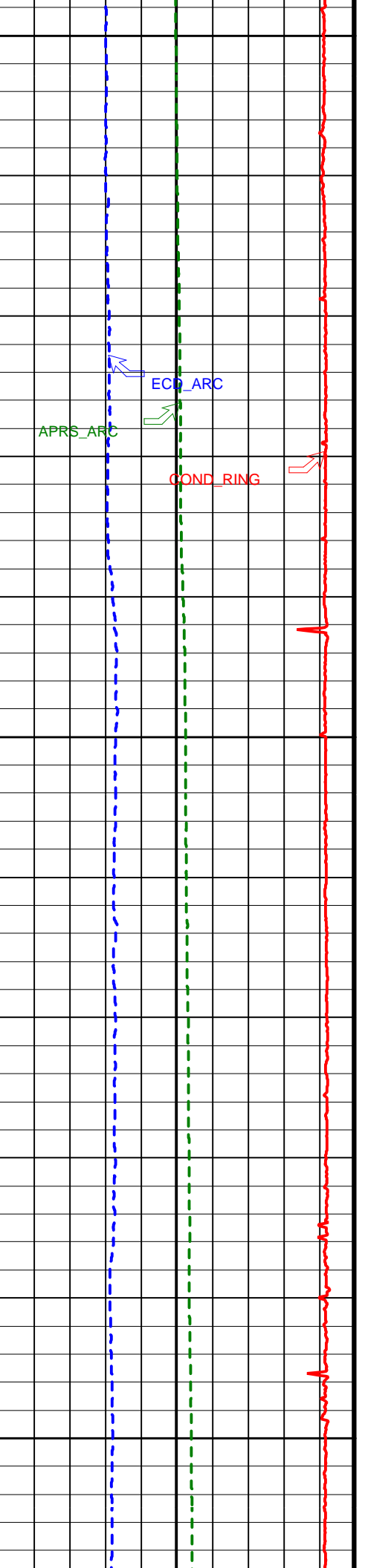
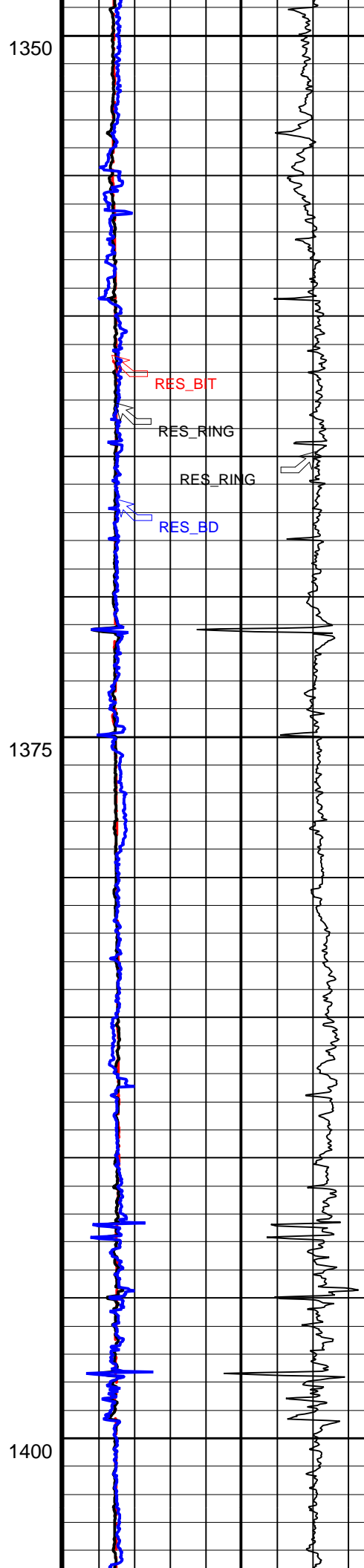
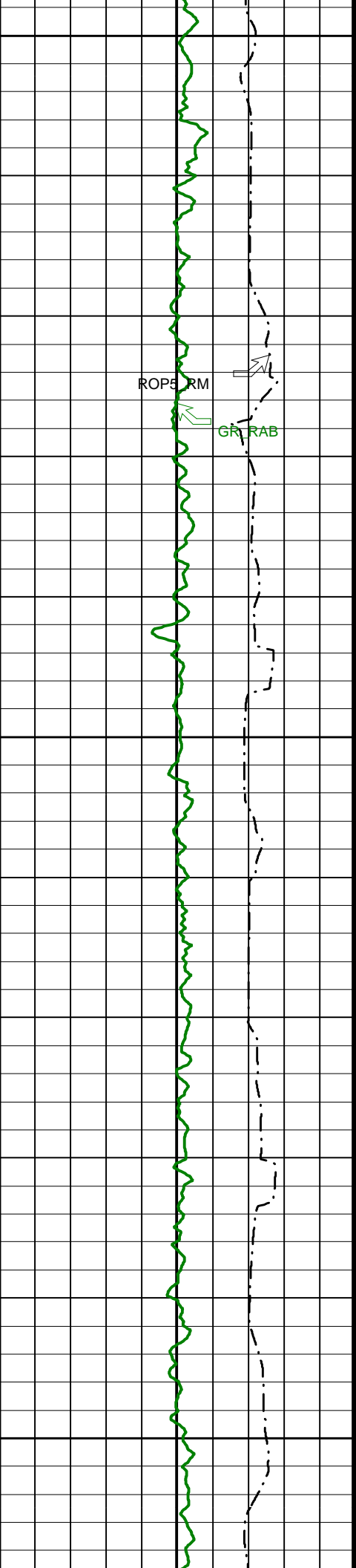
1275

ROP5\_RM  
GR\_RAB

RES\_BT  
RES\_RING  
RES\_RING  
RES\_BD

ECD\_ARC  
AFRS\_ARC  
COND\_RING





1350

1375

1400

ROPS\_ARM

GR\_RAB

RES\_BIT

RES\_RING

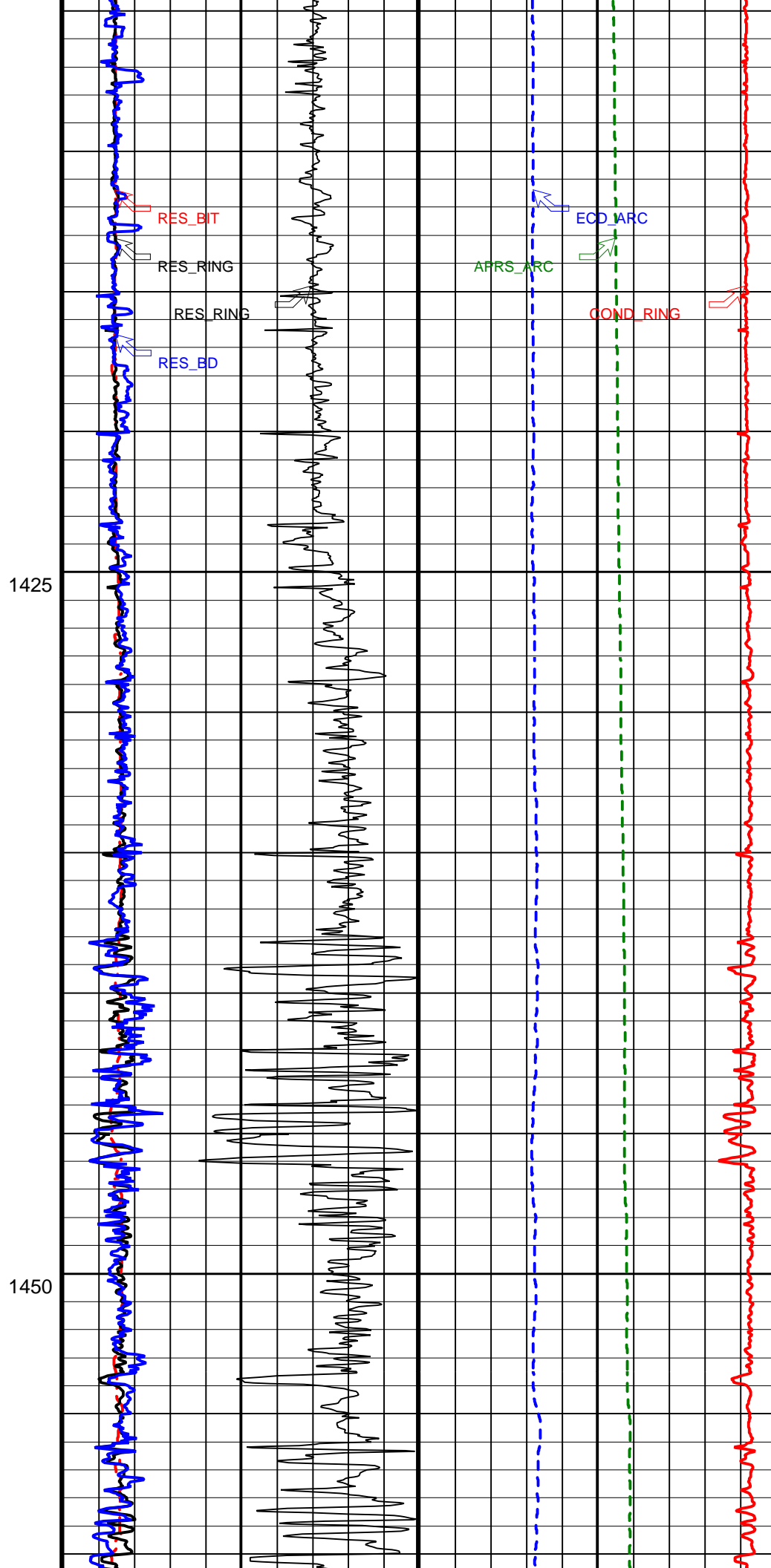
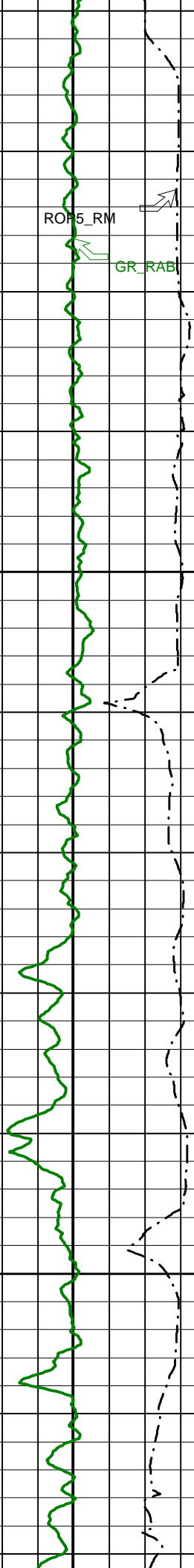
RES\_RING

RES\_BD

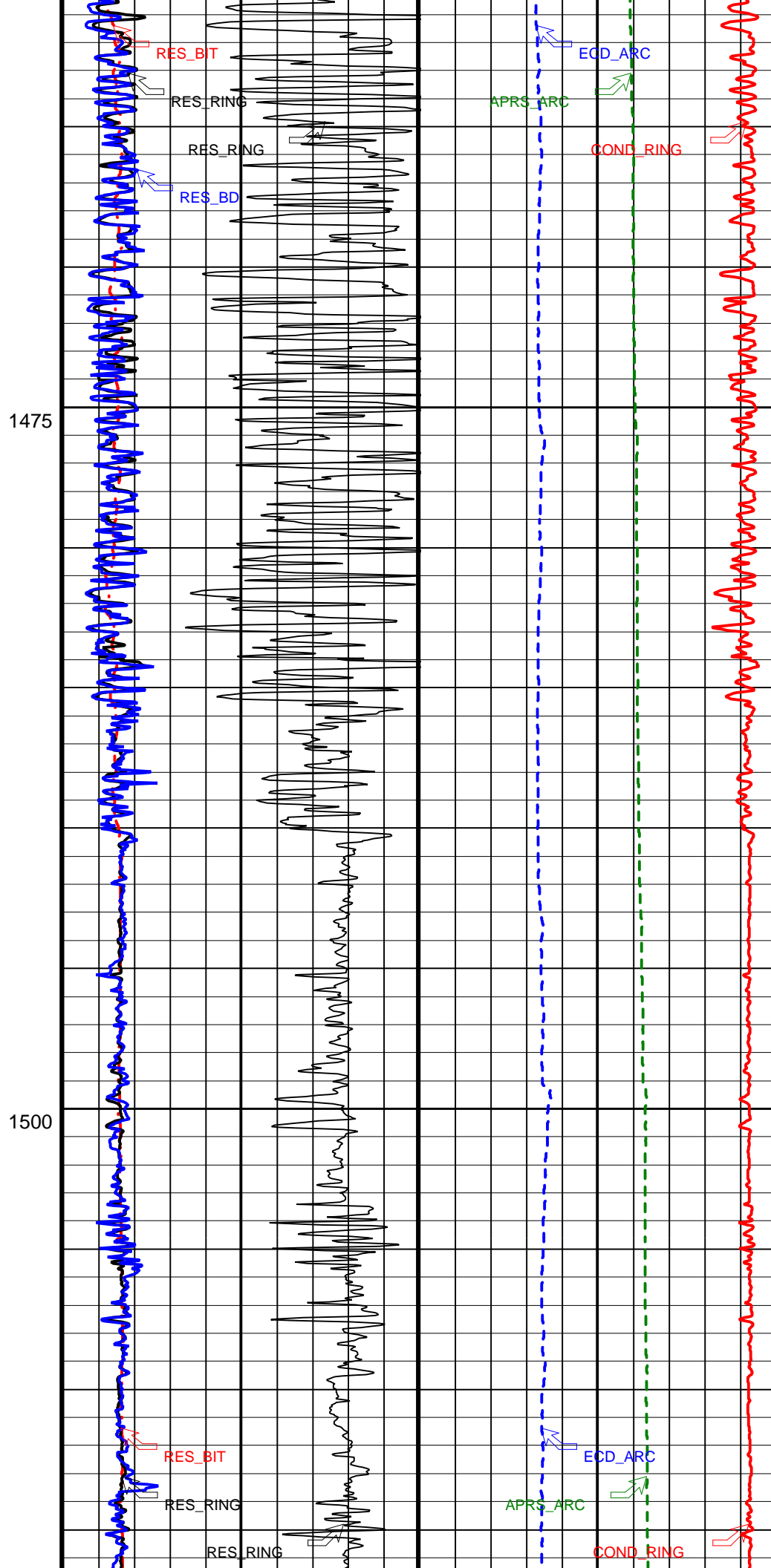
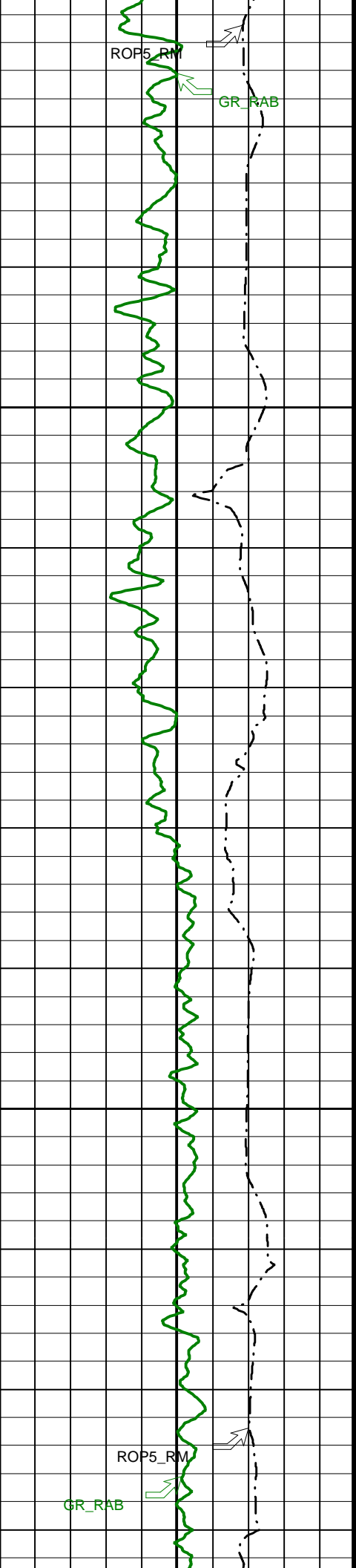
APRS\_ARC

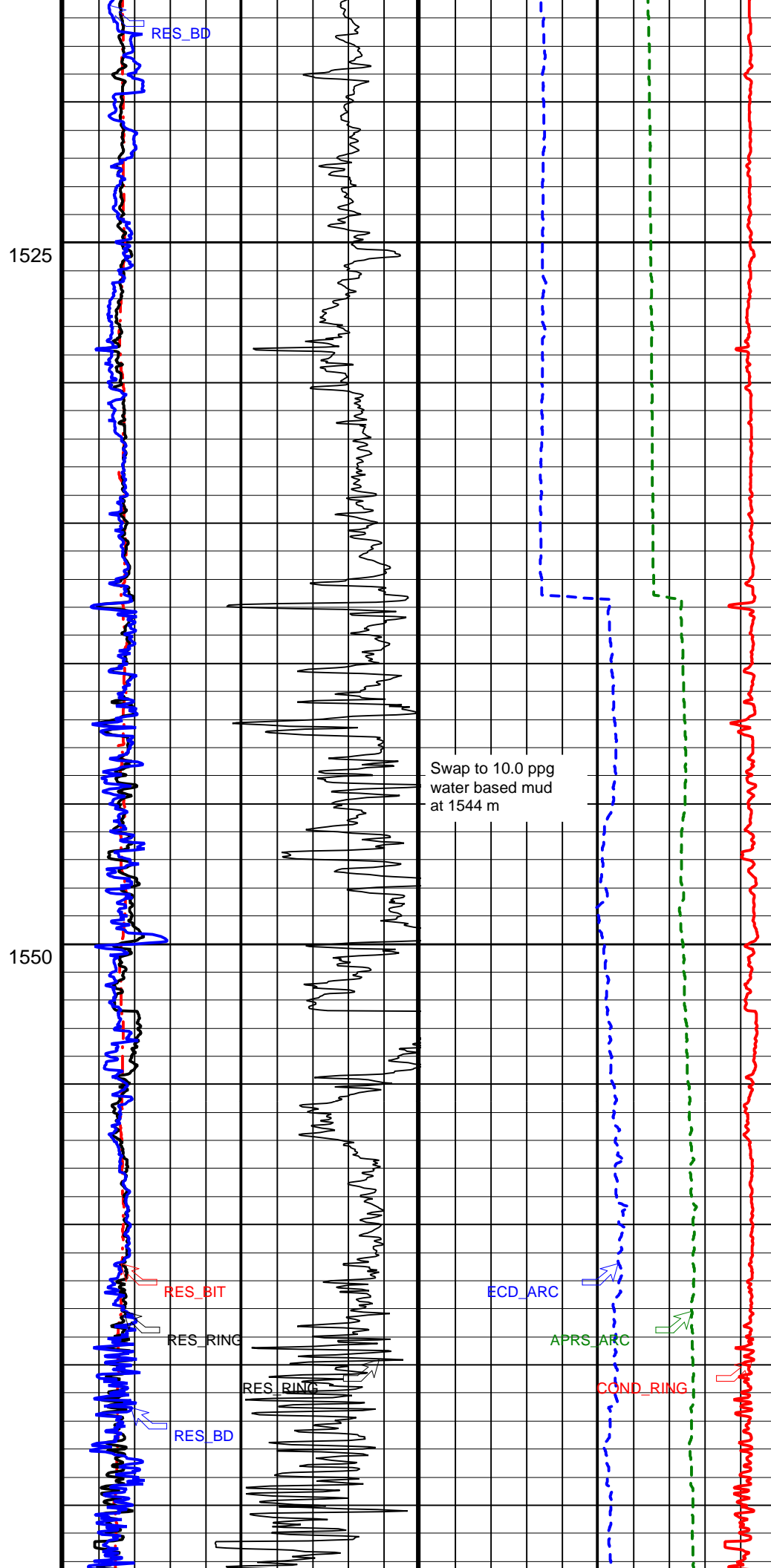
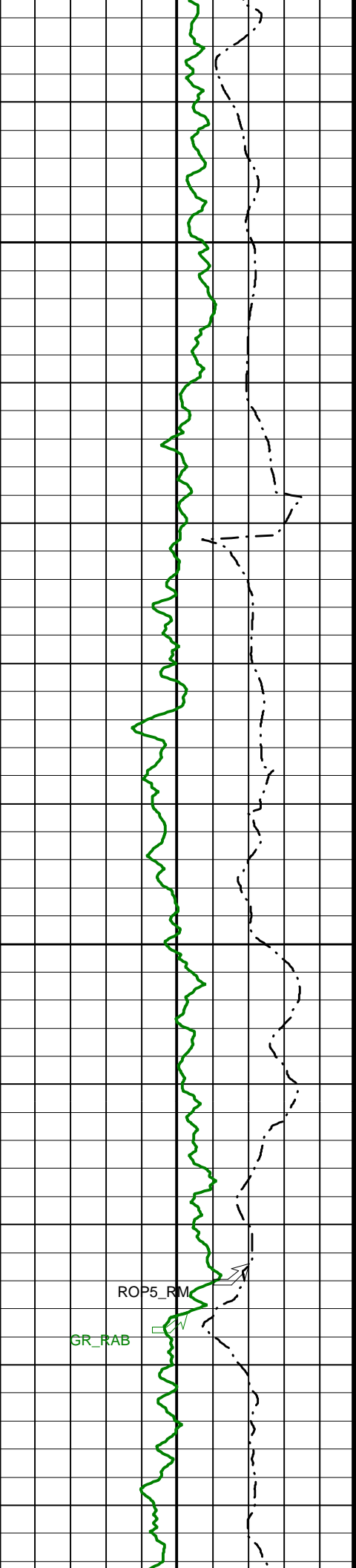
ECO\_ARC

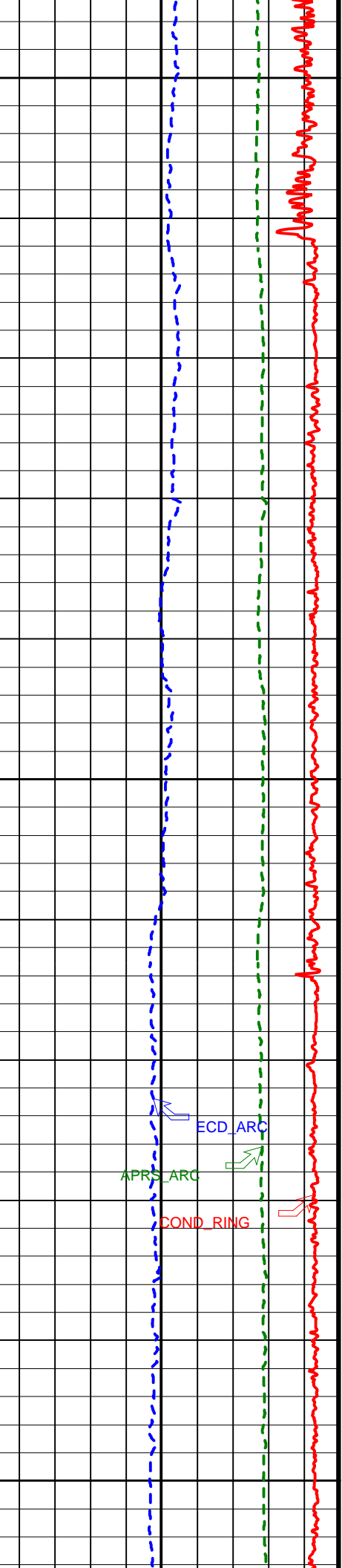
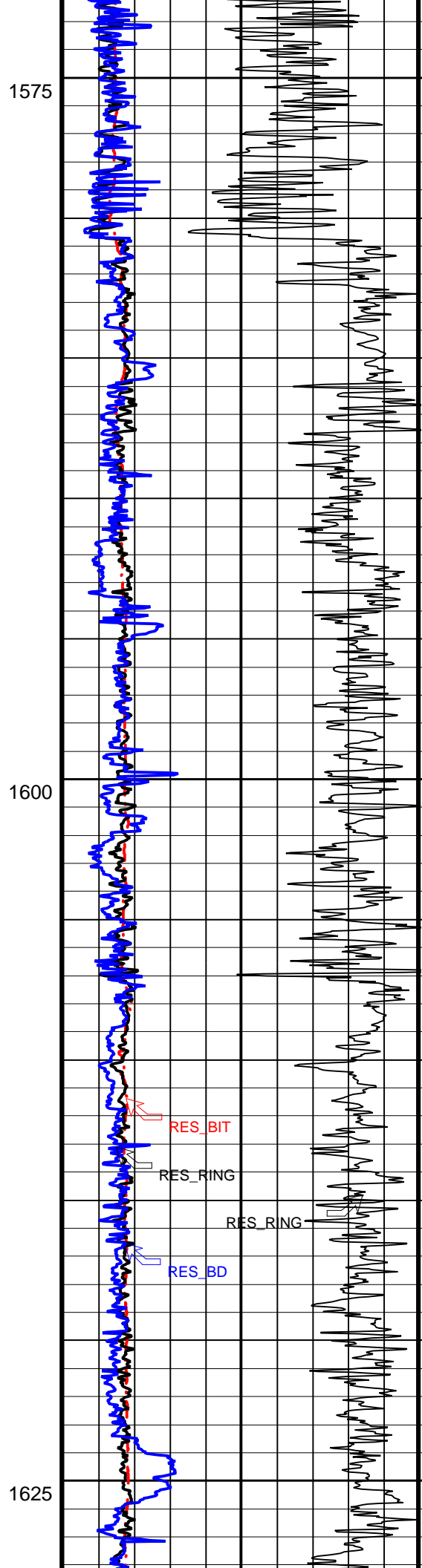
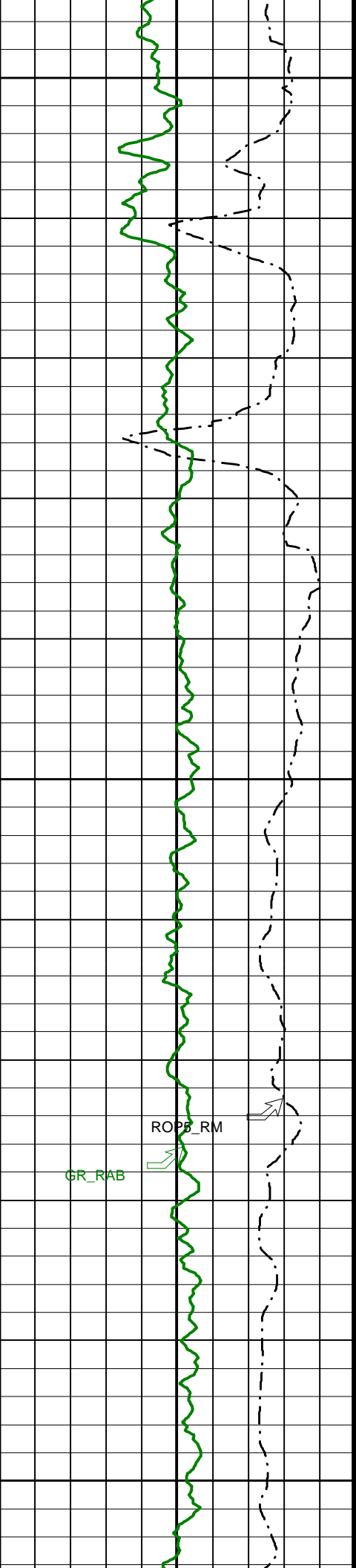
COND\_RING

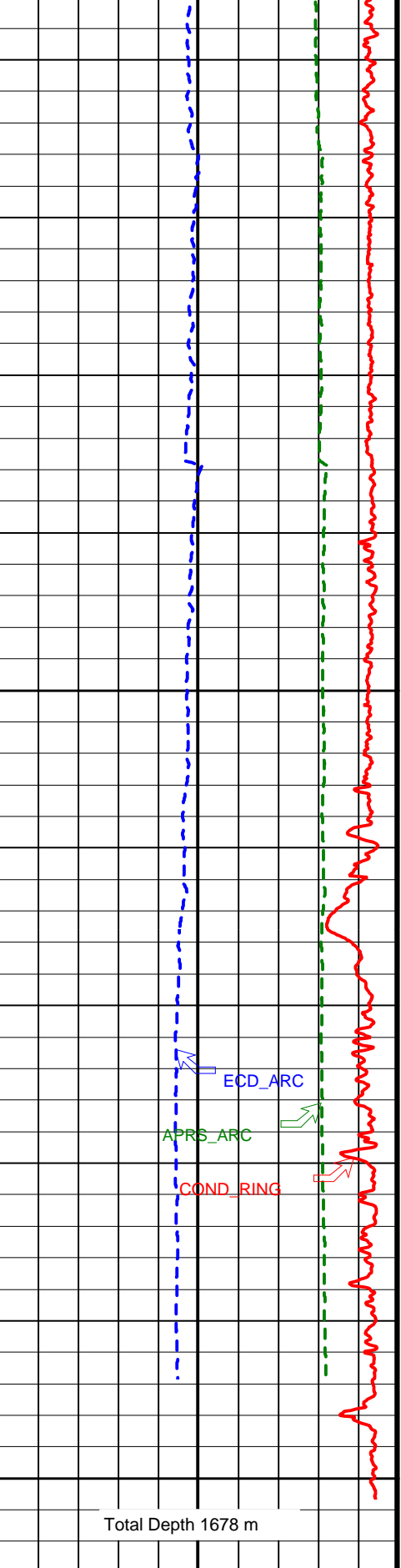
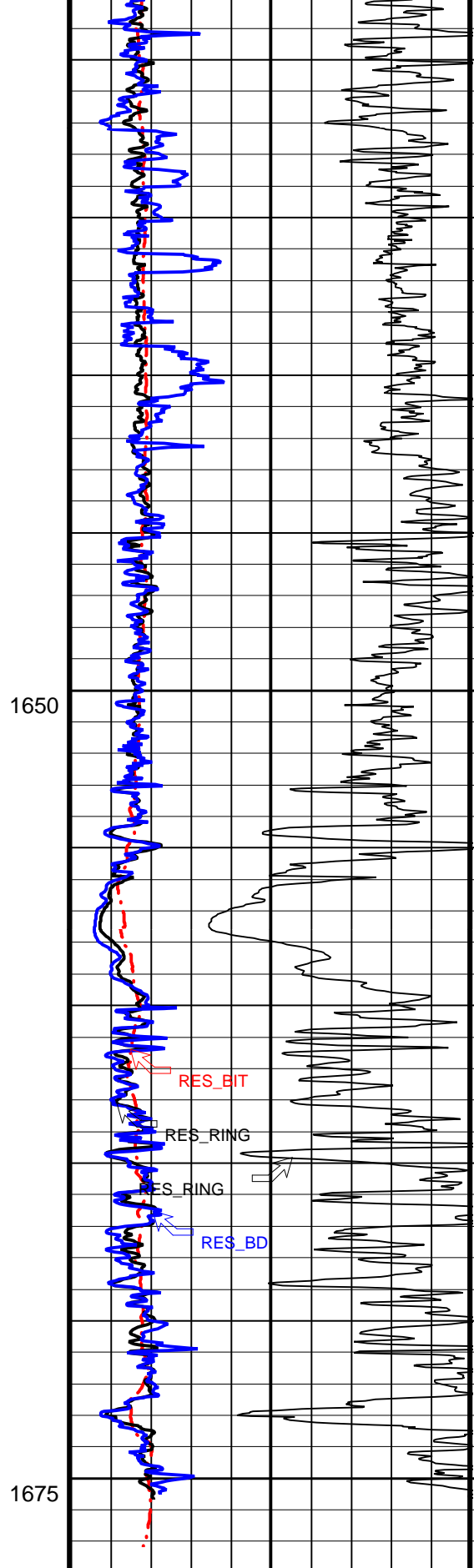
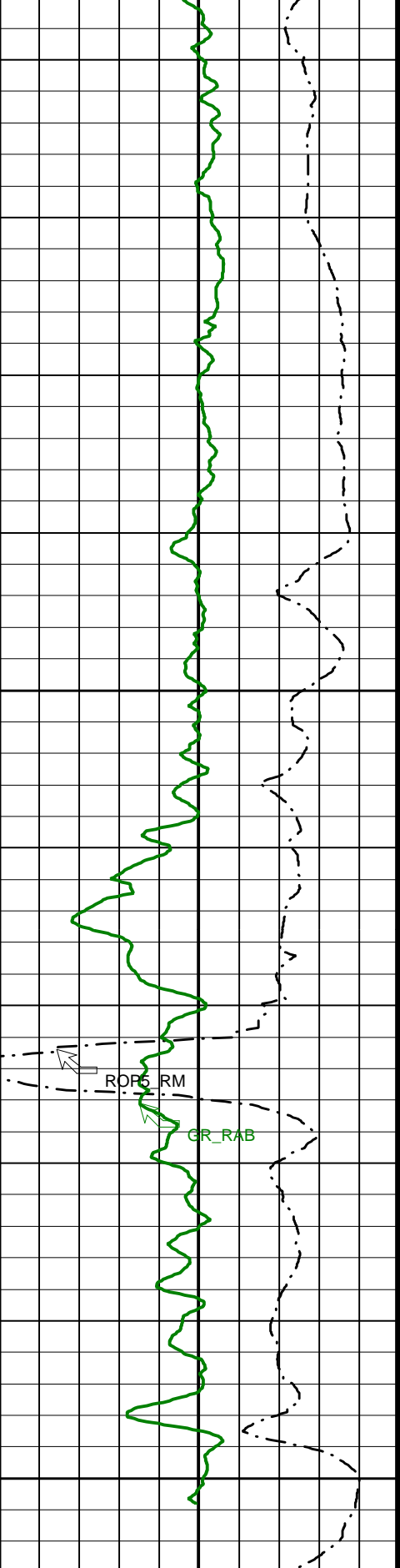












RAB Gamma Ray (GR\_RAB)  
(GAPI)

Rate of Penetration, Averaged over Last 5ft (ROP5\_RM)  
(M/HR)

Bit Resistivity (RES\_BIT)  
(OHMM)

Ring Resistivity (RES\_RING)  
(OHMM)

Equivalent Circulating Density (ECD\_ARC)  
(LB/G)

Annulus Pressure (APRS\_ARC)  
(PSI)

Amplified Ring Resistivity (RES_RING)		Ring Conductivity (COND_RING)	
0	(OHMM)	2	8000 (MMHO) 0
Deep Button Resistivity (RES_BD)			
0	(OHMM)	10	

IDEAL Version: ID10\_OC\_04  
IDF

SCHLUMBERGER

Survey report 28-Jun-2005 22:53:11 Page 1 of 2

Client.....: Integrated Ocean Drilling Program  
Field.....: Mississippi Canyon Block 897

Well.....: IODP Exp 308 Hole U1324A Spud date.....: 17-Jun-05  
Site.....: Ursa Basin Last survey date.....: 19-Jun-05  
Engineer.....: Hoong, K. Total accepted surveys...: 12

Rig.....: Joides Resolution MD of first survey.....: 1066.10 m  
State.....: Louisiana MD of last survey.....: 1678.00 m

----- Survey calculation methods-----  
Method for positions.....: Minimum curvature Magnetic model.....: BGGM version 2004  
Method for DLS.....: Mason & Taylor Magnetic date.....: 17-Jun-2005  
Magnetic field strength...: 949.10 HCNT  
----- Depth reference -----  
Permanent datum.....: Mean Sea Level Magnetic dip.....: 58.28 degrees  
Depth reference.....: Driller's Depth Magnetic dec (+E/W-).....: 0.21 degrees  
GL above permanent.....: 1055.50 m  
KB above permanent.....: Top Drive  
DF above permanent.....: 10.60 m  
----- Vertical section origin-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m  
----- Platform reference point-----  
Latitude (+N/S-).....: 0.00 m  
Departure (+E/W-).....: 0.00 m  
Azimuth from Vsect Origin to target: 0.00 degrees  
----- Coordinate System-----  
Geodetic Datum.....: NAD 27  
Projection Identification: UTM Zone 16 N

----- Geomagnetic data -----  
Magnetic model.....: BGGM version 2004  
Magnetic date.....: 17-Jun-2005  
Magnetic field strength...: 949.10 HCNT  
Magnetic dec (+E/W-).....: 0.21 degrees  
Magnetic dip.....: 58.28 degrees  
----- MWD survey Reference Criteria -----  
Reference G.....: 999.17 mGal  
Reference H.....: 949.10 HCNT  
Reference Dip.....: 58.28 degrees  
Tolerance of G.....: (+/-) 2.50 mGal  
Tolerance of H.....: (+/-) 6.00 HCNT  
Tolerance of Dip.....: (+/-) 0.45 degrees  
----- Corrections -----  
Magnetic dec (+E/W-).....: 0.21 degrees  
Grid convergence (+E/W-)..: -1.01 degrees  
Total az corr (+E/W-).....: 1.22 degrees  
(Total az corr = magnetic dec - grid conv)  
Survey Correction Type ...:  
I=Sag Corrected Inclination  
M=Schlumberger Magnetic Correction  
S=Shell Magnetic Correction  
F=Failed Axis Correction  
R=Magnetic Resonance Tool Correction  
D=Dmag Magnetic Correction

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SCHLUMBERGER Survey Report 28-Jun-2005 22:53:11 Page 2 of 2

Seq #	Measured depth (m)	Incl angle (deg)	Azimuth (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg/10m)	DLS type (deg)	Srvy tool
1	1066.10	0.00	0.00	0.00	1066.10	0.00	0.00	0.00	0.00	0.00	0.00	TIP None
2	1092.50	5.47	275.72	26.40	1092.46	0.13	0.13	-1.25	1.26	275.72	2.07	MWD None
3	1111.50	4.26	274.75	19.00	1111.39	0.27	0.27	-2.86	2.87	275.48	0.64	MWD_M None
4	1237.30	0.74	263.74	125.80	1237.05	0.57	0.57	-8.32	8.34	273.94	0.28	MWD None
5	1353.00	0.47	255.07	115.70	1352.75	0.37	0.37	-9.52	9.53	272.22	0.02	MWD None
6	1371.70	1.63	249.98	18.70	1371.44	0.26	0.26	-9.85	9.85	271.50	0.62	MWD None
7	1438.70	0.38	256.75	67.00	1438.43	-0.12	-0.12	-10.96	10.96	269.38	0.19	MWD None
8	1458.20	0.35	260.30	19.50	1457.93	-0.14	-0.14	-11.08	11.08	269.26	0.02	MWD None
9	1469.40	0.55	272.09	11.20	1469.13	-0.15	-0.15	-11.17	11.17	269.24	0.20	MWD None
10	1592.30	1.18	256.29	122.90	1592.02	-0.43	-0.43	-12.99	12.99	268.12	0.05	MWD None
11	1662.10	1.34	239.98	69.80	1661.80	-1.00	-1.00	-14.39	14.43	266.01	0.06	MWD None
12	1678.00	1.34	239.98	15.90	1677.69	-1.19	-1.19	-14.71	14.76	265.37	0.00	Proj to TD

[(c)2005 IDEAL ID10\_OC\_04]

Well: IODP Exp 308 Hole U1324A  
Field: Mississippi Canyon Block 897  
Rig: Joides Resolution  
State: Louisiana

GeoVISION Resistivity  
1 : 200 Measured Depth  
Recorded Mode Log