

**WILD**

Permanent Datum	: LAT	Elevation :	0.00 m	Elev.	KB
Log Measured From	: Drill Floor	22.00 m	Above Permanent Datum	DF	22.00 m
Drilling Measured From	: Drill Floor	TIME LOG		GL	70.80 m
				WD	
Depth Logged	: 1,146.00 m	To	2,404.00 m	Unit No.	: 197
Date Logged	: 27-May-05	To	04-Jun-05	Job No. :	ALUFE-0003735541
Total Depth MID	: 2,404.00 m	TVD:	1,786.70 m	Plot Type	: Final
Spud Date	: 27-May-05	Plot Date	: 29-Jun-05		

[illegible]

WELL INFORMATION					
MWD Run Number	800	900	1000	1100	
Date run completed	27-May-05	28-May-05	31-May-05	04-Jun-05	
Rig Bit Number	12	13	14	15	
Bit Size (mm)	311	311	311	216	
Tool Nominal OD (mm)	203	203	203	171	
Log Start Depth (MD, m)	1,146.0	1,157.0	1,274.0	1,998.0	
Log End Depth (MD, m)	1,157.0	1,274.0	1,998.0	2,404.0	
Drill or Wipe	Drilling	Drilling	Drilling	Drilling	
Drill/Wipe Start Date and Time	27-May-05 00:00	27-May-05 19:55	29-May-05 00:45	02-Jun-05 14:51	
Drill/Wipe End Date and Time	27-May-05 07:25	28-May-05 10:40	30-May-05 16:04	04-Jun-05 03:31	
Min Inc (deg) @ Depth (MD, m)	3.91 @ 1,133.97	5.08 @ 1,166.38	10.53 @ 1,287.27	76.66 @ 2,020.94	
Max Inc (deg) @ Depth (MD, m)	3.91 @ 1,133.97	10.24 @ 1,250.01	76.28 @ 1,975.04	87.78 @ 2,193.21	
Bit TFA(in2) / Bit Type	1.11 / HYC DS43GTS	1.11 / Sec XL12D	1.77 / DBS FS2663	0.98 / Sec FMF3553	
Flow Rate (gpm)	866	843	960	745	
Max AV (mpm) / CV (mpm) @ MWD	75.4 / 178.6	79.3 / 164.9	87 / 176	224 / 220	
Fluid Type	KCl/Polymer	KCl/Polymer	KCl/Polymer	Flo Pro	
Density (sg) / Viscosity (spqt)	1.3 / 68	1.3 / 60	1.3 / 69	1.3 / 57	
Filtrate CL (ppm)	46,000	46,000	46,000	120,000	
pH / Fluid Loss (mptm)	11 / 11	10.8 / 10.8	8.5 / 8.5	9.7 / 9.7	
PV (cp) / YP (lhf2)	18 / 42	16 / 37	20 / 43	17 / 41	
% Solids / % Sand	12 / 0.01	13 / 0.1	14 / 0.1	15 / 0.25	
% Oil / Oil:Water Ratio	N/A / N/A	N/A / N/A	N/A / N/A	N/A / N/A	
Rm @ Measured Temp (degC)	0.11 @ 19.4	0.11 @ 20.0	0.12 @ 21.7	0.06 @ 23.3	
Rmf @ Measured Temp (degC)	0.08 @ 19.4	0.10 @ 20.0	0.09 @ 23.3	0.04 @ 23.9	
Rmc @ Measured Temp (degC)	0.28 @ 20.0	0.16 @ 18.9	0.17 @ 21.1	0.09 @ 20.0	
Max Tool Temp (degC) / Source	57.0 / EWR-P4	58.0 / EWR-P4	76.0 / HCIM	78.0 / EWR-P4	
Rm @ Max Tool Temp (degC)	0.06 @ 57.0	0.06 @ 58.0	0.05 @ 76.0	0.03 @ 78.0	
Lead MWD Engineer	A.Rule	A. Rule	A.Rule	A.Rule	
Customer Representative	C.Wise	C.Wise	C.Wise	R.King	

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM	HCIM	HCIM	HCIM	
Software Version	68.18	68.18	68.18	68.18	
Sub Serial Number	198838	198838	198838	10630413	
Insert Serial Number	163155	163155	163155	093281	
Logging String Serial Number	90072522XH1WRG	DM90072522	DM90072522	90073263HWRG6	
Date and Time Initialized	26-May-05 12:49	27-May-05 11:11	28-May-05 18:32	02-Jun-05 09:19	
Date and Time Read	27-May-05 10:26	28-May-05 15:49	31-May-05 23:02	04-Jun-05 15:29	

Directional Sensor Information

Tool Type	DM	DM	DM	DM	
Distance From Bit (m)	20.91	22.98	19.97	8.97	
Software Version	3.15	3.15	3.15	3.15	
Sub Serial Number	128402	128402	128402	Flex773864	
Sonde Serial Number	581139	581139	581139	149865	
Sensor ID Number	N/A	N/A	N/A	N/A	
Survey String Serial Number	N/A	N/A	N/A	N/A	
Toolface Offset (deg)	101.30	272.43	N/A	N/A	

Drillstring Dynamics Sensor Information

Tool Type	DDS	DDS	DDS		
Distance From Bit (m)	0	0	0		
Recorded Sample Period (sec)	12	12	12		
Software Version	.50	.50	.50		
Sub Serial Number	059984	059984	059984		
Insert Serial Number	0	0	0		
Sensor ID Number	126	126	126		

REMARKS

1. All depths are bit depths and referenced to the drillers pipe tally
2. AV/CV is calculated at the MWD collar using the Power Law for water based muds and the Bingham's Plastic Law for oil based muds.
3. Curve mnemonics are:
 SRP - Smoothed Rate of Penetration, m/hr (Sperry)
 SAAX - Smoothed Average X-Axis Accelerometer, g's (Sperry)
 SAAY - Smoothed Average Y-Axis Accelerometer, g's (Sperry)
 SAAZ - Smoothed Average Z-Axis Accelerometer, g's (Sperry)
 SPAX - Smoothed Peak X-Axis Accelerometer, g's (Sperry)
 SPAY - Smoothed Peak Y-Axis Accelerometer, g's (Sperry)
 SPAZ - Smoothed Peak Z-Axis Accelerometer, g's (Sperry)
 HOOKLOAD - Surface Hookload, klb (Sperry)
 RPM - Surface Drillstring Revolutions Per Minute, rpm (GeoServices)
 GP RPM - GeoPilot Revolutions Per Minute, rpm (Sperry)
 TORQUE - Surface Torque, ft-klbs (Sperry)
4. Casino-4DW2 was kicked off from Casino-4 at 1146.0 mMDRT
5. SDL depth based data was provided by Geoservices, resulting in poor quality time data. Sperry Hookload and GP RPM were substituted to provide a better quality log.
6. RPM not presented in Run 800 due to low data density.
7. DDS tool was not run on Run 1100

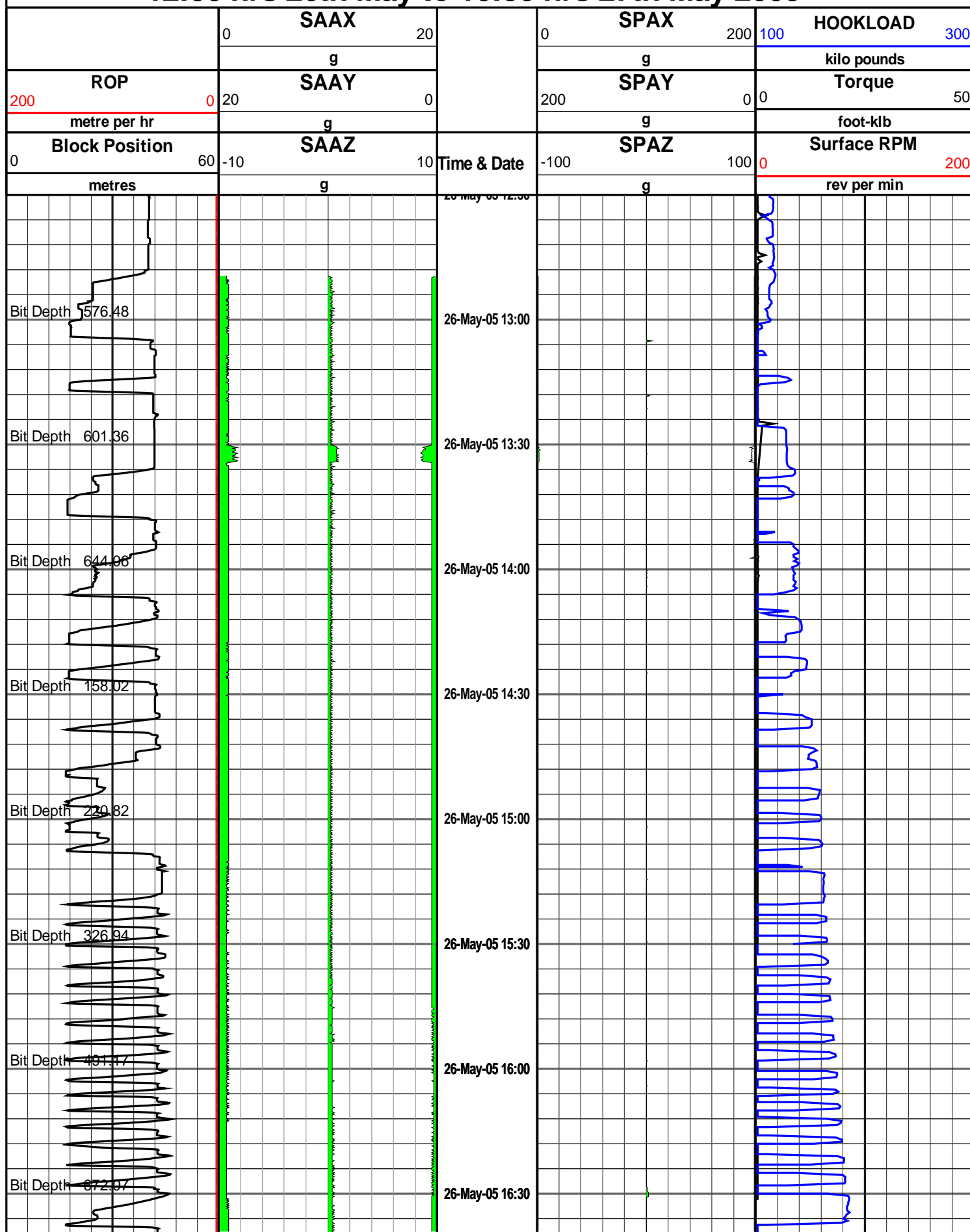
WARRANTY

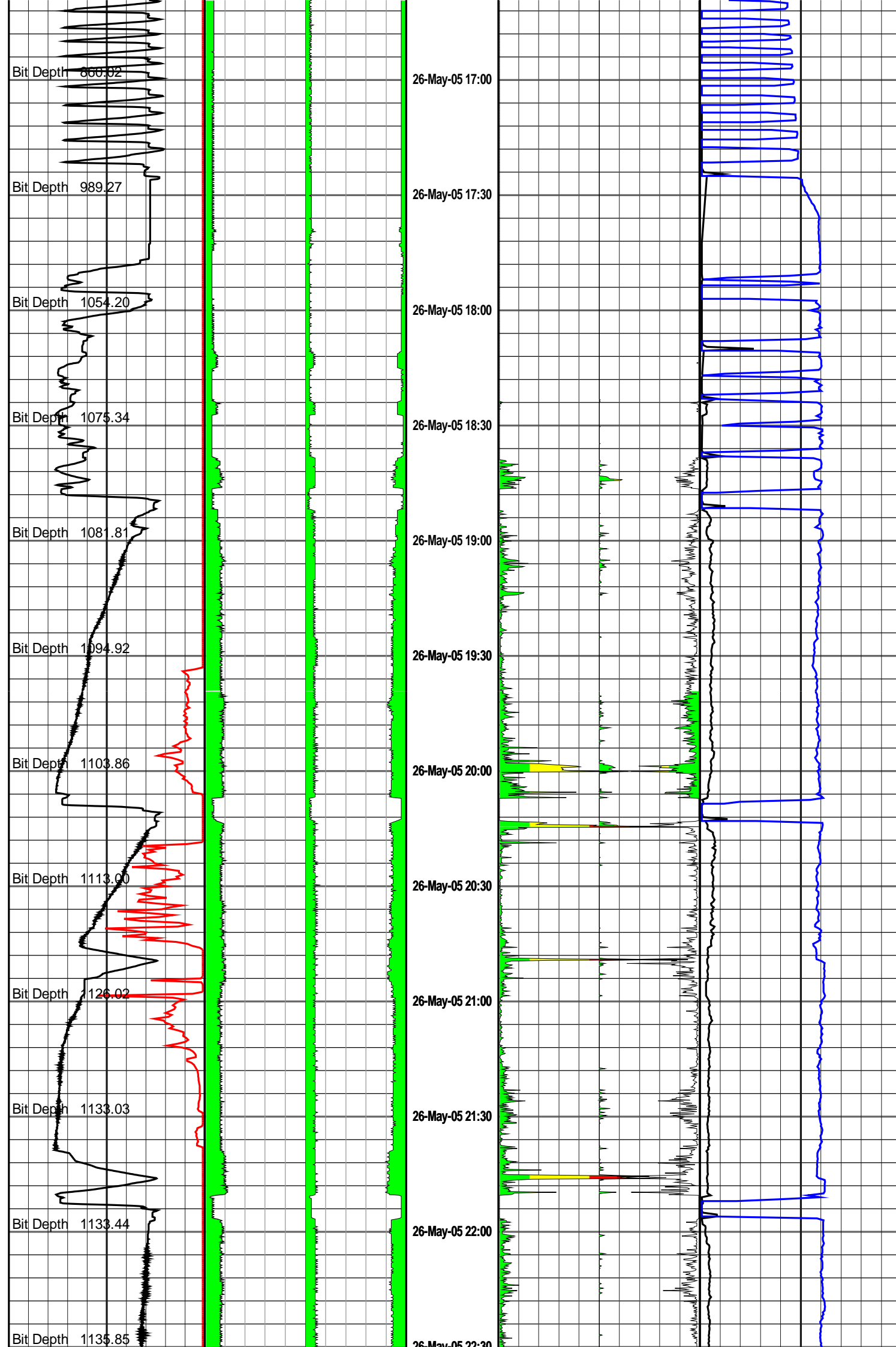
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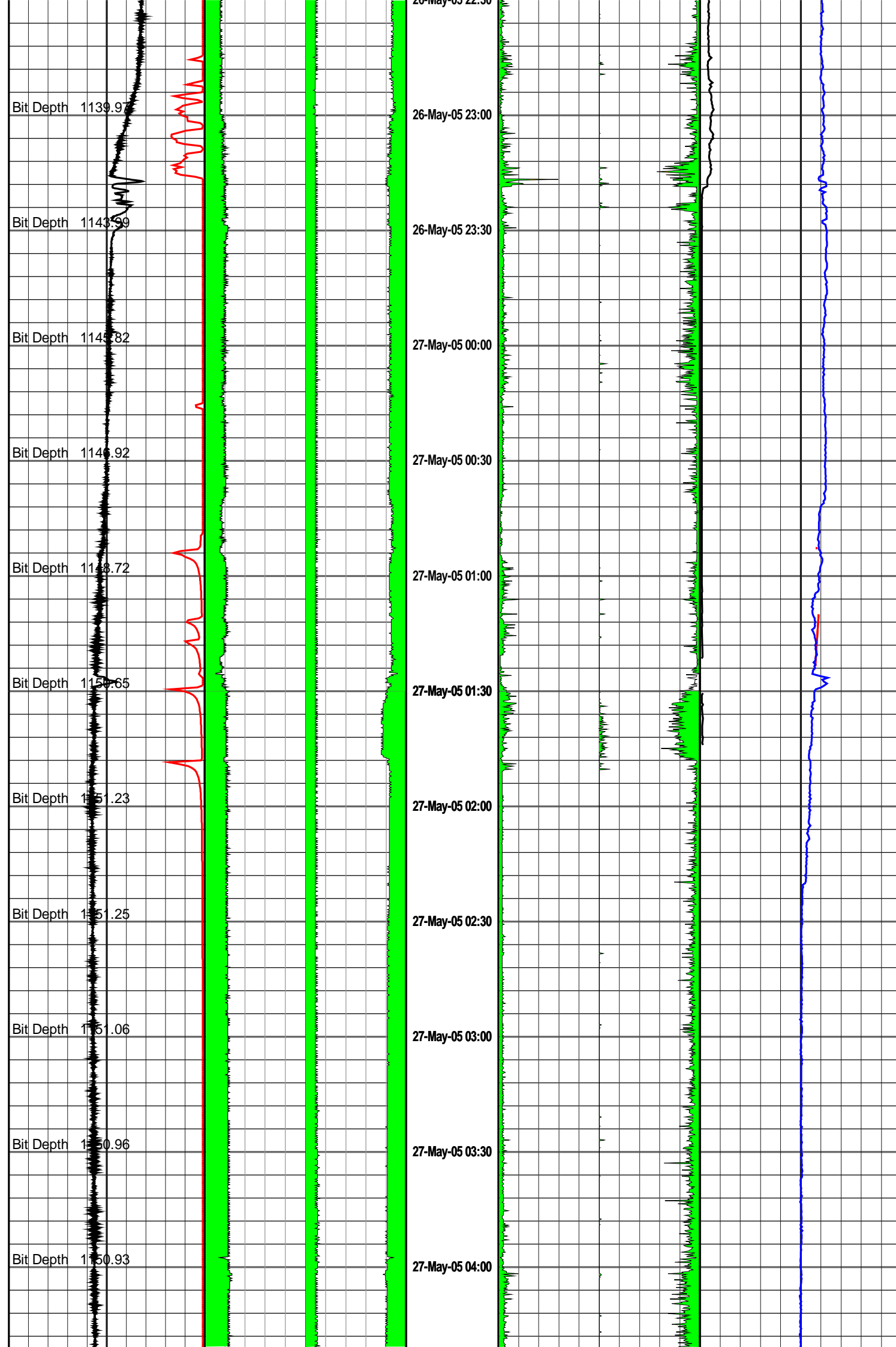
Run 800 : 311 mm Hole Section

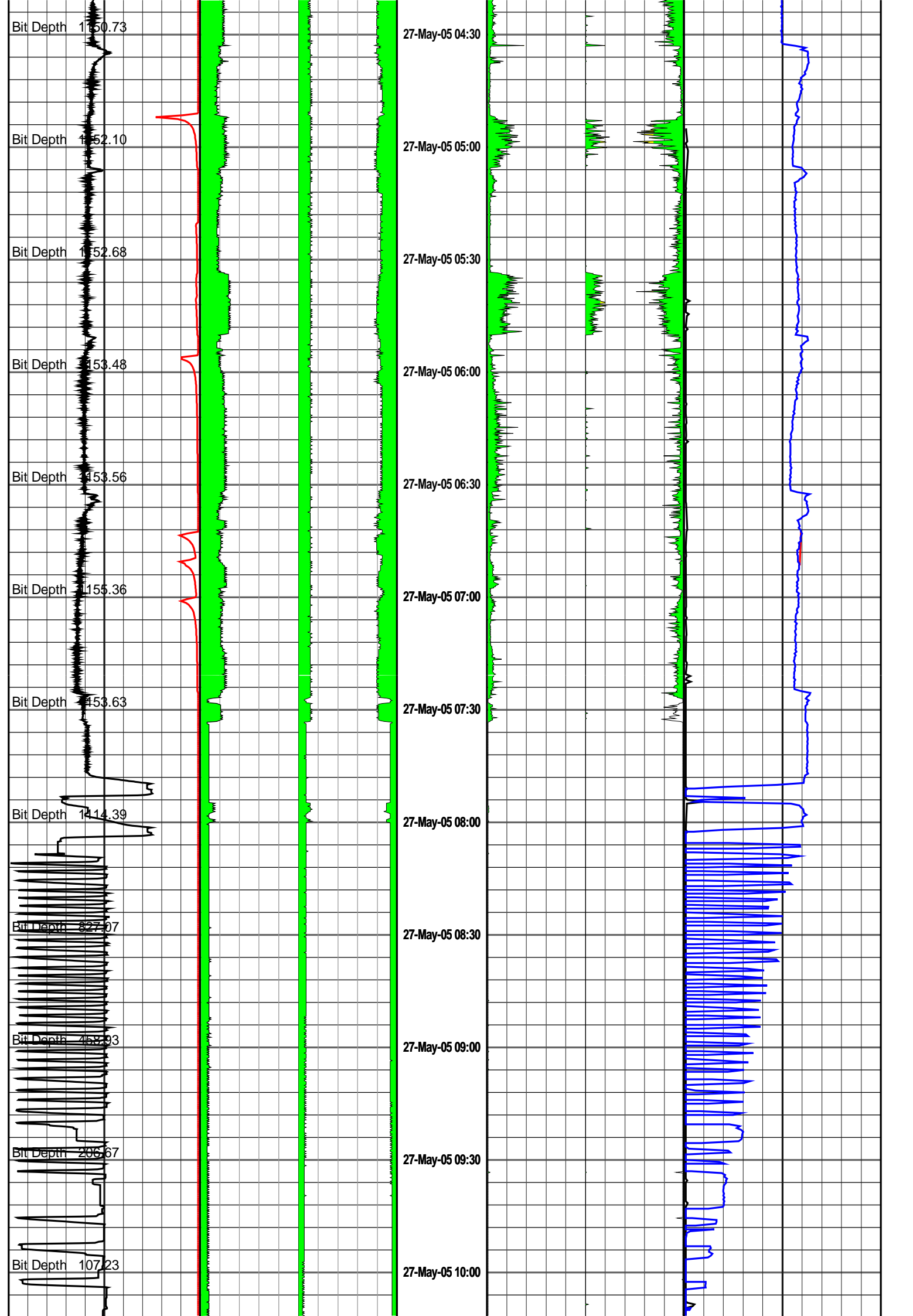
Drilled from 1146.0 to 1157.0 mMDRT

12:30 hrs 26th May to 10:30 hrs 27th May 2005









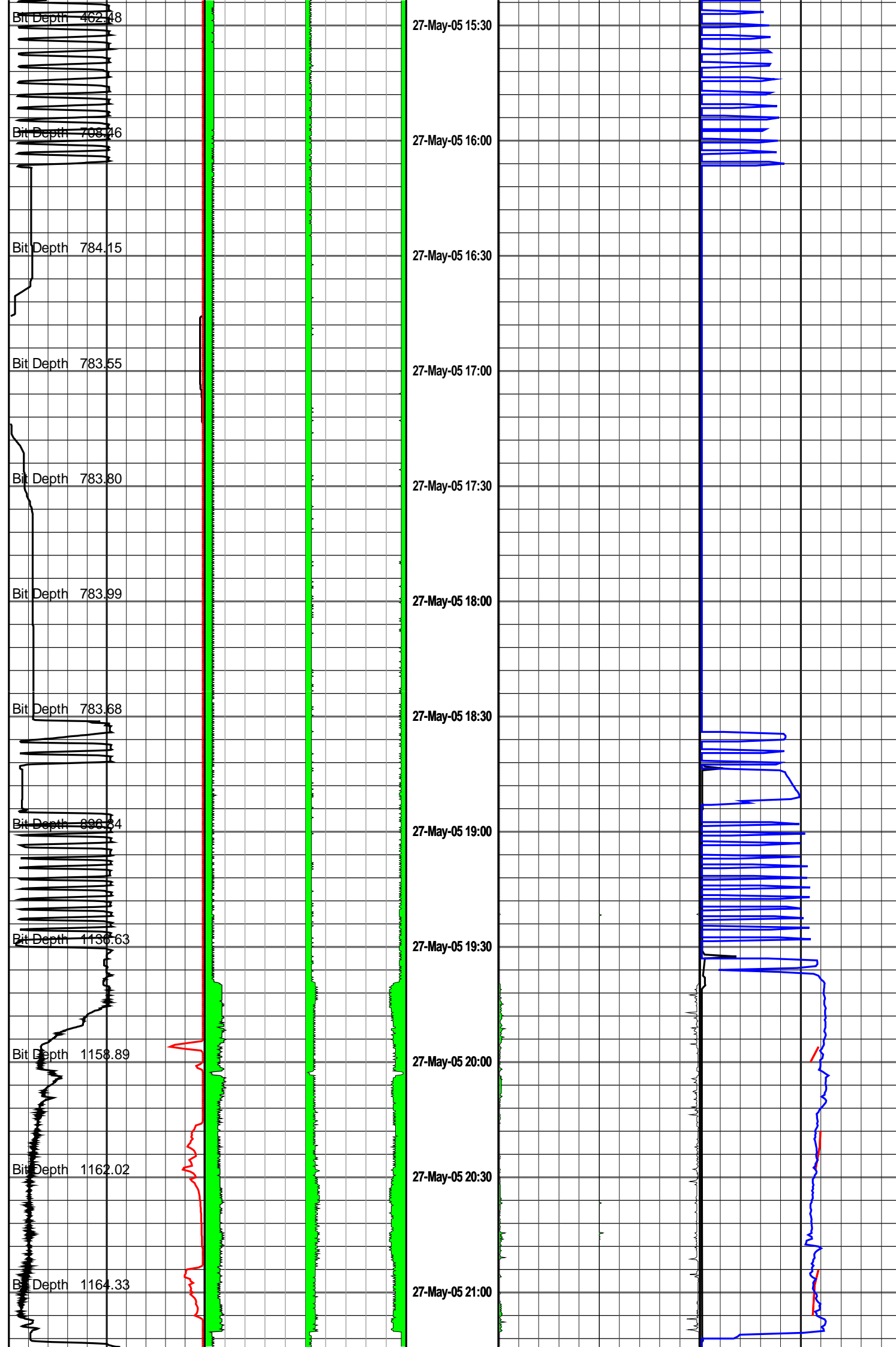
<div> <div>Bit Depth</div> <div>106.95</div> </div>		<div> <div>27-May-05 10:30</div> </div>		<div> <div></div> </div>	
<div> <div>Block Position</div> <div>060</div> </div>		<div> <div>SAAZ</div> <div>-1010</div> </div>		<div> <div>SPAZ</div> <div>-100100</div> </div>	
<div> <div>metres</div> </div>		<div> <div>g</div> </div>		<div> <div>g</div> </div>	
<div> <div>ROP</div> <div>2000</div> </div>		<div> <div>SAAY</div> <div>200</div> </div>		<div> <div>SPAY</div> <div>2000</div> </div>	
<div> <div>metre per hr</div> </div>		<div> <div>g</div> </div>		<div> <div>g</div> </div>	
<div> <div></div> <div>020</div> </div>		<div> <div>SAAX</div> <div>020</div> </div>		<div> <div>SPAX</div> <div>0200</div> </div>	
<div> <div></div> </div>		<div> <div>g</div> </div>		<div> <div>g</div> </div>	
				<div> <div>HOOKLOAD</div> <div>100300</div> </div>	
				<div> <div>kilo pounds</div> </div>	

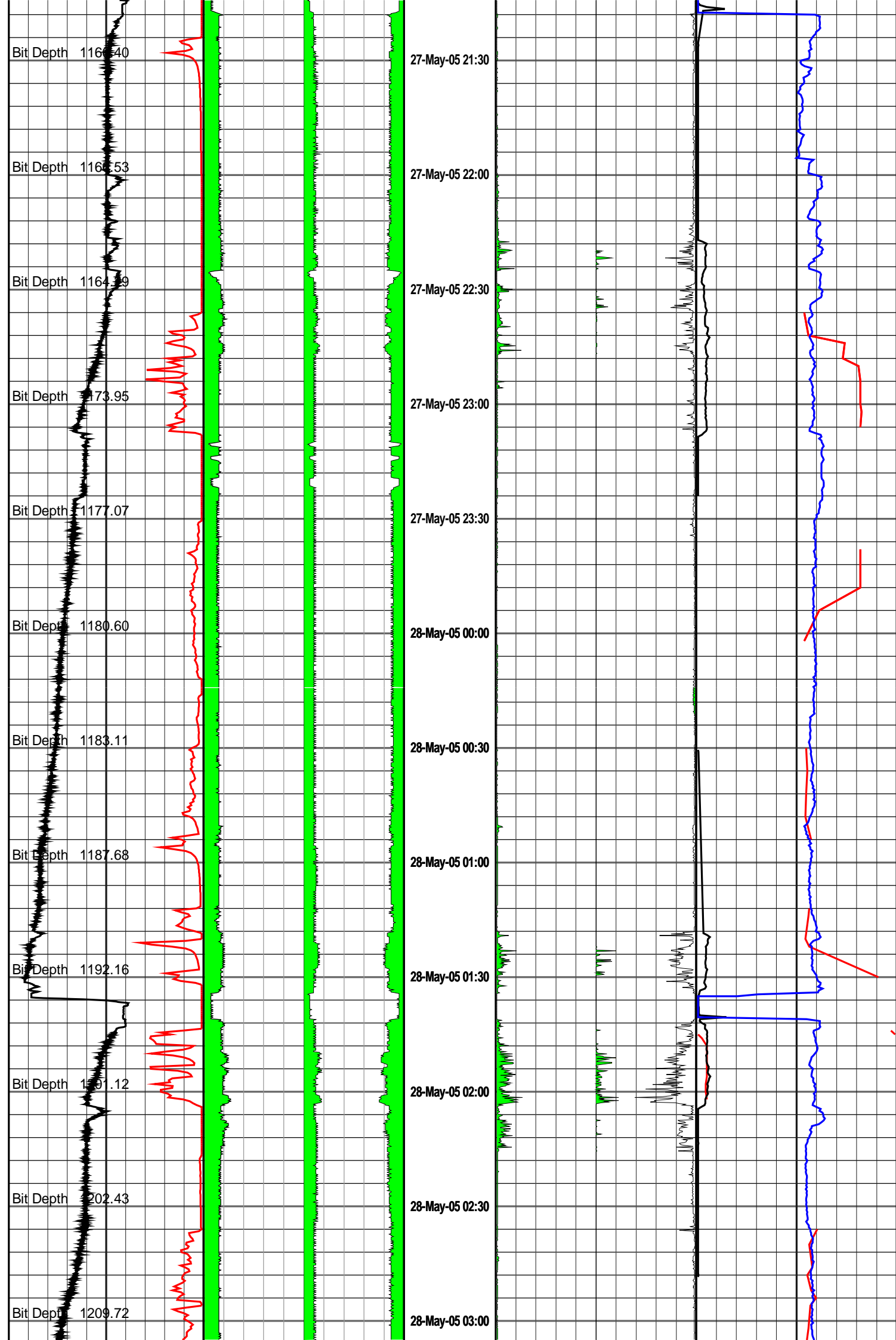
Run 900 : 311 mm Hole Section

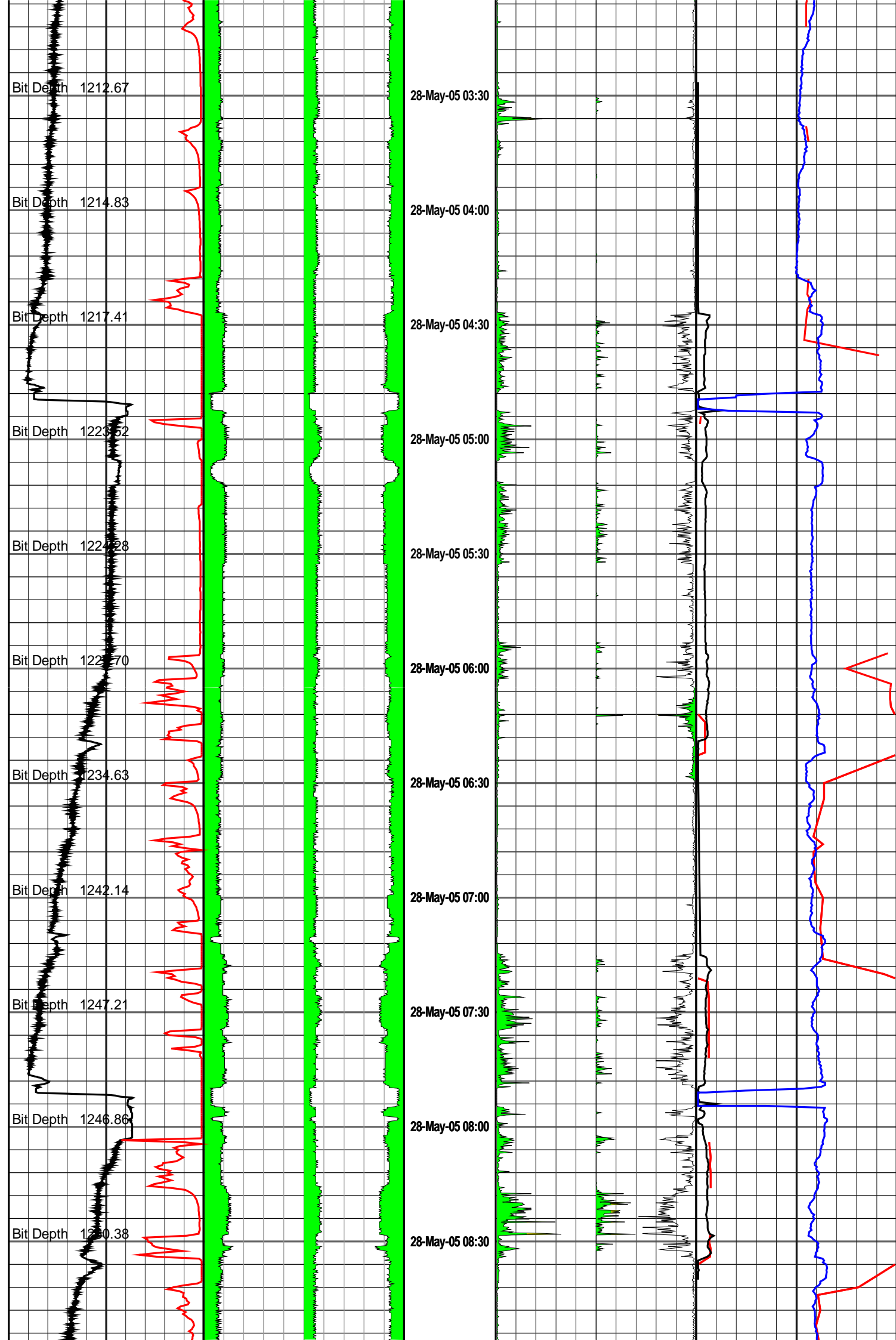
Drilled from 1157.0 - 1274.0 mMDRT

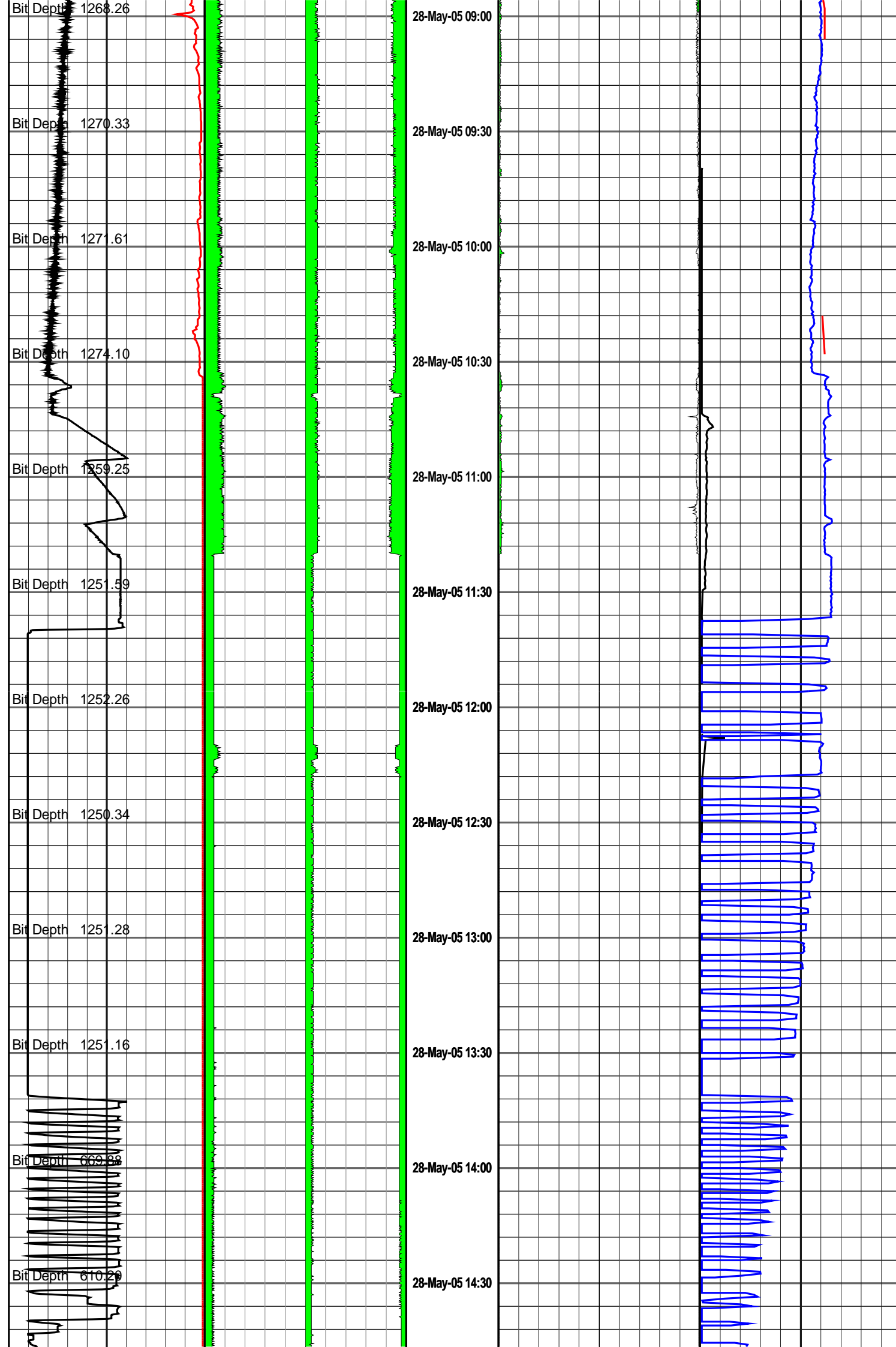
12:00 hrs 27th May to 16:00 hrs 28th May 2005

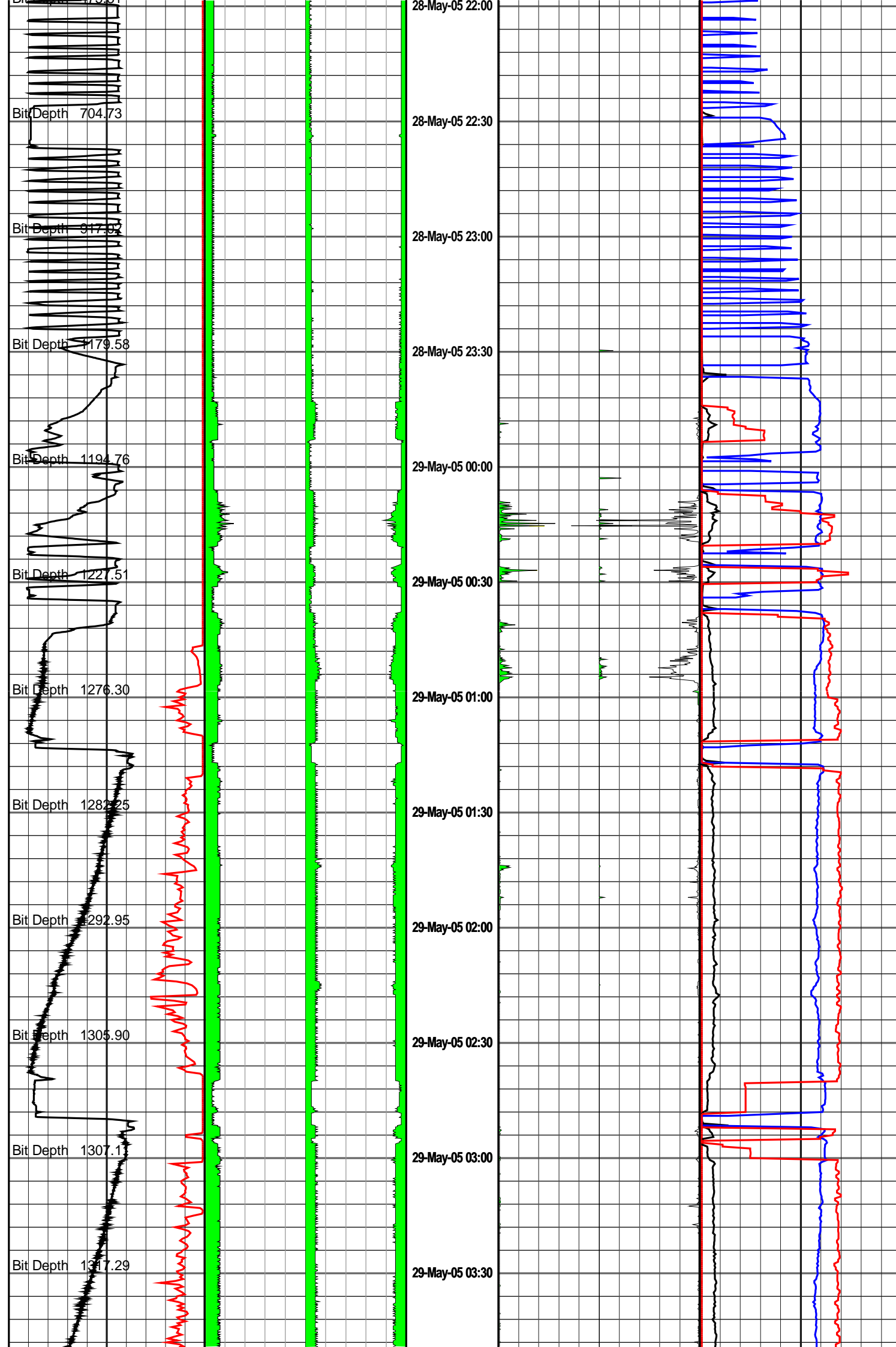
		<div> <div>SAAX</div> <div>020</div> </div>			
		<div> <div>g</div> </div>		<div> <div>SPAX</div> <div>0200</div> </div>	
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<div> <div>metre per hr</div> </div>		<div> <div>g</div> </div>		<div> <div>g</div> </div>	
<div> <div>Block Position</div> <div>060</div> </div>		<div> <div>SAAZ</div> <div>-1010</div> </div>		<div> <div>SPAZ</div> <div>-100100</div> </div>	
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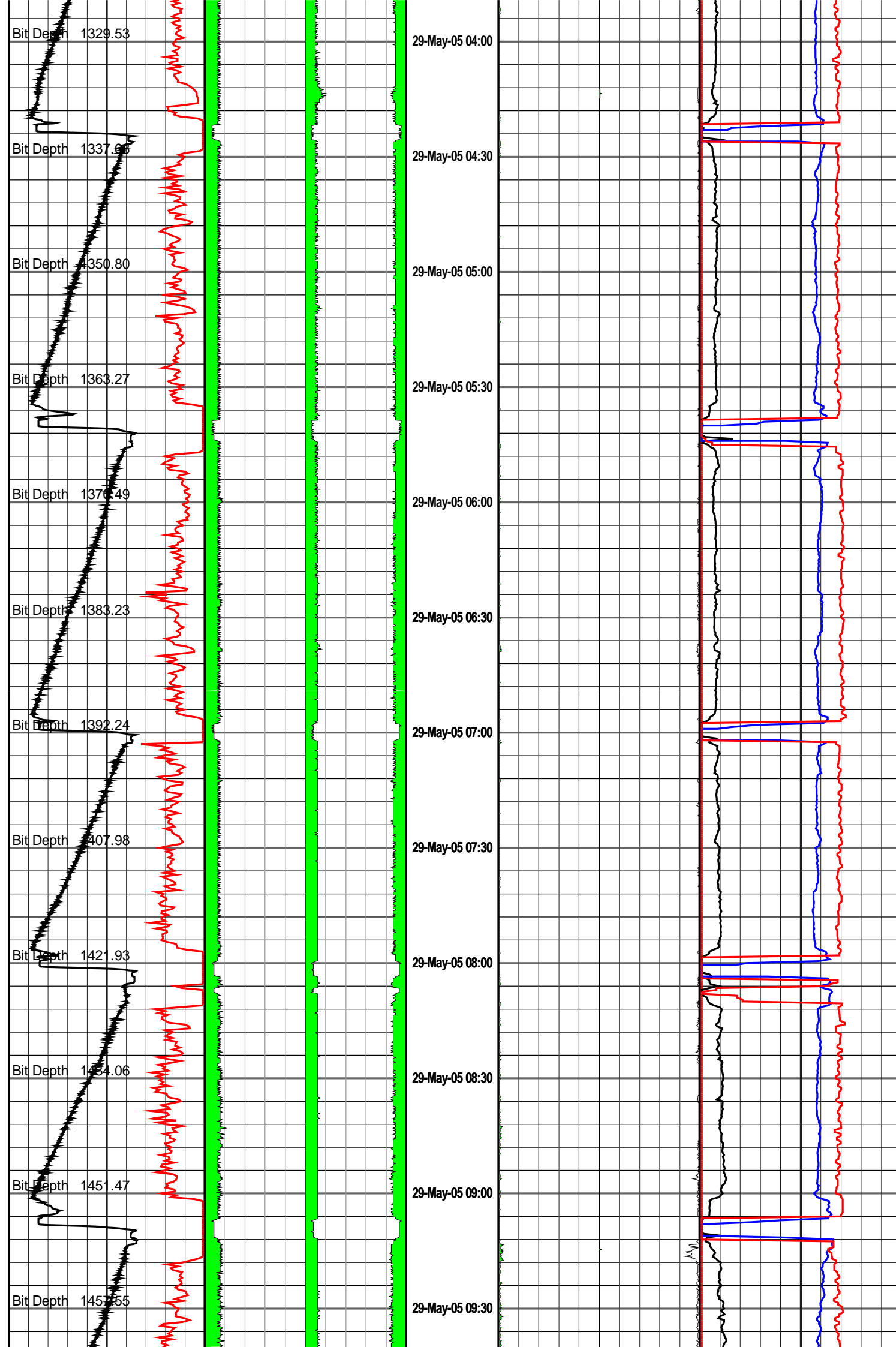


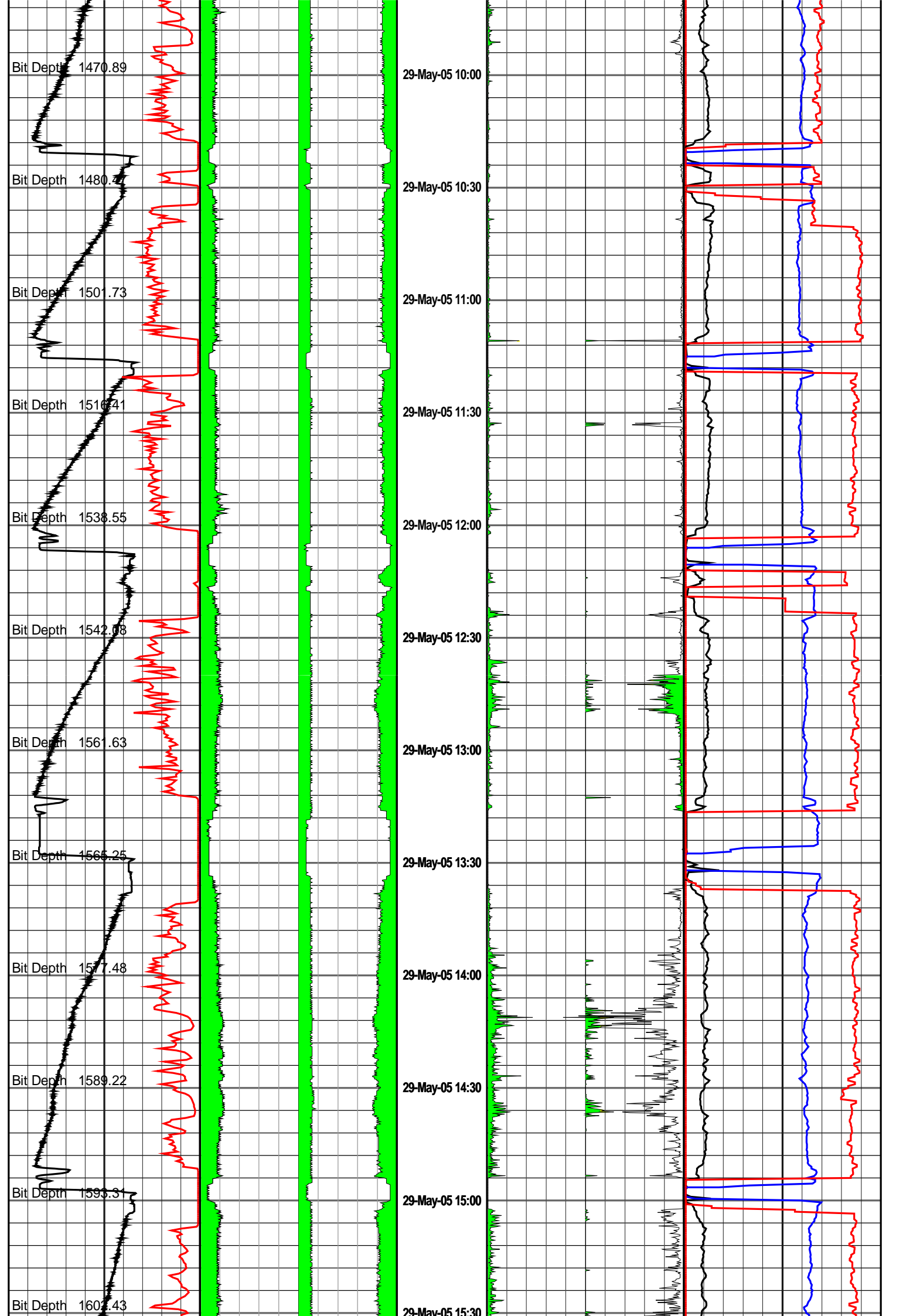


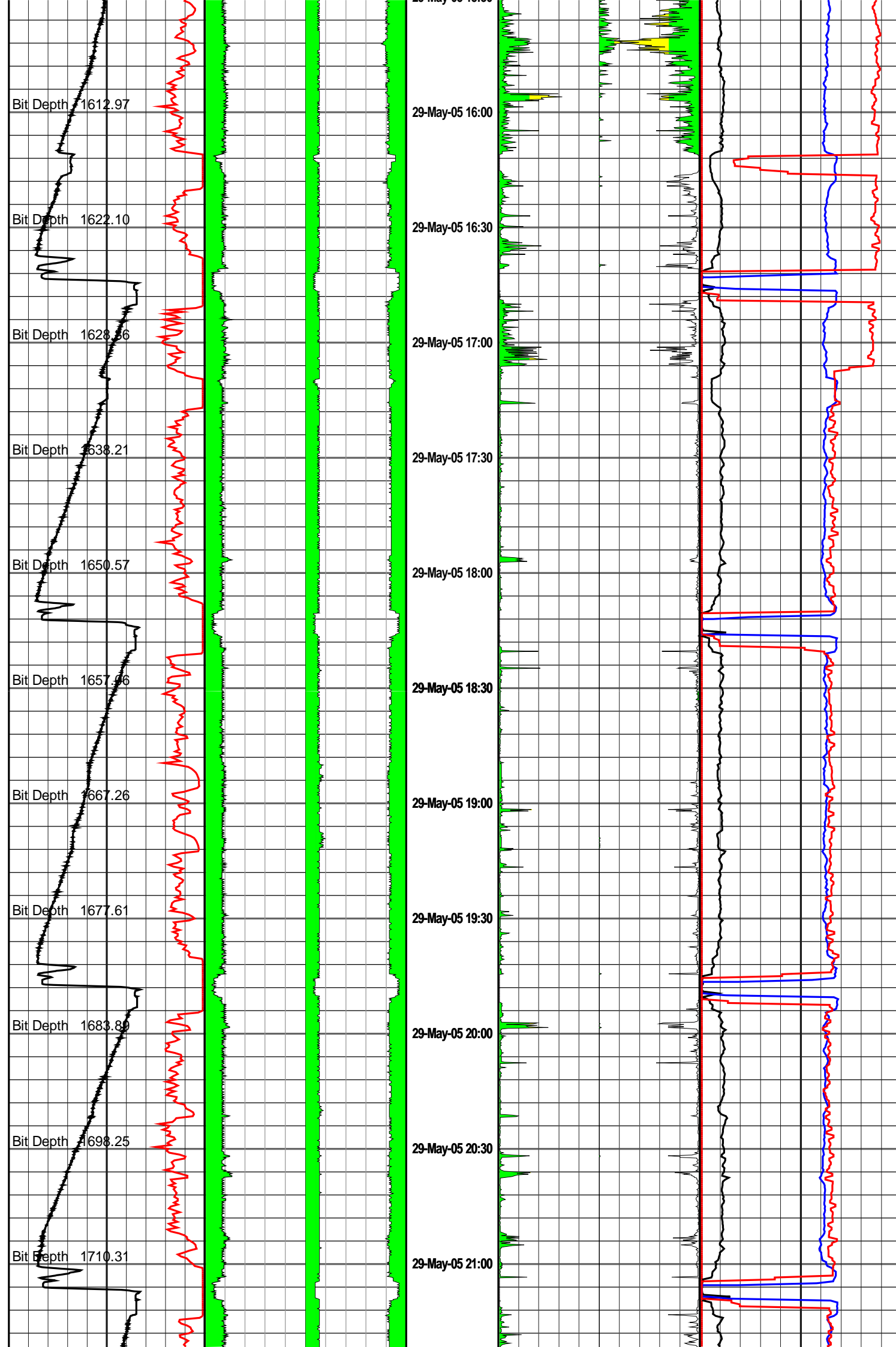


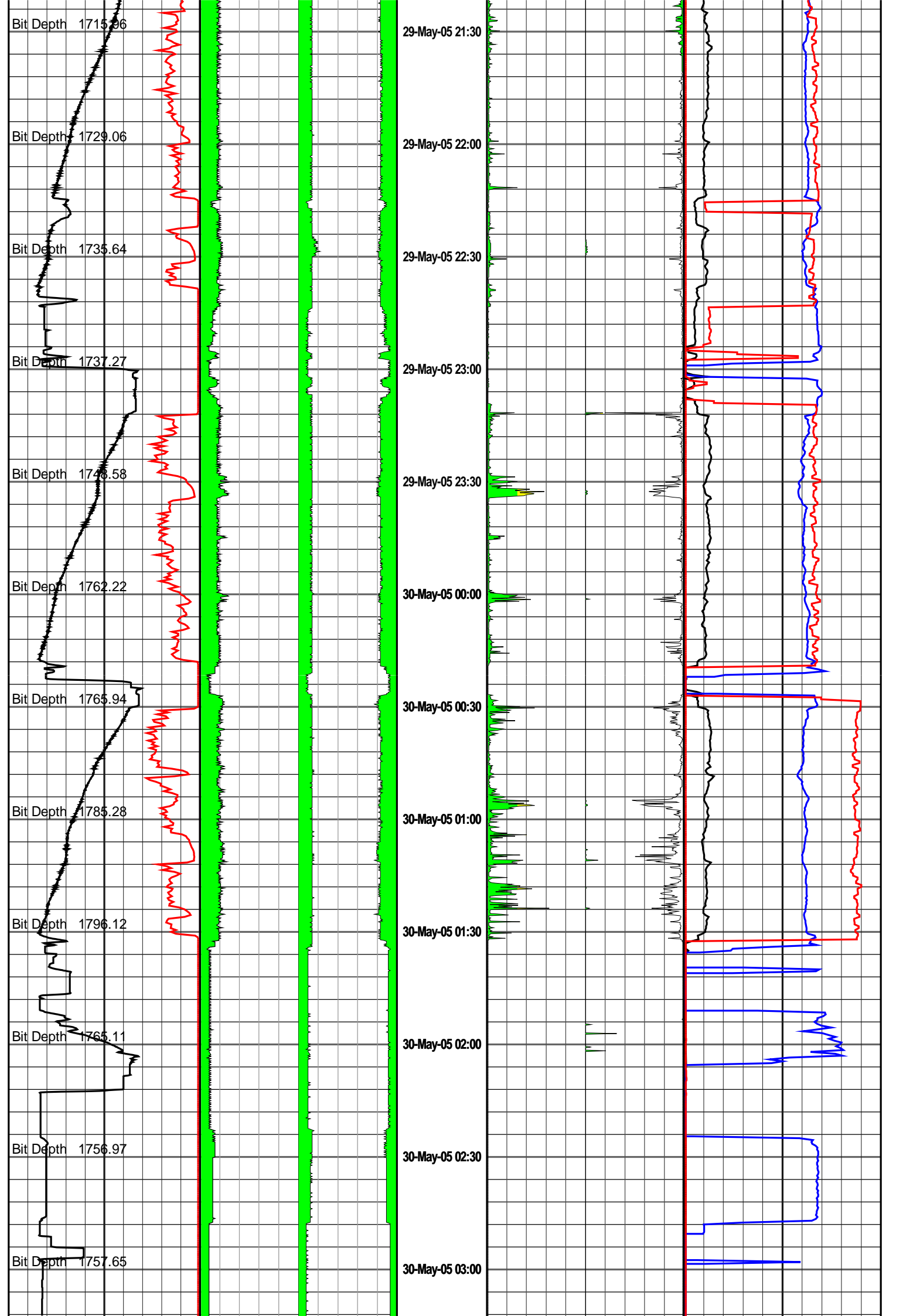


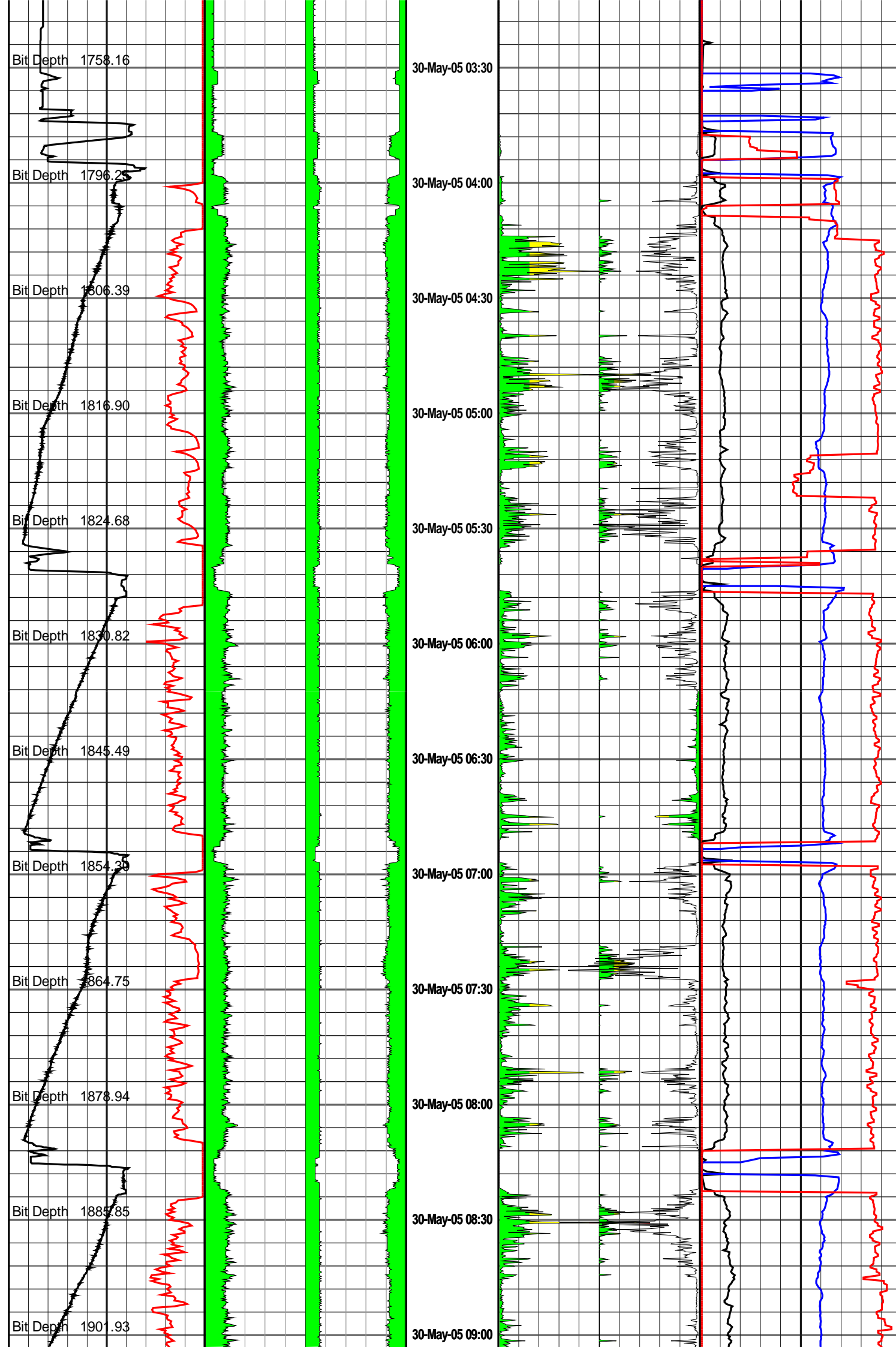


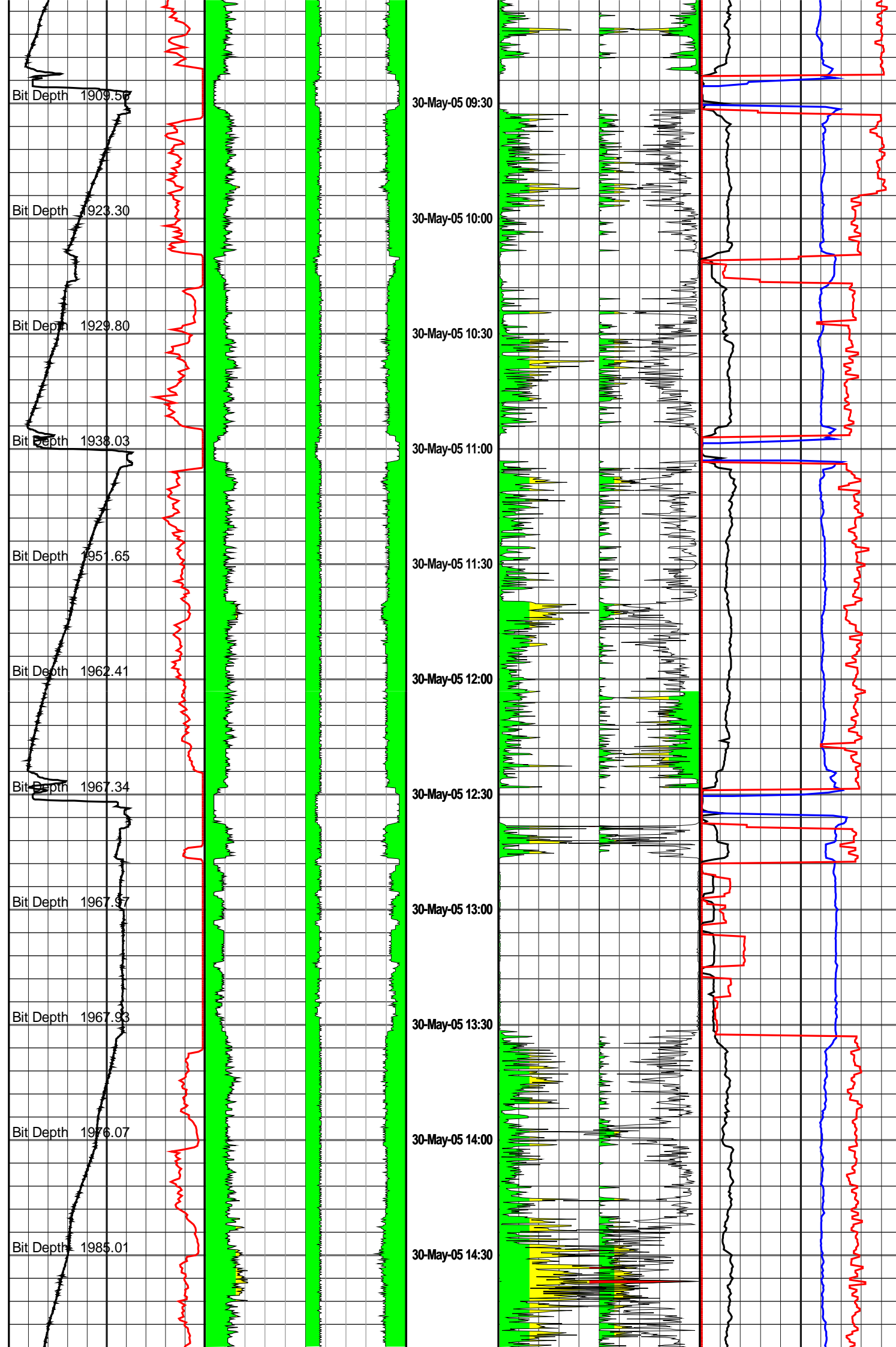


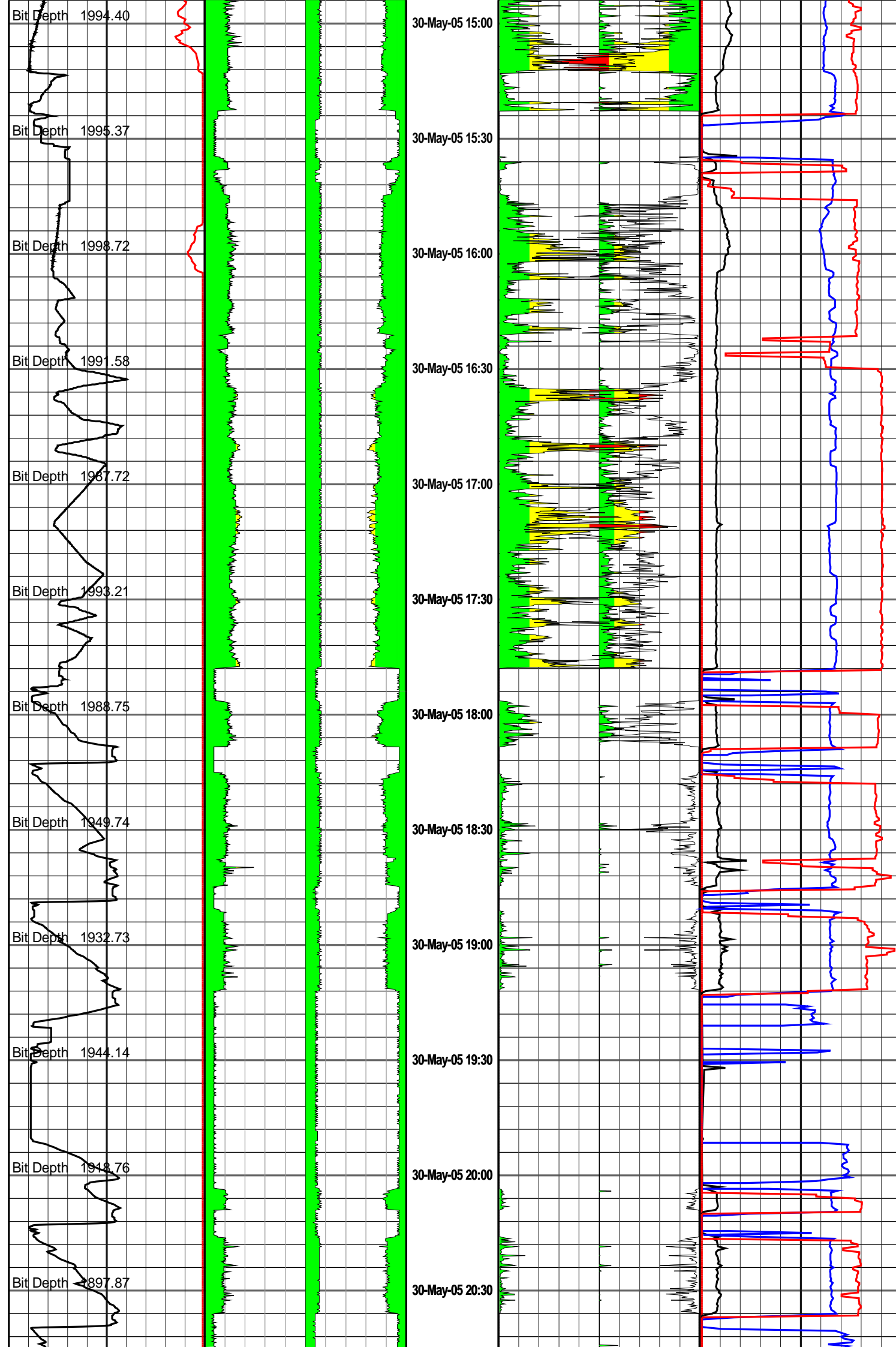


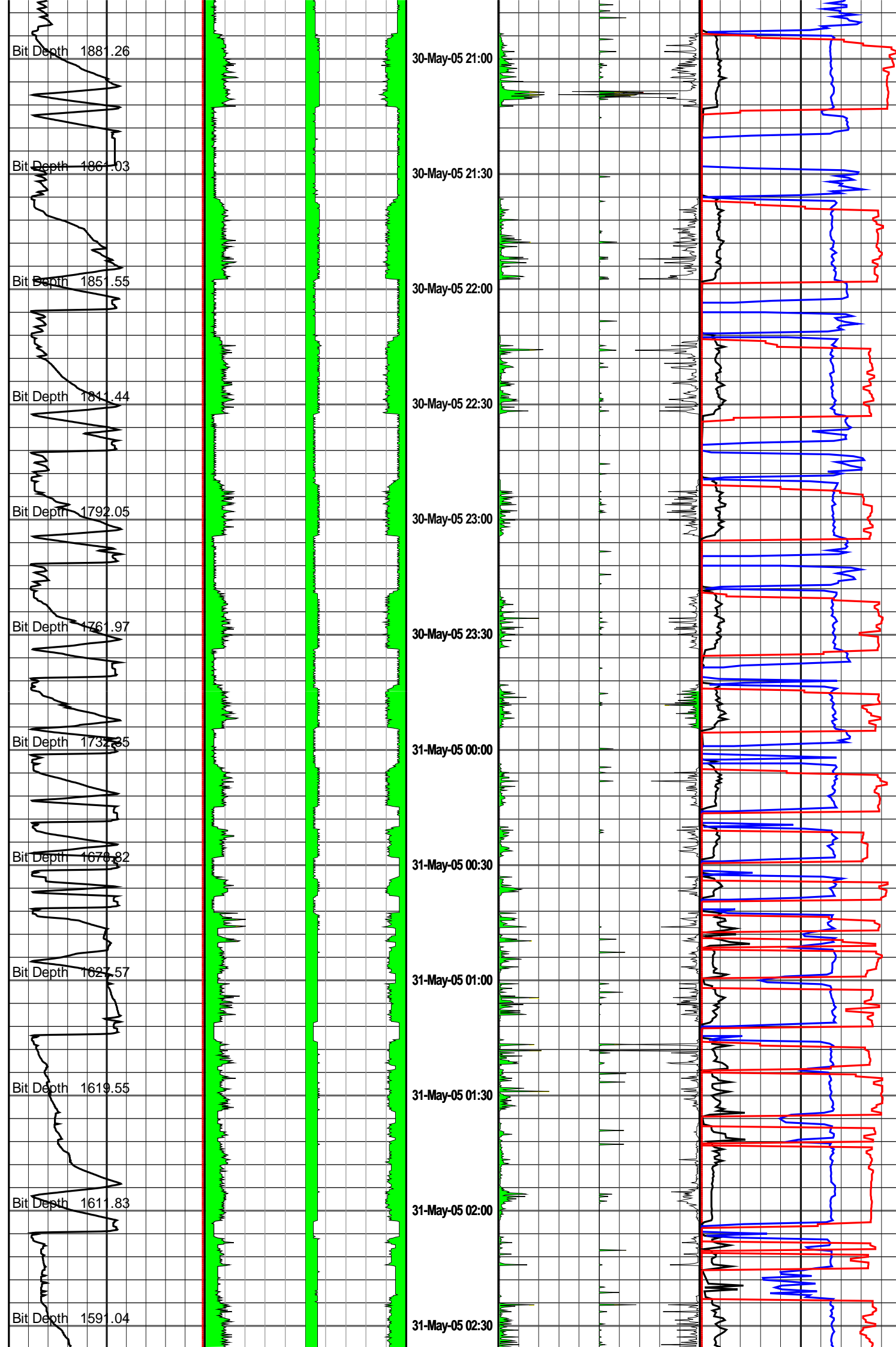


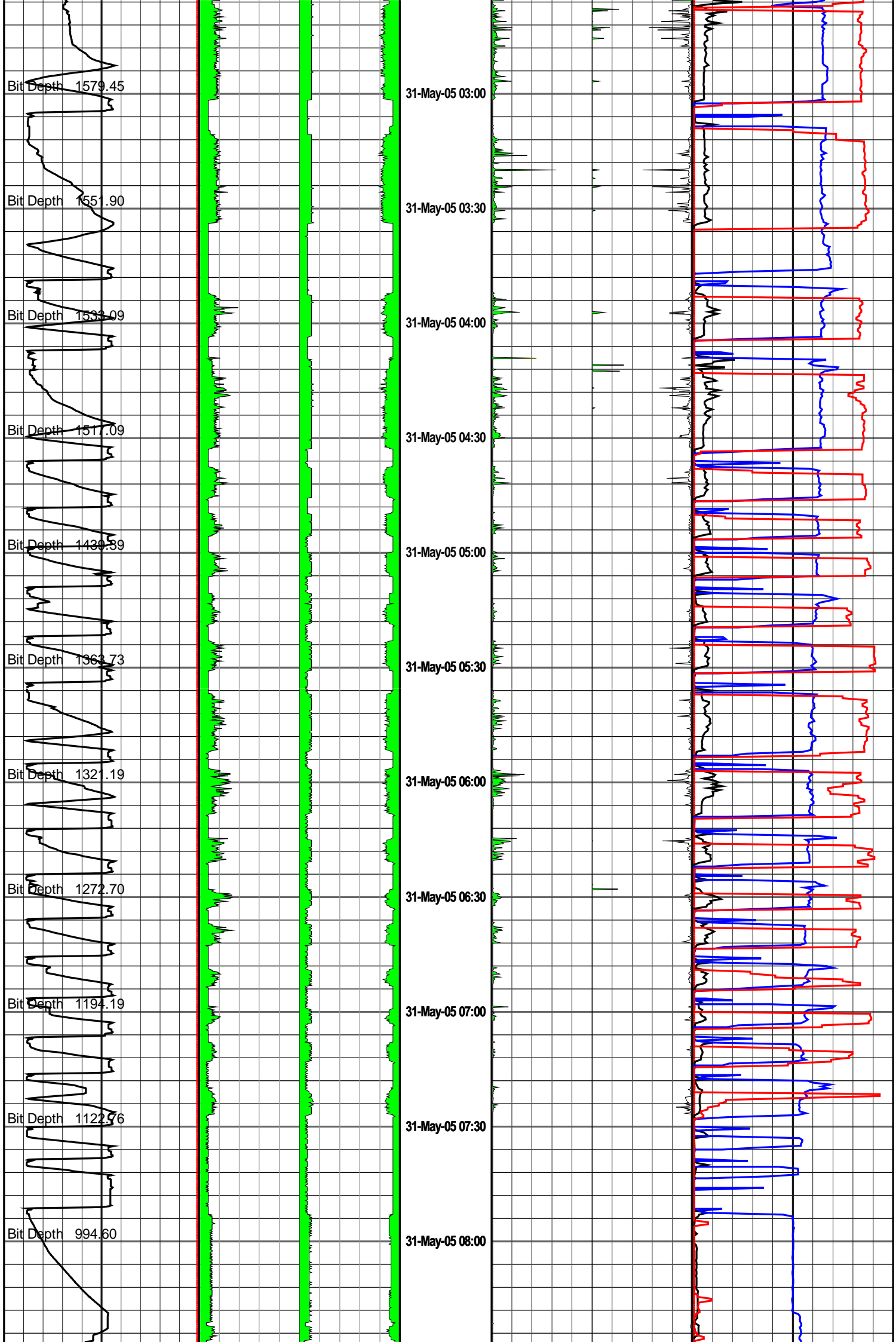


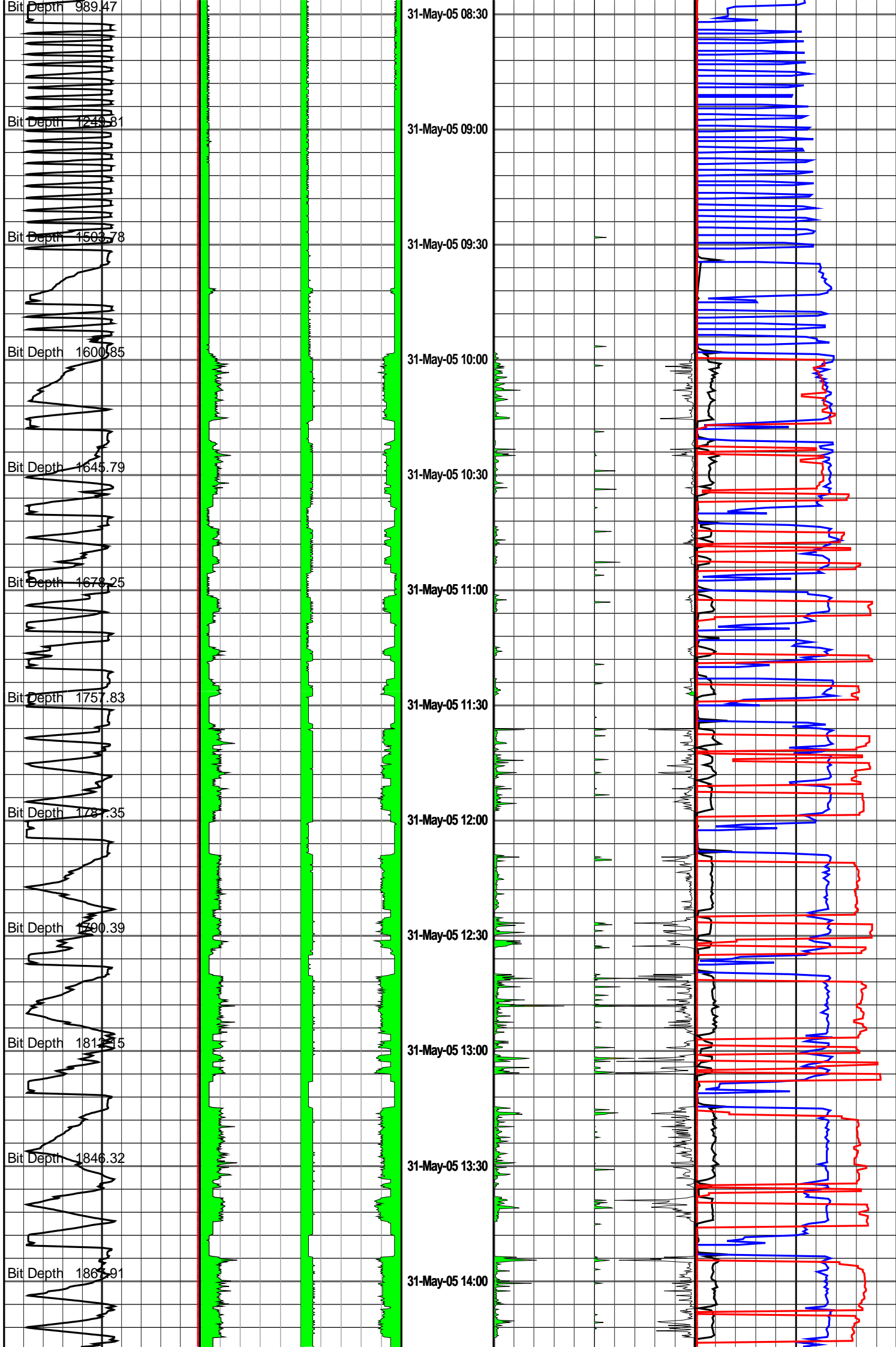


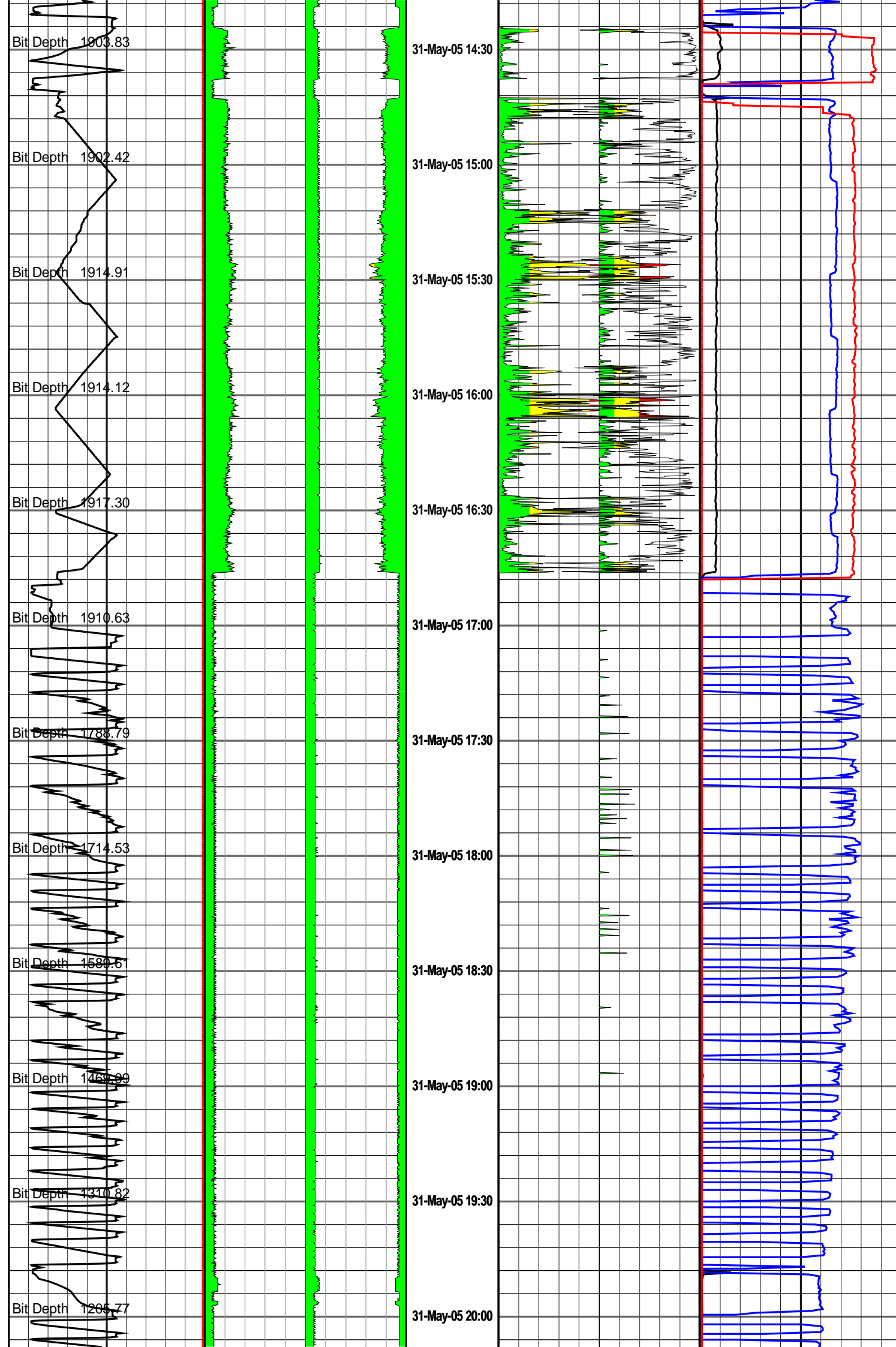


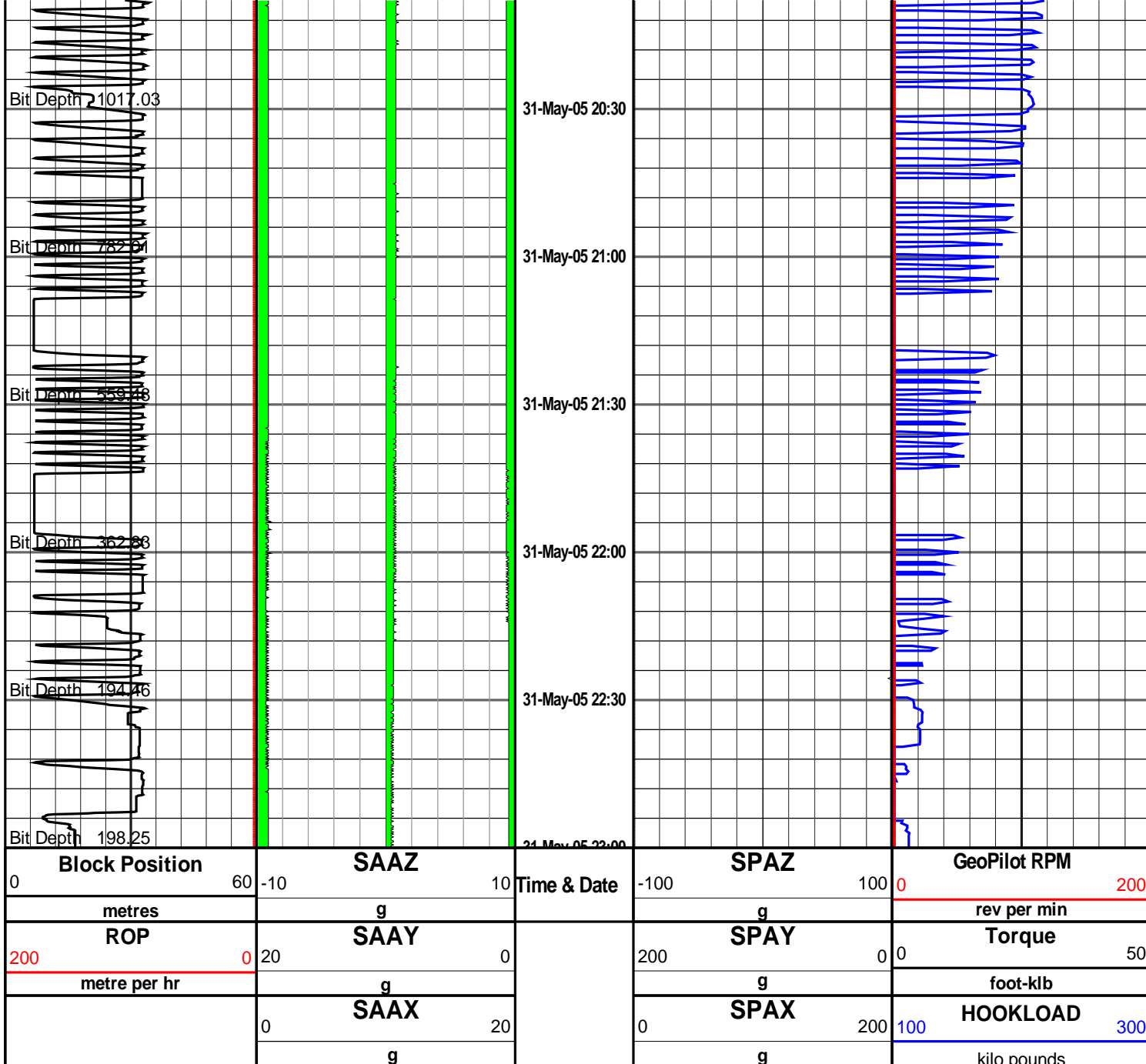












HALLIBURTON

DIRECTIONAL SURVEY REPORT

Santos Ltd
Casino-4DW2
Casino
Victoria
Australia

AU-FE-0003735541

RT to LAT = 22.0m. All surveys corrected for BHA sag.

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
1146.000	4.50	204.71	1145.630	2.700 S	1.750 E	-2.565	TIE-IN
1166.380	5.08	197.94	1165.939	4.285 S	1.138 E	-2.528	1.19
1196.520	6.90	204.40	1195.913	7.203 S	0.021 W	-2.432	1.93
1225.280	9.13	213.00	1224.392	10.691 S	1.978 W	-1.779	2.63
1250.010	10.24	216.17	1248.769	14.111 S	4.344 W	-0.719	1.49

Casino-4DW2

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
1257.460	10.16	218.79	1256.101	15.158 S	5.146 W	-0.320	1.90
1287.270	10.53	234.54	1285.433	18.788 S	9.013 W	2.080	2.86
1314.960	11.47	254.15	1312.623	21.009 S	13.724 W	5.754	4.16
1342.920	12.82	274.39	1339.969	21.531 S	19.494 W	11.002	4.76
1371.810	14.63	289.92	1368.043	20.042 S	26.123 W	17.741	4.25
1403.350	16.96	298.16	1398.394	16.513 S	33.925 W	26.279	3.07
1430.210	19.64	303.85	1423.895	12.148 S	41.130 W	34.539	3.59
1460.580	23.39	309.06	1452.146	5.504 S	50.054 W	45.191	4.15
1487.440	26.26	311.42	1476.522	1.789 N	58.651 W	55.758	3.39
1515.920	30.69	310.65	1501.551	10.696 N	68.895 W	68.422	4.68
1544.450	35.01	308.80	1525.514	20.572 N	80.803 W	82.981	4.66
1574.020	39.48	307.90	1549.047	31.668 N	94.839 W	99.955	4.57
1601.660	43.46	306.39	1569.754	42.710 N	109.431 W	117.434	4.45
1630.500	47.12	305.12	1590.041	54.678 N	126.065 W	137.148	3.92
1659.470	51.07	302.67	1609.008	66.872 N	144.241 W	158.390	4.52
1688.150	54.91	300.23	1626.271	78.807 N	163.778 W	180.823	4.50
1716.830	59.06	298.06	1641.895	90.507 N	184.781 W	204.554	4.74
1745.430	62.89	296.17	1655.770	101.895 N	207.039 W	229.359	4.38
1775.140	65.13	291.82	1668.794	112.742 N	231.430 W	255.986	4.55
1803.180	66.82	288.55	1680.212	121.573 N	255.465 W	281.591	3.67
1832.100	67.00	288.55	1691.554	130.036 N	280.686 W	308.187	0.19
1861.050	70.00	287.81	1702.163	138.438 N	306.274 W	335.107	3.19
1889.710	70.27	288.54	1711.901	146.845 N	331.884 W	362.049	0.77
1918.350	71.02	288.14	1721.393	155.348 N	357.532 W	389.061	0.88
1946.760	73.24	288.85	1730.111	163.925 N	383.173 W	416.090	2.45
1975.040	76.28	287.89	1737.544	172.522 N	409.065 W	443.362	3.37
2020.940	76.66	287.87	1748.282	186.223 N	451.536 W	487.960	0.25
2049.610	78.96	288.67	1754.336	195.009 N	478.144 W	515.971	2.54
2078.360	82.52	288.53	1758.961	204.058 N	505.033 W	544.334	3.72
2107.040	86.73	289.13	1761.647	213.272 N	532.053 W	572.876	4.45
2135.830	87.47	289.13	1763.104	222.695 N	559.218 W	601.627	0.77
2164.510	87.78	290.18	1764.292	232.333 N	586.203 W	630.281	1.14
2193.210	87.78	290.62	1765.404	242.330 N	613.083 W	658.959	0.46
2221.710	87.29	289.70	1766.630	252.143 N	639.812 W	687.432	1.10
2250.280	85.93	289.24	1768.319	261.649 N	666.700 W	715.950	1.51
2279.030	86.30	289.25	1770.267	271.104 N	693.781 W	744.632	0.39
2307.850	85.37	288.38	1772.360	280.374 N	720.988 W	773.370	1.32
2336.650	82.20	287.82	1775.478	289.268 N	748.198 W	801.983	3.35
2365.230	80.01	287.52	1779.897	297.838 N	775.101 W	830.196	2.32
2394.210	79.83	287.71	1784.969	306.473 N	802.296 W	858.706	0.27
2404.000	79.83	287.71	1786.697	309.404 N	811.475 W	868.335	0.00

CALCULATION BASED ON MINIMUM CURVATURE METHOD

SURVEY COORDINATES RELATIVE TO WELL SYSTEM REFERENCE POINT
TVD VALUES GIVEN RELATIVE TO DRILLING MEASUREMENT POINT

VERTICAL SECTION RELATIVE TO WELL HEAD
VERTICAL SECTION IS COMPUTED ALONG A DIRECTION OF 289.90 DEGREES (GRID)
A TOTAL CORRECTION OF 12.01 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED

HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 2404.000 METRES
IS 868.460 METRES ALONG 290.87 DEGREES (GRID)

MWD RUN 800 - BHA

MWD RUN 800 - MWD

Date Printed: 29 June 2005

HWDP

Component
Length
(m)

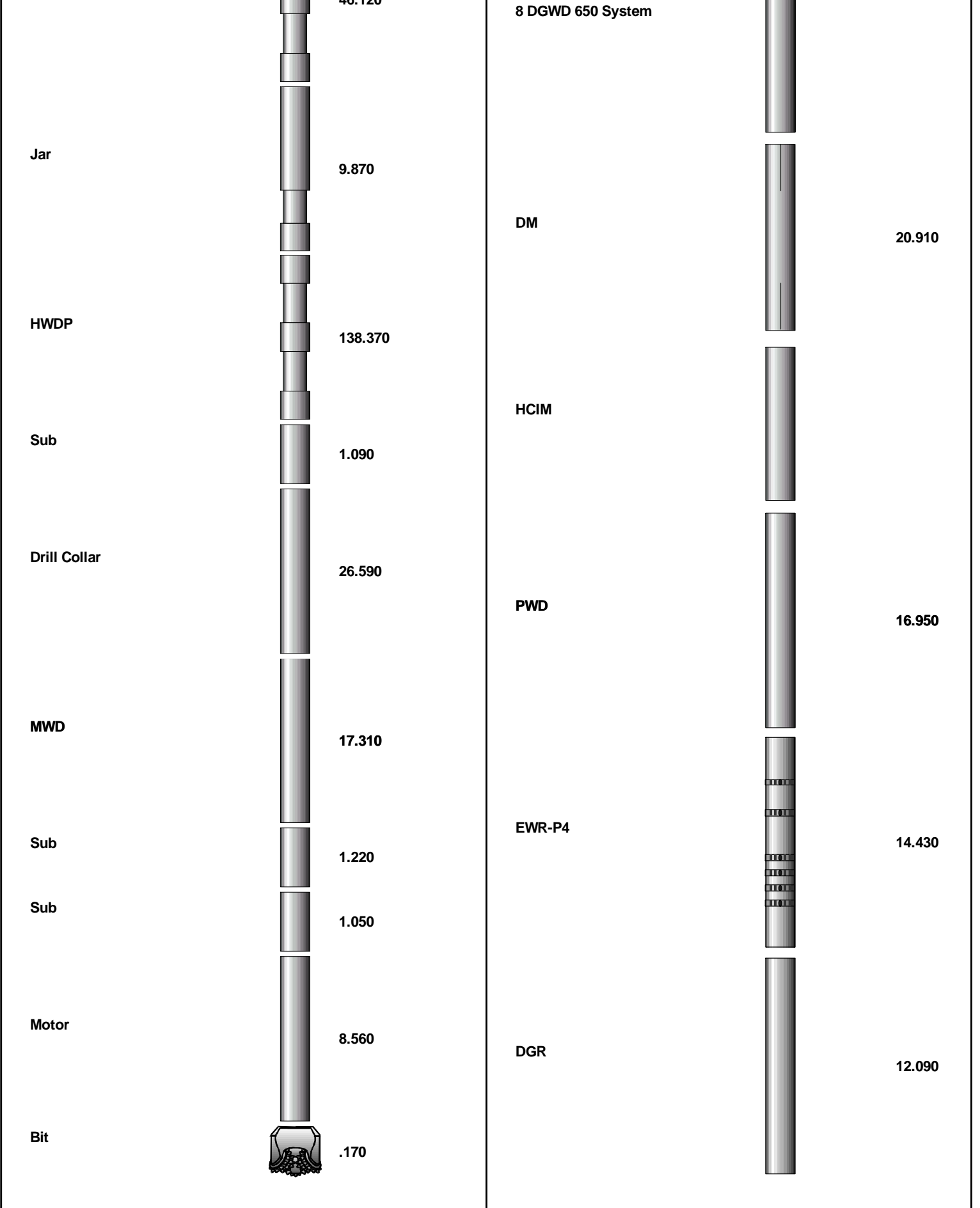


46.120

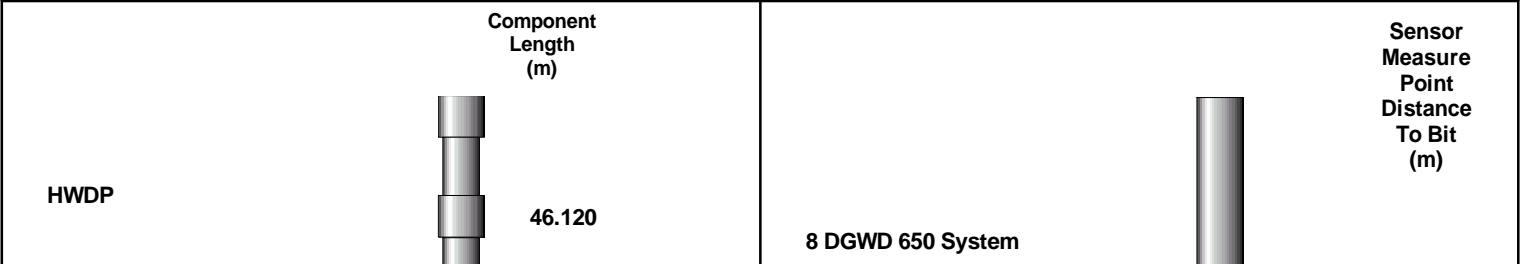
Sensor
Measure
Point
Distance
To Bit
(m)

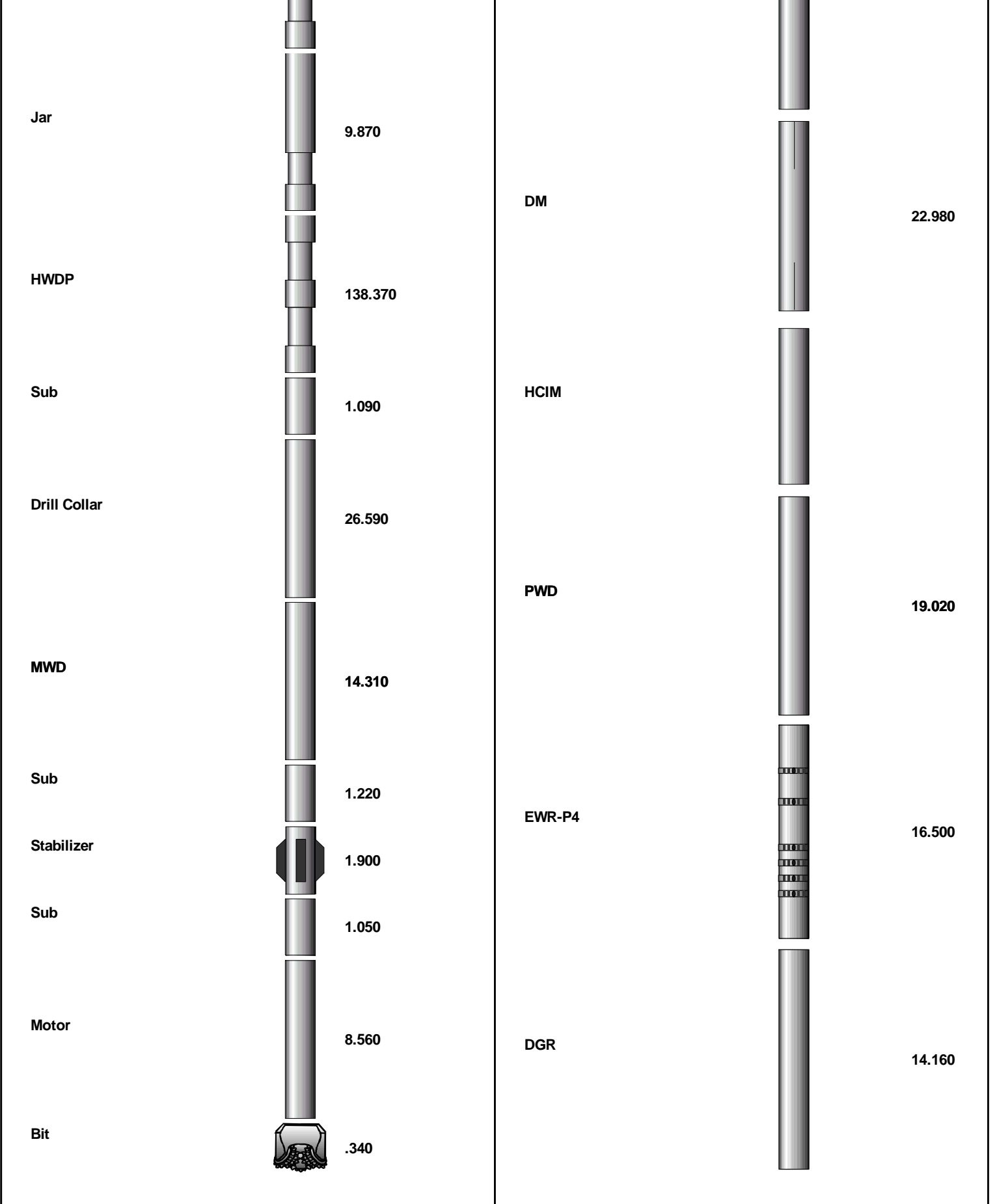


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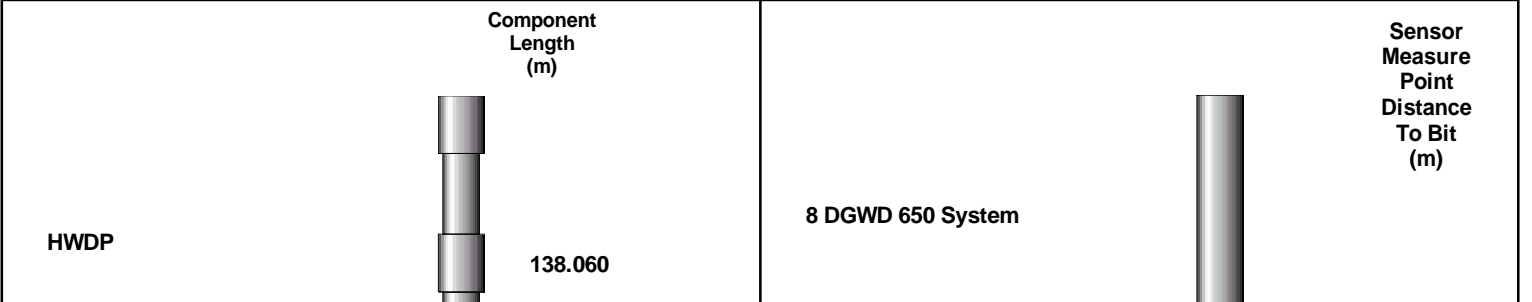


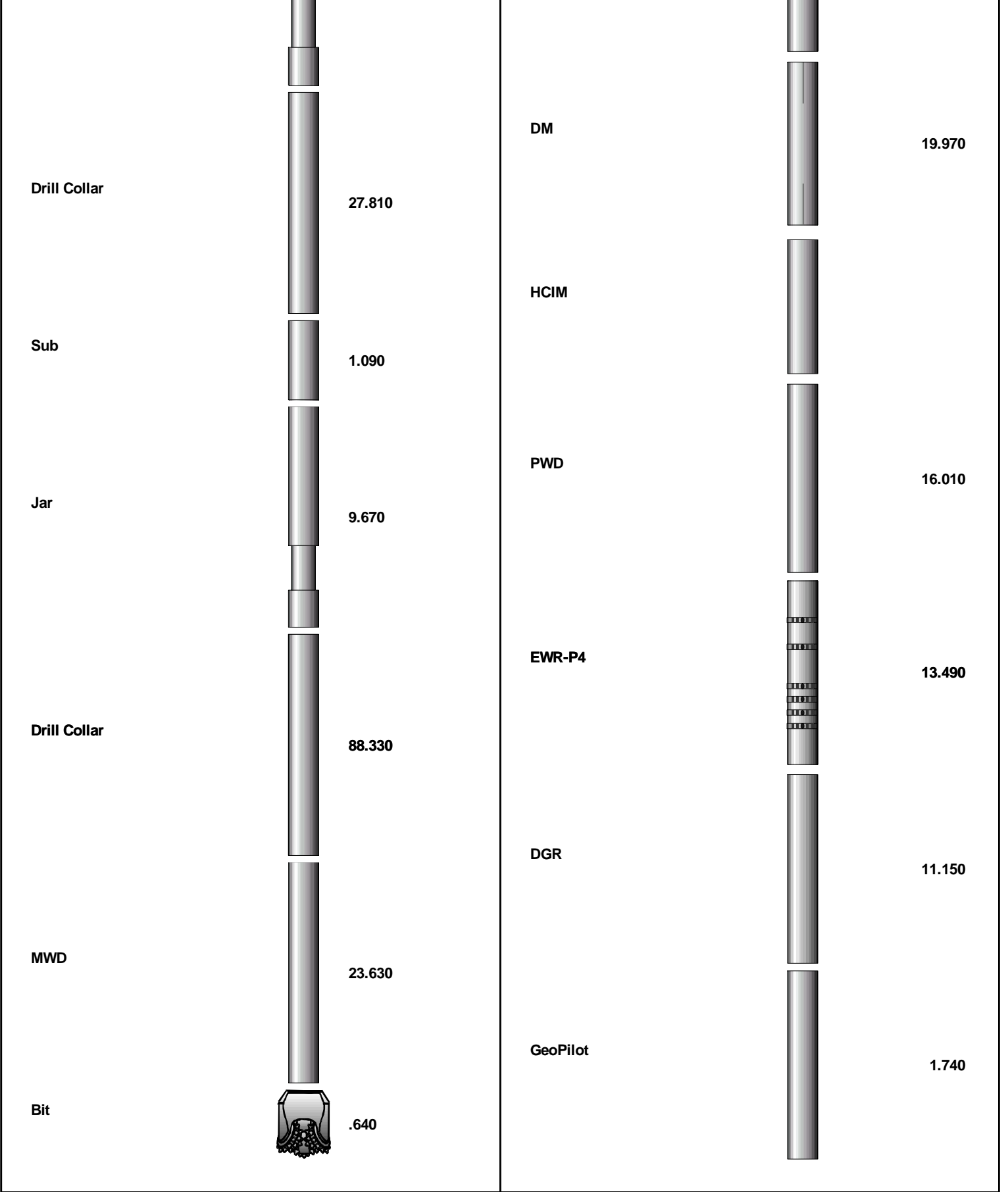
MWD RUN 900 - BHA	MWD RUN 900 - MWD
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MWD RUN 1000 - BHA	MWD RUN 1000 - MWD
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MWD RUN 1100 - BHA	MWD RUN 1100 - MWD
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