

**WILD**

DDS Drillstring Dynamics Sensor

Permanent Datum	: LAT	Elevation :	0.00 m	Elev.	KB
Log Measured From	: Drill Floor	21.50 m	Above Permanent Datum	DF	21.50 m
Drilling Measured From	: Drill Floor	TIME LOG		GL	68.20 m
				WD	
Depth Logged	: 665.00 m	To	1,806.00 m	Unit No.	: 197
Date Logged	: 16-Jun-05	To	28-Jun-05	Job No. :	AU-FE-000353053
Total Depth MID	: 1,806.00 m	TVD:	1,801.96 m	Plot Type	: Final
Spud Date	: 16-Jun-05	Plot Date	: 04-Jul-05		

[illegible]

WELL INFORMATION					
MWD Run Number	200				
Date run completed	23-Jun-05				
Rig Bit Number	3				
Bit Size (mm)	311				
Tool Nominal OD (mm)	203				
Log Start Depth (MD, m)	665.0				
Log End Depth (MD, m)	1,160.0				
Drill or Wipe	Drilling				
Drill/Wipe Start Date and Time	22-Jun-05 12:00				
Drill/Wipe End Date and Time	24-Jun-05 15:16				
Min Inc (deg) @ Depth (MD, m)	0.56 @ 712.41				
Max Inc (deg) @ Depth (MD, m)	5.74 @ 1,067.61				
Bit TFA(in2) / Bit Type	1.052 / Smith GS04BDV				
Flow Rate (gpm)	990				
Max AV (mpm) / CV (mpm) @ MWD	92.9 / 125.9				
Fluid Type	KCl / Polymer				
Density (sg) / Viscosity (spqt)	1.2 / 55.00				
Filtrate CL (ppm)	42,000				
pH / Fluid Loss (mptm)	9 / 4.8				
PV (cp) / YP (lhf2)	15 / 26				
% Solids / % Sand	9 / 1				
% Oil / Oil:Water Ratio	0 / N/A				
Rm @ Measured Temp (degC)	0.12 @ 20.00				
Rmf @ Measured Temp (degC)	0.08 @ 20.00				
Rmc @ Measured Temp (degC)	0.17 @ 20.00				
Max Tool Temp (degC) / Source	49.40 / EWR				
Rm @ Max Tool Temp (degC)	0.07 @ 49.40				
Lead MWD Engineer	A.Rule				
Customer Representative	R.Buitenhuis				

SENSOR INFORMATION

Downhole Processor Information

Tool Type	HCIM				
Software Version	68.18				
Sub Serial Number	198839				
Insert Serial Number	91232				
Logging String Serial Number	DM90072859				
Date and Time Initialized	22-Jun-05 05:44				
Date and Time Read	24-Jun-05 01:44				

Directional Sensor Information

Tool Type	PM				
Distance From Bit (m)	16.13				
Software Version	N/A				
Sub Serial Number	022759				
Sonde Serial Number	134019				
Sensor ID Number	500				
Survey String Serial Number	90074559				
Toolface Offset (deg)	N/A				

Drillstring Dynamics Sensor Information

Tool Type	DDS				
Distance From Bit (m)	0				
Recorded Sample Period (sec)	12				
Software Version	0.37				
Sub Serial Number	196051				
Insert Serial Number	132474				
Sensor ID Number	699				

REMARKS

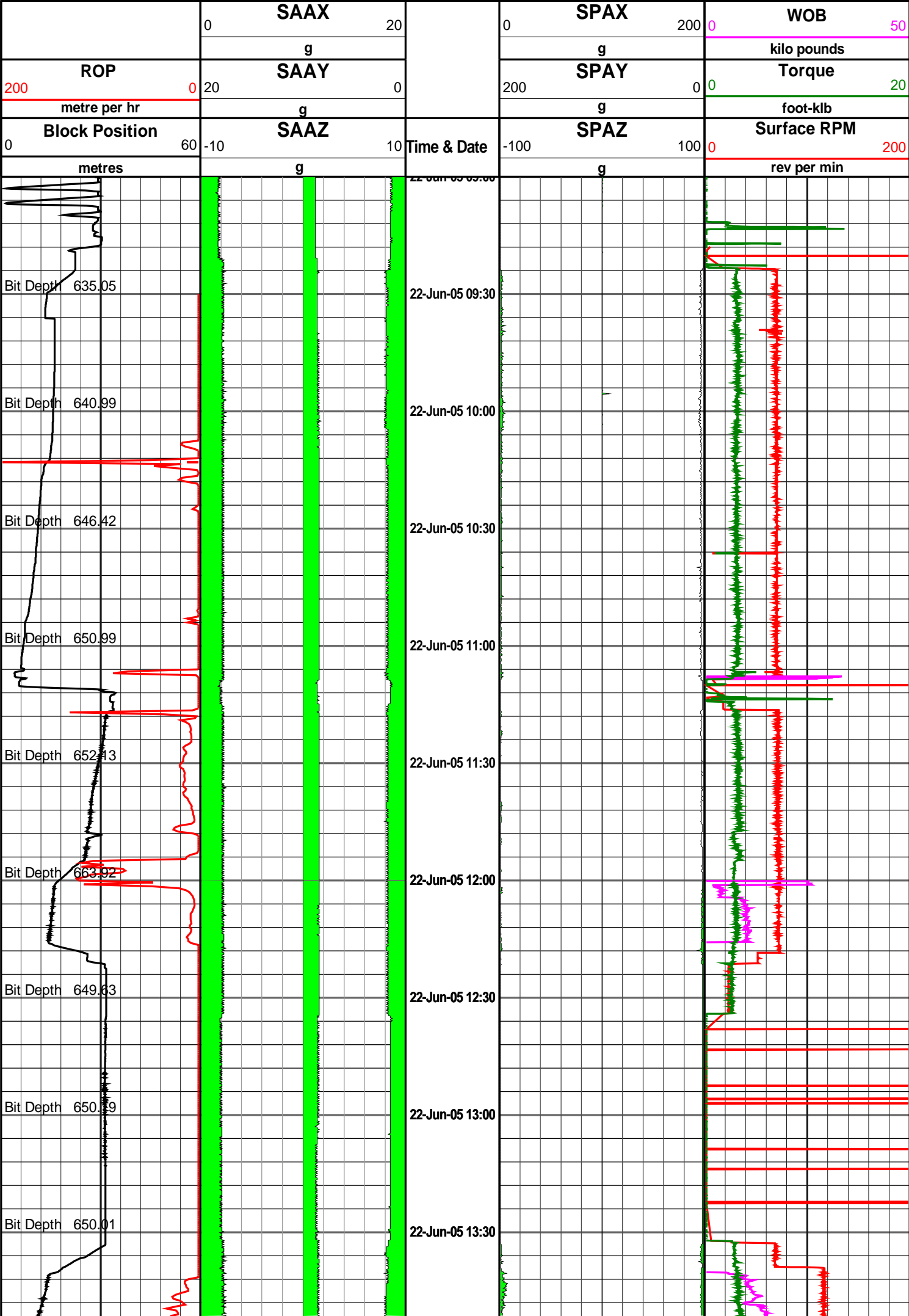
1. All depths are bit depths and referenced to the drillers pipe tally.
2. AV/CV is calculated at the MWD collar using the Powers Law for water based muds and is in m/min.
3. Curve mnemonics are:
 - SROP - Smoothed Rate of Penetration, m/hr
 - SAAX - Smoothed Average X-Axis Accelerometer, g's
 - SAAY - Smoothed Average Y-Axis Accelerometer, g's
 - SAAZ - Smoothed Average Z-Axis Accelerometer, g's
 - SPAX - Smoothed Peak X-Axis Accelerometer, g's
 - SPAY - Smoothed Peak Y-Axis Accelerometer, g's
 - SPAZ - Smoothed Peak Z-Axis Accelerometer, g's
 - WOB - Weight on Bit, klb
 - RPM - Surface Drillstring Revolutions Per Minute, rpm
 - TORQUE - Surface Torque, ft-klbs
4. No Data from 00:50 - 02:40 hrs on 23rd June 2005 due to the tool resetting itself after high vibration caused an error.

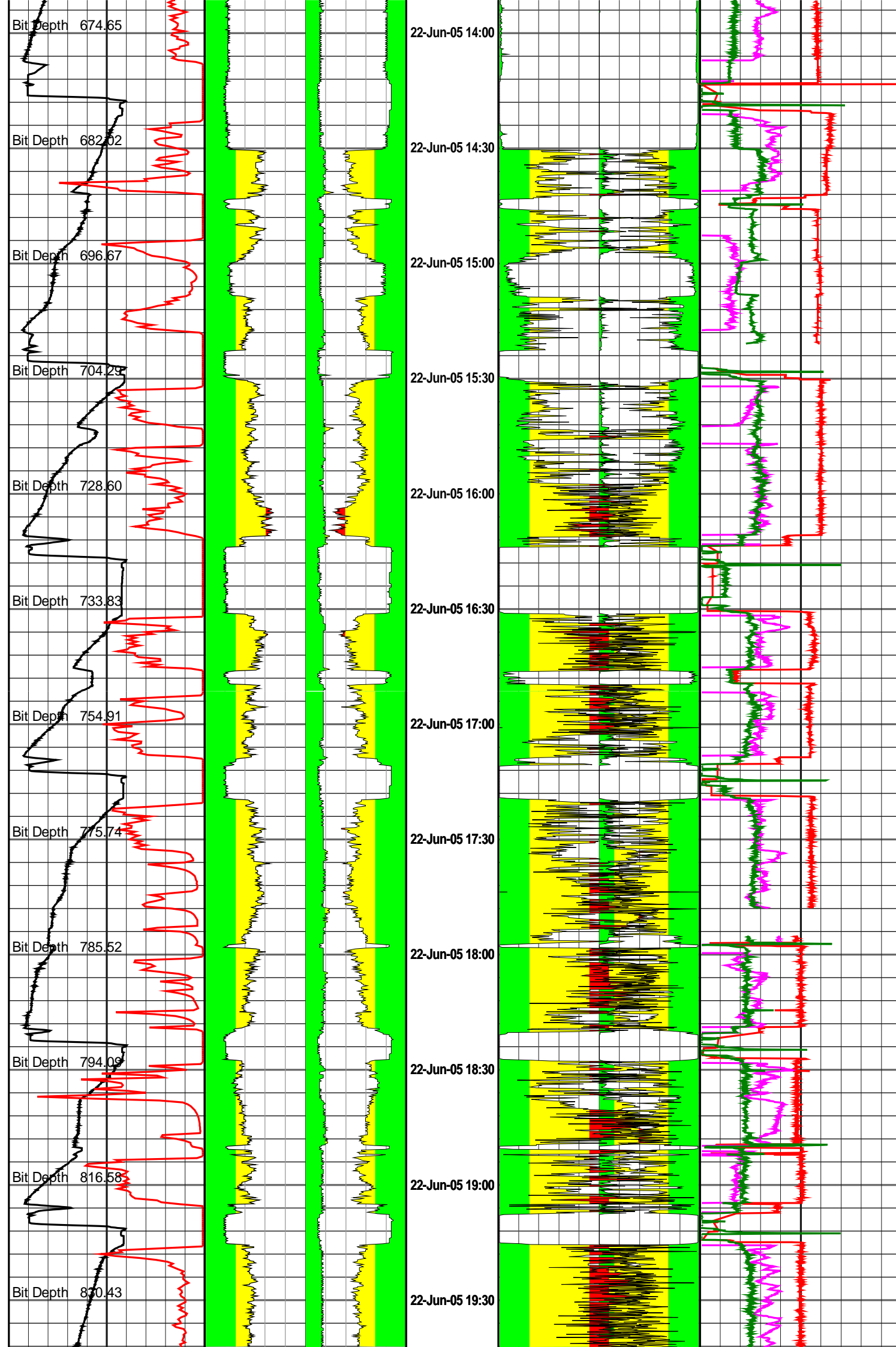
WARRANTY

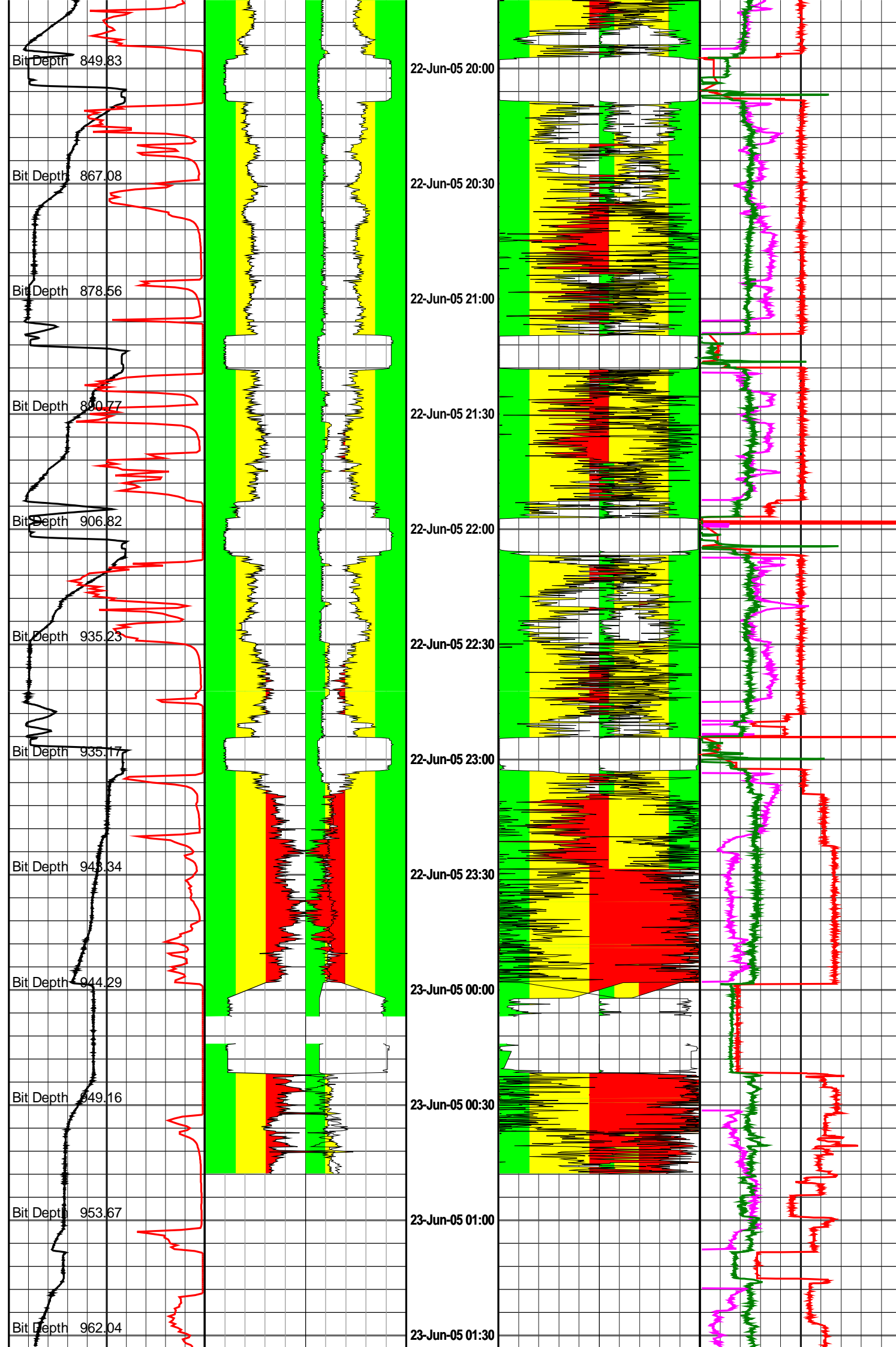
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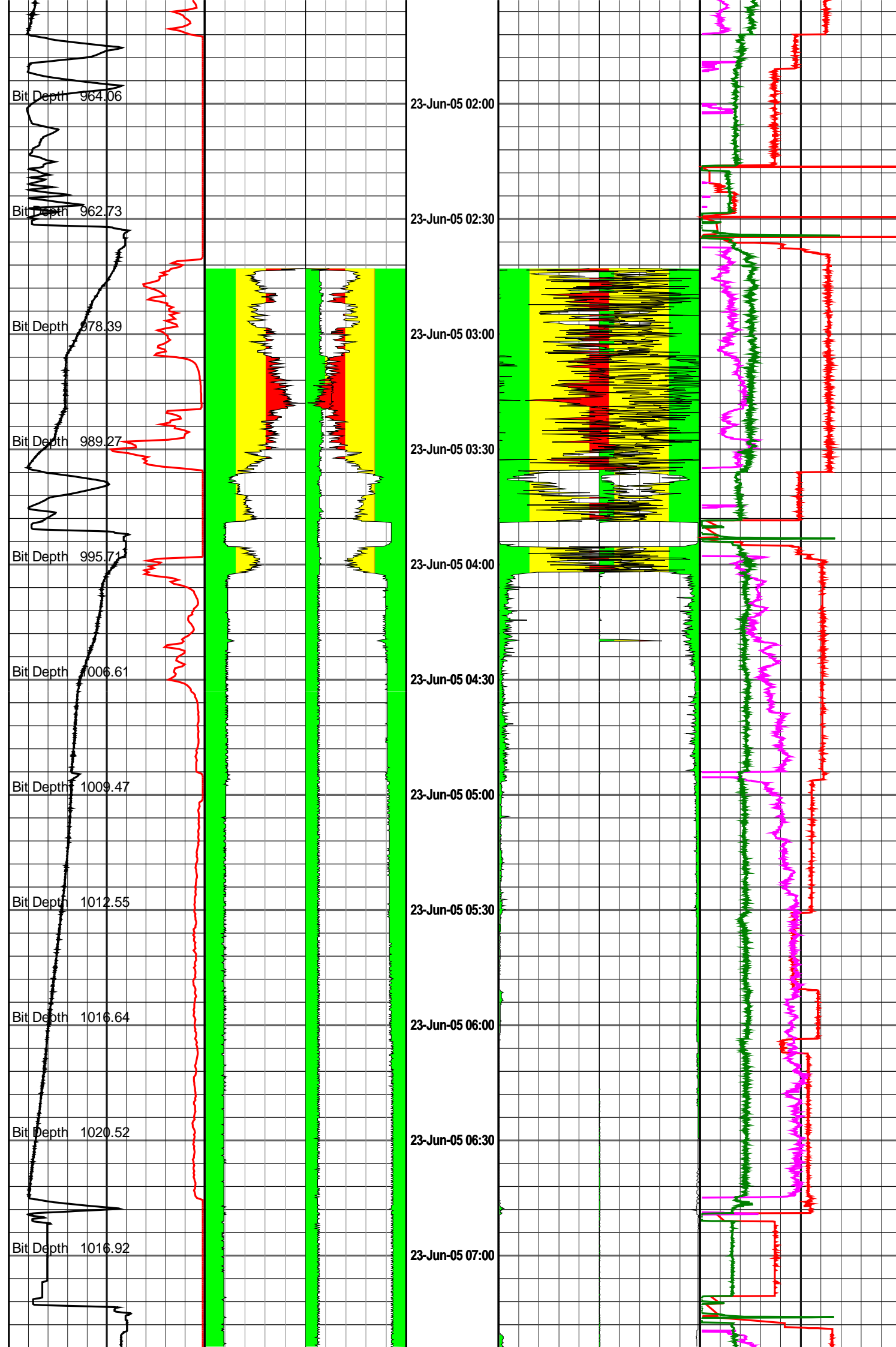
Run 200 : 311 mm Hole Section**Drilled from 665.0 to 1160.0 mMDRT**

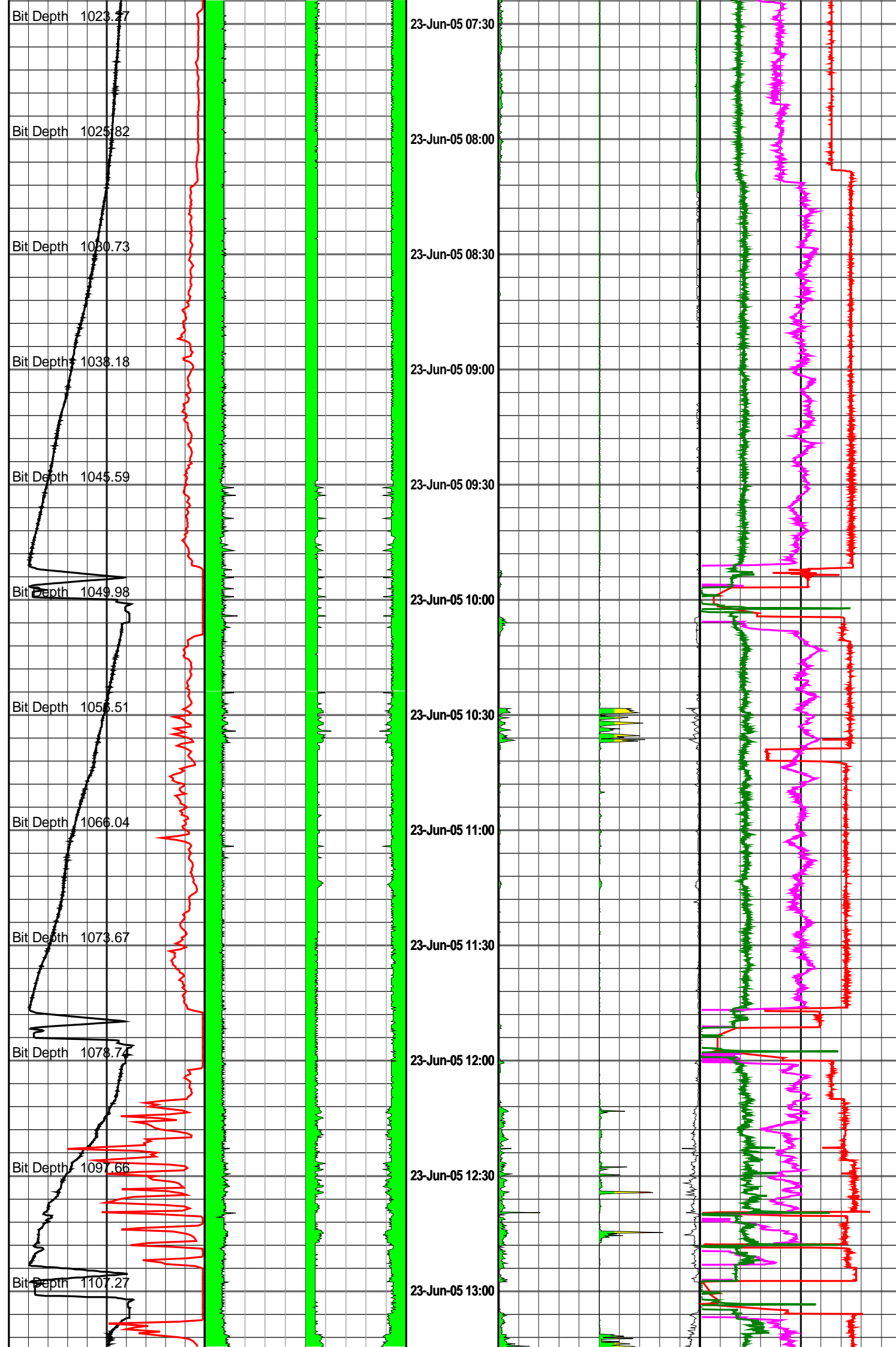
09:00 hrs 22nd June to 21:00 hrs 23rd June 2005

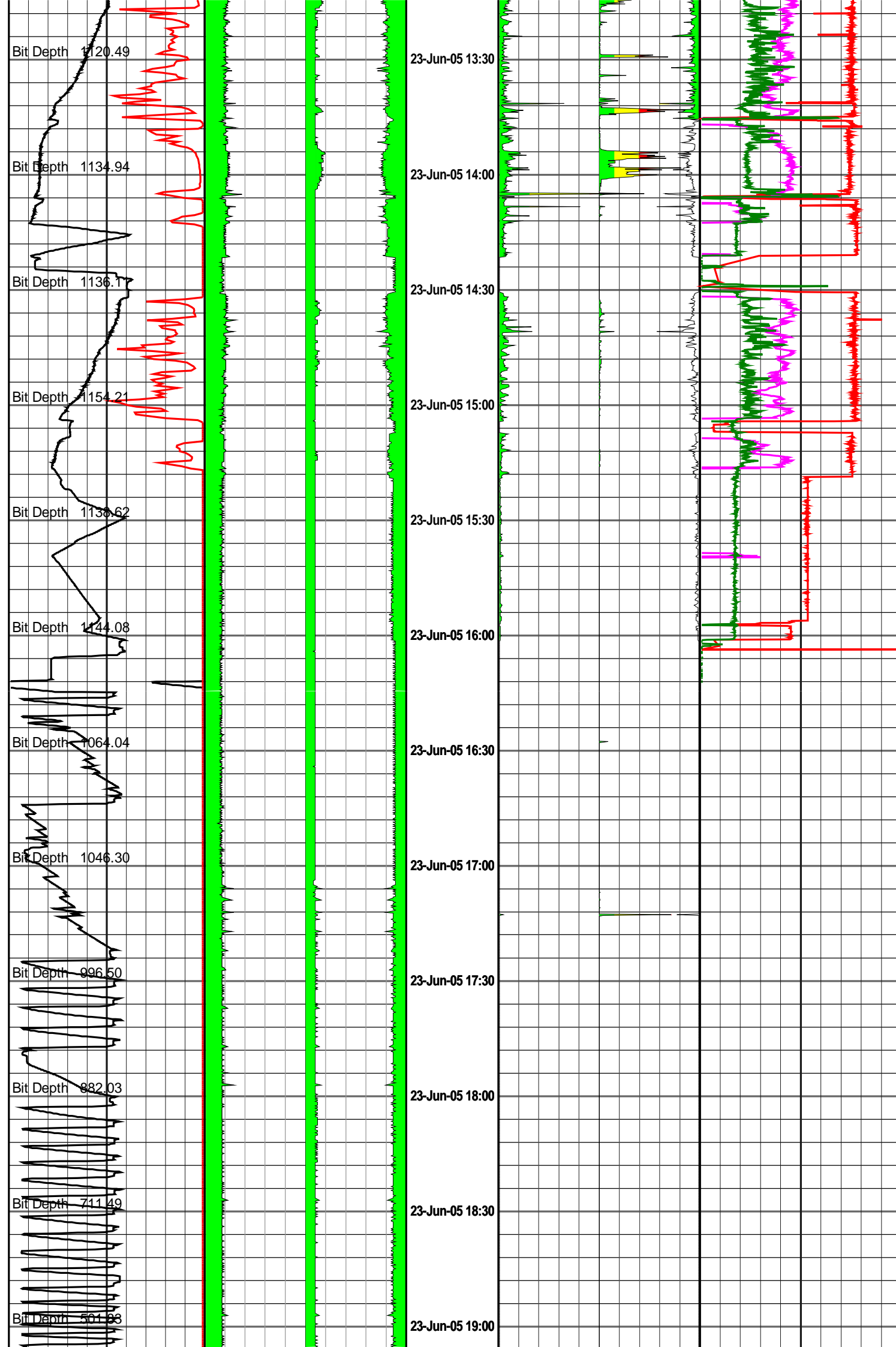


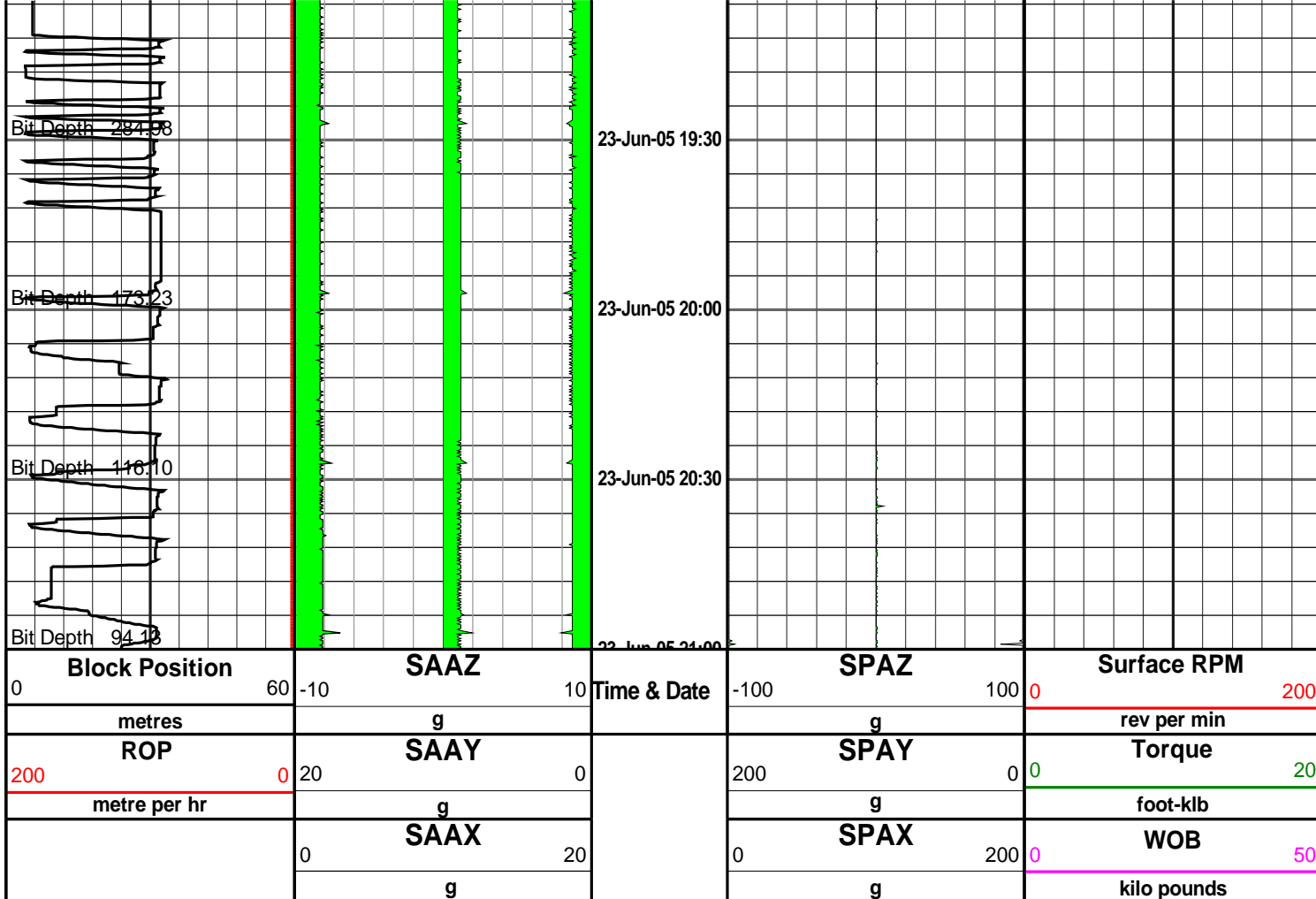












DIRECTIONAL SURVEY REPORT

Santos Ltd
Casino-5
Casino
Victoria
Australia

AU-FE-0003530537

RT to LAT = 21.5m. Final survey projected to TD.

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	Latitude (metres)	Departure (metres)	Vertical Section (metres)	Dogleg (deg/30m)
89.700	0.00	0.00	89.700	0.000 N	0.000 E	0.000	TIE-IN
153.320	0.87	155.19	153.318	0.438 S	0.203 E	-0.438	0.41
180.770	0.73	150.88	180.765	0.780 S	0.375 E	-0.780	0.17
236.210	1.06	149.10	236.198	1.529 S	0.810 E	-1.529	0.18
263.920	1.31	159.82	263.902	2.046 S	1.051 E	-2.046	0.36
292.770	1.22	161.34	292.745	2.647 S	1.263 E	-2.647	0.10
321.460	1.16	161.70	321.429	3.212 S	1.452 E	-3.212	0.06
350.140	1.12	162.94	350.103	3.755 S	1.626 E	-3.755	0.05
378.700	1.03	165.33	378.658	4.271 S	1.773 E	-4.271	0.11
407.390	0.99	169.70	407.344	4.764 S	1.882 E	-4.764	0.09
436.080	0.89	162.06	436.030	5.220 S	1.995 E	-5.220	0.17
464.750	0.86	161.47	464.697	5.636 S	2.132 E	-5.636	0.03
493.600	0.87	164.24	493.543	6.052 S	2.260 E	-6.052	0.04
522.350	0.23	169.75	522.292	6.318 S	2.330 E	-6.318	0.67
551.140	0.52	129.89	551.081	6.459 S	2.440 E	-6.459	0.39
579.900	0.54	127.68	579.840	6.626 S	2.648 E	-6.626	0.03
608.620	0.51	119.52	608.559	6.771 S	2.866 E	-6.771	0.08
636.960	0.54	120.09	636.898	6.900 S	3.091 E	-6.900	0.03
652.270	0.52	118.09	652.207	6.969 S	3.215 E	-6.969	0.05
712.410	0.56	146.86	712.344	7.343 S	3.616 E	-7.343	0.13

<i>Measured Depth (metres)</i>	<i>Inclination (degrees)</i>	<i>Direction (degrees)</i>	<i>Vertical Depth (metres)</i>	<i>Latitude (metres)</i>	<i>Departure (metres)</i>	<i>Vertical Section (metres)</i>	<i>Dogleg (deg/30m)</i>
741.290	1.28	173.83	741.221	7.781 S	3.728 E	-7.781	0.85
800.770	1.61	179.35	800.682	9.272 S	3.808 E	-9.272	0.18
858.080	1.58	236.40	857.973	10.512 S	3.160 E	-10.512	0.80
891.650	3.06	238.12	891.515	11.241 S	2.014 E	-11.241	1.33
1006.820	3.06	237.46	1006.520	14.520 S	3.191 W	-14.520	0.01
1067.610	5.74	249.44	1067.127	16.462 S	7.406 W	-16.462	1.39
1150.270	5.53	253.03	1149.388	19.075 S	15.085 W	-19.075	0.15
1178.550	5.52	254.47	1177.536	19.837 S	17.699 W	-19.837	0.15
1207.090	5.50	252.55	1205.944	20.615 S	20.327 W	-20.615	0.20
1294.000	5.38	250.68	1292.462	23.213 S	28.148 W	-23.213	0.07
1322.590	5.29	252.03	1320.928	24.063 S	30.668 W	-24.063	0.16
1351.220	5.31	252.31	1349.436	24.873 S	33.186 W	-24.873	0.03
1377.530	5.17	251.91	1375.636	25.611 S	35.472 W	-25.611	0.16
1406.190	5.23	251.21	1404.178	26.433 S	37.937 W	-26.433	0.09
1434.970	5.43	251.49	1432.834	27.288 S	40.470 W	-27.288	0.21
1463.790	5.42	253.43	1461.525	28.109 S	43.068 W	-28.109	0.19
1492.550	5.42	251.34	1490.156	28.931 S	45.657 W	-28.931	0.21
1521.490	5.55	253.59	1518.964	29.763 S	48.293 W	-29.763	0.26
1550.140	5.55	251.90	1547.479	30.585 S	50.939 W	-30.585	0.17
1607.590	5.88	251.40	1604.644	32.386 S	56.367 W	-32.386	0.17
1636.210	5.89	252.97	1633.113	33.283 S	59.160 W	-33.283	0.17
1664.650	6.20	254.05	1661.395	34.133 S	62.033 W	-34.133	0.35
1693.360	6.37	251.89	1689.932	35.054 S	65.039 W	-35.054	0.30
1712.400	6.06	251.82	1708.860	35.696 S	66.998 W	-35.696	0.48
1734.430	6.14	252.76	1730.765	36.409 S	69.229 W	-36.409	0.17
1763.180	5.90	251.71	1759.357	37.328 S	72.100 W	-37.328	0.28
1783.400	5.66	250.49	1779.474	37.987 S	74.026 W	-37.987	0.40
1806.000	5.66	250.49	1801.964	38.731 S	76.127 W	-38.731	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 0.00 DEGREES (GRID)
A TOTAL CORRECTION OF 11.99 DEG FROM MAGNETIC NORTH TO GRID NORTH HAS BEEN APPLIED**

**HORIZONTAL DISPLACEMENT IS RELATIVE TO THE WELL HEAD.
HORIZONTAL DISPLACEMENT(CLOSURE) AT 1806.000 METRES
IS 85.413 METRES ALONG 243.03 DEGREES (GRID)**

MWD RUN 200 - BHA
MWD RUN 200 - MWD

	Component Length (m)	Sensor Measure Point Distance To Bit (m)
HWDP	138.370	
Cross Over Sub	1.090	
Drill Collar	17.900	
Hang-off Sub		
PM		16.130

