

geoVISION - sonicVISION - APWD

Gamma Ray - Resistivity - Image - Compressional - APWD

12.25 X 20in Recorded Mode Log. Measured Depth 1:200

Schlumberger

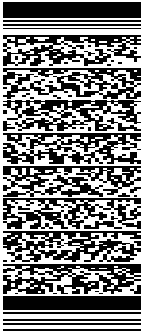
Company: JAMSTEC	
Well: C0002F	
Field: Nankai Trough - Kumano Basin	
Prefecture: Chikyu	
Country: Japan	
Latitude: 33° 18' 3.042" N	Custom: 12JAP0003
Longitude: 136° 38' 12.174" E	Rig Name: Chikyu
Block:	Rig Type: Drill Vessel
FL: Philippine Sea	
FL1: X = 652,382.39 m	
FL2: Y = 3,685,834.62 m	

Log Measured From: - Drill Floor: 28.50 m

Permanent Datum: - Mean Sea Level

Ground Level: 1939.00 m

Acquisition Dates: 03-Nov-2012 -- 12-Nov-2012	Other Services:
Log Interval: 2840.00(m) -- 3974.00(m)	DWOB, DTOR
Index Types: Measured Depth	Direction and Inclination
Index Scales: 1:200	Drilling Mechanics
Depth Source: Driller's Depth	
Depth Sensor: DES	
Print Type: Final	
Spud Date: 02-Nov-2012	



Disclaimer

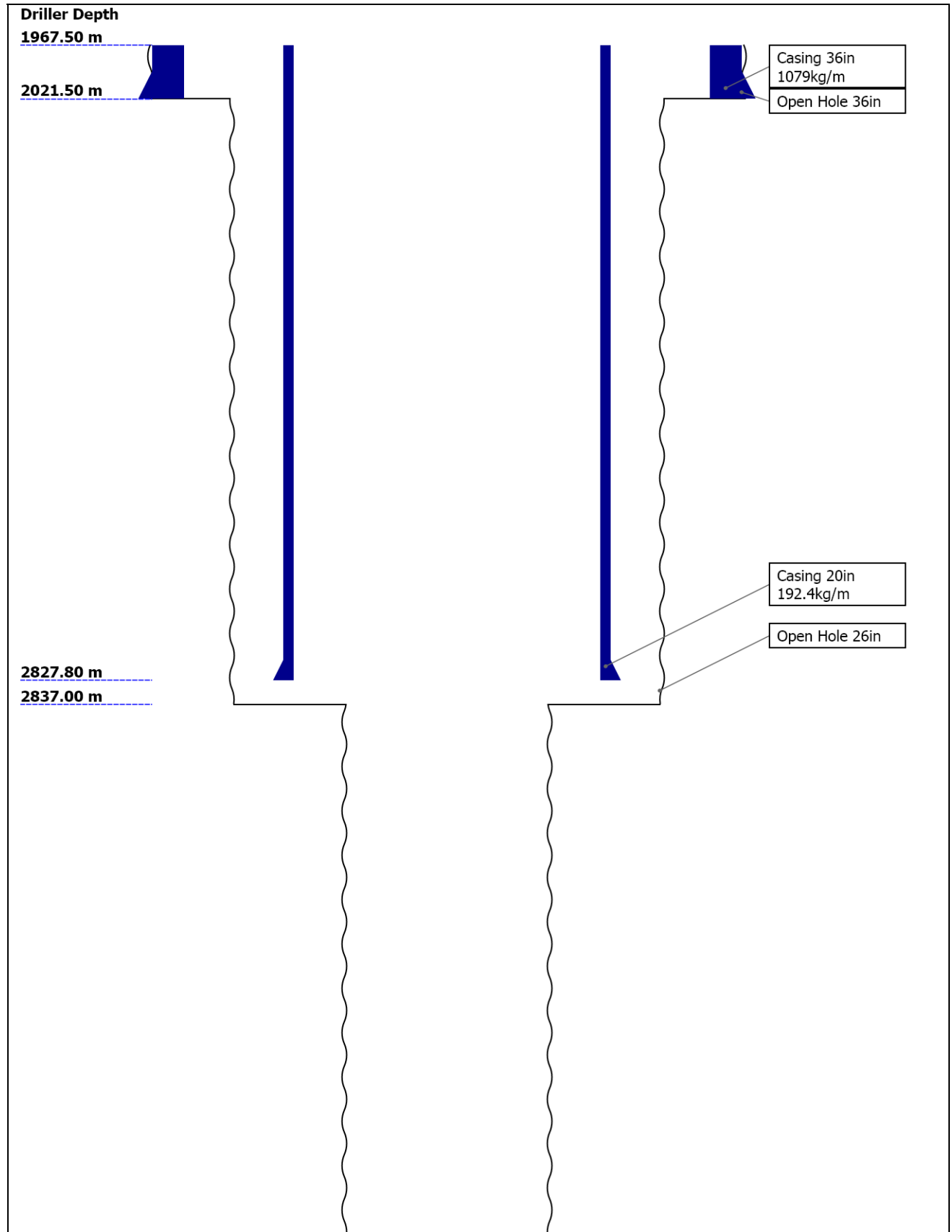
THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

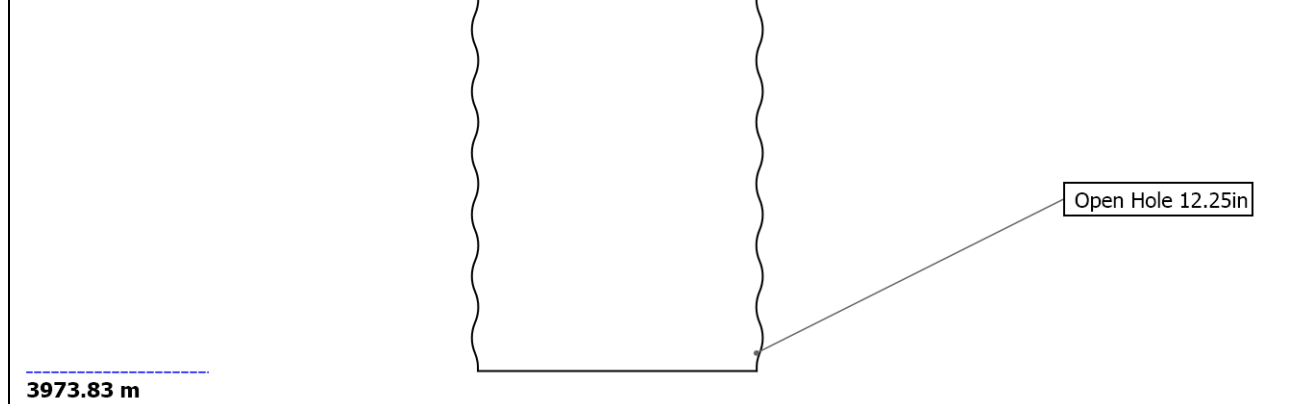
Contents

1. Header	13. Run001
2. Disclaimer	13.1 Integration Summary
3. Contents	13.2 Composite Summary
4. Well Sketch	13.3 Log (GVR Image-APWD Depth RM)
5. Borehole Size/Casing/Tubing Record	13.4 Parameter Listing
6. Operational Run Summary	14. Run001
7. Borehole Fluids	14.1 Integration Summary
8. Remarks and Equipment Summary	14.2 Composite Summary
9. Survey Record	14.3 Log (DML Depth RM)
10. UDComposite1	14.4 Parameter Listing
10.1 Integration Summary	15. Calibration Report
10.2 Composite Summary	16. Tail
10.3 Log (Sonic-GVR Image-APWD Depth RM)	
10.4 Parameter Listing	
11. Run001	
11.1 Integration Summary	
11.2 Composite Summary	

- 11.3 Log (GVR Image-APWD Depth RM)
- 11.4 Parameter Listing
- 12. Run001
 - 12.1 Integration Summary
 - 12.2 Composite Summary
 - 12.3 Log (GVR Image-APWD Depth RM)
 - 12.4 Parameter Listing

Well Sketch





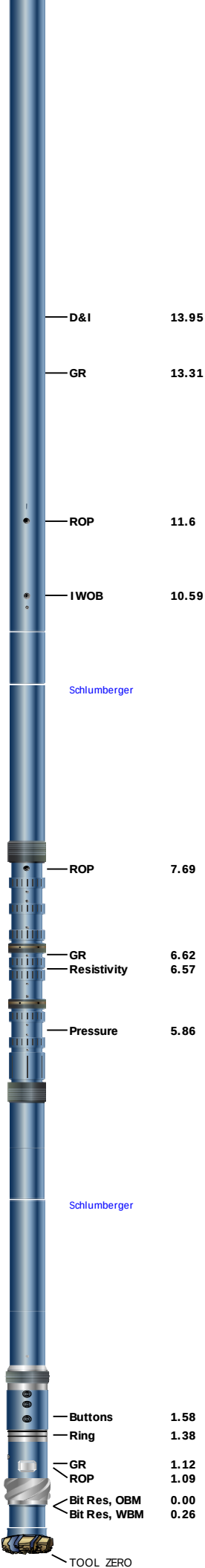
Borehole Size/Casing Record						
Bit						
Bit Size (in)	36	26	12.25			
Top Driller (m)	1967.5	2021.5	2837			
Bottom Driller (m)	2021.5	2837	3973.83			
Casing						
Size (in)	36	20				
Weight (kg/m)	1079	192.4				
Inner Diameter (in)	32.101	18.75				
Grade	X56	X56				
Top Driller (m)	1967.5	1967.5				
Bottom Driller (m)	2021.5	2827.8				

Operational Run Summary						
Parameter (unit)	Run001					
Date Log Started	02-Nov-2012					
Time Log Started	04:22:48					
Date Log Finished	12-Nov-2012					
Time Log Finished	10:34:01					
Bit Size (in)	12.250					
Bit Start Depth (m)	2843.12					
Bit Stop Depth (m)	3973.83					
Top Log Interval (m)	2819.77					
Bottom Log Interval (m)	3973.56					
Max Hole Deviation (deg)	1.01					
Azimuth of Max Deviation (deg)	137.93					
Logging Unit Number	OLU-KC-504					
Logging Unit Location	Comp Deck					
Recorded By	Wang Feng Shao Kai					
Witnessed By	Yoshi Sanada Yukari Kido Yuichi Shinmoto					
Service Order Number	12JAP0003					

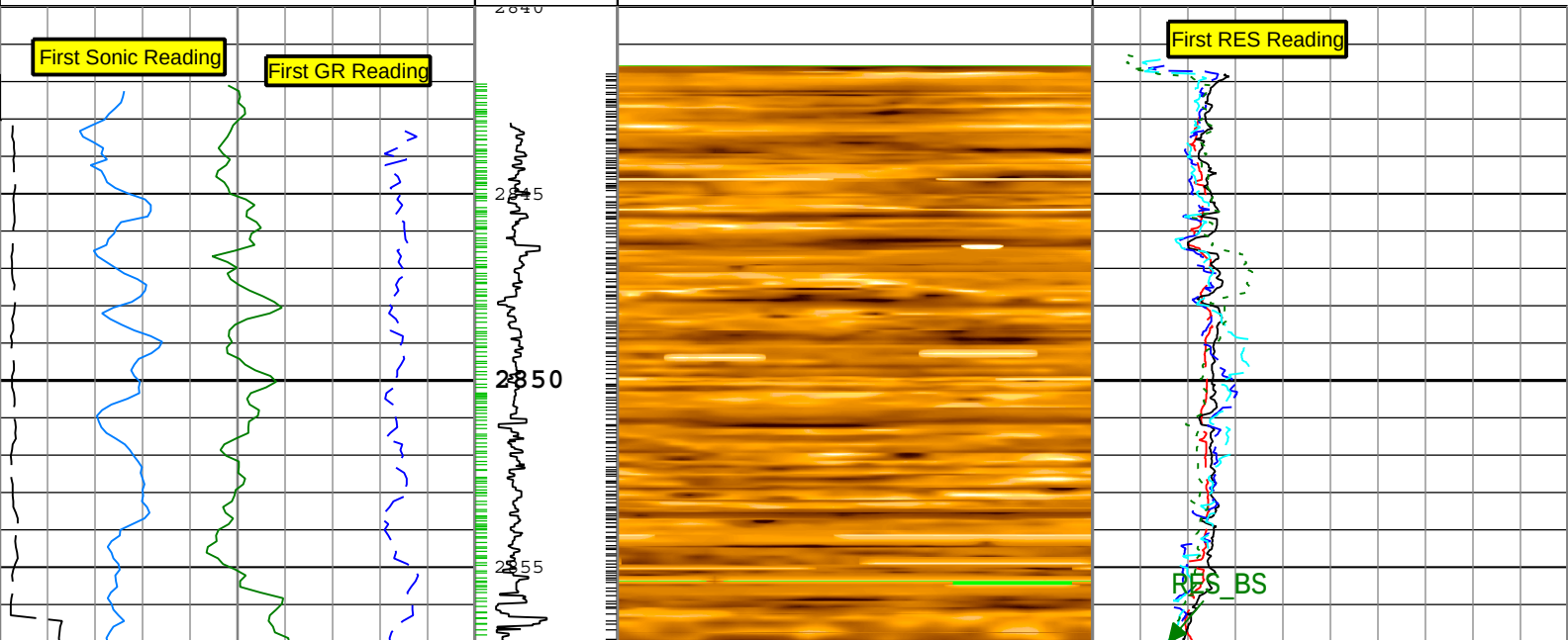
Parameter(unit)	Run001					
Fluid Type	Water					
Max Recorded Temperatures (degC)	30					
Source of Sample	Active Tank					
Salinity (ppm)	73620.44					
Density (g/cm3)	1.1					
Funnel Viscosity (s)	80					
Fluid Loss (cm3)						
PH	10.6					
Source RMF	Pressed					
RMC	Pressed					
RM @ Meas Temp (ohm.m@degC)	0.1 @ 22					
RMF @ Meas Temp (ohm.m@degC)	0.15 @ 20					
RMC @ Meas Temp (ohm.m@degC)	0.08 @ 20					
RM @ BHT (ohm.m@degC)	0.08 @ 33					
RMF @ BHT (ohm.m@degC)	0.11 @ 33					
RMC @ BHT (ohm.m@degC)	0.06 @ 33					
Total Solid (%)	6					
High Gravity Solids (%)	3.6					

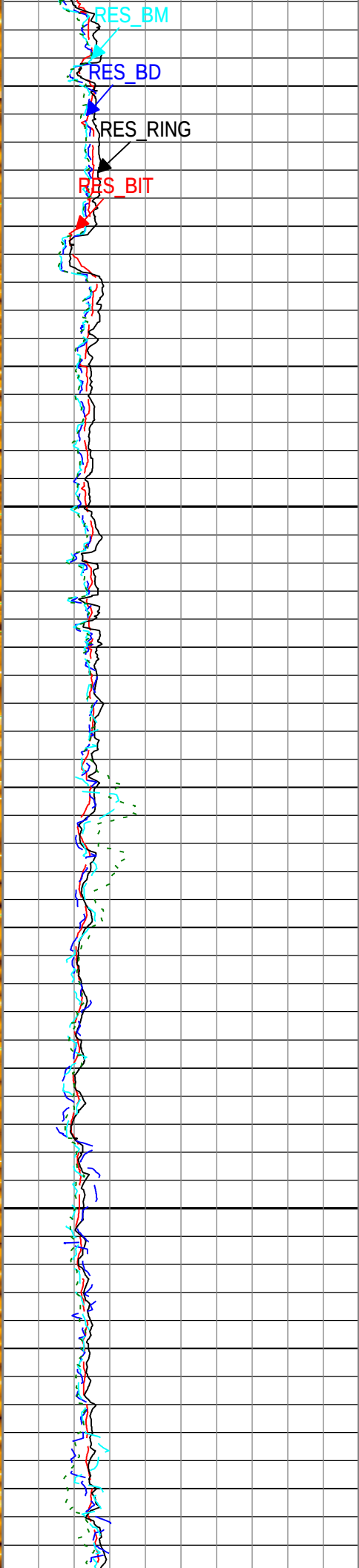
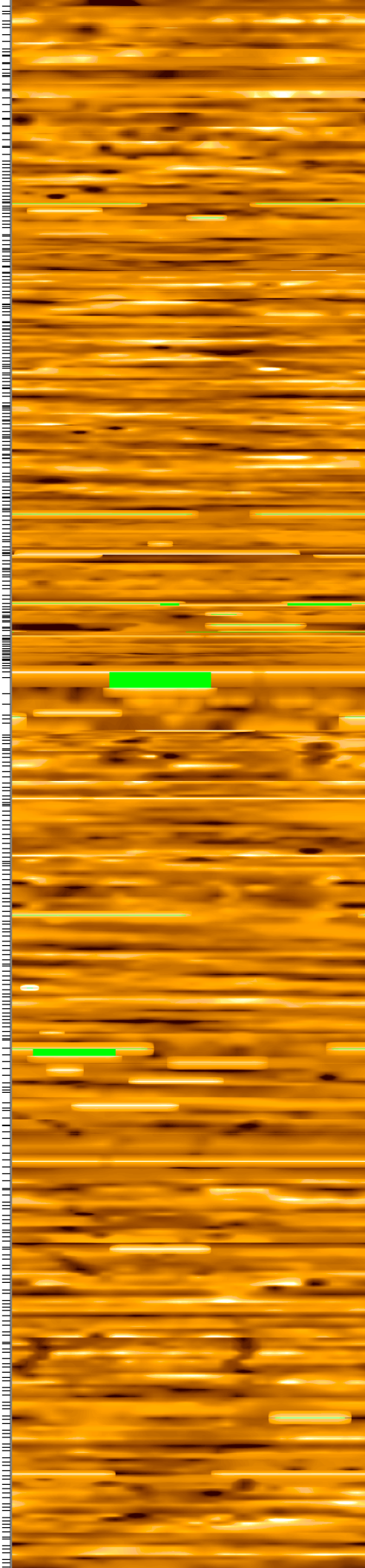
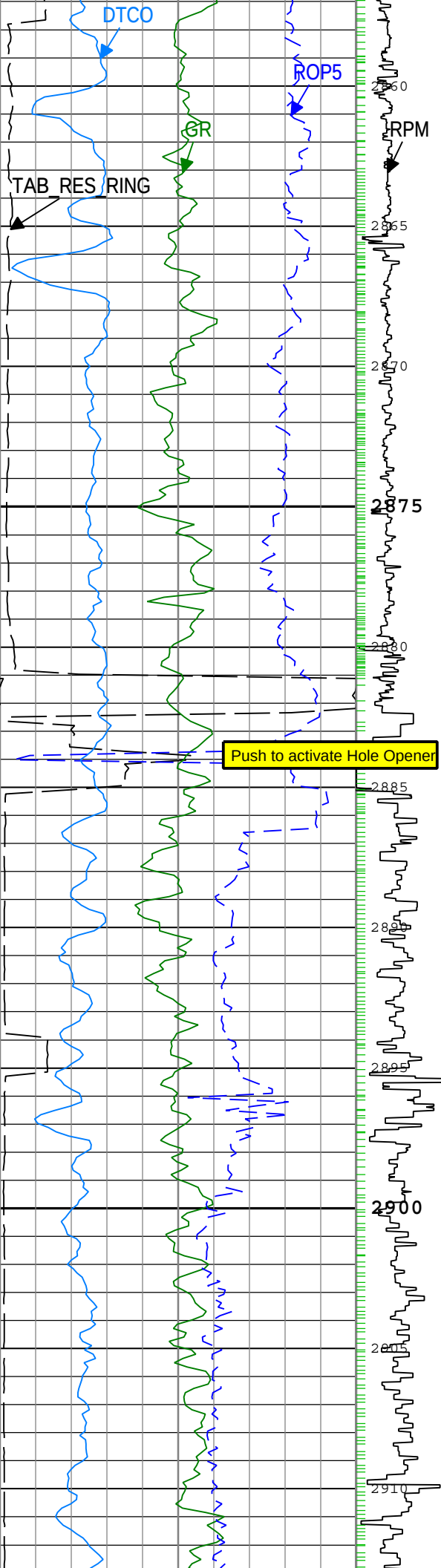
Remarks and Equipment Summary

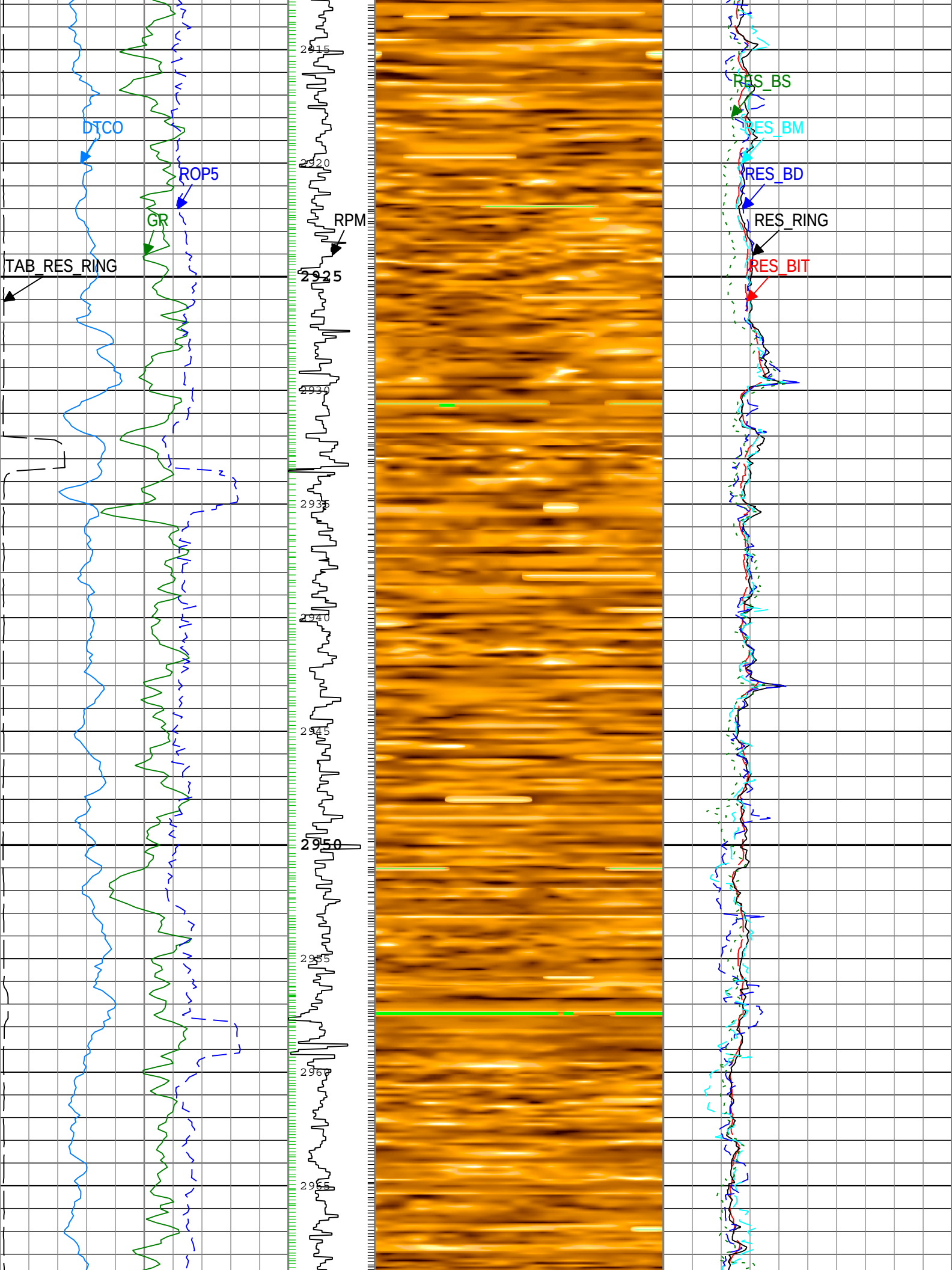
Run001: Toolstring			Run001: Remarks
Equip name Stab: 8 1/4":7171 8	Length 28.77	MP name Schlumberger	Data presented is Recorded Mode data which was acquired while drilling.
			Depth reference is driller's depth measured from Rotary Table.
			geoVISION record rate is 15s, sonicVISION record rate is 15s, APWD record rate is 10s.
SONICVISION8:E 4674-1	26.39	Schlumberger	geoVISION GR is corrected for bit size, tool size, mud weight and potassium concentration in mud.
			geoVISION resistivity is environmentally corrected for bit size and mud resistivity.
			sonicVISION compressional slowness is processed by DCS.
			Reason for POOH: Well Condition.
			Drilling Time: 90.40 hrs
			Pumping Time: 168.53 hrs
			Warning in calibration list is due to MaxWell bug.
TELE825-IWOB:G 0159	18.26	Schlumberger	

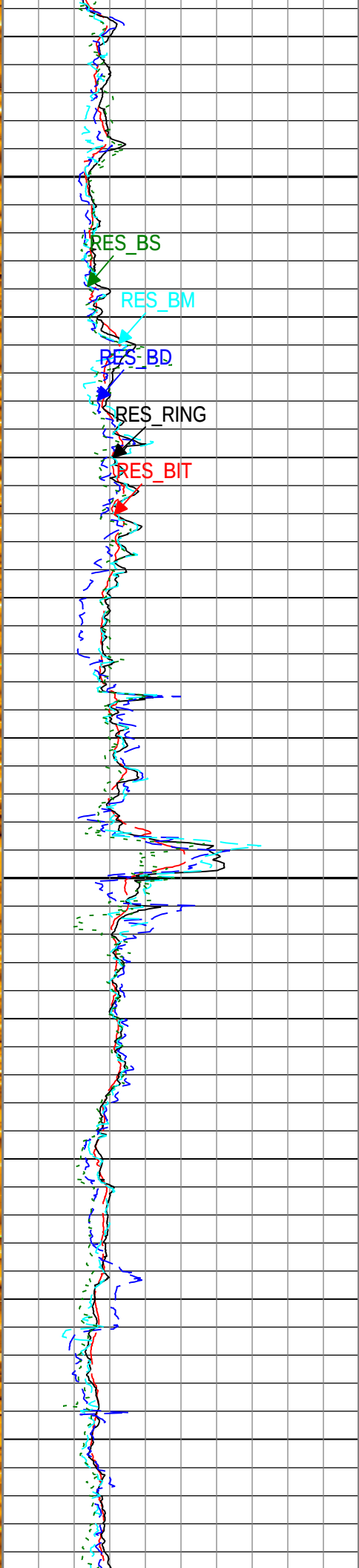
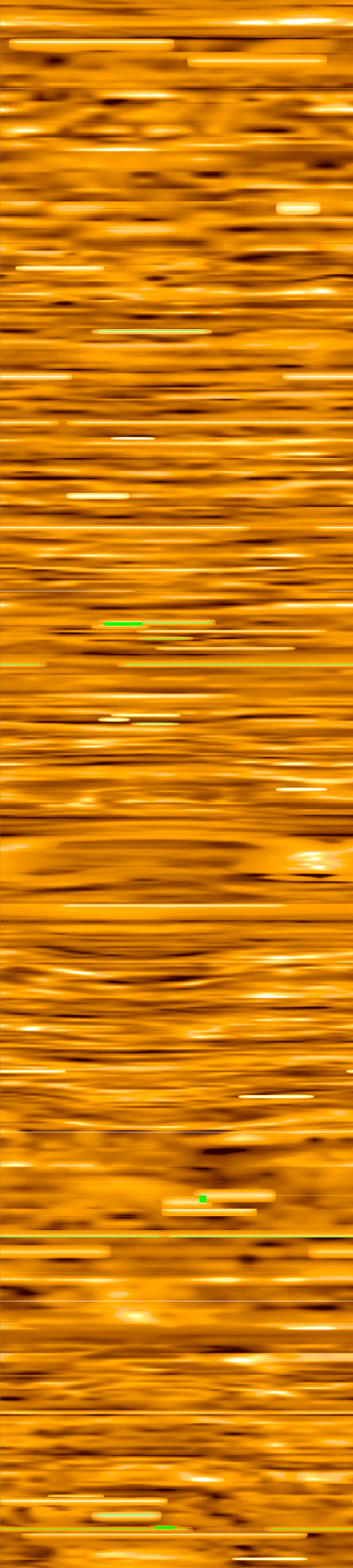
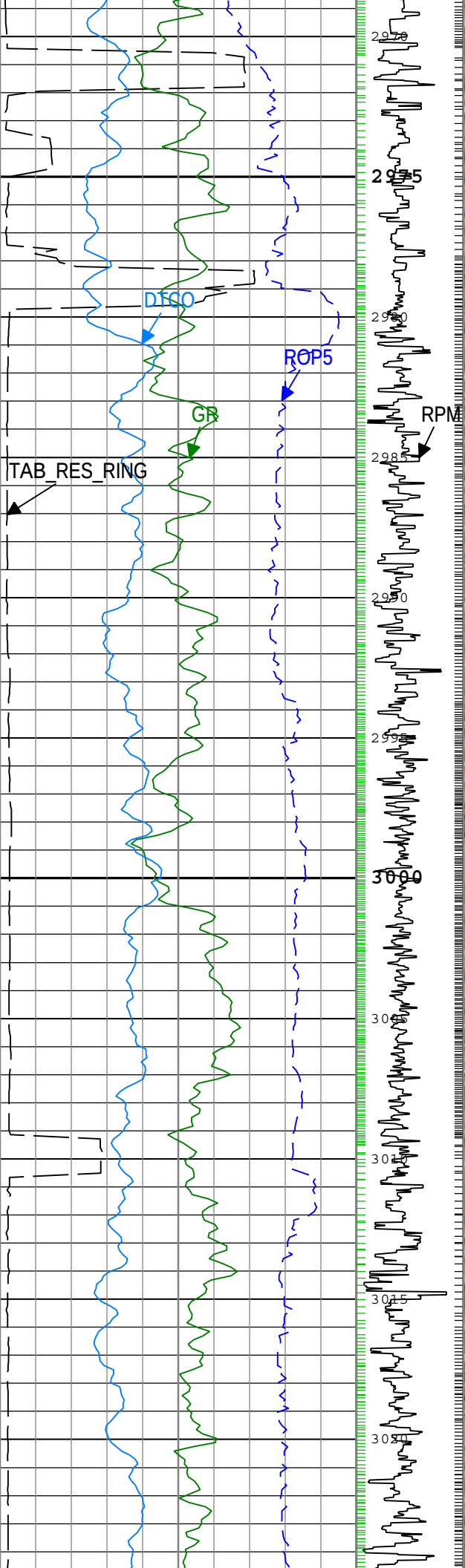


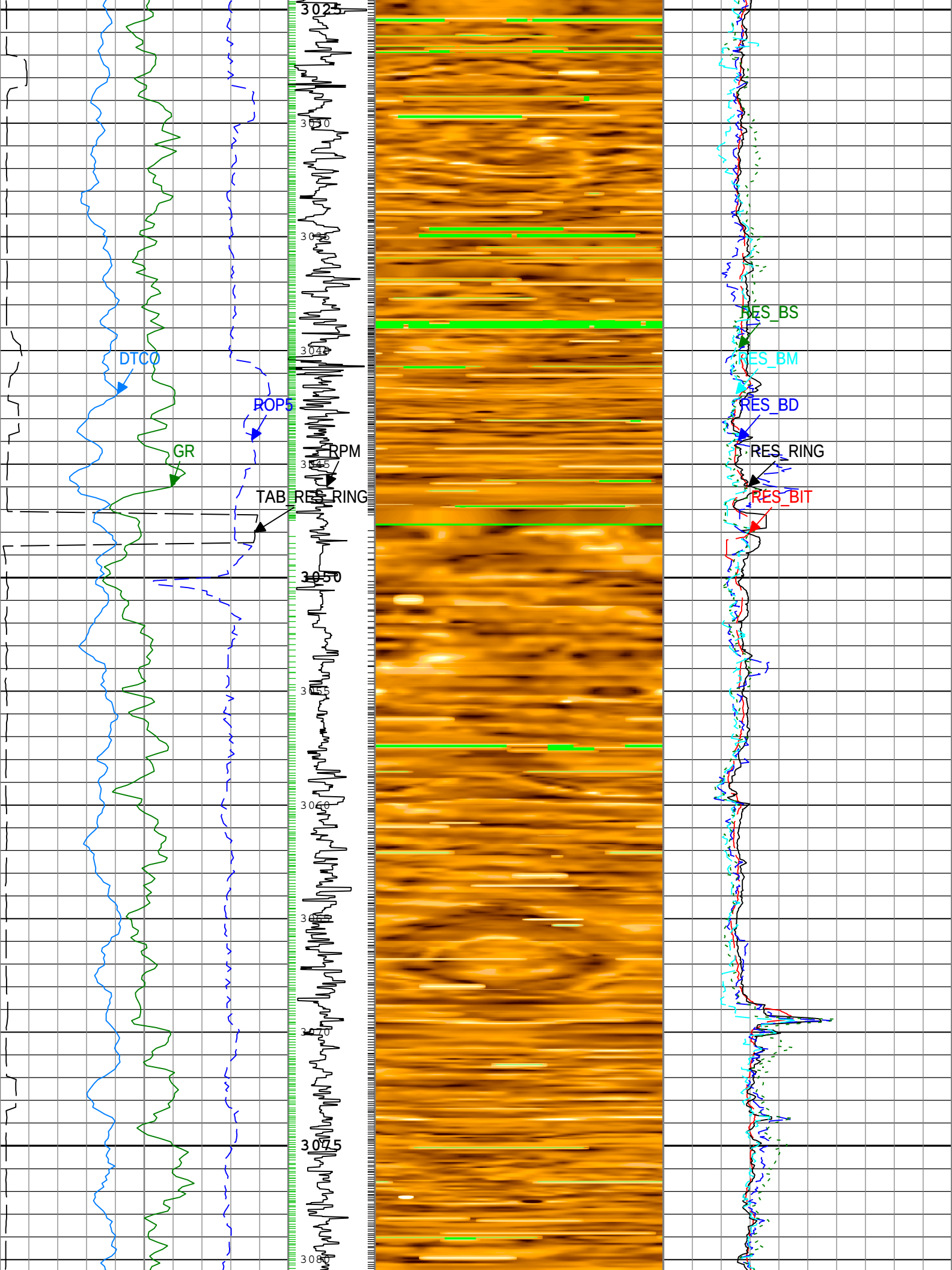
Lengths are in m Maximum Outer Diameter = 12.250 in Line: Sensor Location, Value: Gating Offset All measurements are relative to TOOL_ZERO															
Survey Record															
Survey Calculation															
Method :			Minimum Radius of Curvature			DLS Method :			Lubinski						
North Reference :			Grid North			Total Correction Formula :			Magnetic Dec - Grid Convergence						
Grid Convergence :			0.89 deg												
Rig Location															
Latitude :			33° 18' 3.042" N			Longitude :			136° 38' 12.174" 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					
N/-S VSec Origin:		0.00 m		E/-W VSec Origin:		0.00 m		Vertical Section Azimuth:		0.00 deg					
D&I Inits Computed and Values Used - Run001															
Geomagnetic Model :			BGGM 2011			Geomagnetic Date :			27-Oct-2012						
Computed Location B :			45961.16 nT +/- 300.00nT			Used Location B :			45961.16 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 :			46.83 deg +/- 0.45deg			Used Magnetic Dip :			46.83 deg +/- 0.45deg						
Computed Magnetic Dec :			-6.74 deg			Used Magnetic Dec :			-6.74 deg						
Computed Total Correction :			-7.63 deg			Used Total Correction :			-7.63 deg						
Survey Quality Index															
0 : Long Survey passed all criteria			9 : Manual			28 : Tie-In Point									
Survey Correction Index															
0 : No correction															
Survey Description Index															
0 : 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	DI
1	0.00	0.00	0.00	- - - -	0.00	0.00	0.00	0.00	0.00	90.00	0.00	TIP	28	0	0
2	1967.50	0.00	0.00	1967.50	1967.50	0.00	0.00	0.00	0.00	90.00	0.00	Other	9	0	11
3	2866.60	0.54	179.22	899.10	2866.59	-4.27	-4.27	0.06	4.27	179.22	0.02	TeleScope	0	0	0
4	2878.95	0.51	176.56	12.35	2878.94	-4.38	-4.38	0.06	4.39	179.19	0.11	TeleScope	0	0	0
5	2914.04	0.52	176.97	35.08	2914.02	-4.70	-4.70	0.08	4.70	179.03	0.01	TeleScope	0	0	0
6	2952.27	0.55	185.56	38.24	2952.26	-5.05	-5.05	0.07	5.05	179.19	0.07	TeleScope	0	0	0
7	2990.43	0.55	200.51	38.16	2990.41	-5.41	-5.41	-0.01	5.41	180.11	0.11	TeleScope	0	0	0
8	3030.05	0.62	198.26	39.62	3030.03	-5.79	-5.79	-0.14	5.79	181.42	0.06	TeleScope	0	0	0
9	3069.22	0.56	194.83	39.16	3069.19	-6.18	-6.18	-0.26	6.18	182.41	0.05	TeleScope	0	0	0
10	3106.35	0.53	189.40	37.13	3106.32	-6.52	-6.52	-0.33	6.53	182.94	0.05	TeleScope	0	0	0
11	3143.09	0.56	194.71	36.74	3143.07	-6.87	-6.87	-0.41	6.88	183.40	0.04	TeleScope	0	0	0
12	3181.17	0.63	194.45	38.08	3181.14	-7.25	-7.25	-0.51	7.26	184.00	0.06	TeleScope	0	0	0
13	3219.49	0.55	193.39	38.31	3219.46	-7.63	-7.63	-0.60	7.65	184.51	0.06	TeleScope	0	0	0
14	3255.97	0.61	196.03	36.49	3255.94	-7.99	-7.99	-0.70	8.02	184.99	0.06	TeleScope	0	0	0
15	3296.31	0.66	202.77	40.34	3296.28	-8.41	-8.41	-0.85	8.45	185.75	0.07	TeleScope	0	0	0
16	3334.22	0.60	200.03	37.91	3334.18	-8.80	-8.80	-1.00	8.86	186.48	0.05	TeleScope	0	0	0
17	3372.69	0.68	189.74	38.47	3372.65	-9.21	-9.21	-1.11	9.28	186.85	0.11	TeleScope	0	0	0
18	3411.49	0.47	174.45	38.80	3411.44	-9.60	-9.60	-1.13	9.67	186.72	0.20	TeleScope	0	0	0
19	3449.55	0.35	162.27	38.06	3449.51	-9.87	-9.87	-1.08	9.93	186.25	0.12	TeleScope	0	0	0
20	3489.60	0.34	174.03	40.05	3489.56	-10.10	-10.10	-1.03	10.15	185.83	0.05	TeleScope	0	0	0
21	3524.48	0.34	153.31	34.88	3524.43	-10.30	-10.30	-0.97	10.34	185.41	0.11	TeleScope	0	0	0
22	3562.73	0.20	126.68	38.25	3562.68	-10.44	-10.44	-0.87	10.47	184.77	0.14	TeleScope	0	0	0
23	3601.82	0.32	144.45	39.09	3601.77	-10.57	-10.57	-0.75	10.59	184.06	0.11	TeleScope	0	0	0
24	3639.57	0.39	142.68	37.76	3639.53	-10.76	-10.76	-0.61	10.77	183.25	0.05	TeleScope	0	0	0
25	3678.50	0.45	151.27	38.93	3678.46	-11.00	-11.00	-0.46	11.00	182.39	0.07	TeleScope	0	0	0
26	3717.42	0.61	149.48	38.91	3717.37	-11.31	-11.31	-0.28	11.31	181.42	0.12	TeleScope	0	0	0
27	3754.59	0.79	148.47	37.18	3754.54	-11.69	-11.69	-0.05	11.69	180.23	0.15	TeleScope	0	0	0

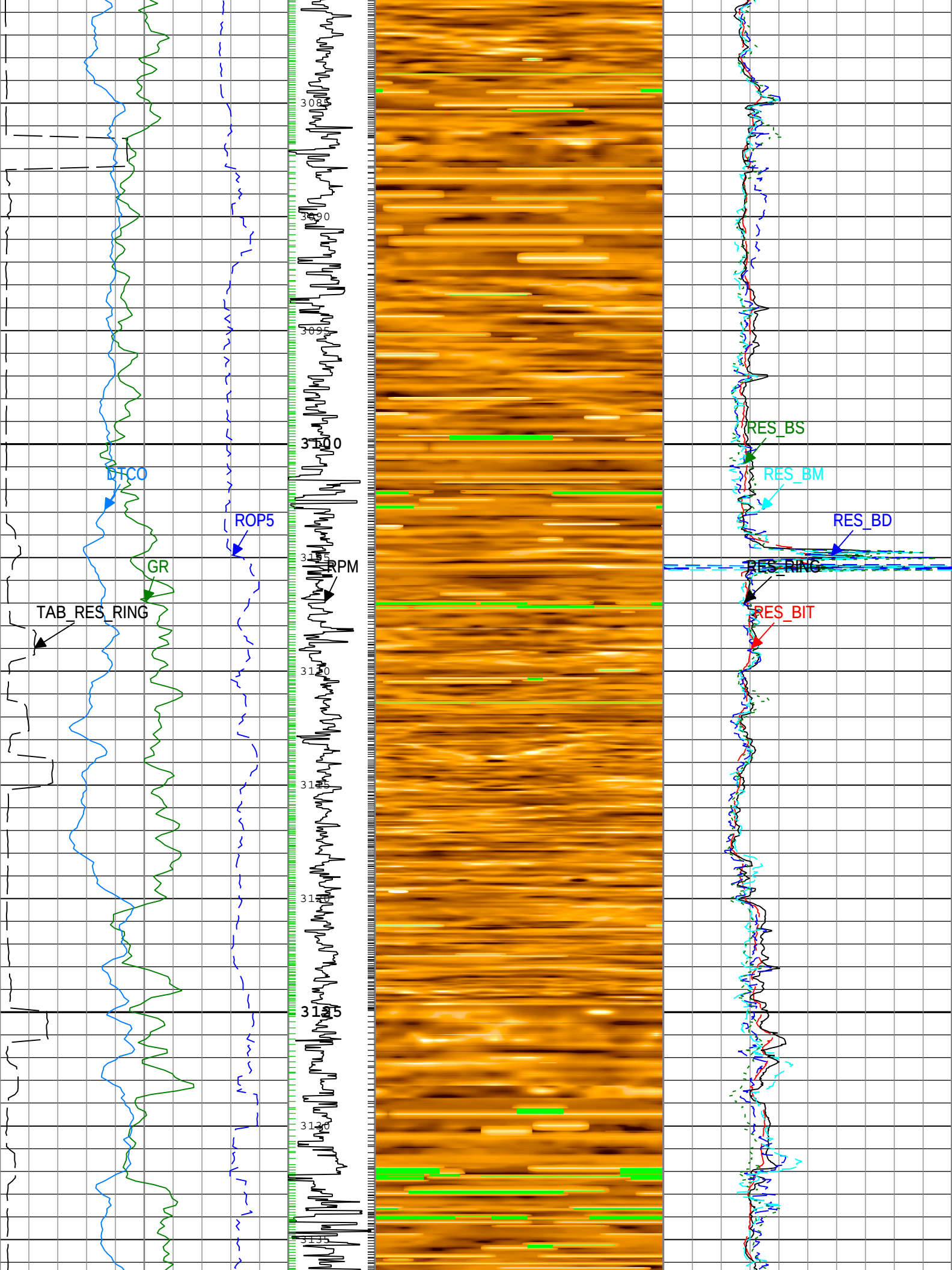


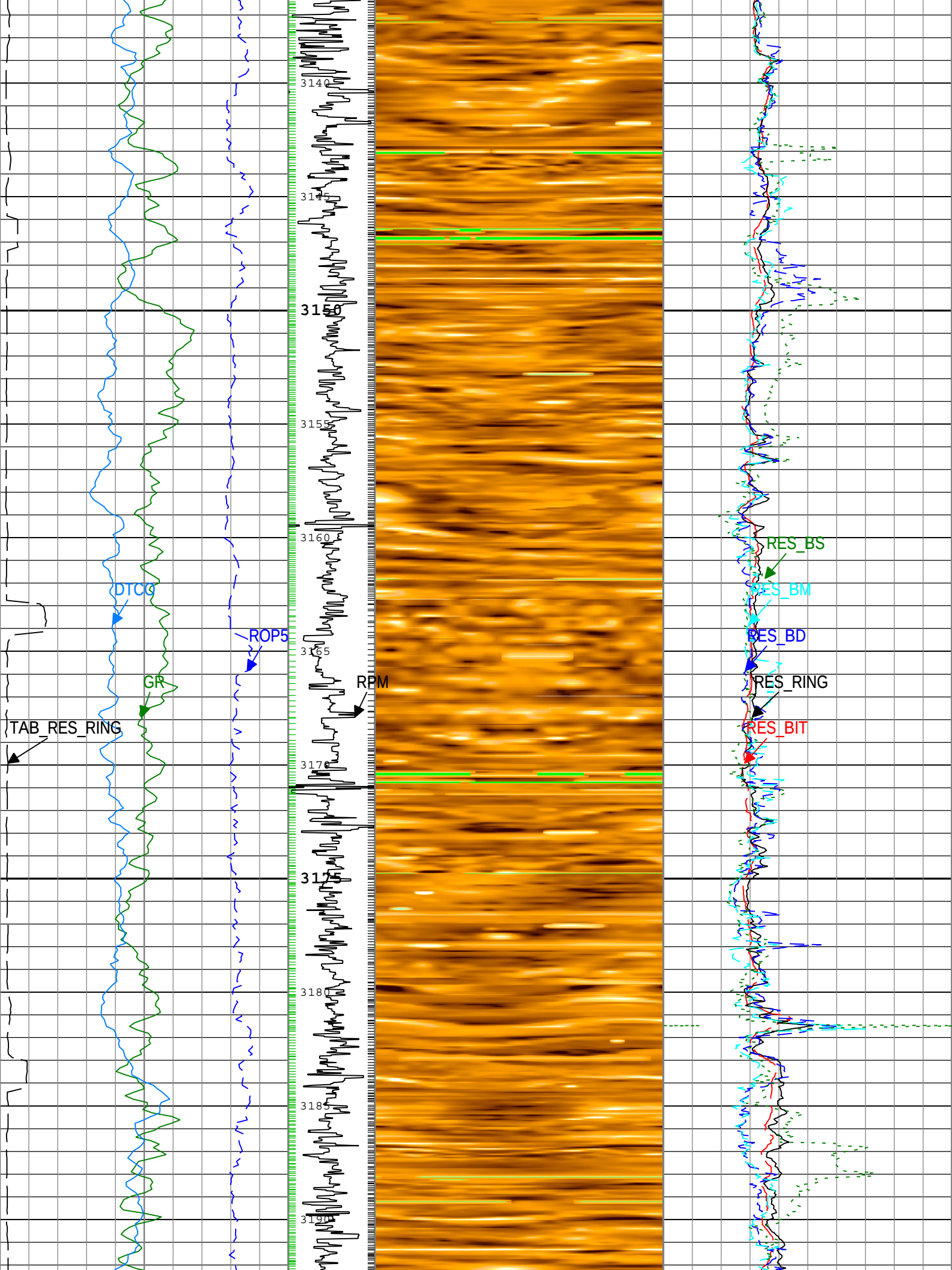


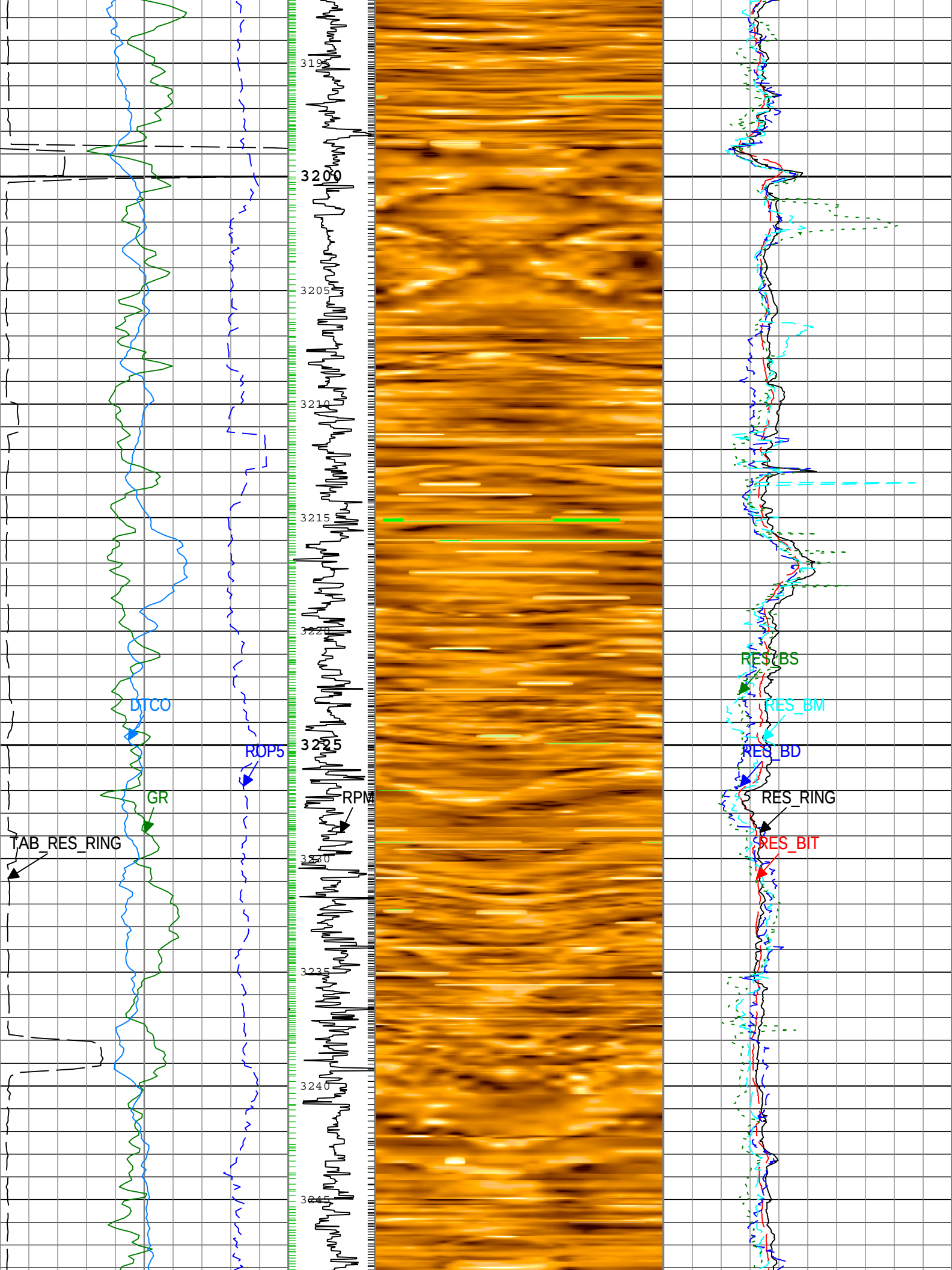


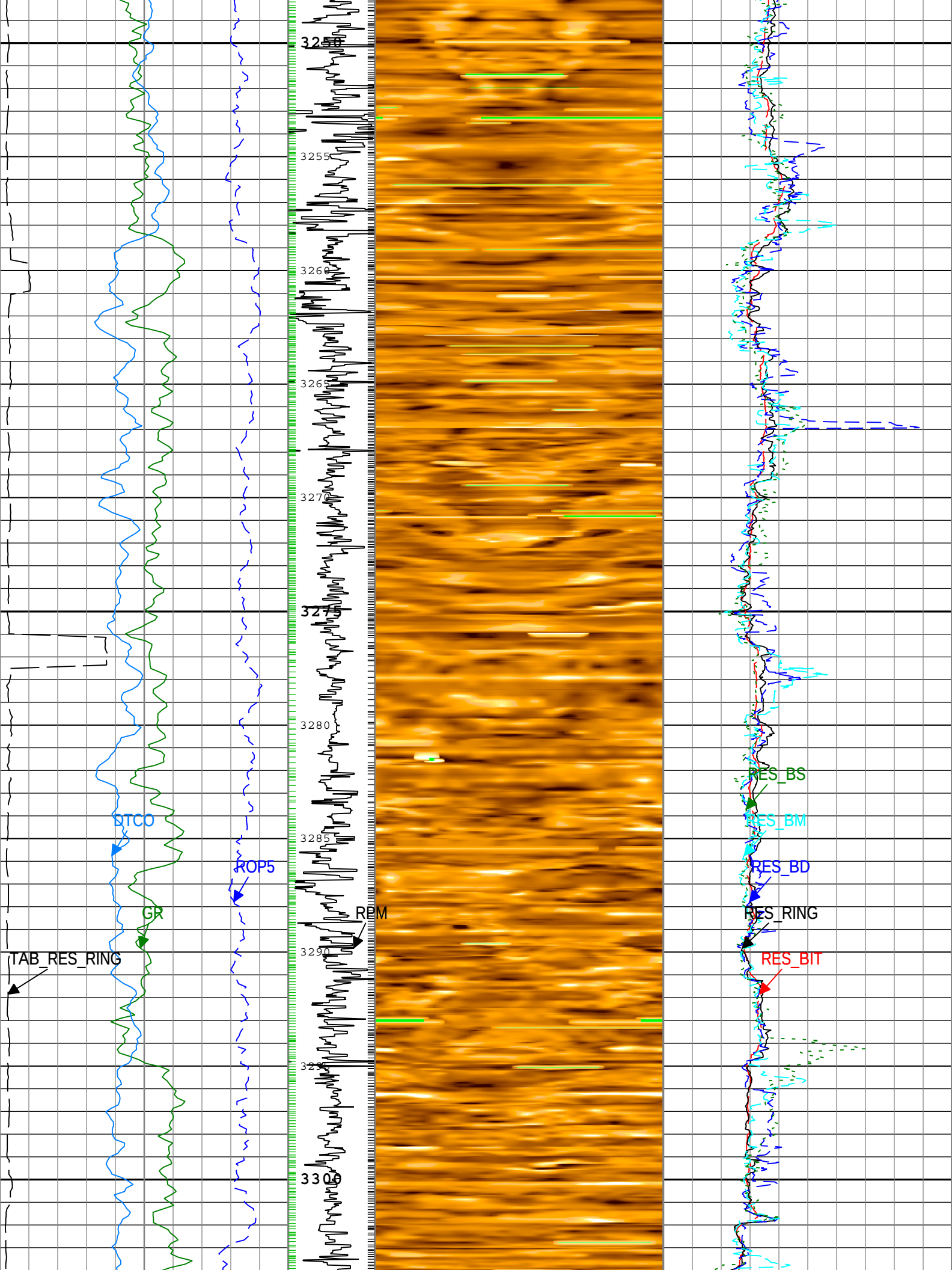


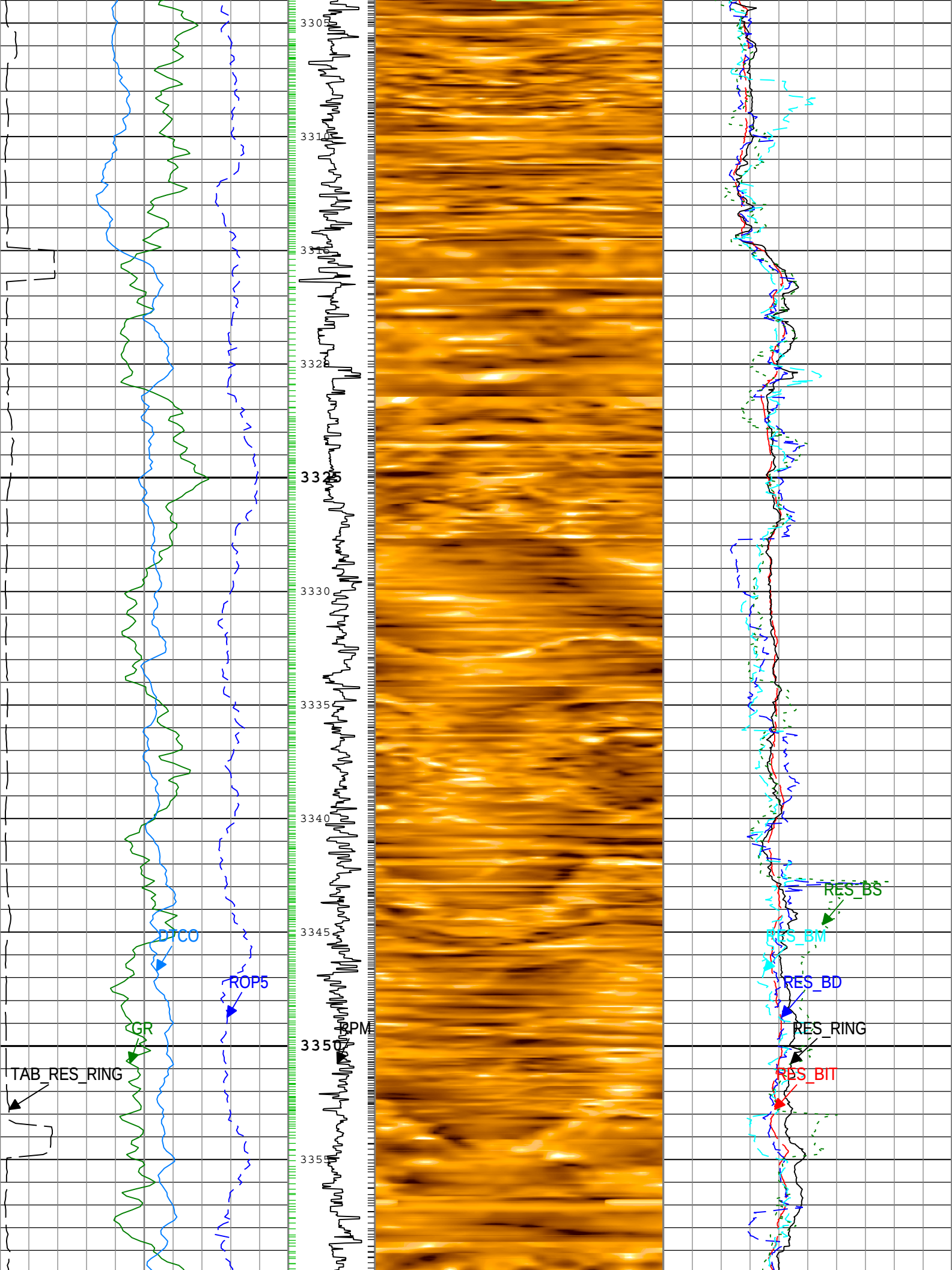


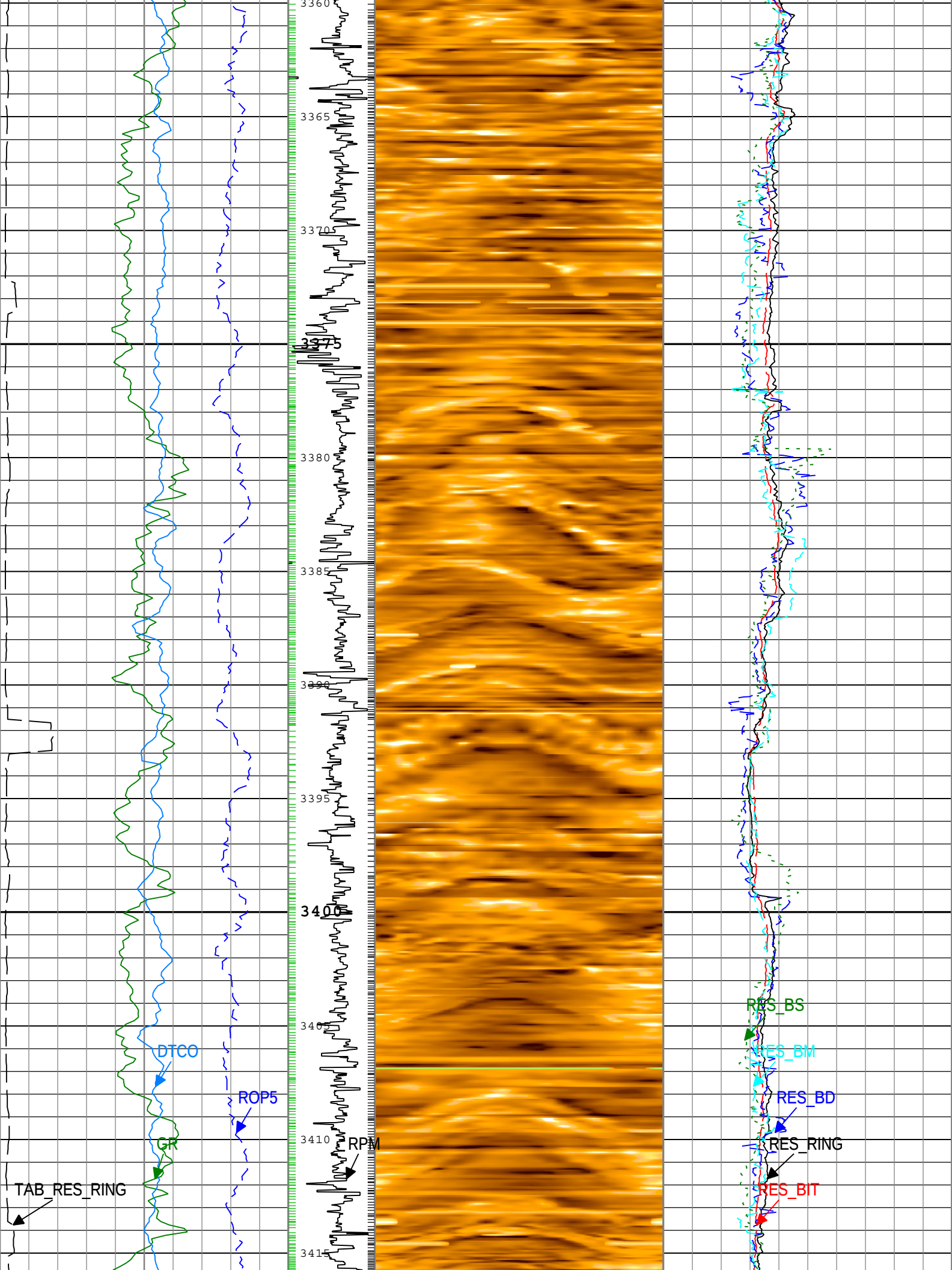


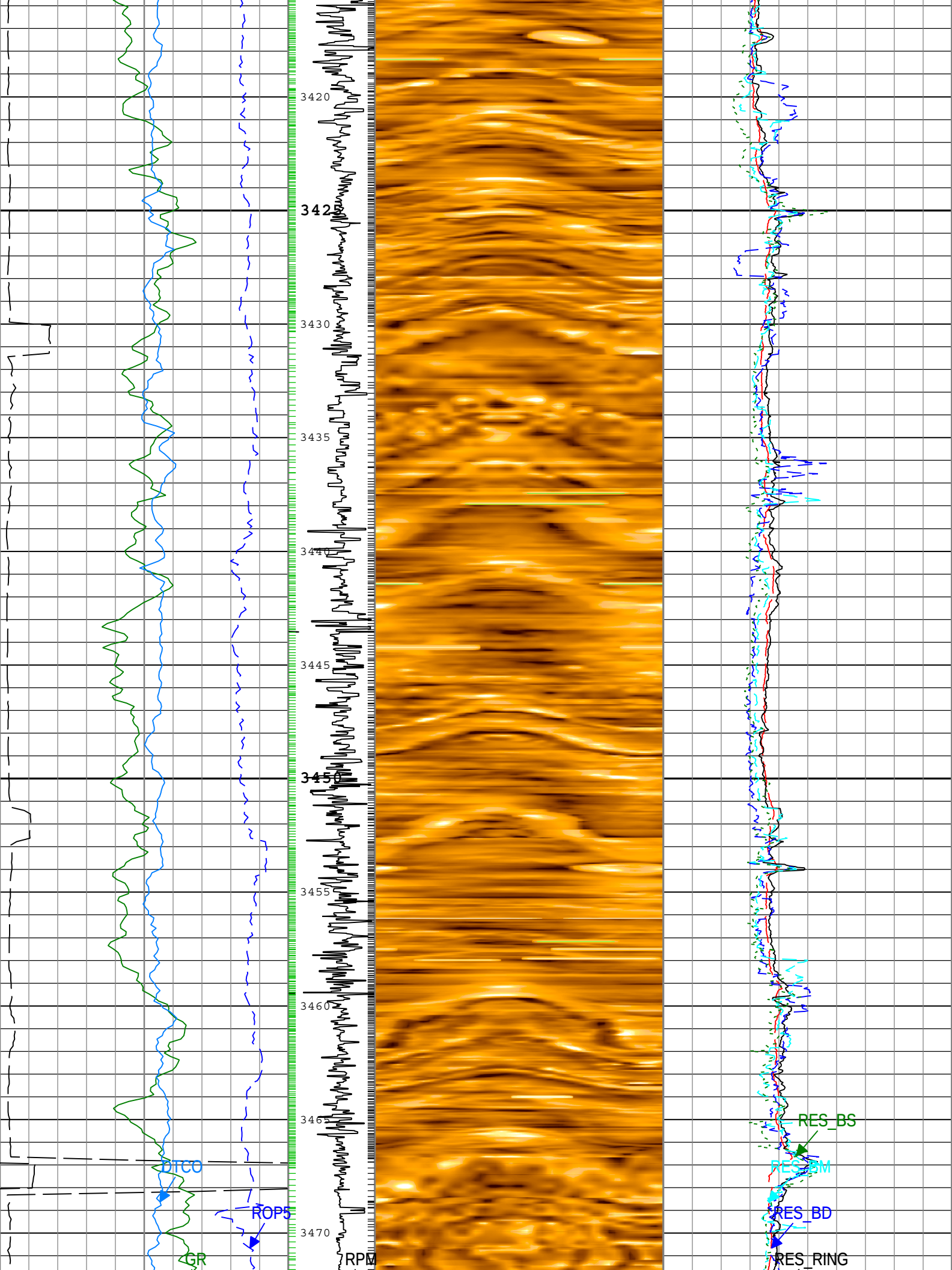


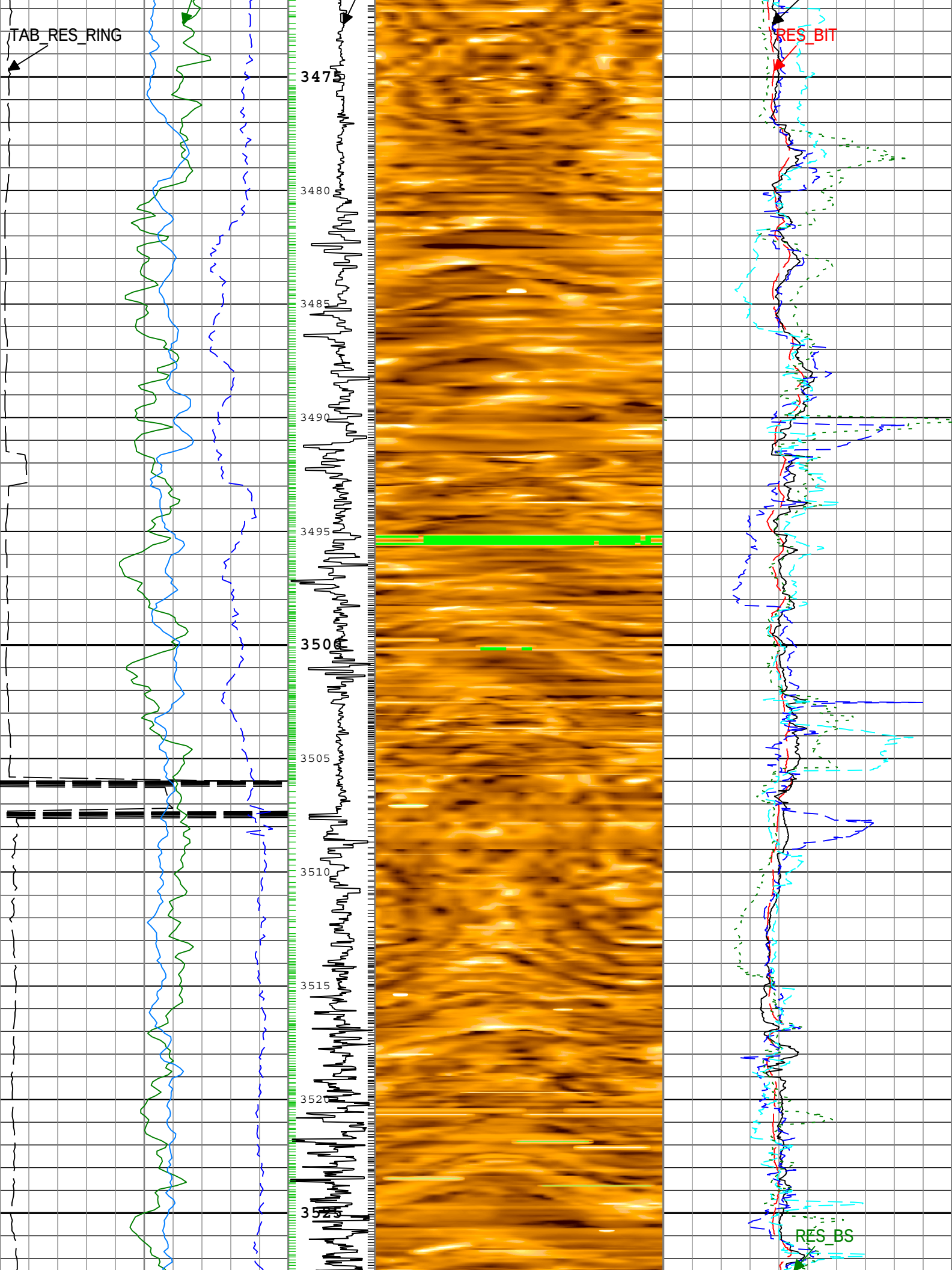


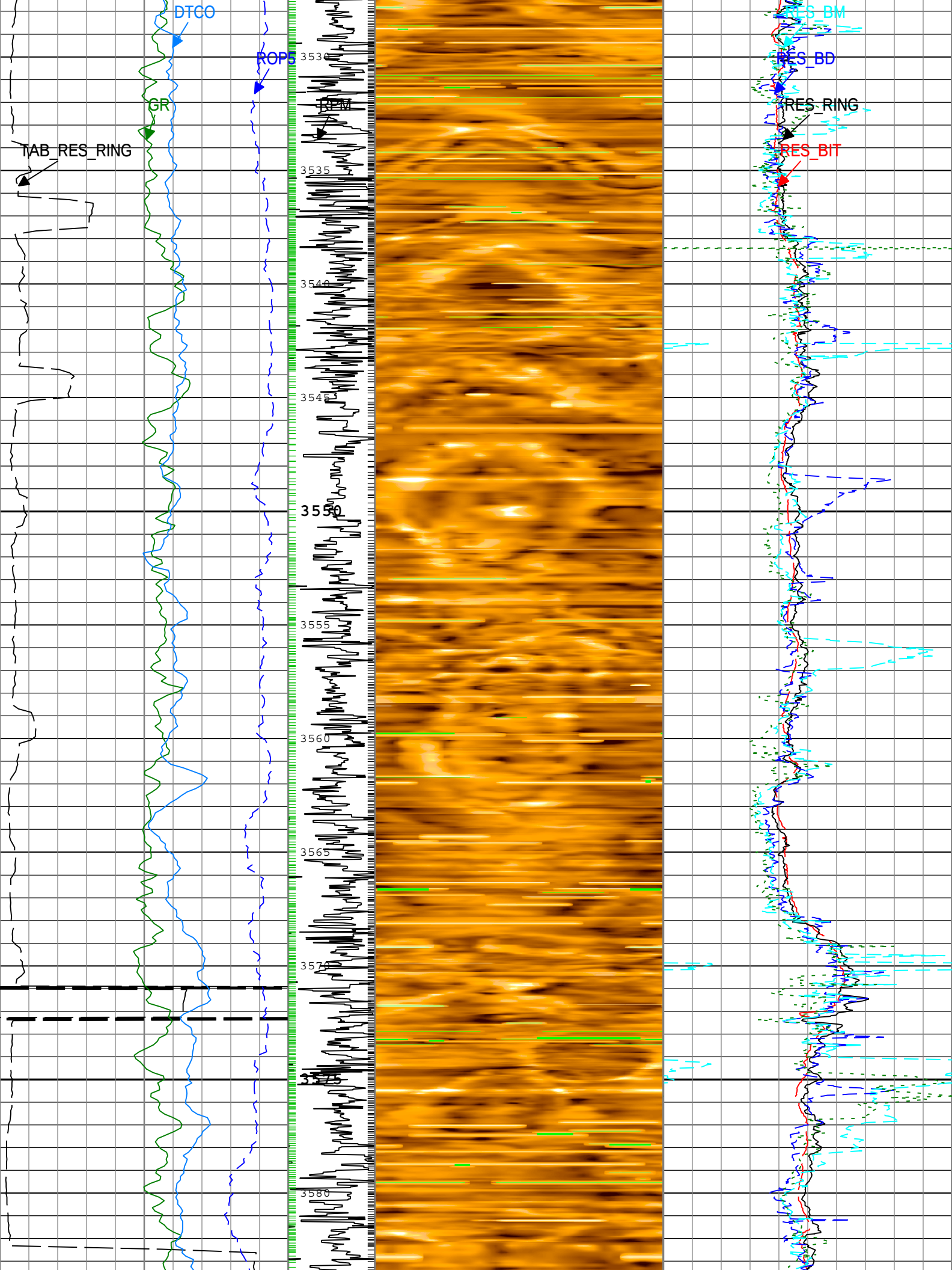


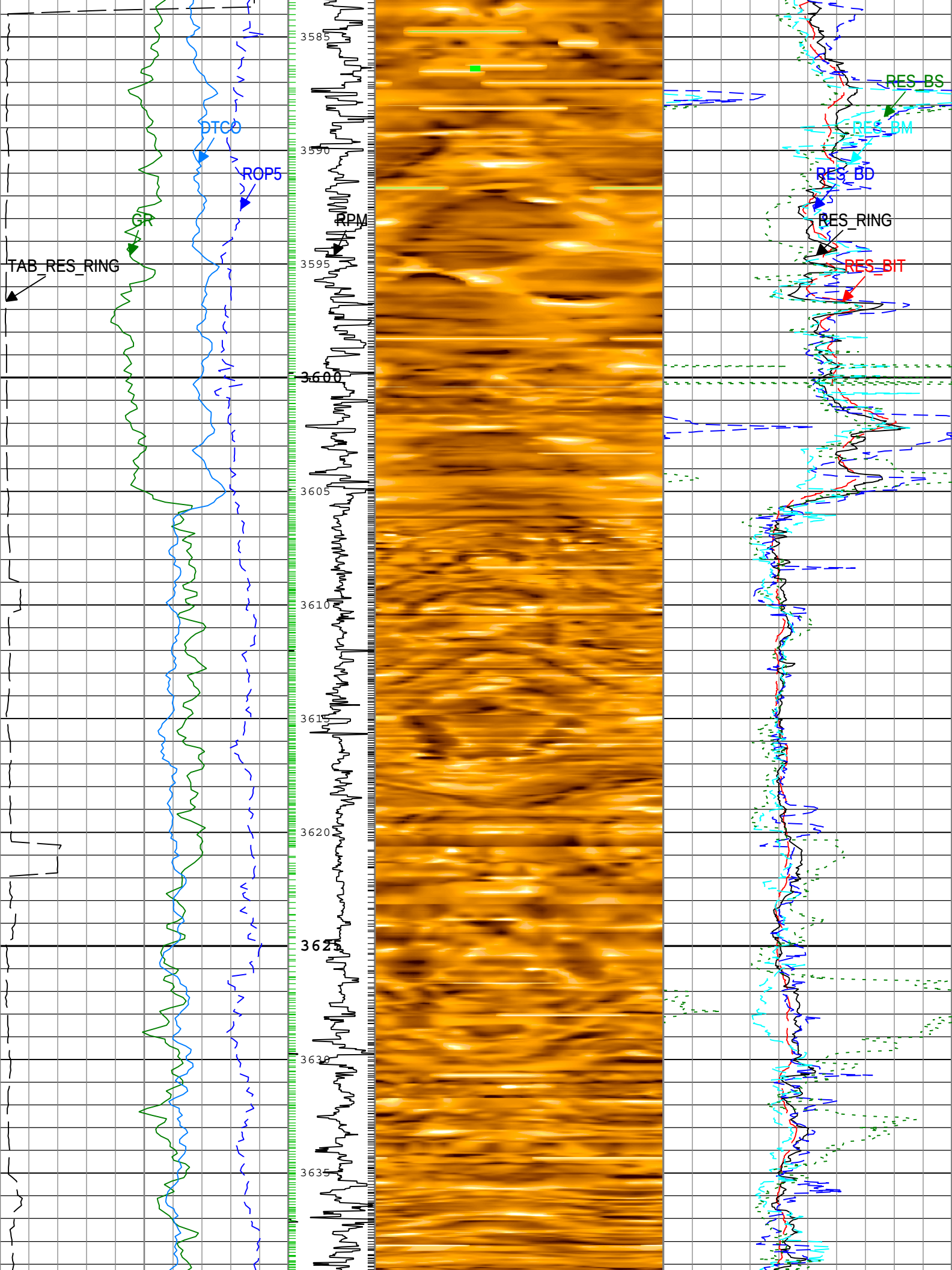


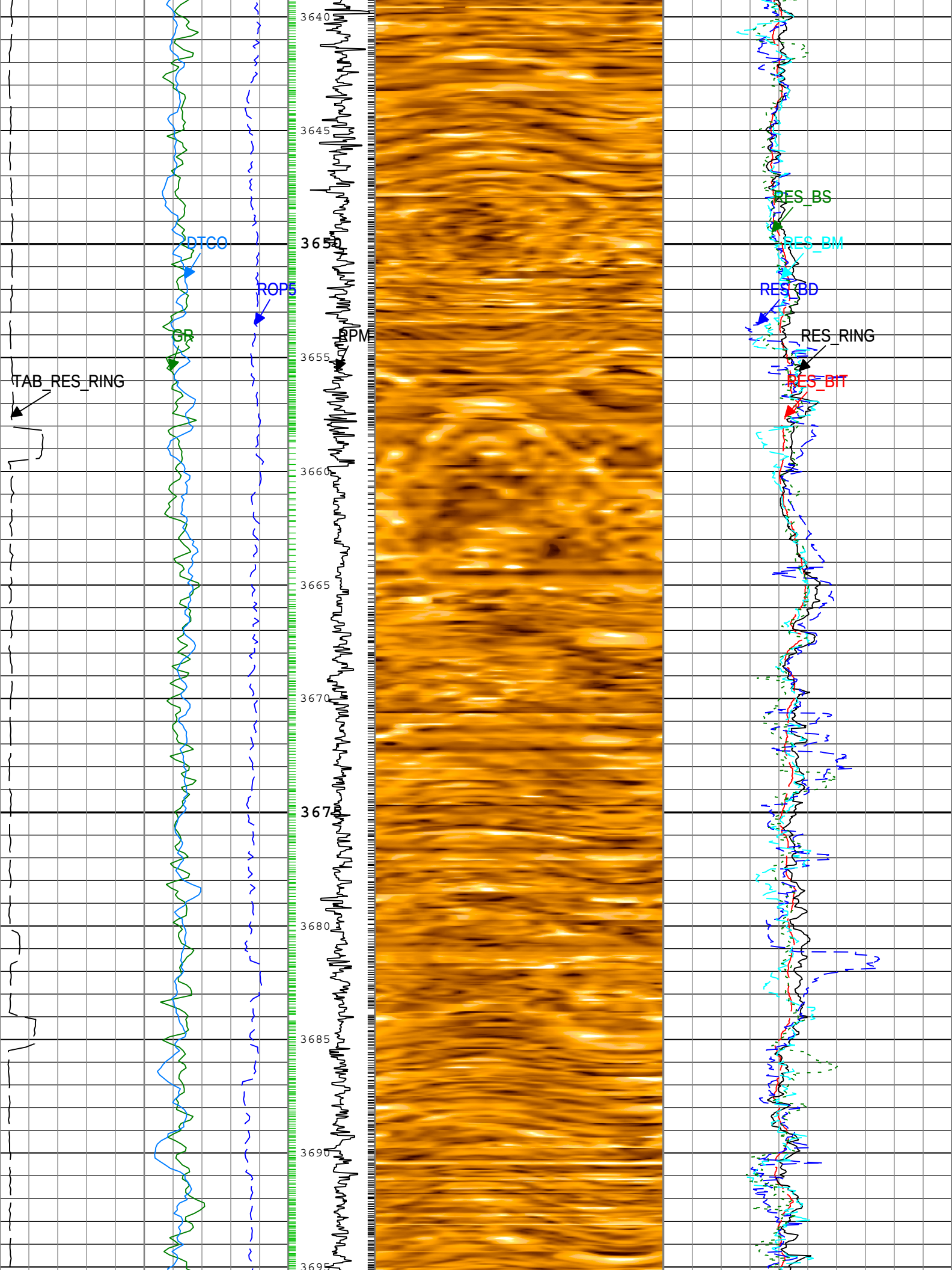


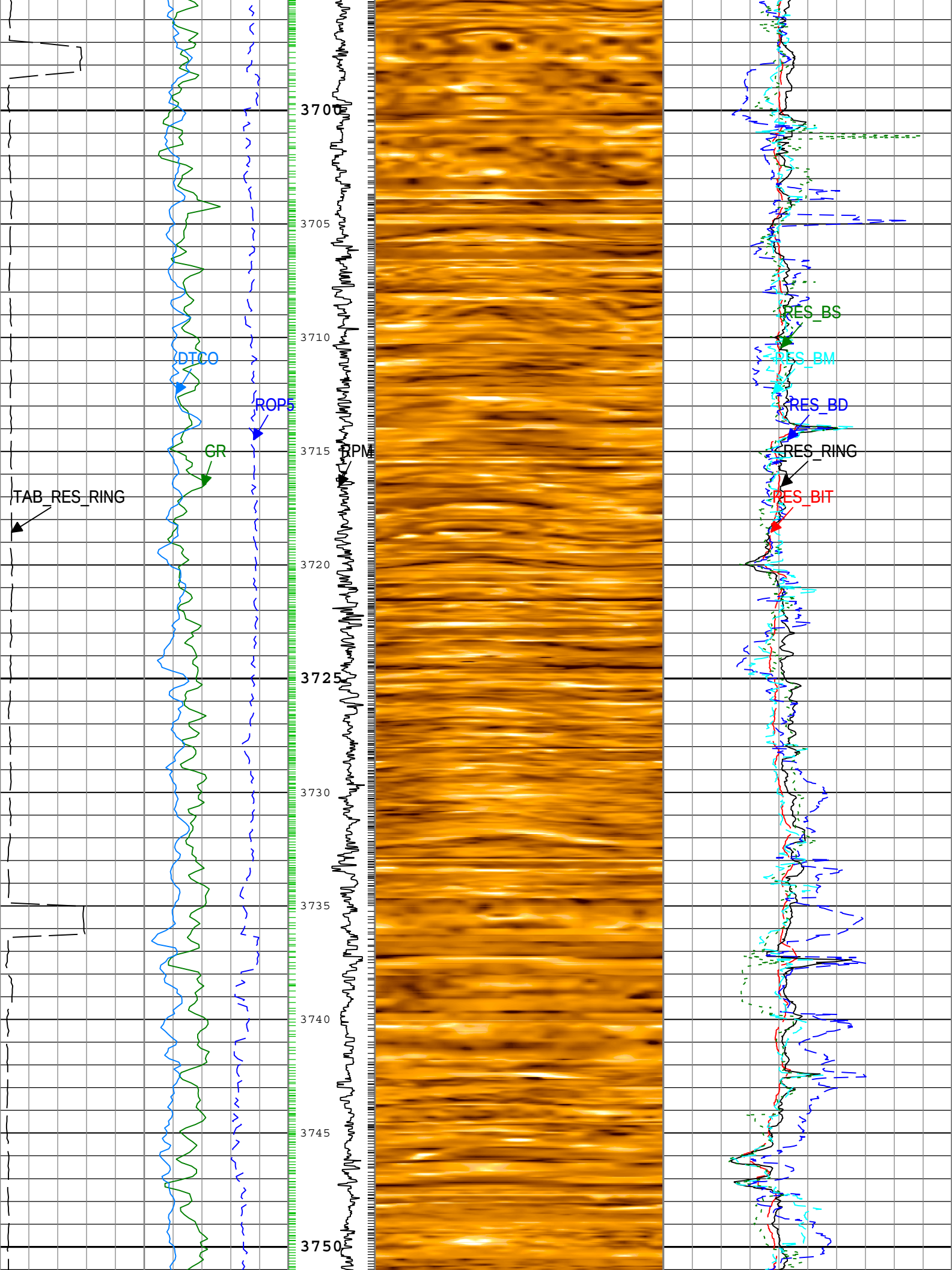


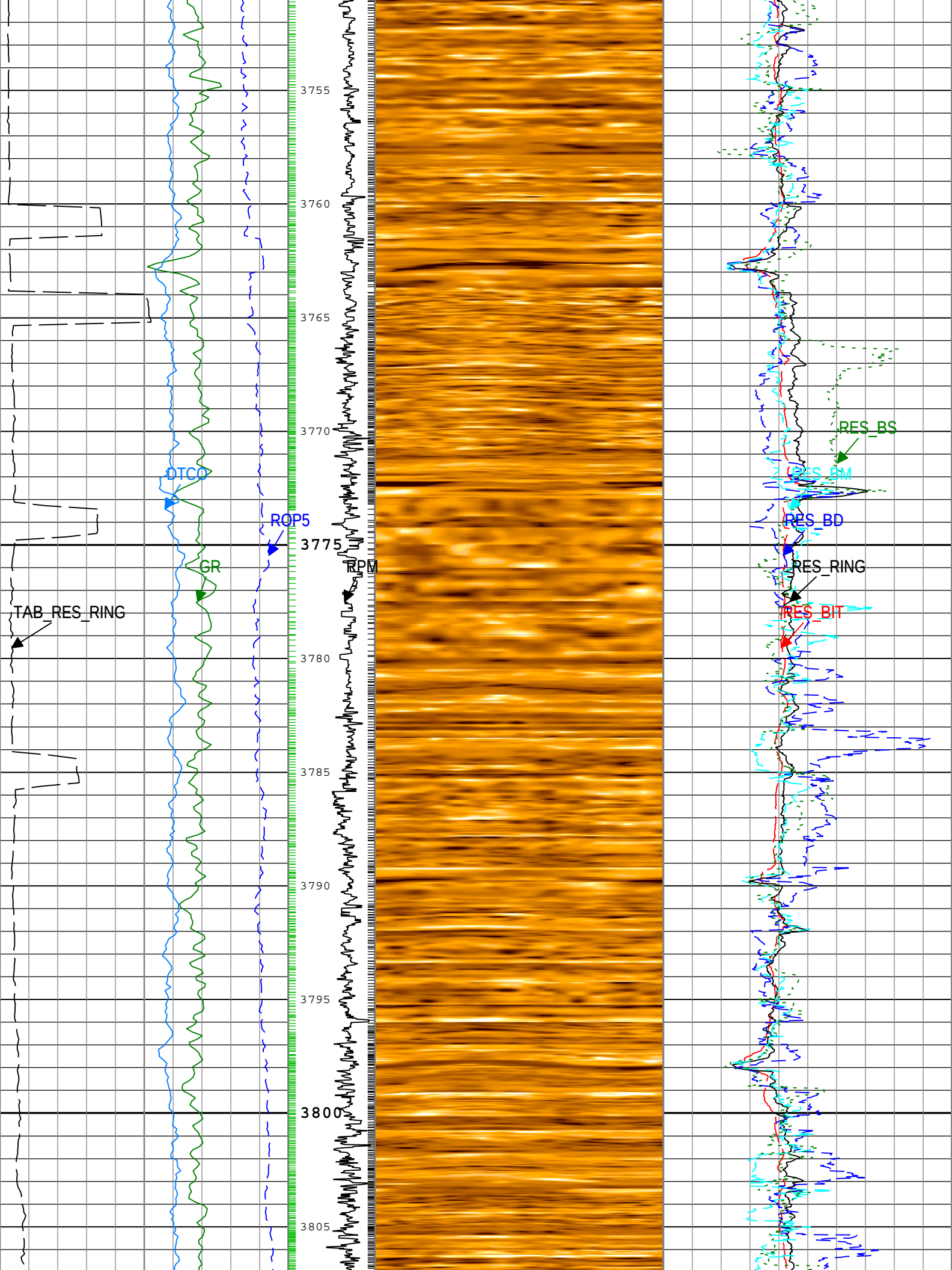


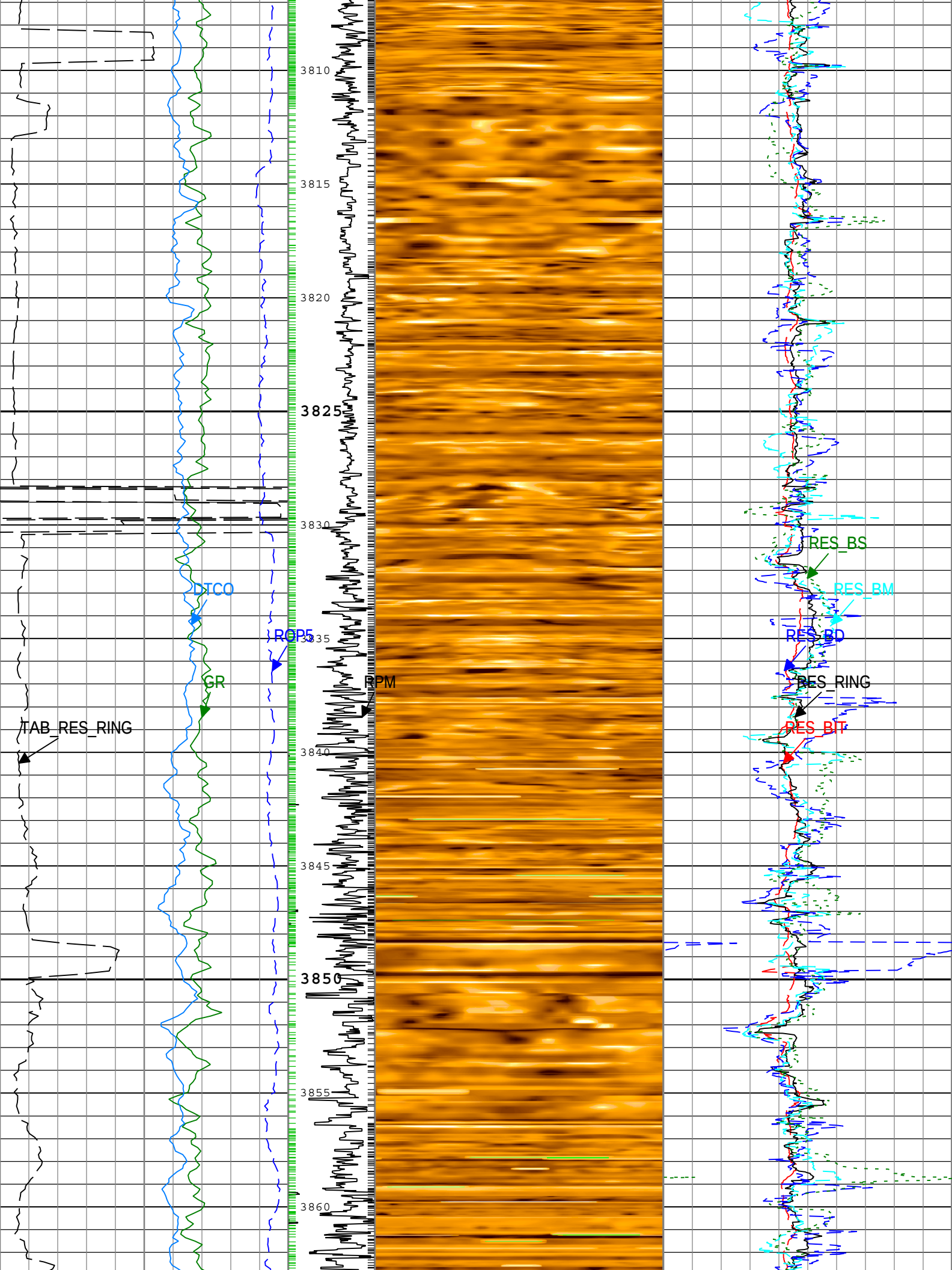


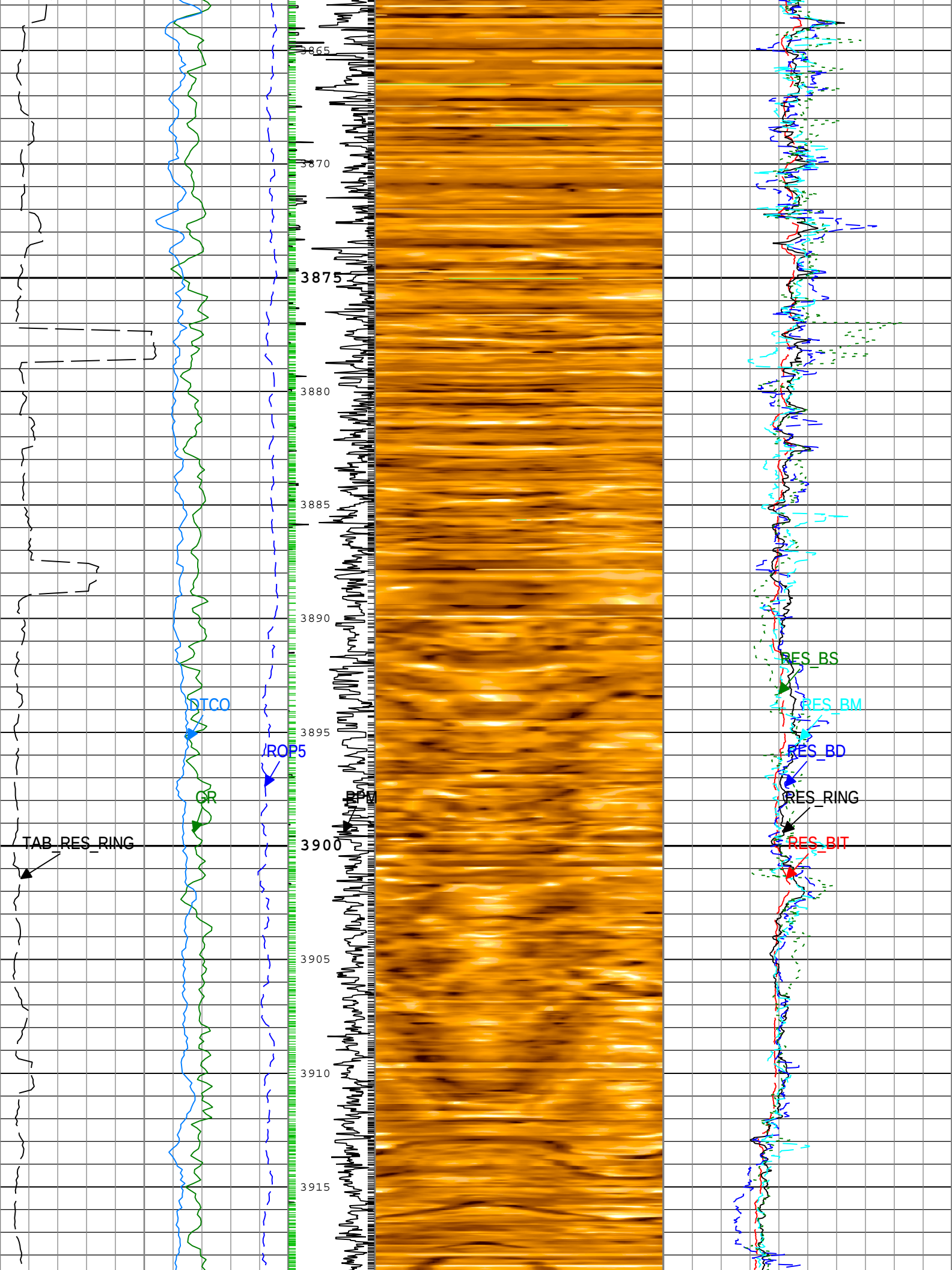


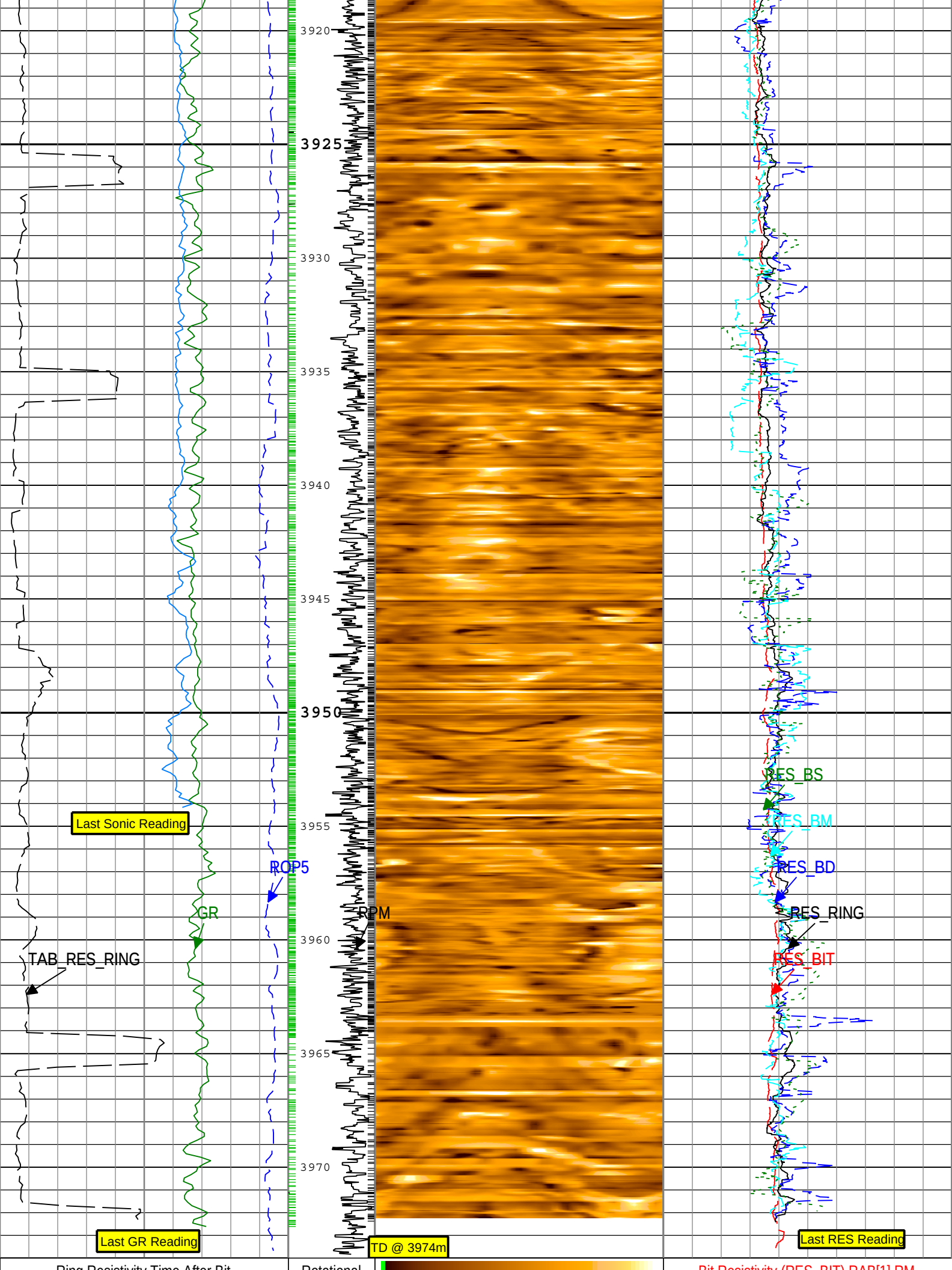












Ring Resistivity Time After Bit (TAB_RES_RING) RAB[1] RM 0h3 Gamma Ray (GR) RAB[1] RM 0gAPI150 Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 100m/h0 Delta-T Compressional (DTCO) sonicVISION[1] RM 160us/ft60	Rotational Speed (RPM) RAB[1] RM 0c/min200 Dynamic Gaussian Normalization RAB - Deep Button Resistivity Image RAB[1] RM Orientation: North Azimuth NESWN	Bit Resistivity (RES_BIT) RAB[1] RM 0ohm.m6 Ring Resistivity (RES_RING) RAB[1] RM 0ohm.m6 Deep Button Resistivity (RES_BD) RAB[1] RM 0ohm.m6 Medium Button Resistivity (RES_BM) RAB[1] RM 0ohm.m6 Shallow Button Resistivity (RES_BS) RAB[1] RM 0ohm.m6
TICKS_RING - Ring Sample Tick Marks RAB[1] RM TICKS_GR - Gamma Ray Tick Marks RAB[1] RM		

Description: GVR Resistivity, Deep Button Image
 Format: Log (Sonic-GVR Image-APWD Depth RM)
 Index Scale: 1:200
 Index Unit: m
 Index Type: Measured Depth
 Creation Date: 10-Jan-2013 16:19:07

Channel Processing Parameters				
Run001: Parameters				
Parameter	Description	Tool	Value	Unit
BHK	Drilling Fluid Potassium Concentration	Borehole	2.18	%
BHT	Bottom Hole Temperature	Borehole	33	degC
BS	Bit Size	DNMSESSION	12.25	in
CDTS	Correction for Delta-T Shale, Empirical	Borehole	100	us/ft
COLL	Label Slowness Lower Limit - Monopole P&S Compressional	SONICVISION8	Depth Zoned	us/ft
COUL	Label Slowness Upper Limit - Monopole P&S Compressional	SONICVISION8	Depth Zoned	us/ft
DDEL	Digitizing Delay	SONICVISION8	300	us
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	1.1	g/cm3
DFT	Drilling Fluid Type	Borehole	Water	
DTF	Delta-T Fluid	Borehole	189	us/ft
DTM	Delta-T Matrix	Borehole	56	us/ft
FIN_DTCO_MODE	Final DT Compressional STC Processing Mode	SONICVISION8	DDBHC	
FIN_DTCO_SRC	Final DT Compressional Source	SONICVISION8	Reassigned Uphole	
FIN_DTSH_MODE	Final DT Shear Slowness STC Processing Mode	SONICVISION8	DDBHC	
GGRD	Geothermal Gradient	Borehole	9.84	degC/km
GRSE_RM	Generalized Mud Resistivity Selection for Recorded Mode	Borehole	REMS	
GTSE_RT	Generalized Temperature Selection for Realtime Mode	Borehole	GTEM_GRDSURF(RT)	
ITT_OFFSET	Integrated Transit Time Offset	SONICVISION8	0	ms
MST	Mud Sample Temperature	Borehole	22	degC
NWED	Noise Window End	SONICVISION8	2000	us
RES_BD_IMG_SEL	GVR Output Resistivity Image Selection, Deep Button	RAB8	Compensated Uphole	
RMS	Resistivity of Mud Sample	Borehole	0.1	ohm.m
SBIN	Search Band Inset	SONICVISION8	200	
SBWD	Search Band Width	SONICVISION8	1400	
SHLL	Label Slowness Lower Limit - Monopole P&S Shear	SONICVISION8	75	us/ft
SHT	Surface Hole Temperature	Borehole	11.7	degC
SHUL	Label Slowness Upper Limit - Monopole P&S Shear	SONICVISION8	240	us/ft
SIGE	Waveform Signal End Time	SONICVISION8	1700	us

SIGM	Waveform Signal Move Out	SONICVISION8	100	us/ft
SIGST	Waveform Signal Start Time	SONICVISION8	1200	us
SPFS	Sonic Porosity Formula	Borehole	Raymer-Hunt	
SPSO_LWD	Sonic Porosity Source Logging While Drilling	SONICVISION8	DTRA	
SWD_FIL_HIGH	Pre-STC filter high frequency cutoff (in kHz)	SONICVISION8	0	kHz
SWD_FIL LENG	Pre-STC filter length	SONICVISION8	1	
SWD_FIL_LOW	Pre-STC filter low frequency cutoff (in kHz)	SONICVISION8	0	kHz
SWD_FILTER	Pre-STC Filter Selection	SONICVISION8	No Filter	
SWD_PR_SEL	Sonic Processing Option	SONICVISION8	Both	
TD	Total Measured Depth	Borehole	3974	m
TEMP_SEL_RAB	RAB Temperature Selection	RAB8	Tool	

Run001Depth Zoned Parameters			
Parameter	Value	Start (m)	Stop (m)
COLL	90	2840	3645
COLL	70	3645	3973.83
COUL	140	2840	3645
COUL	120	3645	3973.83

All depth are actual.

Tool Control Parameters	
-------------------------	--

Run001: Parameters				
Parameter	Description	Tool	Value	Unit
OFFBTM_TH	Threshold for deciding whether the bit is off bottom	DNMSESSION	Time Zoned	m

Run001Time Zoned Parameters

Pass Drilling					
Parameter	Value	Start Time	Stop Time	Start Depth (m)	Stop Depth (m)
OFFBTM_TH	0.5	03-Nov-2012 03:03:09	03-Nov-2012 13:40:49	2843.12	2971.8
OFFBTM_TH	0.3	03-Nov-2012 13:40:49	05-Nov-2012 08:09:44	2971.8	3392.88
OFFBTM_TH	0.2	05-Nov-2012 08:09:44	05-Nov-2012 08:51:21	3392.88	3397.71
OFFBTM_TH	0.35	05-Nov-2012 08:51:21	06-Nov-2012 22:42:48	3397.71	3518.15
OFFBTM_TH	0.4	06-Nov-2012 22:42:48	07-Nov-2012 04:16:51	3518.15	3552.24
OFFBTM_TH	0.5	07-Nov-2012 04:16:51	08-Nov-2012 03:35:35	3552.24	3599.23
OFFBTM_TH	0.5	08-Nov-2012 03:35:35	09-Nov-2012 22:33:15	3599.23	3846.53
OFFBTM_TH	0.6	09-Nov-2012 22:33:15	12-Nov-2012 10:34:01	3846.53	3973.83

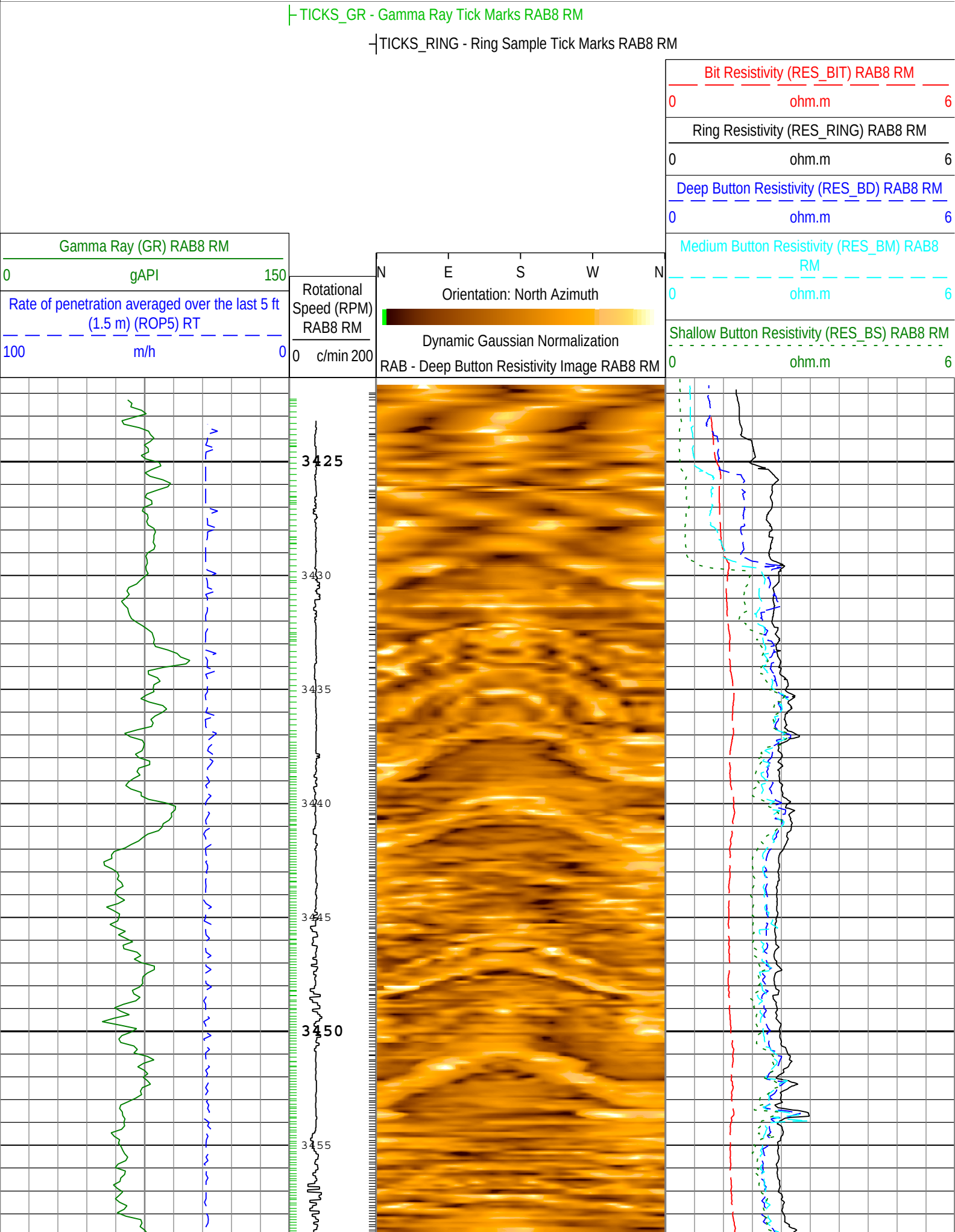
All depth are at tool zero.

Run001							

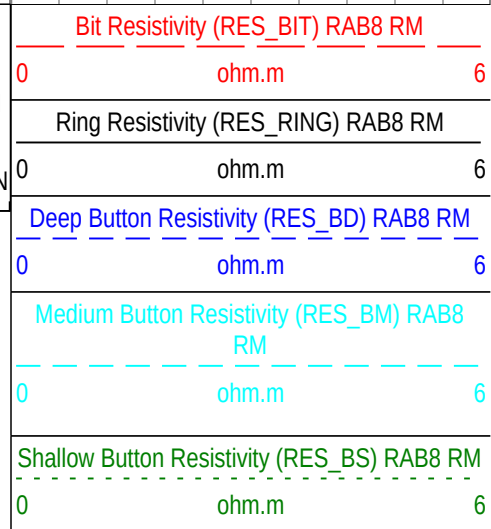
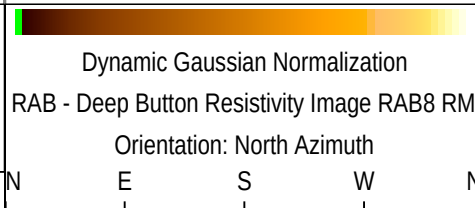
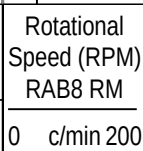
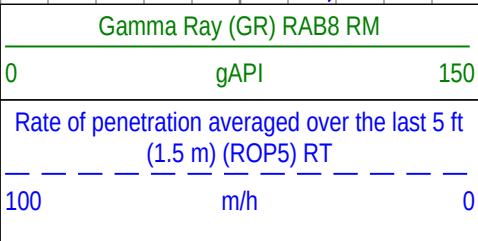
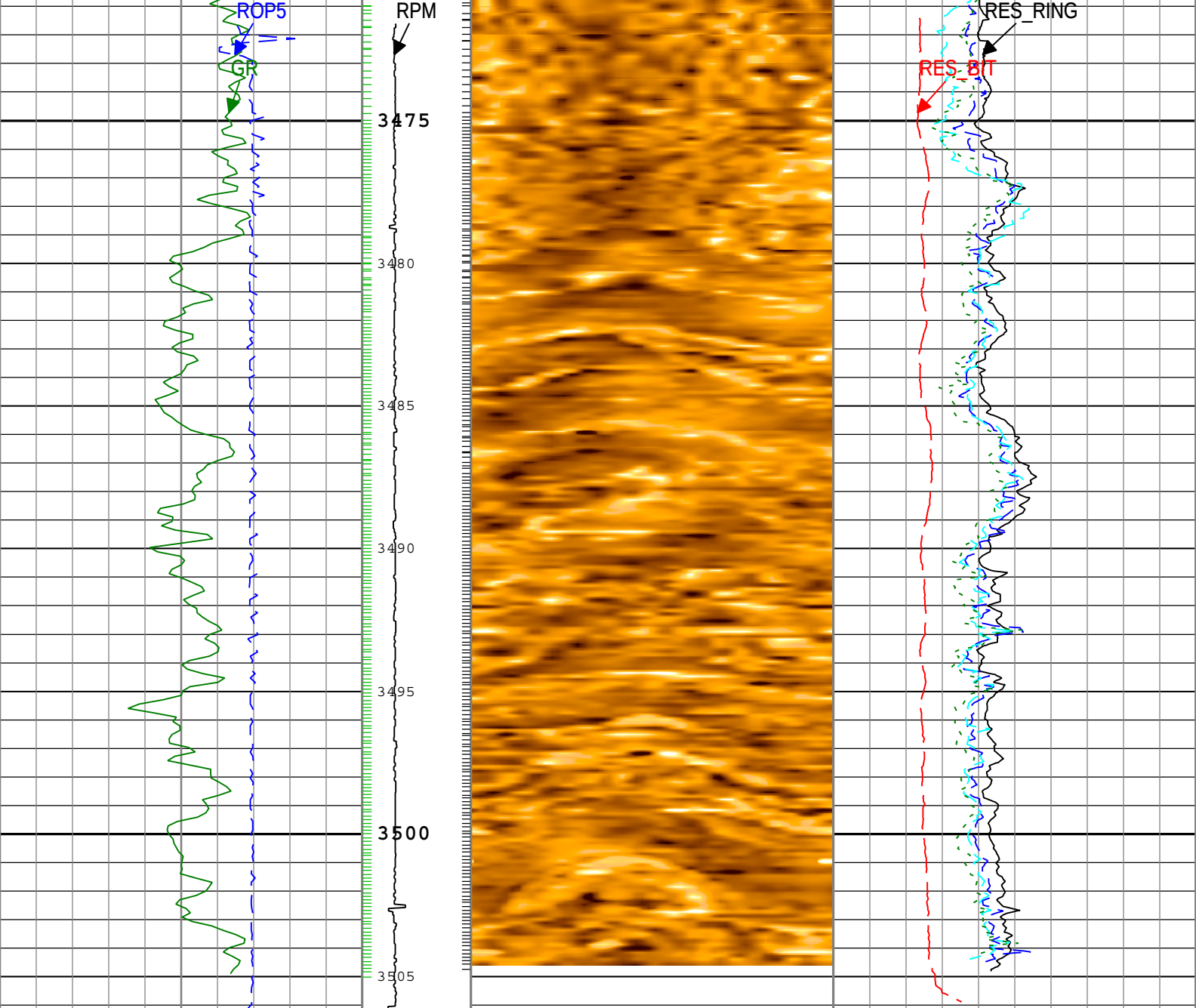
Integration Summary									
Output Channel(s)		Output Description		Input Parameter		Output Value		Unit	
Pass Summary									
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data		
Run001	Ream Up 1	Up	3423.21 m	3463.75 m	05-Nov-2012 2:36:08 PM	05-Nov-2012 4:02:47 PM			
All depths are referenced to toolstring zero									

All depths are referenced to toolstring zero

Log	Run001: Ream Up 1
-----	-------------------



[illegible]

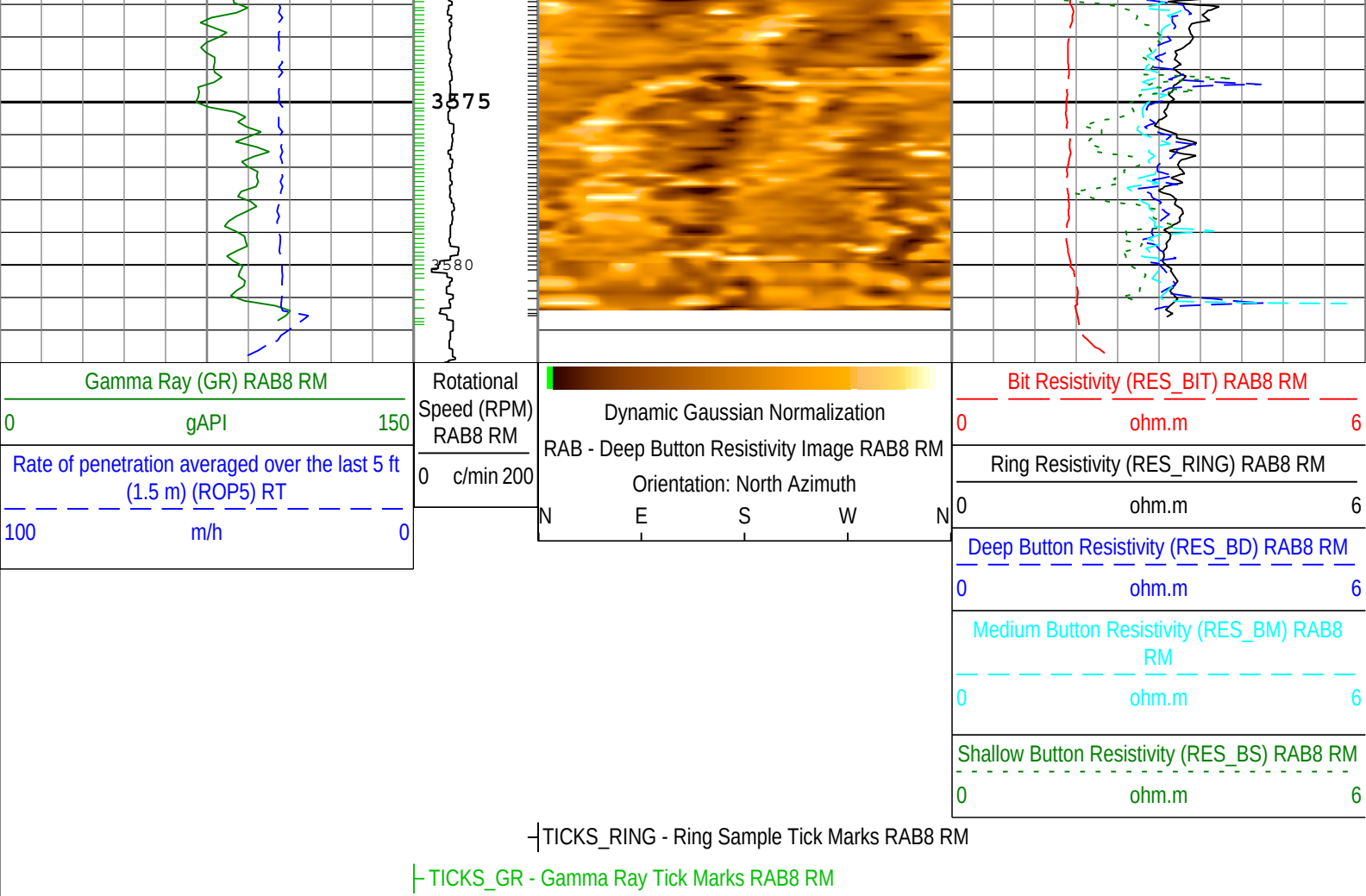


TICKS_RING - Ring Sample Tick Marks RAB8 RM

TICKS_GR - Gamma Ray Tick Marks RAB8 RM

Description: GVR Resistivity, Deep Button Image Format: Log (GVR Image-APWD Depth RM) Index Scale: 1:200 Index Unit: m Index Type: Measured
Depth Creation Date: 10-Jan-2013 16:19:24

Run001



Description: GVR Resistivity, Deep Button Image Format: Log (GVR Image-APWD Depth RM) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 10-Jan-2013 16:19:25

Run001

Integration Summary

Output Channel(s)		Output Description		Input Parameter		Output Value		Unit
Pass Summary								
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data	
Run001	Drilling	Down	2843.12 m	3973.83 m	03-Nov-2012 3:03:09 AM	12-Nov-2012 10:34:01 AM		

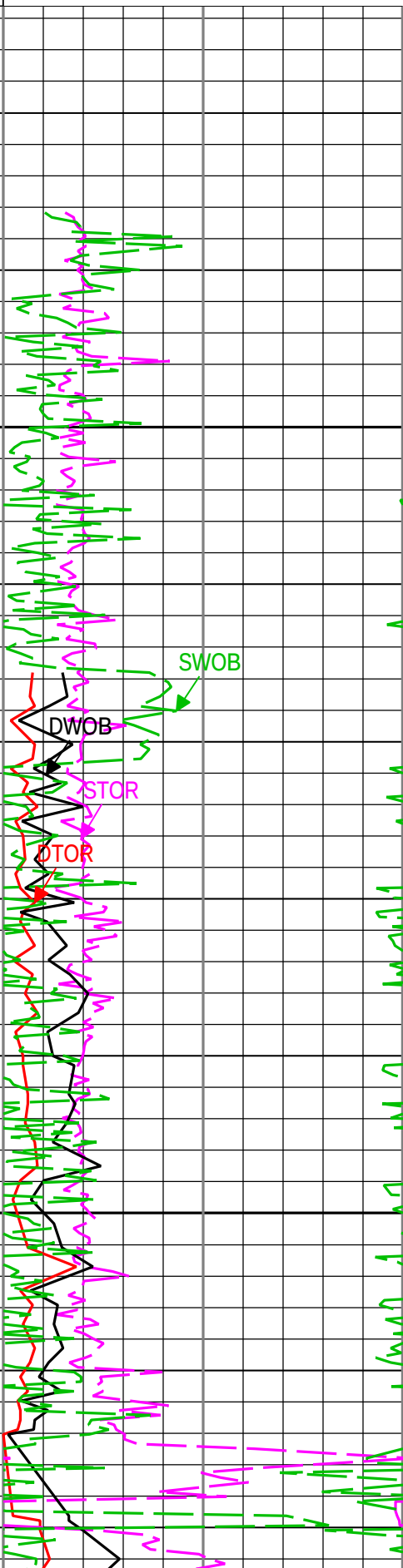
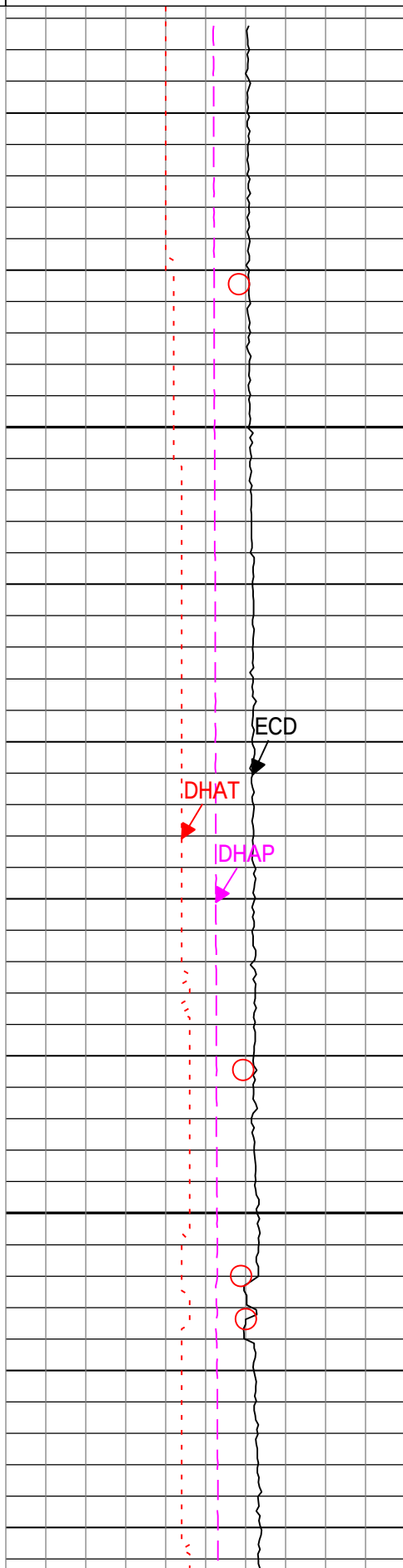
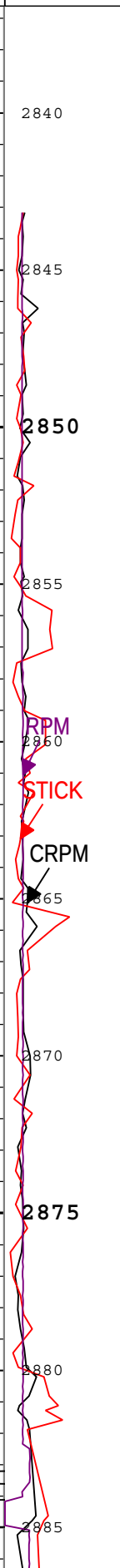
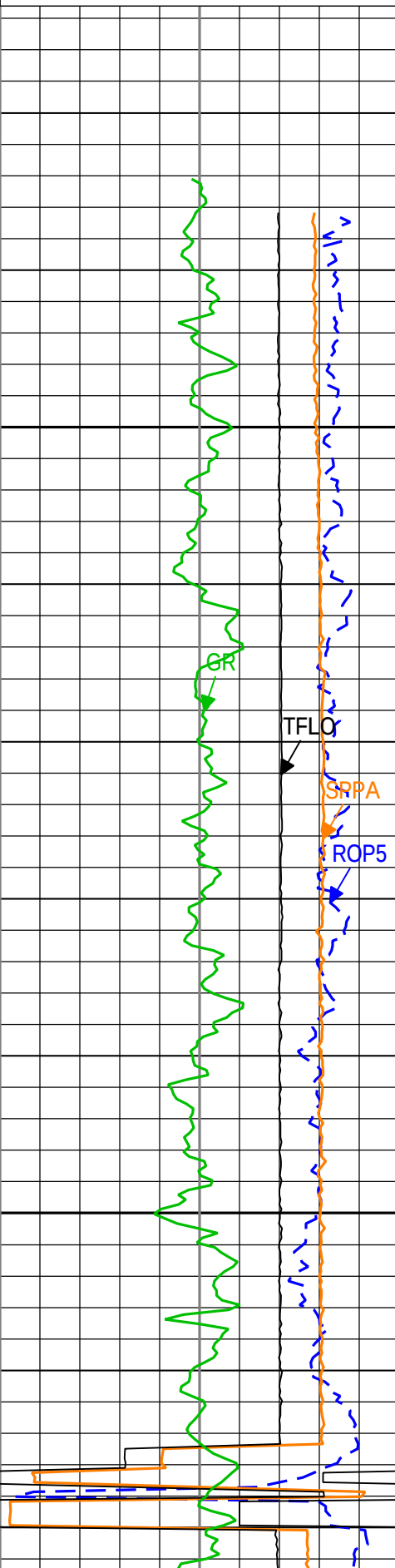
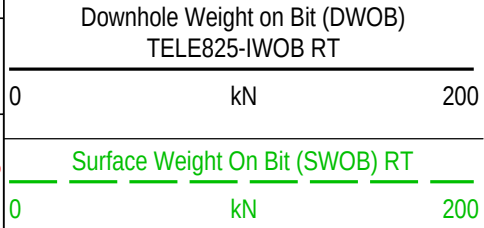
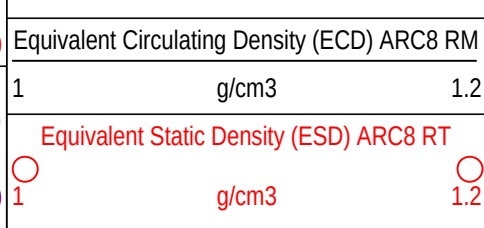
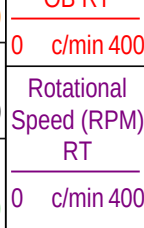
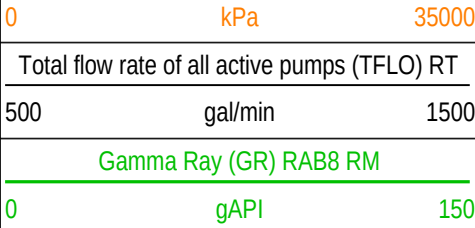
All depths are referenced to toolstring zero

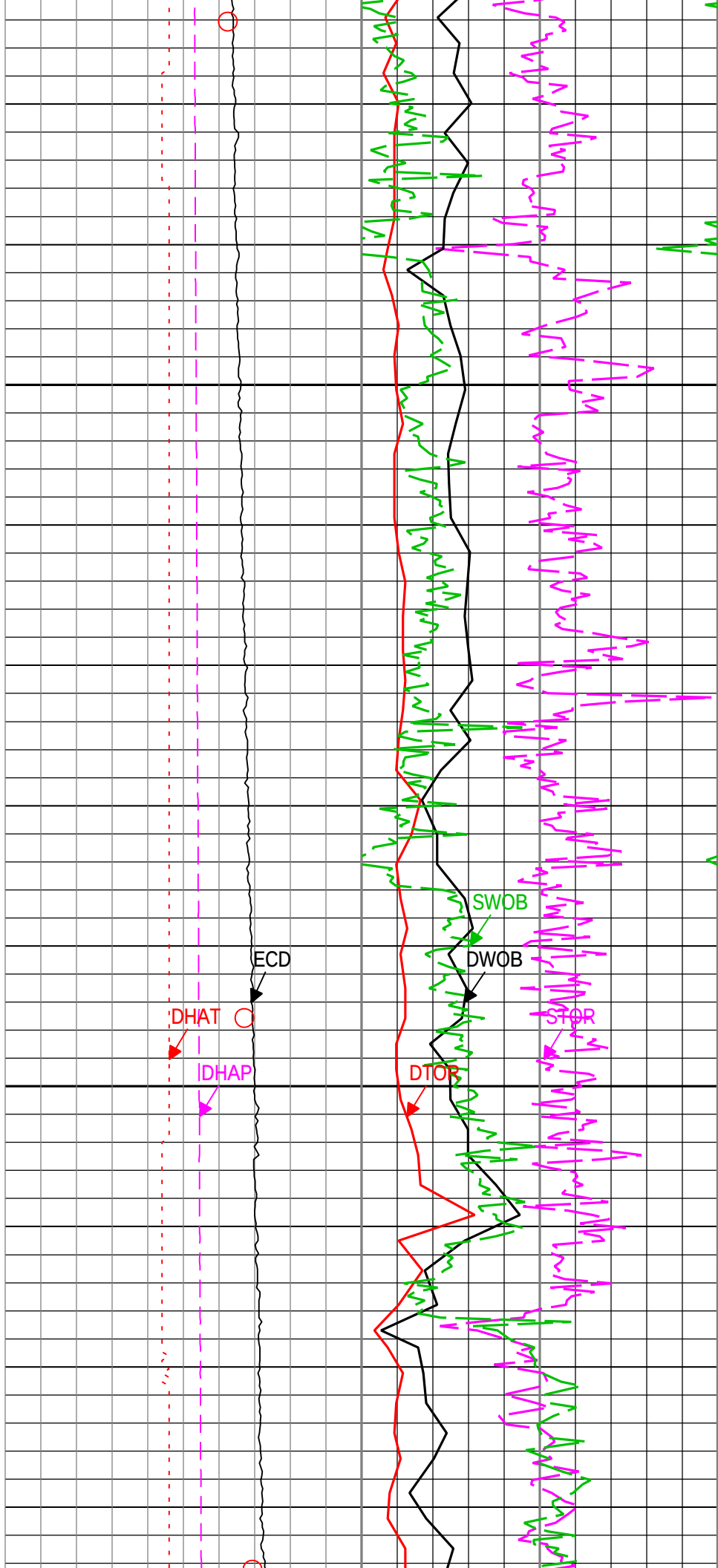
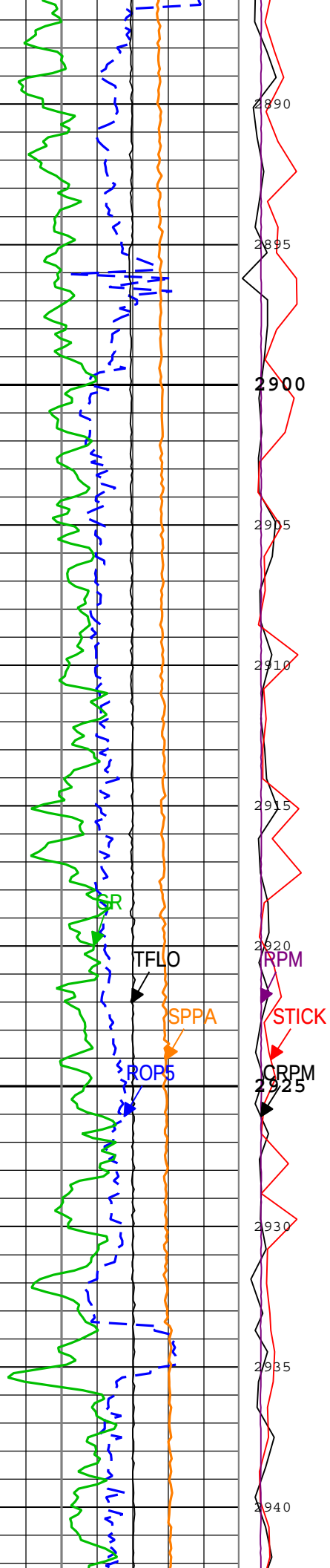
Log

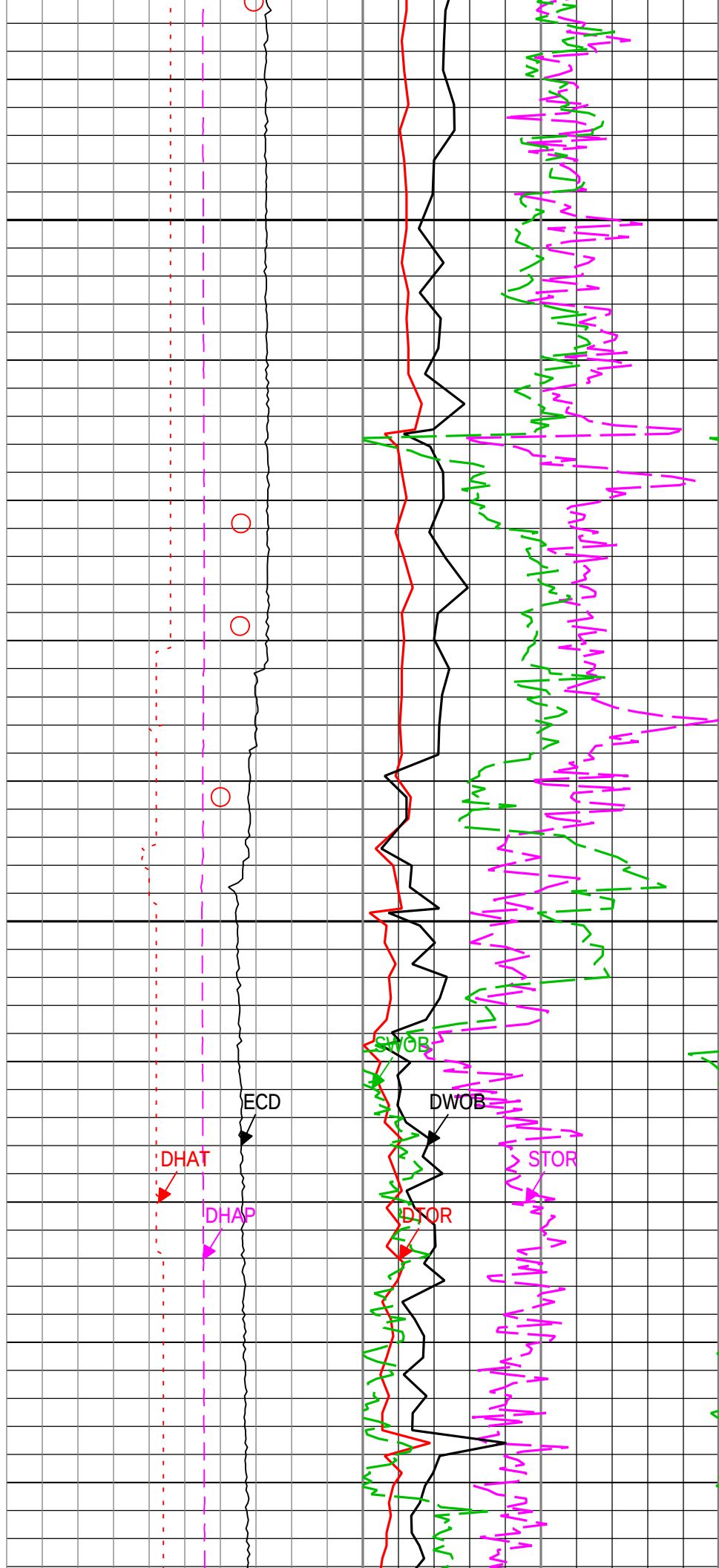
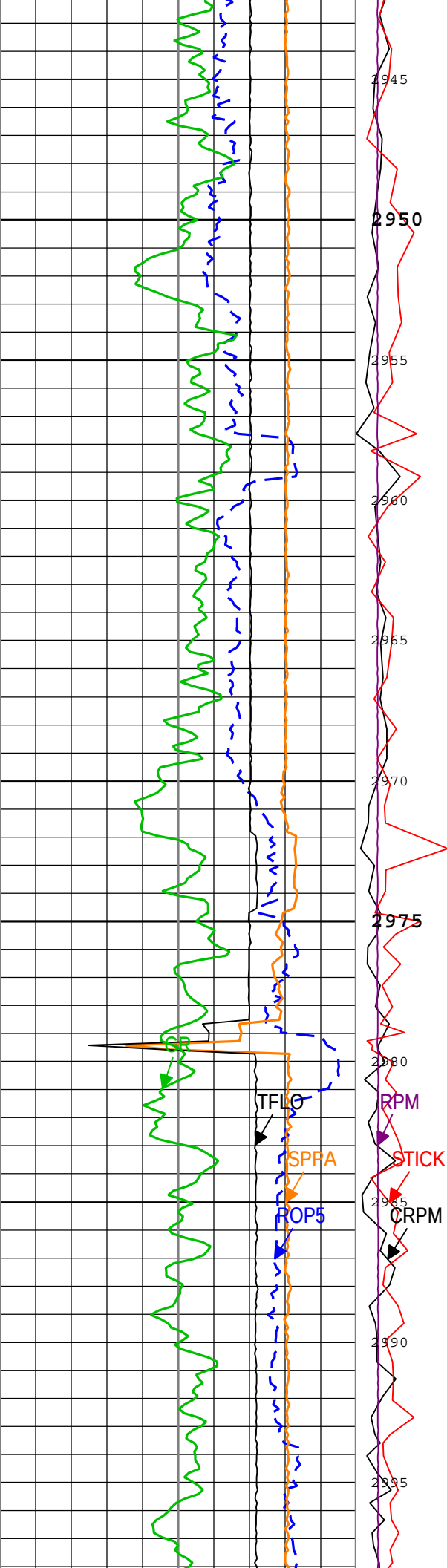
Run001: Drilling

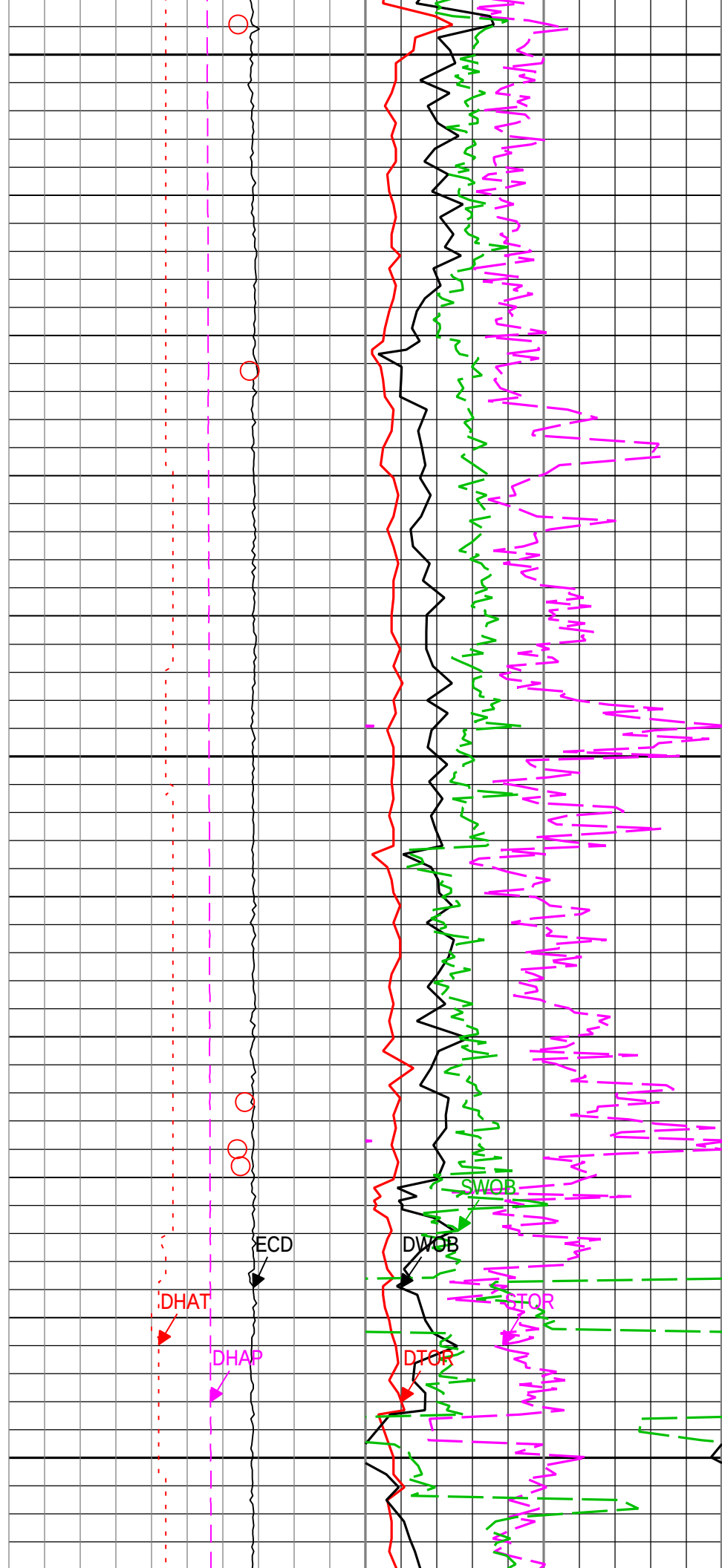
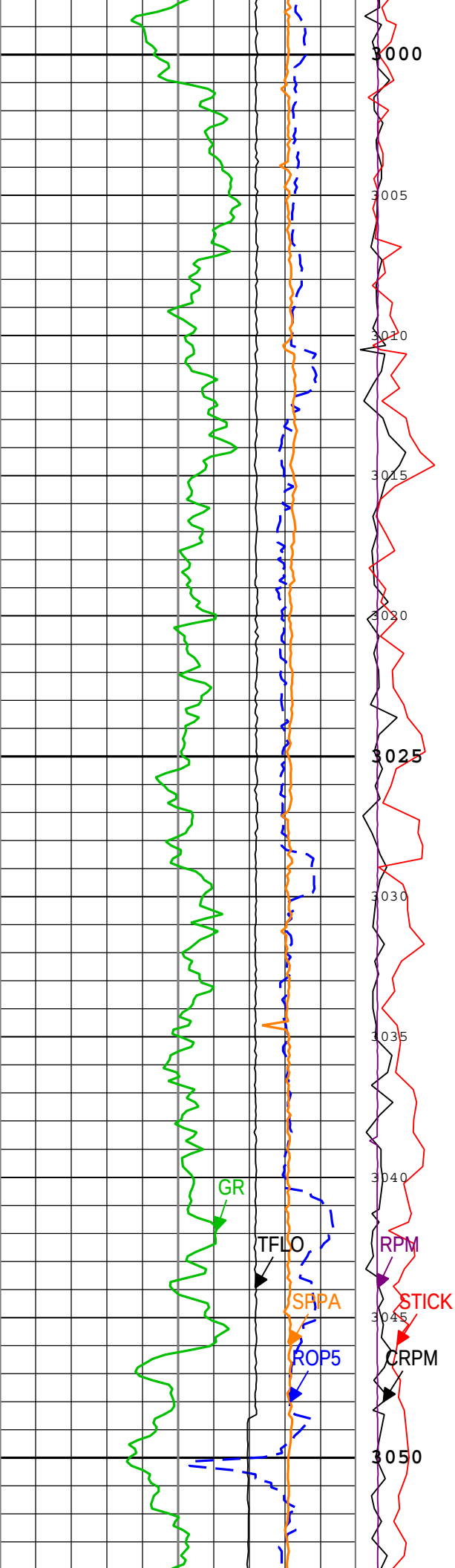
Description: Format: Log (DML Depth RM) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 10-Jan-2013 16:19:27

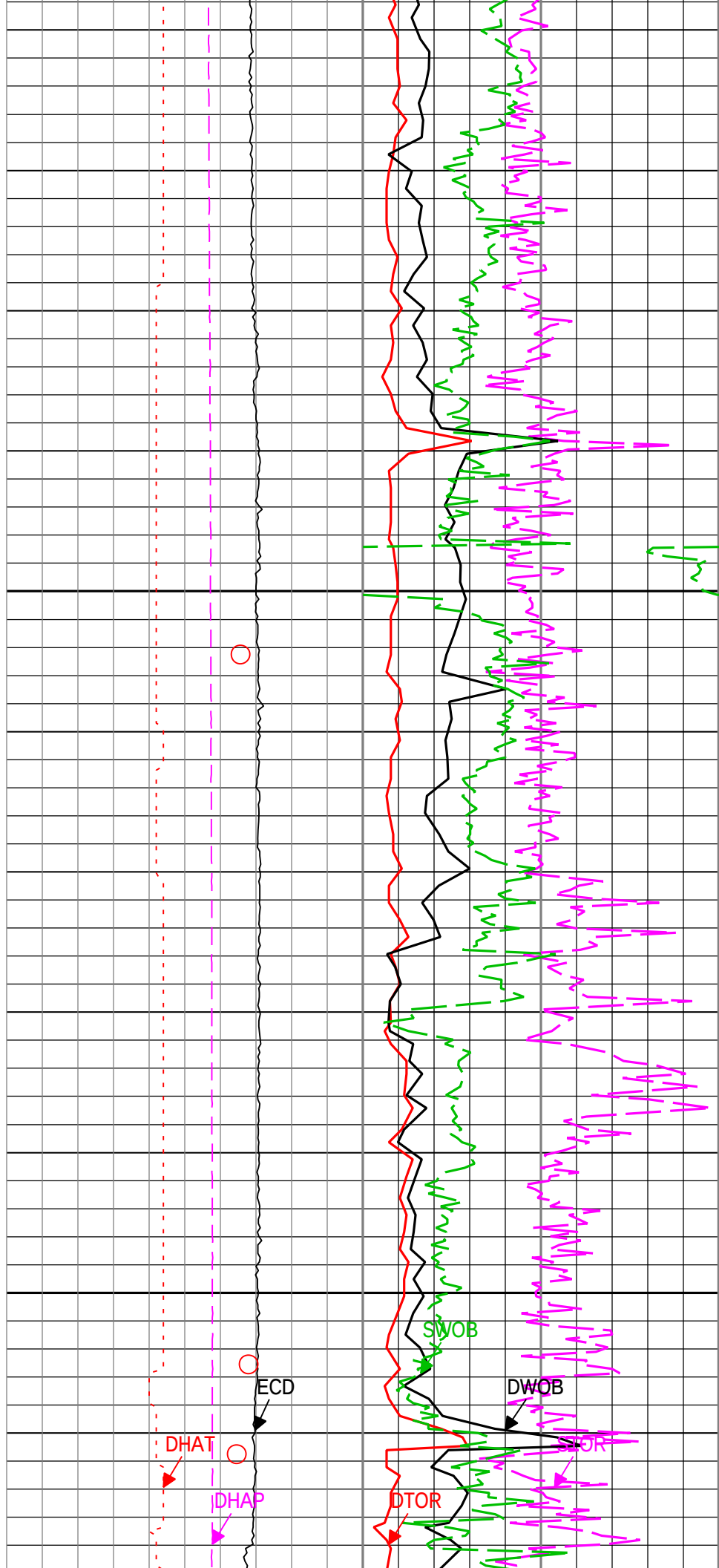
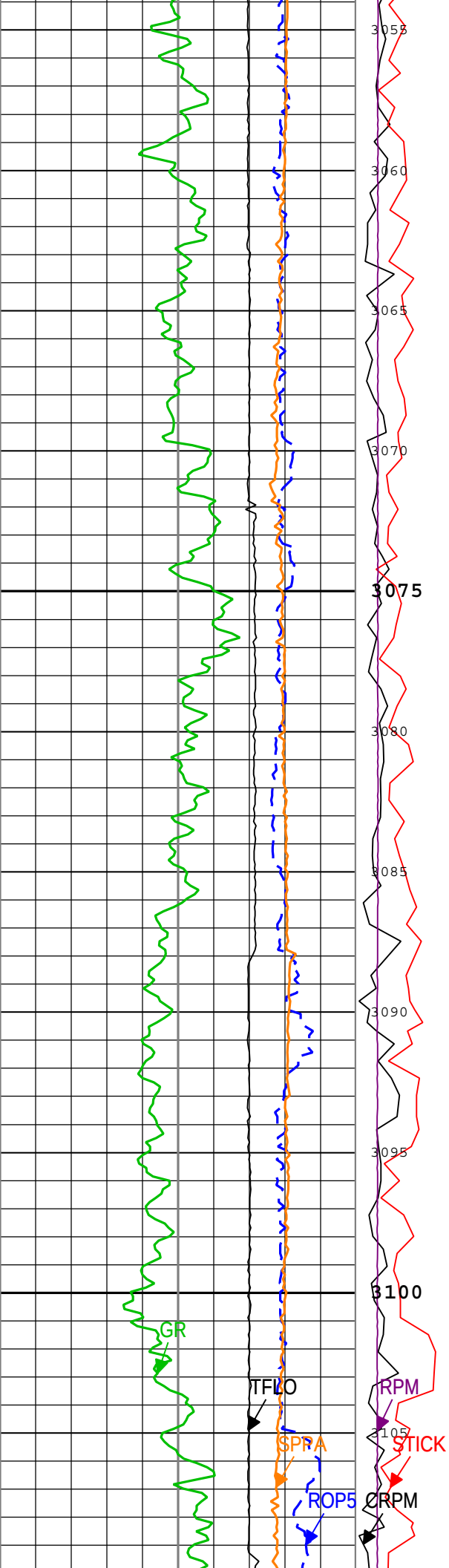
Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT 0 100 m/h 0	Collar Rotational Speed (CRPM) TELE825-IW OB RT 0 c/min 400	Downhole Annulus Pressure (DHAP) ARC8 RM 0 kPa 60000		Downhole Torque (MWD) (DTOR) TELE825-IWOB RT 0 kN.m 20	
		Downhole Annulus Temperature (DHAT) ARC8 RM 0 degC 50		Surface Torque (STOR) RT 0 kN.m 20	
		Standpipe Pressure (SPPA) RT 0			

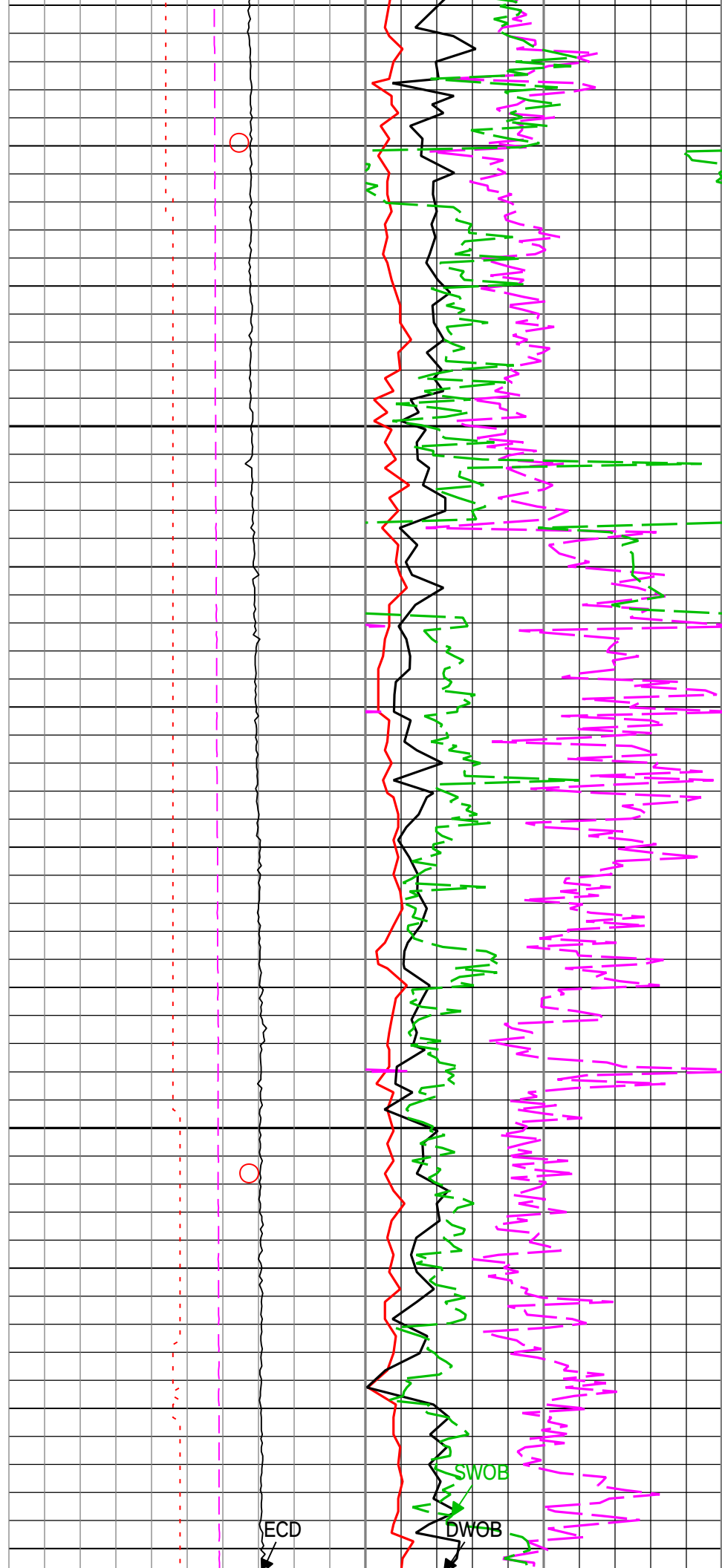
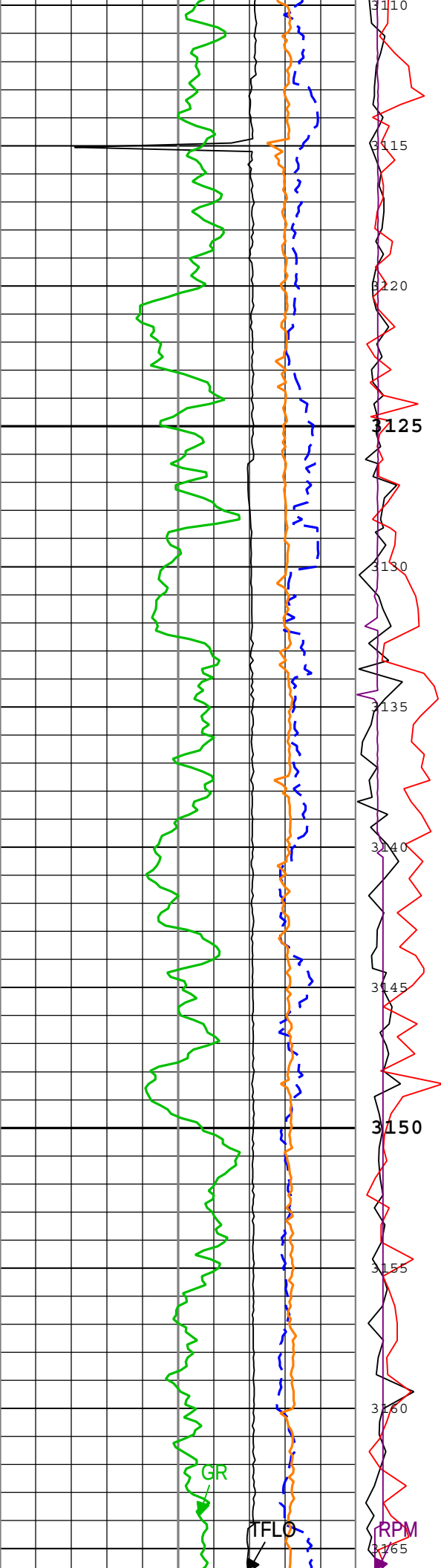


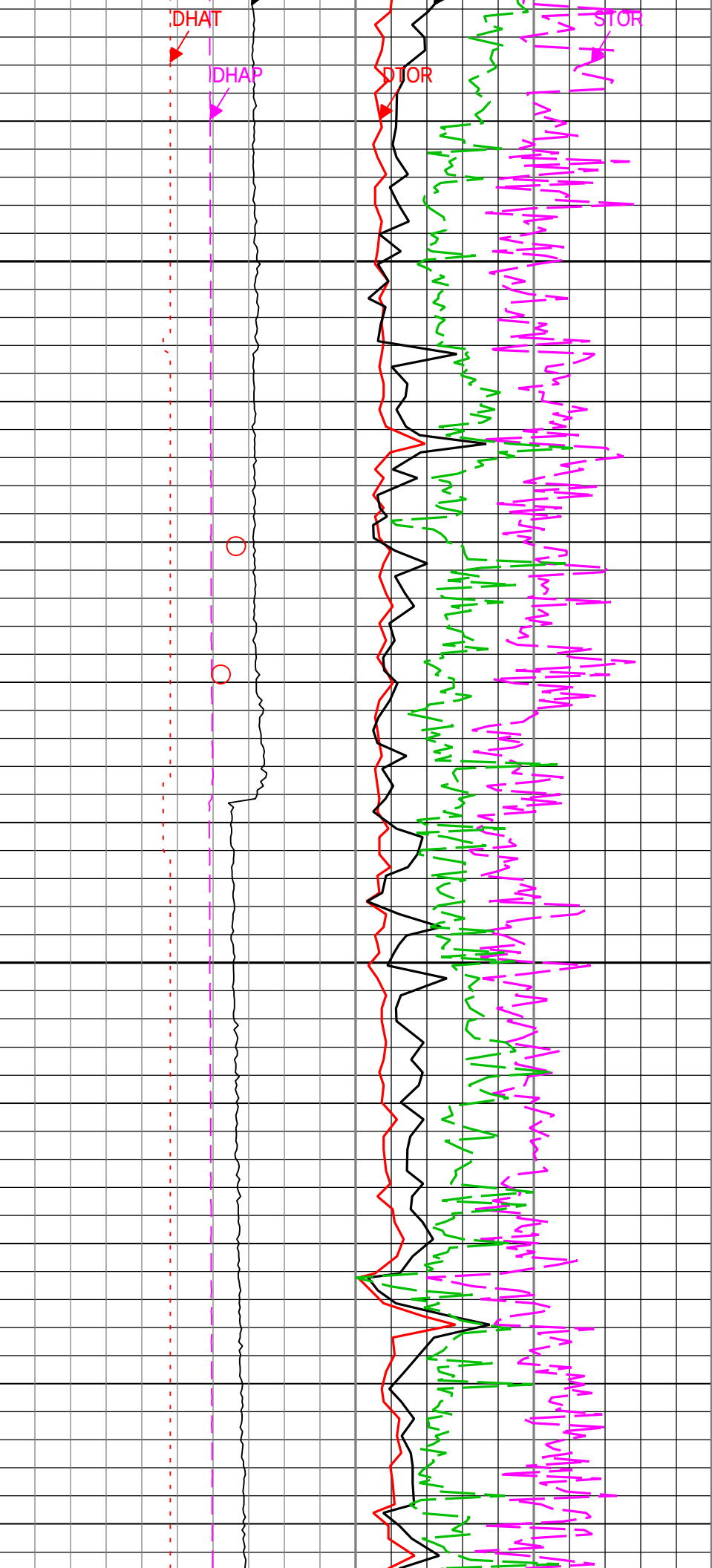
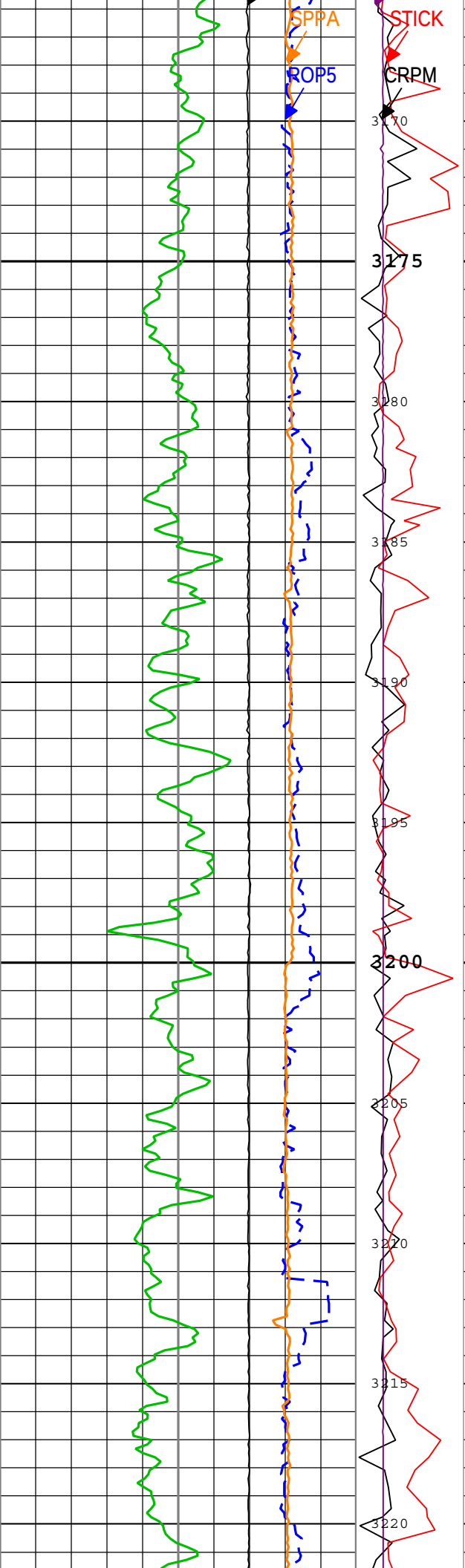


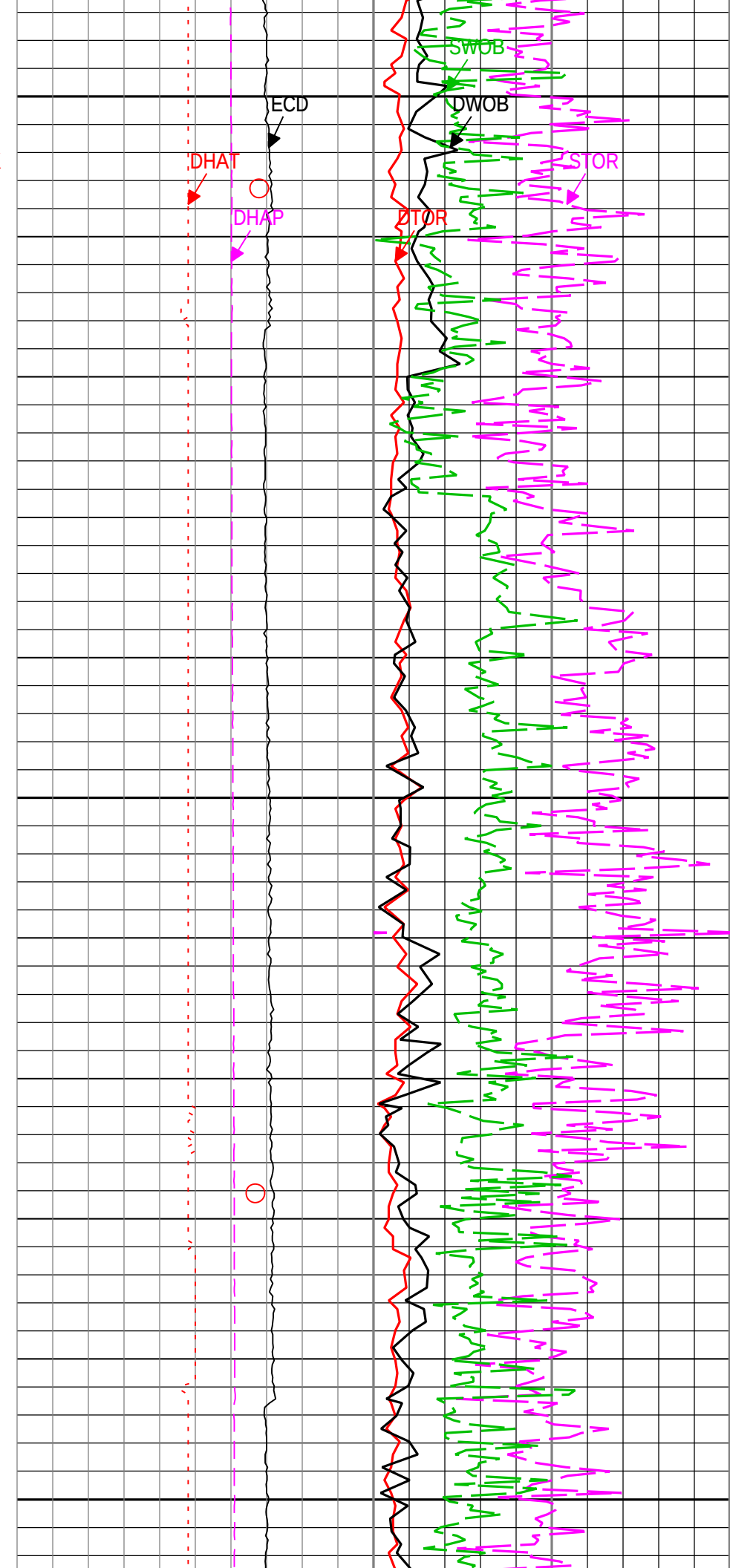
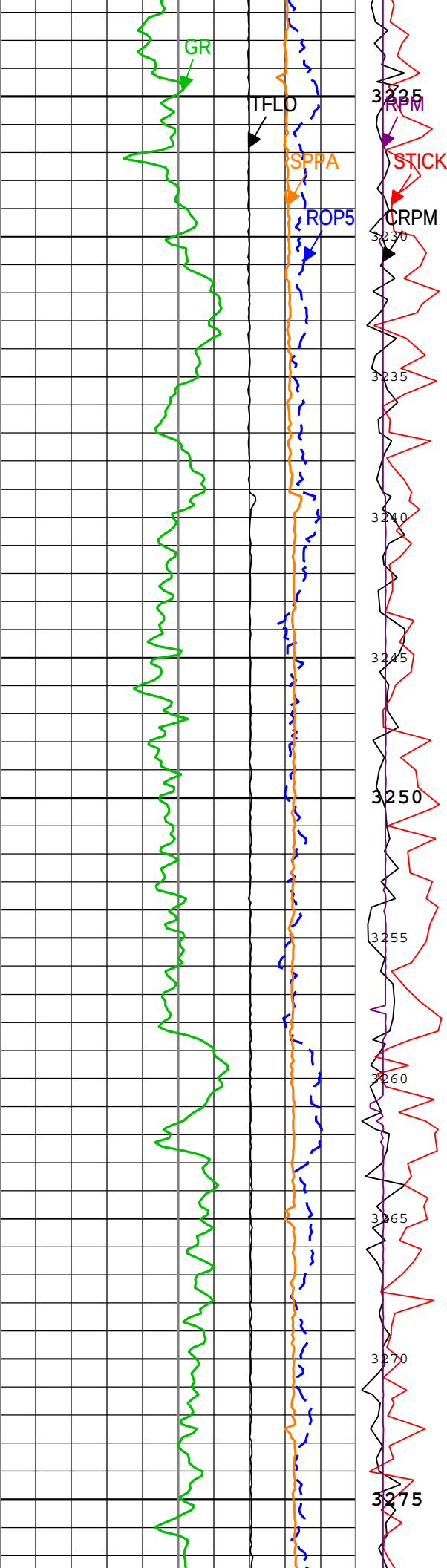


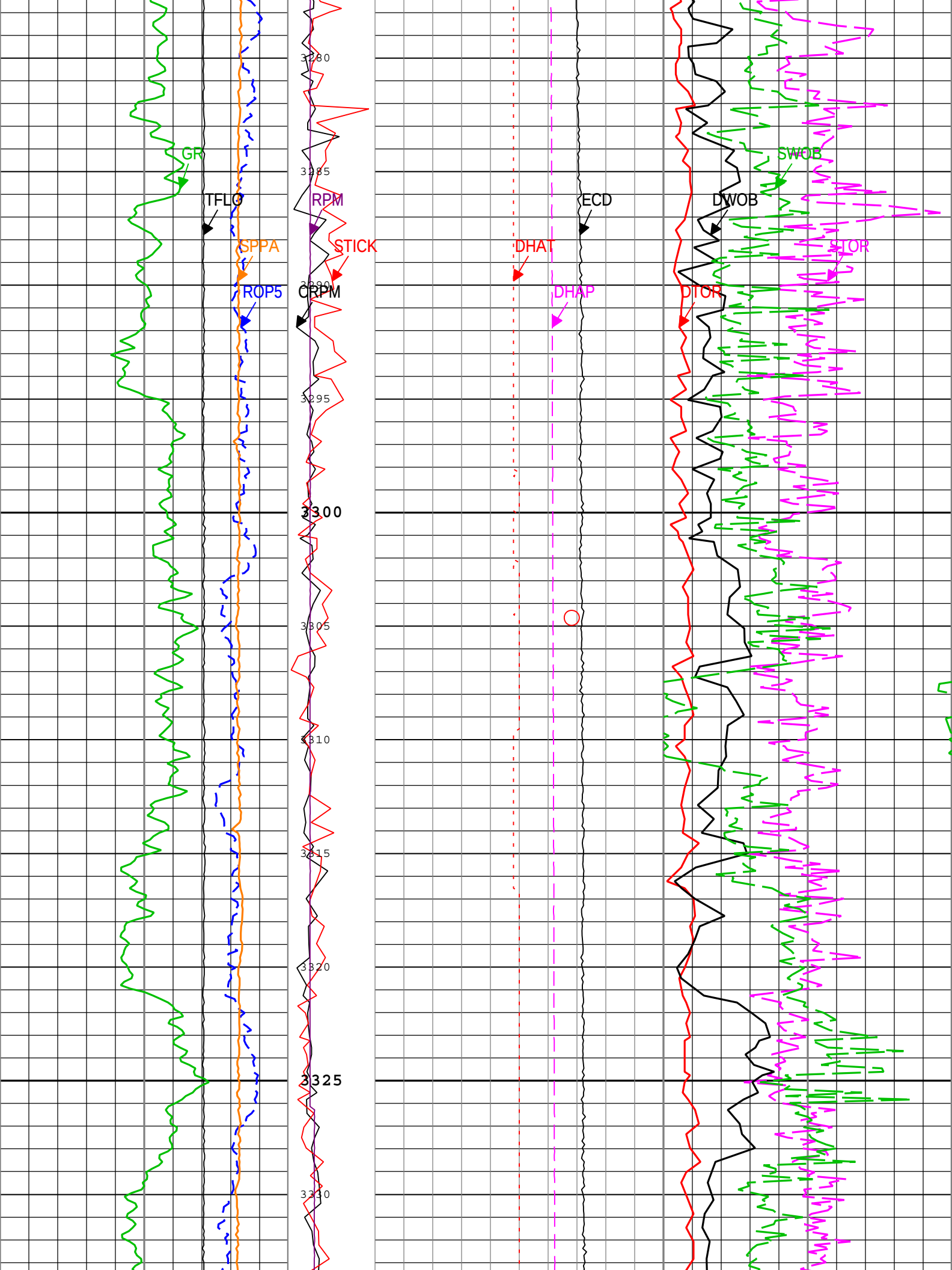


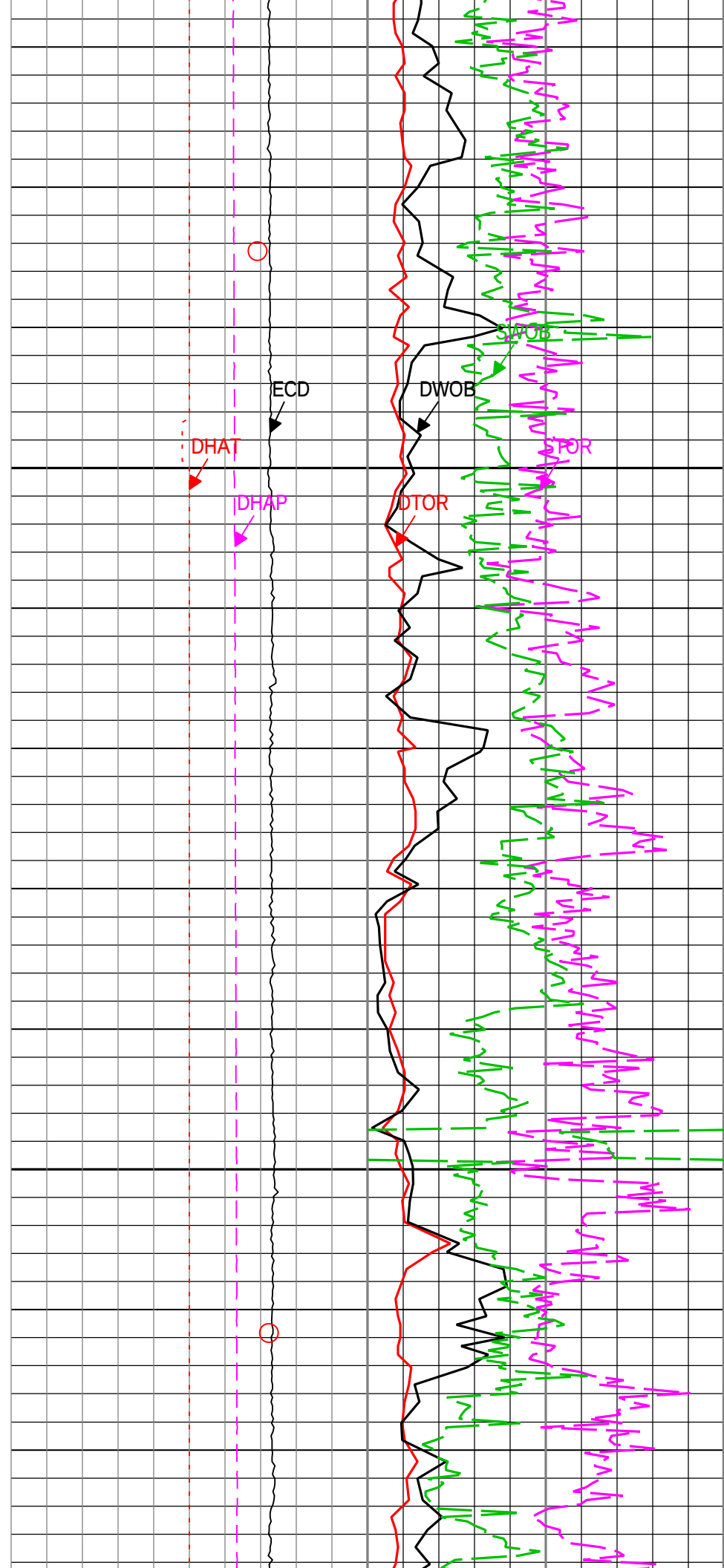
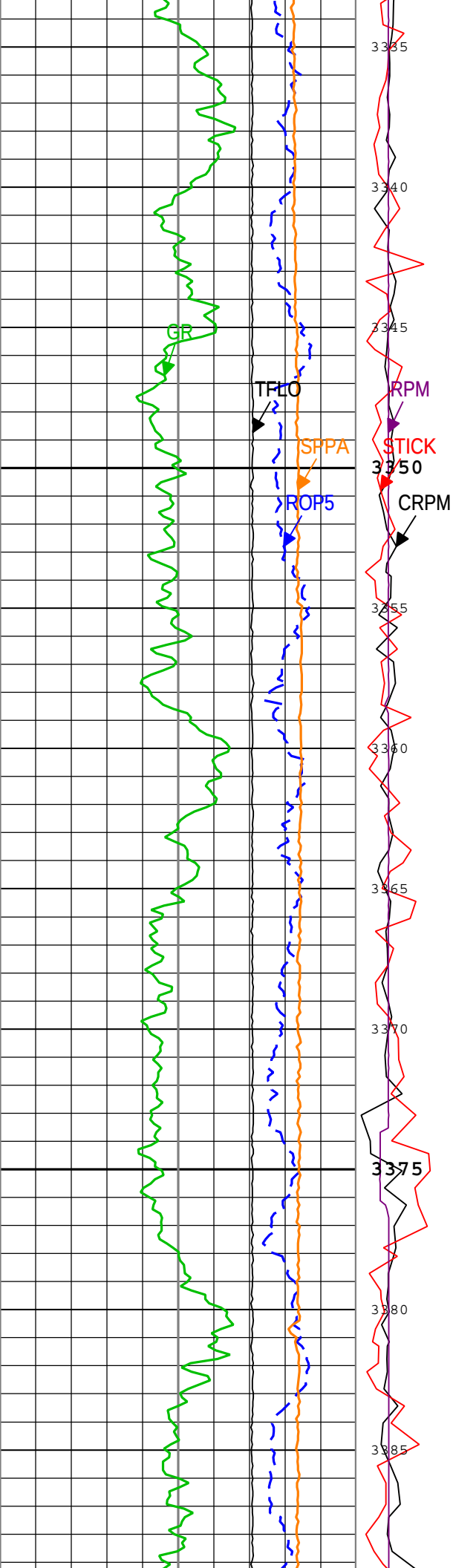


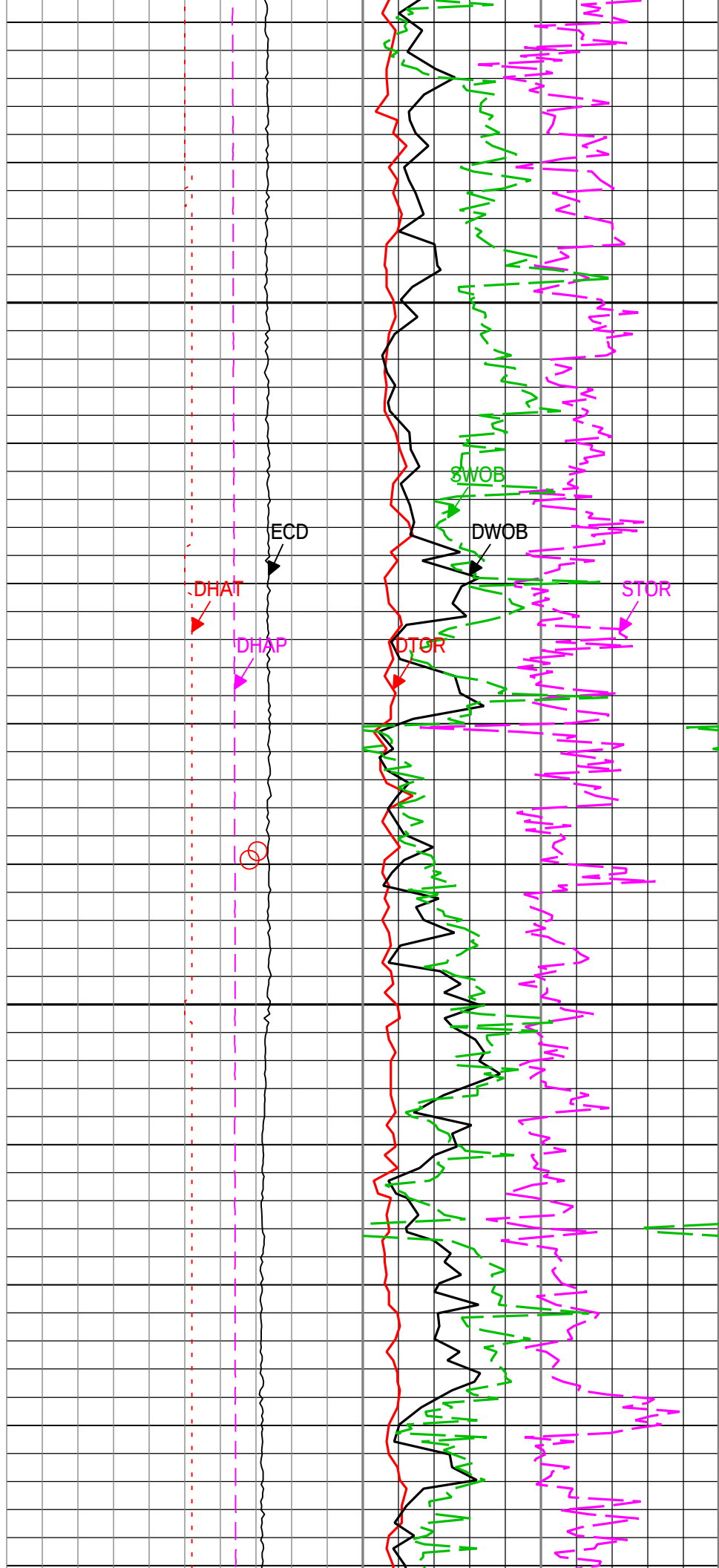
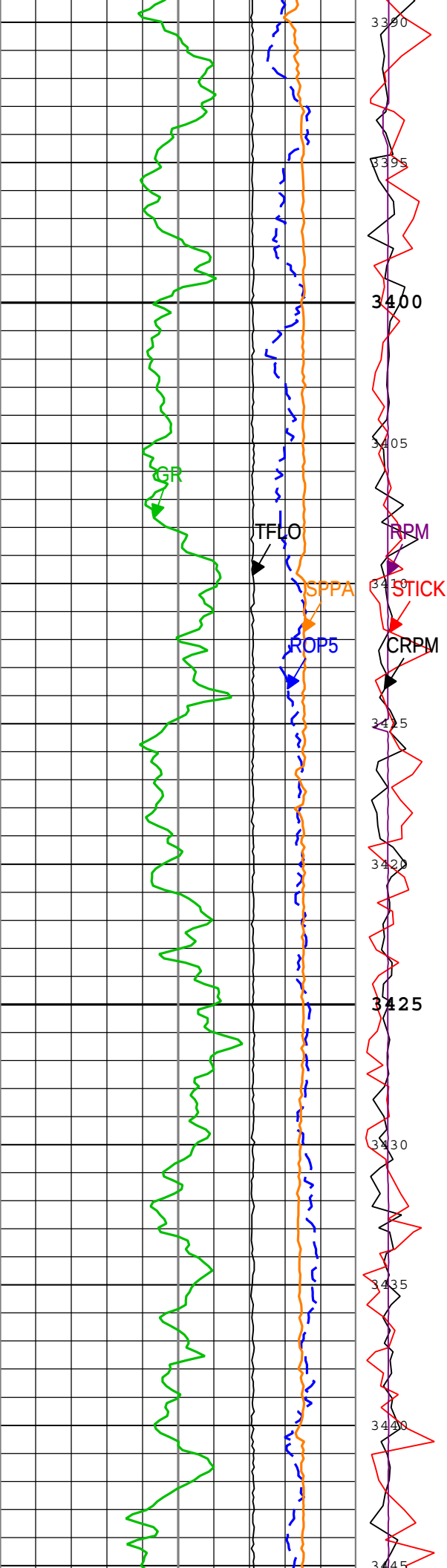


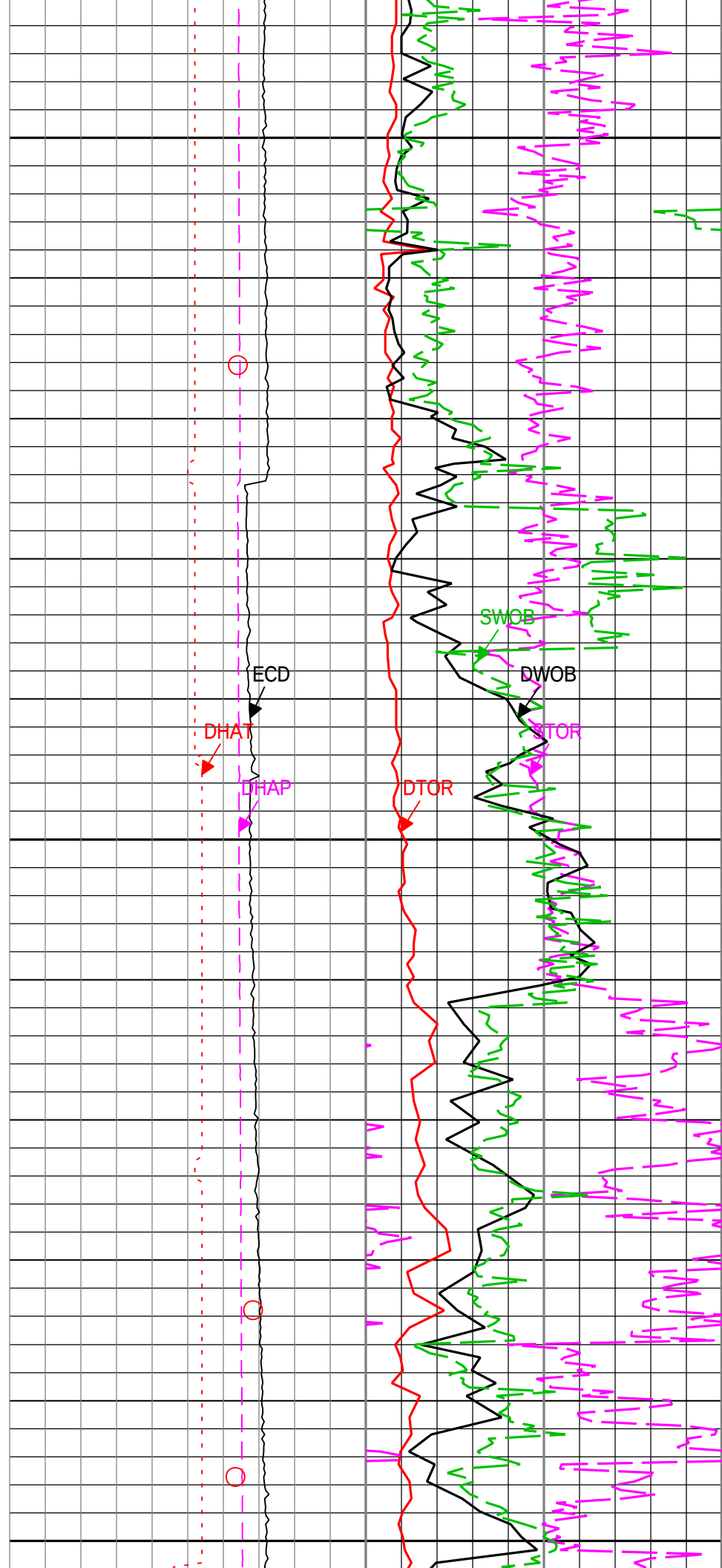
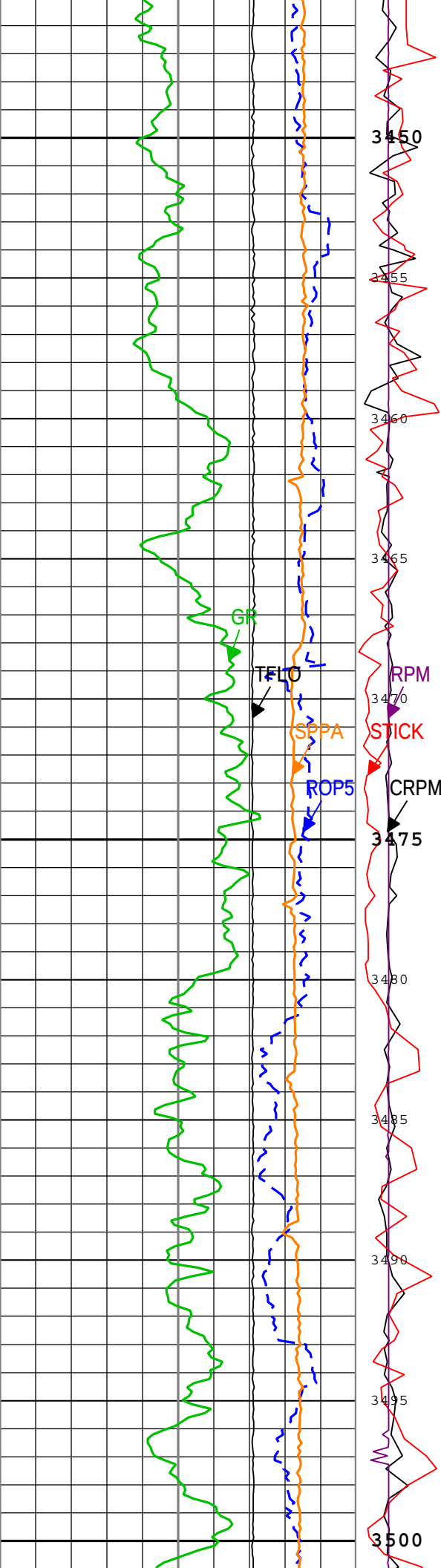


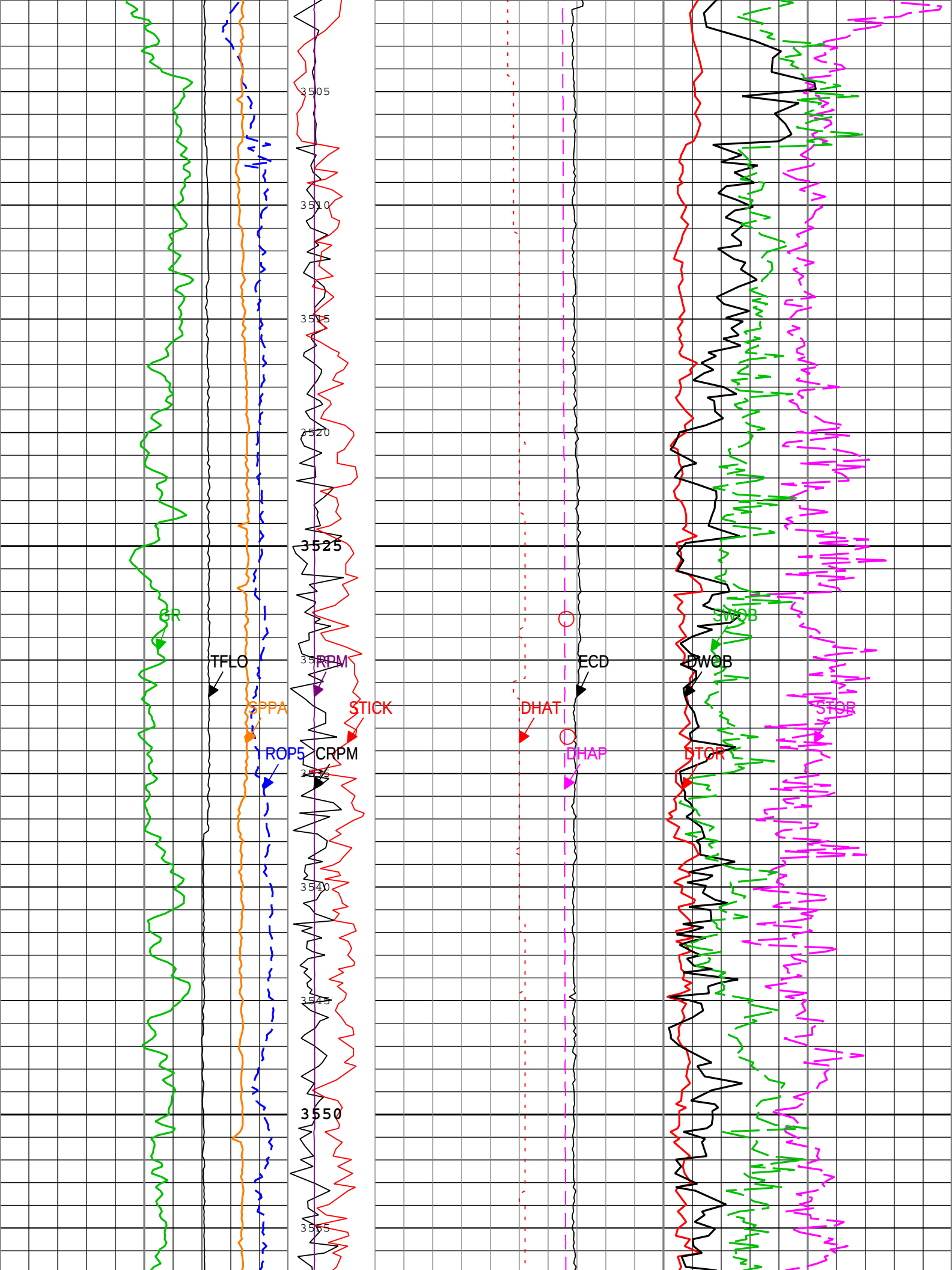


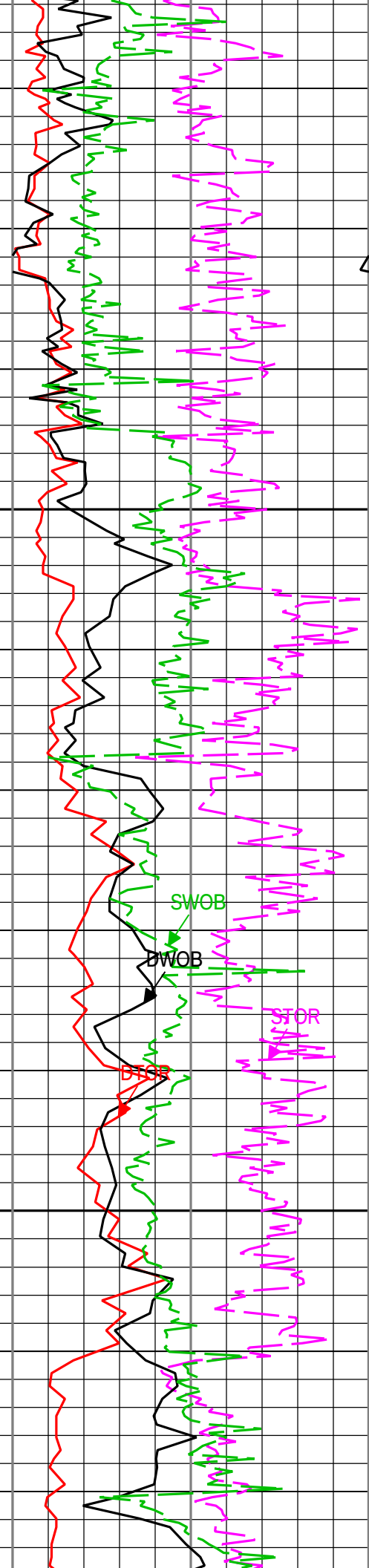
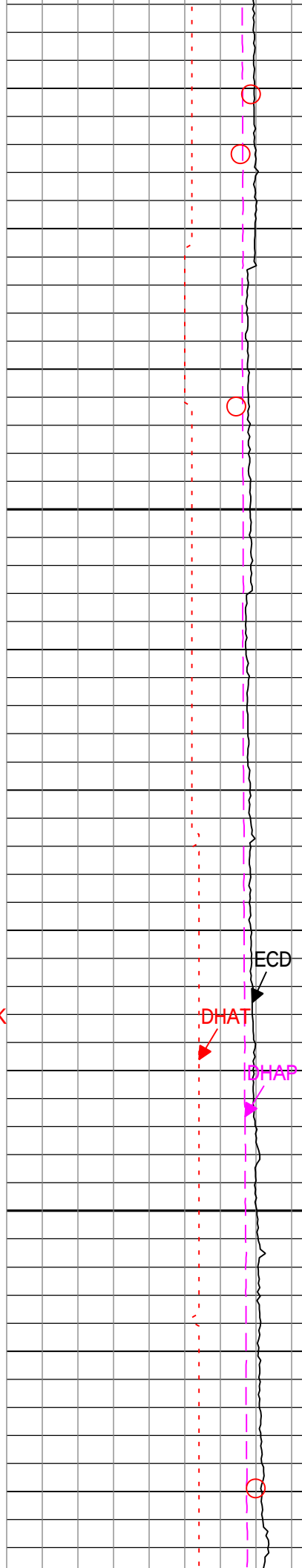
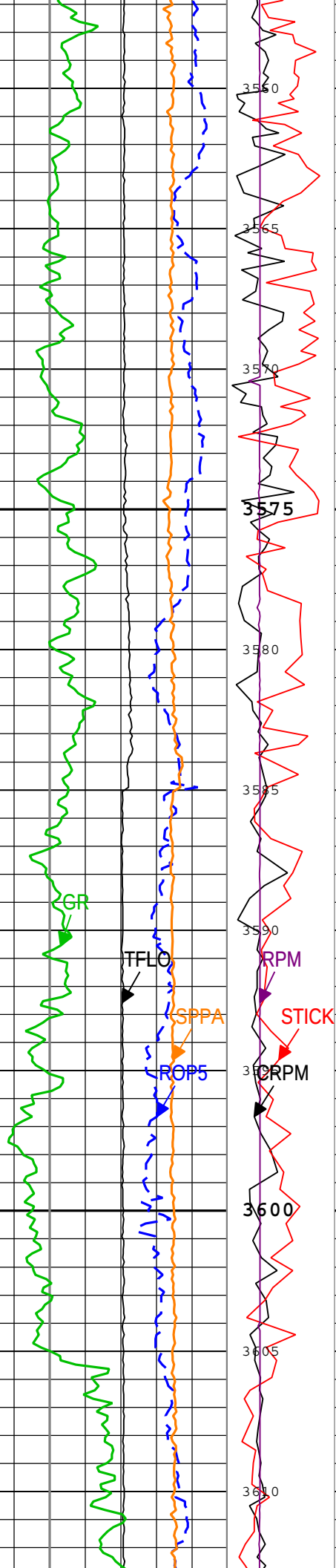


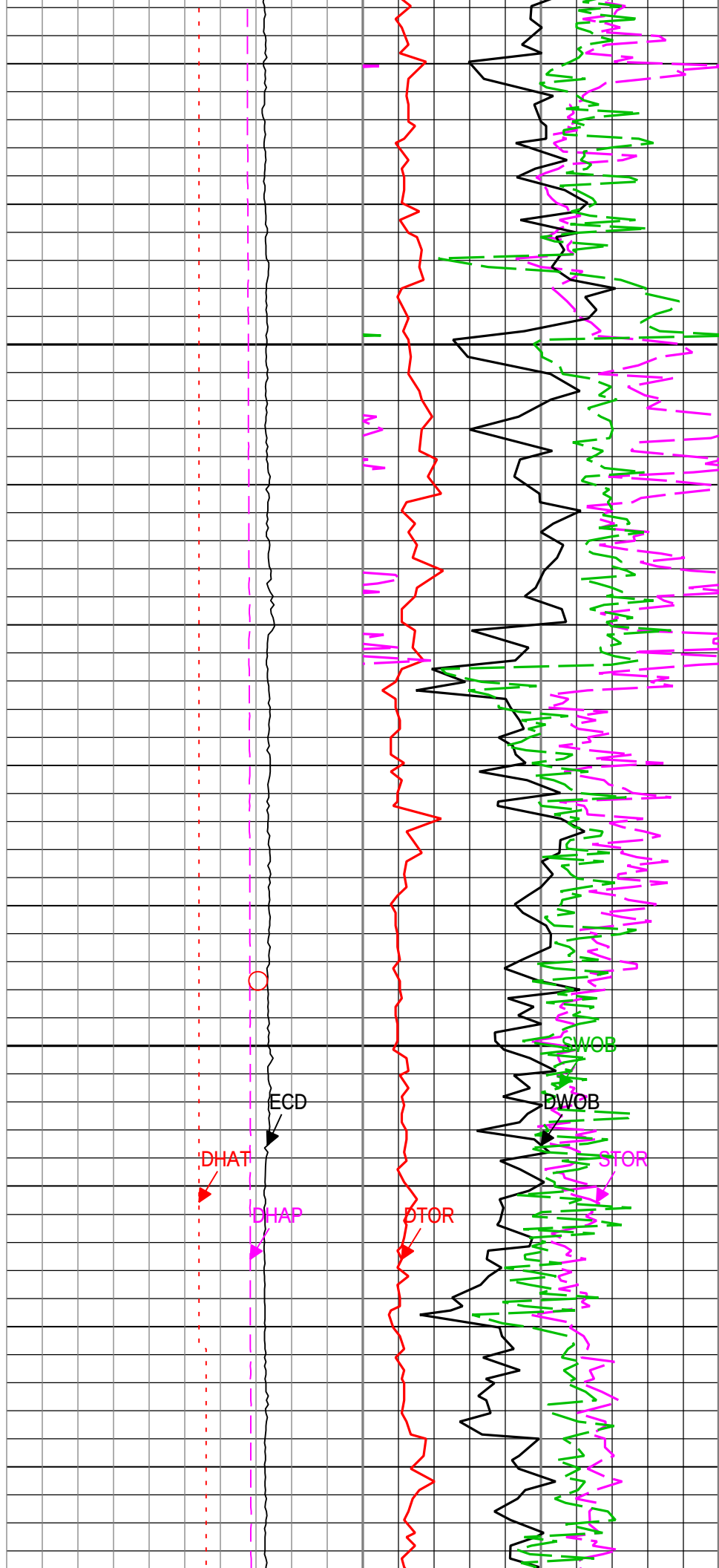
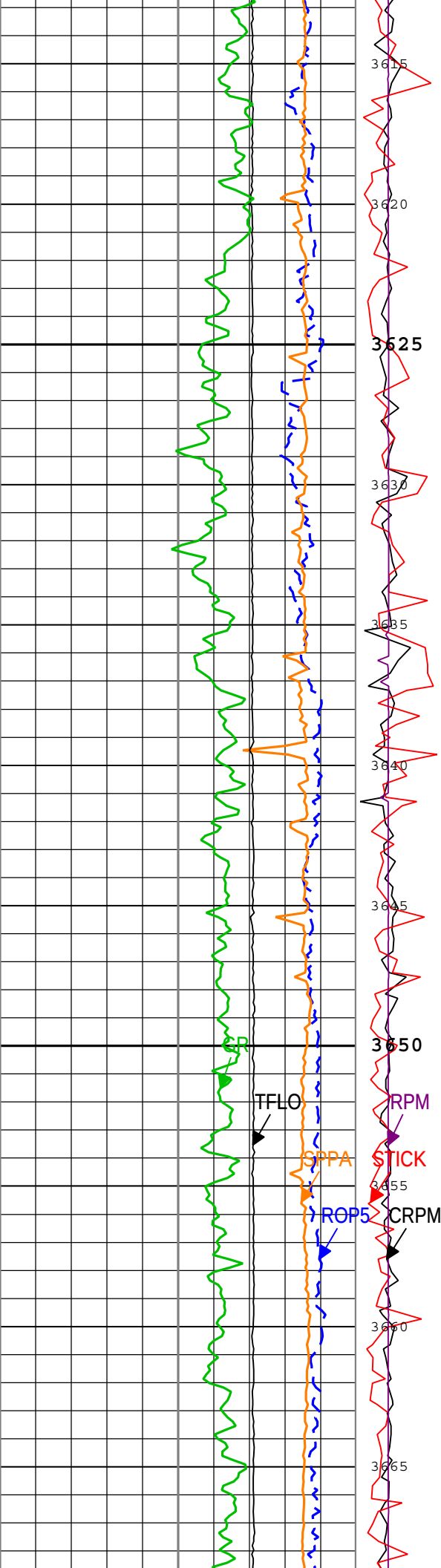


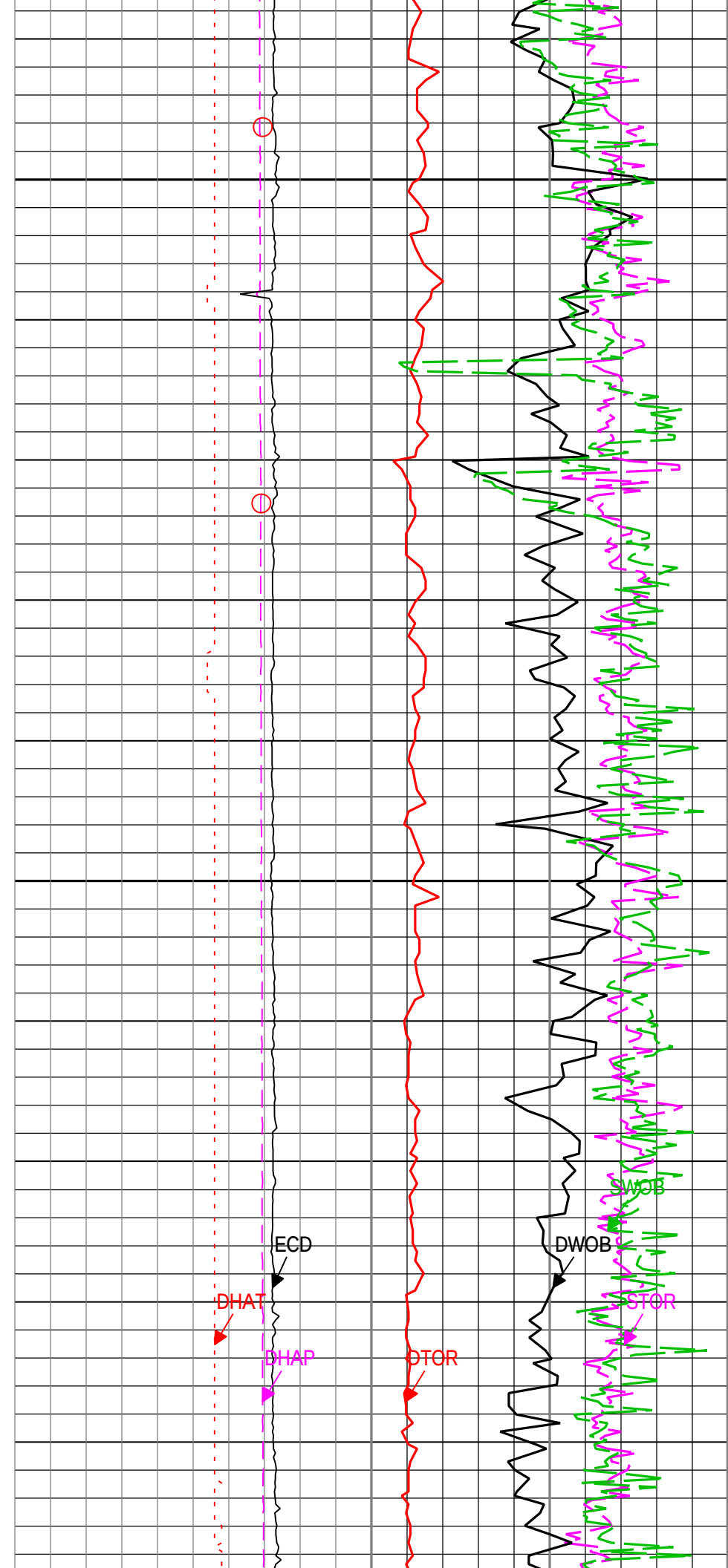
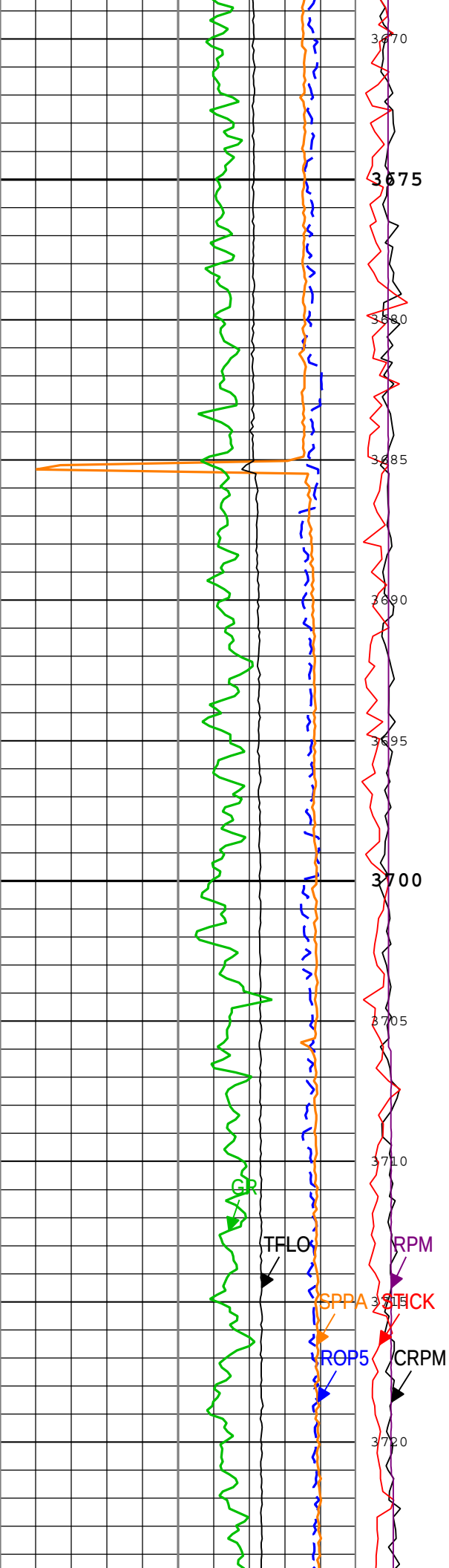


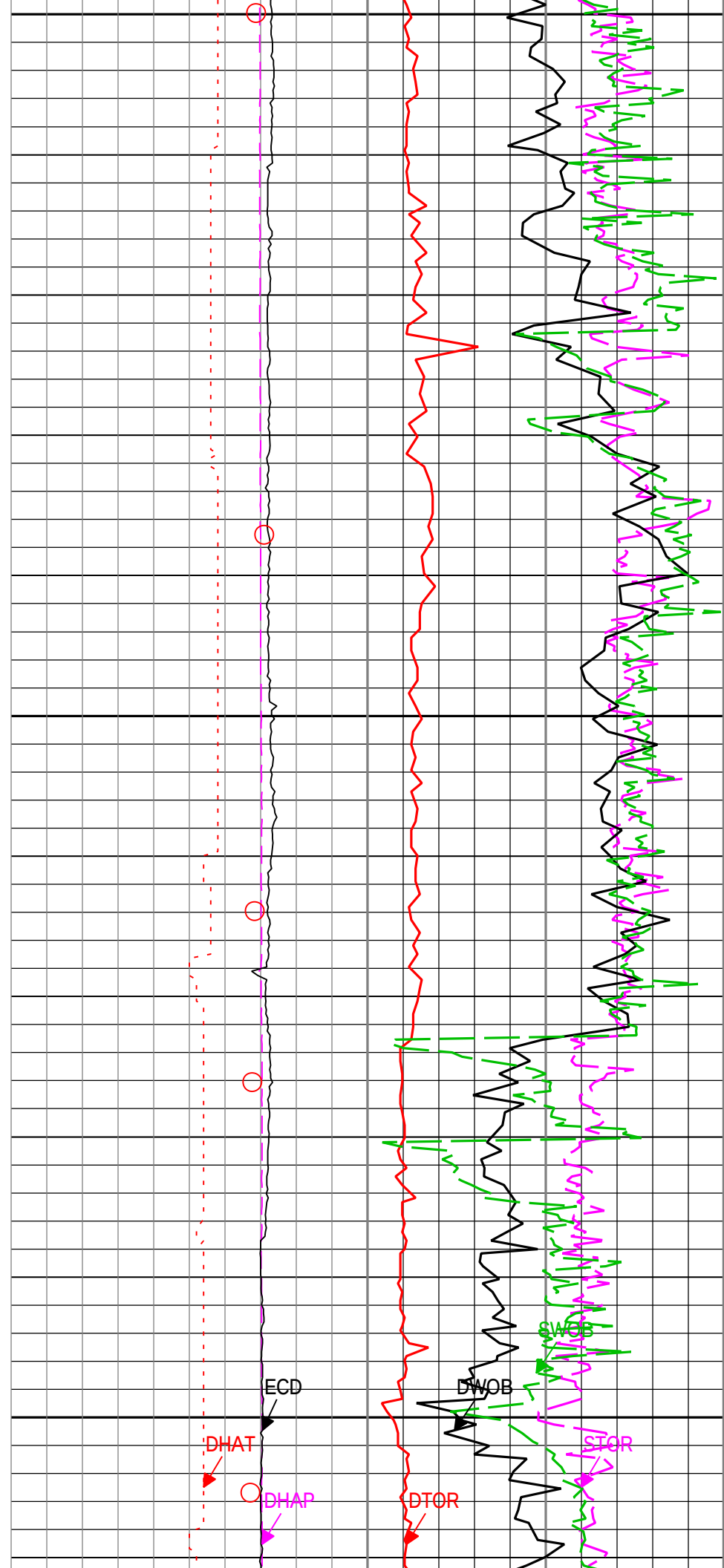
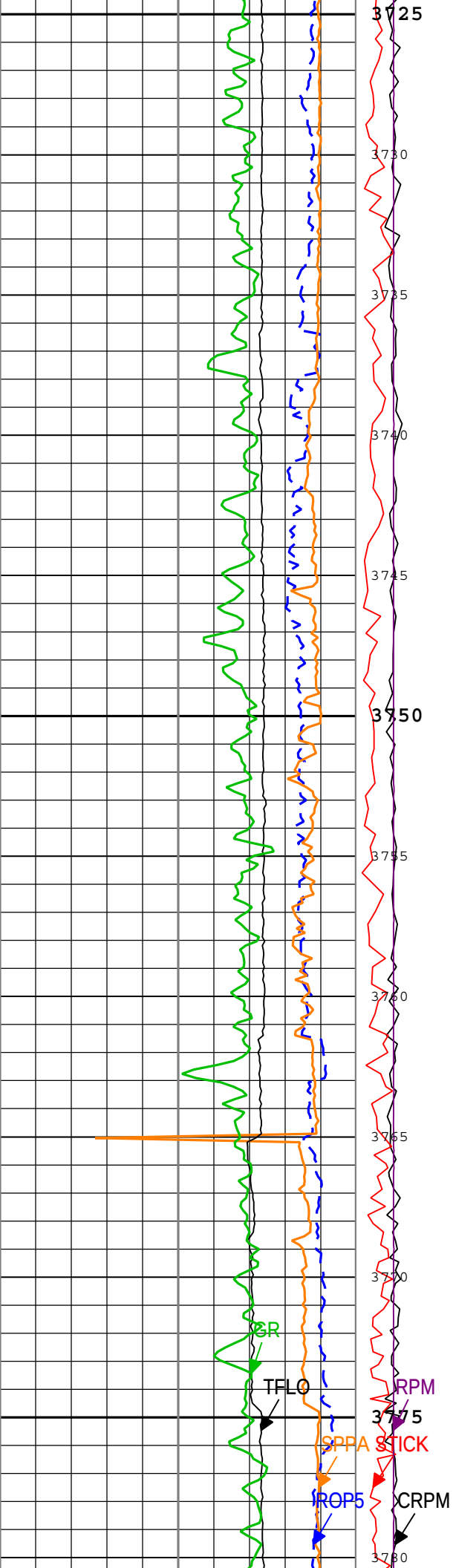


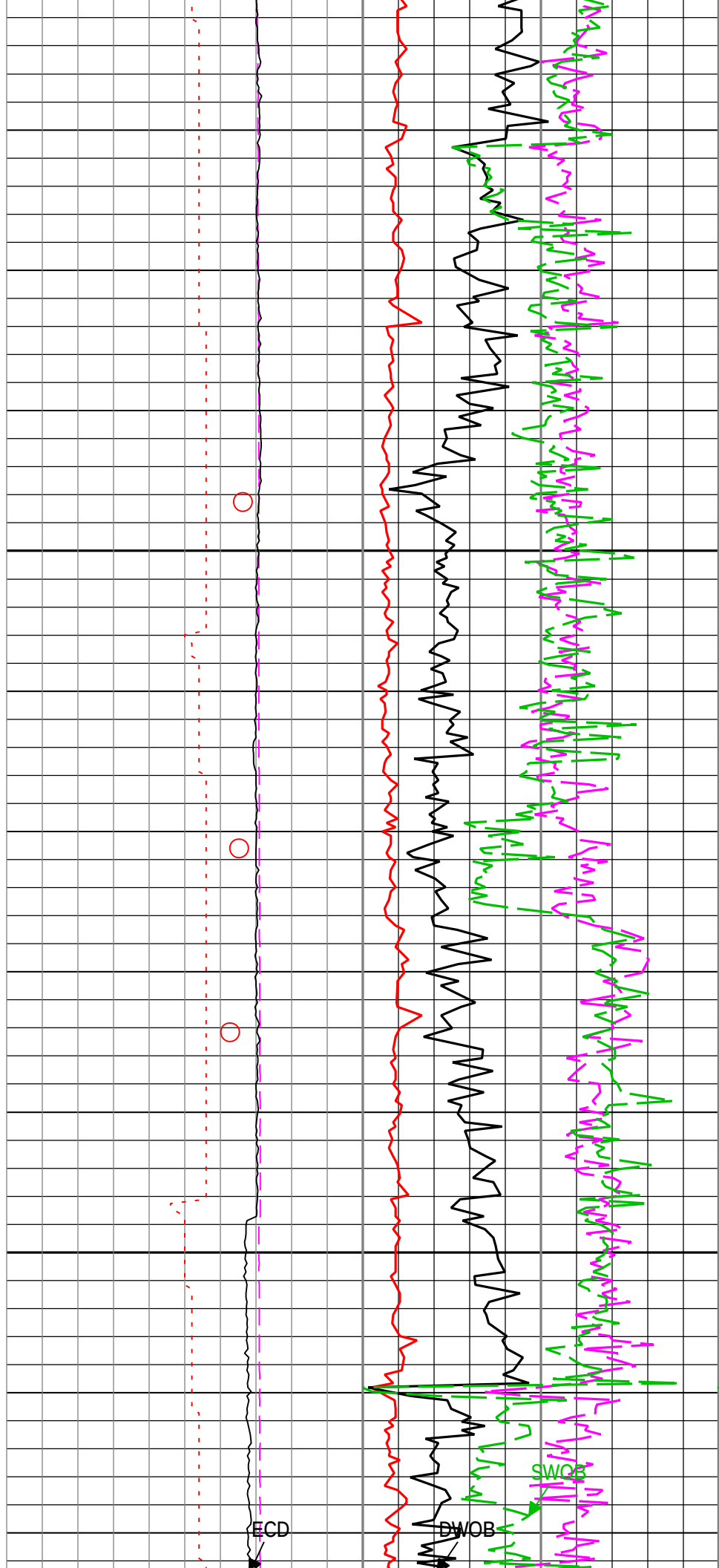
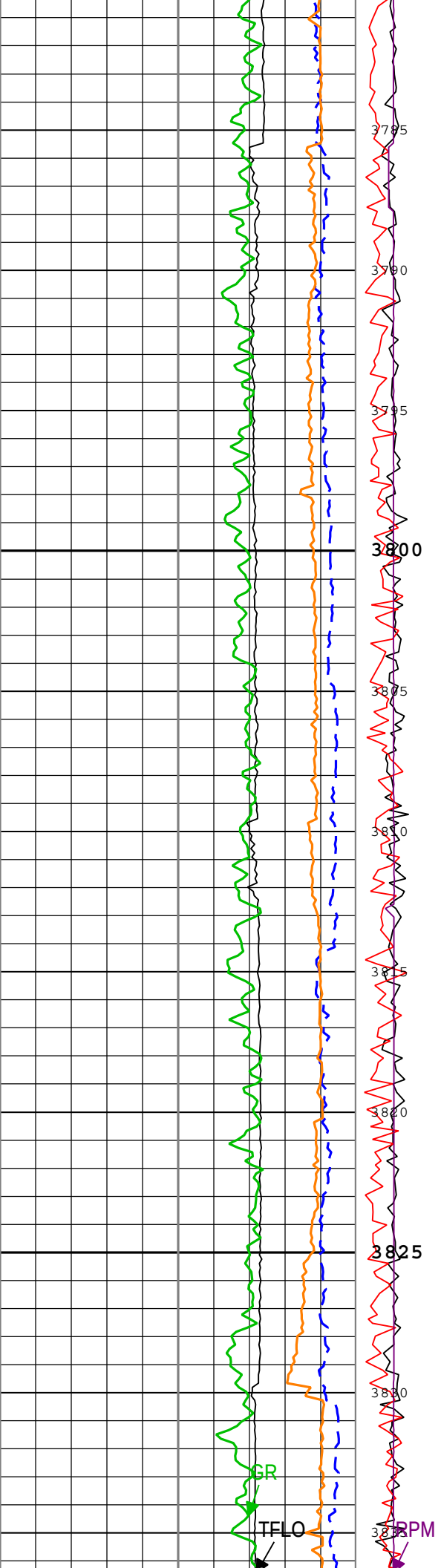


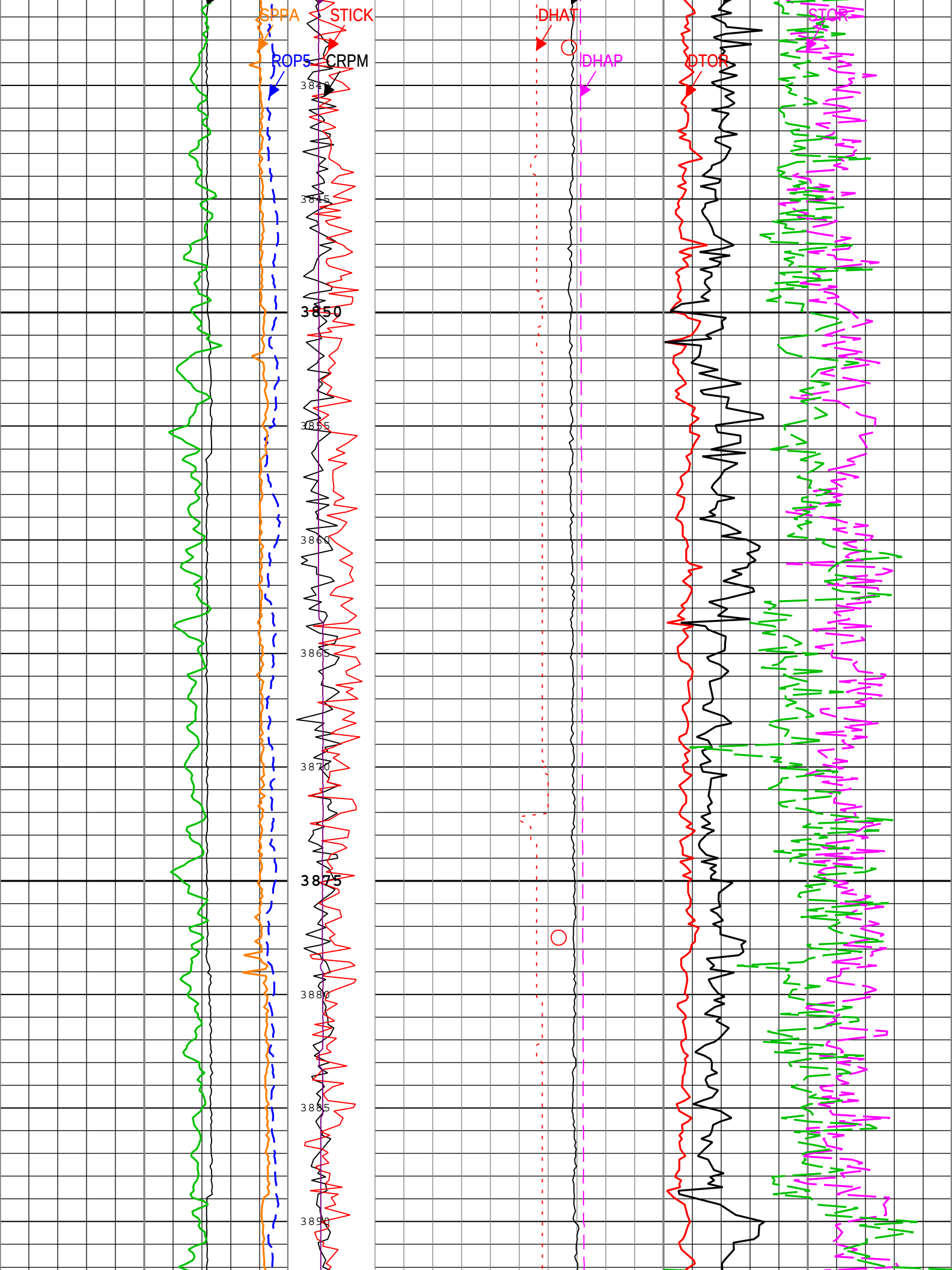


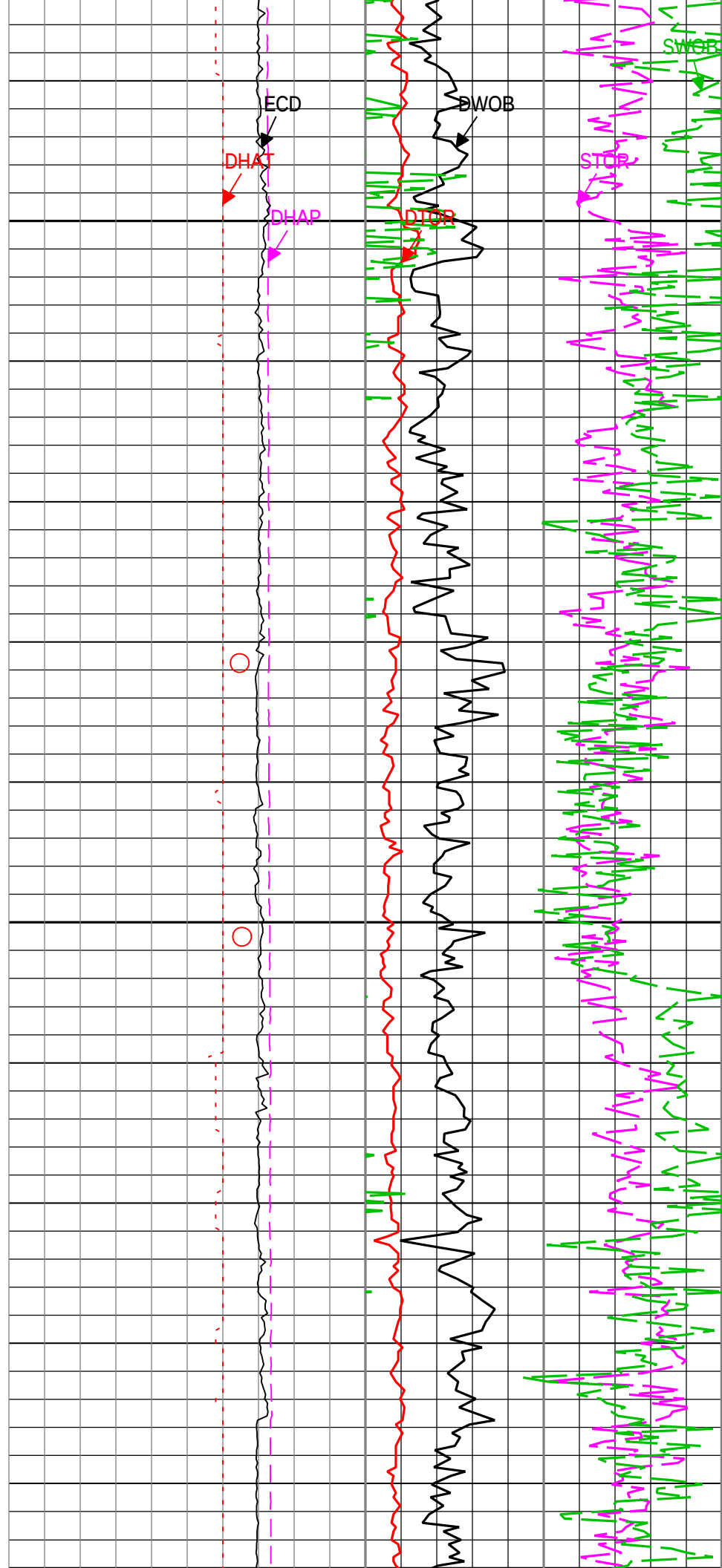
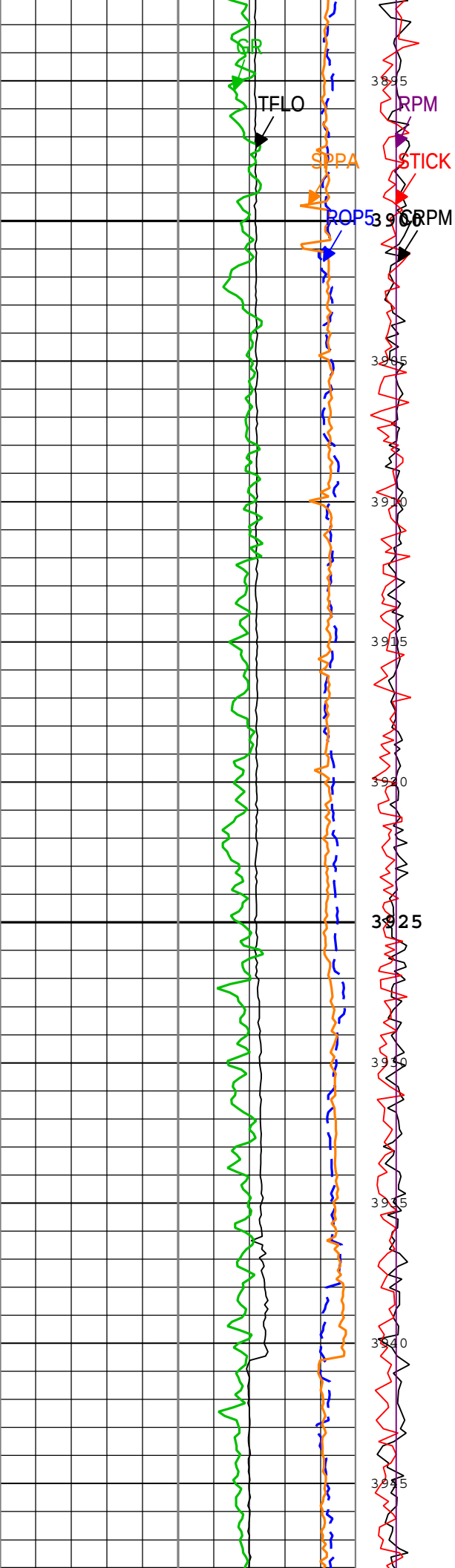


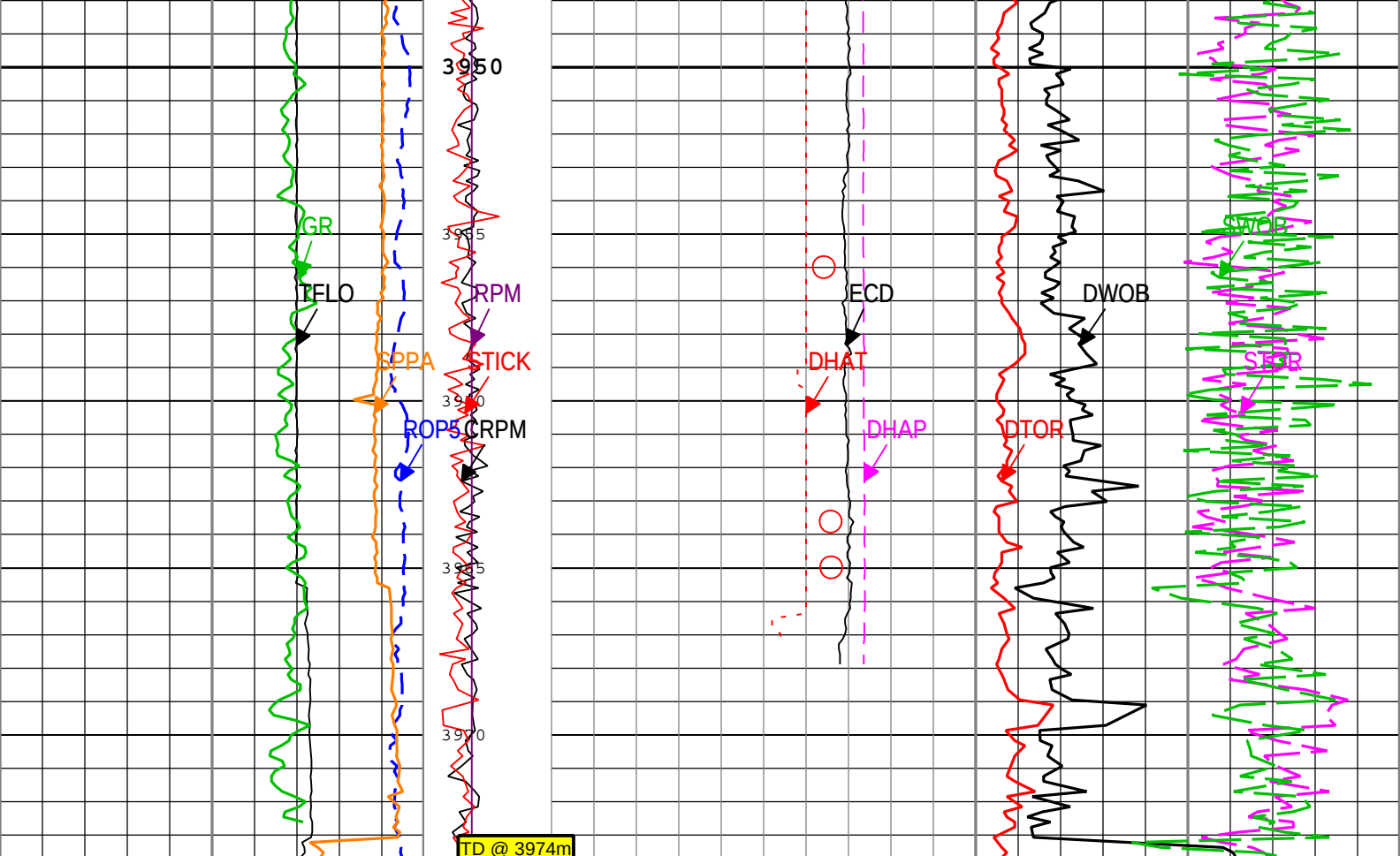












Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT	Collar Rotational Speed (CRPM) TELE825-IW OB RT	Downhole Annulus Pressure (DHAP) ARC8 RM	Downhole Torque (MWD) (DTOR) TELE825-IWOB RT
100 m/h 0	0 c/min 400	0 kPa 60000	0 kN.m 20
Standpipe Pressure (SPPA) RT	Stick Slip Indicator (STICK) TELE825-IW OB RT	Downhole Annulus Temperature (DHAT) ARC8 RM	Surface Torque (STOR) RT
0 kPa 35000	0 c/min 400	0 degC 50	0 kN.m 20
Total flow rate of all active pumps (TFLO) RT	Rotational Speed (RPM) RT	Equivalent Circulating Density (ECD) ARC8 RM	Downhole Weight on Bit (DWOB) TELE825-IWOB RT
500 gal/min 1500	0 c/min 400	1 g/cm3 1.2	0 kN 200
Gamma Ray (GR) RAB8 RM		Equivalent Static Density (ESD) ARC8 RT	Surface Weight On Bit (SWOB) RT
0 gAPI 150		1 g/cm3 1.2	0 kN 200

Description: Format: Log (DML Depth RM) Index Scale: 1:200 Index Unit: m Index Type: Measured Depth Creation Date: 10-Jan-2013 16:19:27

Calibration Report

RAB8 (GeoVision Resistivity 825) Calibration - Run Run001

Primary Equipment :

Electronics Chassis

RBEC

878

M21V - Resistivity

Master (Time Frame File): 18:20:14 02-Sep-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
Monitor 2 at T1 Calibration Coefficient		Master	1.00000	0.90000	0.97321	1.20000	

M22V - Resistivity

Master (Time Frame File): 18:20:14 02-Sep-2012

Measurement	Unit	Phase	Nominal	Low Limit	Actual	High Limit	
-------------	------	-------	---------	-----------	--------	------------	--

	Monitor 2 at T2 Calibration Coefficient		Master	1.00000	0.90000	0.94870	1.20000	
M01V - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Monitor 0 at T1 Calibration Coefficient		Master	1.00000	0.90000	1.05222	1.20000	
M02V - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Monitor 0 at T2 Calibration Coefficient		Master	1.00000	0.90000	1.04139	1.20000	
R1V - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Ring at T1 Calibration Coefficient		Master	0.01000	0.00950	0.01089	0.01250	
R2V - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Ring at T2 Calibration Coefficient		Master	0.01000	0.00950	0.01089	0.01250	
BDM1 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Deep at T1 Calibration Coefficient		Master	0.00067	0.00057	0.00067	0.00077	
BDM2 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Deep at T2 Calibration Coefficient		Master	0.00067	0.00057	0.00067	0.00077	
BMM1 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Medium at T1 Calibration Coefficient		Master	0.00067	0.00057	0.00067	0.00077	
BMM2 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Medium at T2 Calibration Coefficient		Master	0.00067	0.00057	0.00067	0.00077	
BSM1 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Shallow at T1 Calibration Coefficient		Master	0.00067	0.00057	0.00066	0.00077	
BSM2 - Resistivity								
Master (Time Frame File): 18:20:14 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Button Shallow at T2 Calibration Coefficient		Master	0.00067	0.00057	0.00066	0.00077	
PGR - Gamma Ray: Blanket								
Master (Time Frame File): 18:47:29 02-Sep-2012								
Measurement		Unit	Phase	Nominal	Low Limit	Actual	High Limit	
	Gamma Ray API Conversion Factor		Master	8.5500	6.5000	8.2164	10.6000	

Company: JAMSTEC
Well: C0002F
Field: Nankai Trough - Kumano Basin
Rig Name: Chikyu
Prefecture: Wakayama
Country: Japan





geoVISION - sonicVISION - APWD

Gamma Ray - Resistivity - Image - Compressional - APWD

12.25 X 20in Recorded Mode Log. Measured Depth 1:200