

5in/100ft Measured Depth
Real Time, Composite Log

Company: Crestone Peak Resources Operating LLC

Well: Dream Weaver North 3E-21H-N268

Field: Wattenberg

County: Weld

State: Colorado

Country: United States of America

Section: 21 APIN: 05-123-48292

Township: 2 Rig Name: Ensign 142

Range: 68 Rig Type: Top Drive - Land Rig

FL: NAD83 Colorado State Plane, Northern Zone, US feet

FL1: Easting 3136679.341 ft US

FL2: Northing 1286919.518 ft US

Log Measured From: - Drill Floor: 4929.00 ft

Ground Level: 4901.00 ft

Permanent Datum: - Mean Sea Level

Acquisition Dates: 13-Nov-2019 -- 19-Nov-2019

Log Interval: 2234.00(ft) MD - 19667.00(ft) MD

Index Types: Measured Depth

Index Scales: 1:240 5" / 100'

Depth Source: Driller's Depth

Depth Sensor: PASON

Print Type: Final

Spud Date: 17-Aug-2019

Other Services:

Directional Drilling

Direction and Inclination (Surveys)

Continuous D&I

Rotary Steerable System

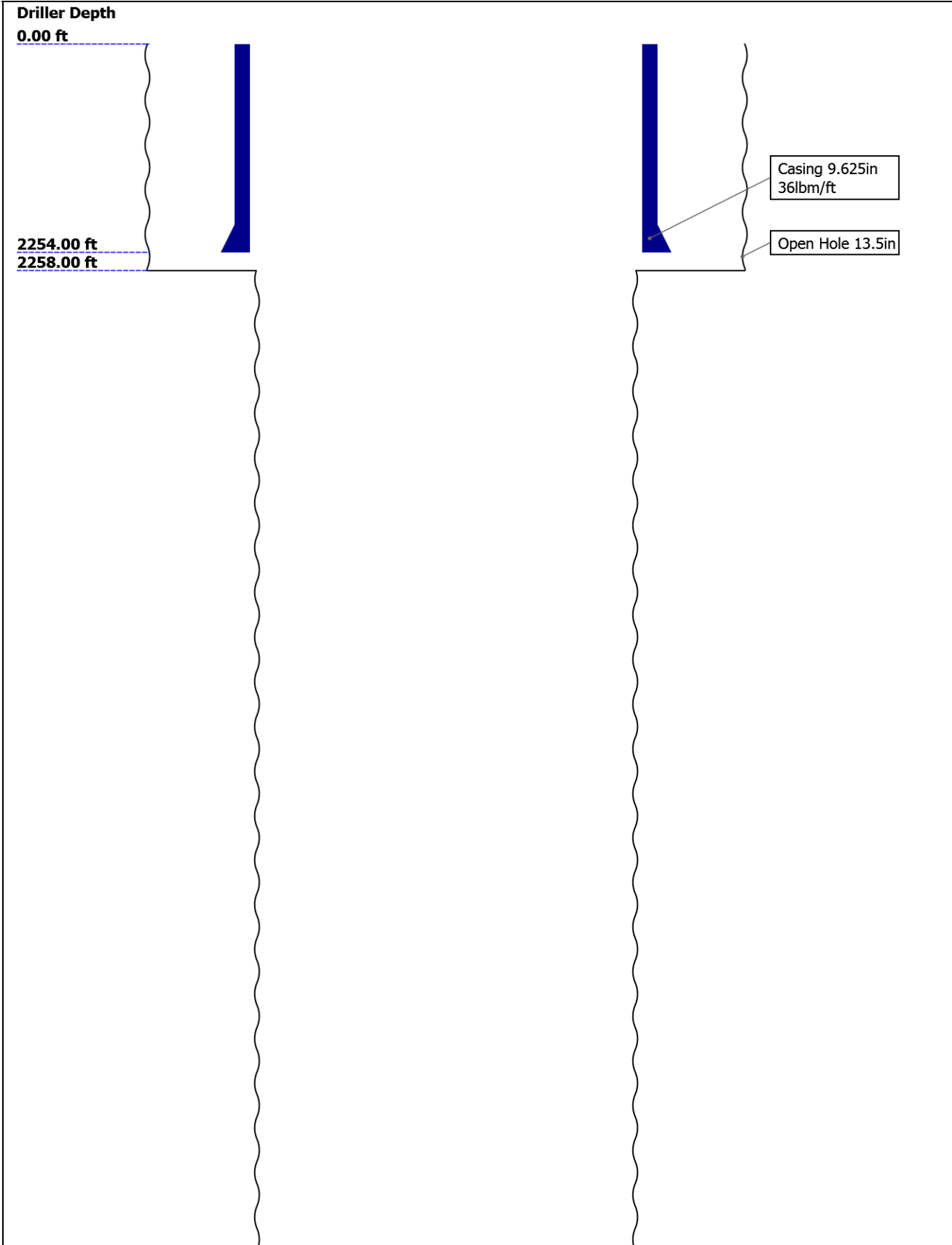
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Well Sketch





Borehole Size/Casing Record

Bit						
Bit Size (in)	13.5	8.5				
Top Driller (ft)	0	2258				
Bottom Driller (ft)	2258	19691				
Casing						
Size (in)	9.625					
Weight (lbm/ft)	36					
Inner Diameter (in)	8.921					
Grade	N/A					
Top Driller (ft)	0					
Bottom Driller (ft)	2254					

Operational Run Summary

Parameter (unit)	RUN001	RUN002				
Date Log Started	12-Nov-2019	14-Nov-2019				
Time Log Started	17:26:31	11:58:12				
Date Log Finished	14-Nov-2019	19-Nov-2019				
Time Log Finished	11:57:20	05:53:27				
Bit Size (in)	8.500	8.500				
Bit Start Depth (ft)	2258.00	5067.00				
Bit Stop Depth (ft)	5067.00	19691.00				
Top Log Interval (ft)	2234.00	5043.00				
Bottom Log Interval (ft)	5043.00	19667.00				
Max Hole Deviation (deg)	11.65	93.32				
Azimuth of Max Deviation (deg)	221.42	0.65				
Logging Unit Number	Client Provided	Client Provided				
Logging Unit Location	Zone 2	Zone 2				
Recorded By	A.Doan	A.Doan				
Witnessed By	P. Roth	D. Ace				
Service Order Number	19CCO1347	19CCO1347				

Parameter(unit)	RUN001	RUN002				
Fluid Type	Oil	Oil				
Fluid Name	Synthetic Oil	Synthetic Oil				
Max Recorded Temperatures (degF)	147.86	272				
Source of Sample	Active Tank	Active Tank				
Salinity (ppm)	246369	253245				
Density (lbm/gal)	9.55	10.3				
Funnel Viscosity (s)	44	43				
Fluid Loss (cm3)	56	48				
PH	0	0				
Source RMF						
RMC	Pressed	Pressed				
RM @ Meas Temp (ohm.m@degF)	N/A	N/A				
RMF @ Meas Temp (ohm.m@degF)	N/A	N/A				
RMC @ Meas Temp (ohm.m@degF)	N/A	N/A				
RM @ BHT (ohm.m@degF)	N/A	N/A				
RMF @ BHT (ohm.m@degF)	N/A	N/A				
RMC @ BHT (ohm.m@degF)	N/A	N/A				
Electricity Stability (V)	928	731				
Oil/Water	99/1 (82.00)	99/1 (81.00)				
Total Solid (%)	12.12	15.3				
High Gravity Solids (%)	6.2	8.3				

Remarks and Equipment Summary

All Data Presented is from Real Time and aquired while drilling.	
Depth is referenced to Driller's Depth.	
Barite was present in the mud.	
RUN001: Remarks	RUN002: Remarks
Run Objective: Drill curve and lateral to Well T	Run Objective: Drill curve and lateral to Well T
Reason to POOH: Hole problem, and POOH to cement the bad zone.	Reason to POOH: Well TD
Drill Interval: 2258.00 ft MD to 5067.00 ft MD.	Drill Interval: 5067.00 ft MD to 19691.00 ft MD.
Logged Interval: 2230.00 ft MD to 5043.00 ft MD.	Logged Interval: 5043.00 ft MD to 19667.00 ft MD.
MWD Personnel: A. Doan	MWD Personnel: A. Doan

RUN001: Toolstring				RUN002: Toolstring			
Equip name	Length	MP name	Offset	Equip name	Length	MP name	Offset
Filtr Sub: 6 3/4":SD 116122	125.09	Diffuser Sub		Filtr Sub: 6 3/4":SD 116122	125.09	Diffuser Sub	
Flex DC: 6 3/4":SD 56505HS	119.09	FlexPony		Flex DC: 6 3/4":SD 56505HS	119.09	FlexPony	

Motor: 6 3/4":7151 83.09

Hunting

XEM650:SD56606 42.19

GAP650:GSBR0980
XEM650DC:SD56606
DPG:DDRP0983
XHOP:XHOP1017
XTX:HVTX1026
DYN:1201
BAT:DOBA2481
XGM:XGM0850
DNI:SOCD1201

INT PRES
ANN PRES
TEMP

39.78
39.63
39.63

GR

24.76

Motor: 6 3/4":7151 83.09

Hunting

XEM650:SD56606 42.19

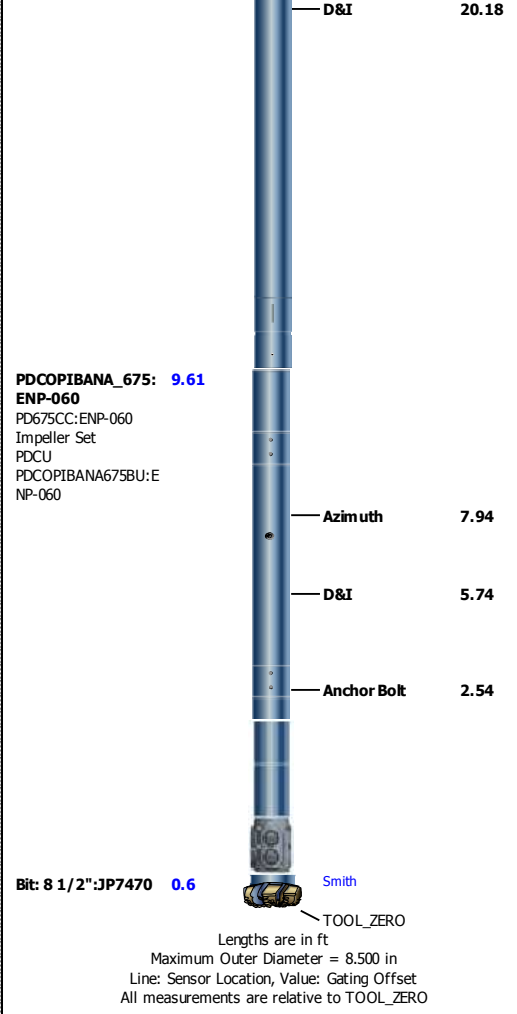
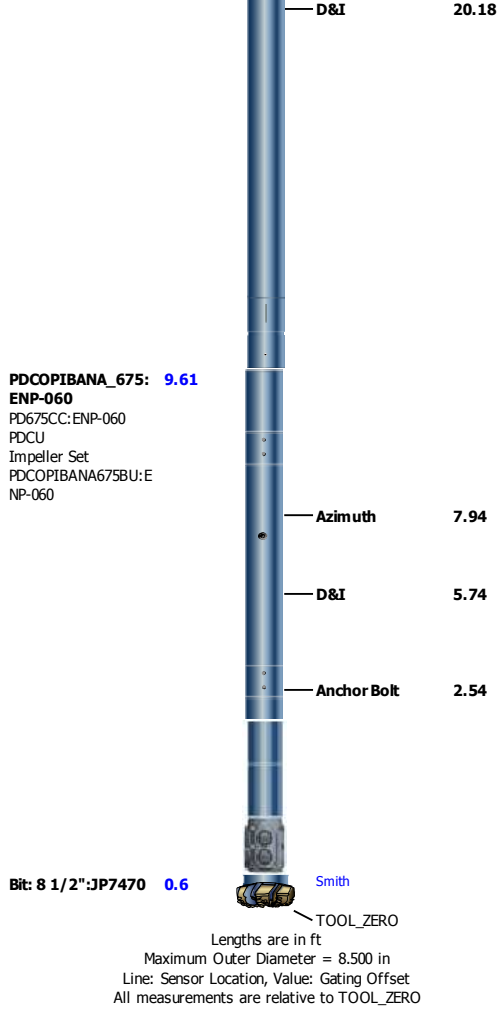
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XTX:HVTX1026
DYN:1201
BAT:DOBA2481
XGM:XGM0850
DNI:SOCD1201

INT PRES
ANN PRES
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39.78
39.63
39.63

GR

24.76



Well Composite

Software Version

Acquisition System	Version
Maxwell 2018 SP2	8.2.104493.3100
Application Patch	DnM_Hotfix-Mandatory-2018.2_8.2.113262

Composite Summary

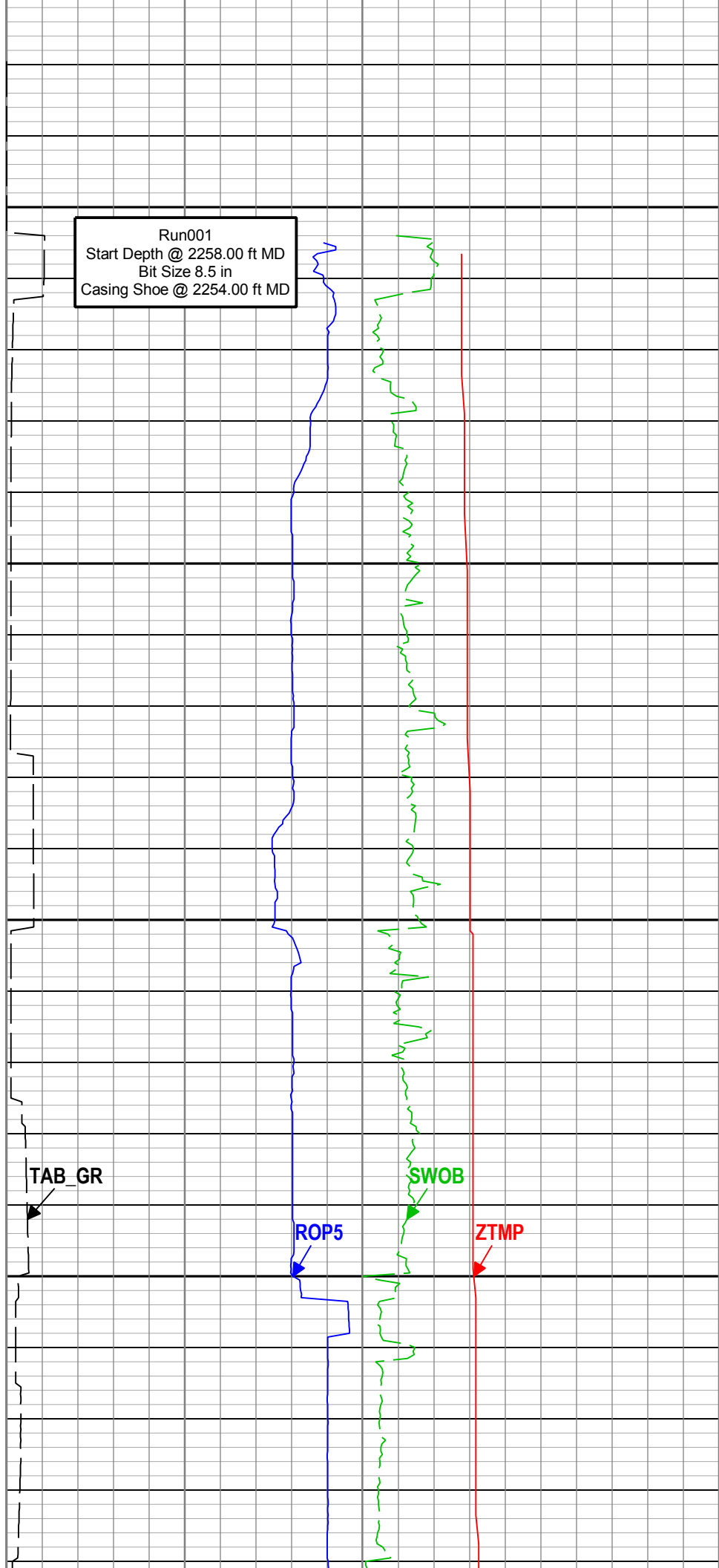
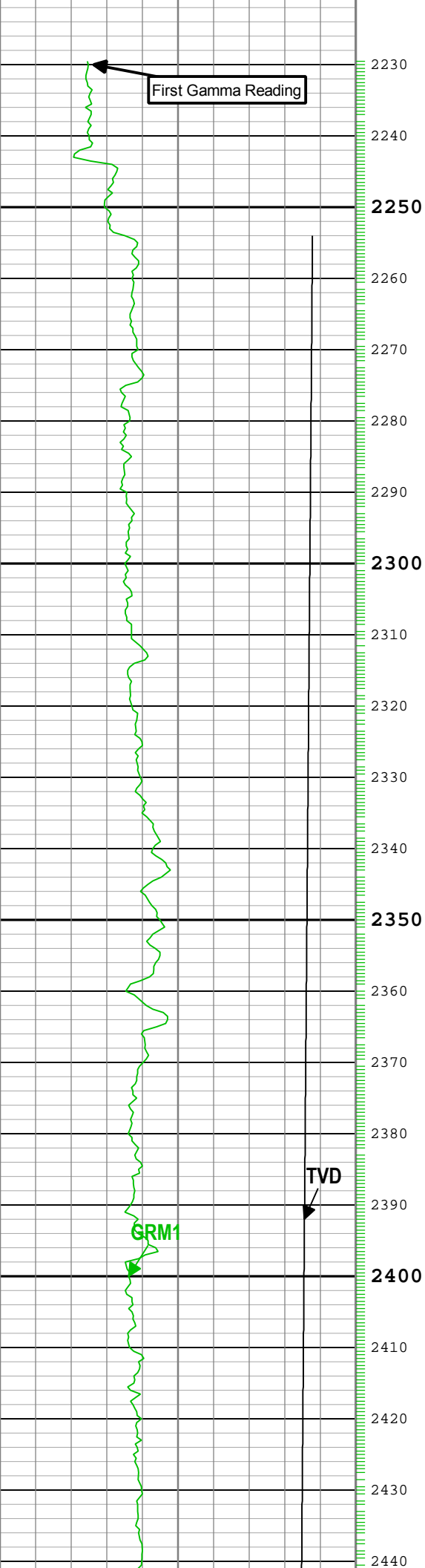
Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
RUN001	Drilling	Down	2254.00 ft	5067.50 ft	13-Nov-2019 1:20:41 AM	14-Nov-2019 11:57:20 AM	No
RUN002	Drilling	Down	5067.17 ft	19690.92 ft	14-Nov-2019 11:07:29 PM	19-Nov-2019 5:53:27 AM	No

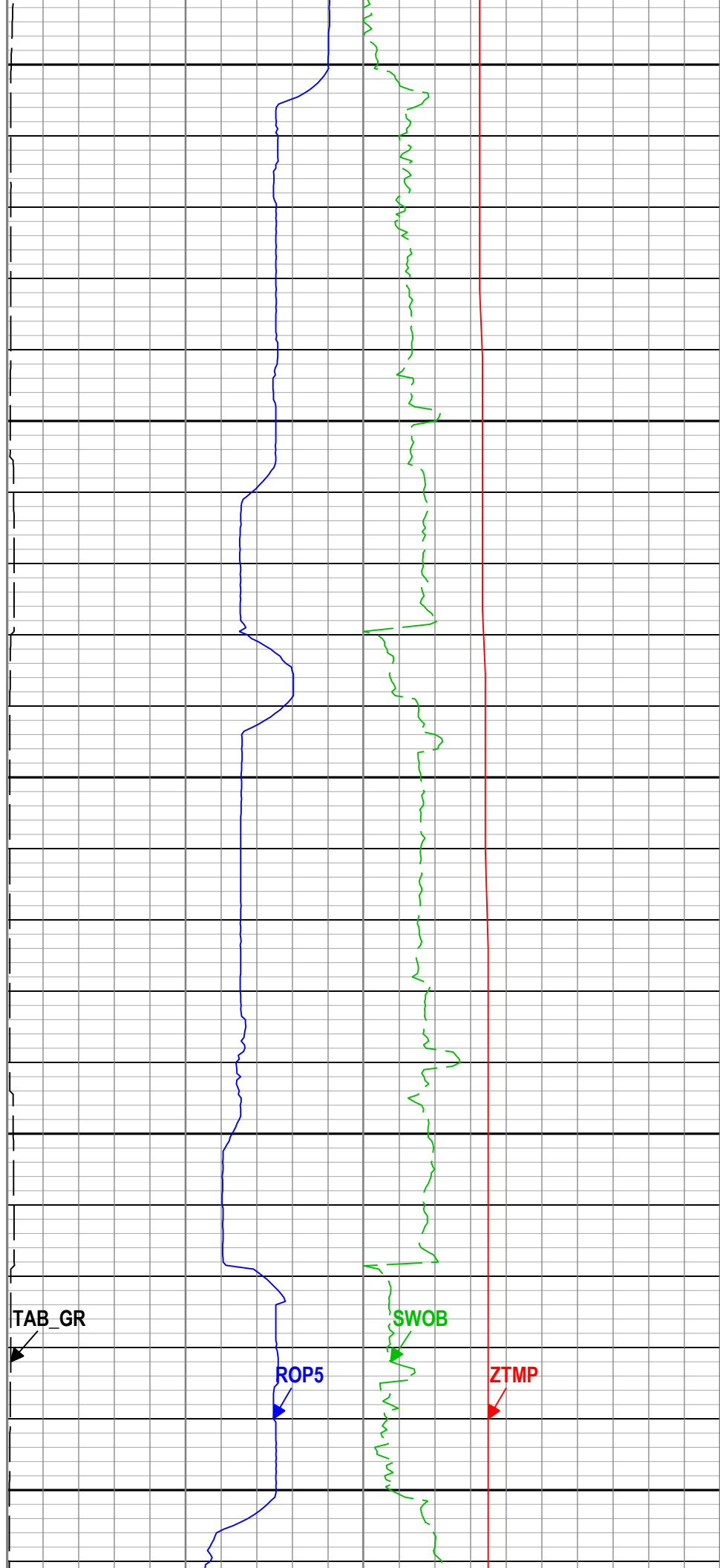
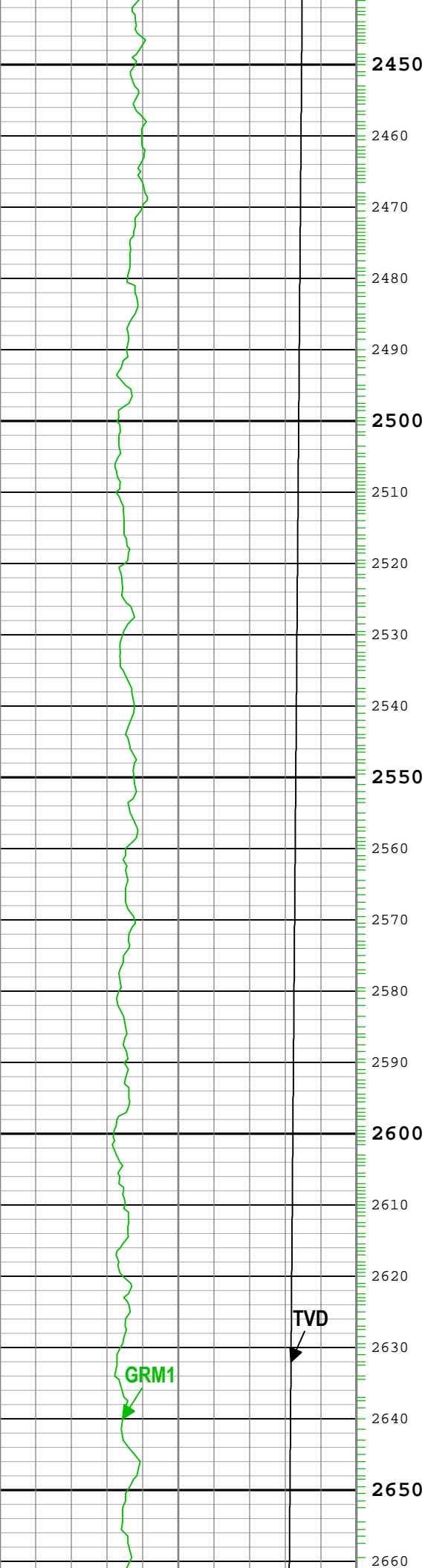
All depths are referenced to toolstring zero

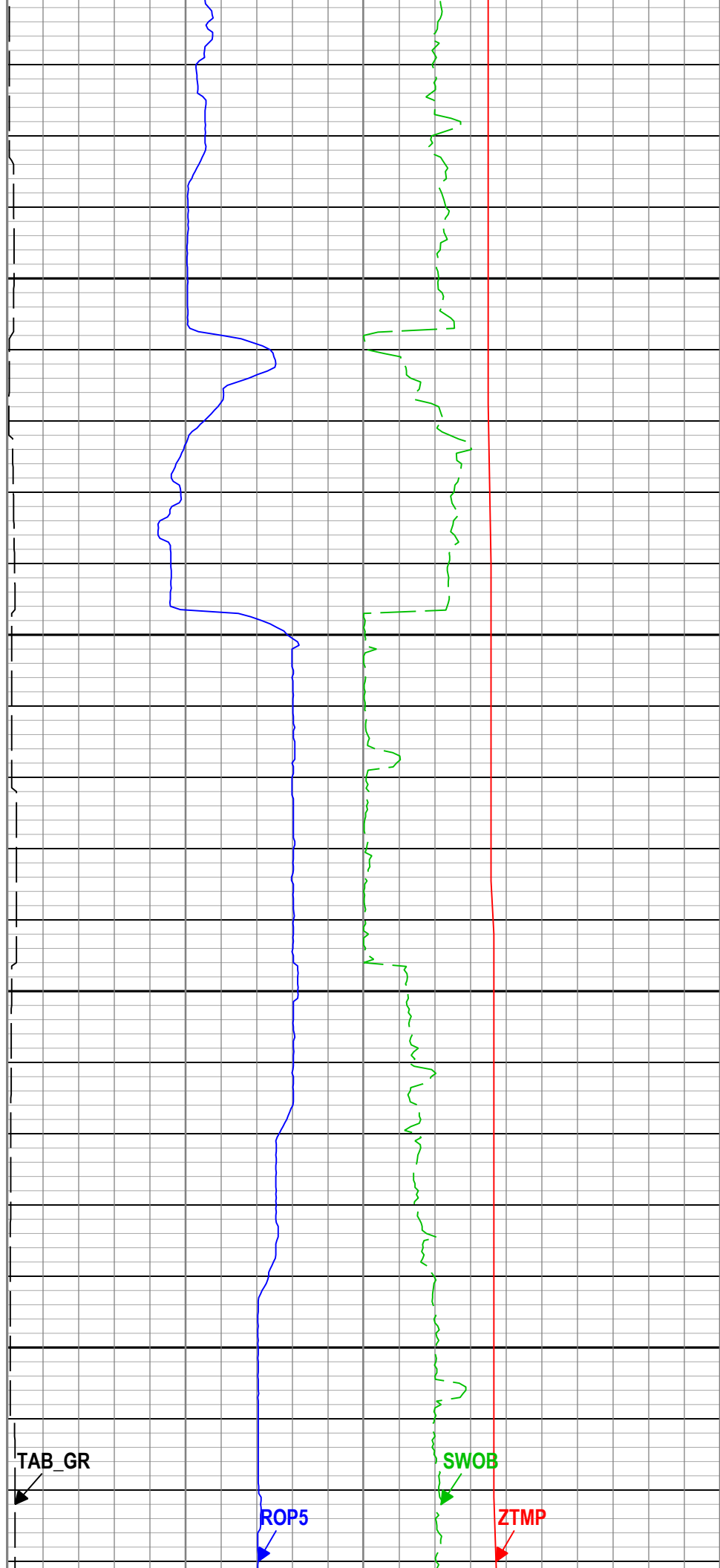
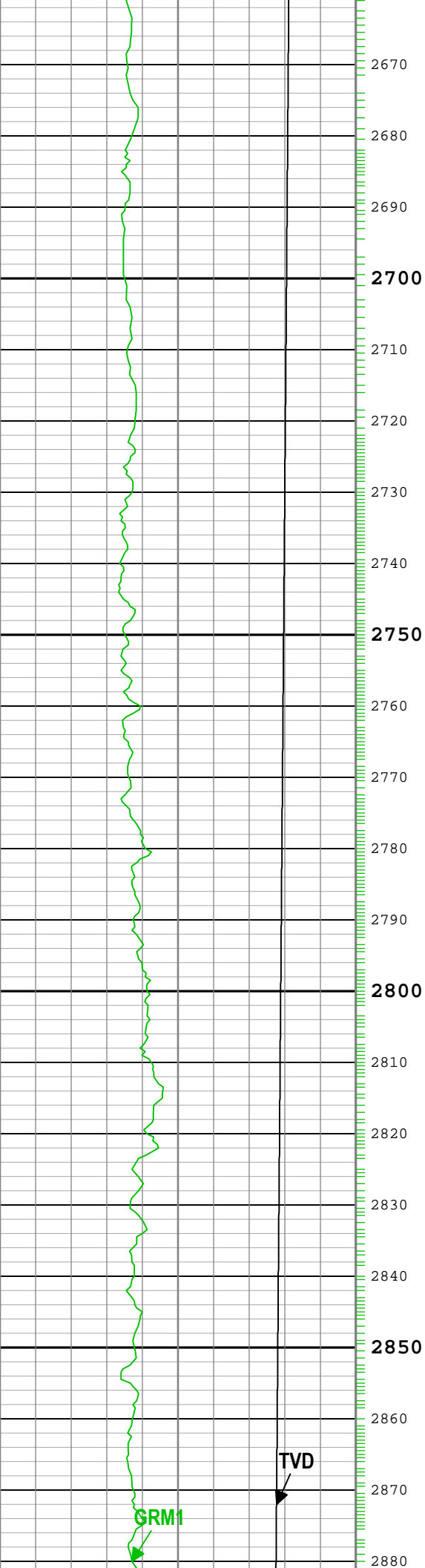
Log	Company:Crestone Peak Resources Operating LLC	Well:Dream Weaver North 3E-21H-N268
		Well Composite:S223

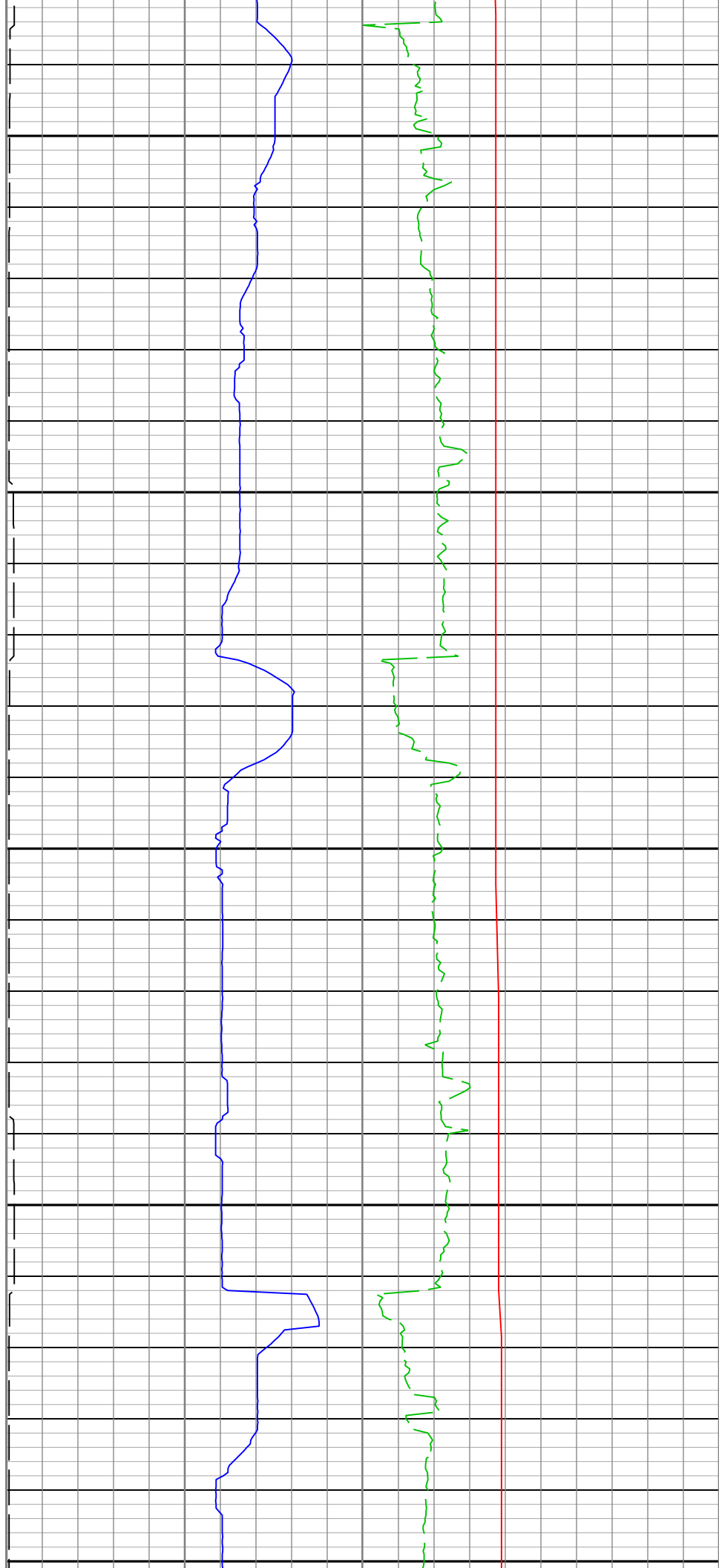
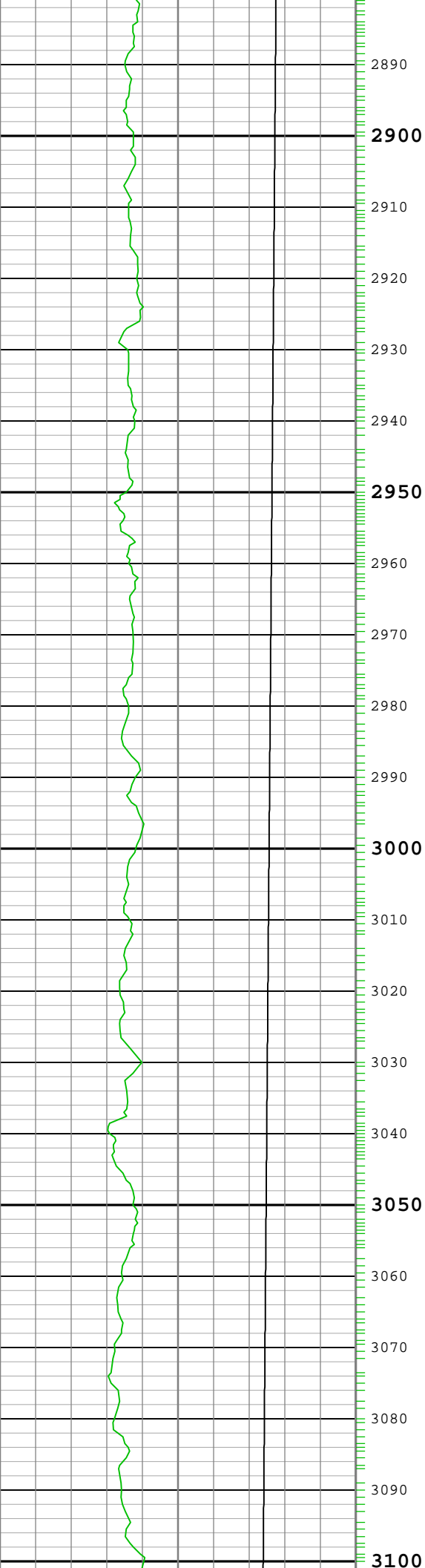
Description: Extreme Gamma Ray 1 RT Format: Log (Extreme Gamma Ray 1 RT) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 20-Nov-2019 06:50:22

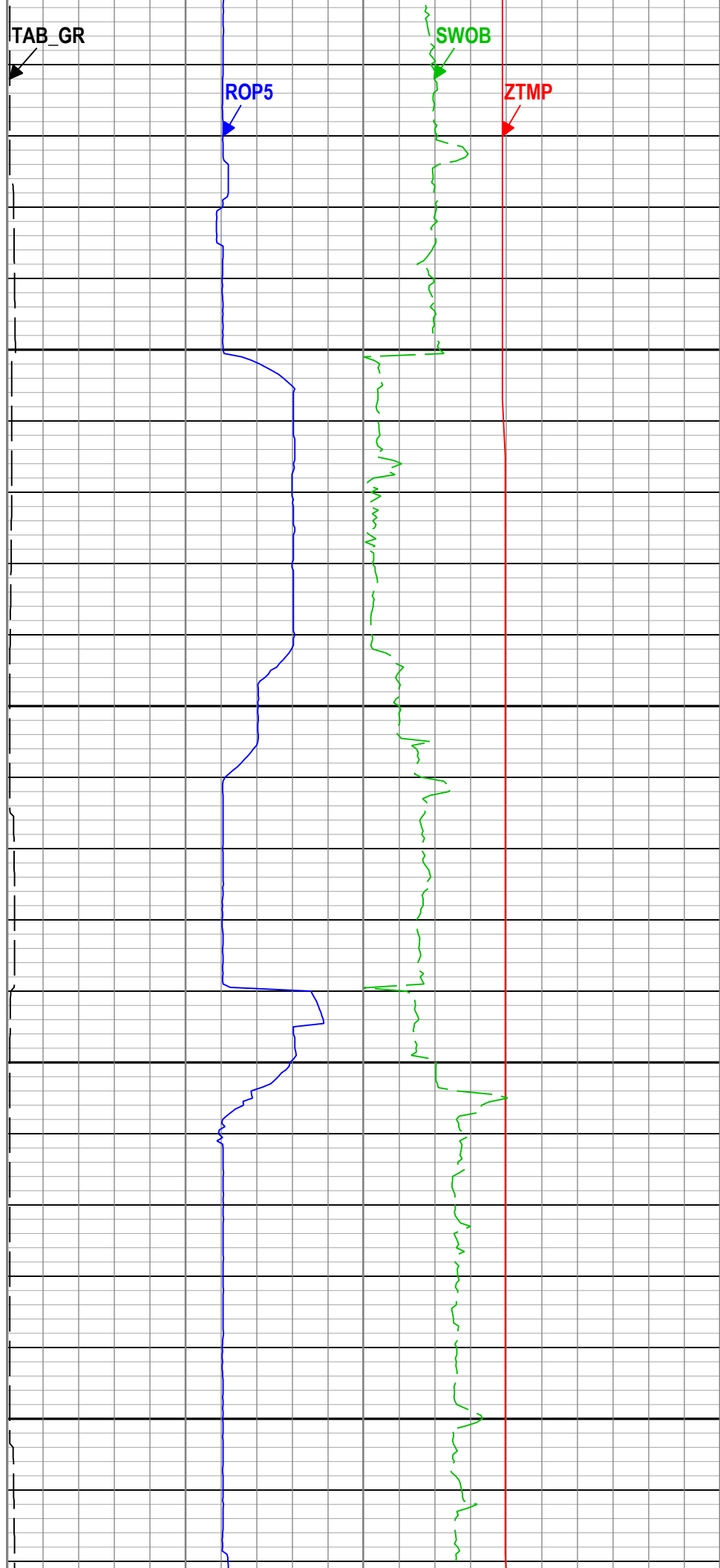
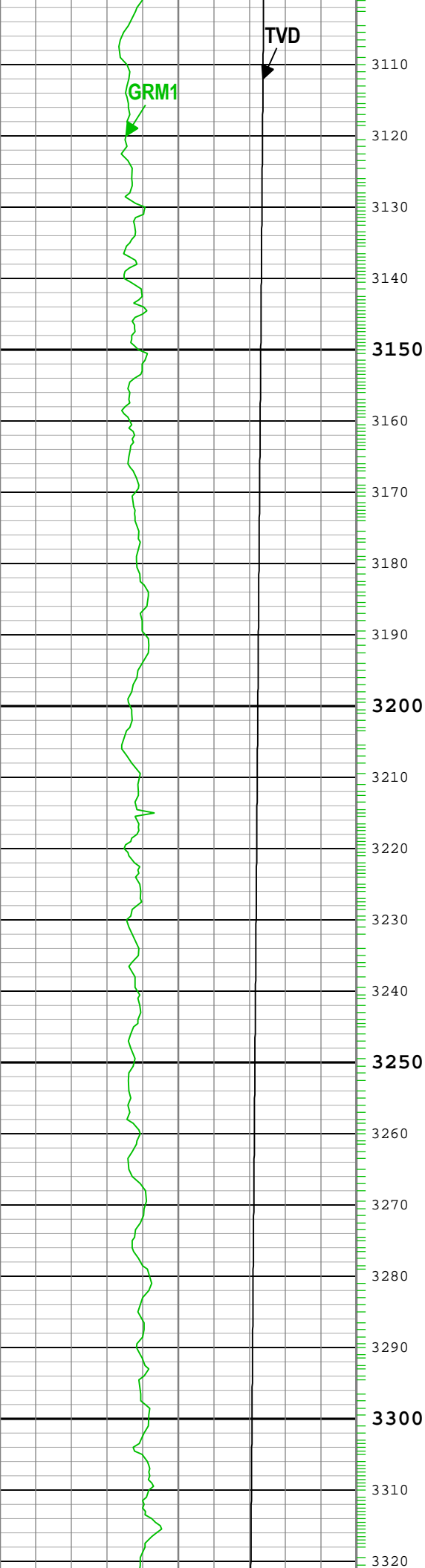
GRM1 - Gamma Ray Extreme[1] RT			Rate of penetration averaged over the last 5 ft (1.5 m) (ROP5) RT			Cartridge Temperature (ZTMP) Extreme[1] RT		
Gamma Ray (GRM1) Extreme[1] RT			1000 ft/h 0			0 degF 300		
0 gAPI 300			Gamma Ray Time after Bit (TAB_GR) Extreme[1]			Surface Weight On Bit (SWOB) RT		
True Vertical Depth (TVD) RT			0 h 10			0 1000 lbf 50		
7500 ft 1500								

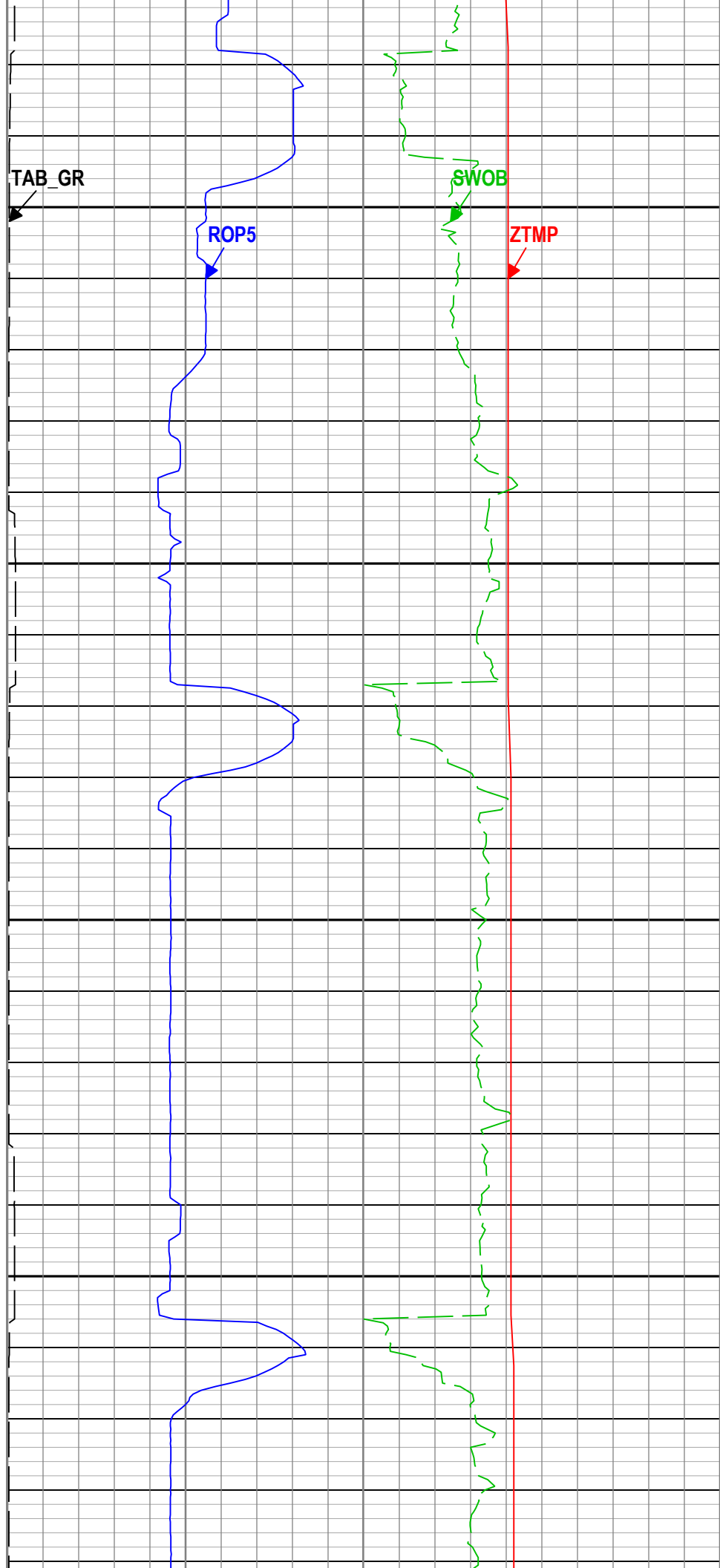
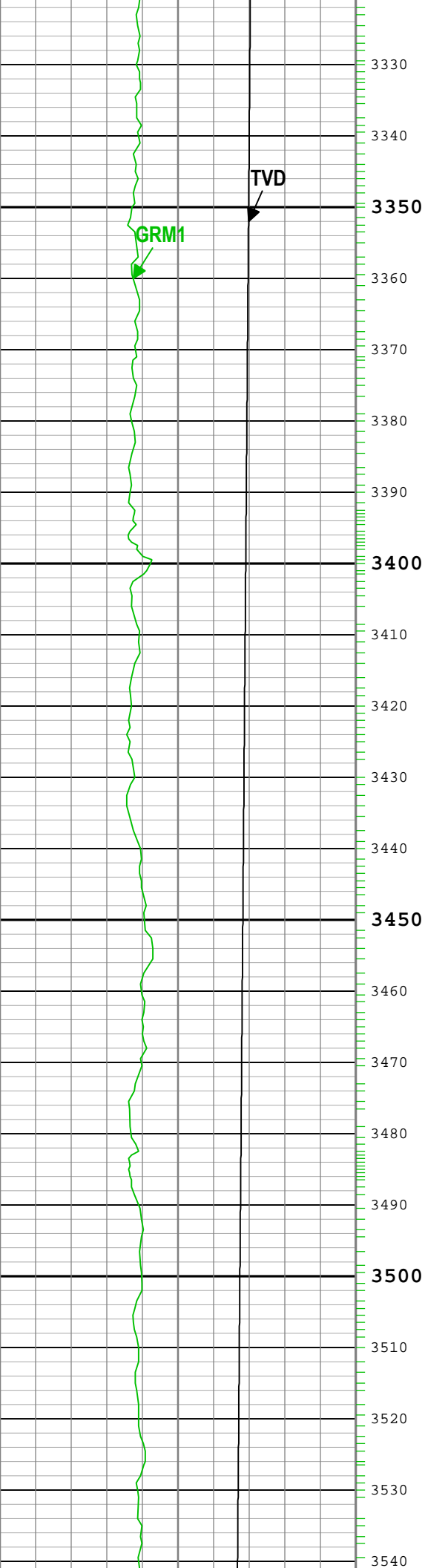


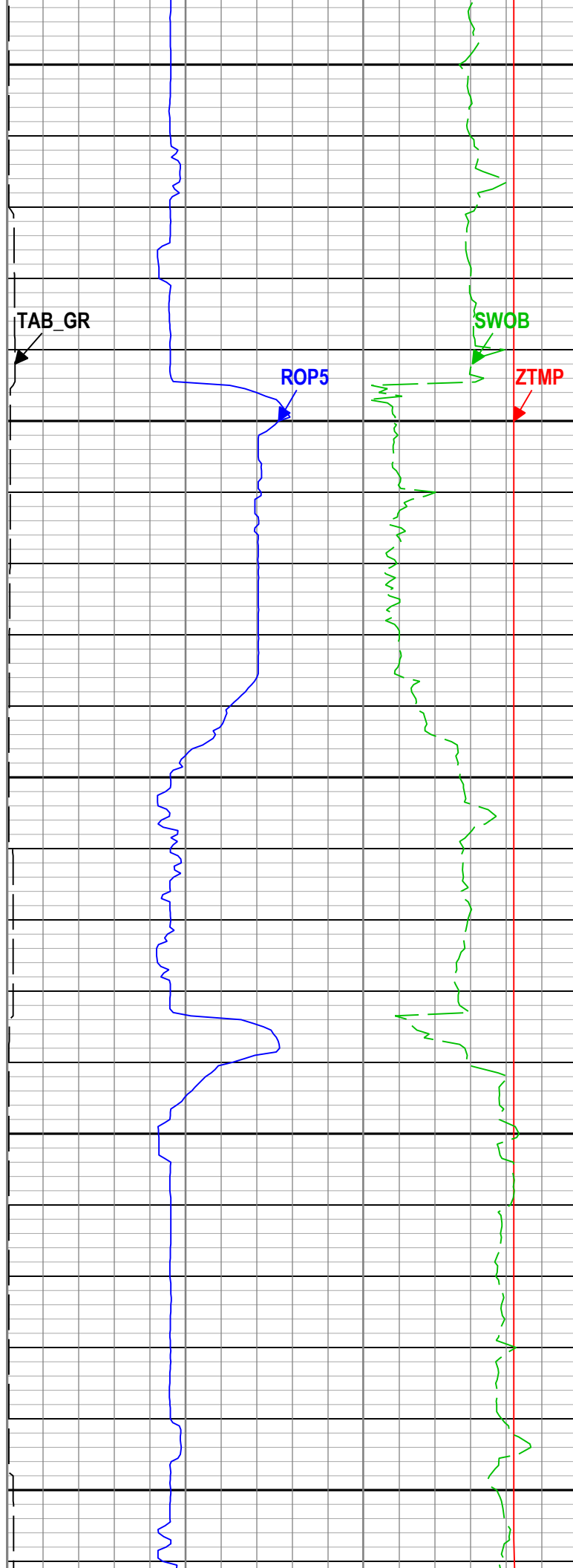
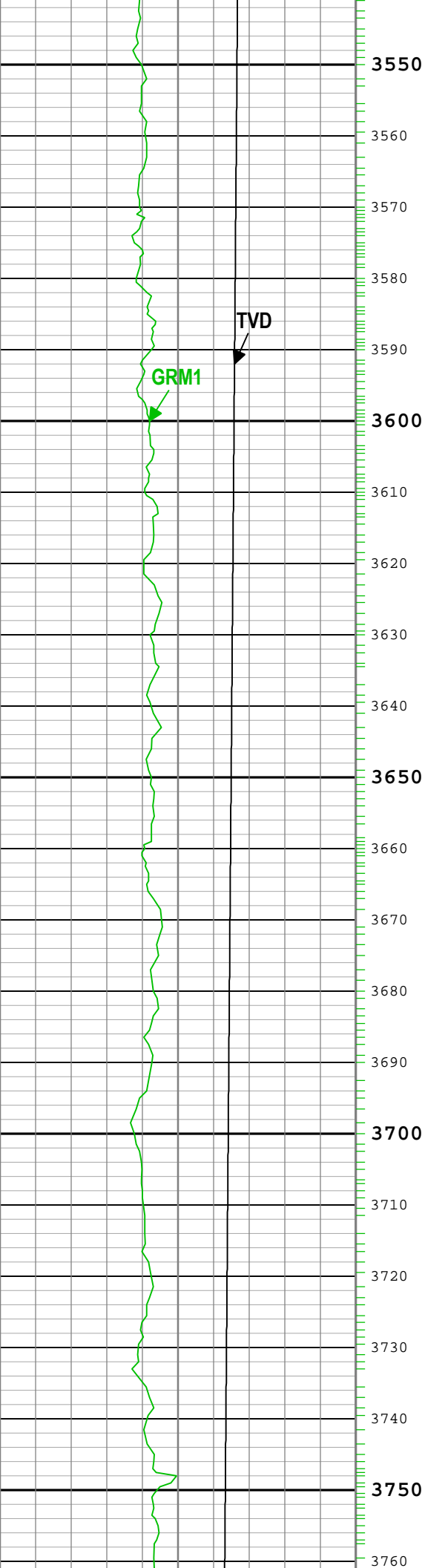


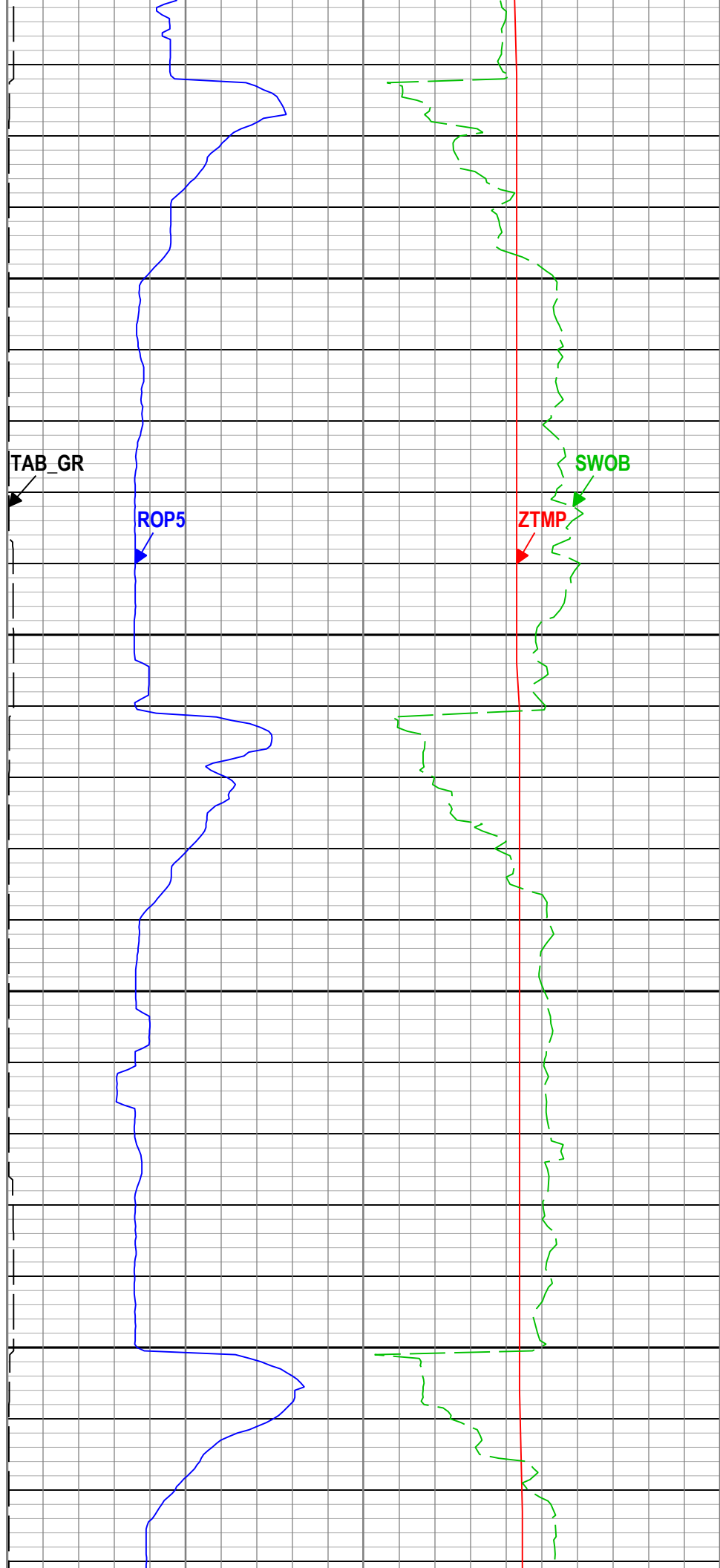
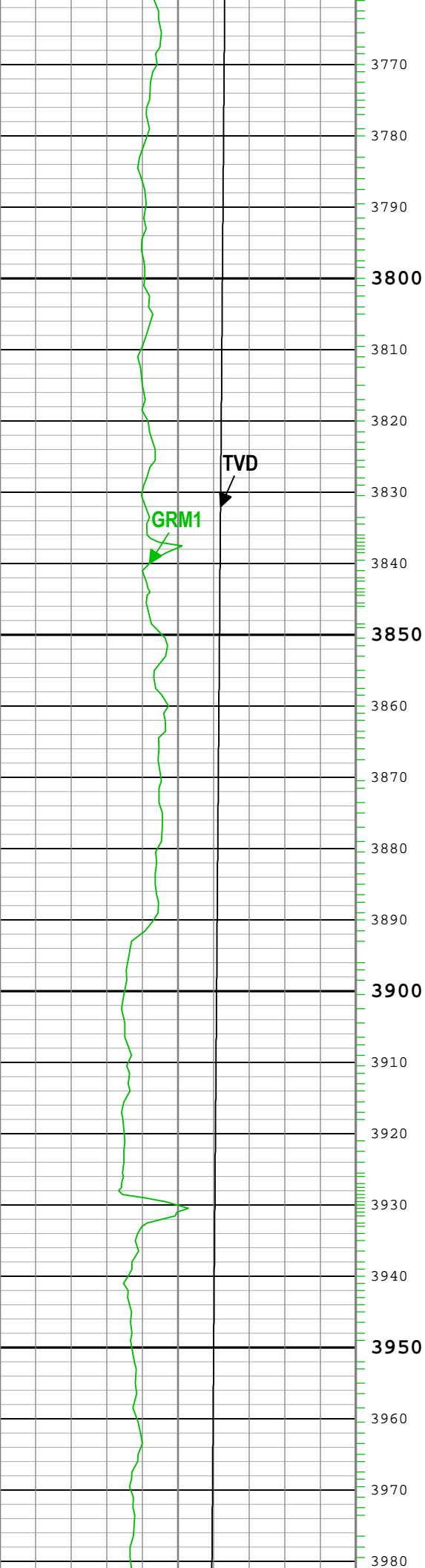


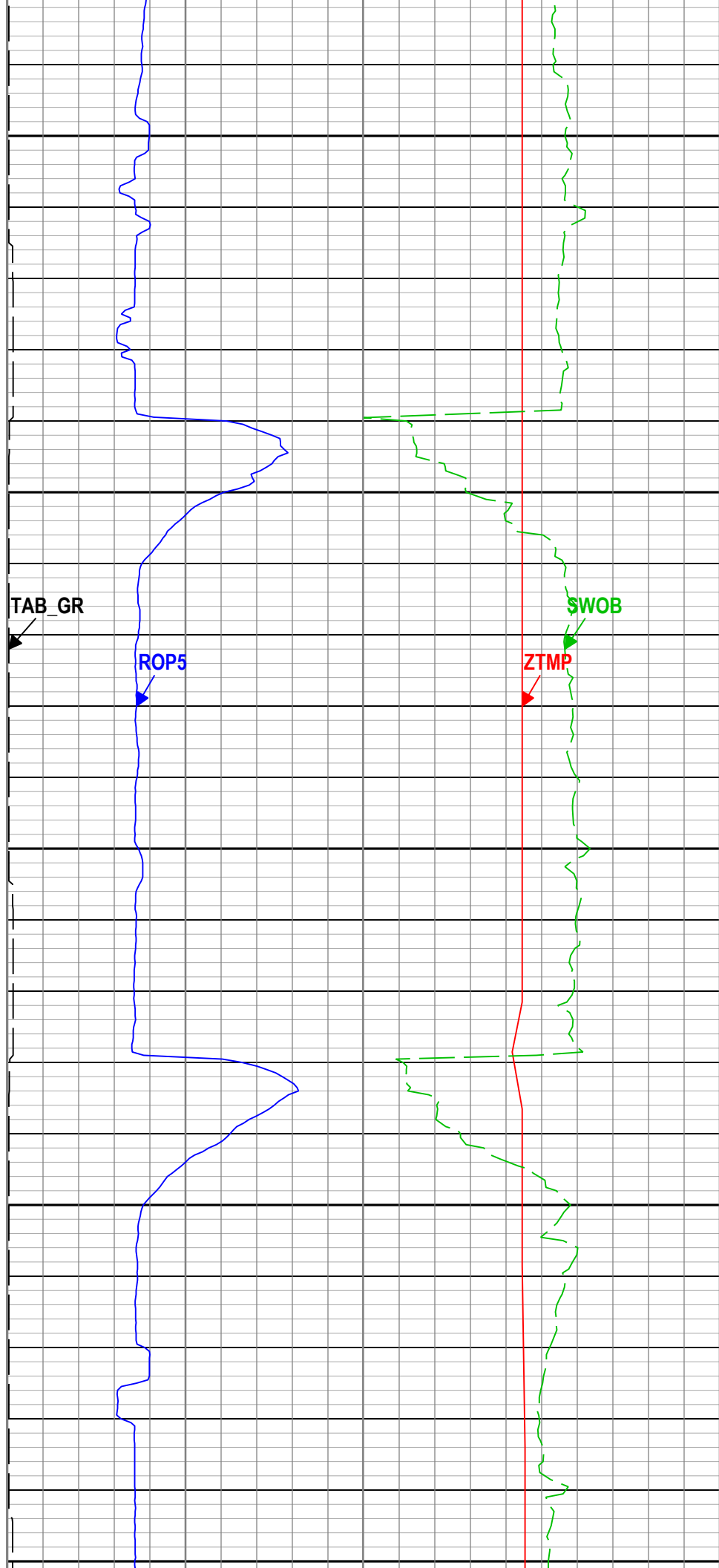
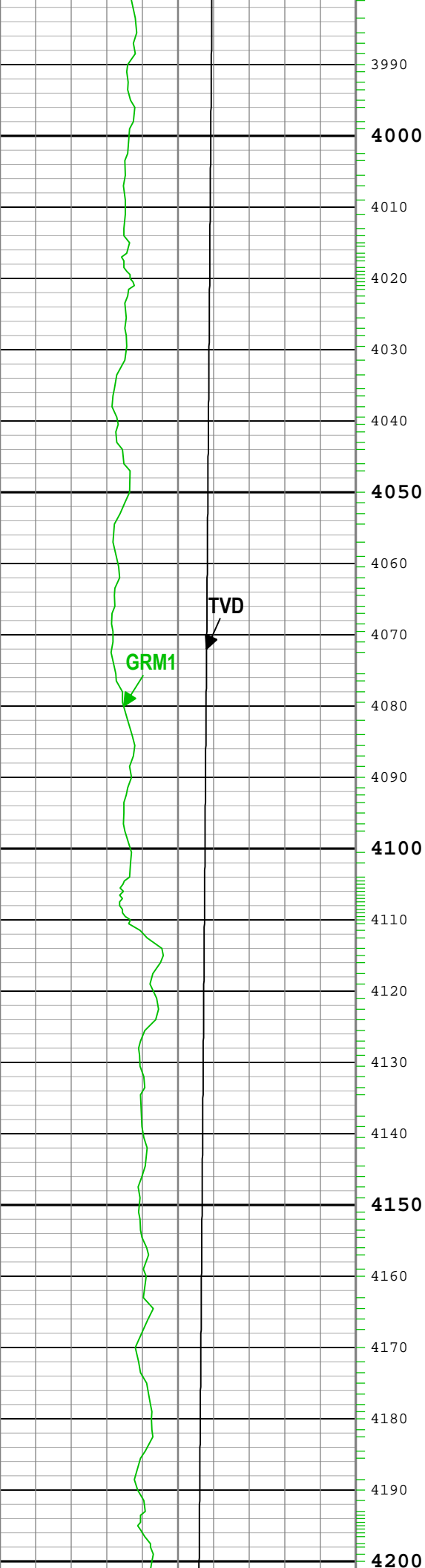


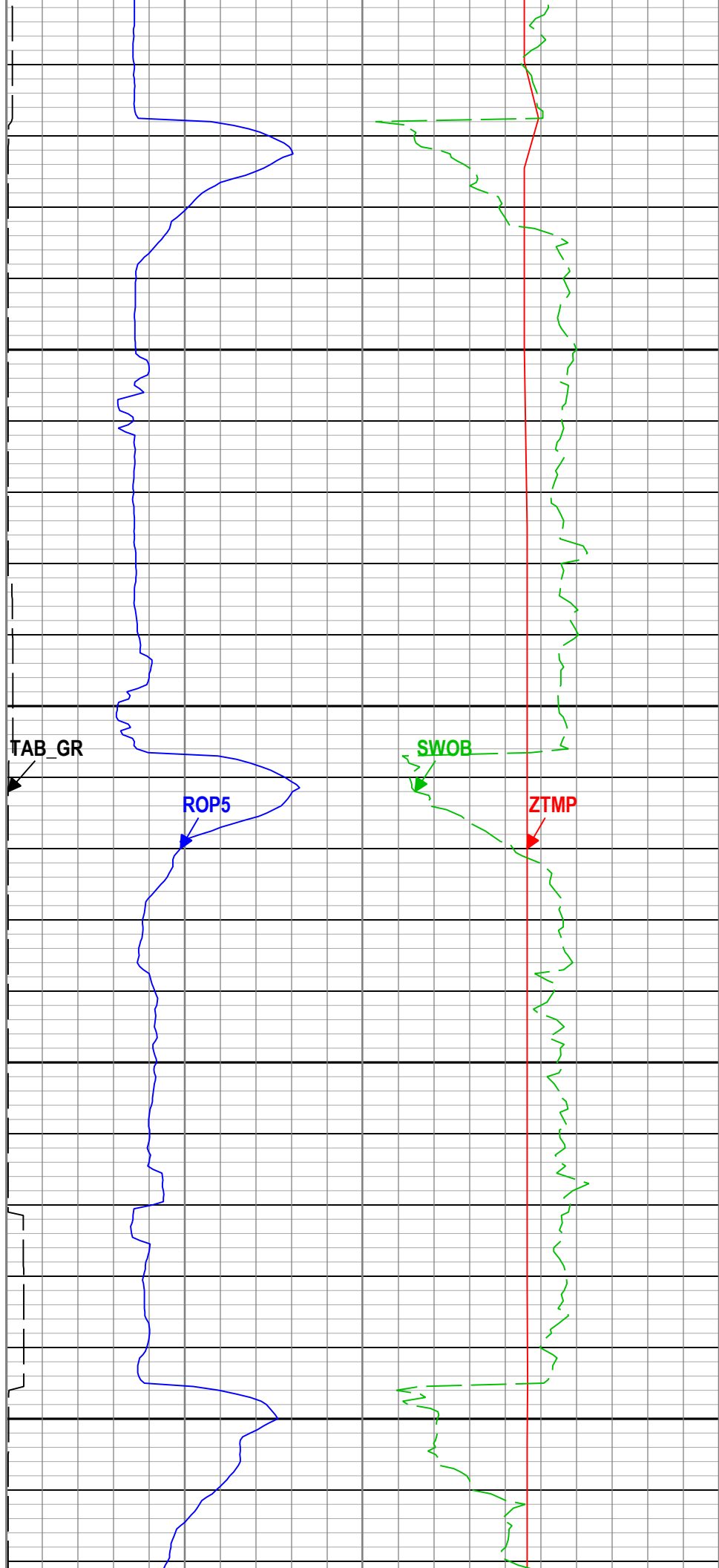
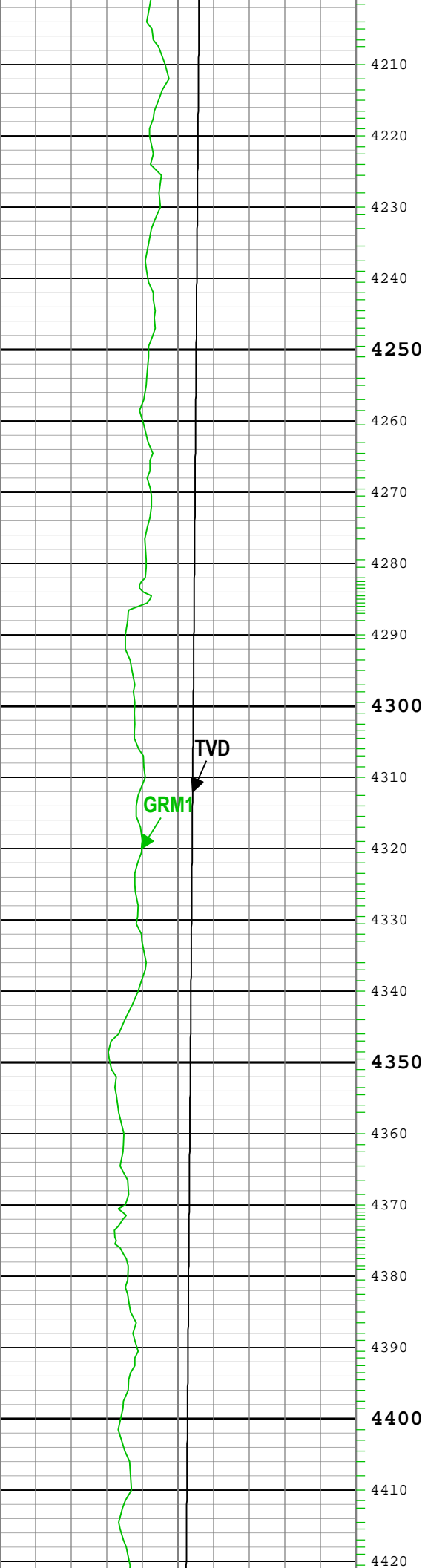


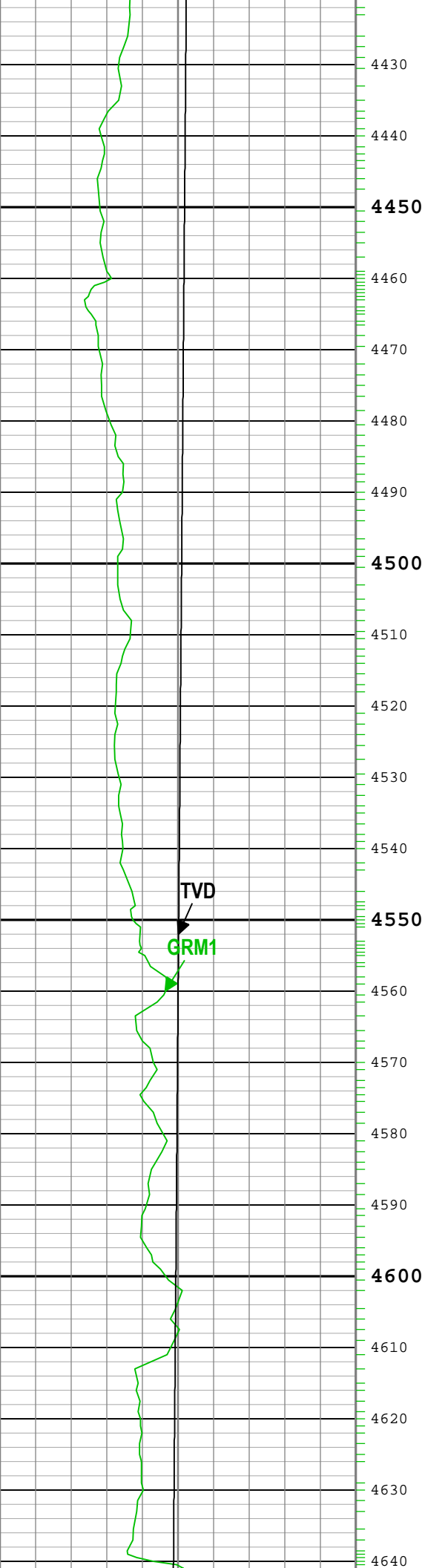


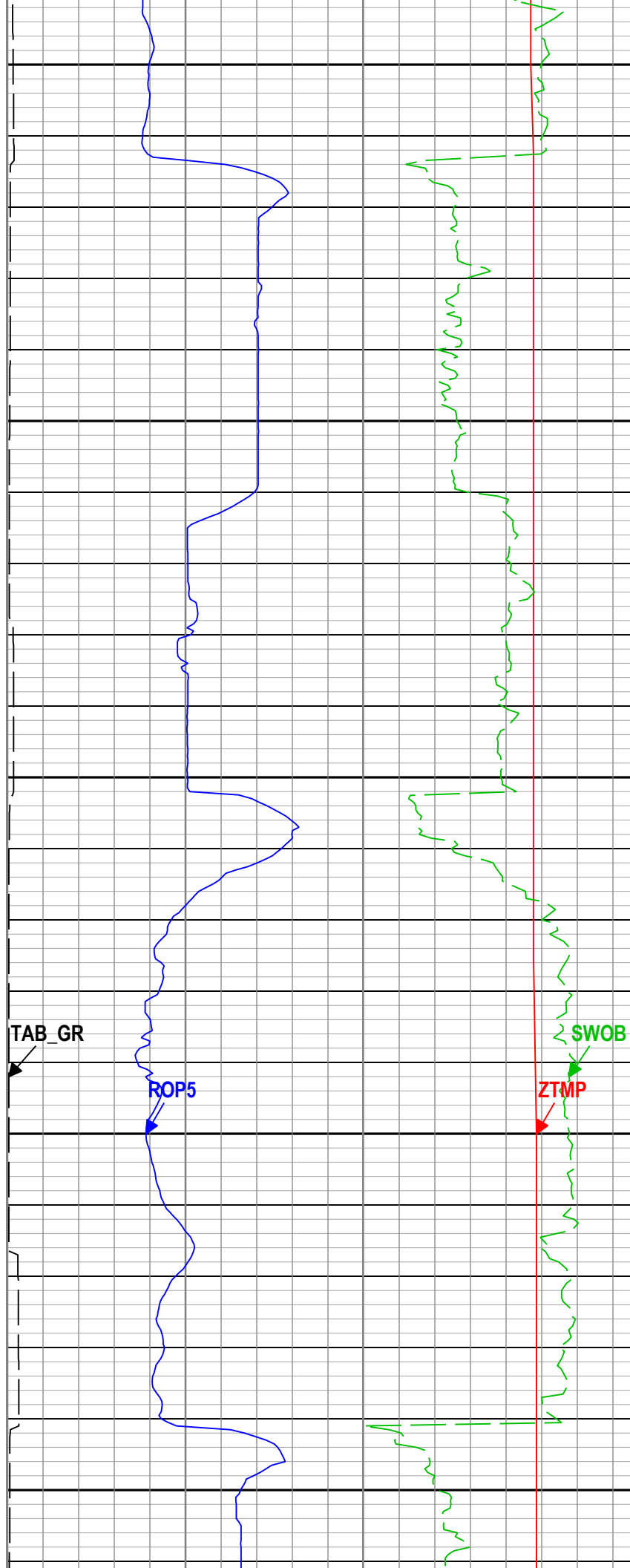
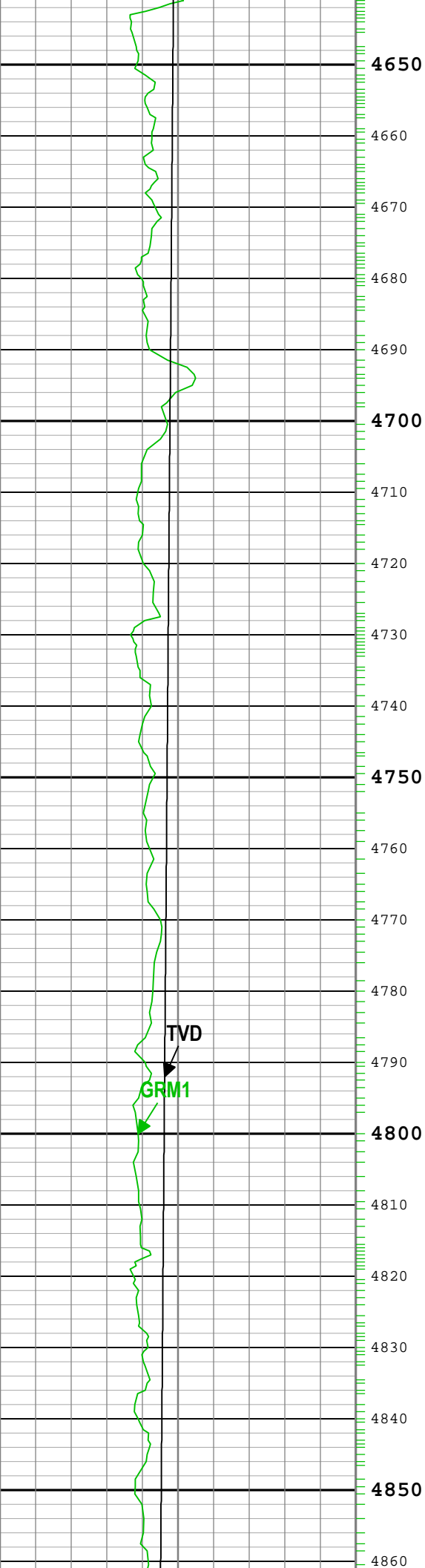


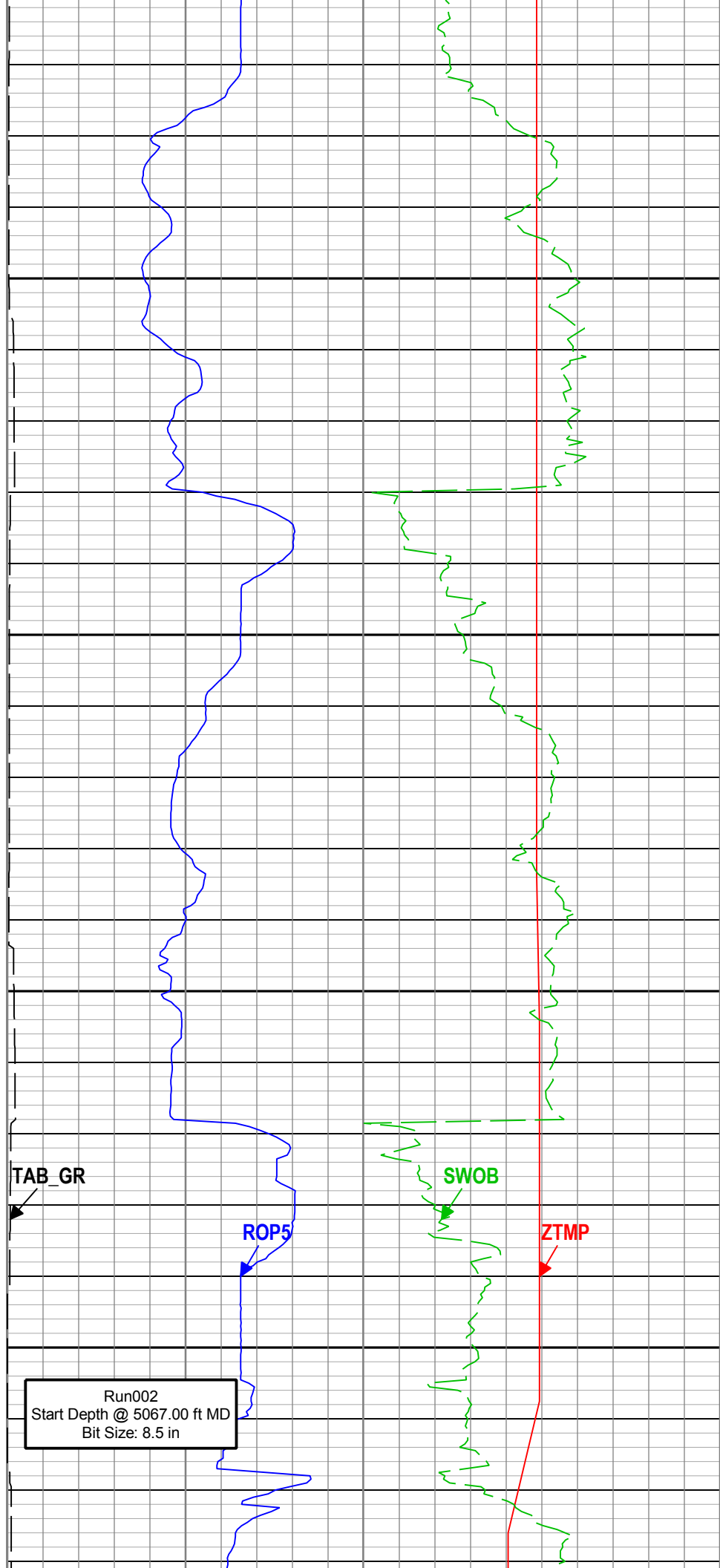
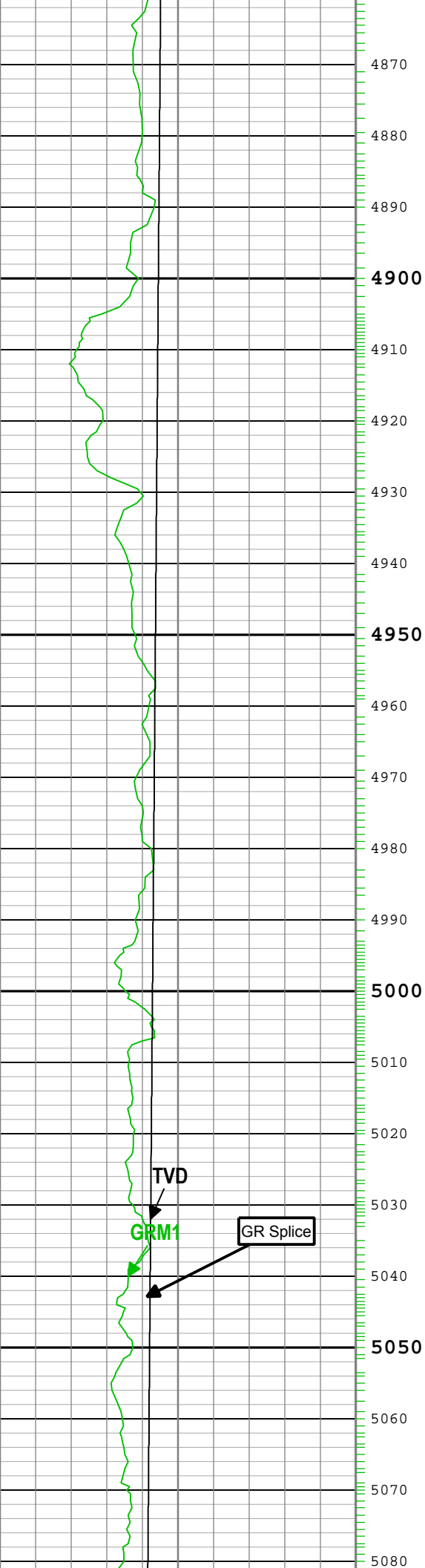


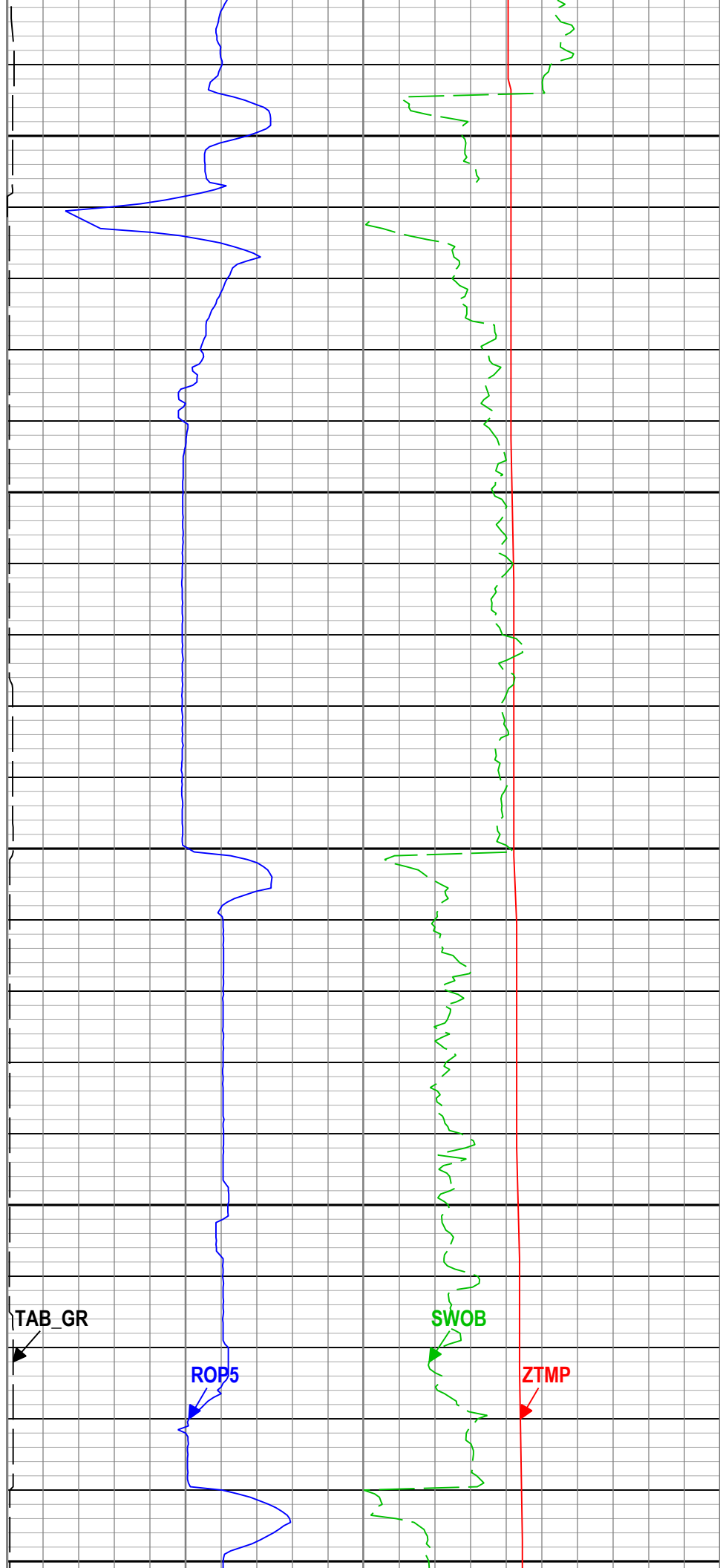
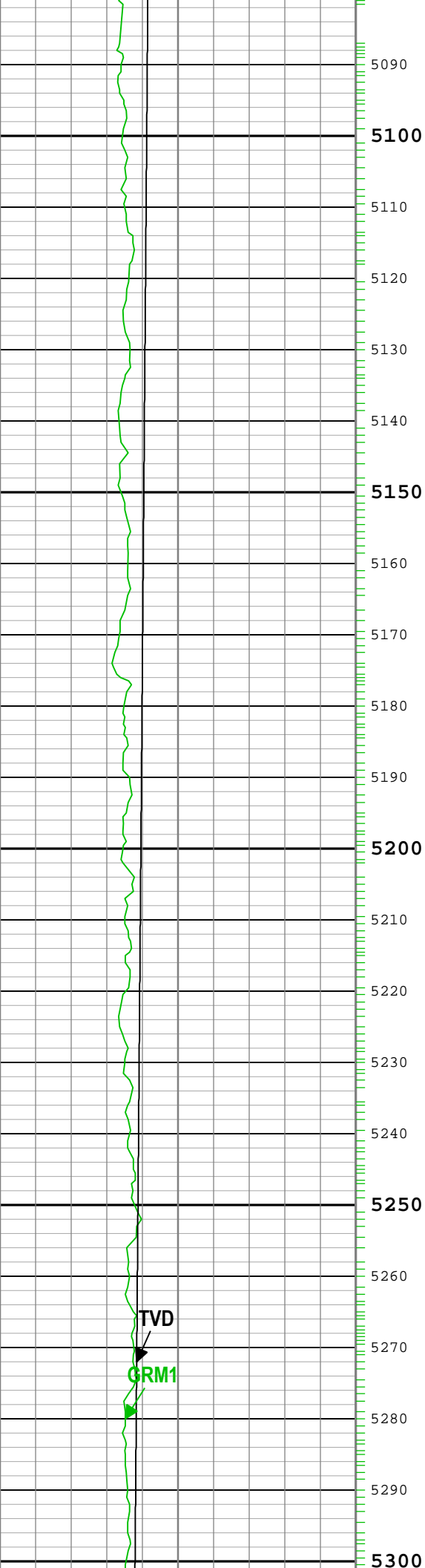


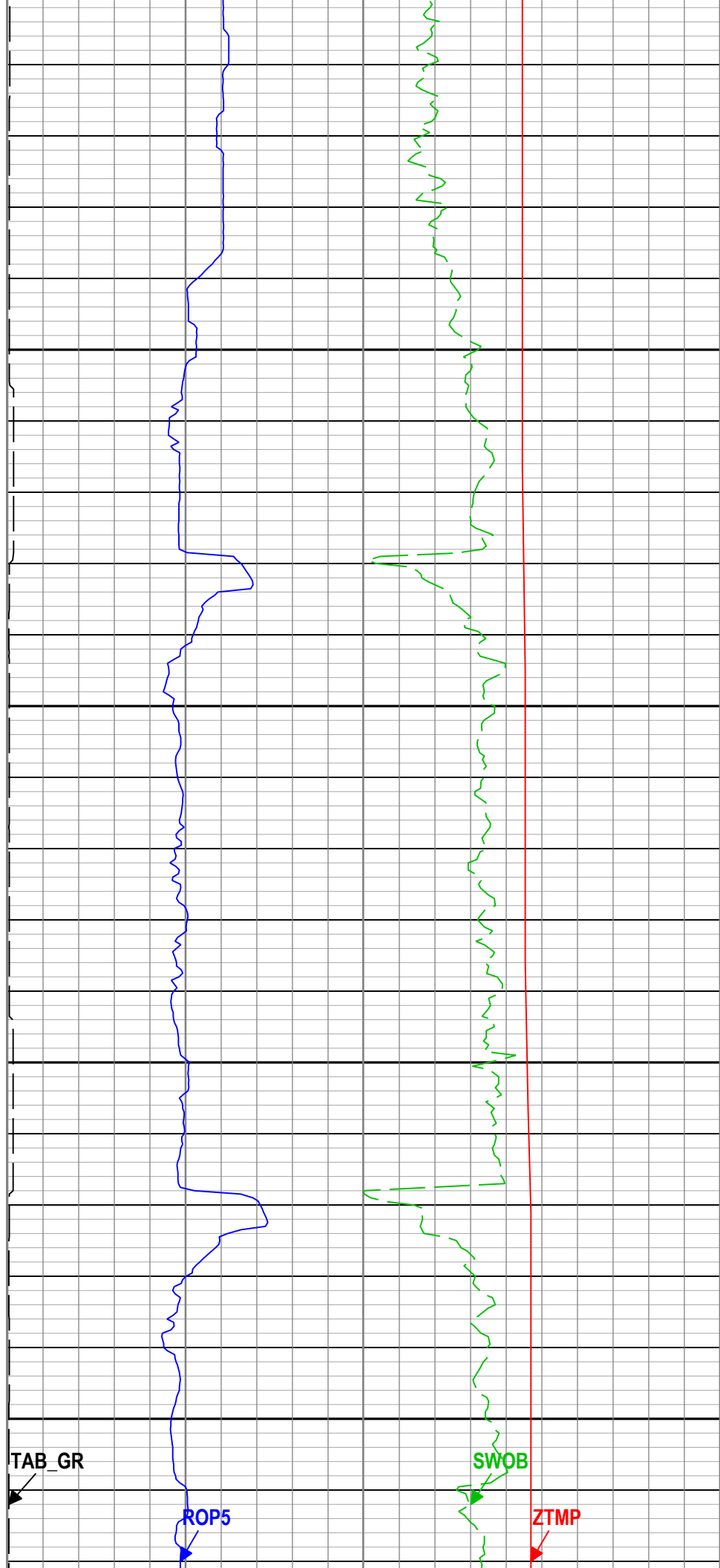
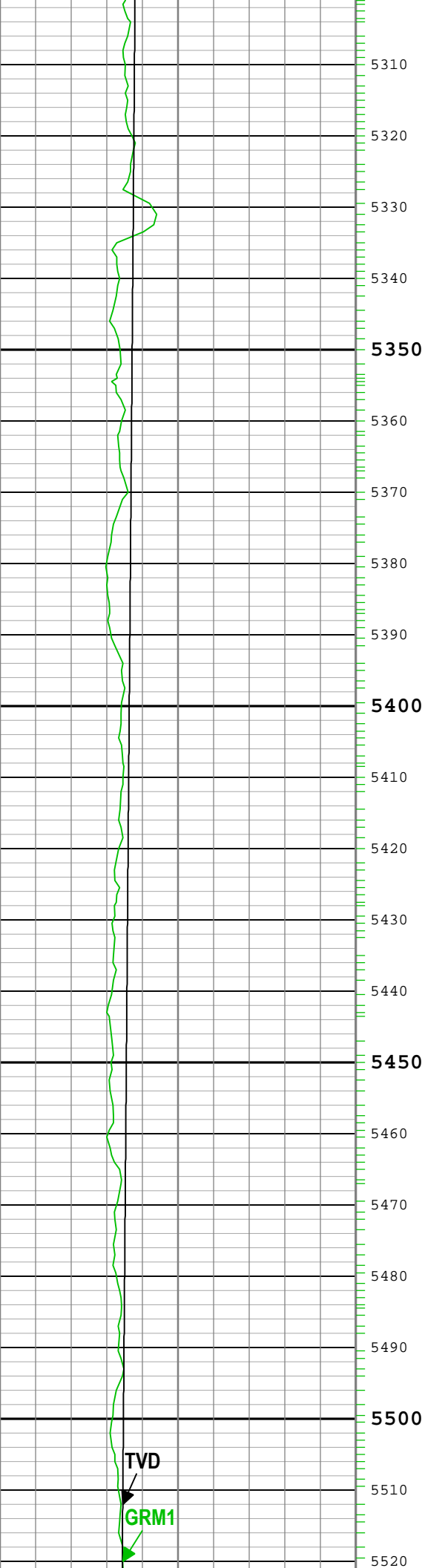


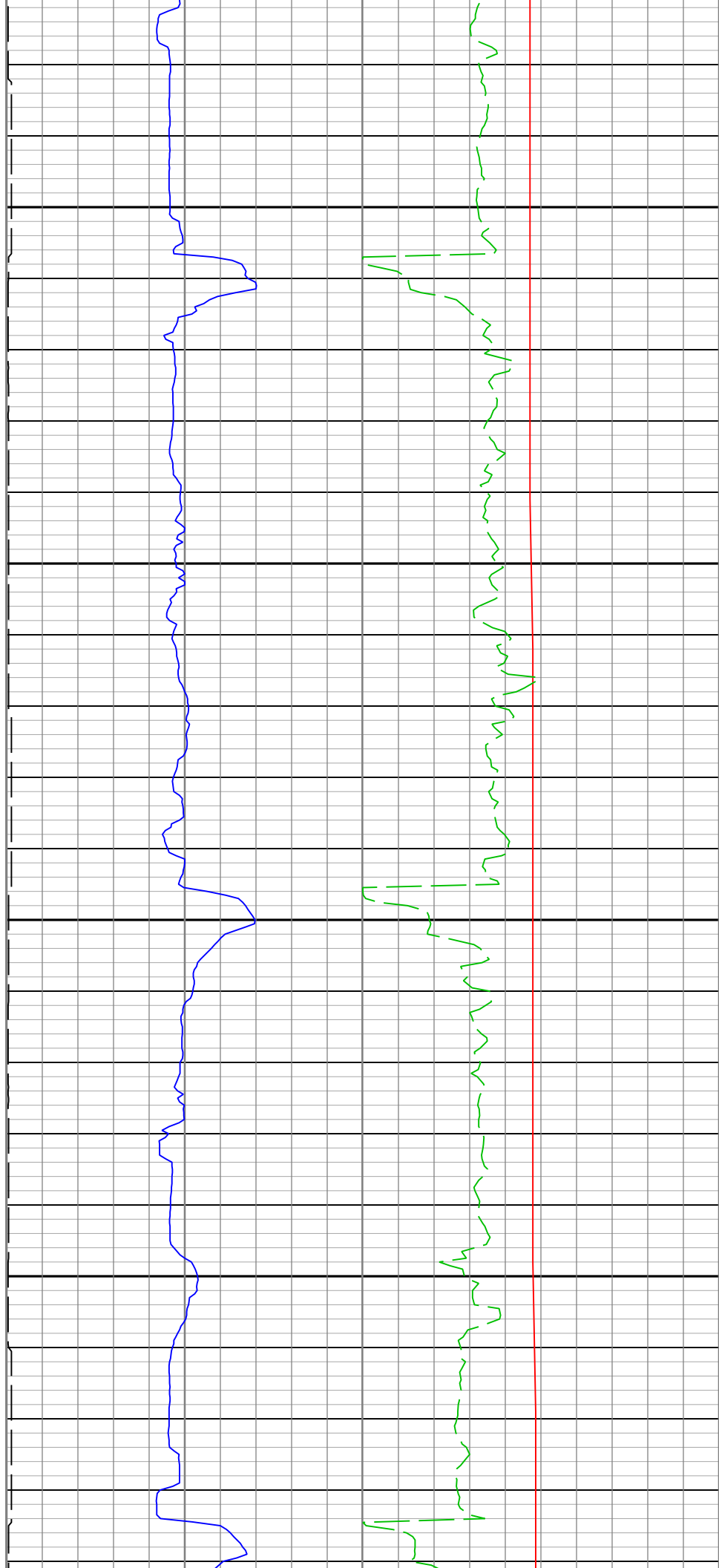
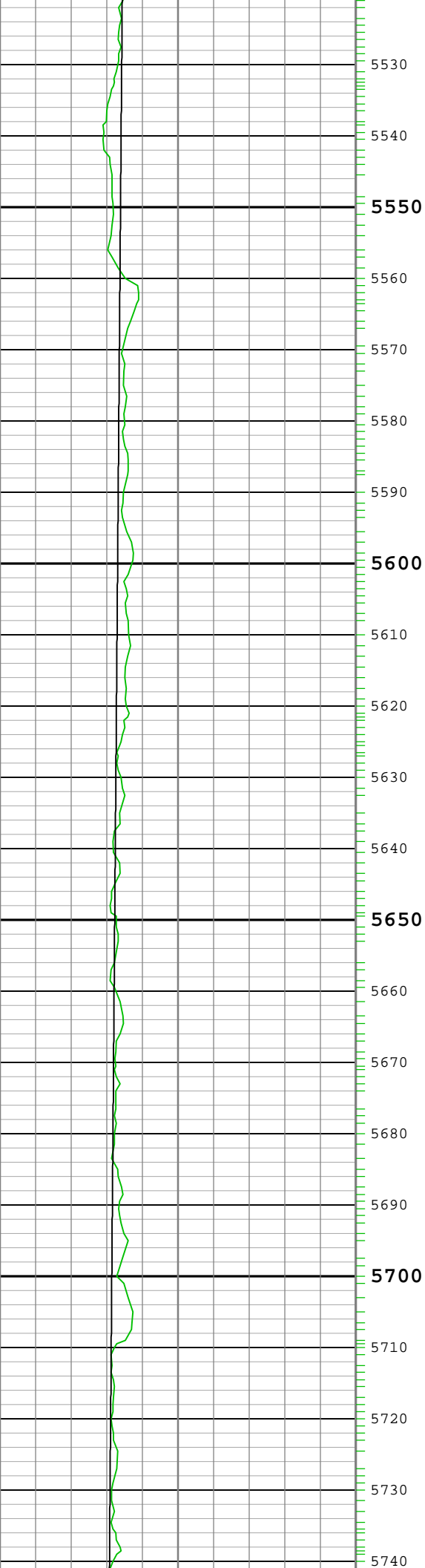


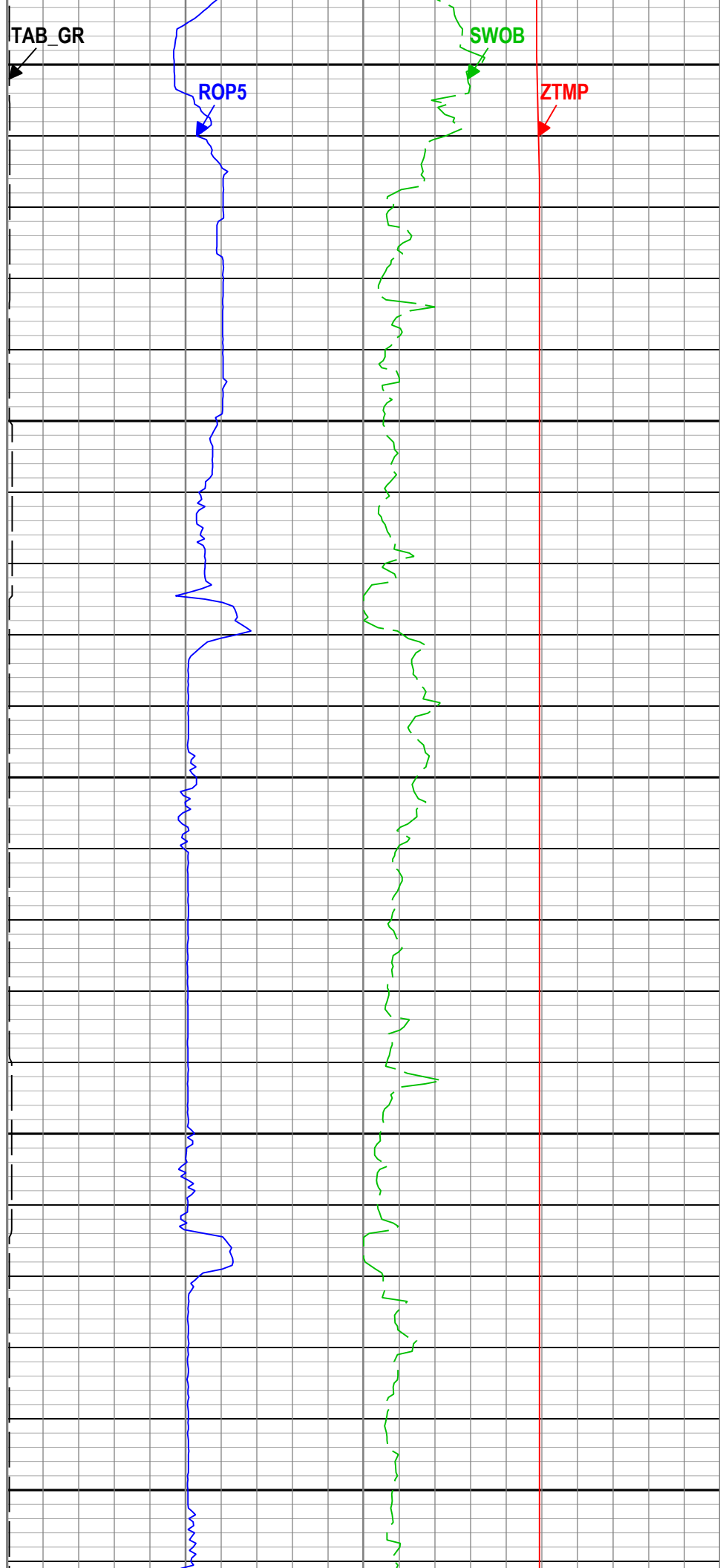
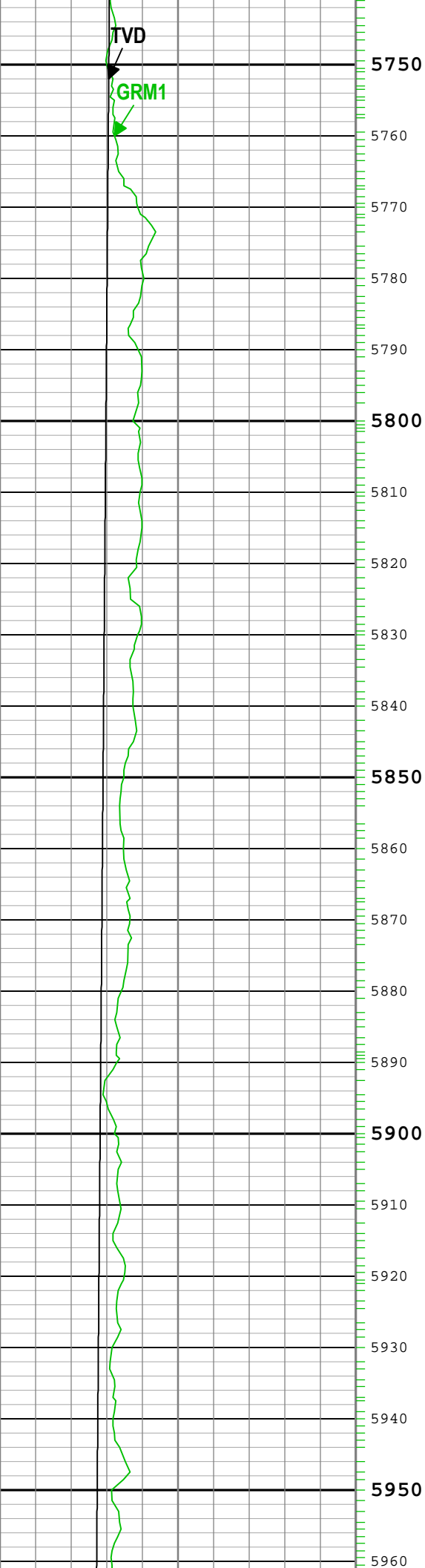


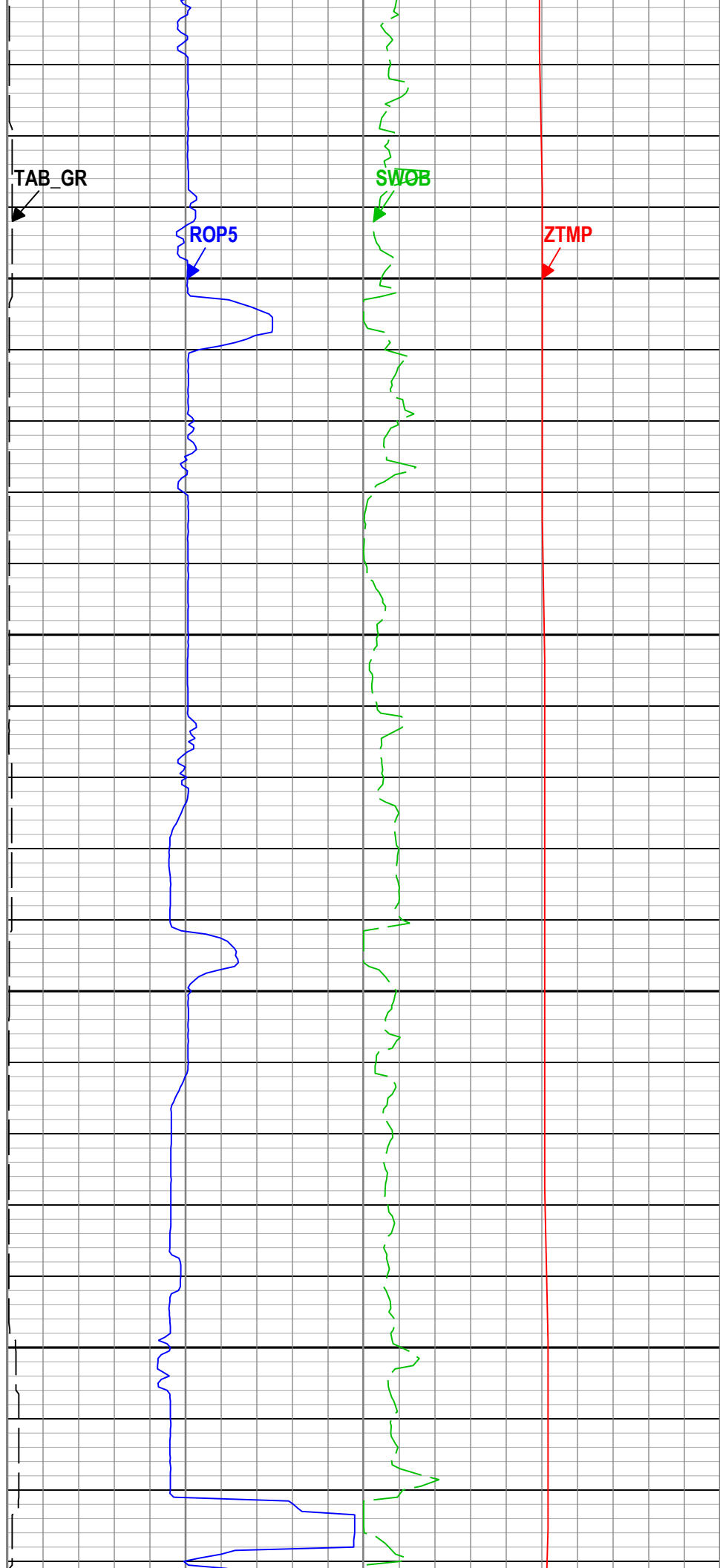
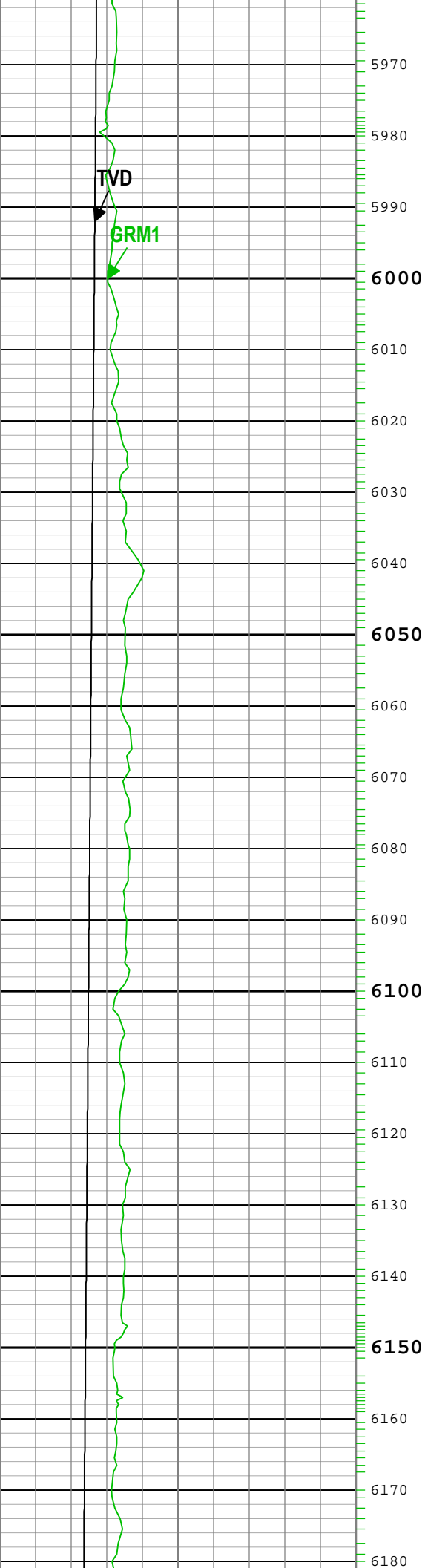


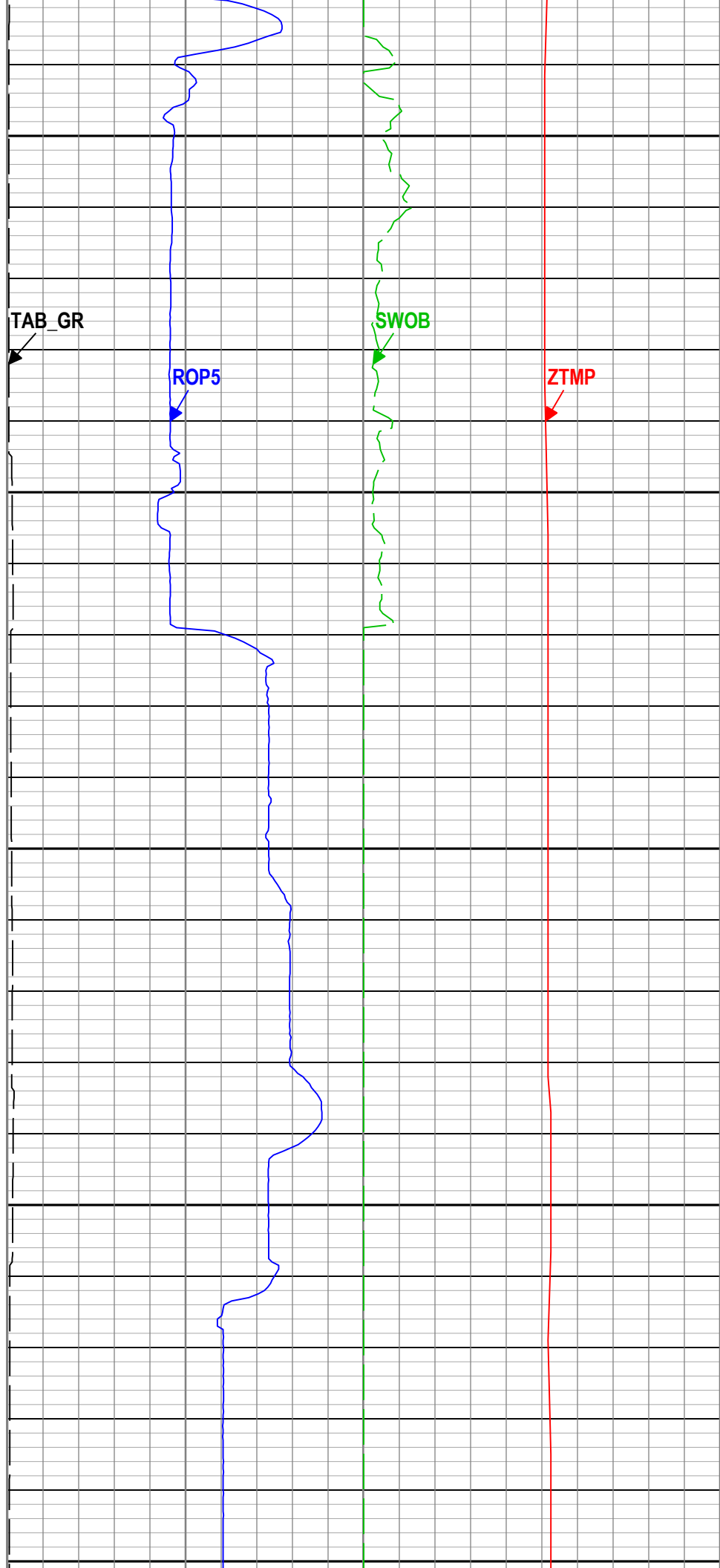
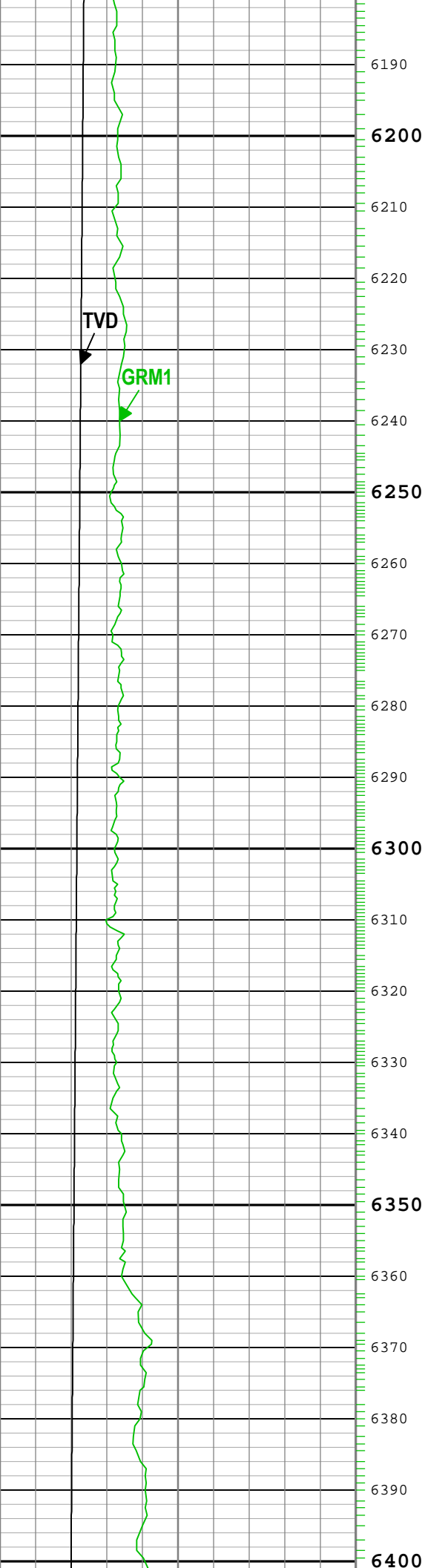


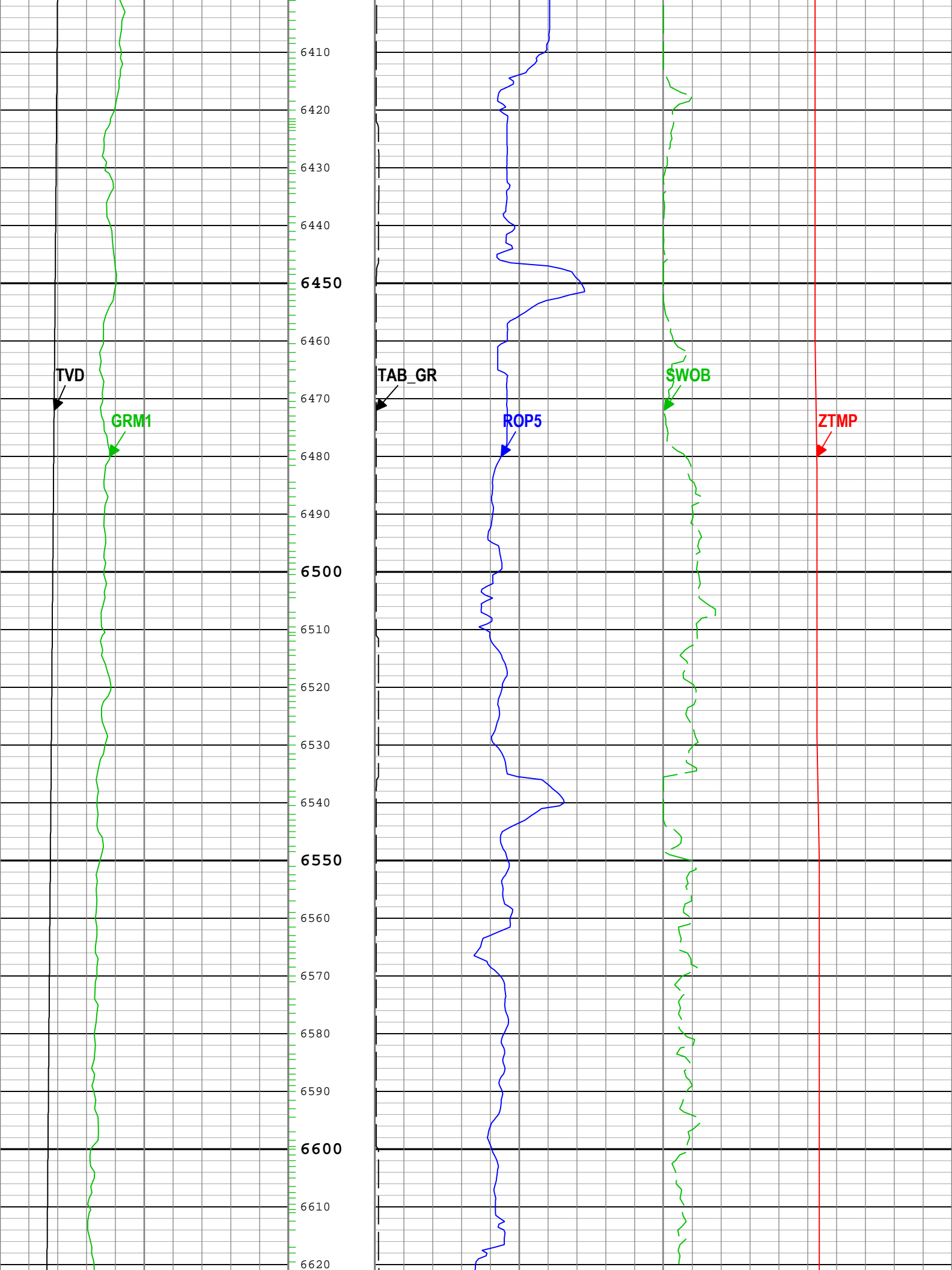


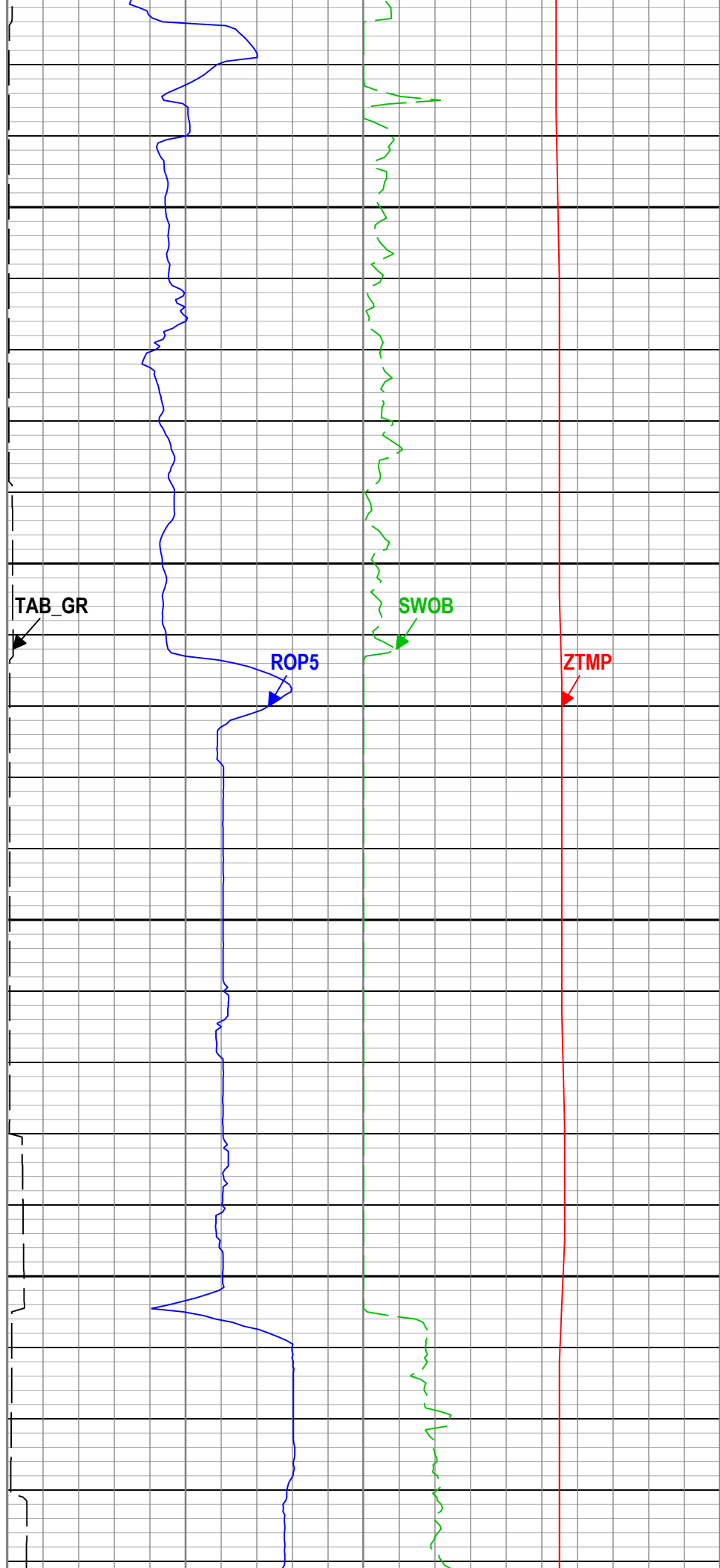
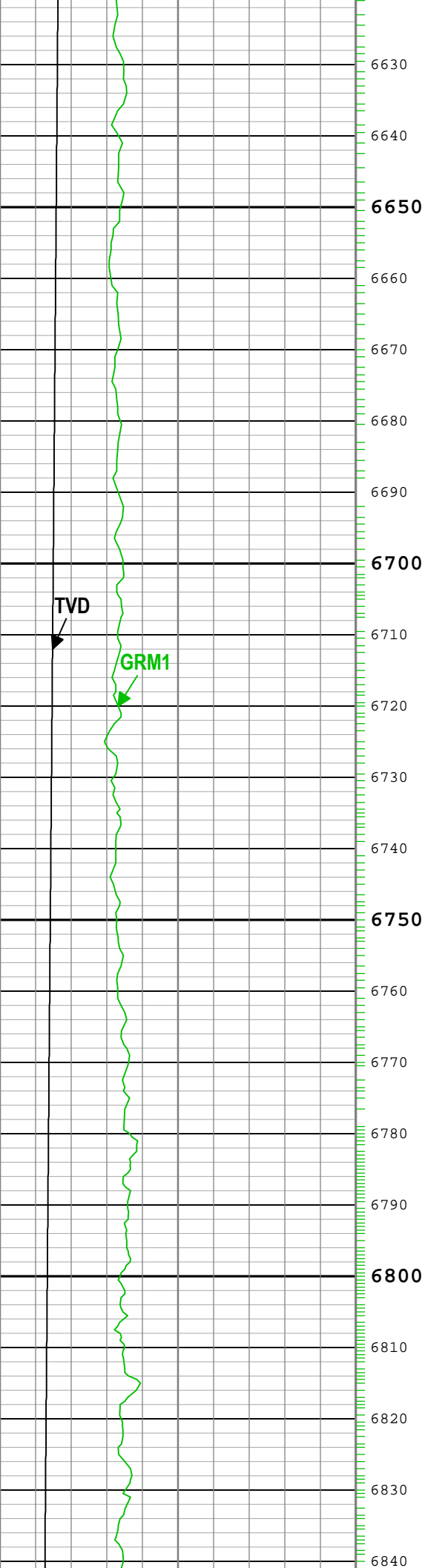


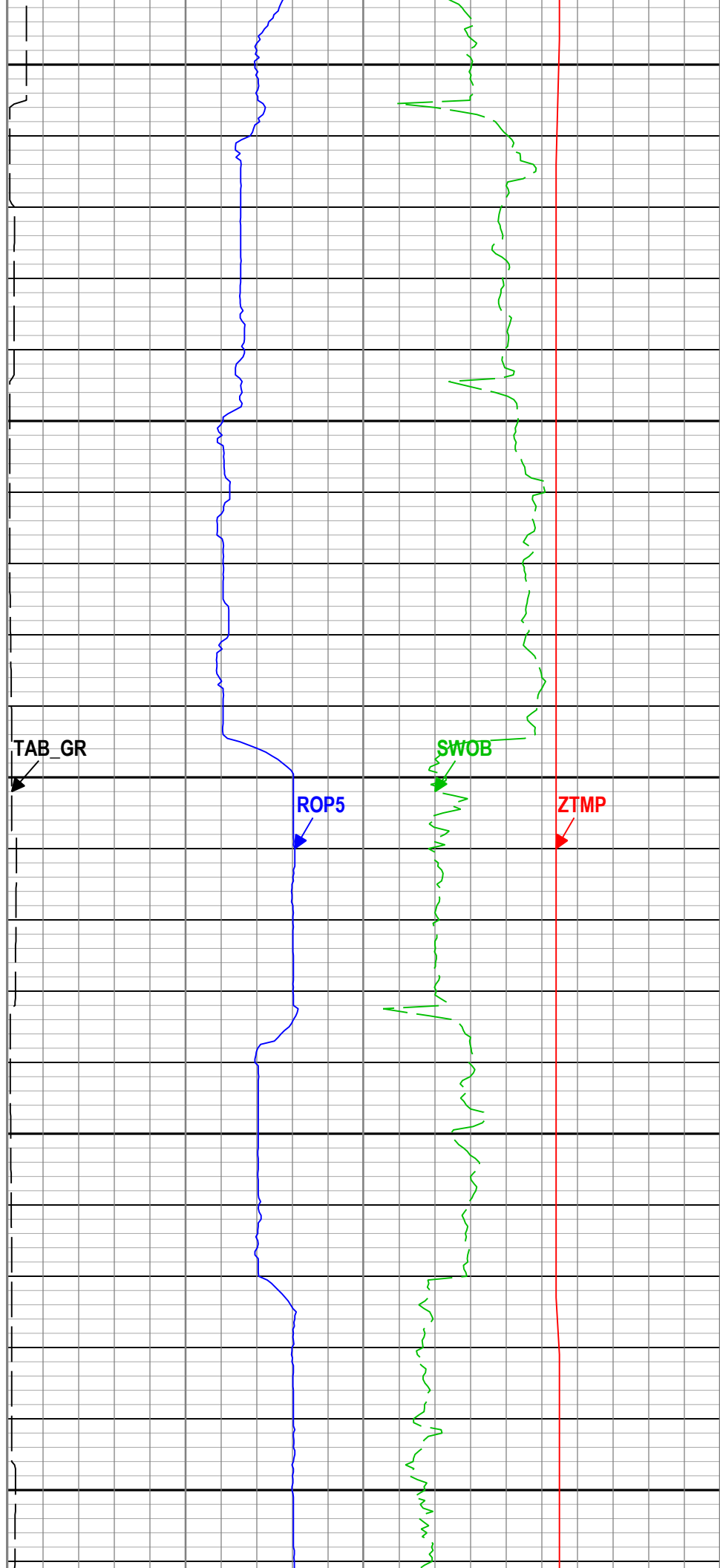
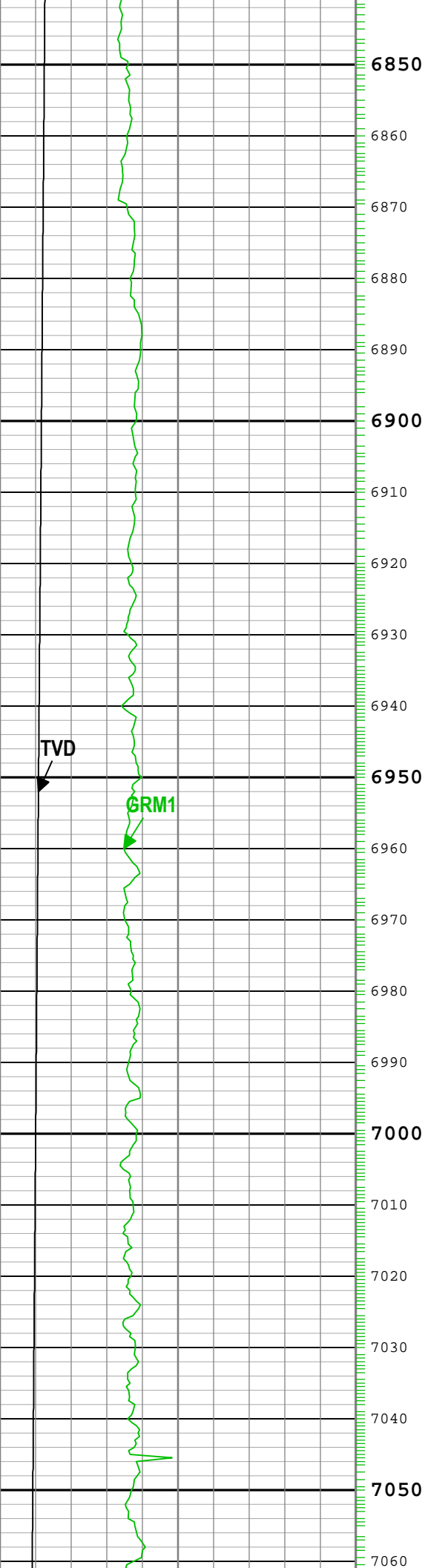


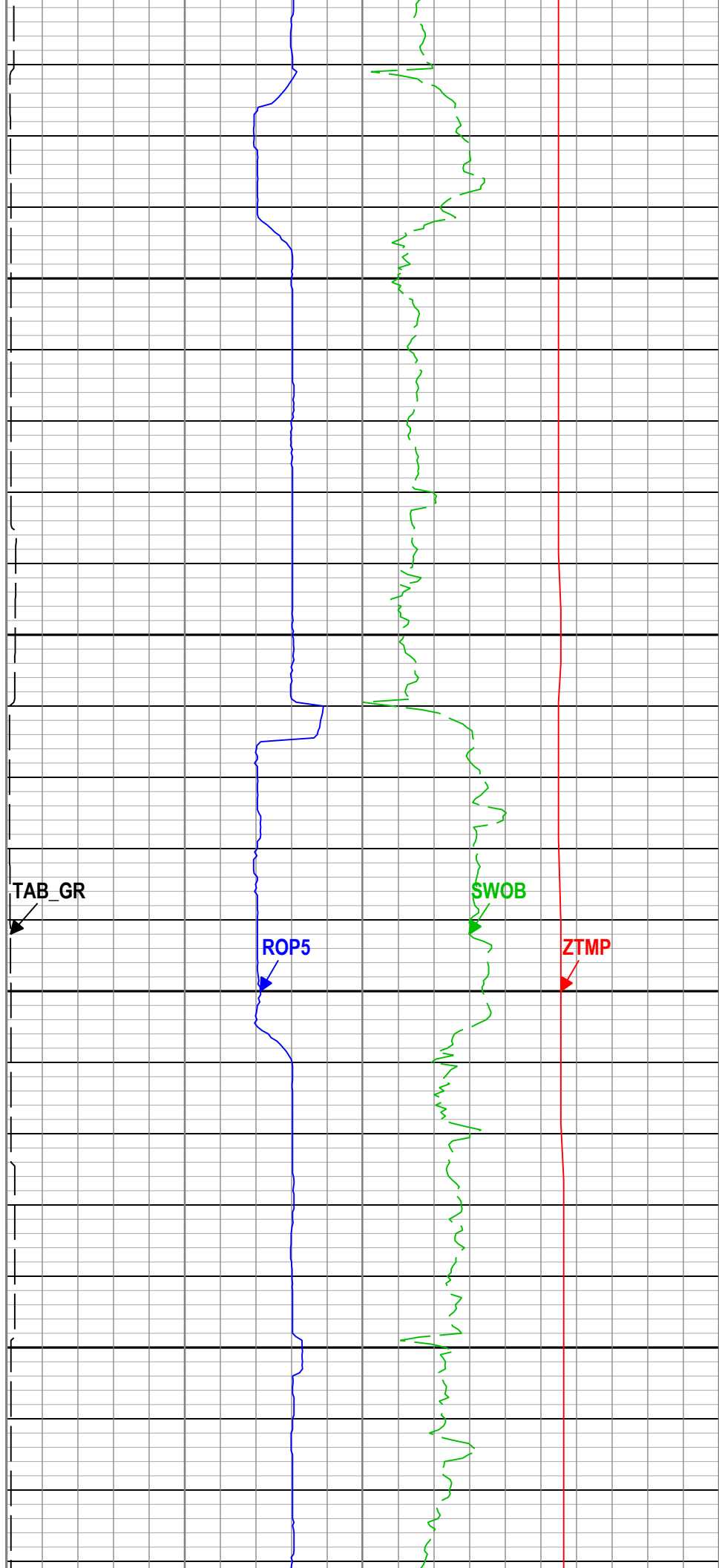
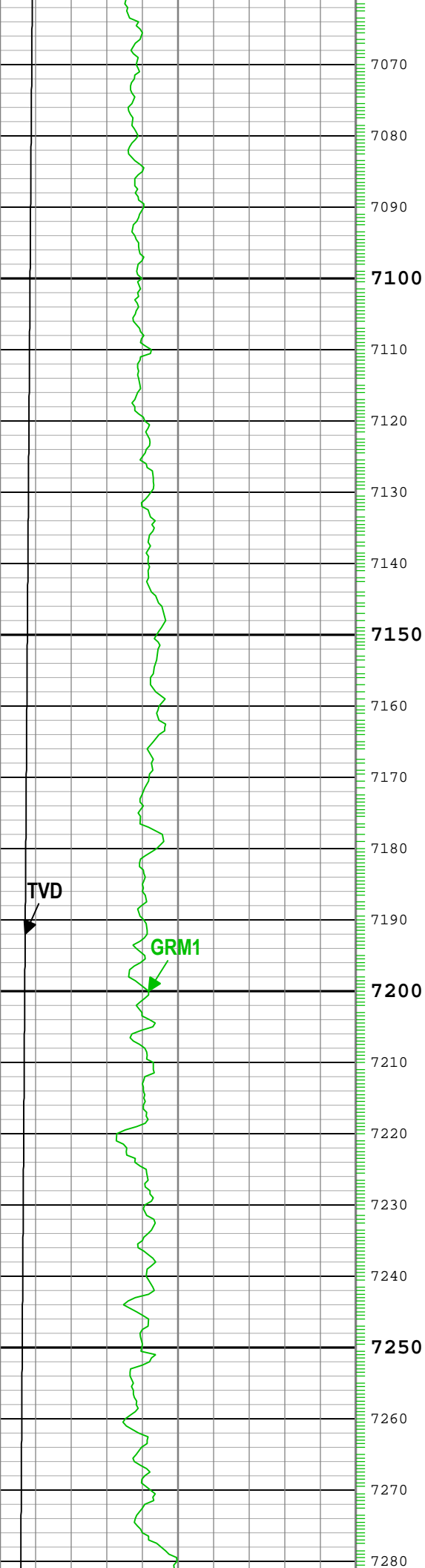


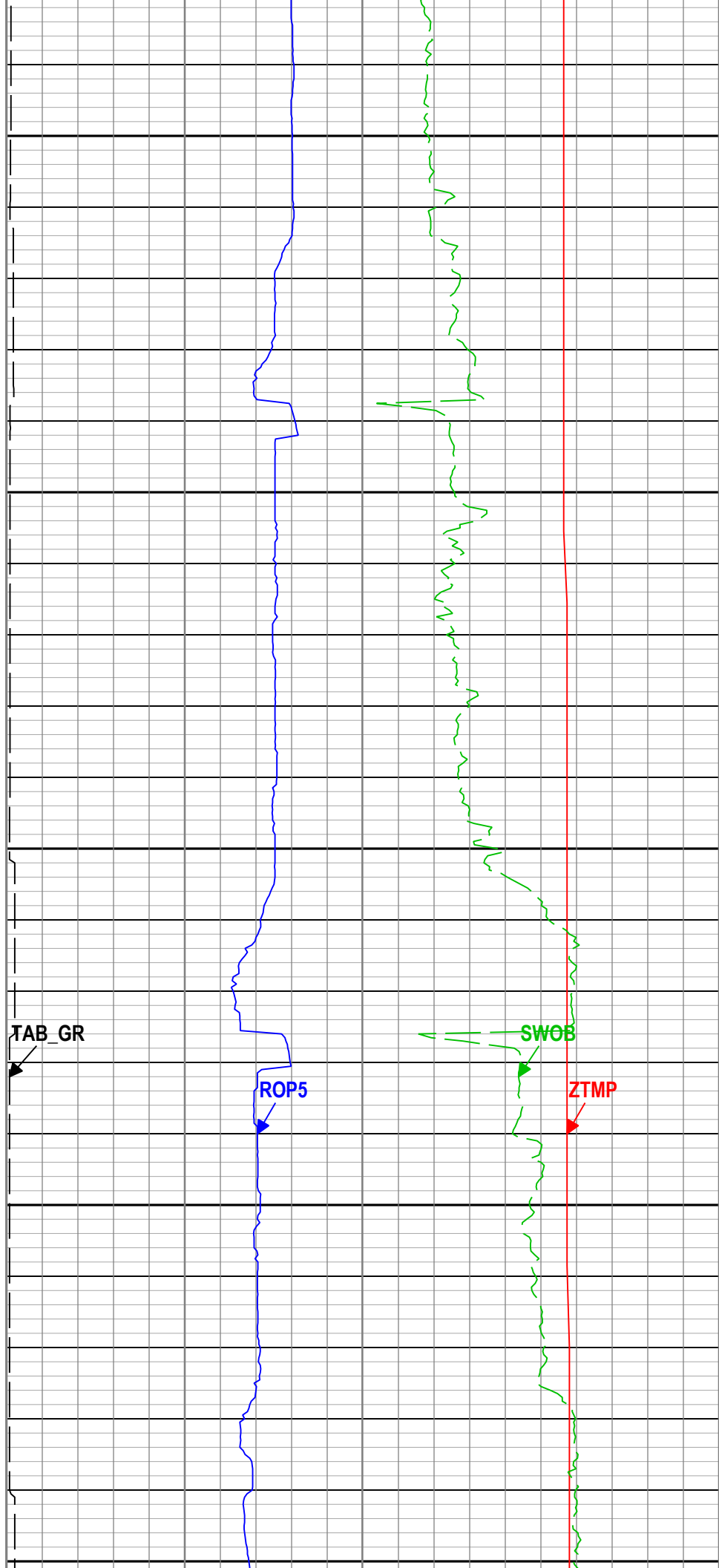
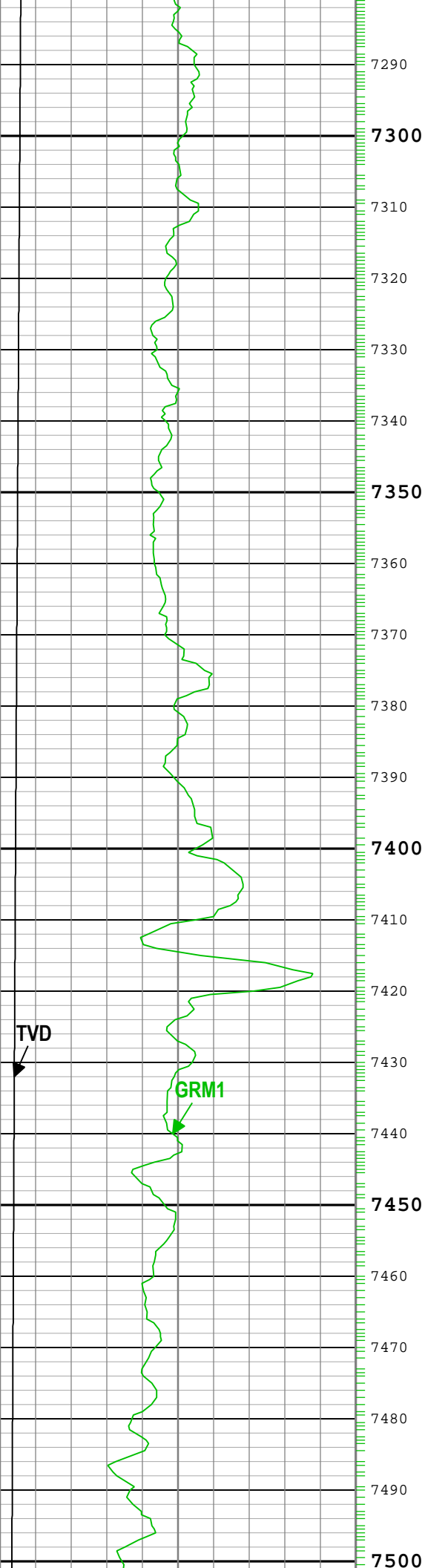


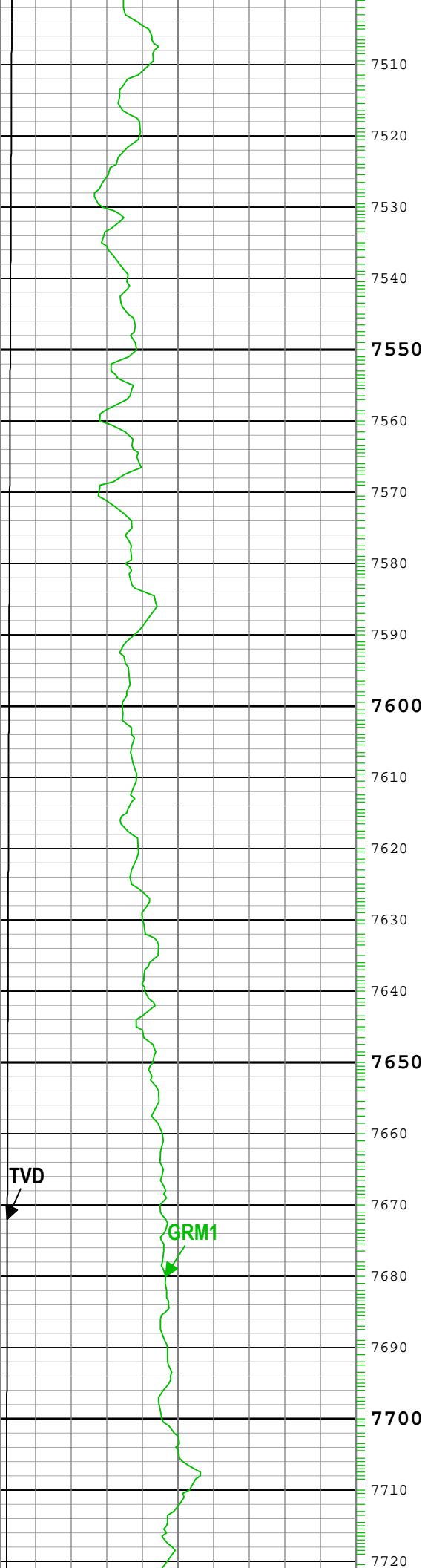


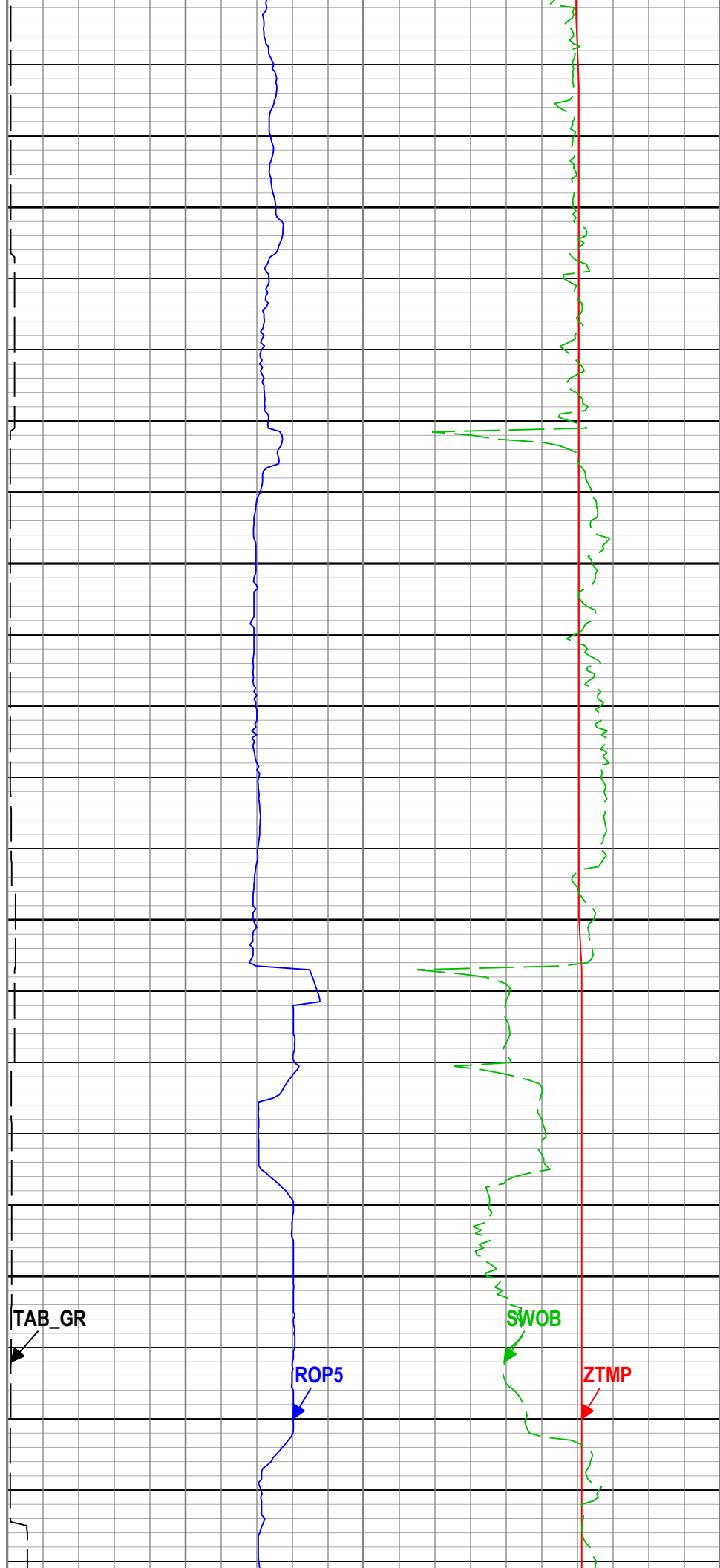
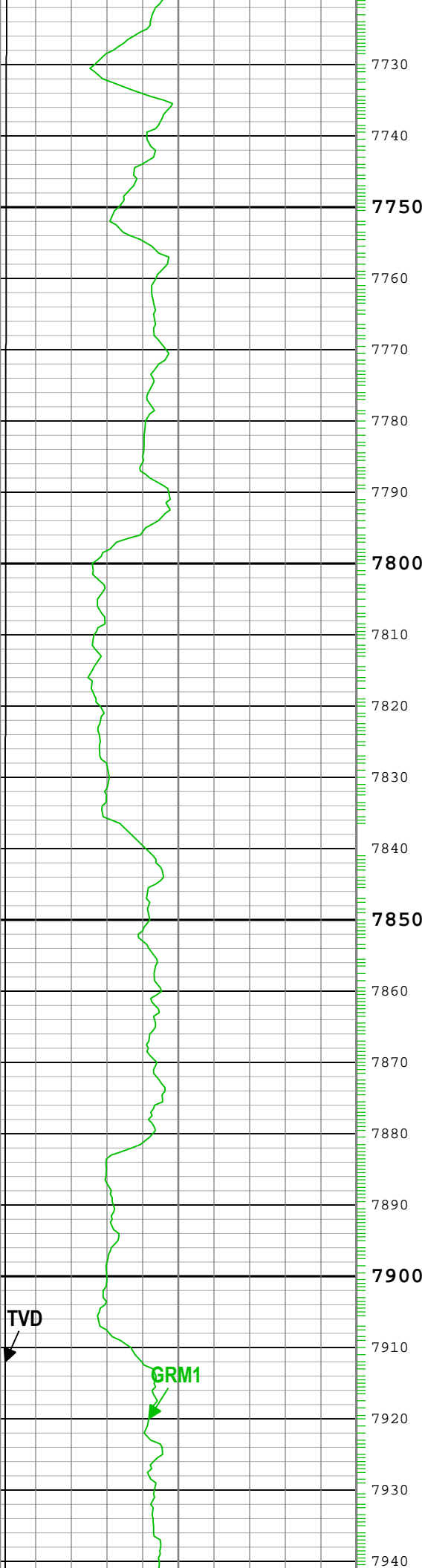


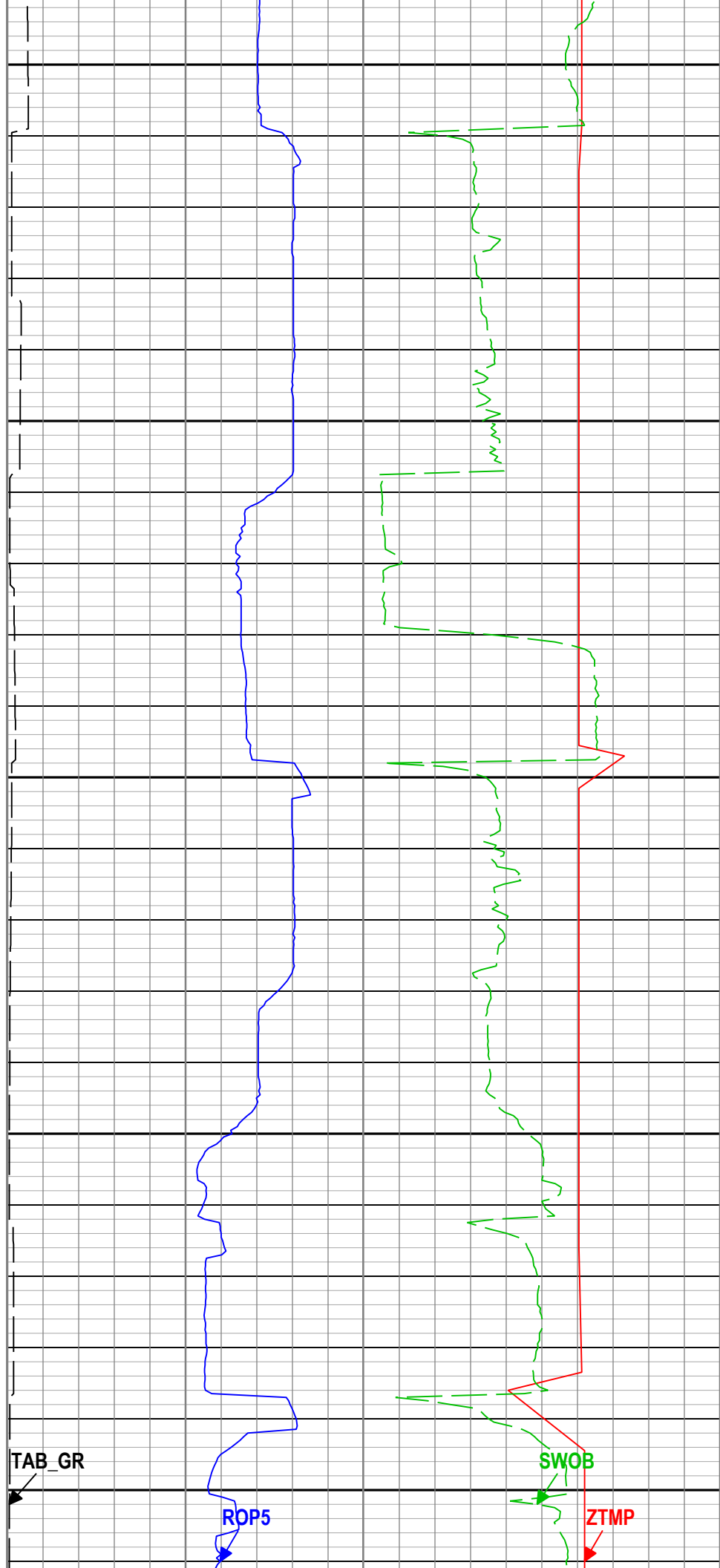
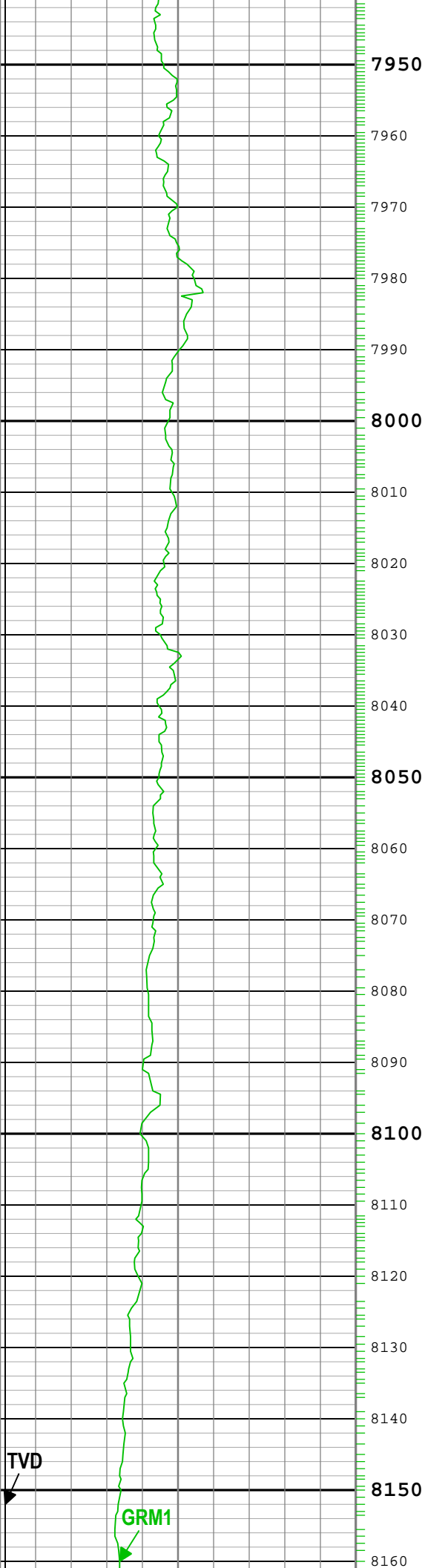


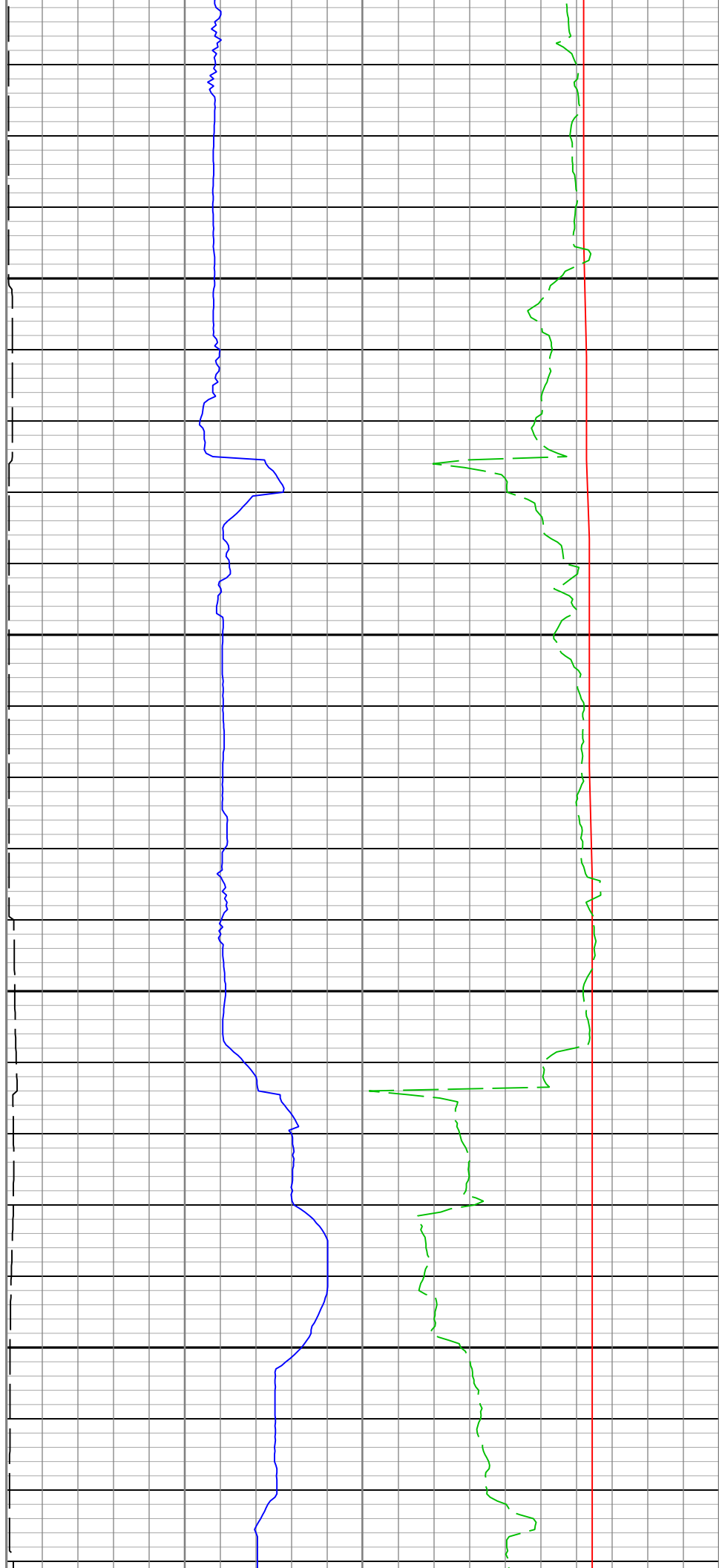
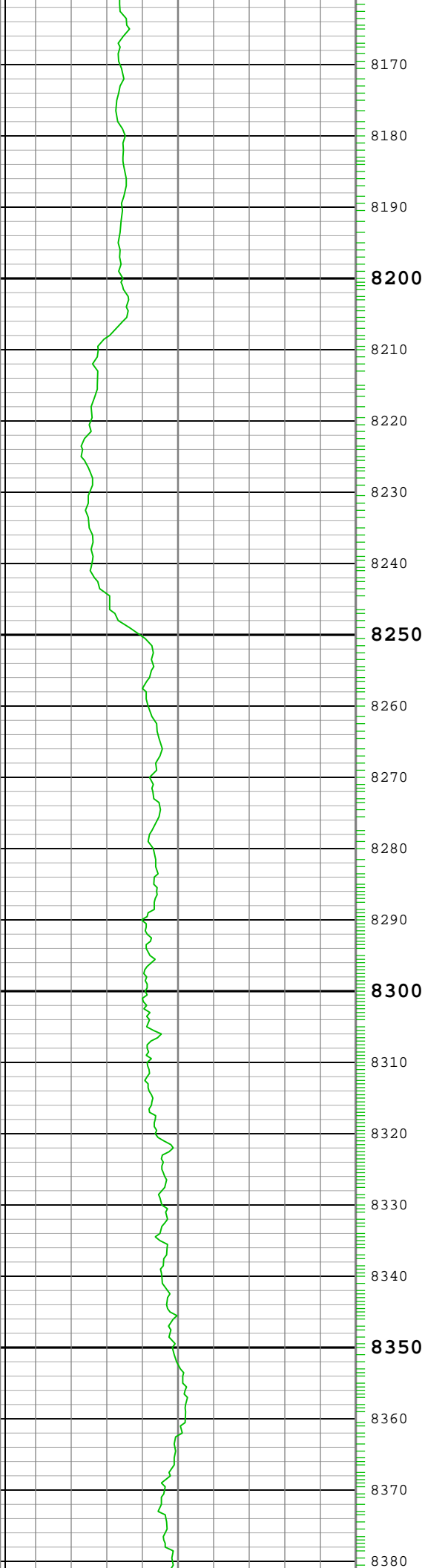


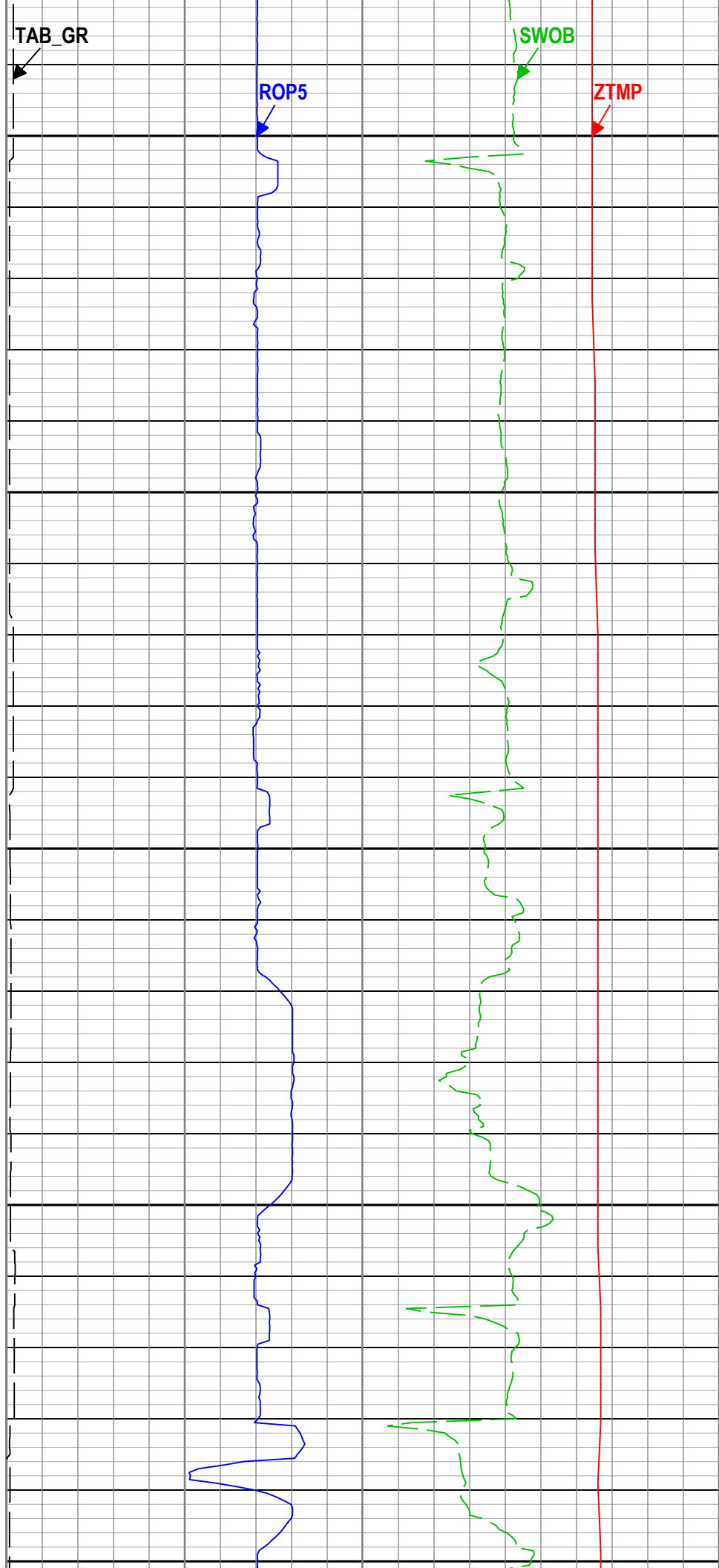
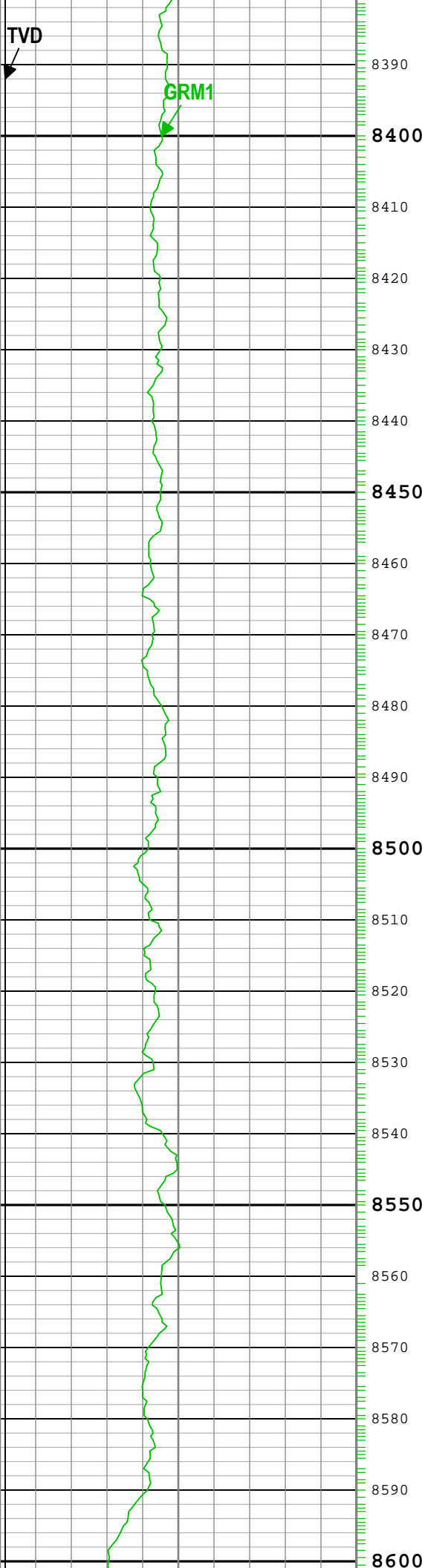


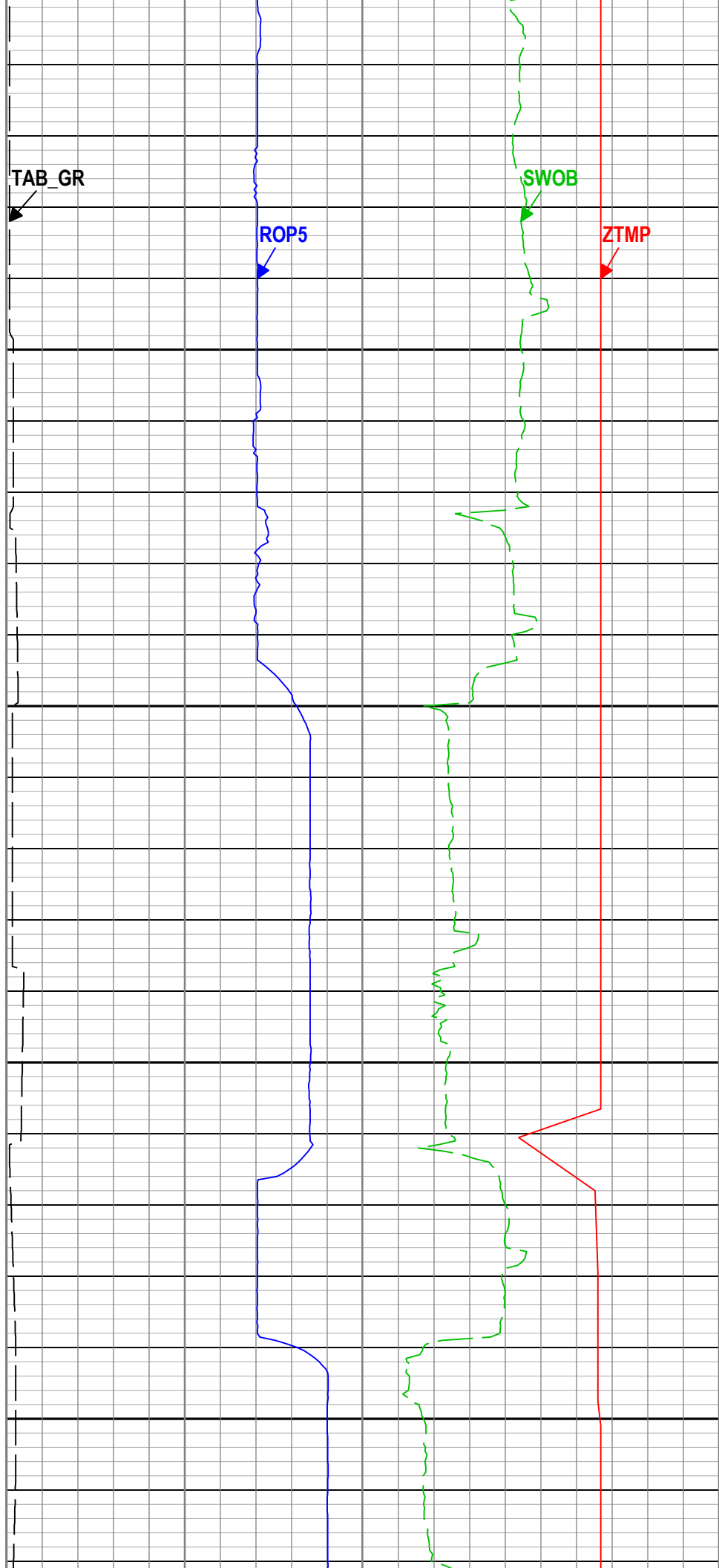
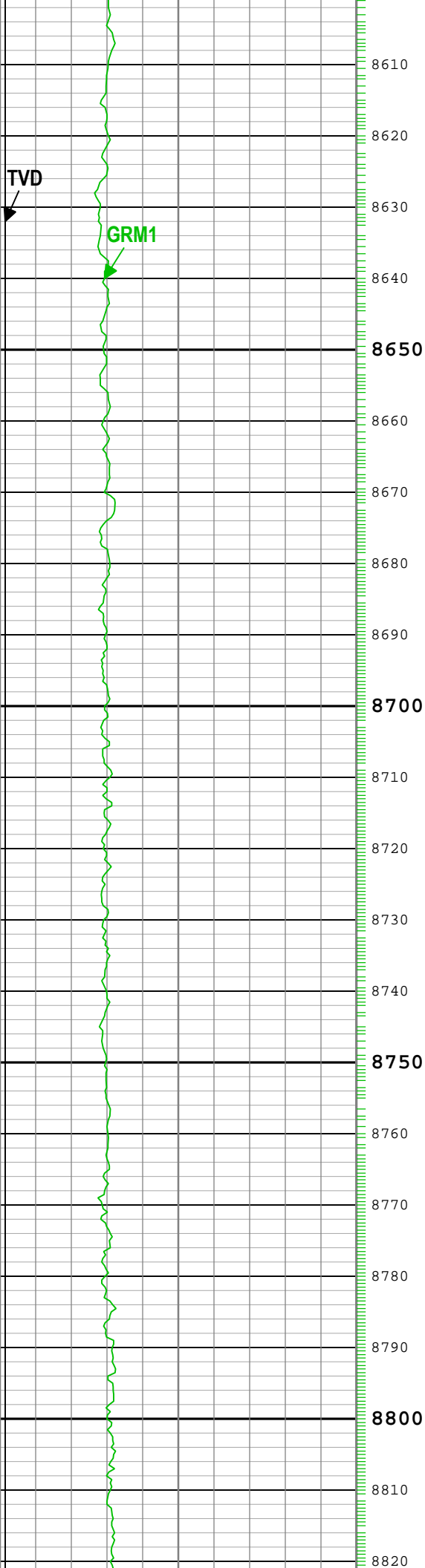


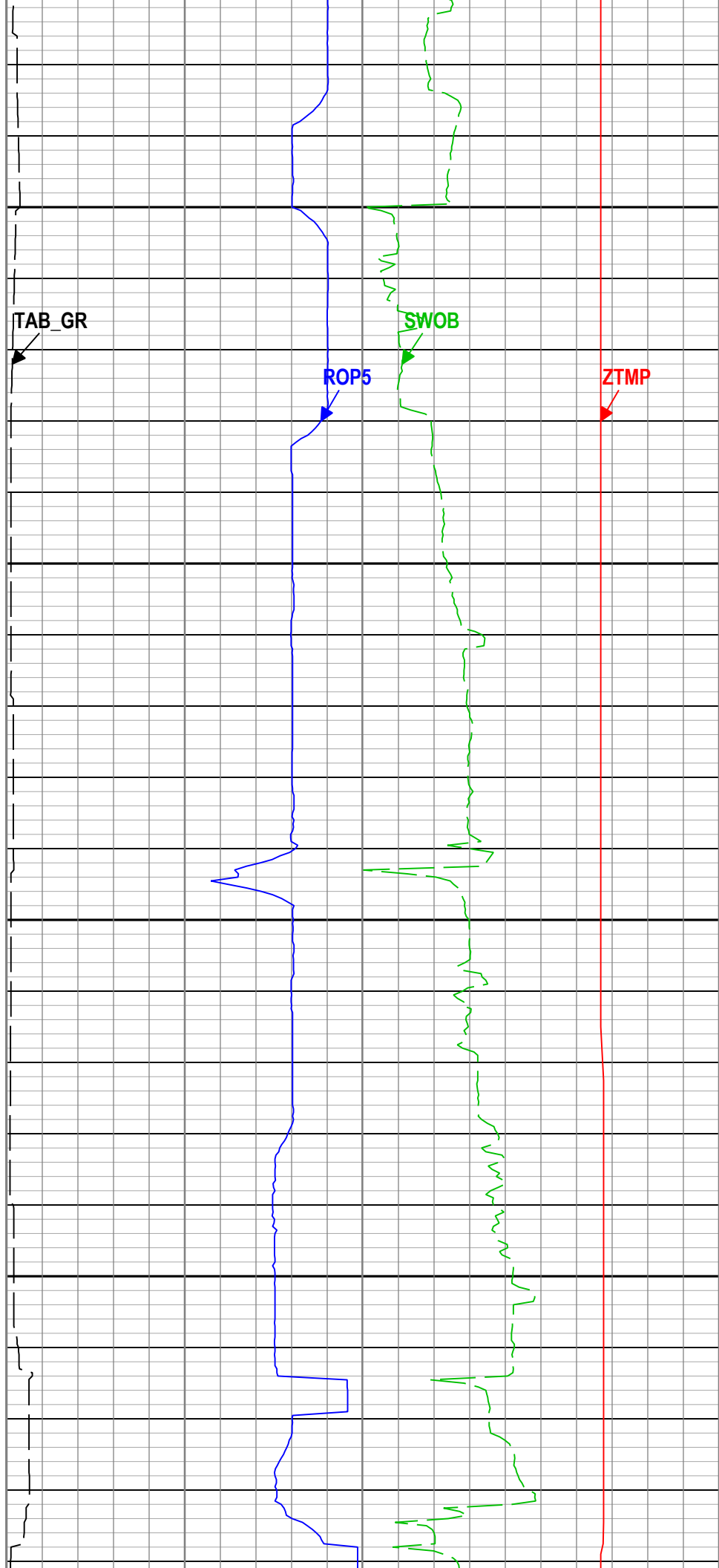
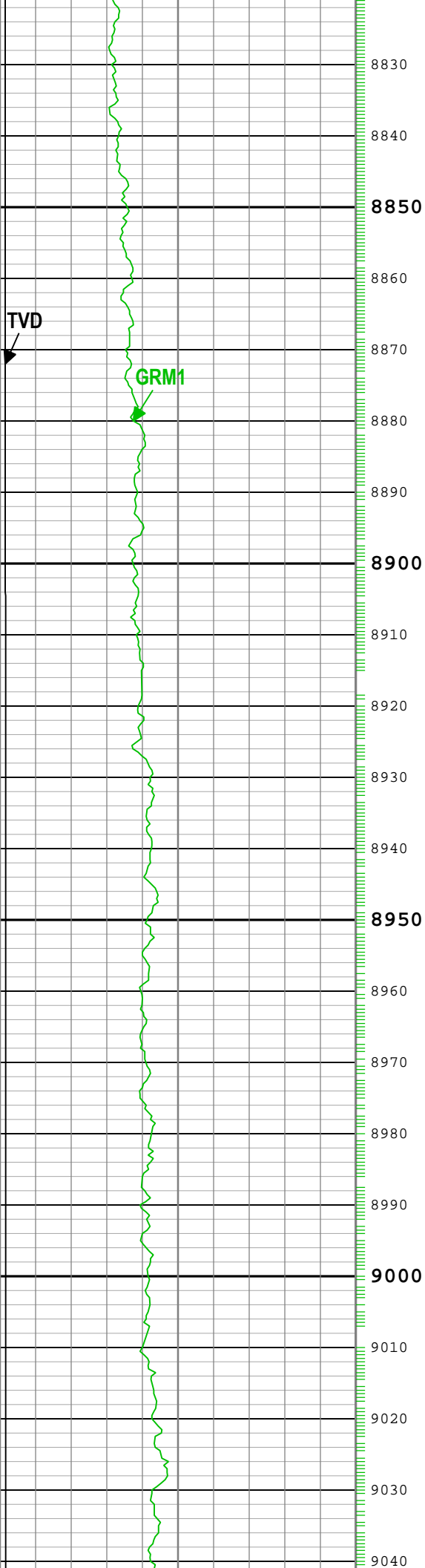


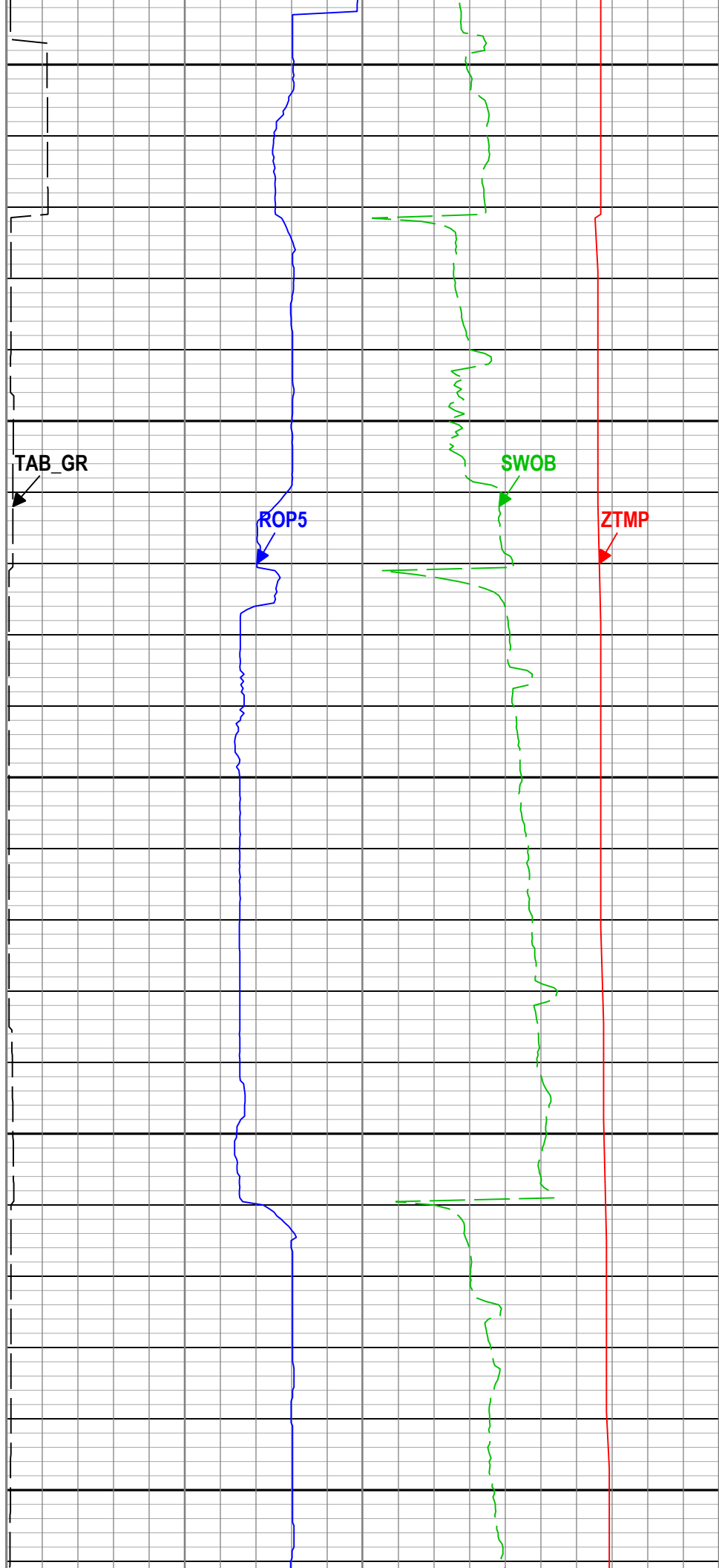
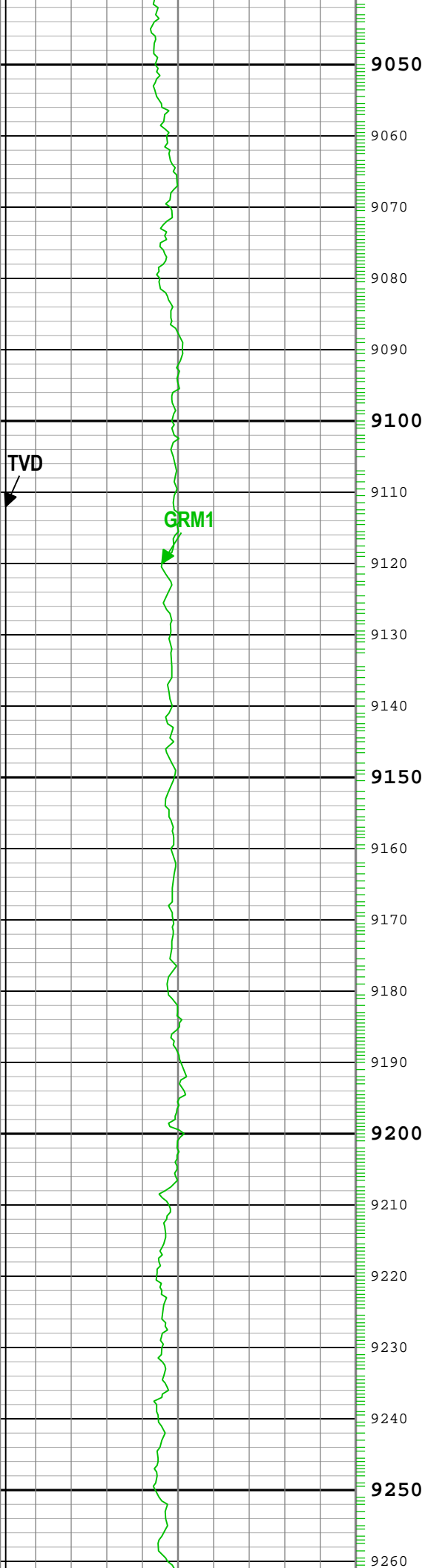


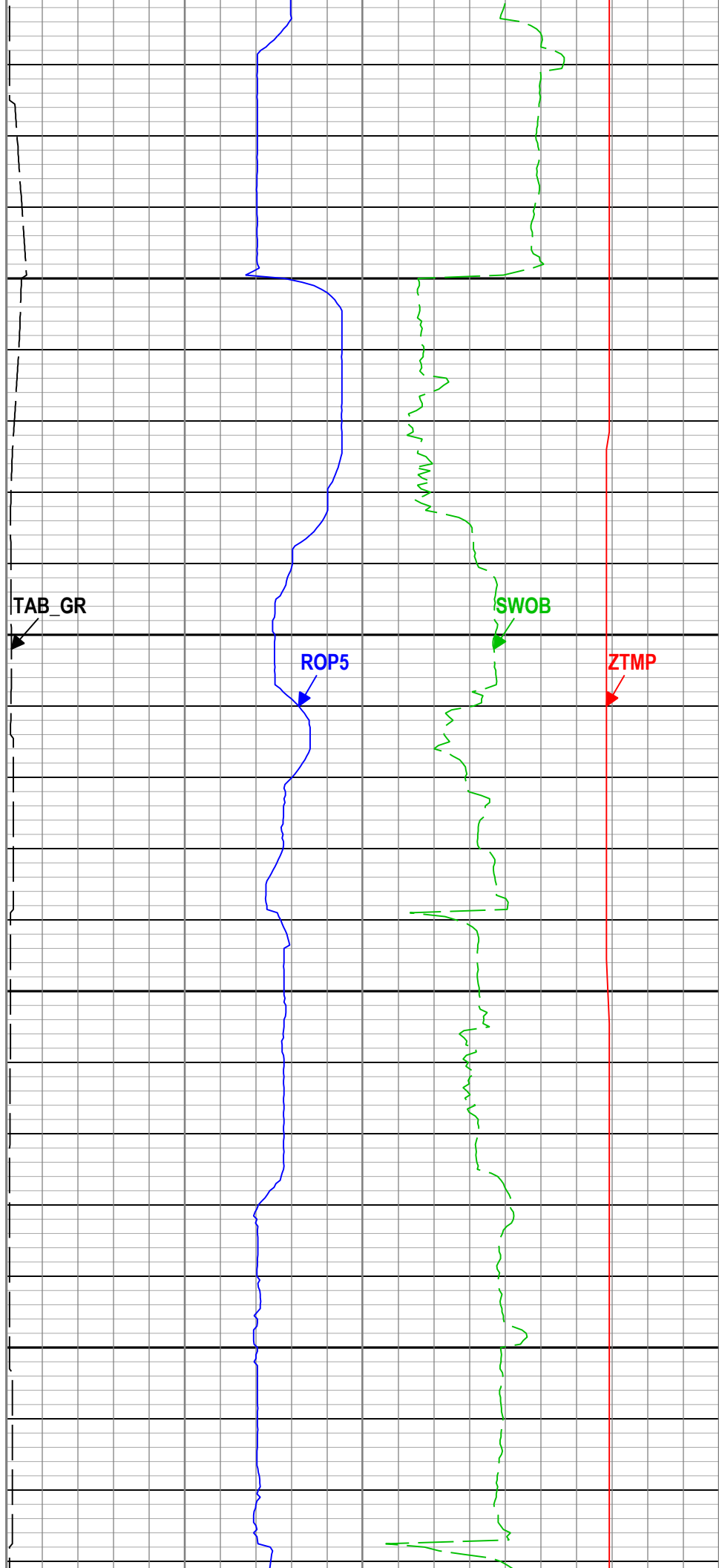
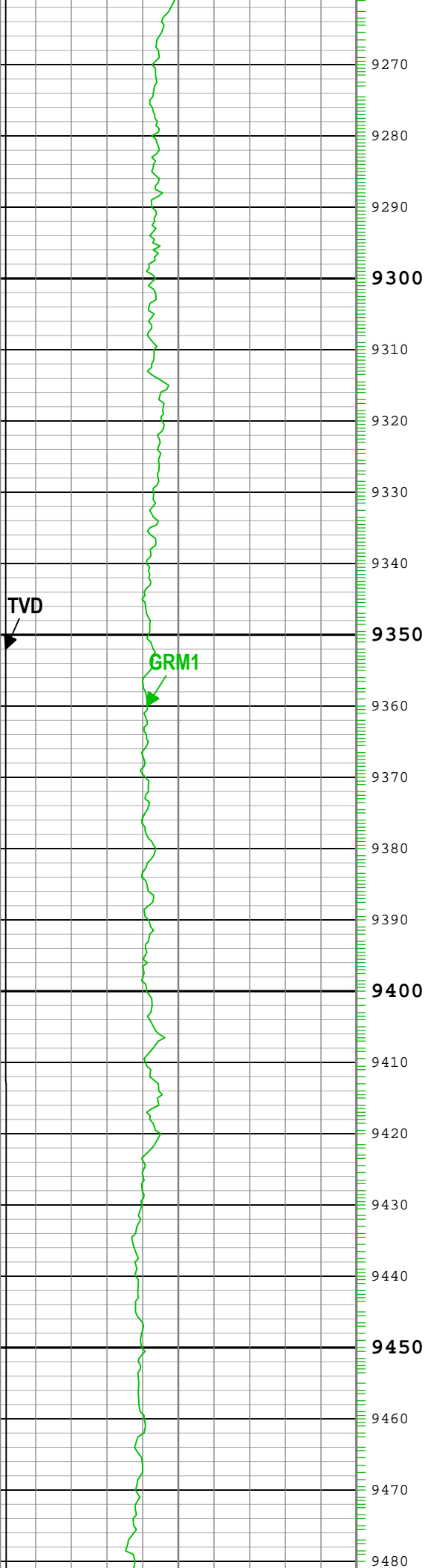


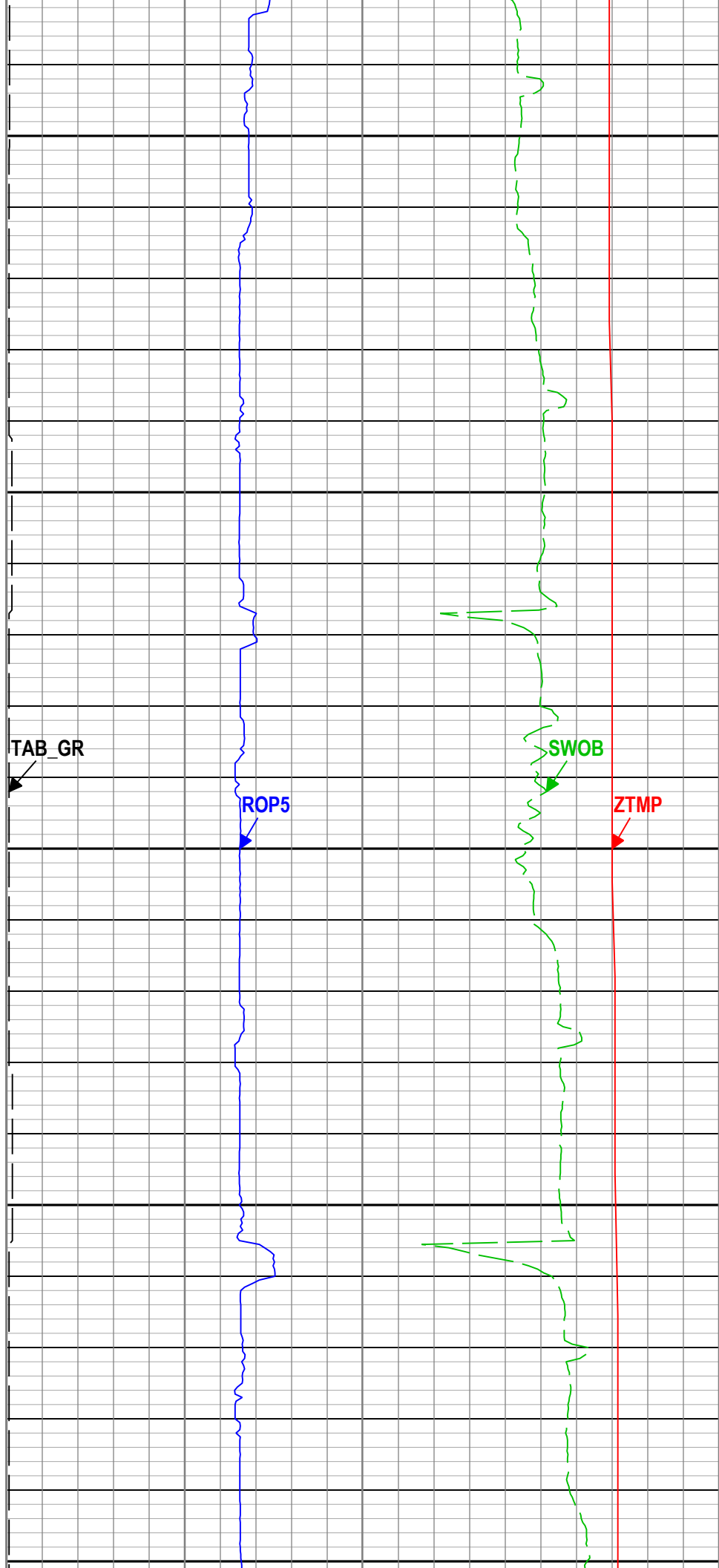
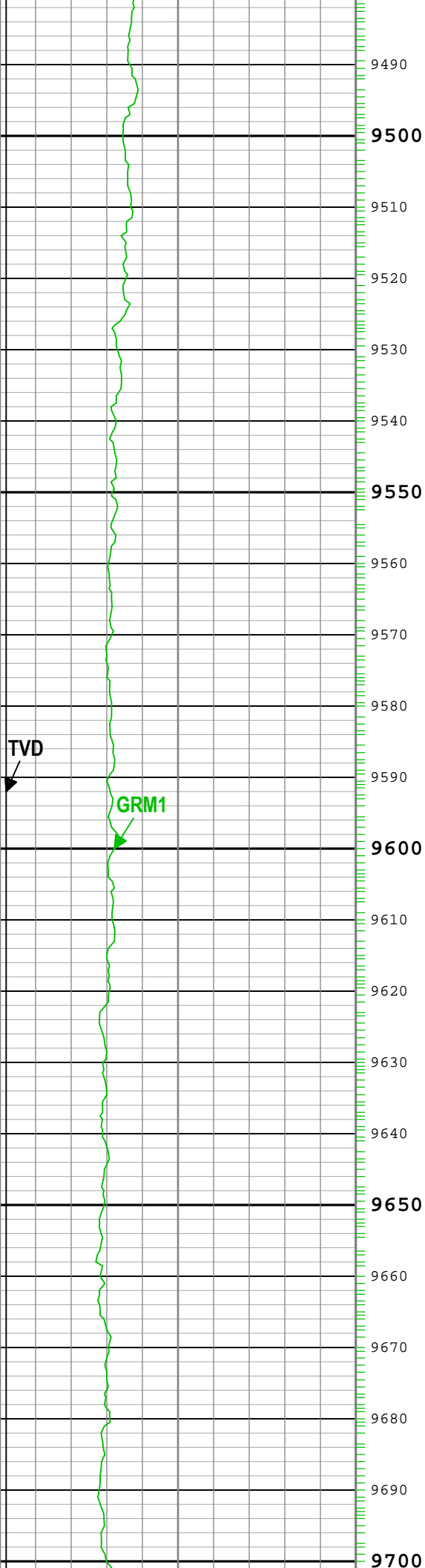


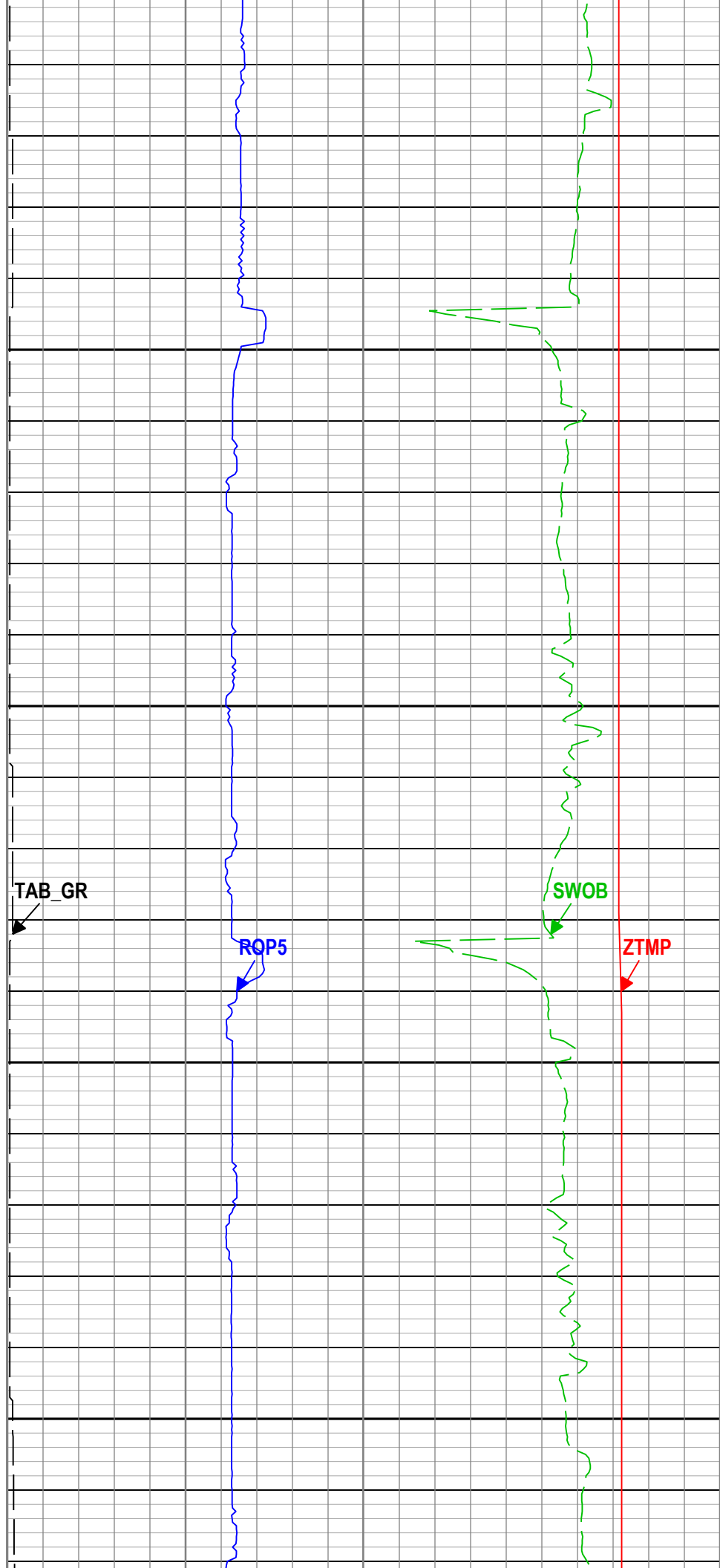
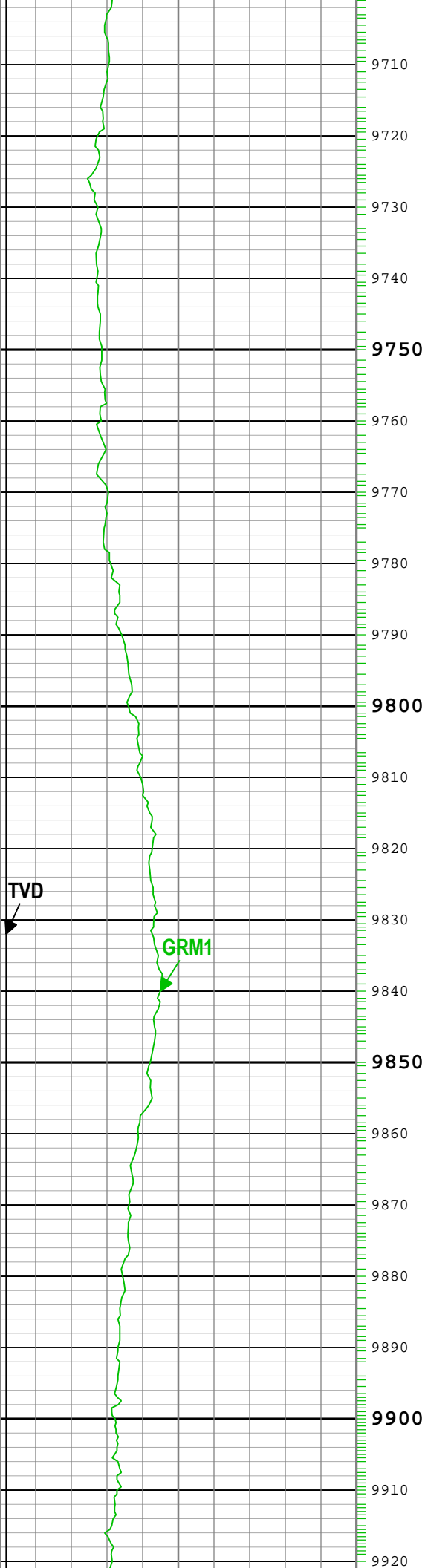


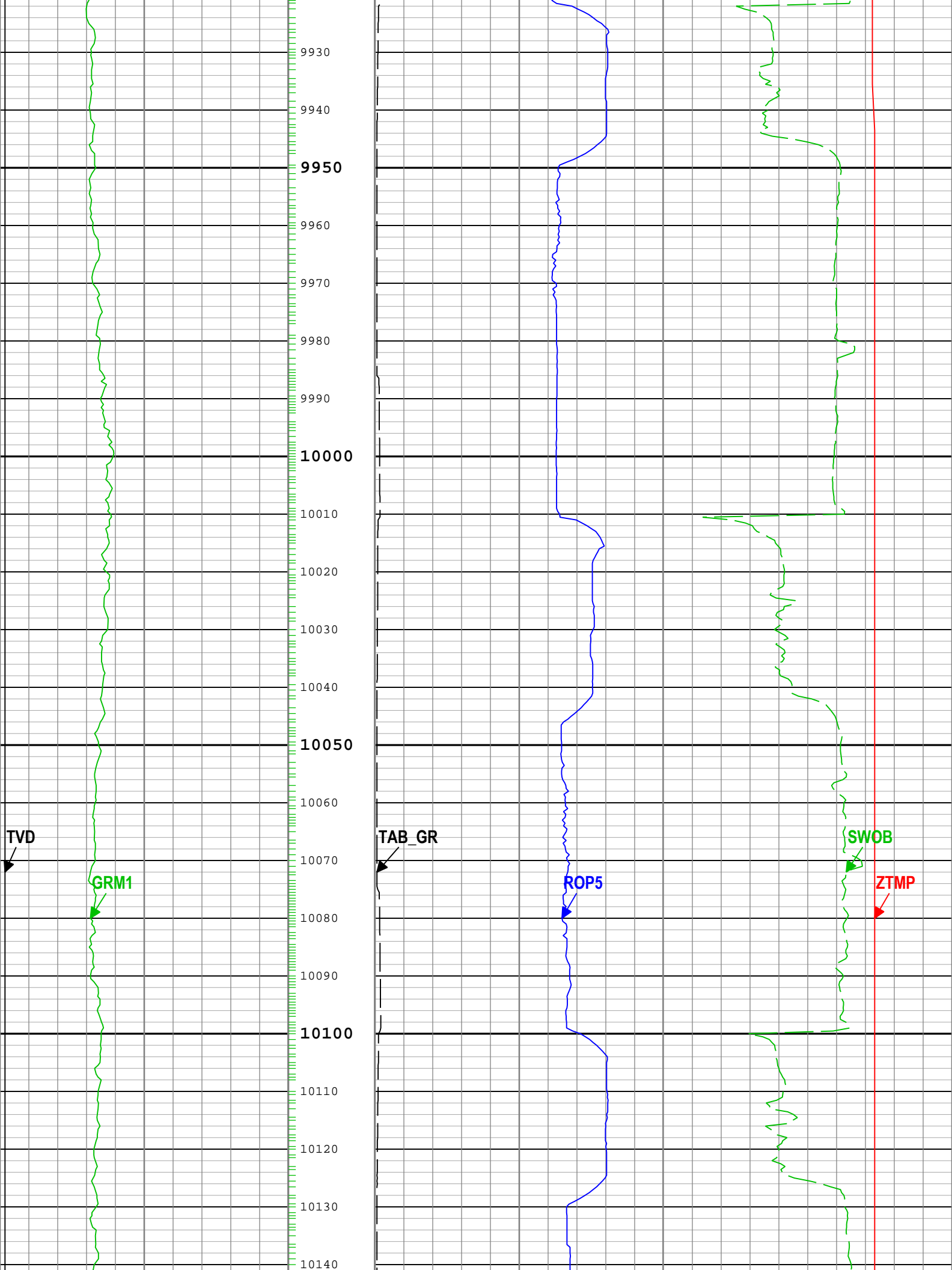


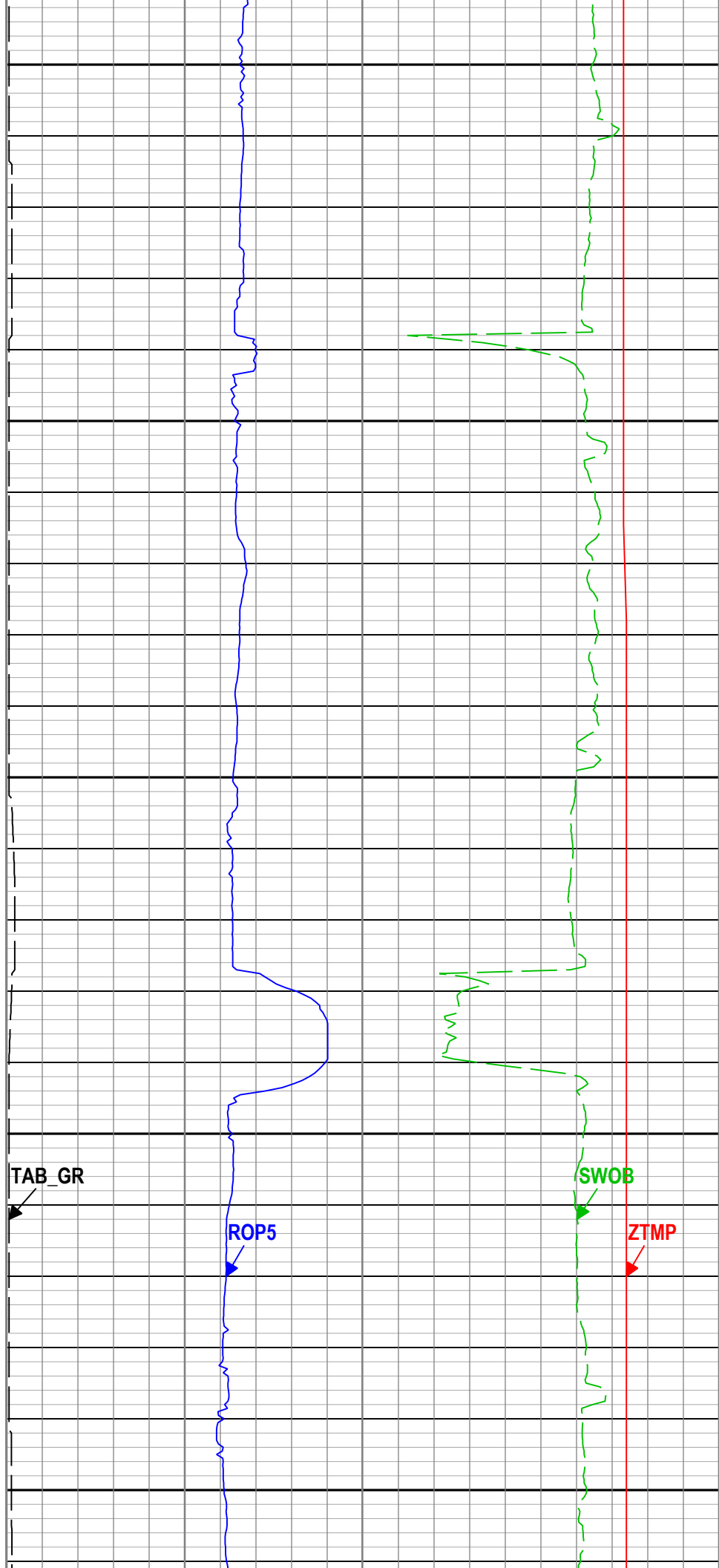
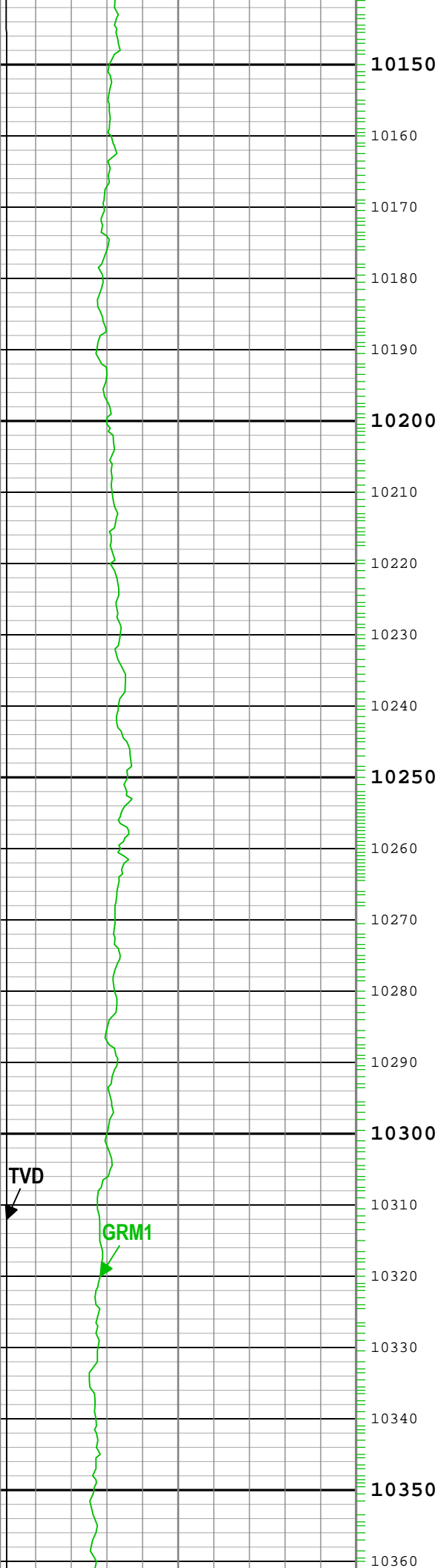


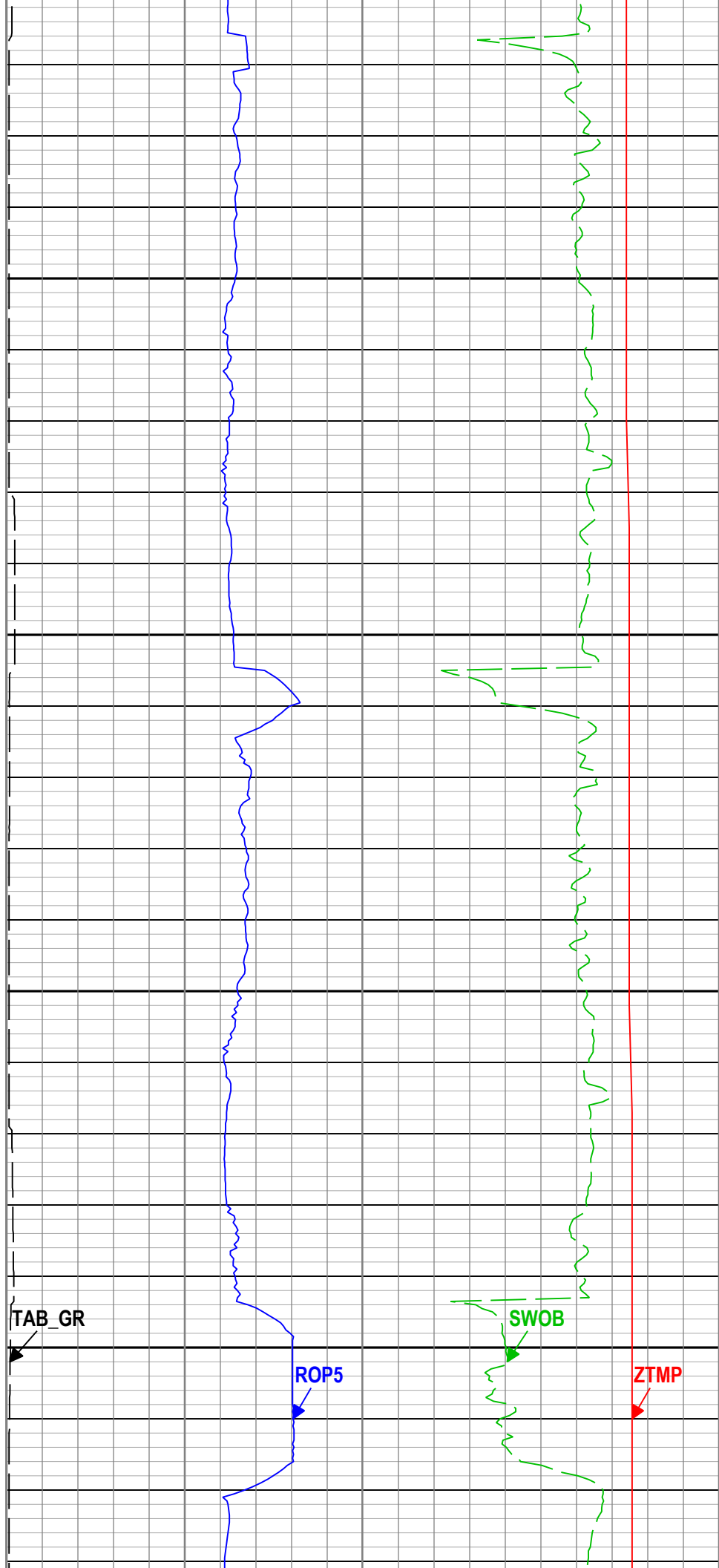
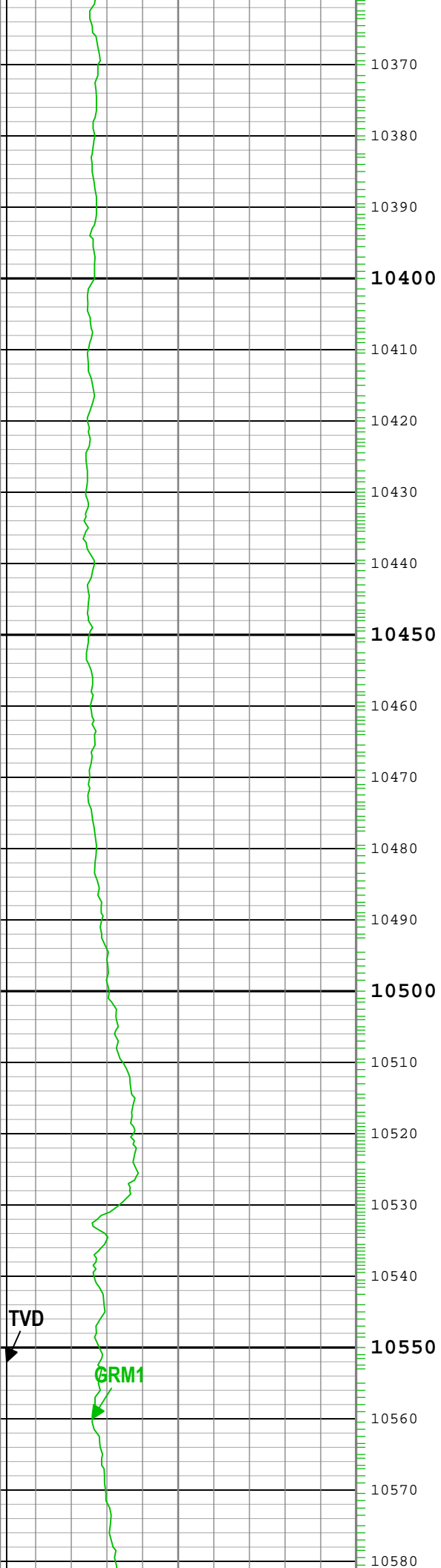


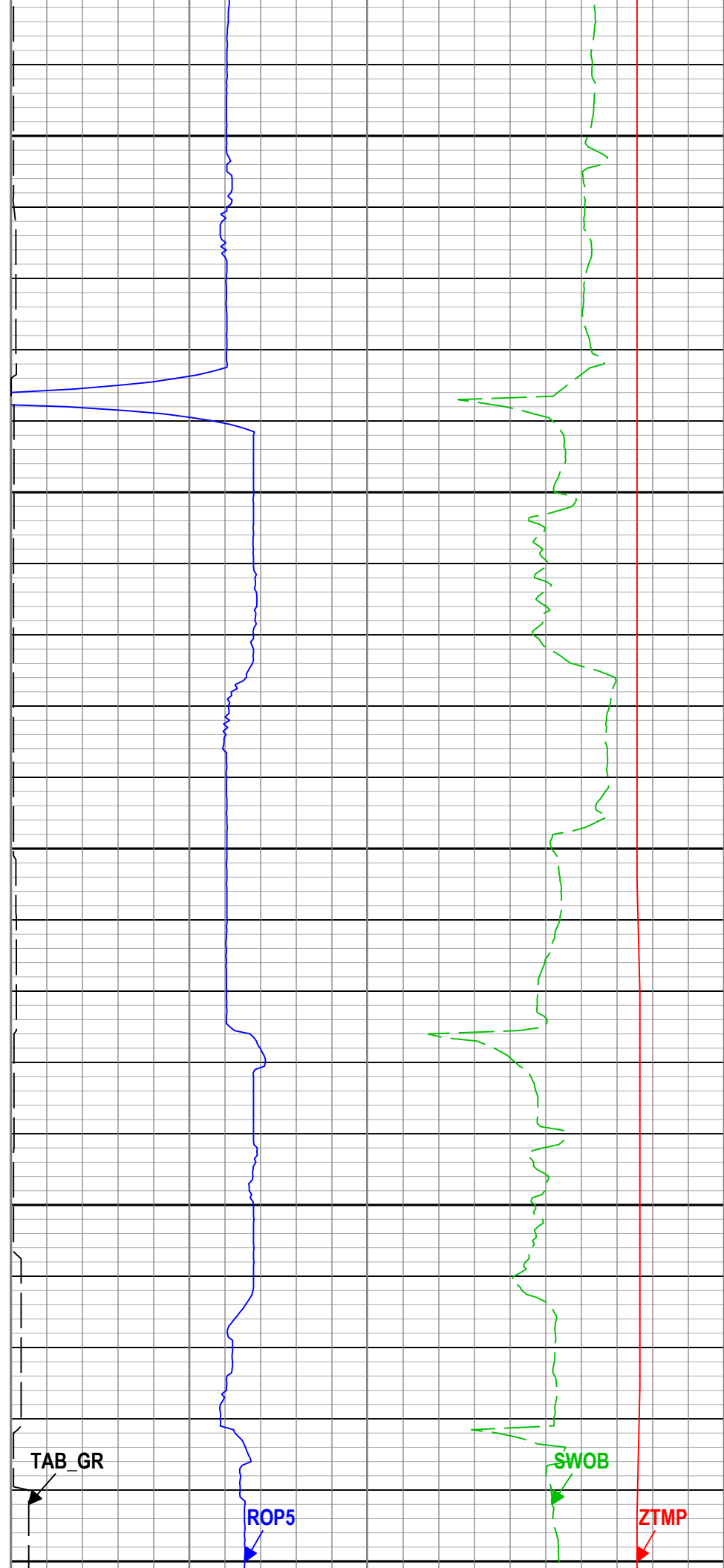
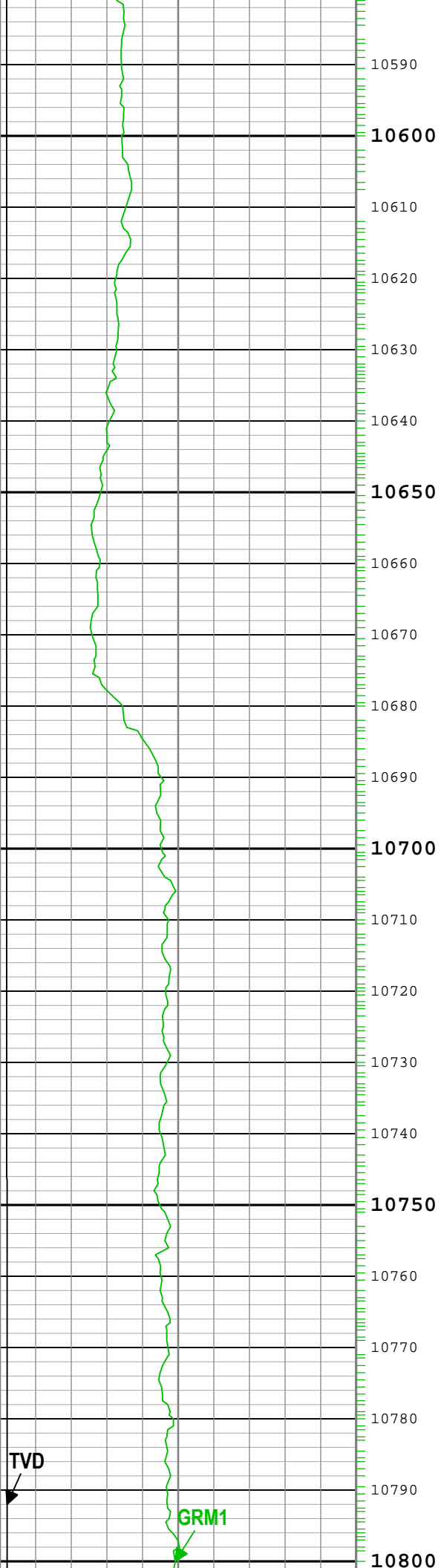


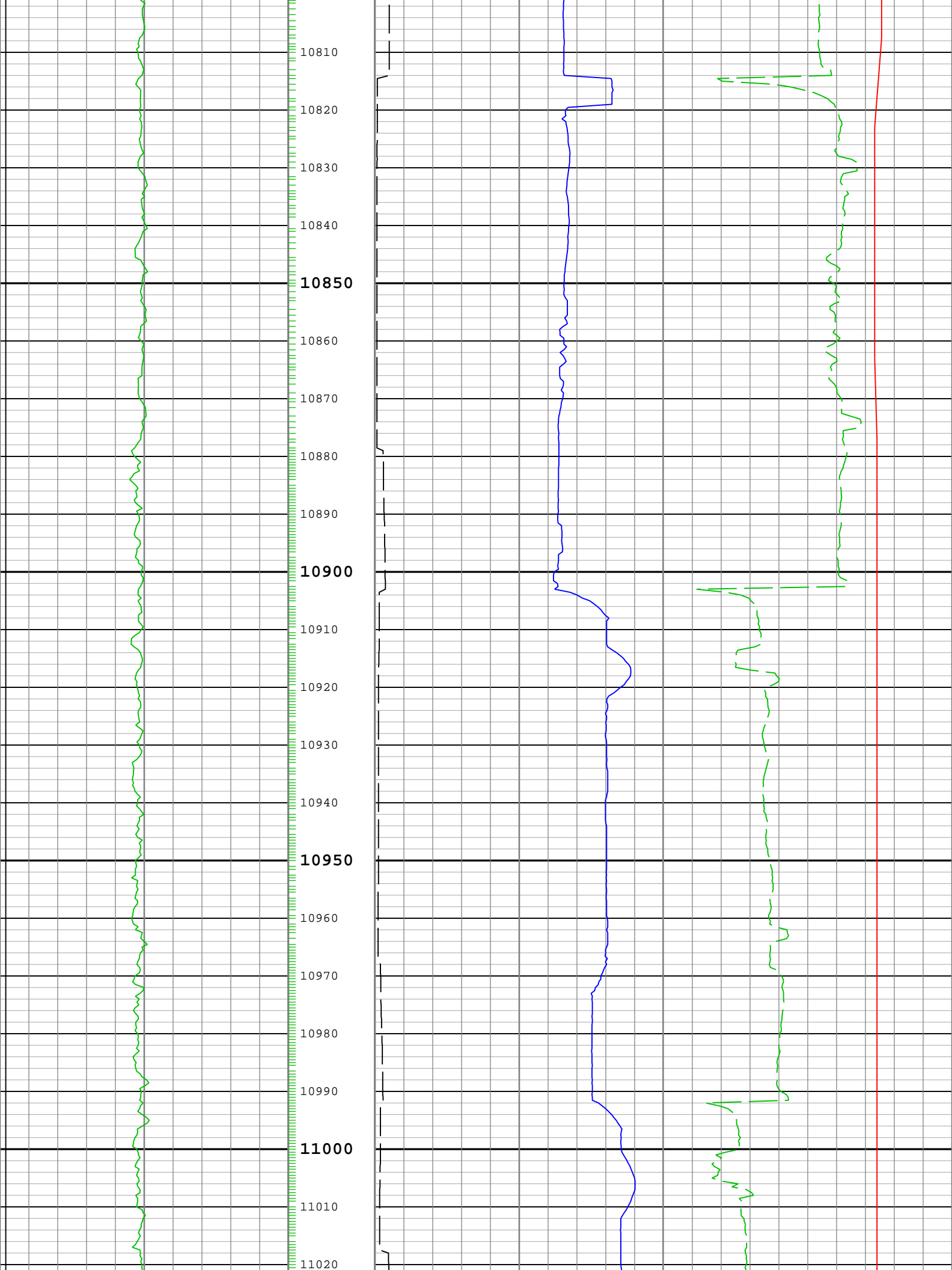


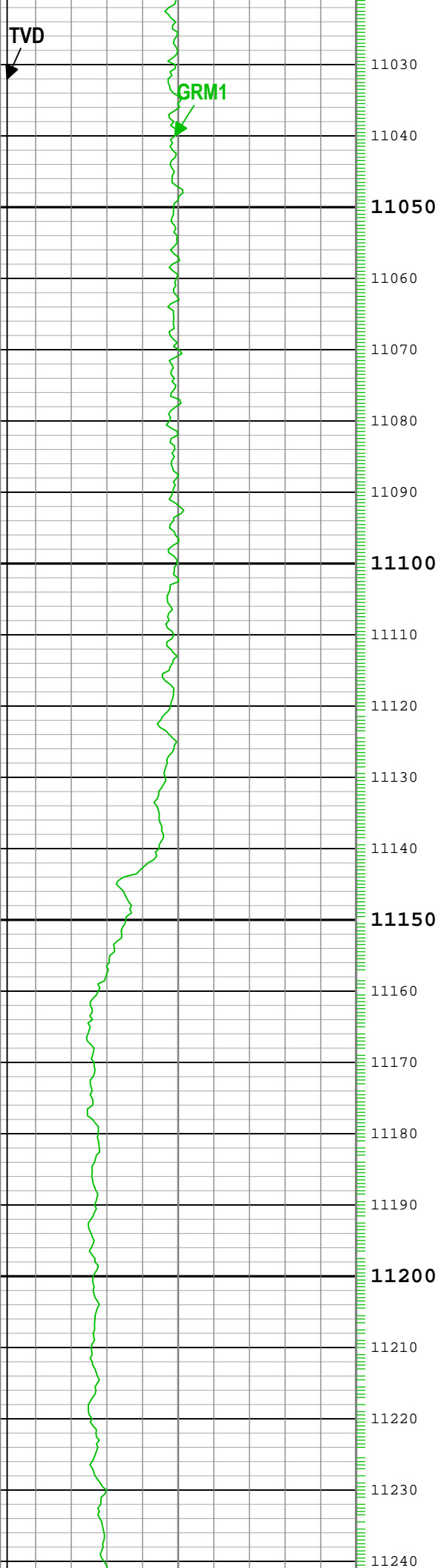


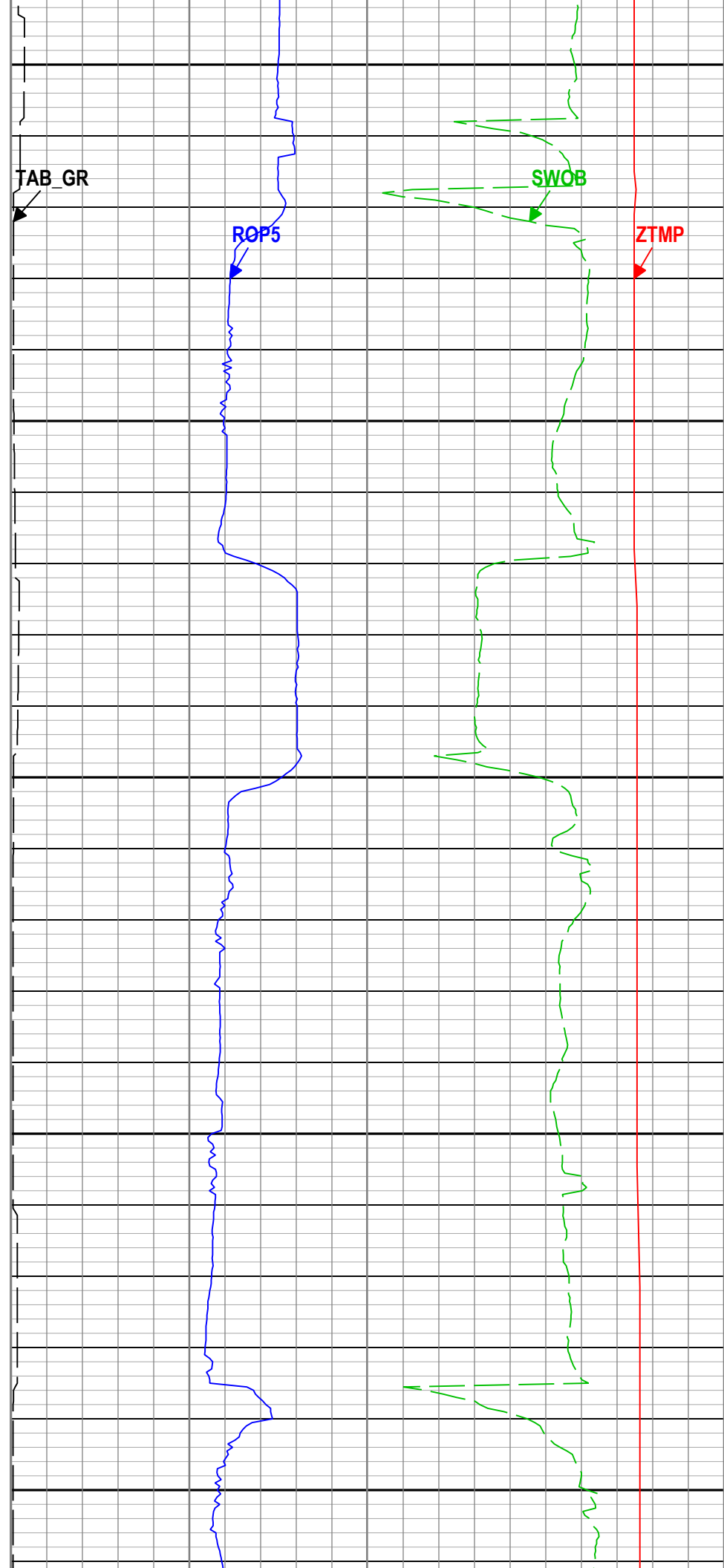
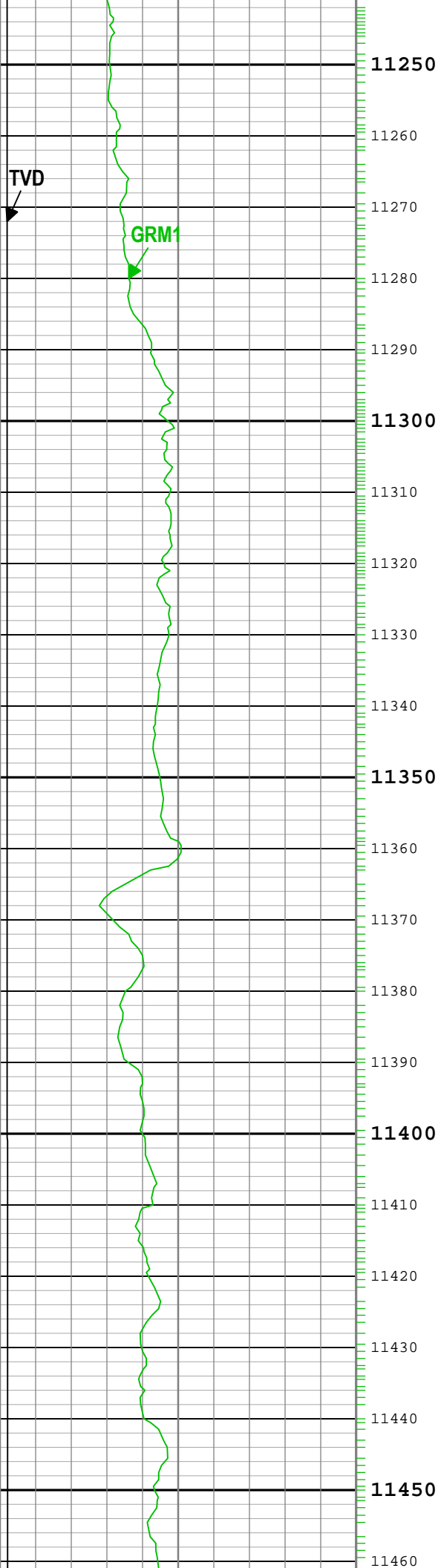


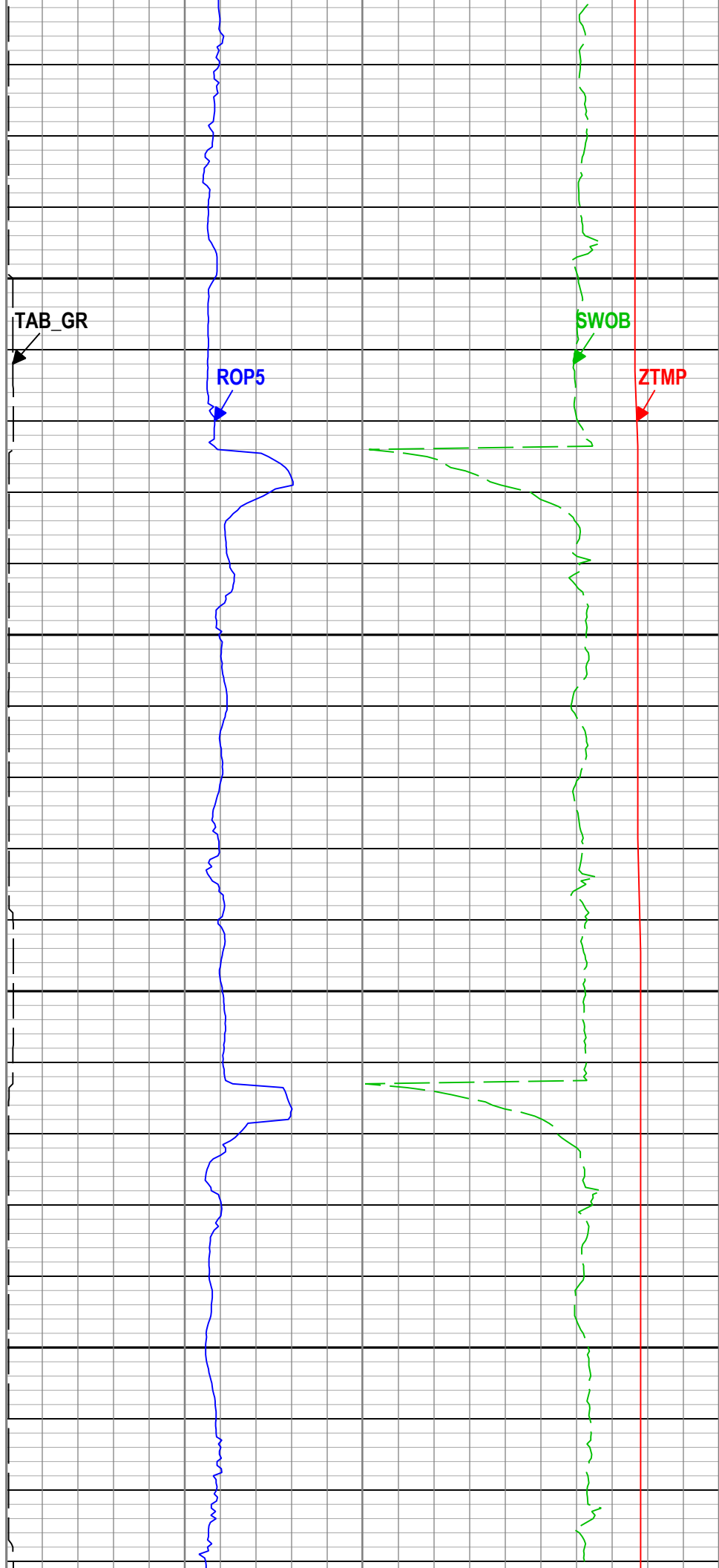
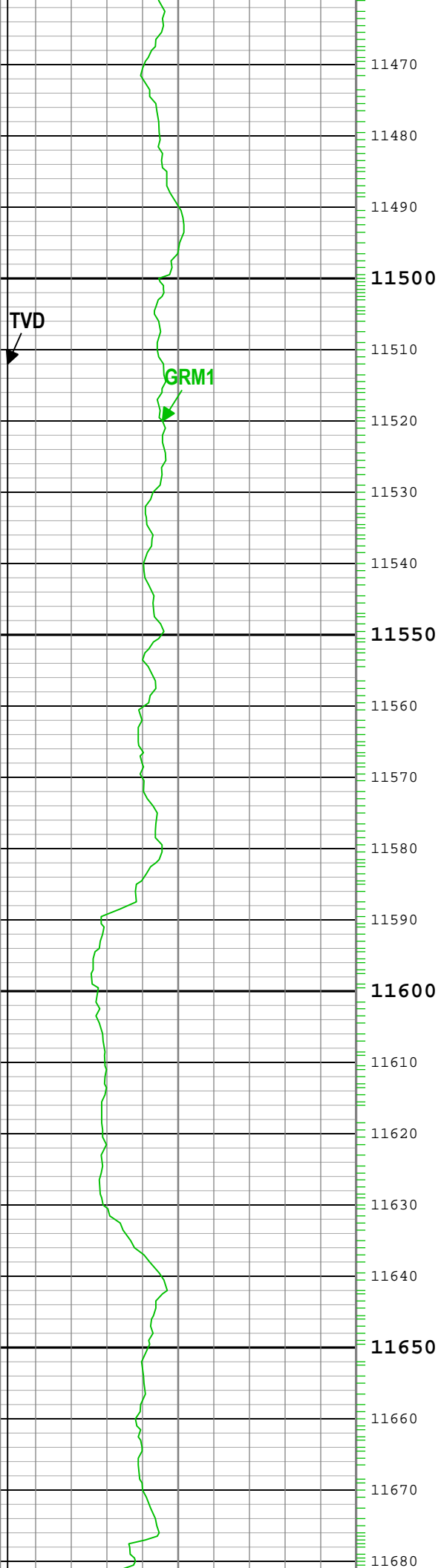


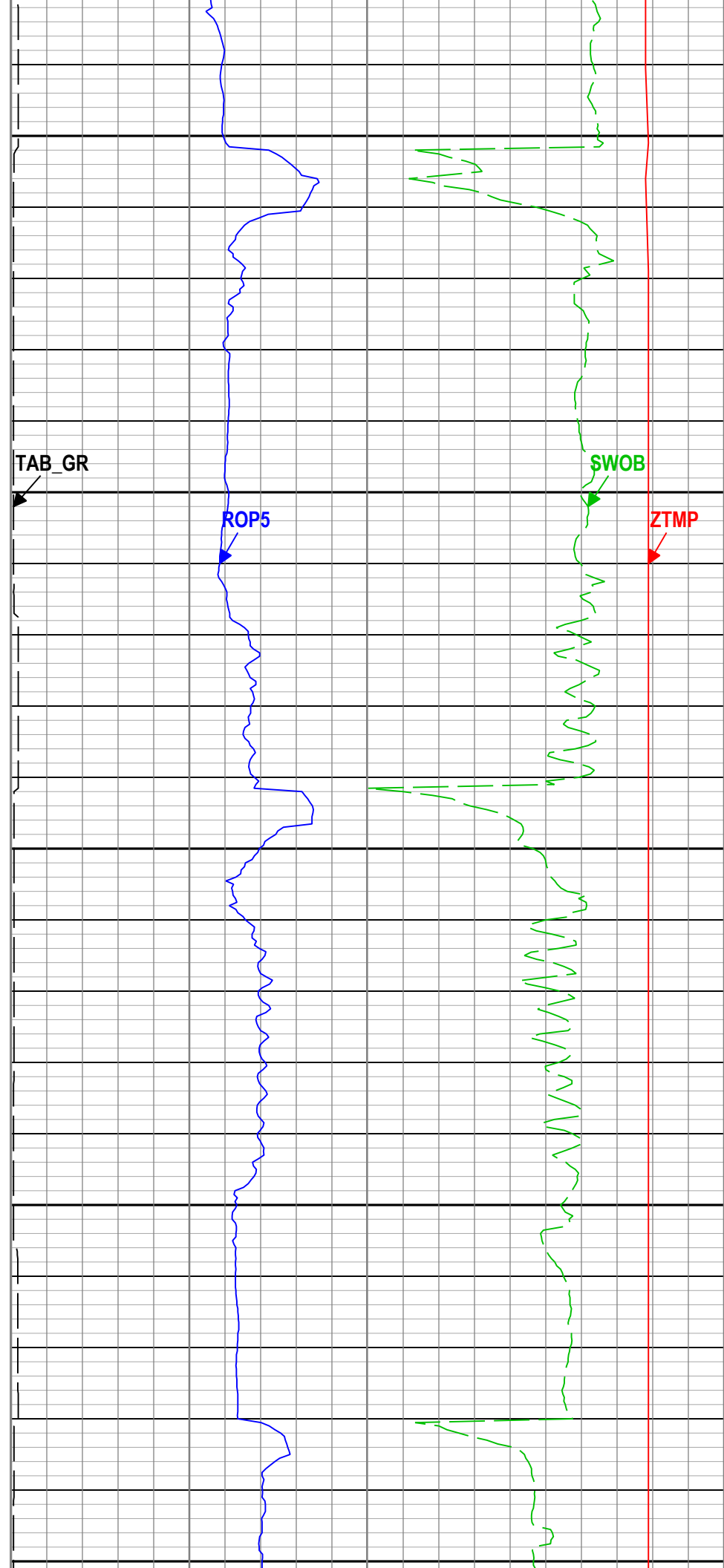
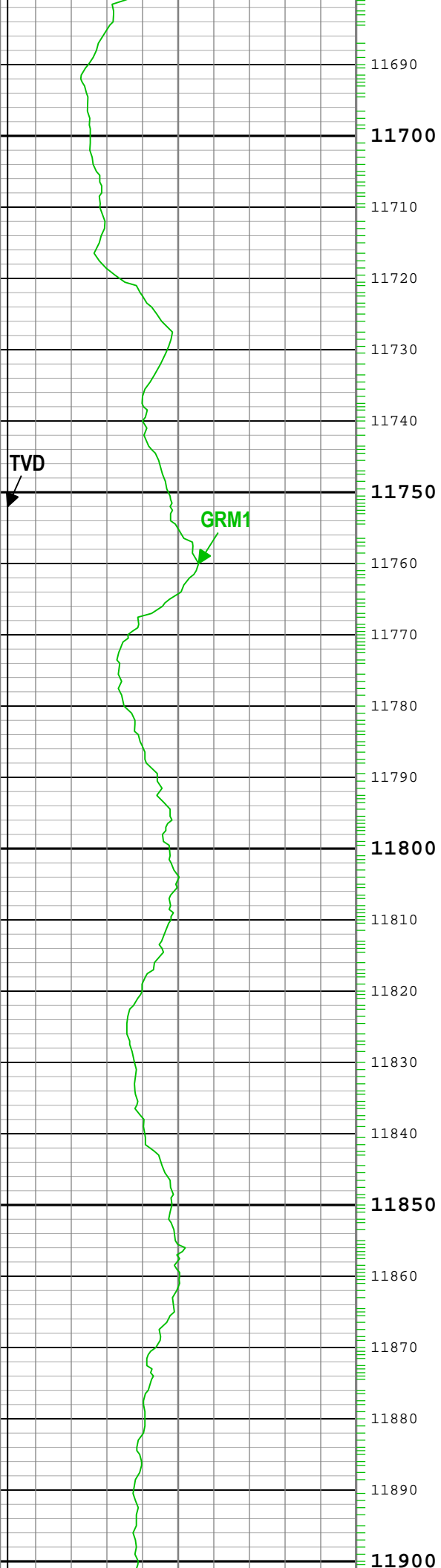


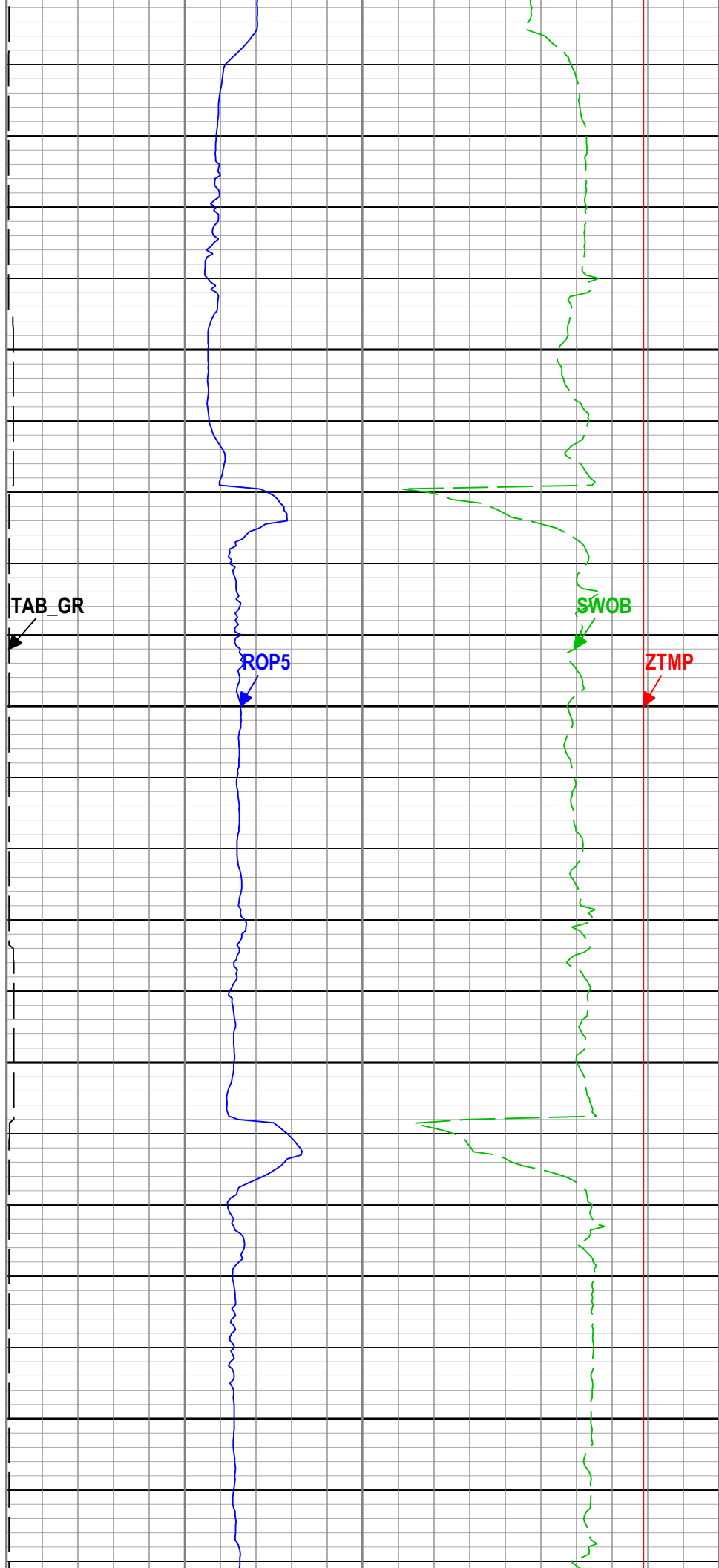
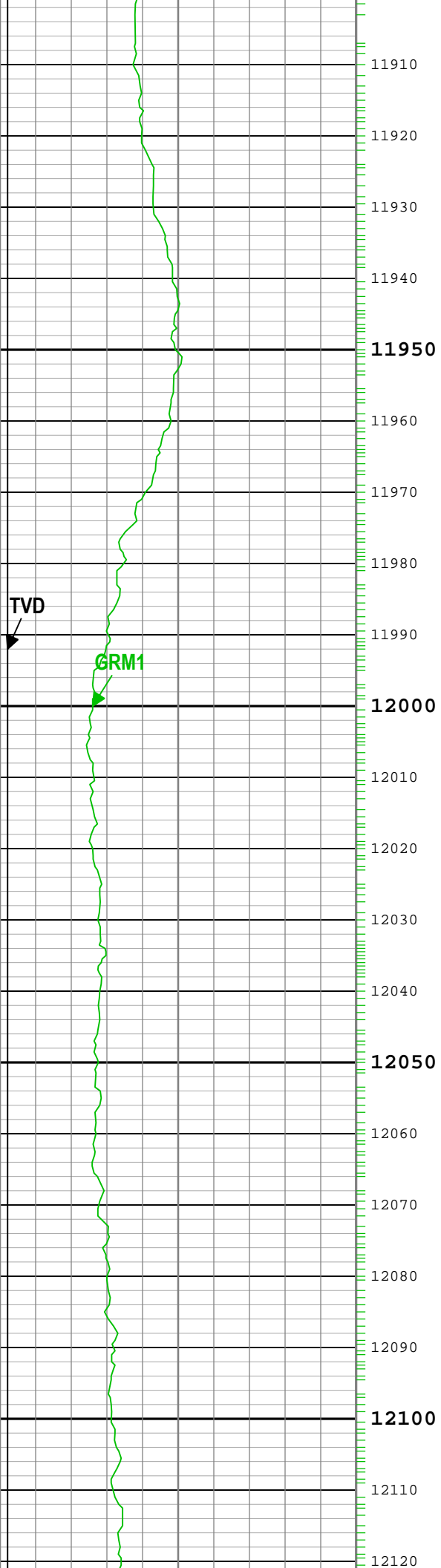


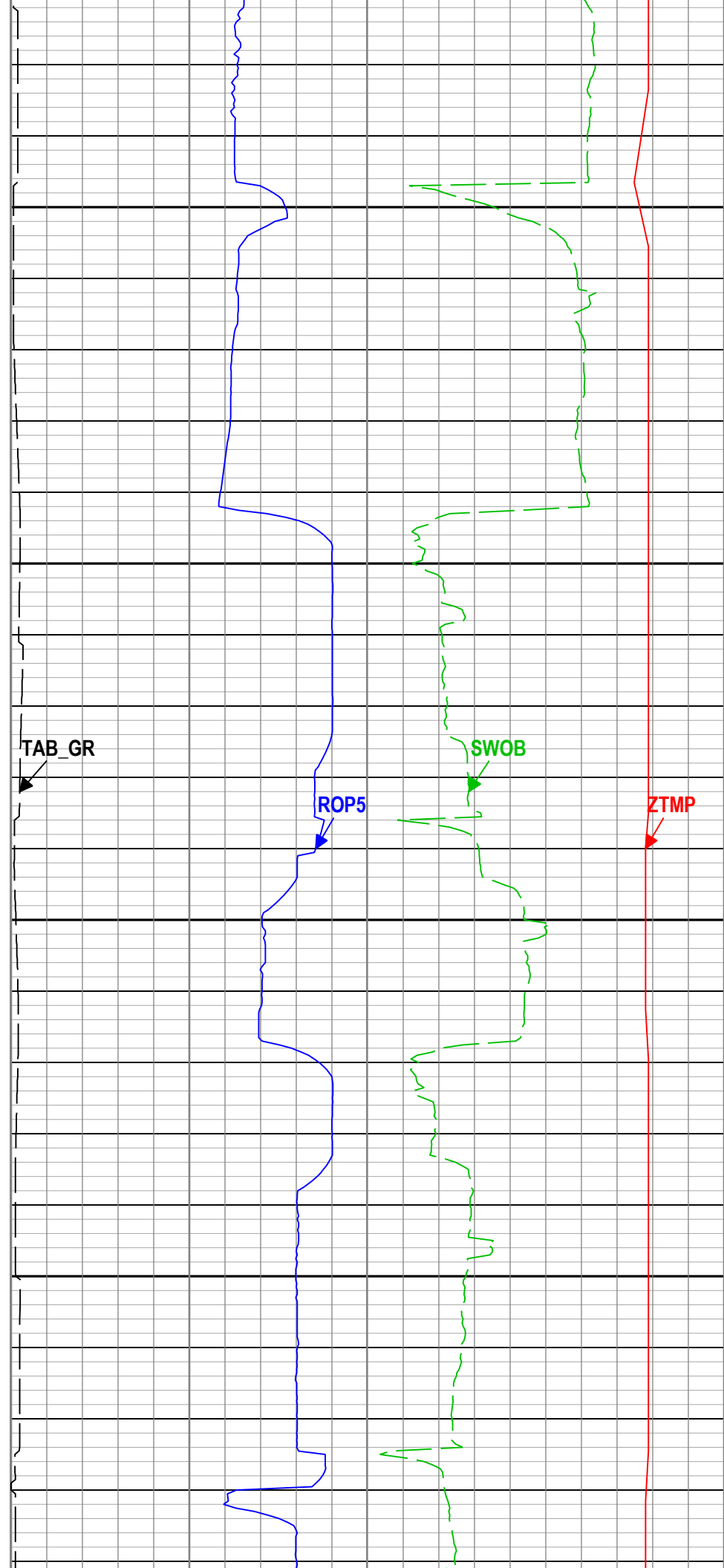
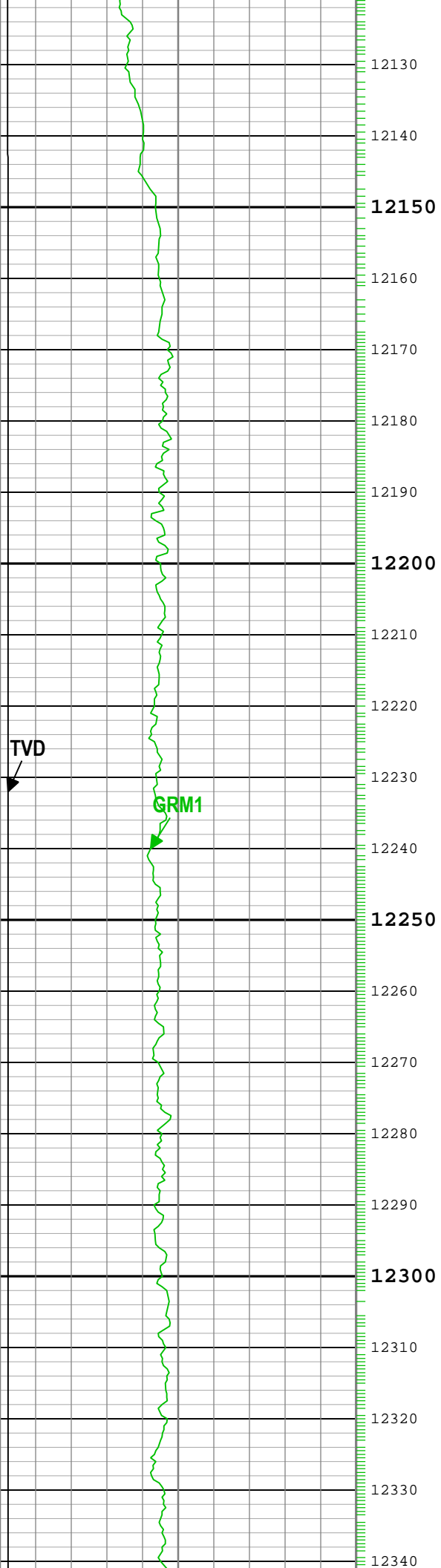


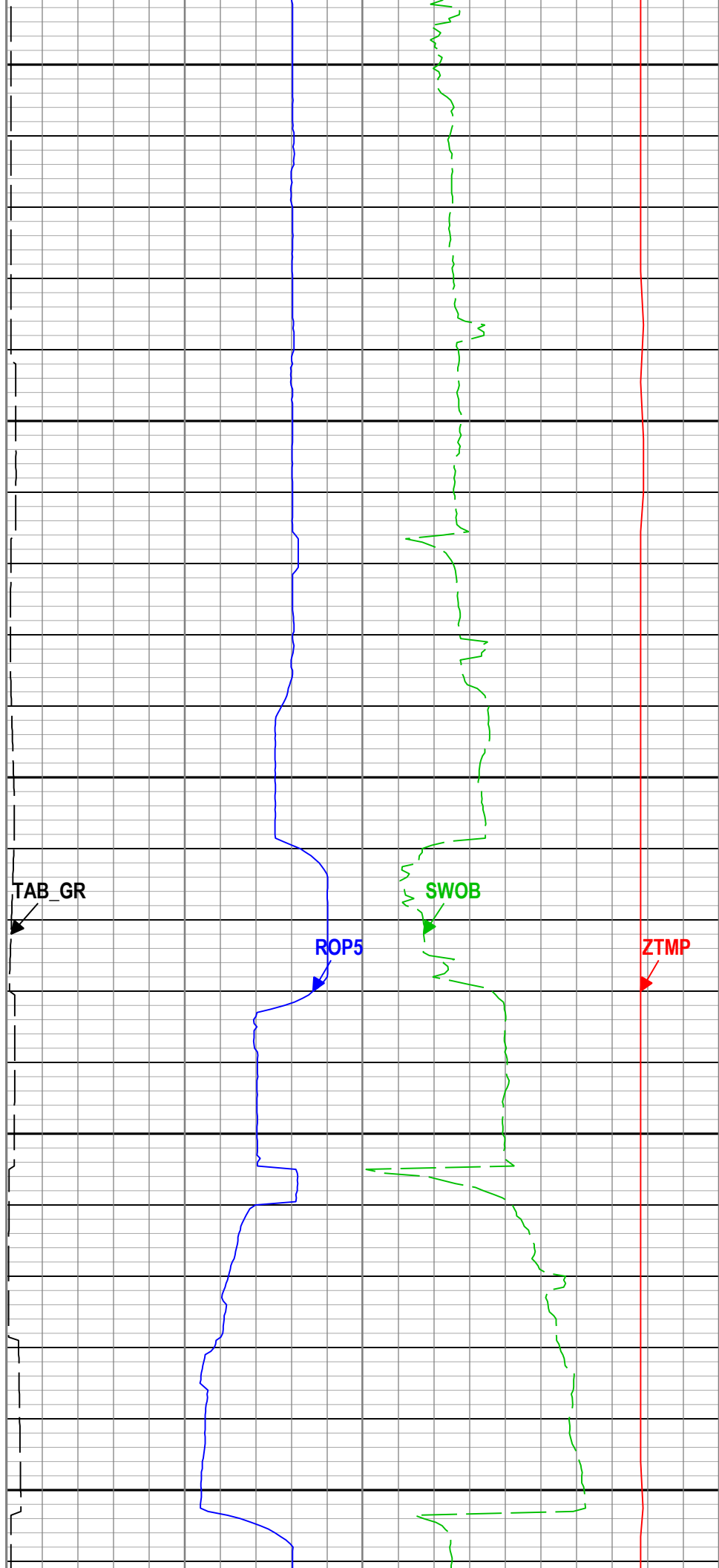
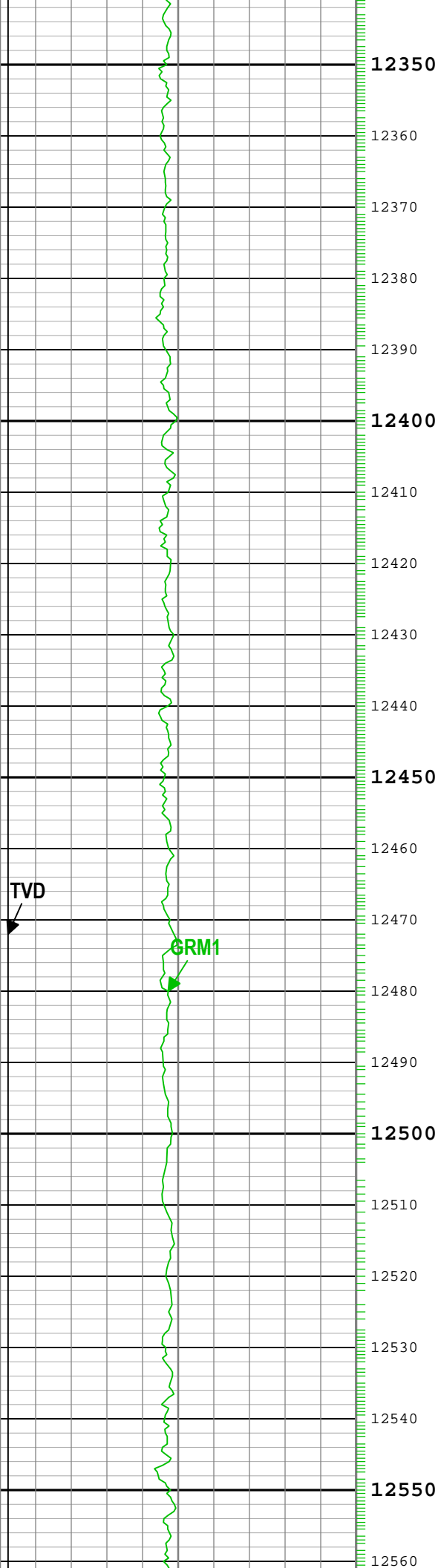


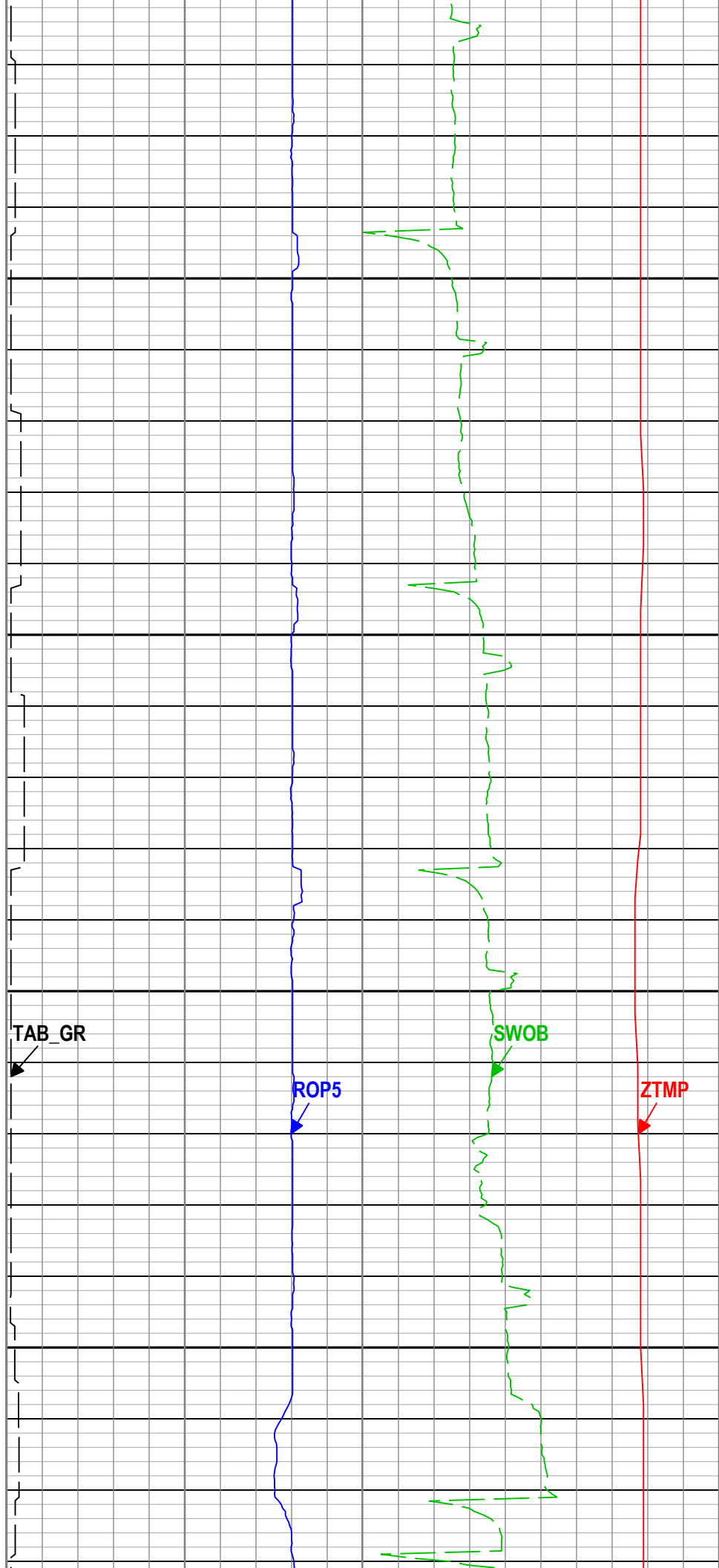
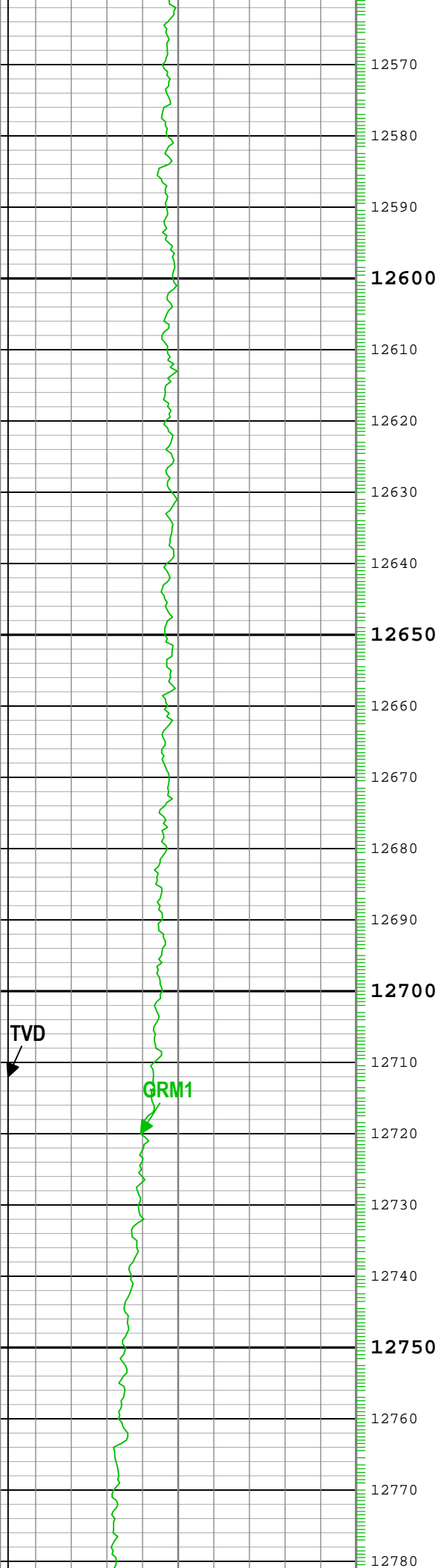


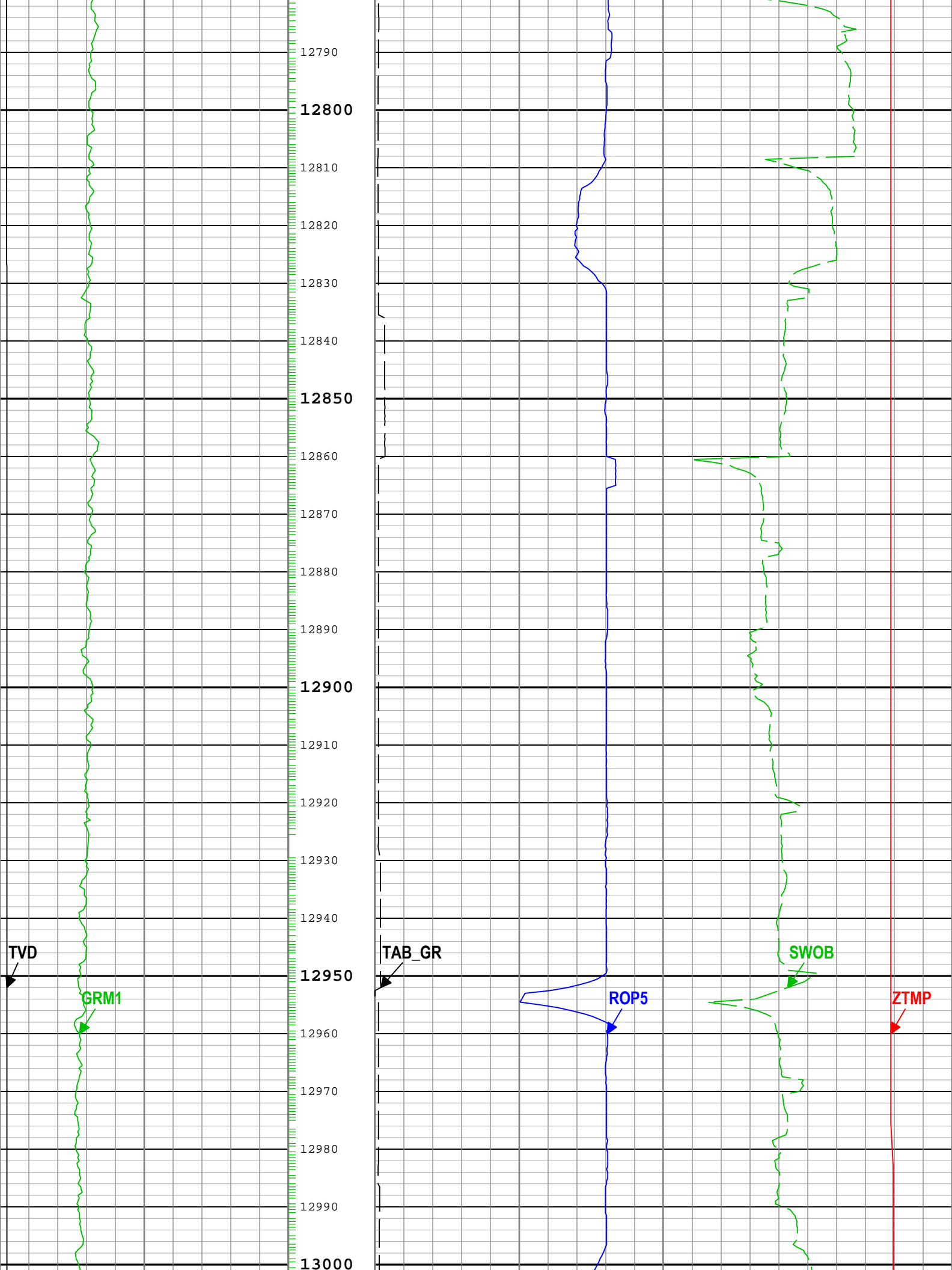


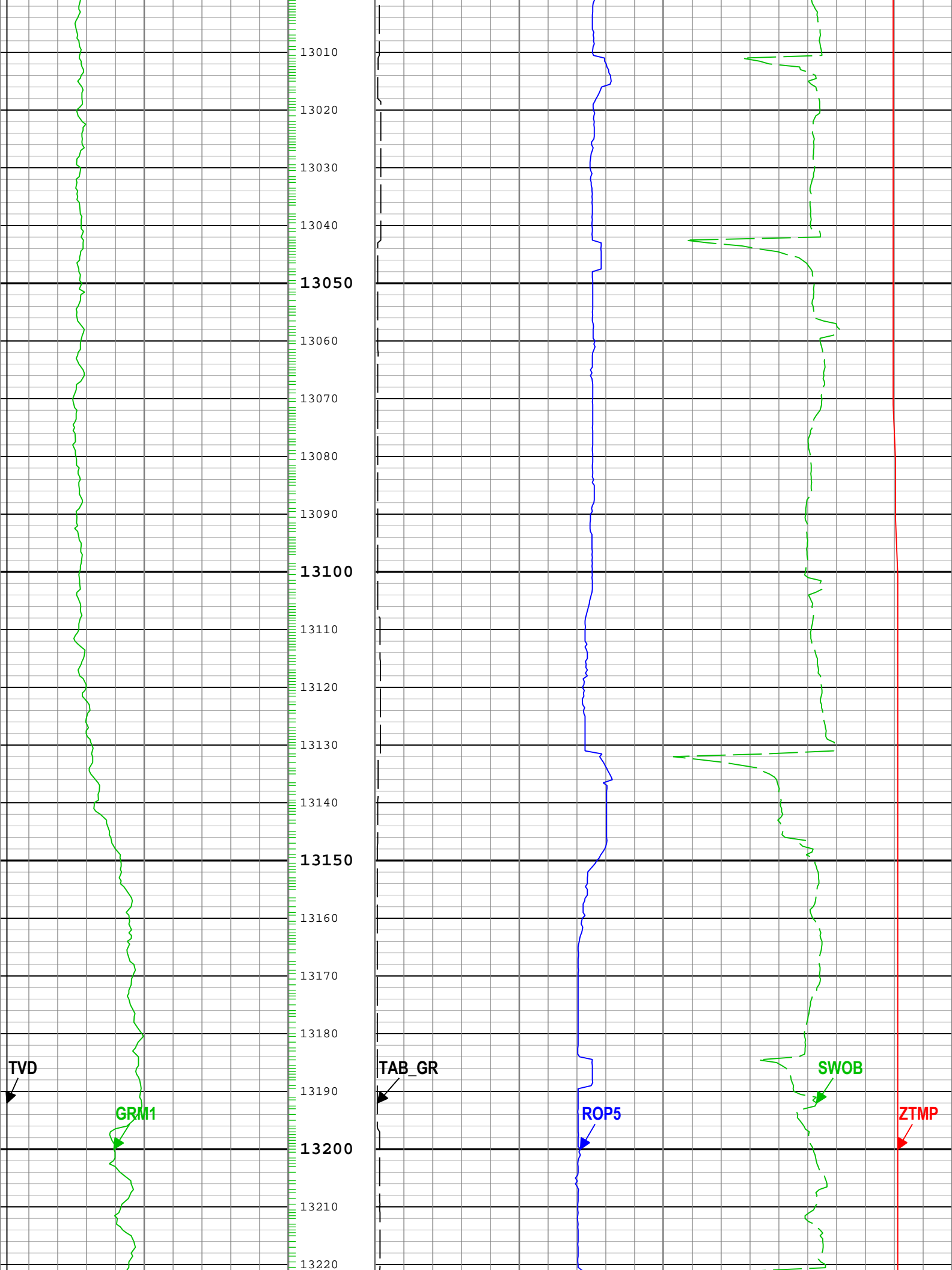


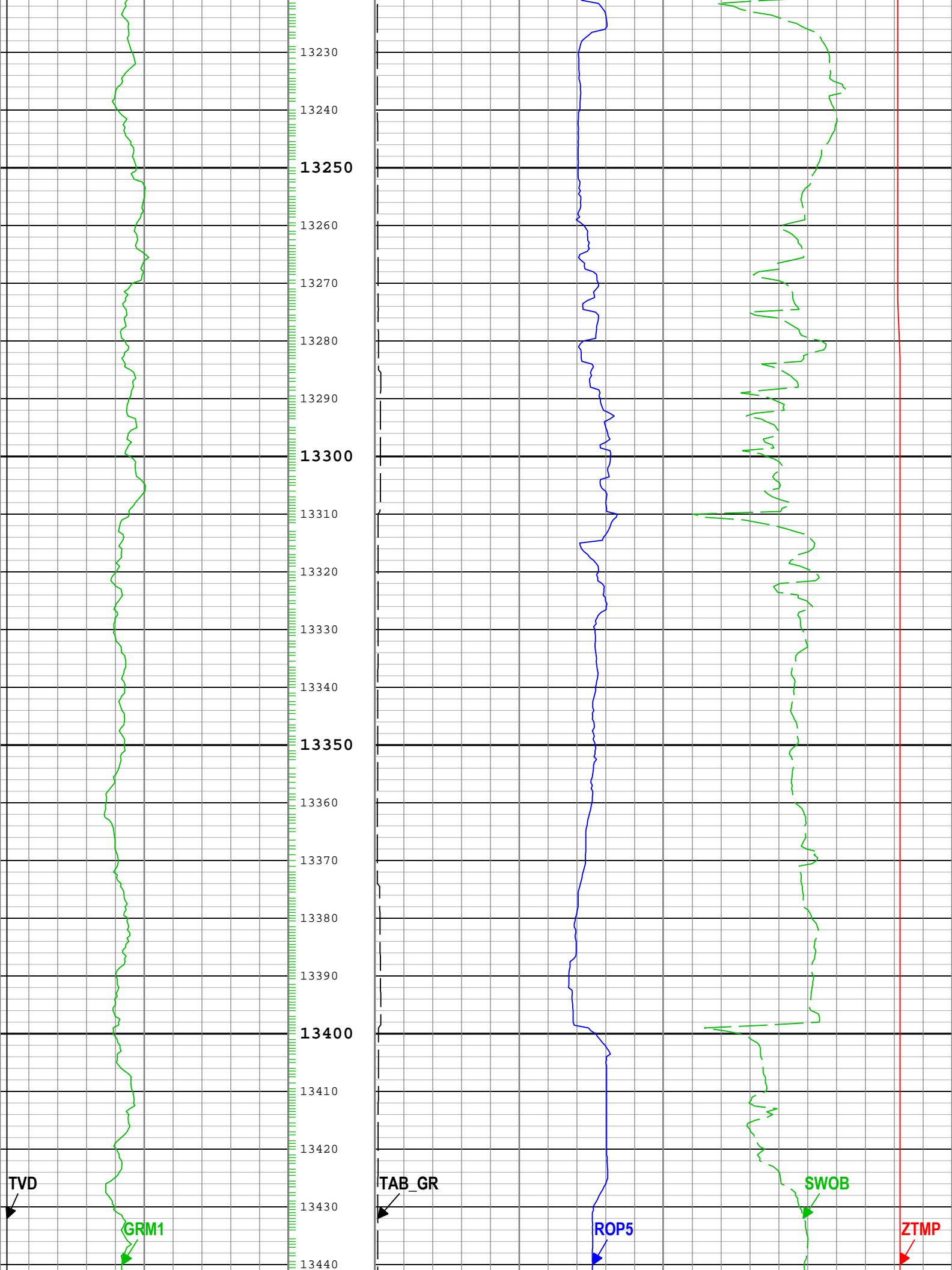


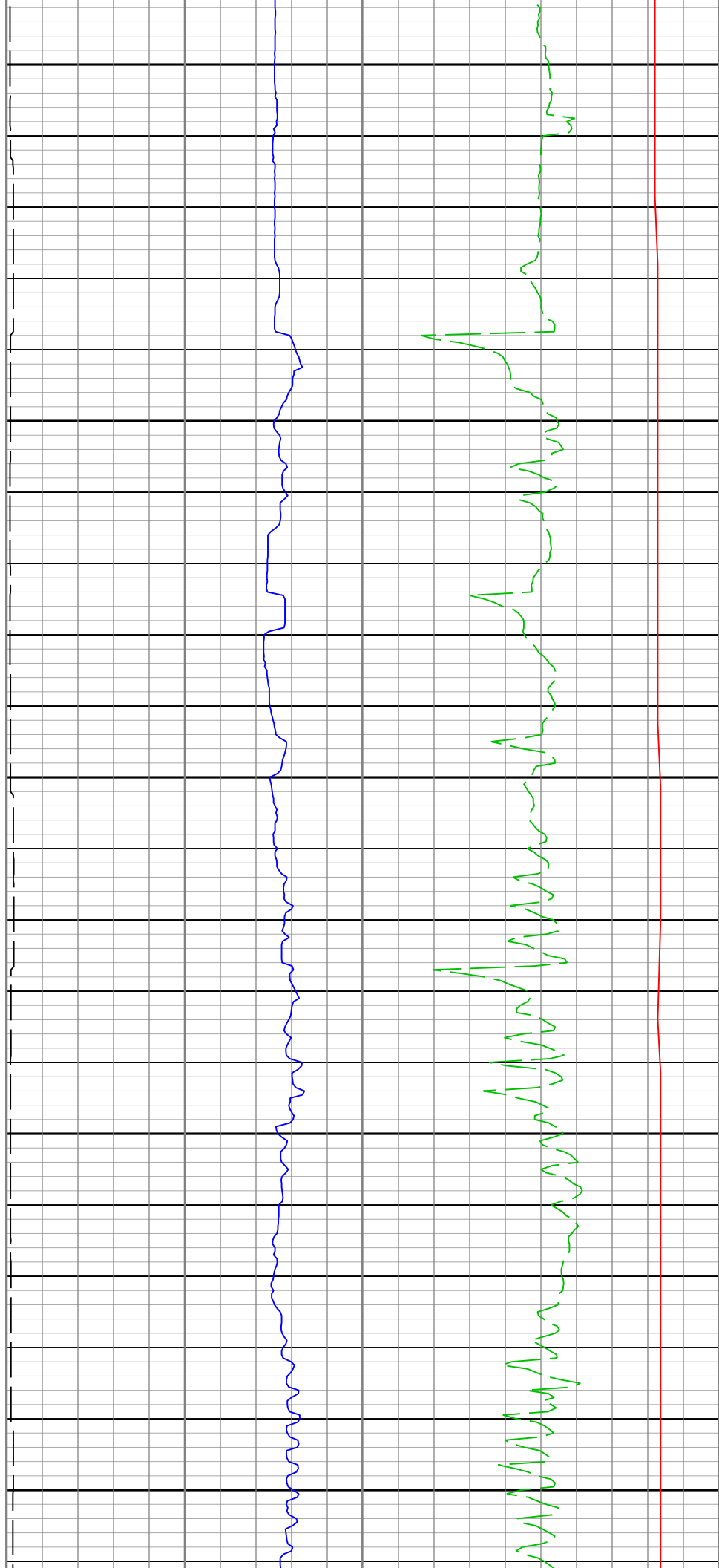
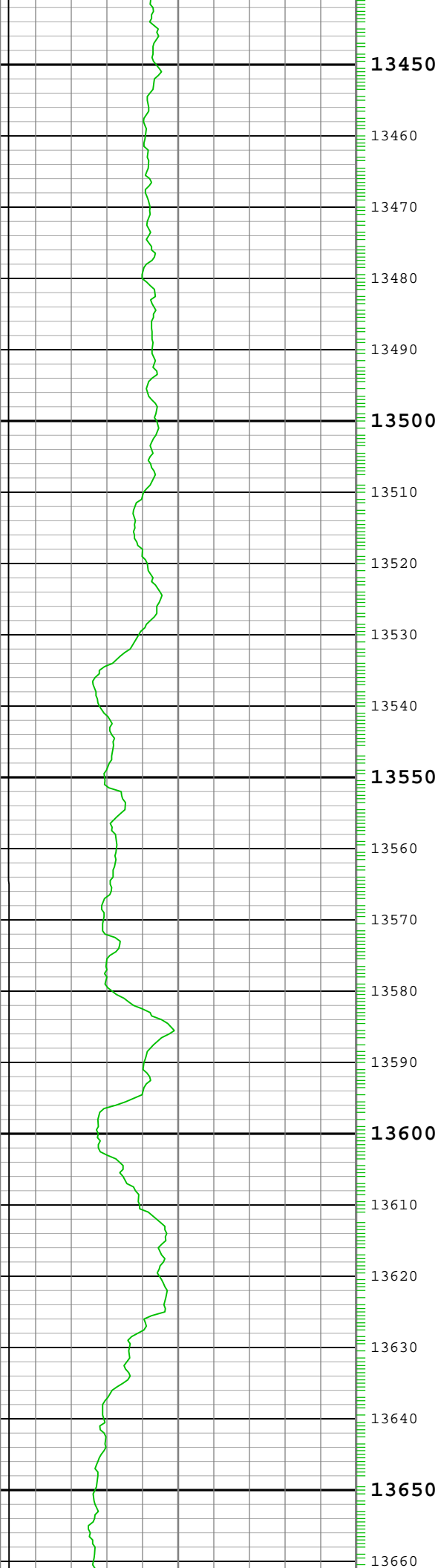


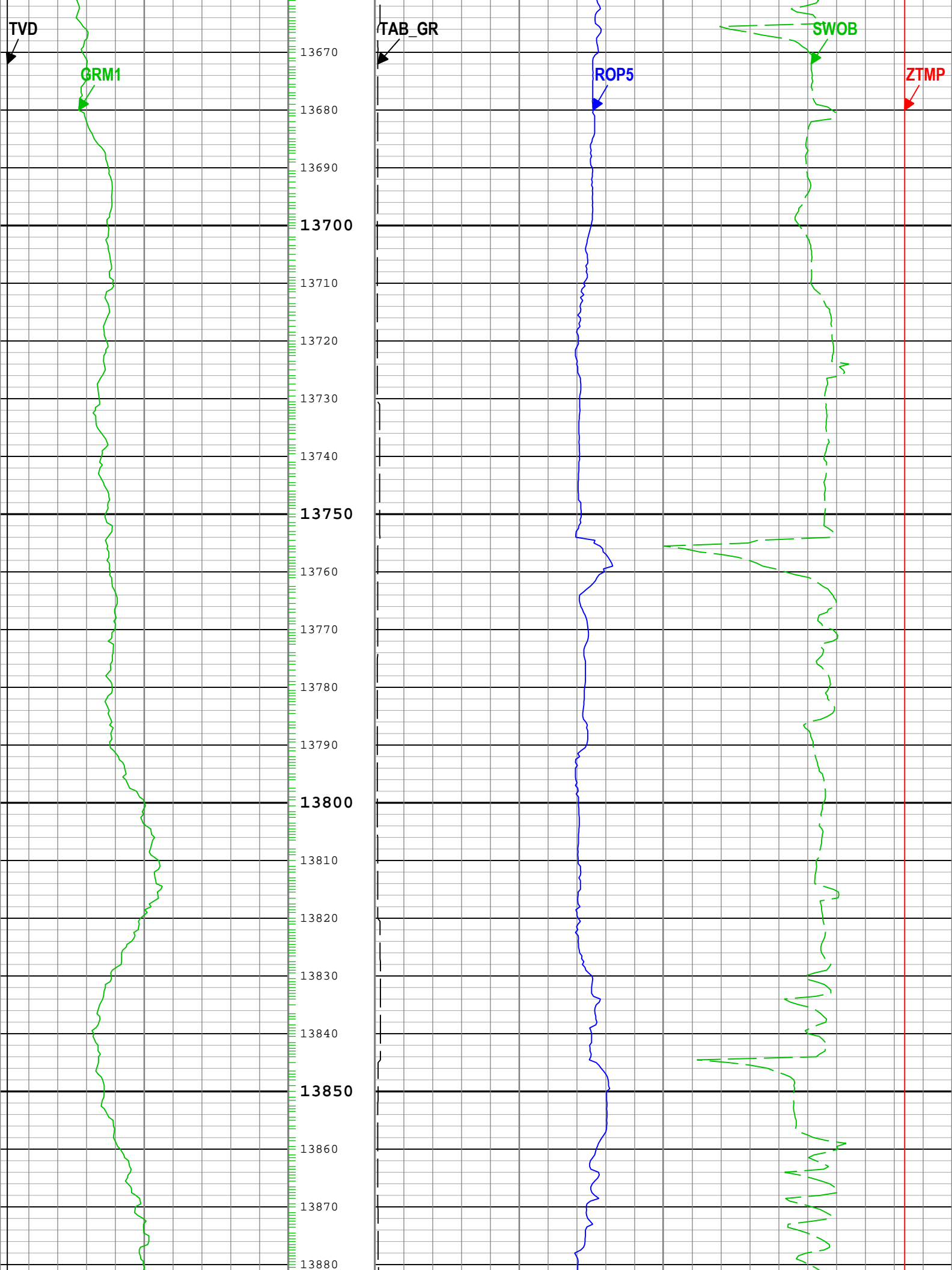


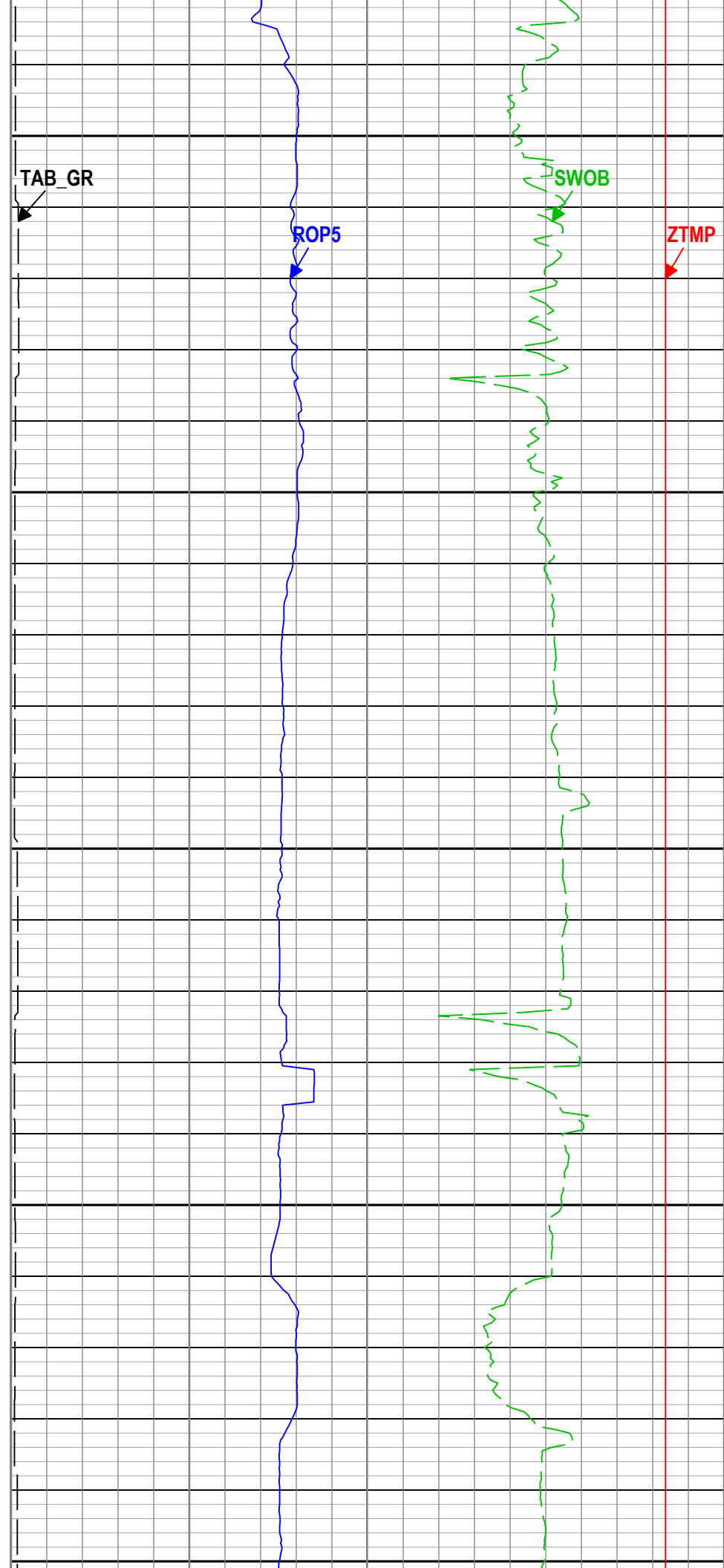
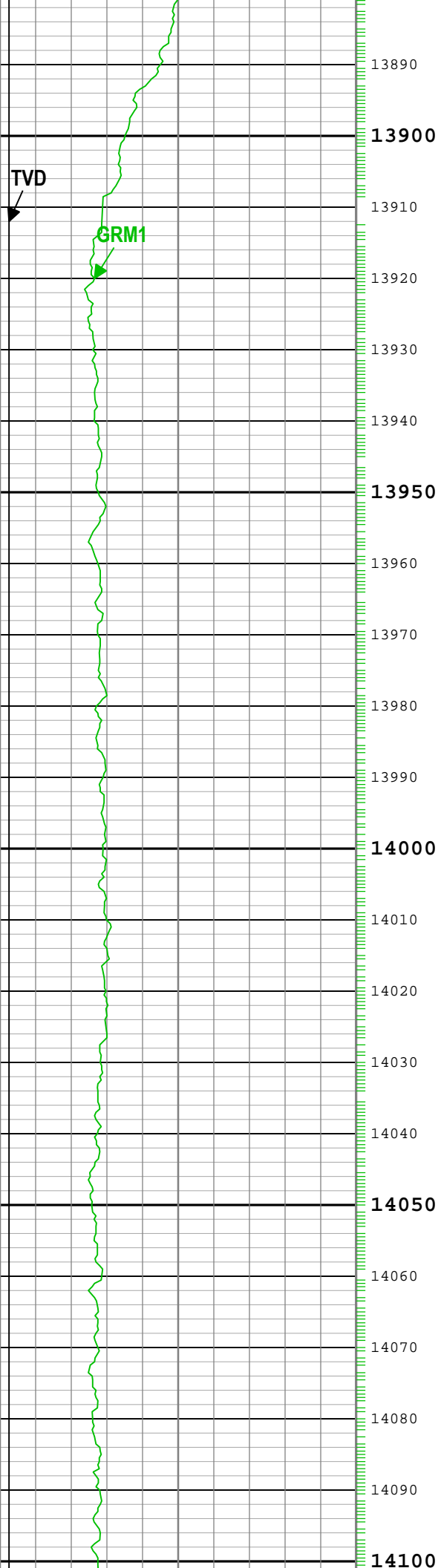


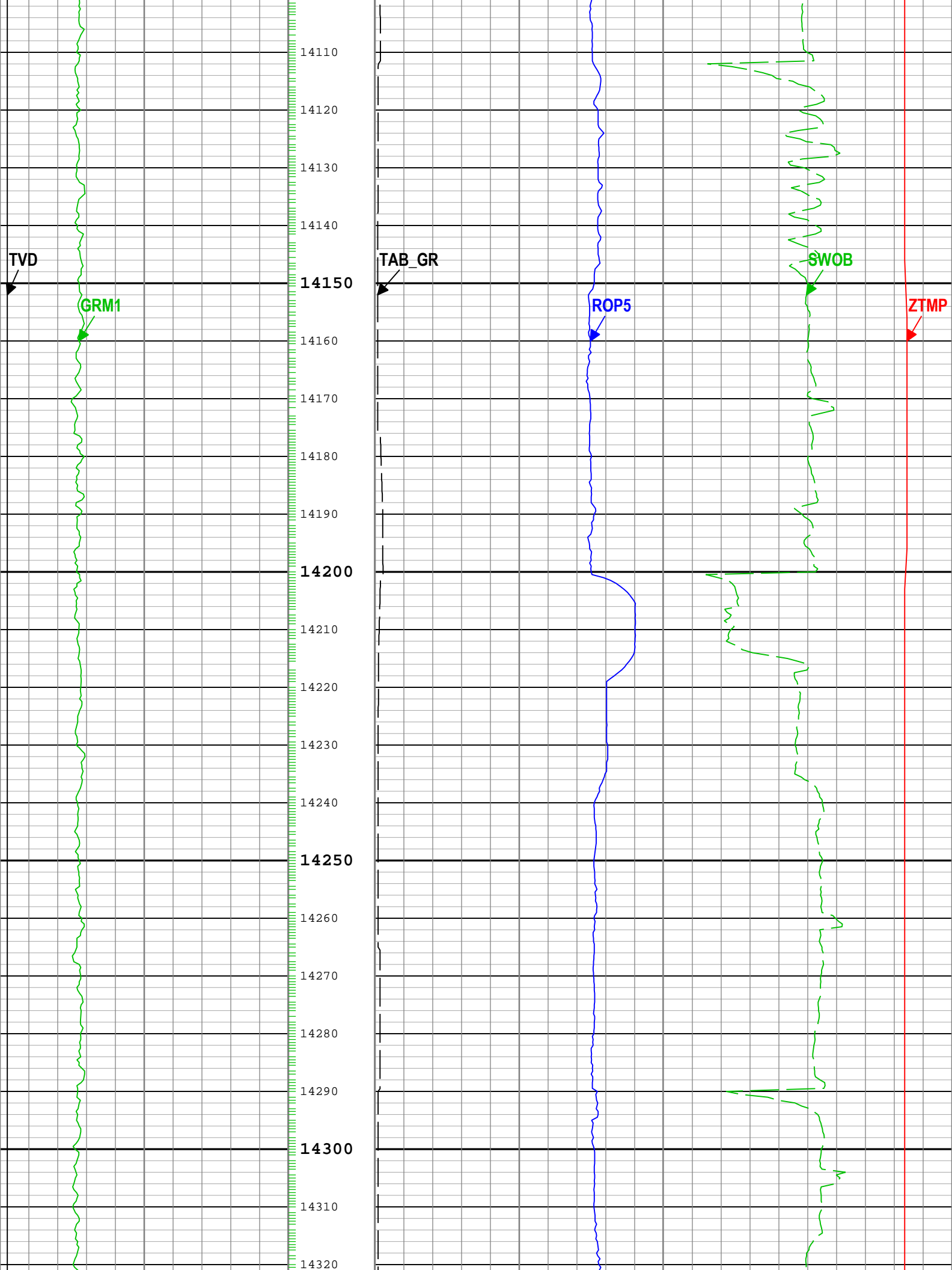


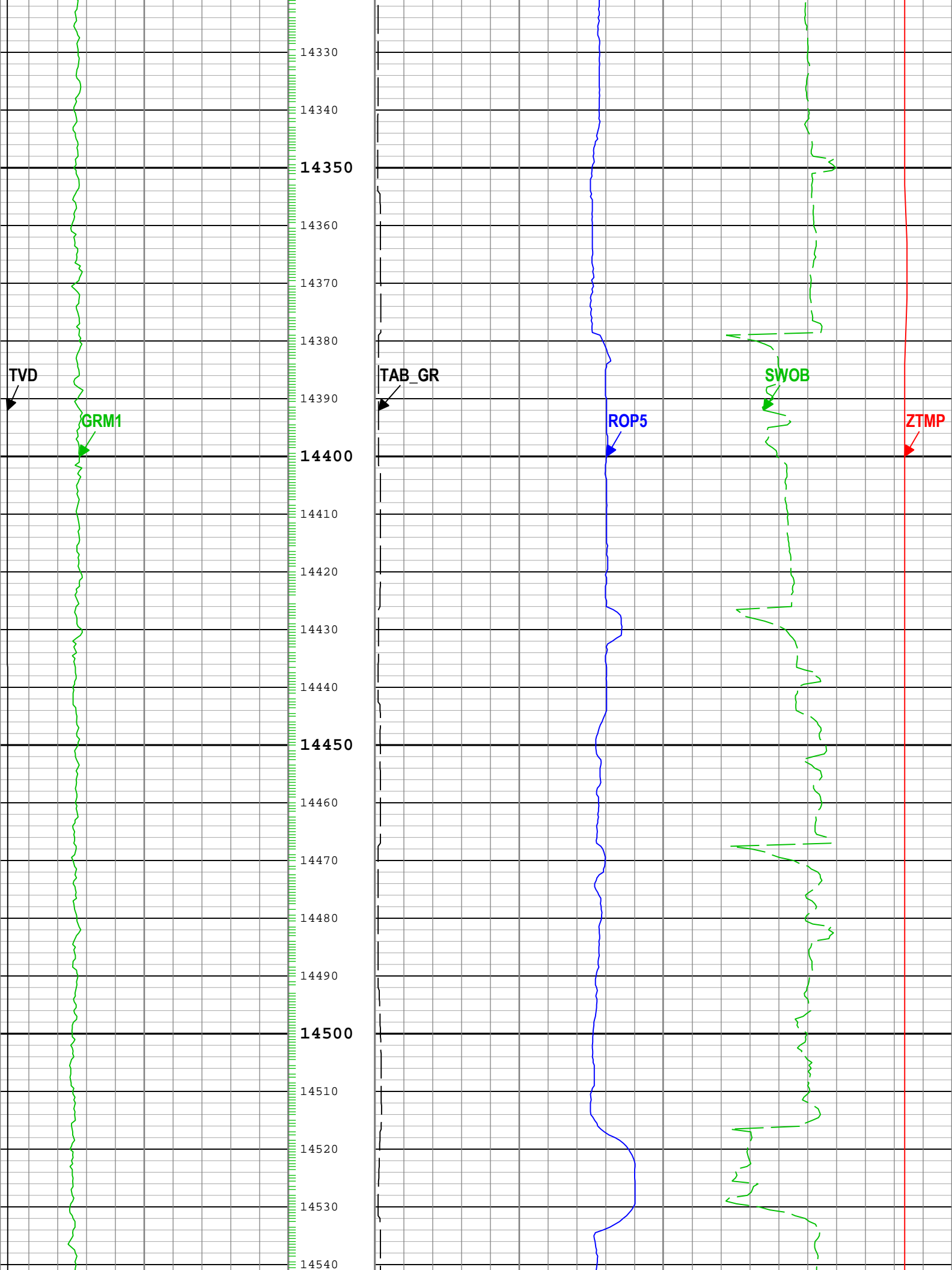


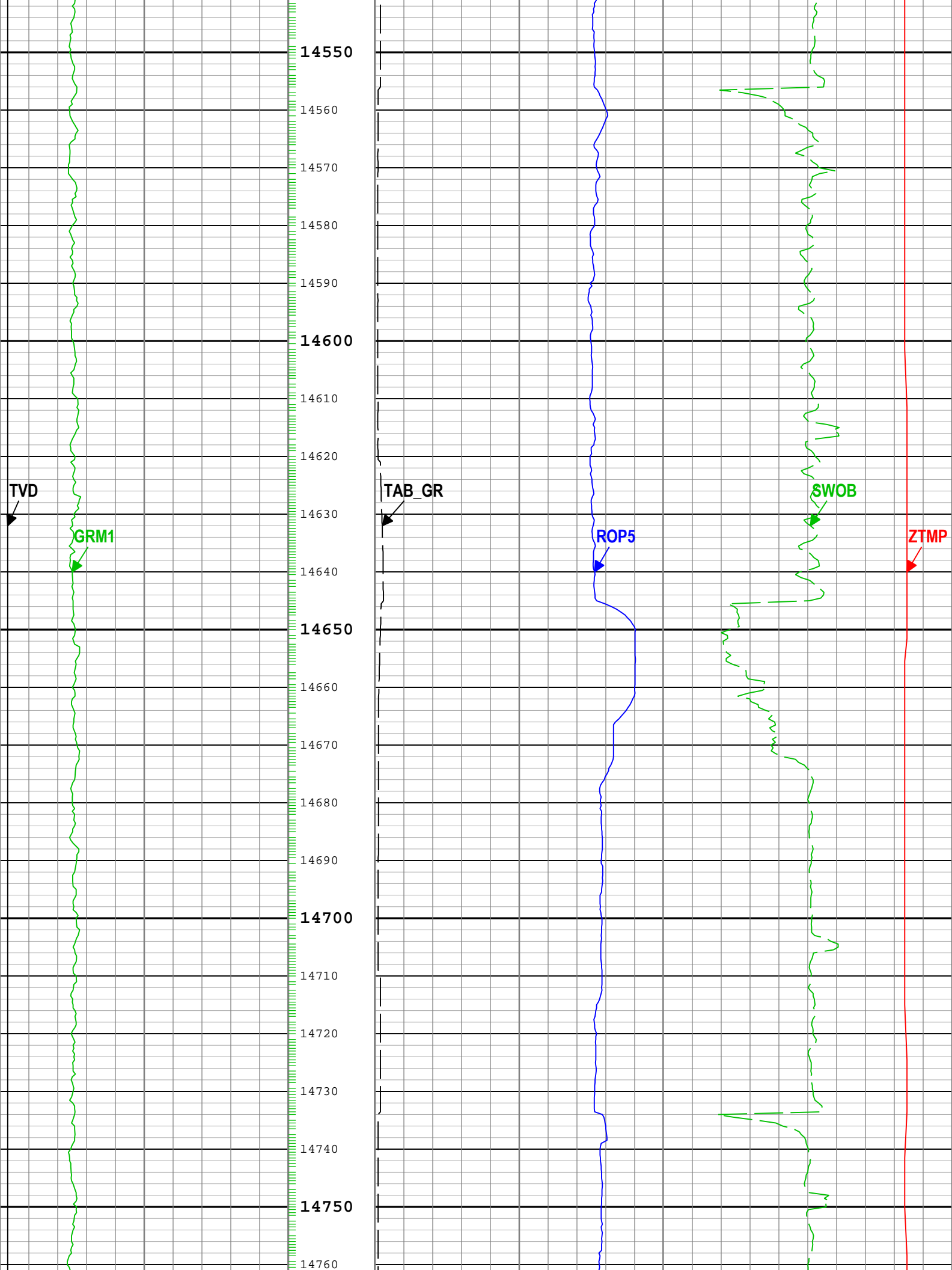


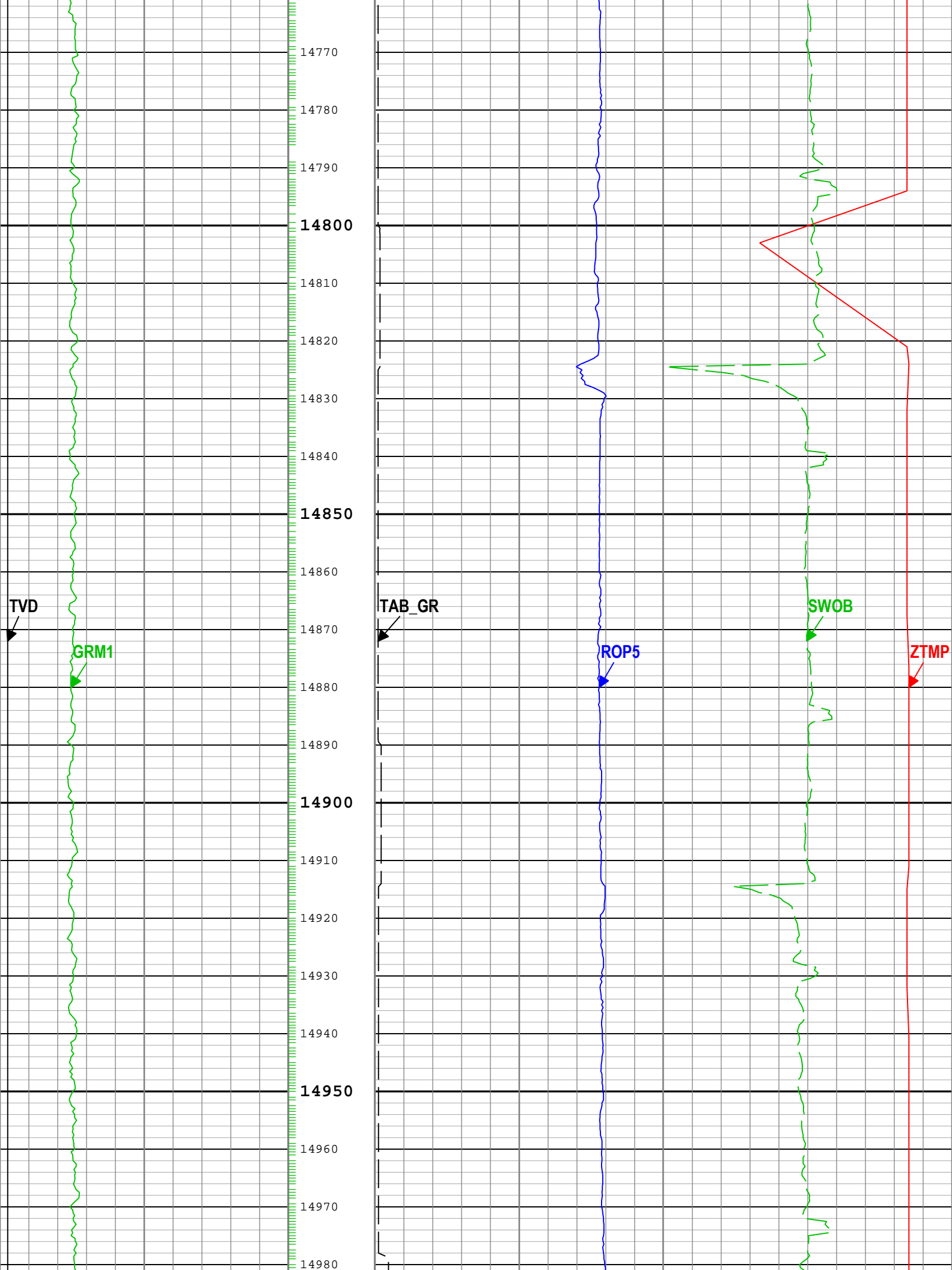


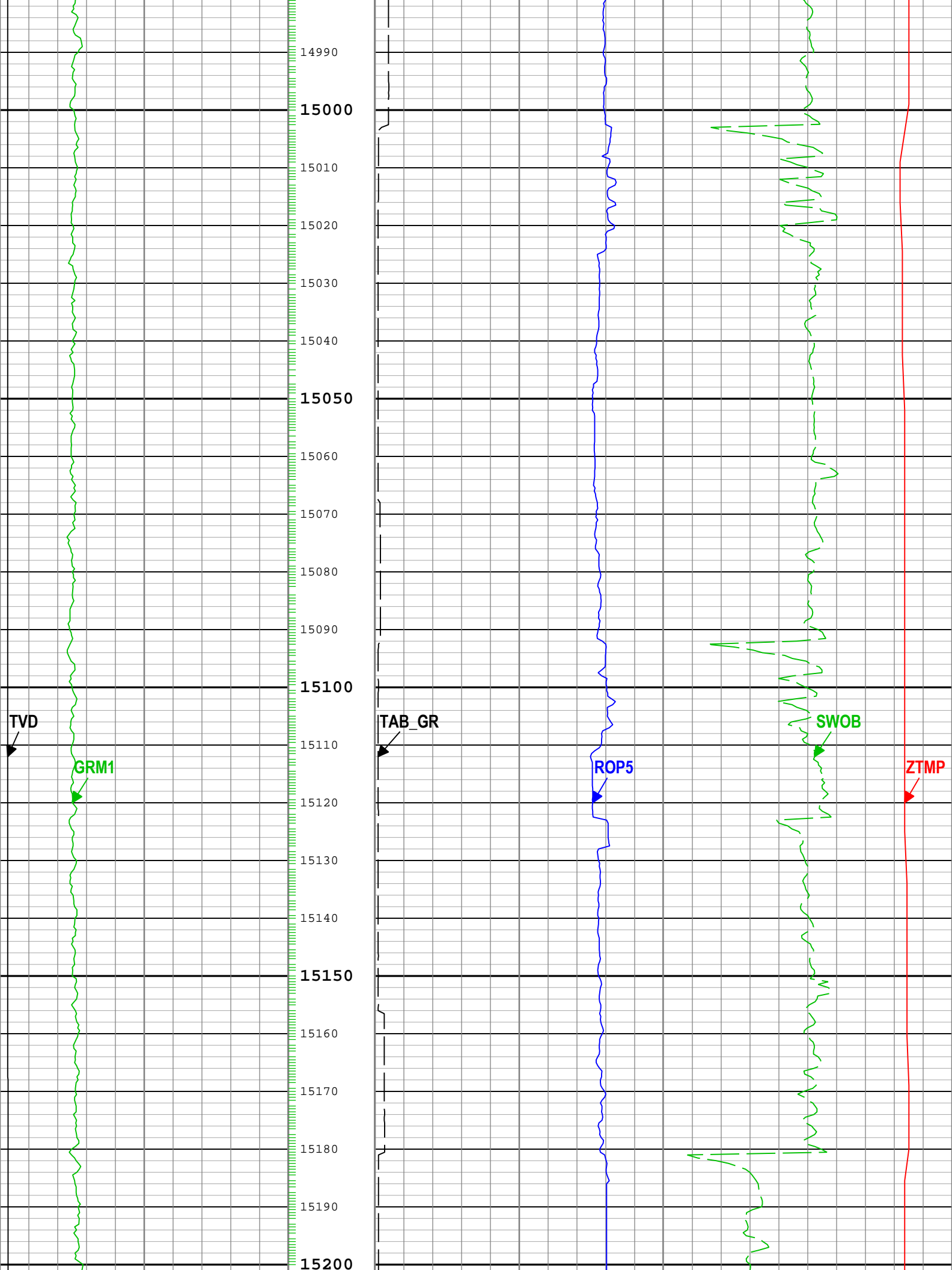


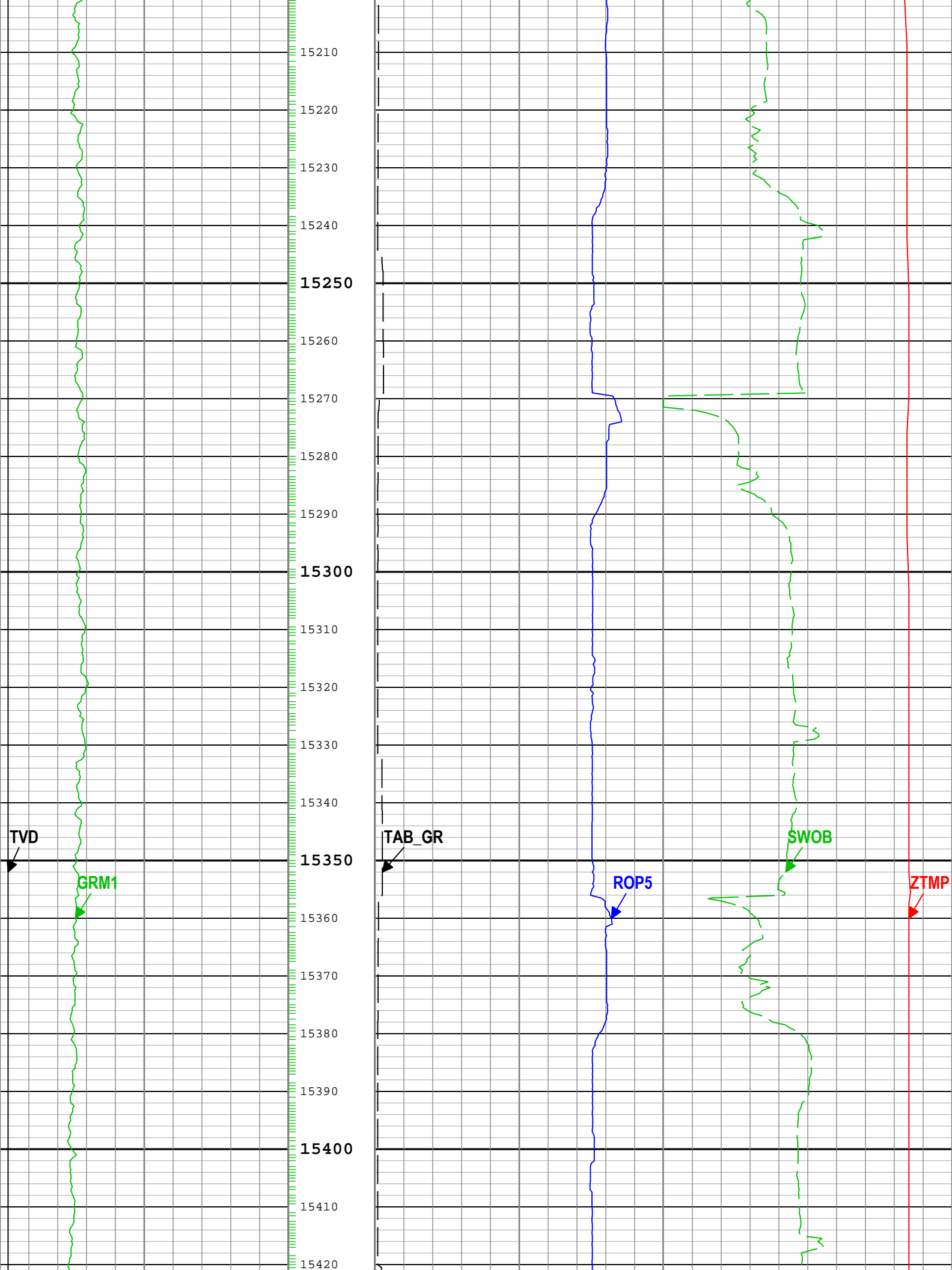


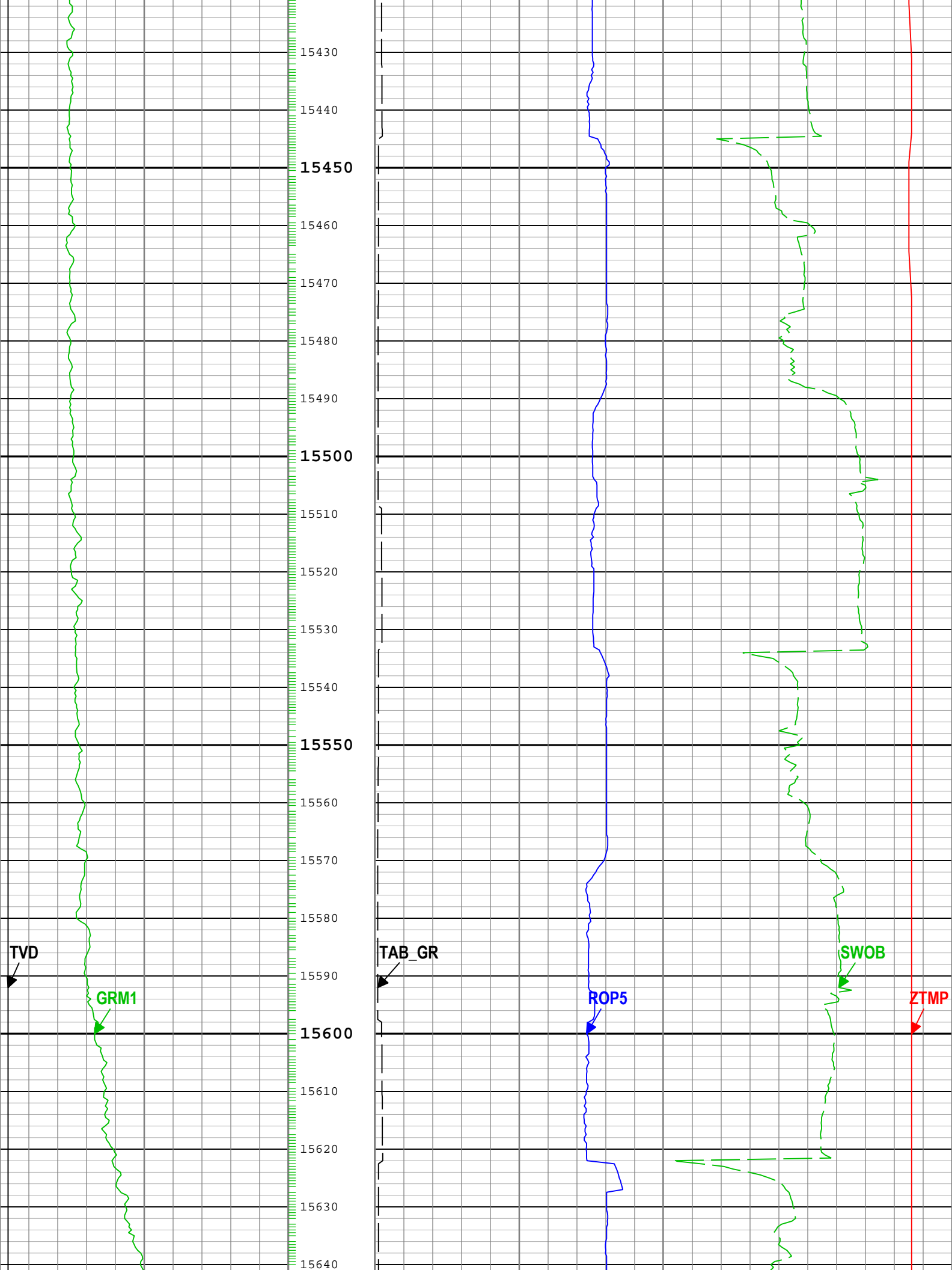


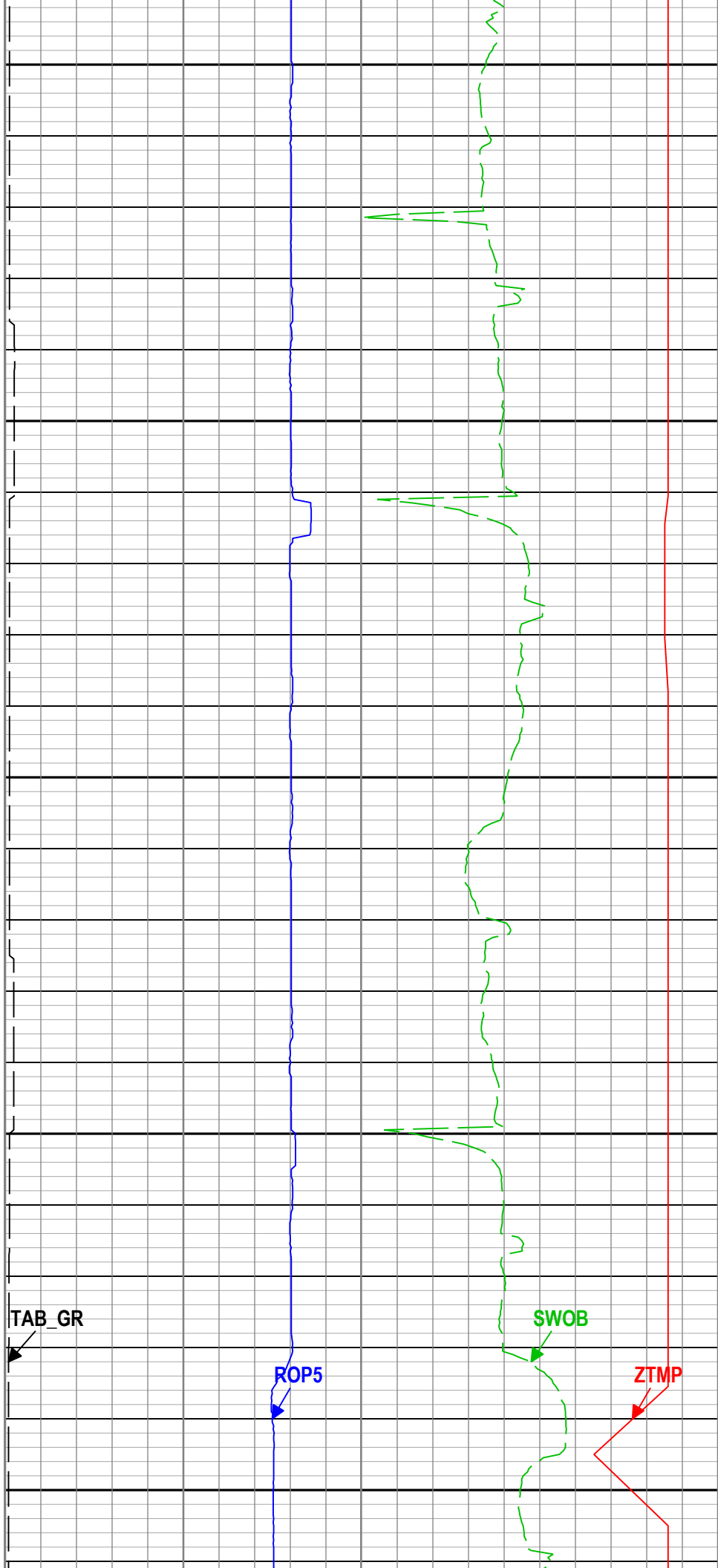
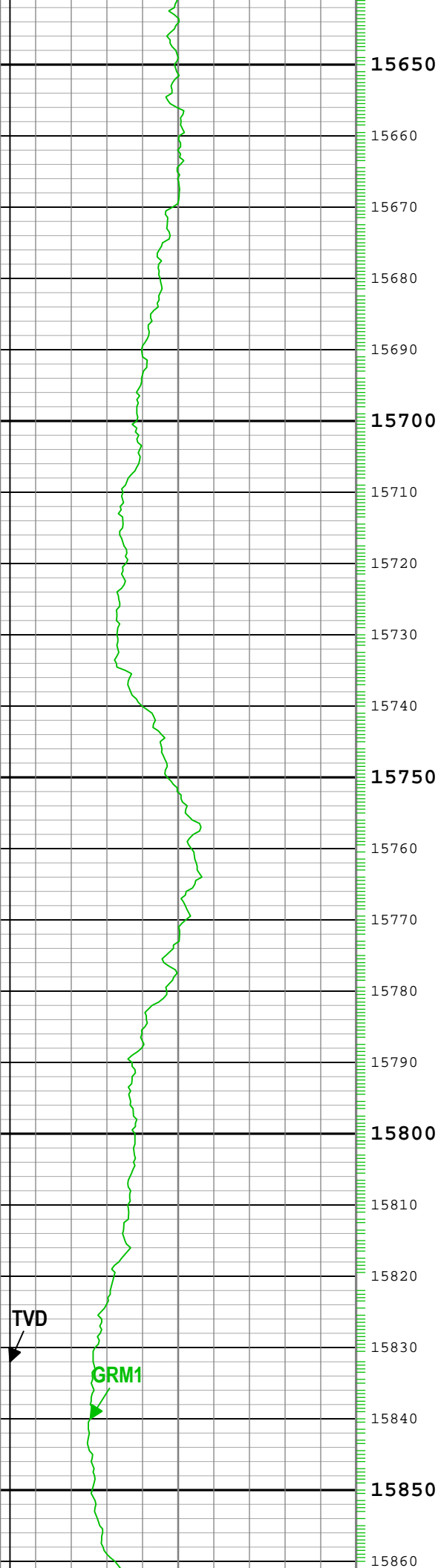


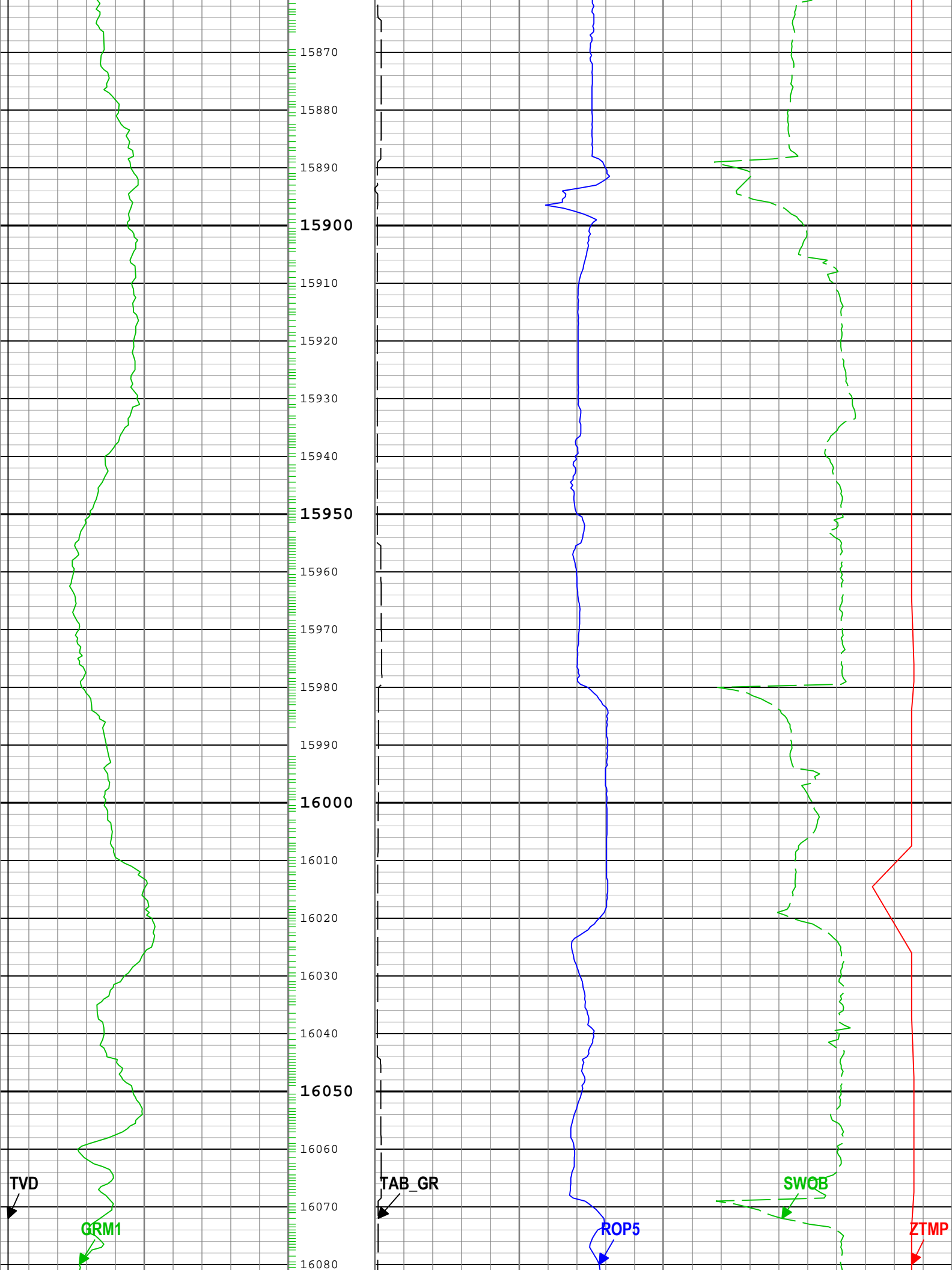


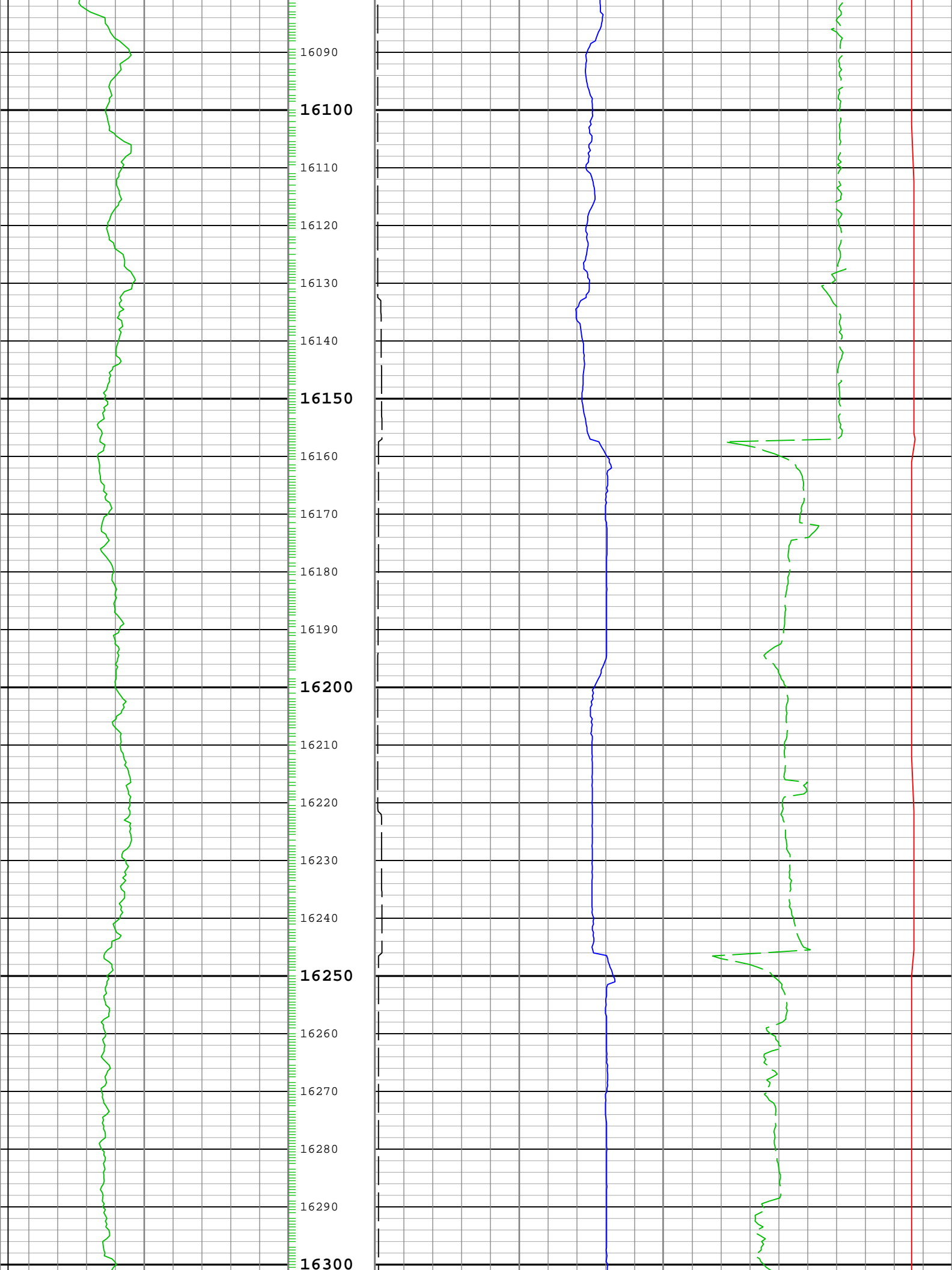


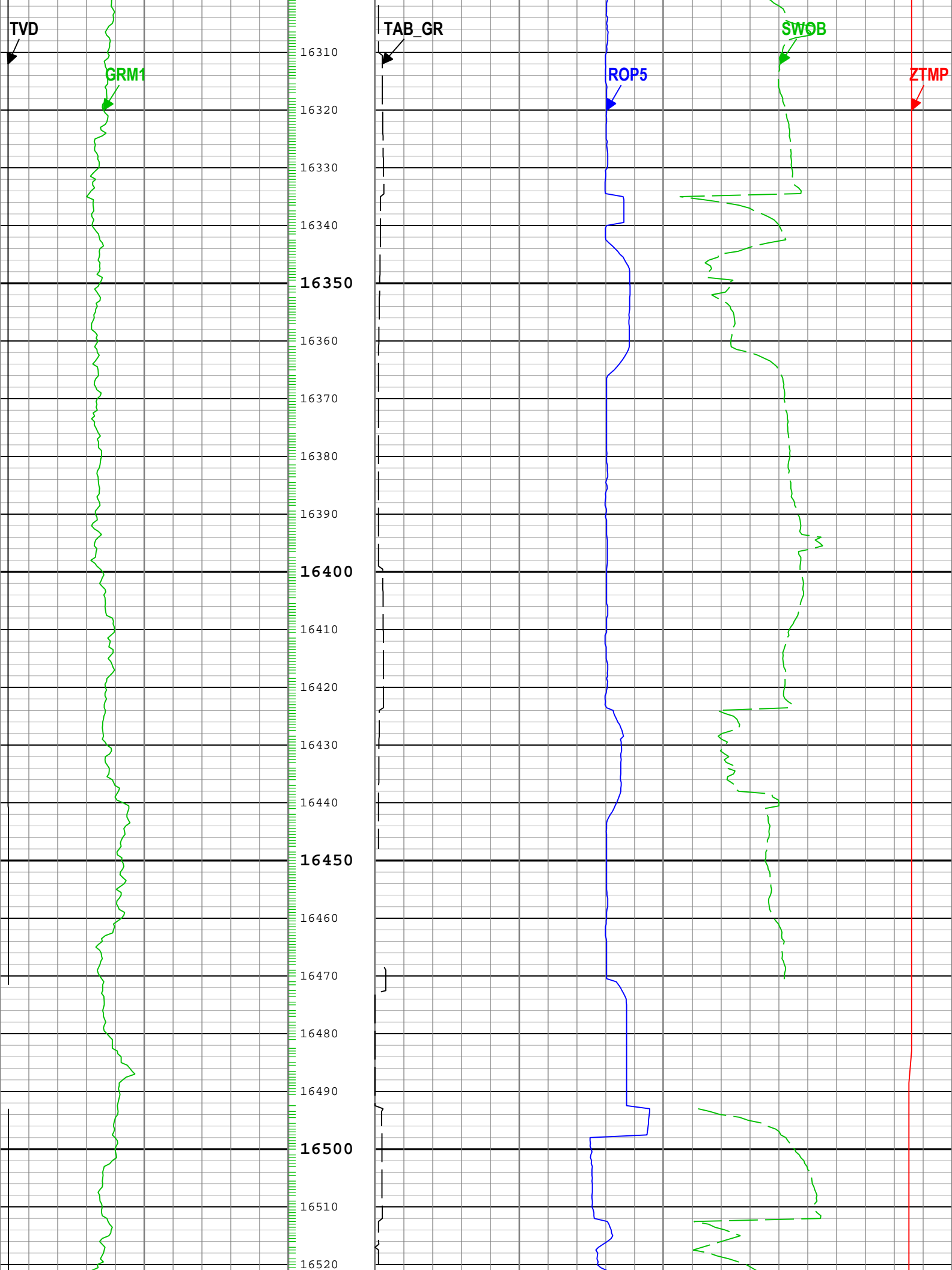


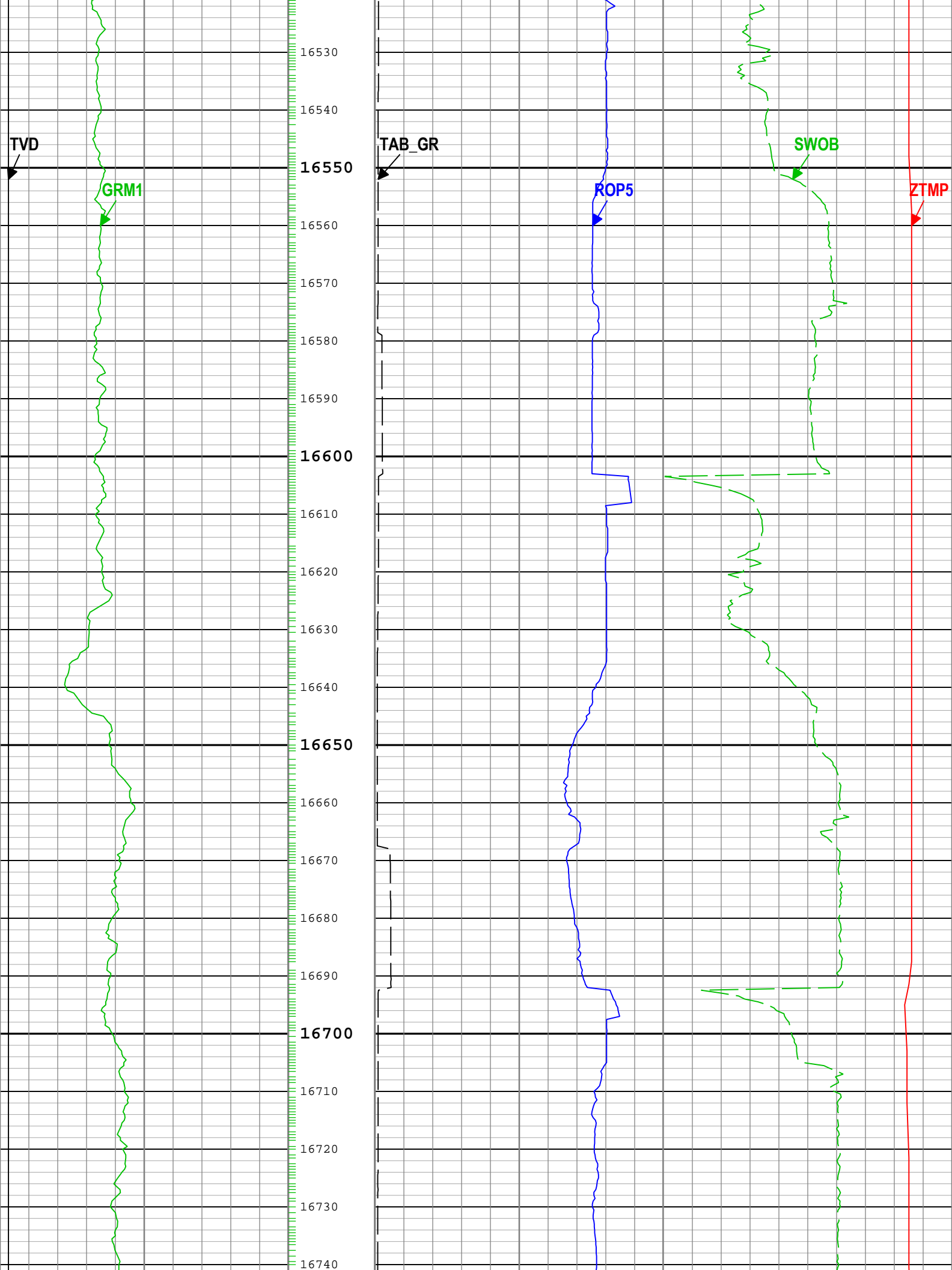


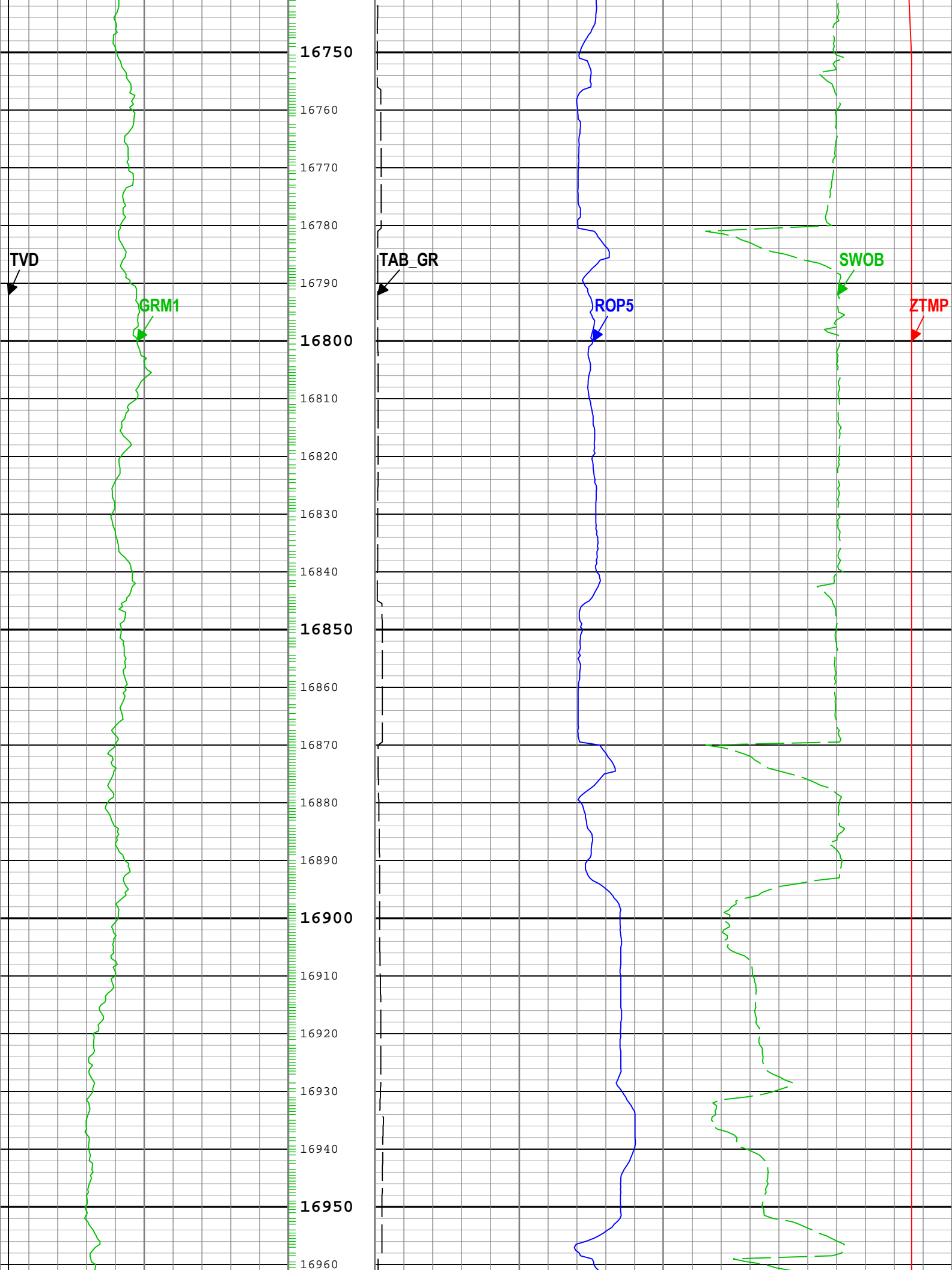


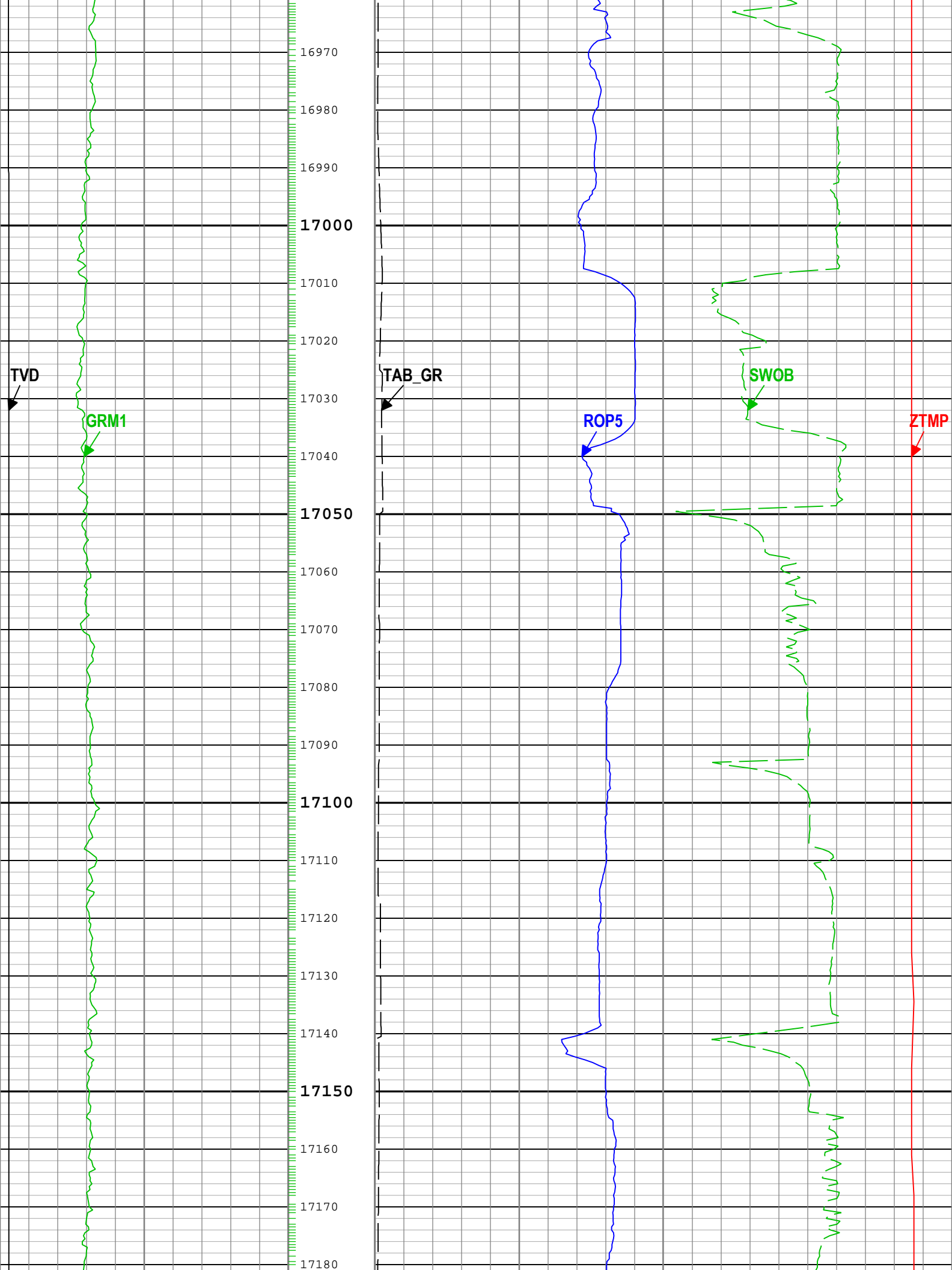


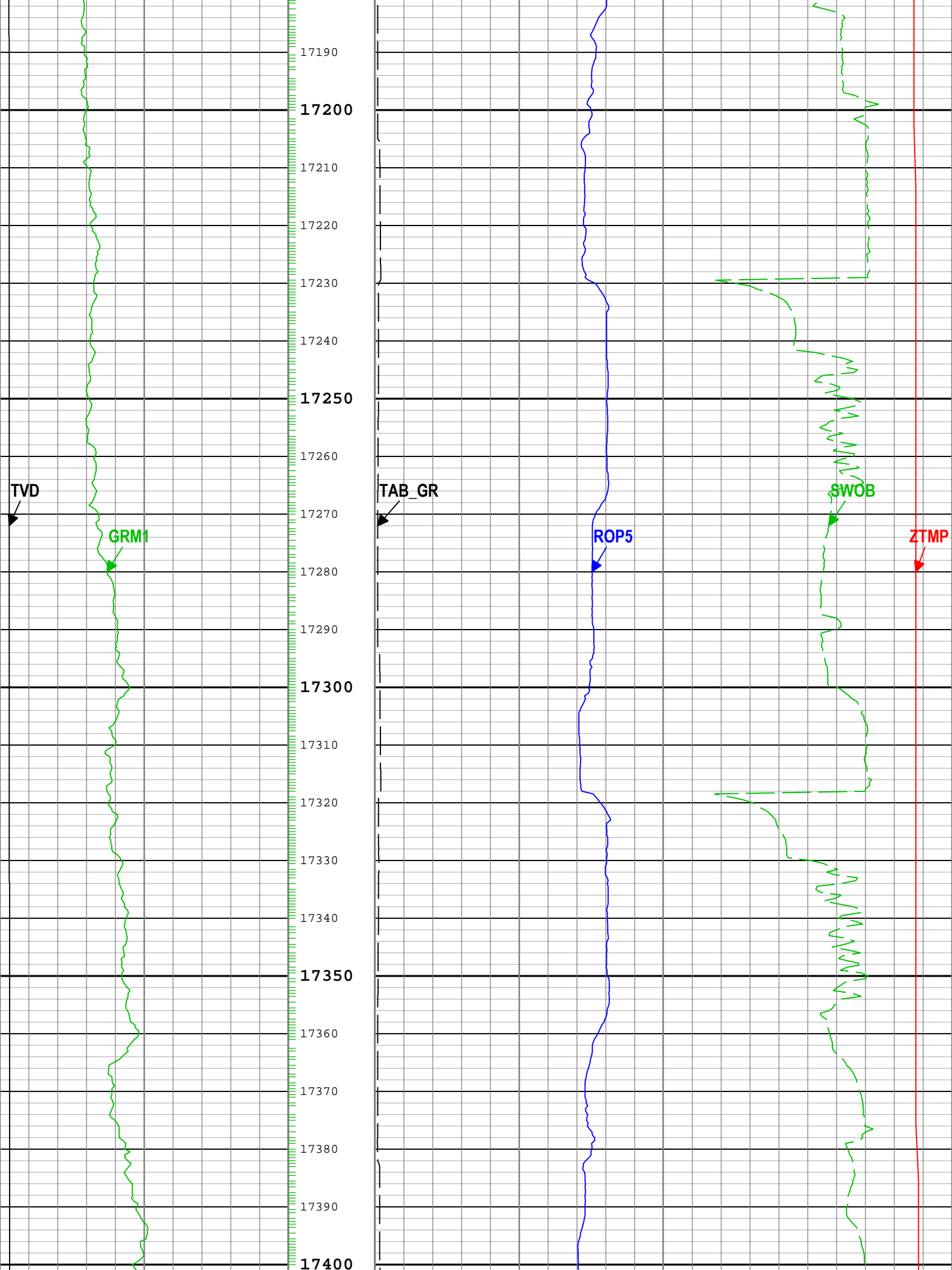


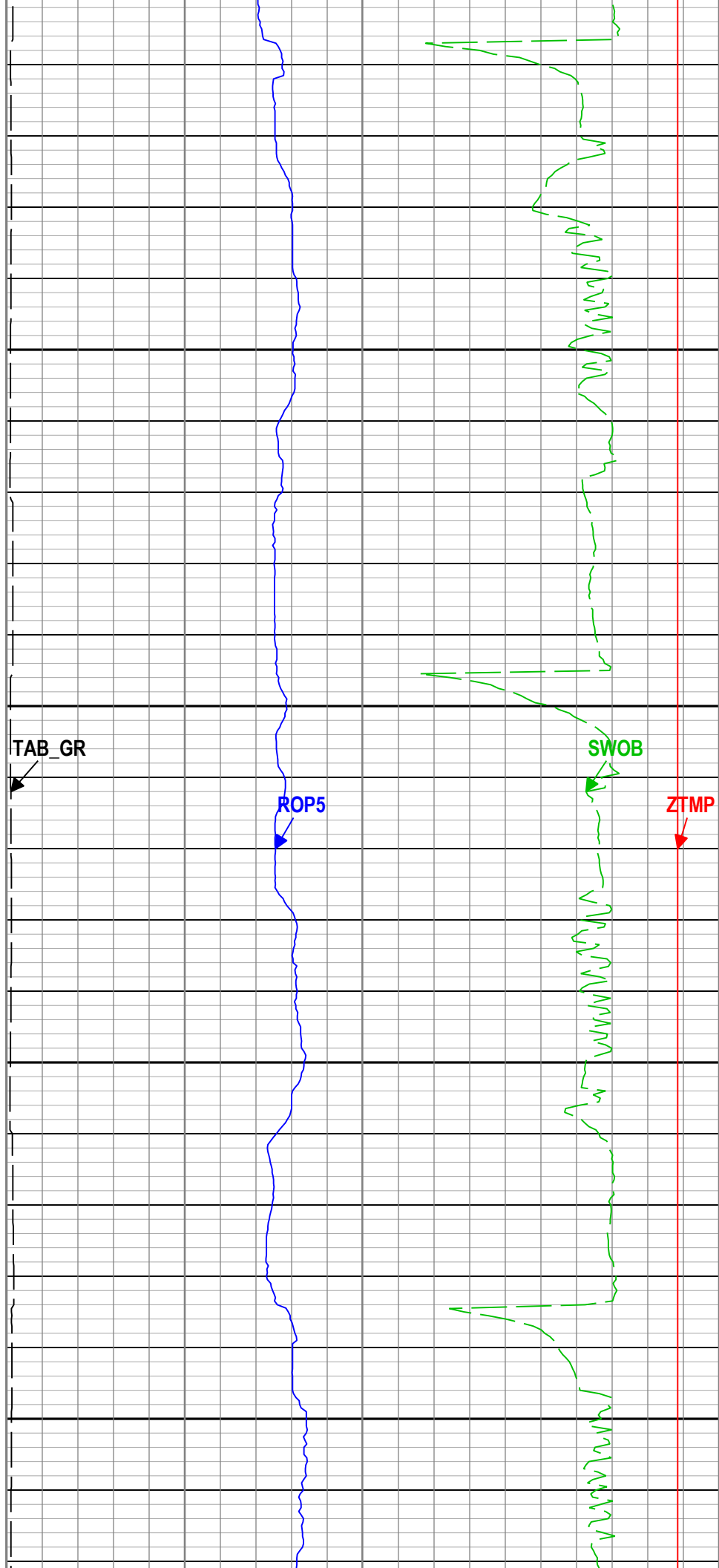
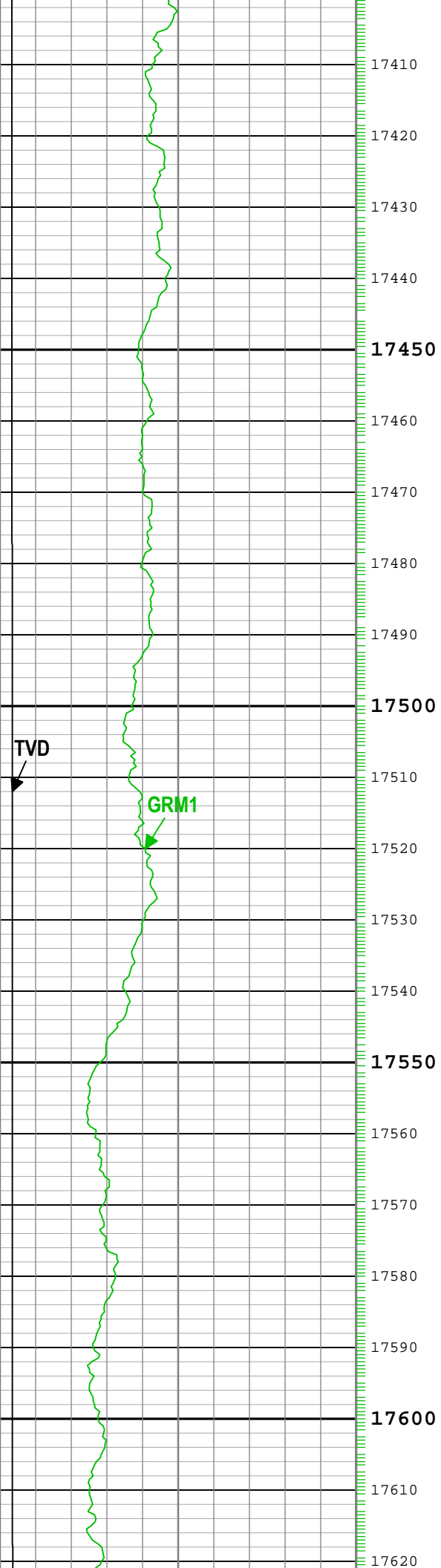


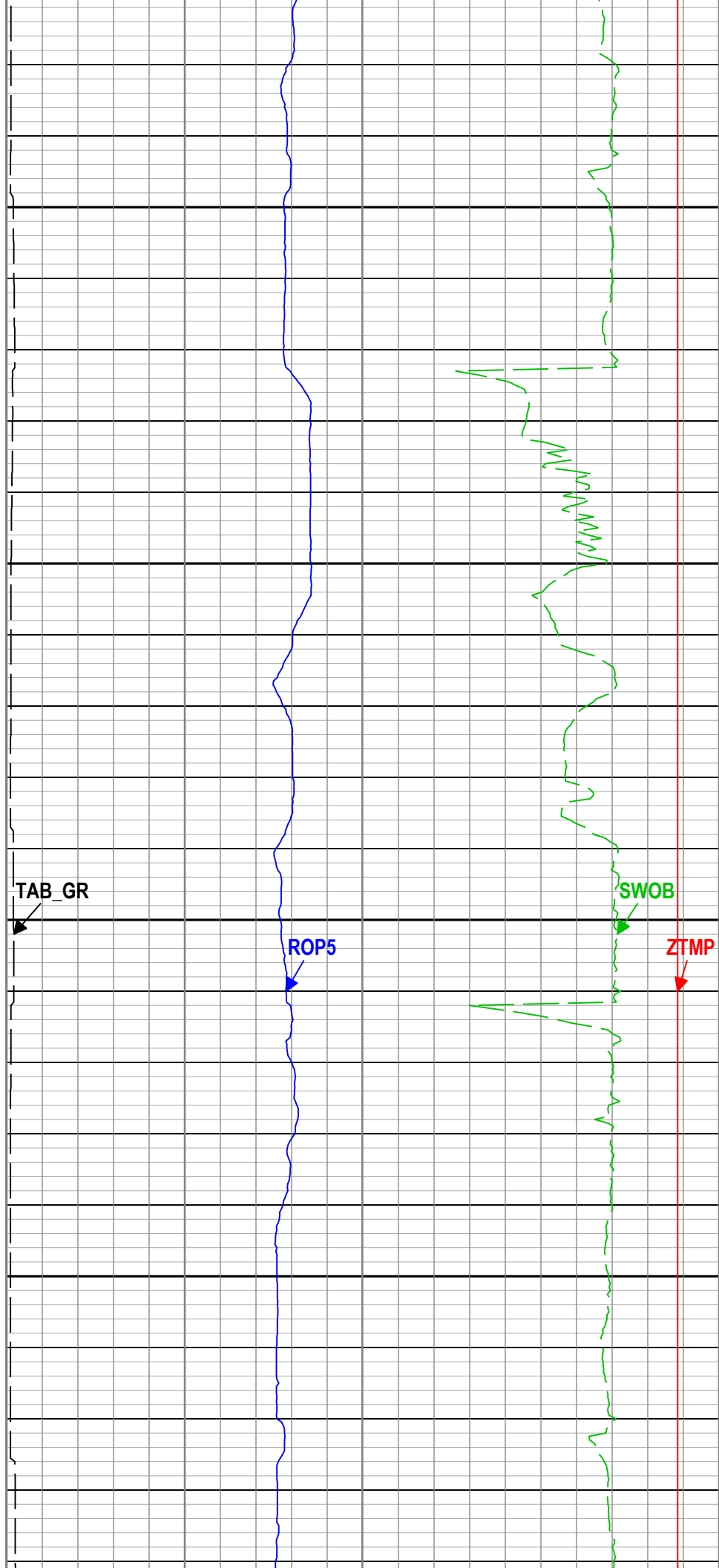
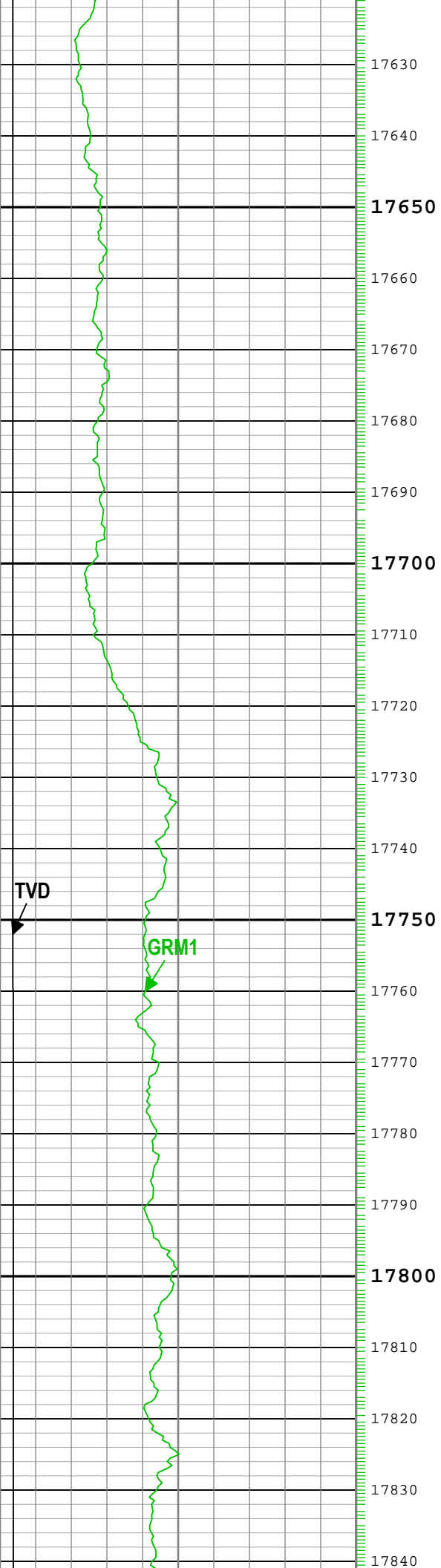


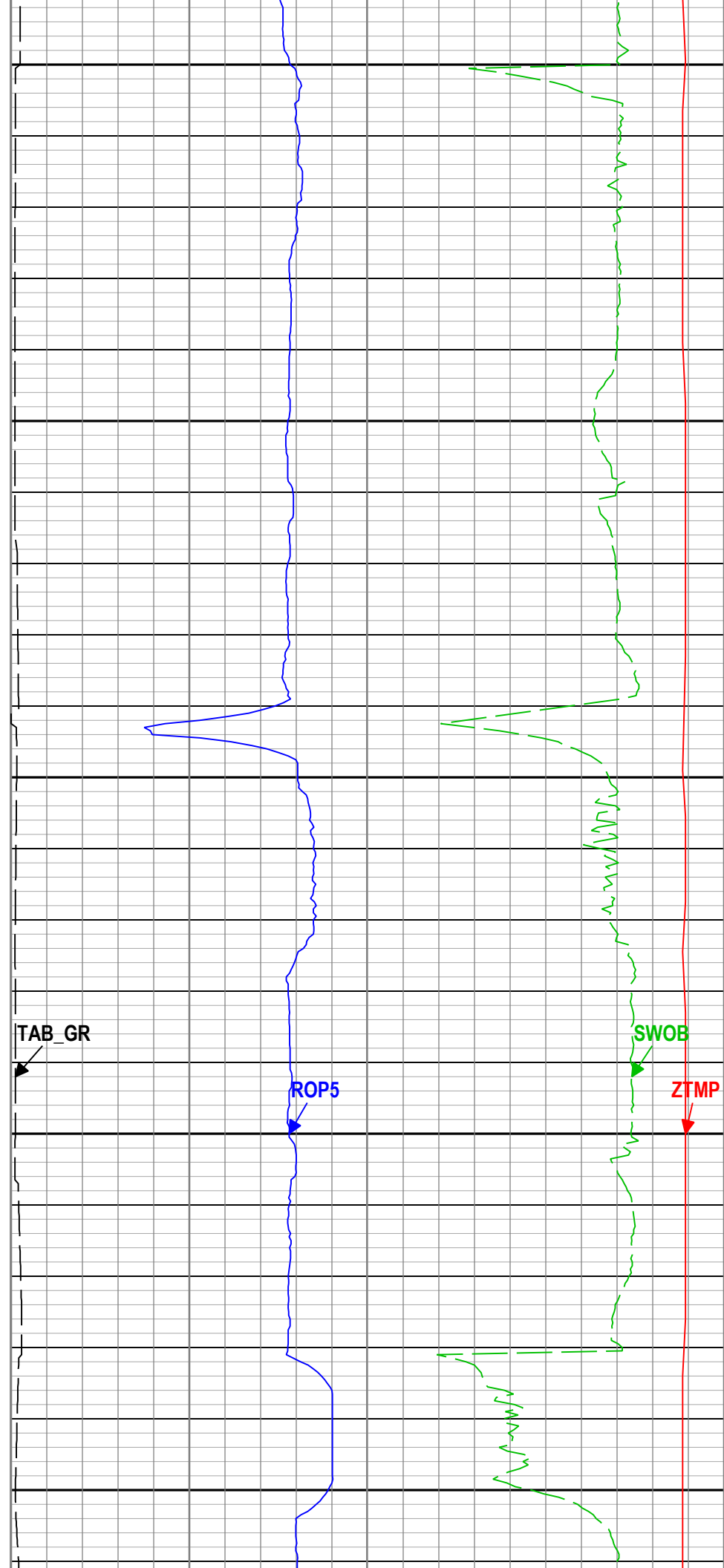
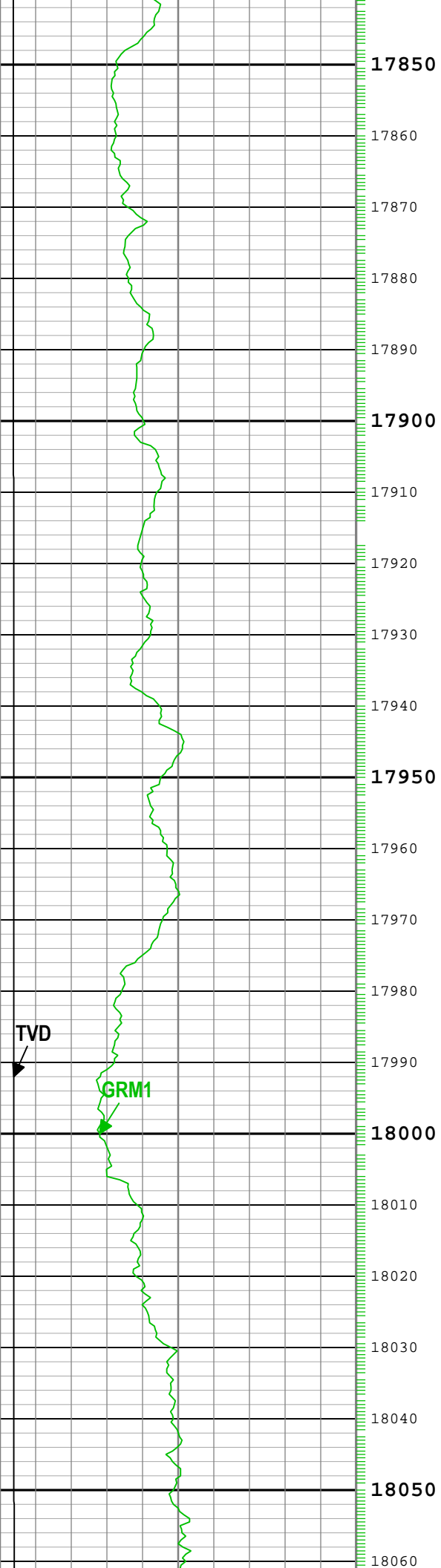


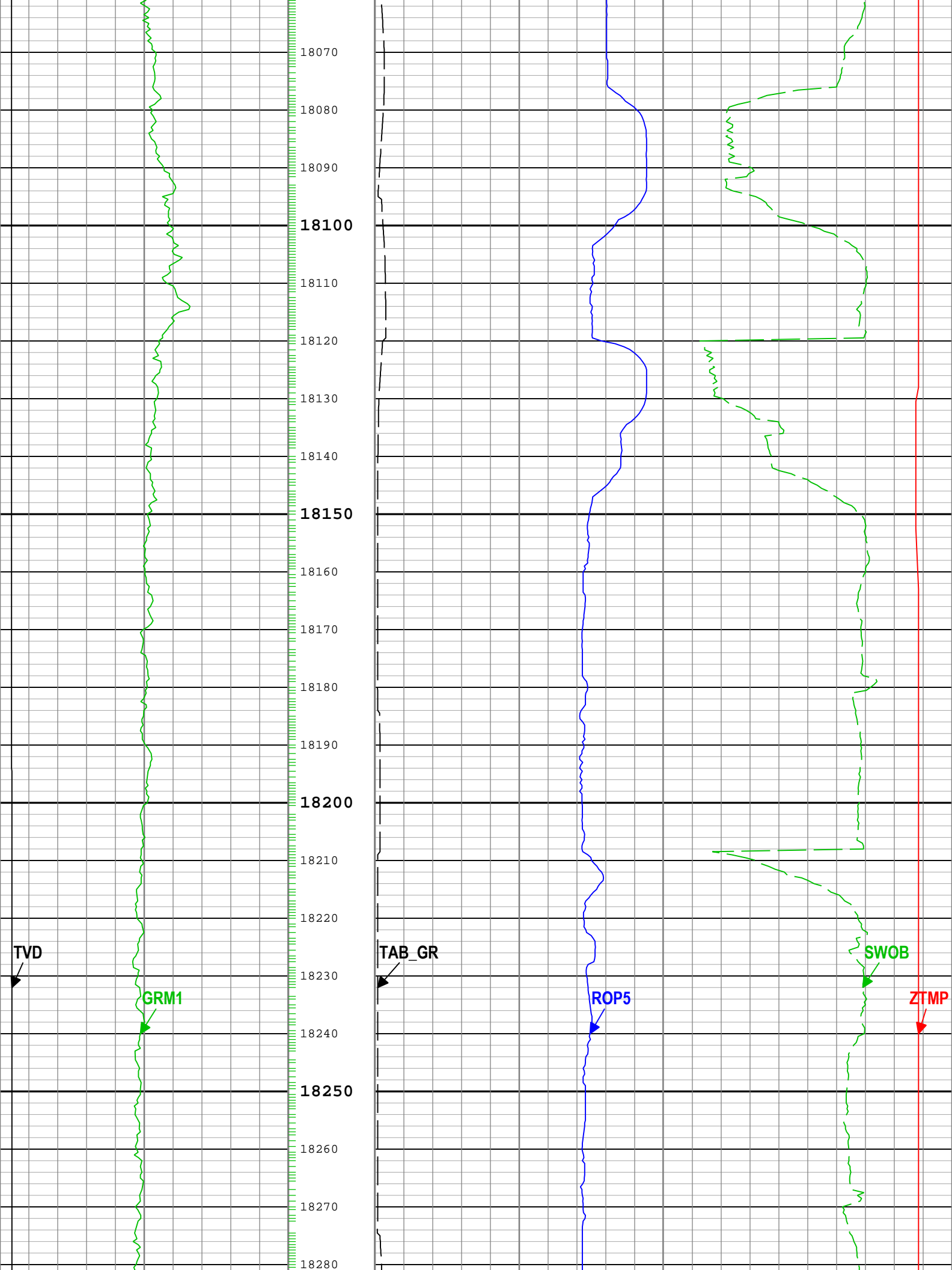


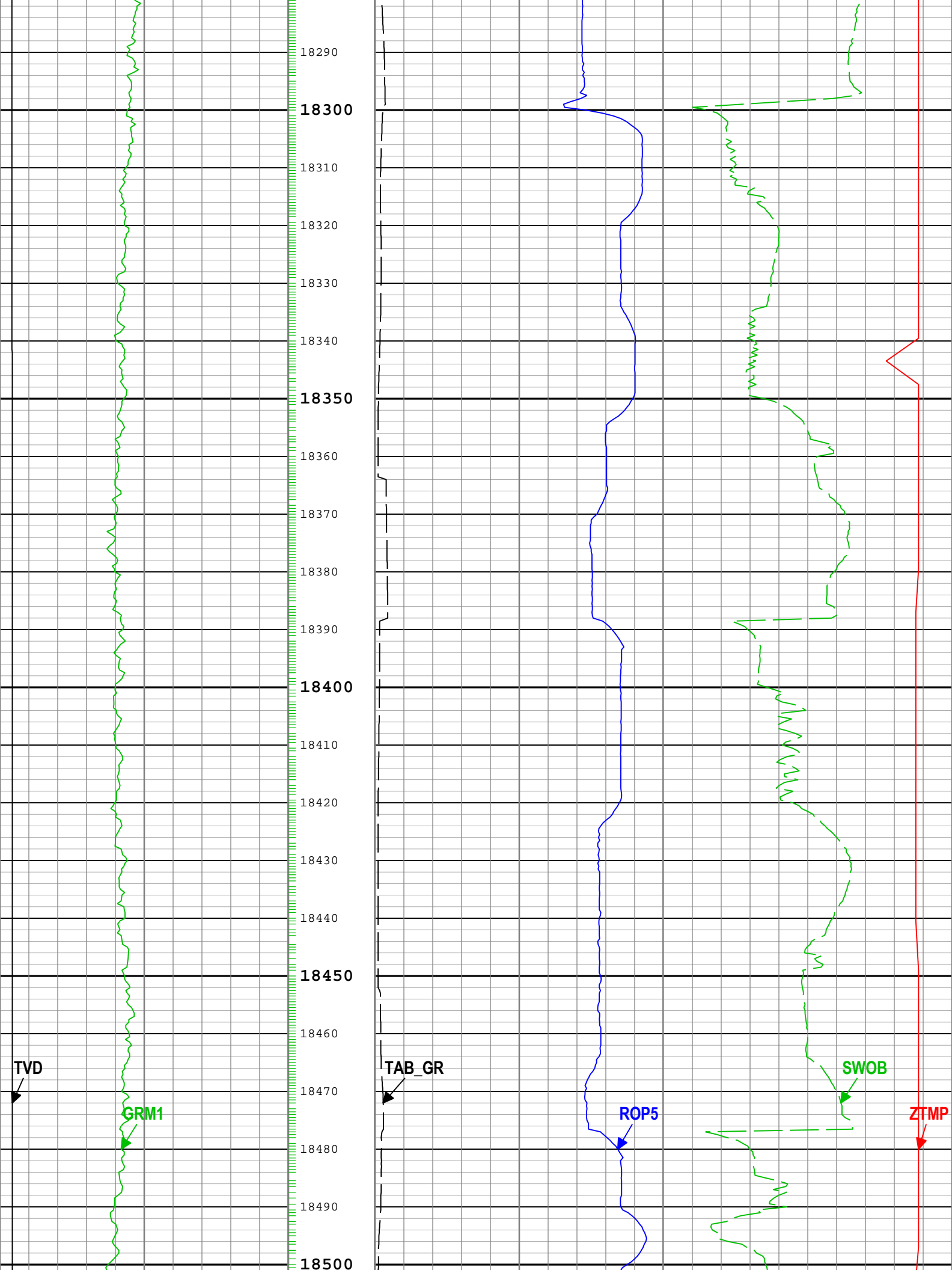


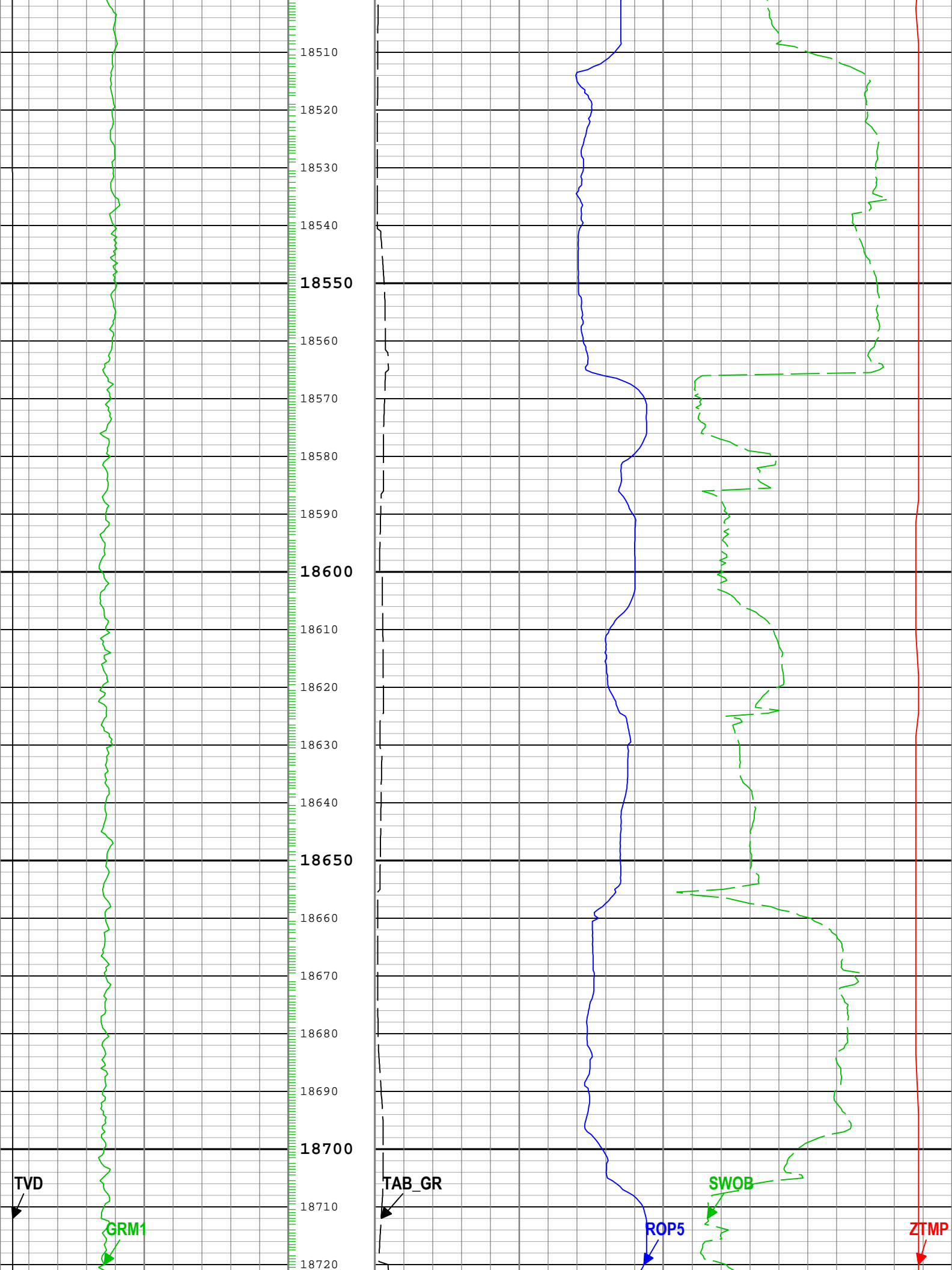


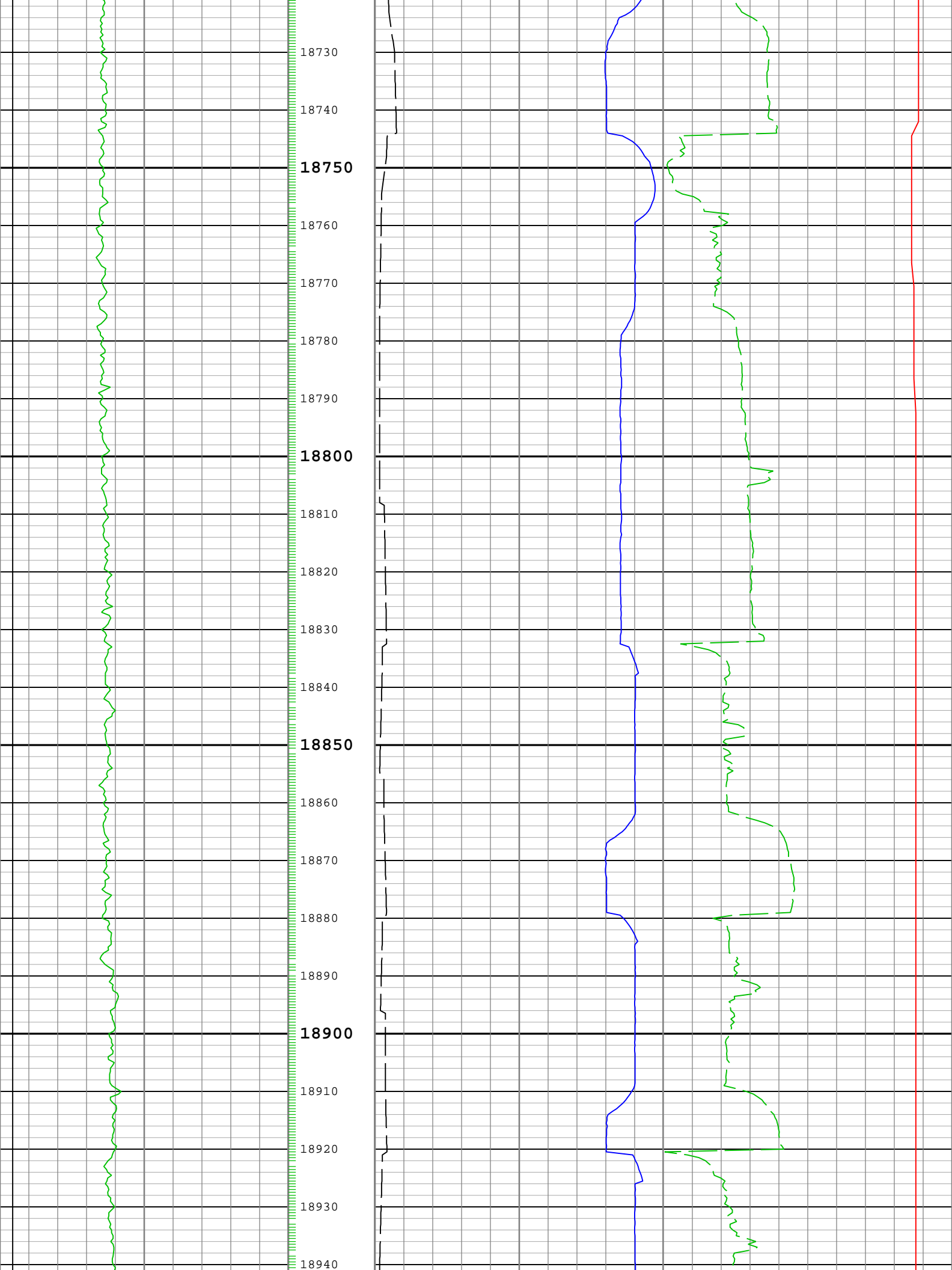


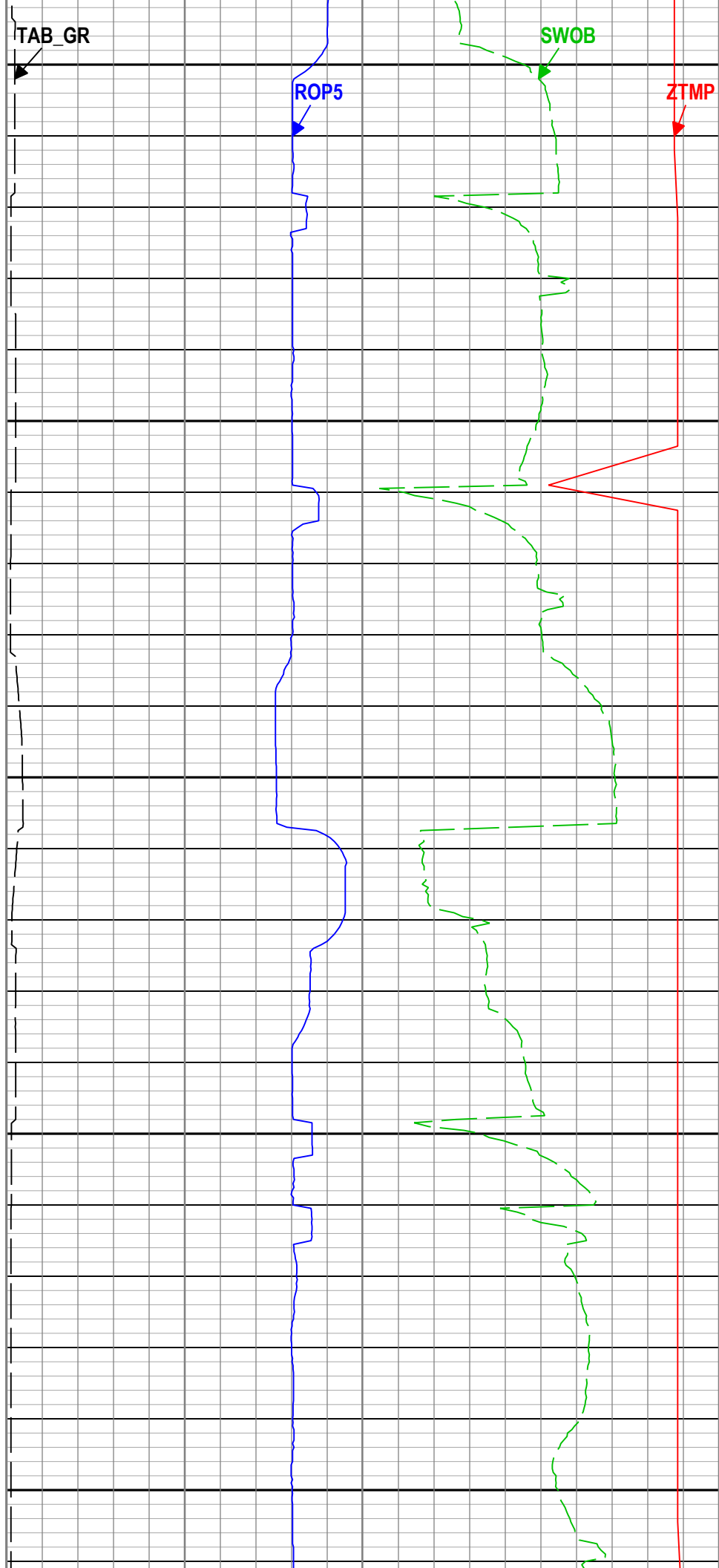
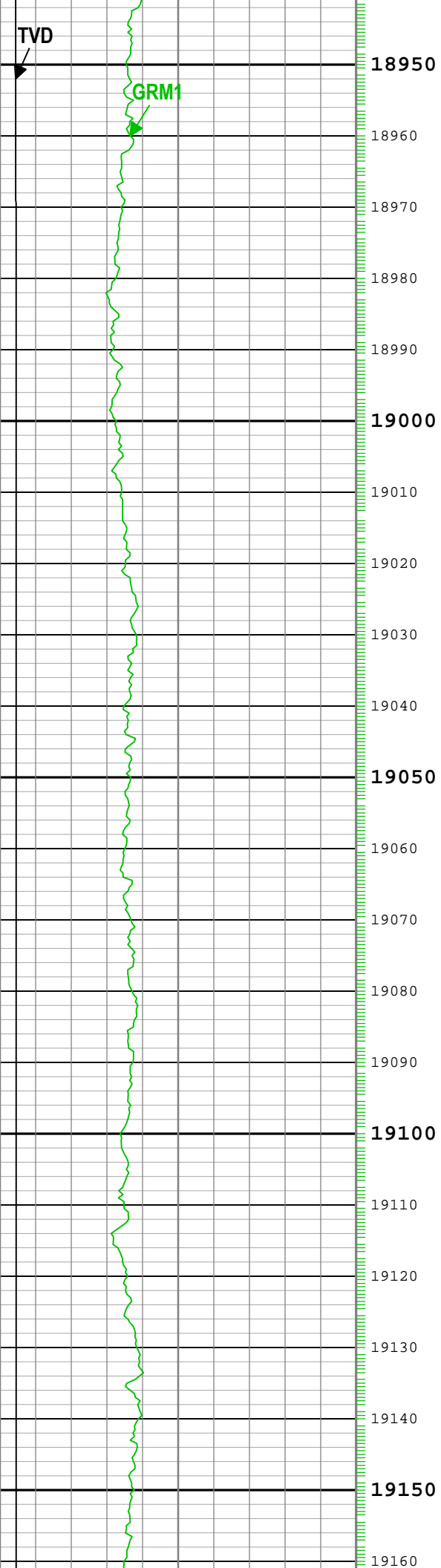


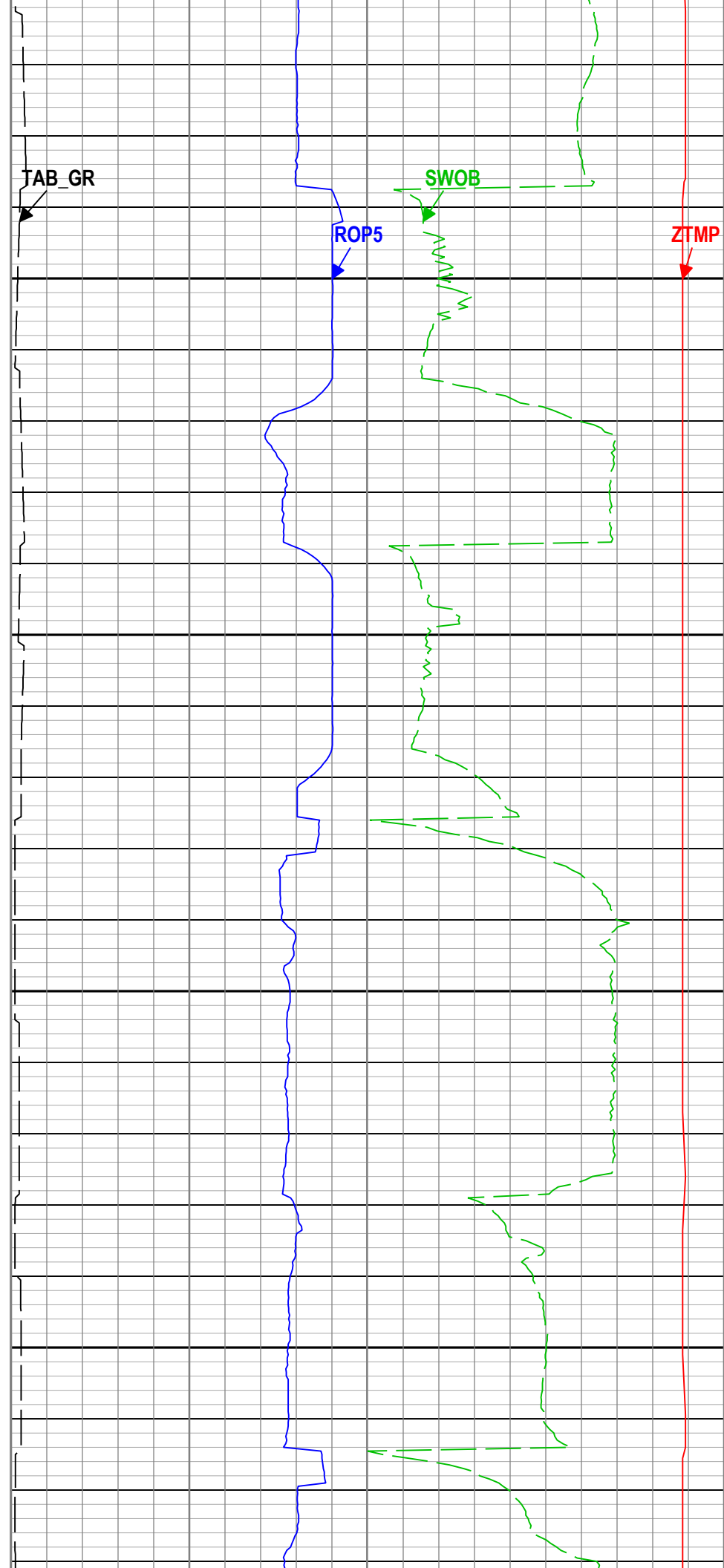
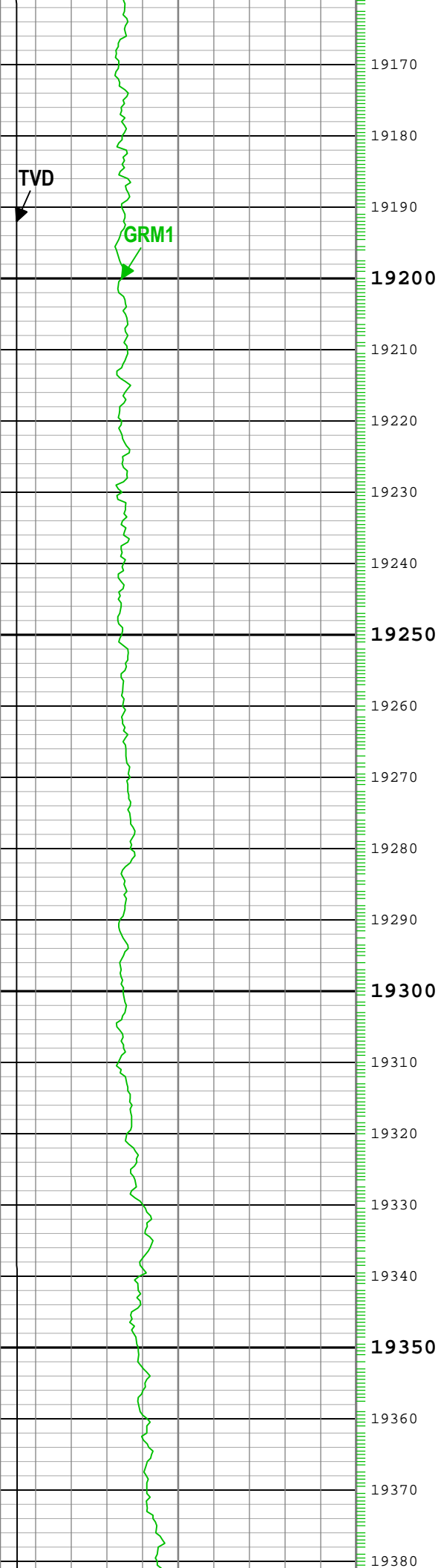


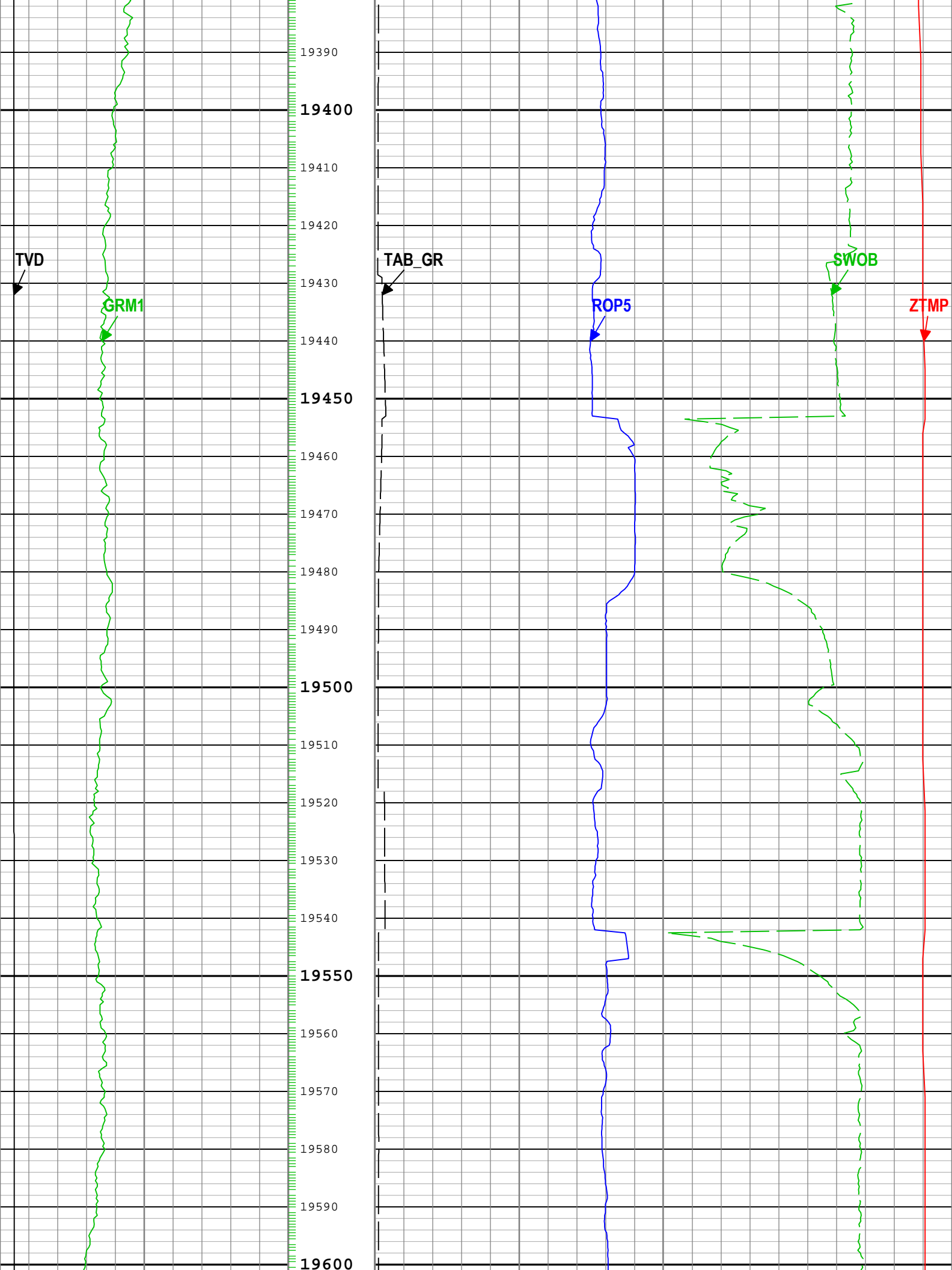


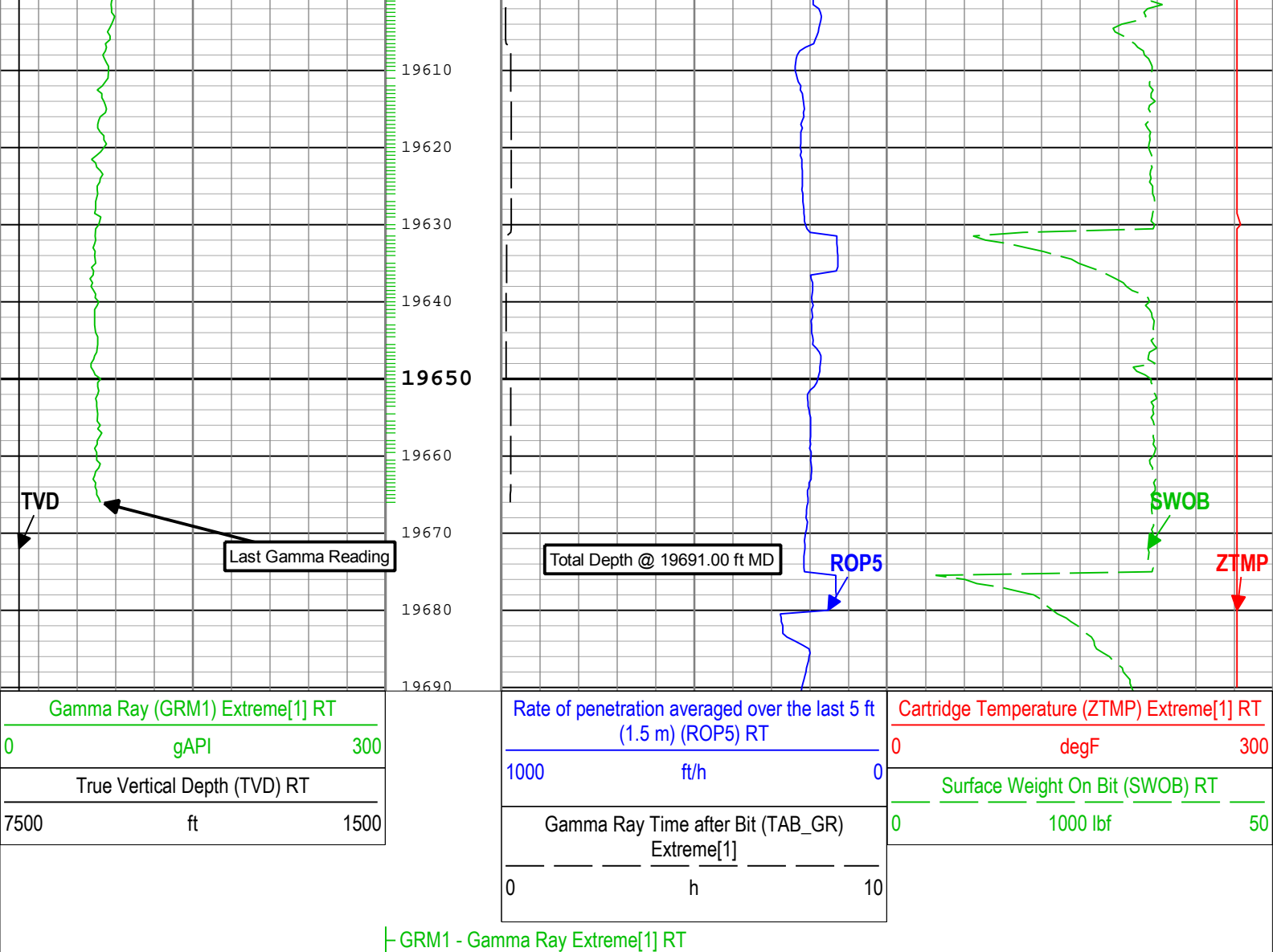












Description: Extreme Gamma Ray 1 RT Format: Log (Extreme Gamma Ray 1 RT) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 20-Nov-2019 06:50:22

Channel Processing Parameters

RUN001: Parameters

Parameter	Description	Tool	Value	Unit
BS	Bit Size	DNMSESSION	Depth Zoned	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	9.55	lbm/gal

RUN001Depth Zoned Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	13.5	2220	2258
BS	8.5	2258	5067.5

All depth are actual.

RUN002: Parameters

Parameter	Description	Tool	Value	Unit
BS	Bit Size	DNMSESSION	8.5	in
DEPTH_SEL	Depth Selection Parameter	DNMSESSION	Driller's Depth	
DFD	Drilling Fluid Density	Borehole	10.3	lbm/gal

Tool Control Parameters

RUN001: Parameters

RUN001: Parameters

Parameter	Description	Tool	Value	Unit
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RUN002: Parameters

Parameter	Description	Tool	Value	Unit
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Calibration Report				
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Company: Crestone Peak Resources Operating LLC

Well: Dream Weaver North 3E-21H-N268

Field: Wattenberg

County: Weld

State: Colorado

Country: United States of America



Schlumberger

XEM Gamma Ray
5in/100ft Measured Depth
Real Time, Composite Log