

Company: Crestone Peak Resources

Well: Hingley 1K-18H-A167

Field: Wattenburg

County: Weld

Country: Colorado

Country: USA

Latitude: 40° 3' 25.222" N

APIN:

05-123-47172

Longitude: 104° 55' 32.934" W

Rig Name:

Ensign 153

Rig Type:

Land Rig - Top Drive

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

FL1: Northing: 1264133.048 ft

FL2: Easting: 3160724.404 ft

Log Measured From: - Drill Floor: 5081.00 ft
Ground Level: 5058.00 ft

Permanent Datum: - Mean Sea Level

Acquisition Dates: 02-Nov-2019 -- 04-Nov-2019

Other Services:

Log Interval: 2565.00(ft) -- 12345.00(ft)

Directional Drilling

Index Types: Measured Depth

Direction and Inclination (Surveys)

Index Scales: 1:240 5" / 100'

Continuous D&I

Depth Source: Driller's Depth

Rotary Steerable System

Depth Sensor: PASON

Print Type: Final

Spud Date: 02-Nov-2019

Disclaimer

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Well Sketch

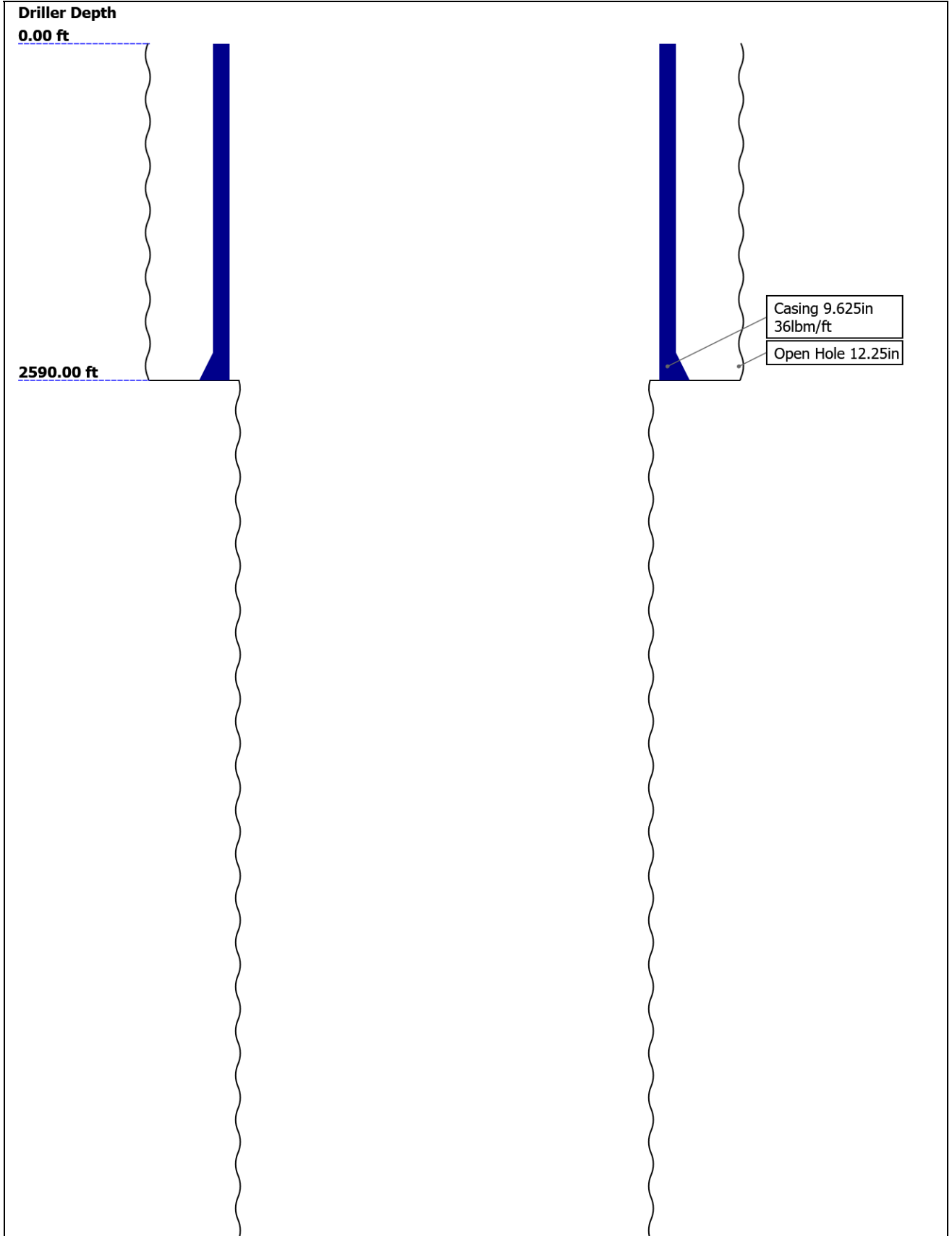
Driller Depth

0.00 ft

2590.00 ft

Casing 9.625in
36lbm/ft

Open Hole 12.25in





Borehole Size/Casing Record

Bit						
Bit Size (in)	12.25	8.5				
Top Driller (ft)	0	2590				
Bottom Driller (ft)	2590	12372.08				
Casing						
Size (in)	9.625					
Weight (lbm/ft)	36					
Inner Diameter (in)	8.921					
Grade	N/A					
Top Driller (ft)	0					
Bottom Driller (ft)	2590					

Operational Run Summary

Parameter (unit)	Run001					
Date Log Started	01-Nov-2019					
Time Log Started	22:13:02					
Date Log Finished	04-Nov-2019					
Time Log Finished	15:36:08					
Bit Size (in)	8.500					
Bit Start Depth (ft)	2590.00					
Bit Stop Depth (ft)	12372.08					
Top Log Interval (ft)	2565.00					
Bottom Log Interval (ft)	12345.00					
Max Hole Deviation (deg)	91.69					
Azimuth of Max Deviation (deg)	181.19					
Logging Unit Number	Client Provided					
Logging Unit Location	Zone 2					
Recorded By	K.Key					
Witnessed By	D.Jones					
Service Order Number	19CCO1501					

Borehole Fluids

Parameter(unit)	Run001					
Fluid Type	Oil					
Max Recorded Temperatures (degF)	222					
Source of Sample	Active Tank					
Salinity (ppm)	258609					
Density (lbm/gal)	10.3					
Funnel Viscosity (s)	43					
Fluid Loss (cm3)	44					
PH						
Source RMF						
RMC	Pressed					
RM @ Meas Temp (ohm.m@degF)	N/A					
RMF @ Meas Temp (ohm.m@degF)	N/A					
RMC @ Meas Temp (ohm.m@degF)	N/A					
RM @ BHT (ohm.m@degF)	N/A					
RMF @ BHT (ohm.m@degF)	N/A					
RMC @ BHT (ohm.m@degF)	N/A					
Electricity Stability (V)	510					
Oil/Water	79/21 (3.76)					
Total Solid (%)	14.9					
High Gravity Solids (%)	7.4					

Run001: Toolstring				Run001: Remarks
Equip name Filtr Sub: 6 3/4":SD 117514	Length 126.04	MP name Diffuser Sub	Offset	All data presented is from Real Time and acquired while drilling.
Motor: 6 3/4":7118	94.97	Hunting		Depth is referenced to Driller's Depth.
				Barite was present in the mud.
				Run Objective: Drill curve and lateral to Well TD.
				Reason to POOH: Well TD.
				Drill Interval: 2590 ft MD to 12372 ft MD.
				Log Interval: 2565 ft MD to 12345 ft MD.
				MWD Personnel: K.Key
Flex DC: 6 3/4":SD 56377	56.34	Flex Pony		

Run001: Remarks

All data presented is from Real Time and acquired while drilling.

Depth is referenced to Driller's Depth.

Barite was present in the mud.

Run Objective: Drill curve and lateral to Well TD.

Reason to POOH: Well TD.

Drill Interval: 2590 ft MD to 12372 ft MD.

Log Interval: 2565 ft MD to 12345 ft MD.

MWD Personnel: K.Key

[illegible]

XEM650:SD56520 **41.53**
GAP650:GSBR0898
XEM650DC:SD56520
DPG:DDRP076
XHOP:XHOP1040
XTX:HVTX0891
DYN:SOCD1377
BAT:2293/2078/2812
XGM:XGM0940
DNI:SOCD1377

— **INT PRES** **38.82**
— **ANN PRES** **38.67**
— **TEMP** **38.67**

— **GR** **25.19**

— **D&I** **20.6**

PDCOPIBANA_675: **12.84**
ENP-075
PD675CC
Impeller Set
Gamma Set
PDCU
PDCOPIBANA675BU:E
NP-075

— **Azimuth** **7.92**

— **D&I** **5.72**

— **GR** **4.92**

— **Anchor Bolt** **2.52**

Bit: 8 1/2":JN7878 **0.58**

 **Smith**
— **TOOL_ZERO**

Lengths are in ft
Maximum Outer Diameter = 8.500 in
Line: Sensor Location, Value: Gating Offset
All measurements are relative to TOOL_ZERO

Composite 1

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run001	Ream Down 1	Down	11877.25 ft	12060.58 ft	04-Nov-2019 3:31:30 AM	04-Nov-2019 4:13:13 AM	No
Run001	Drilling	Down	2590.00 ft	12372.08 ft	02-Nov-2019 5:35:32 AM	04-Nov-2019 3:36:08 PM	No

All depths are referenced to toolstring zero

Log

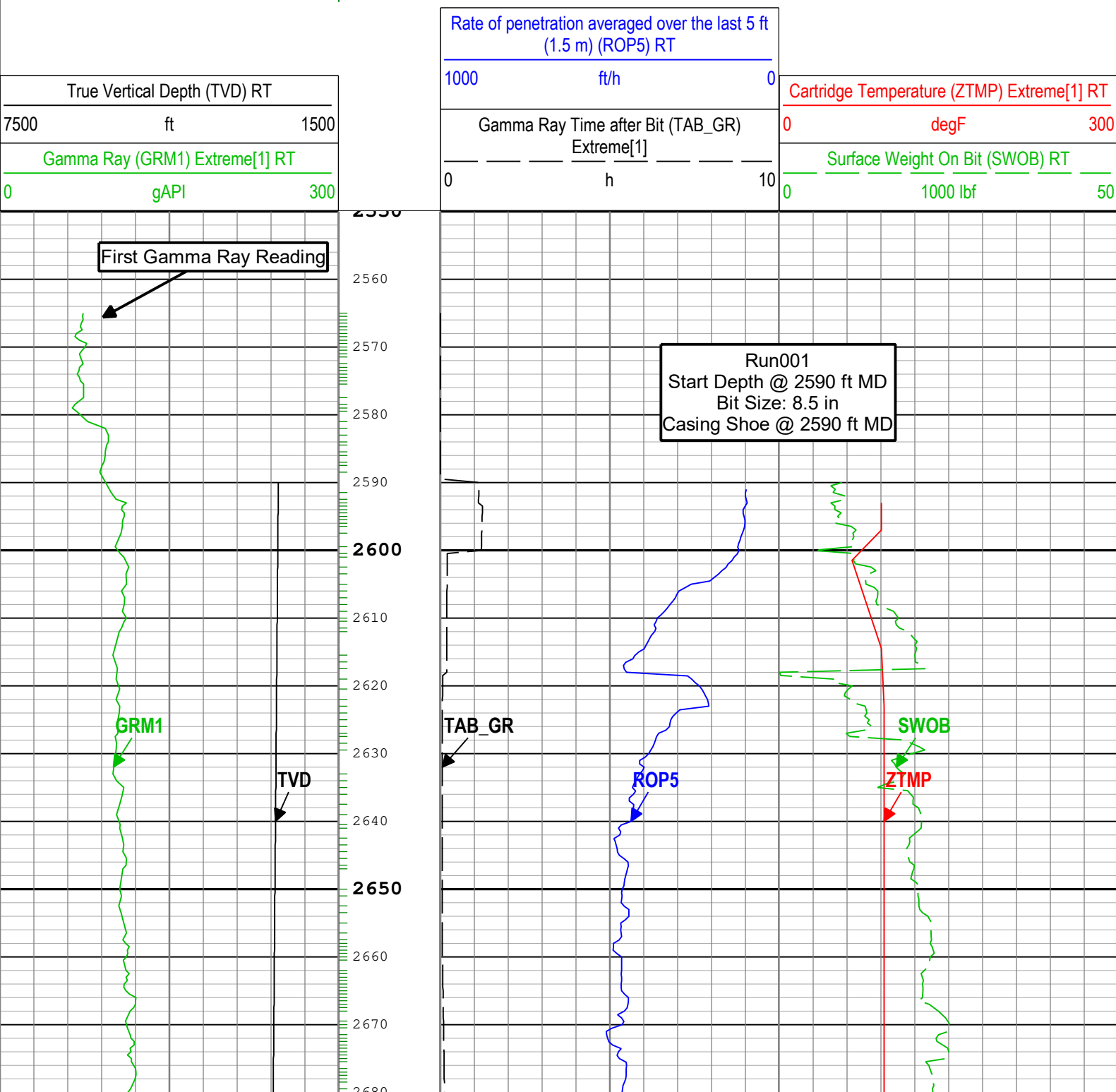
Company: Crestone Peak Resources

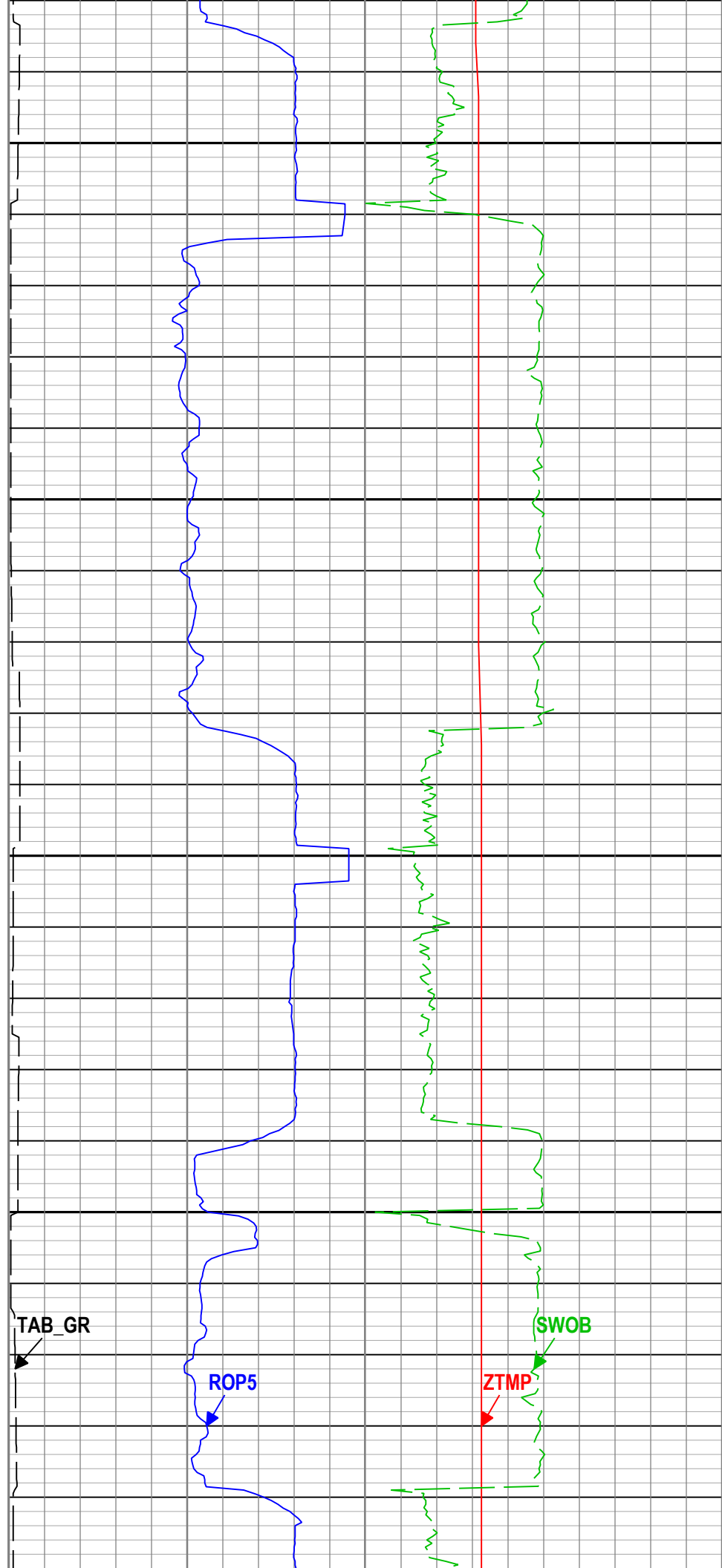
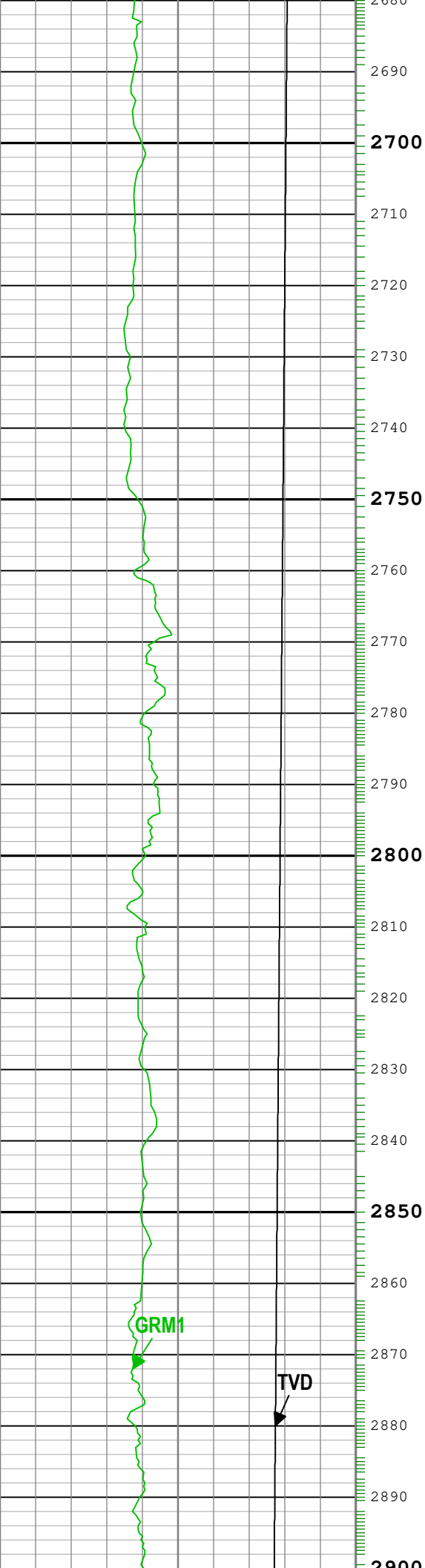
Well: Hingley 1K-18H-A167

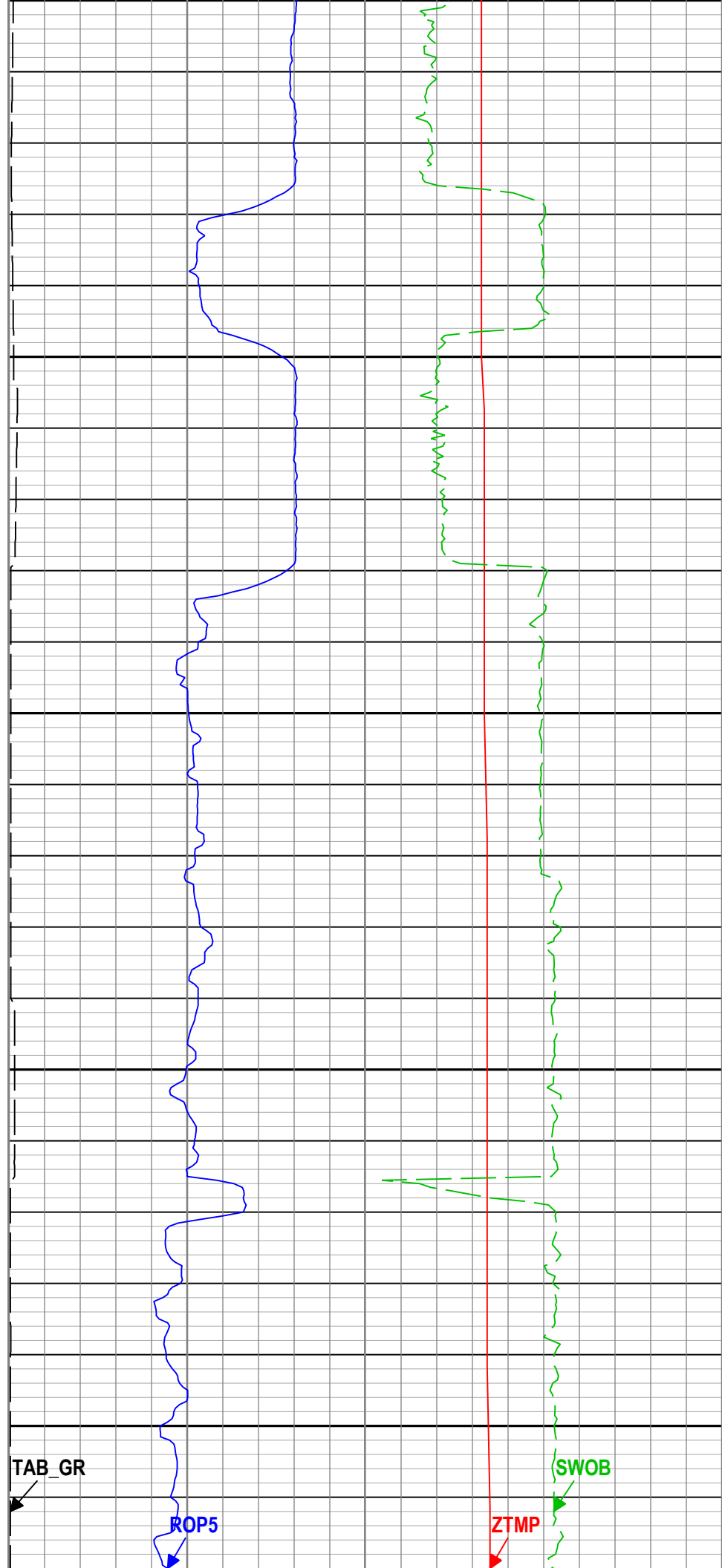
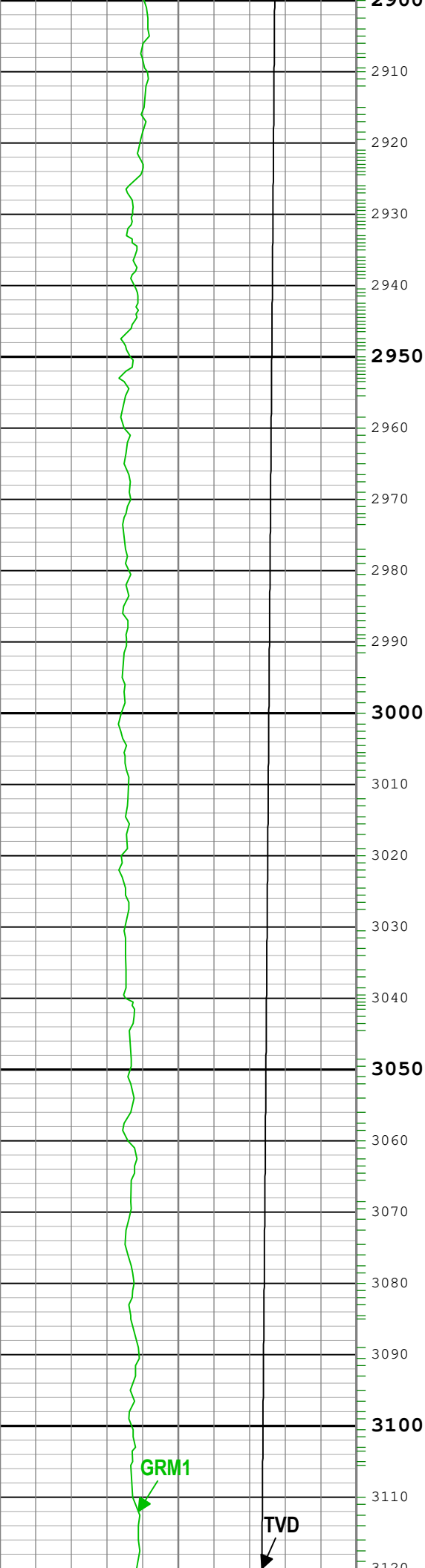
Composite 1:S120

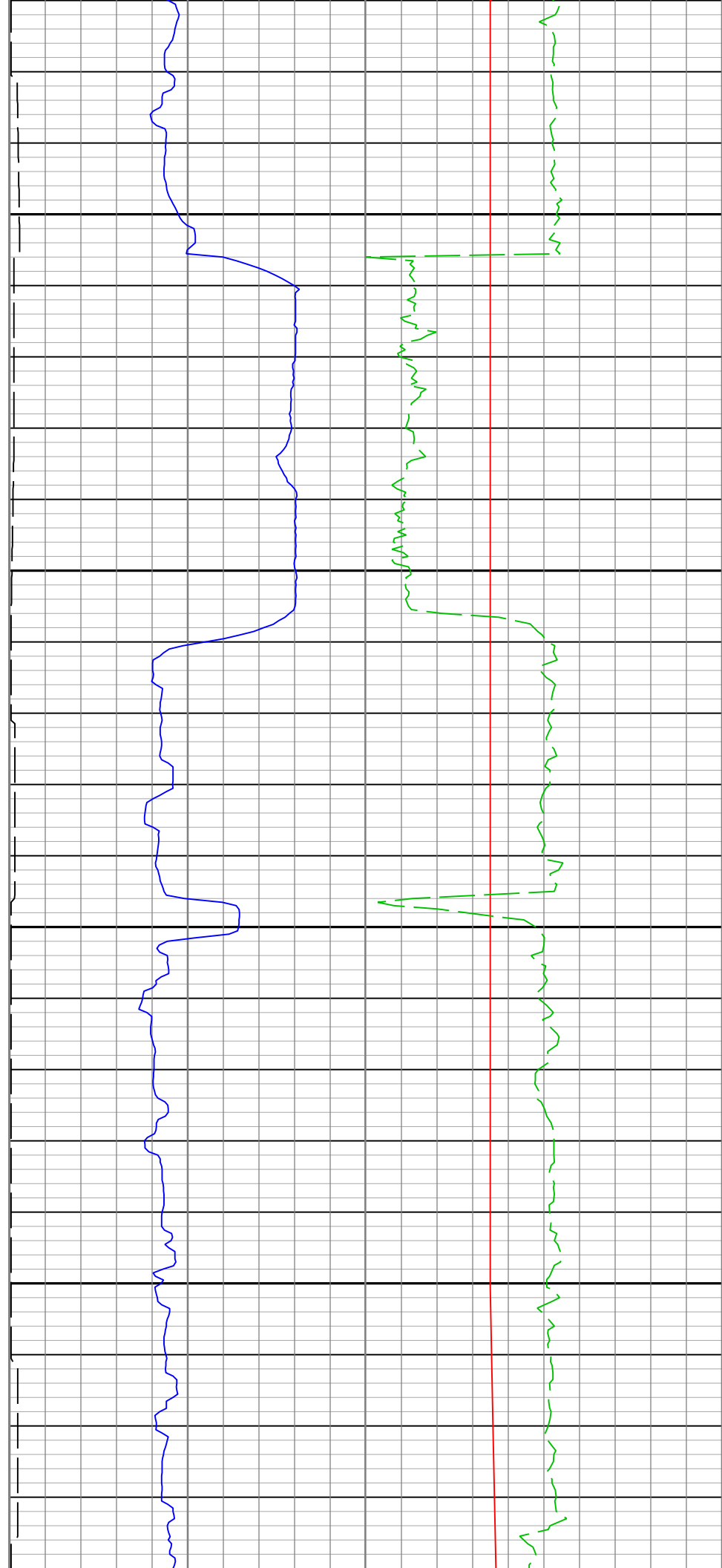
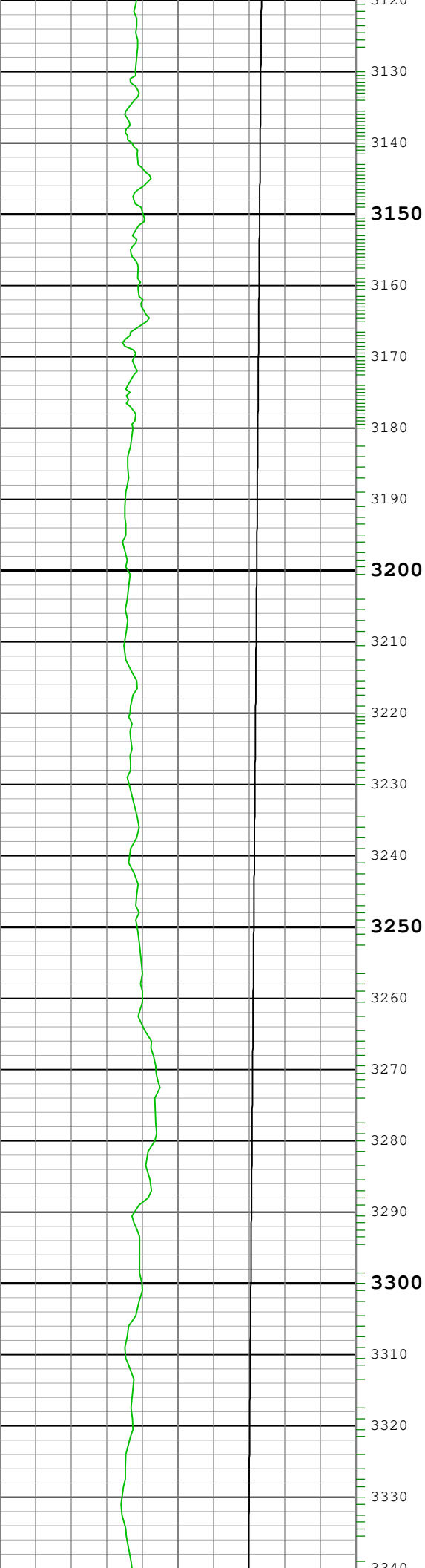
Description: Extreme Gamma Ray 1 RT Format: Log (Extreme Gamma Ray 1 RT) Index Scale: 5 in per 100 ft Index Unit: ft Index Type: Measured
Depth Creation Date: 06-Nov-2019 18:06:12

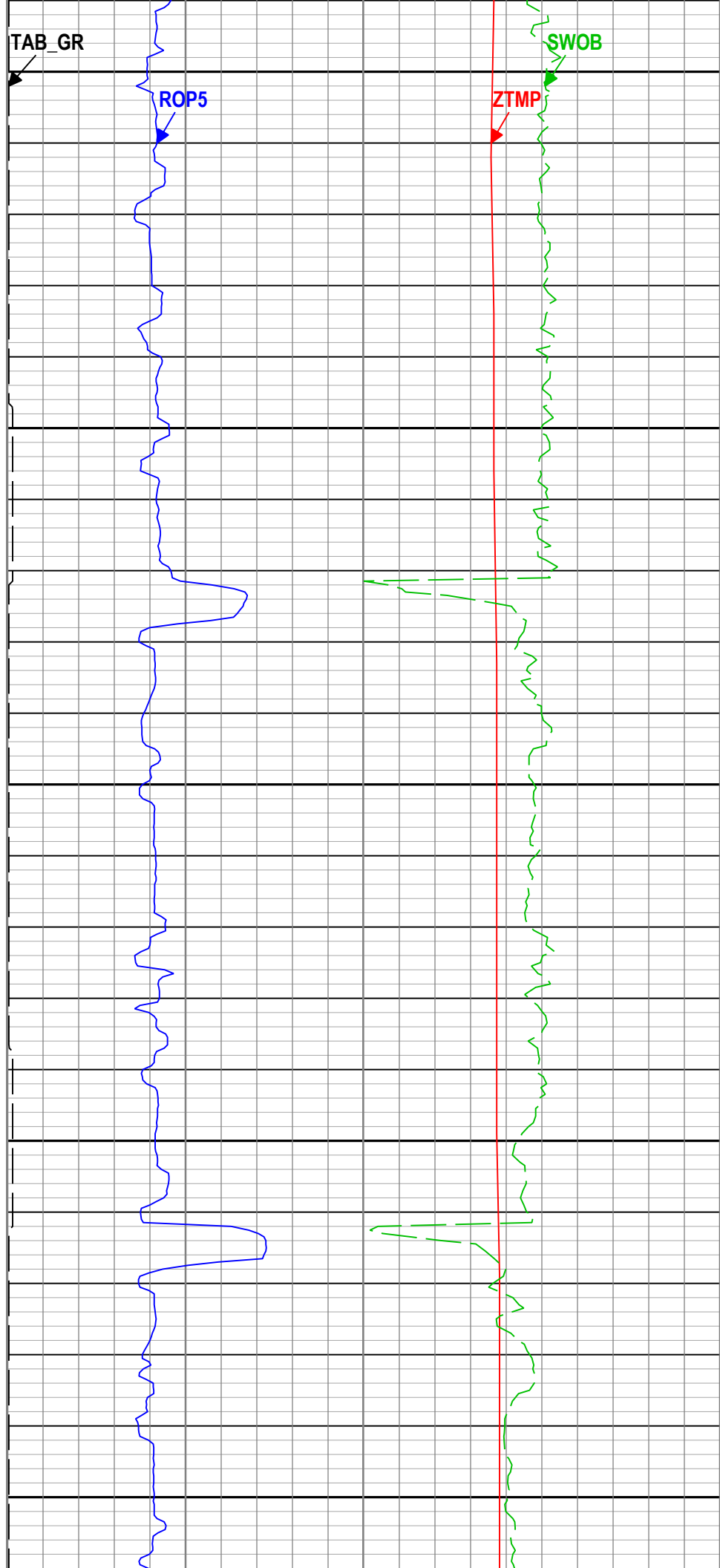
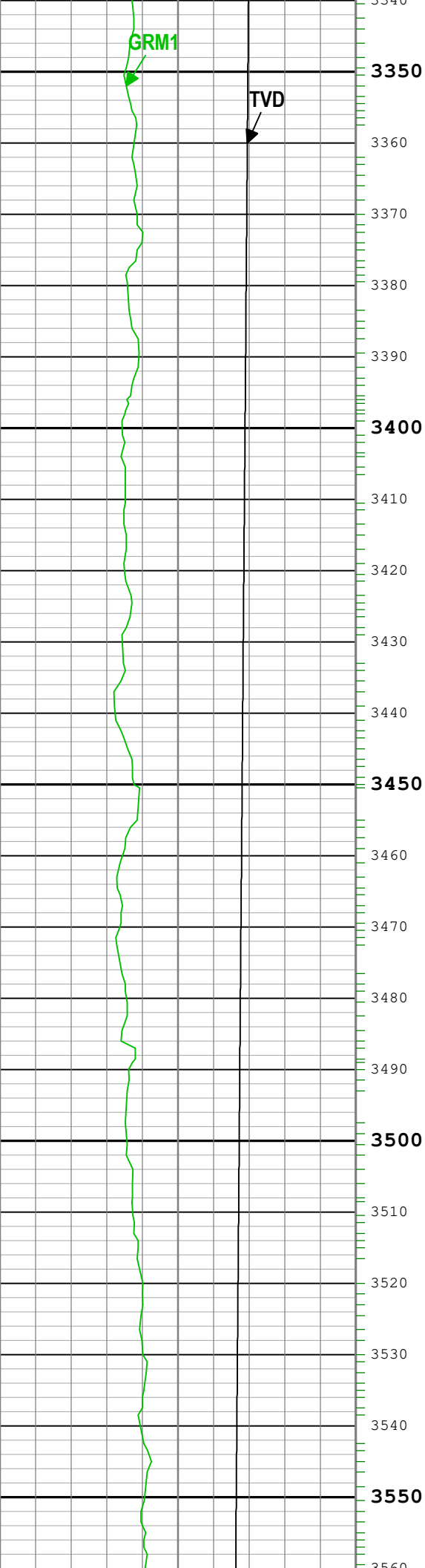
GRM1 - Gamma Ray Extreme[1] RT

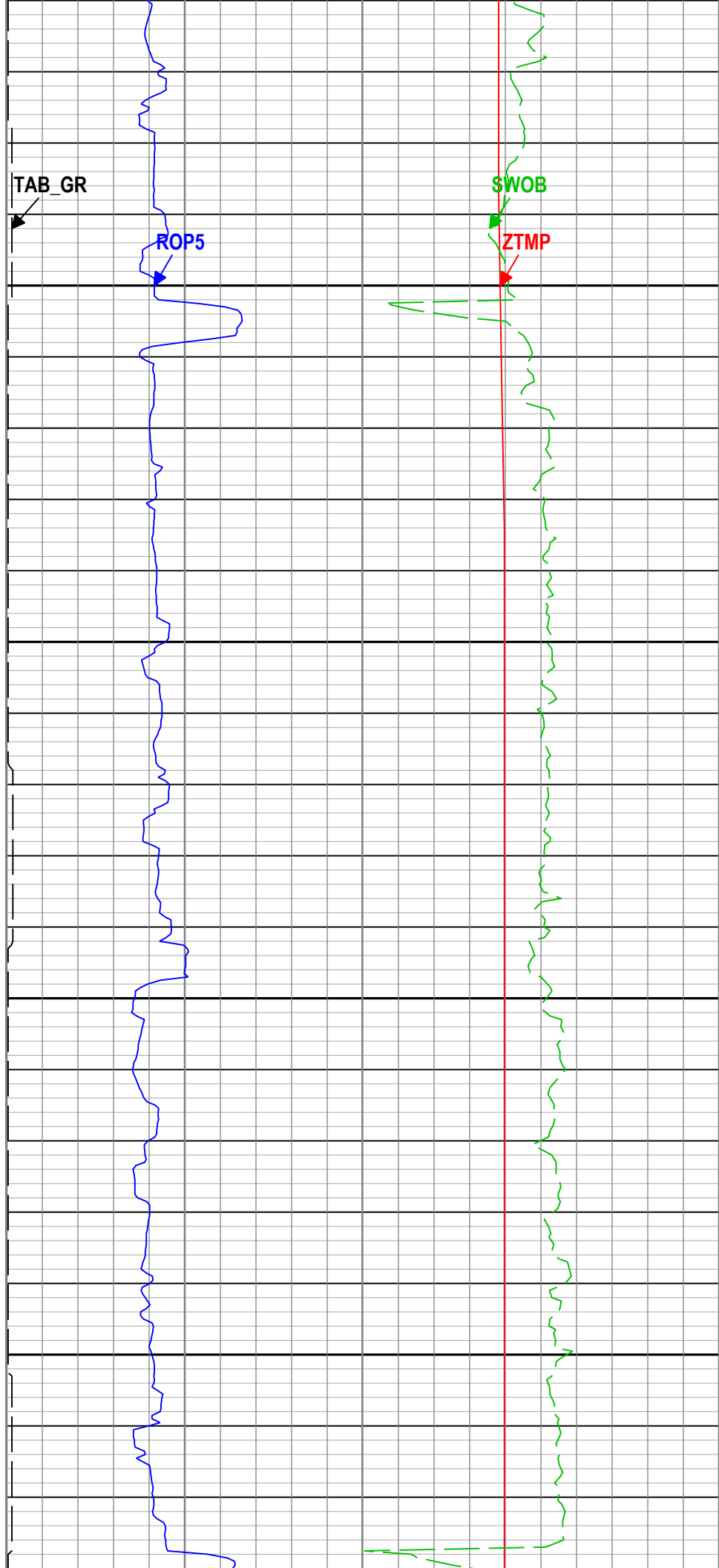
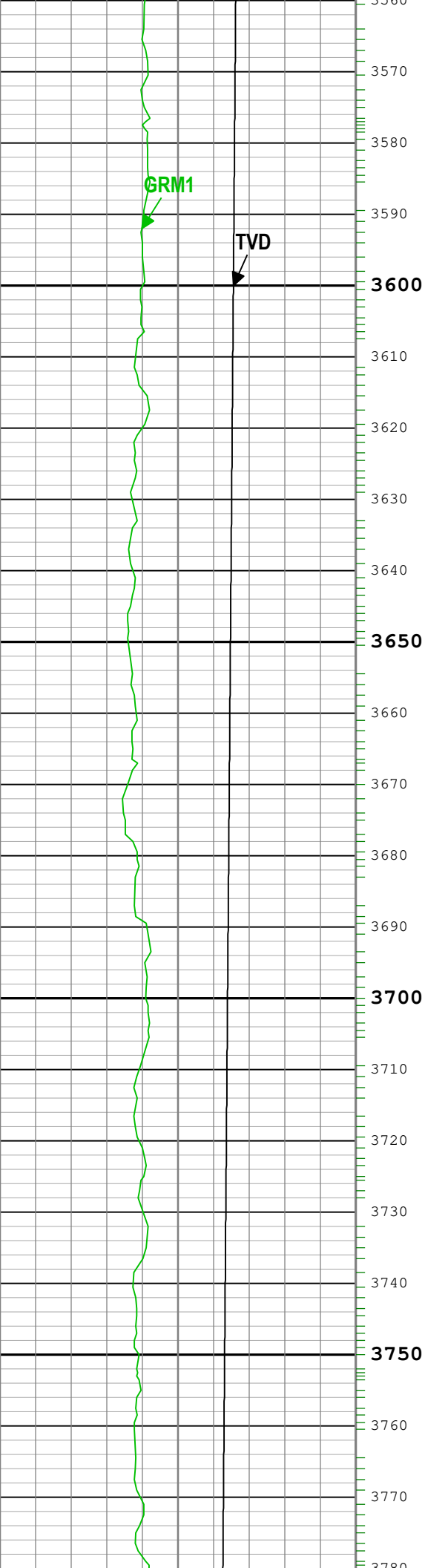


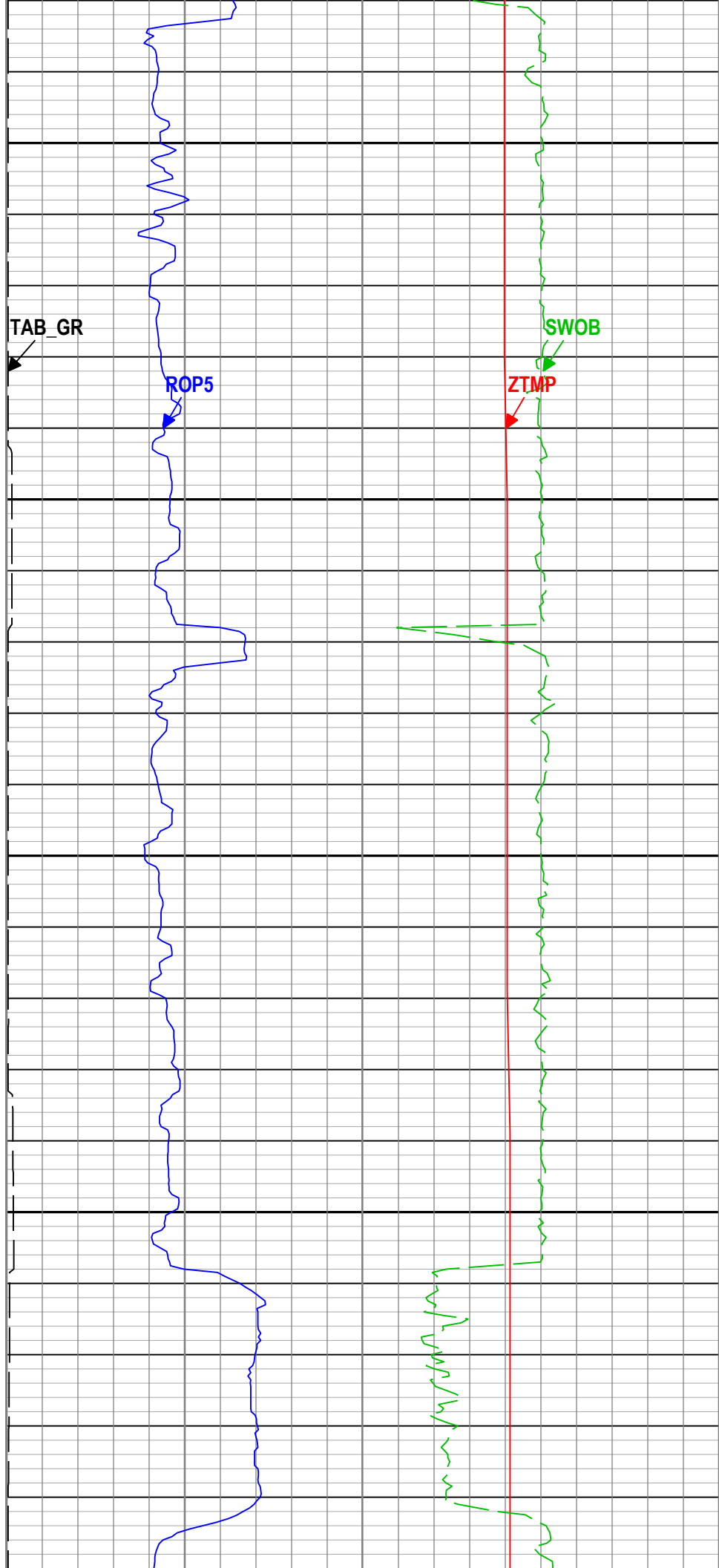
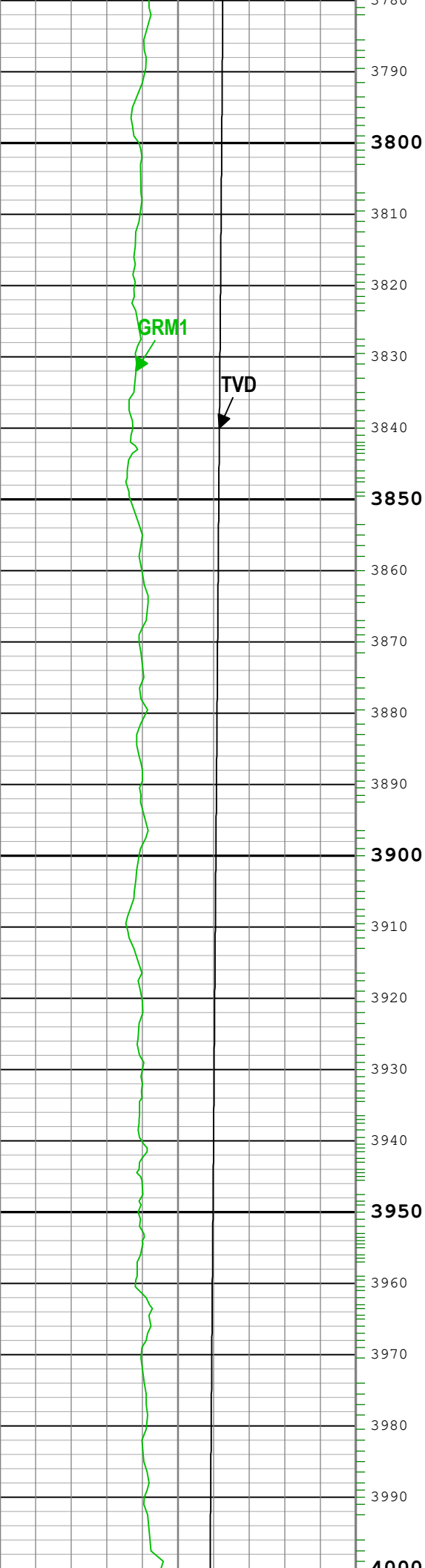


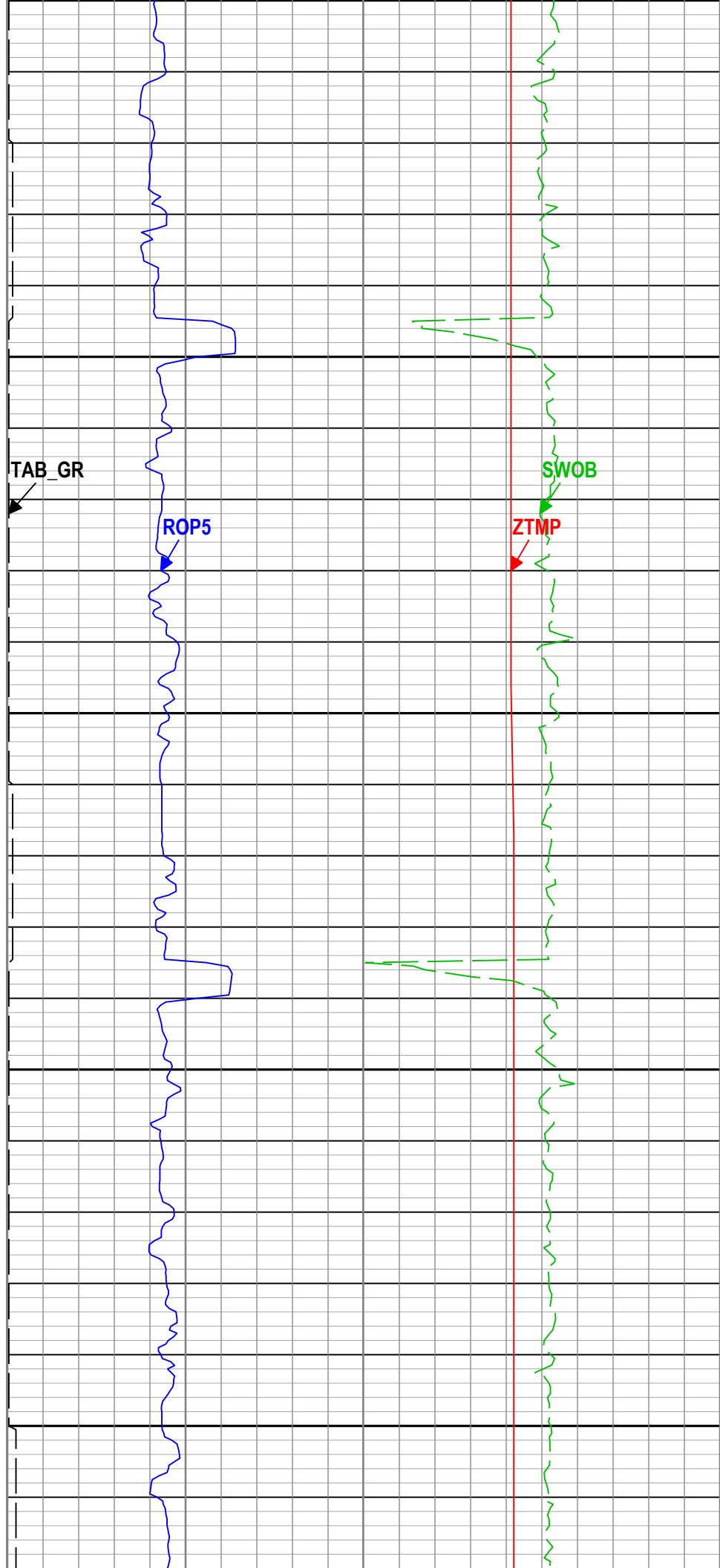
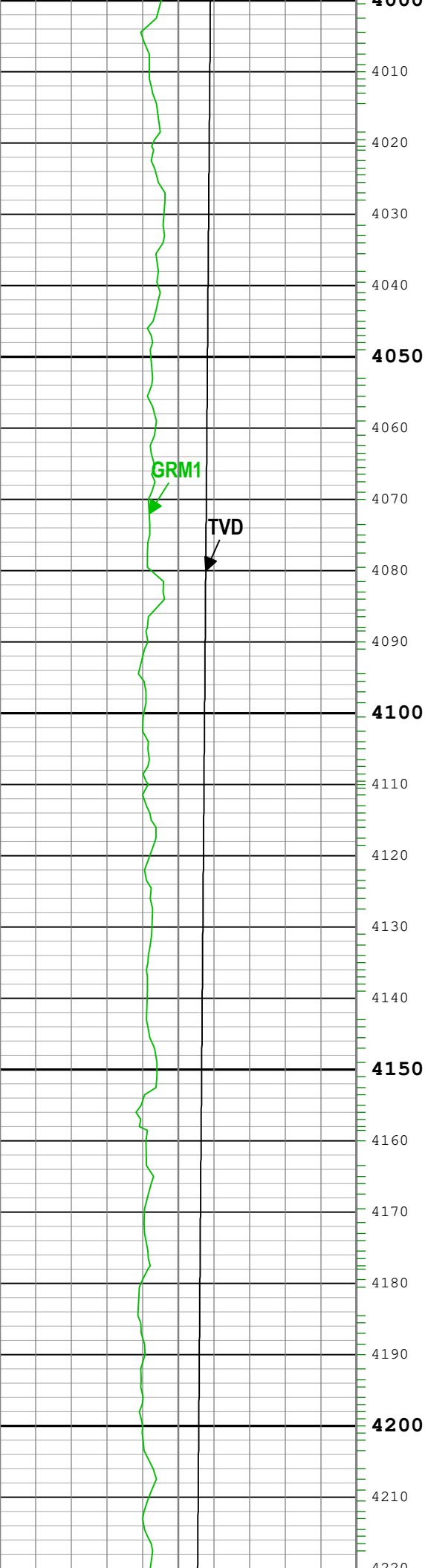


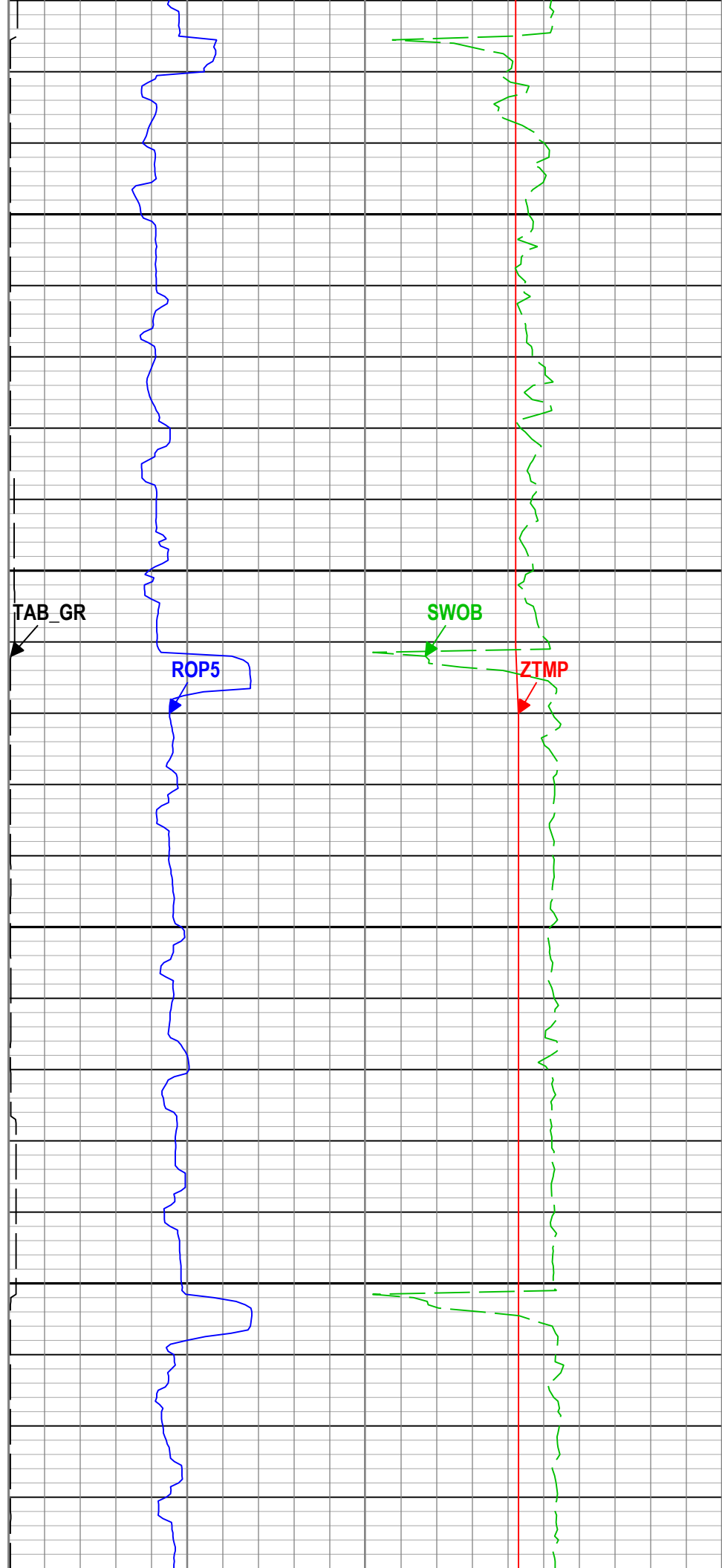
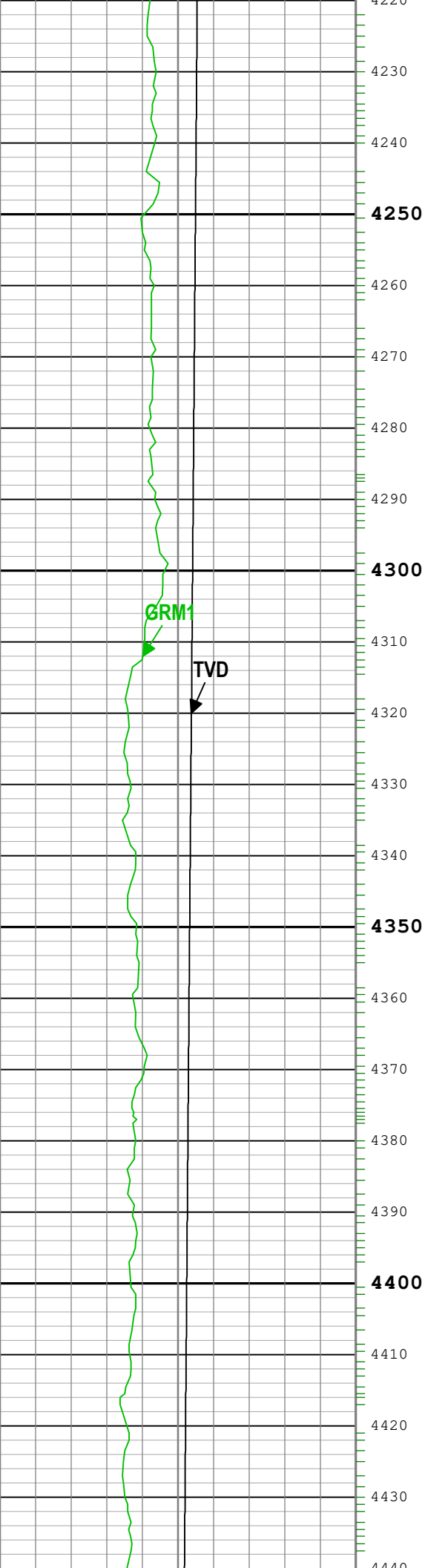


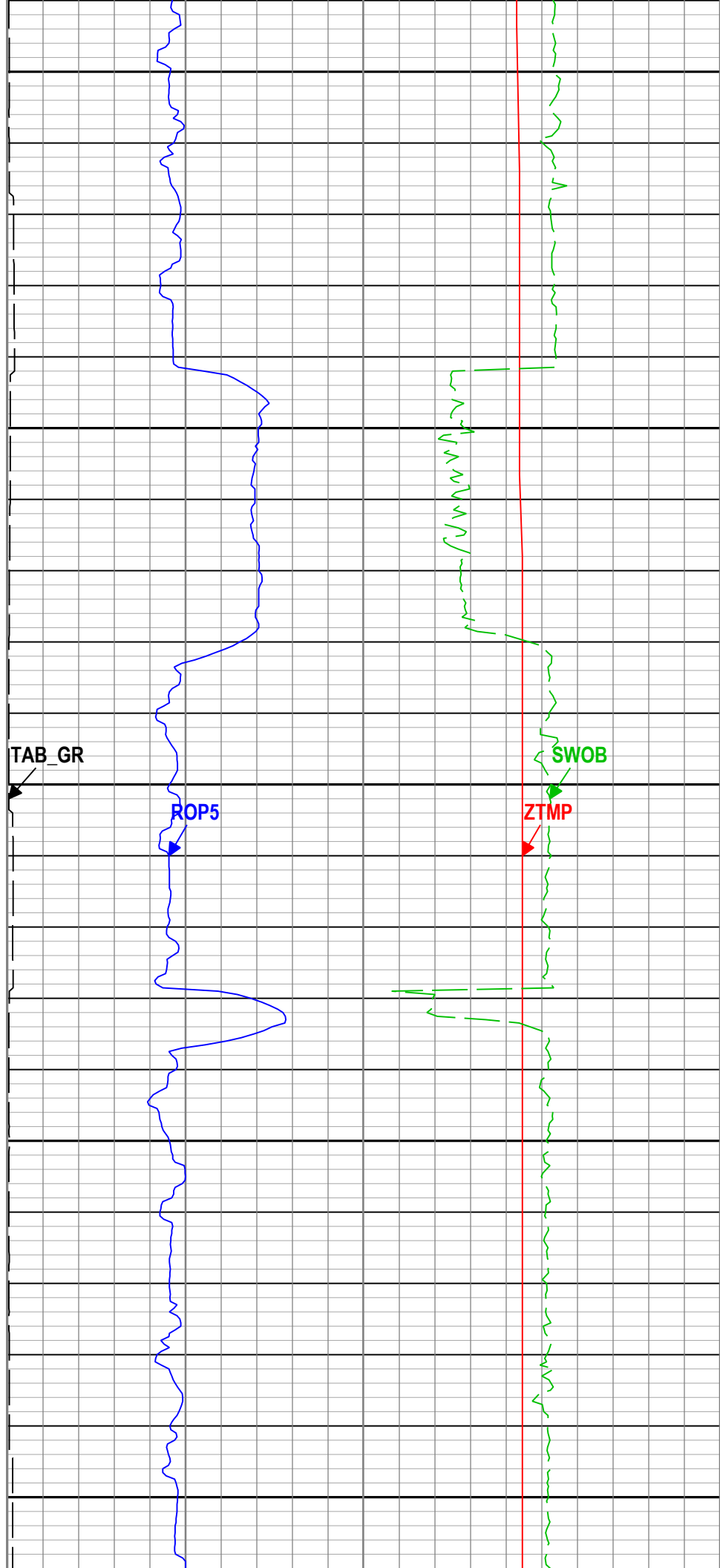
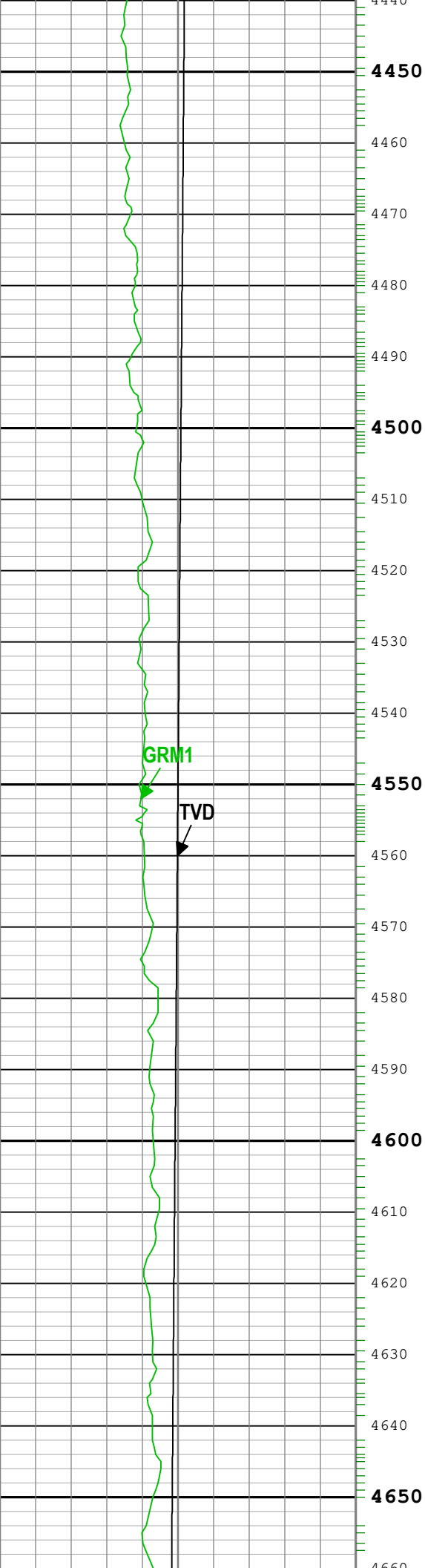


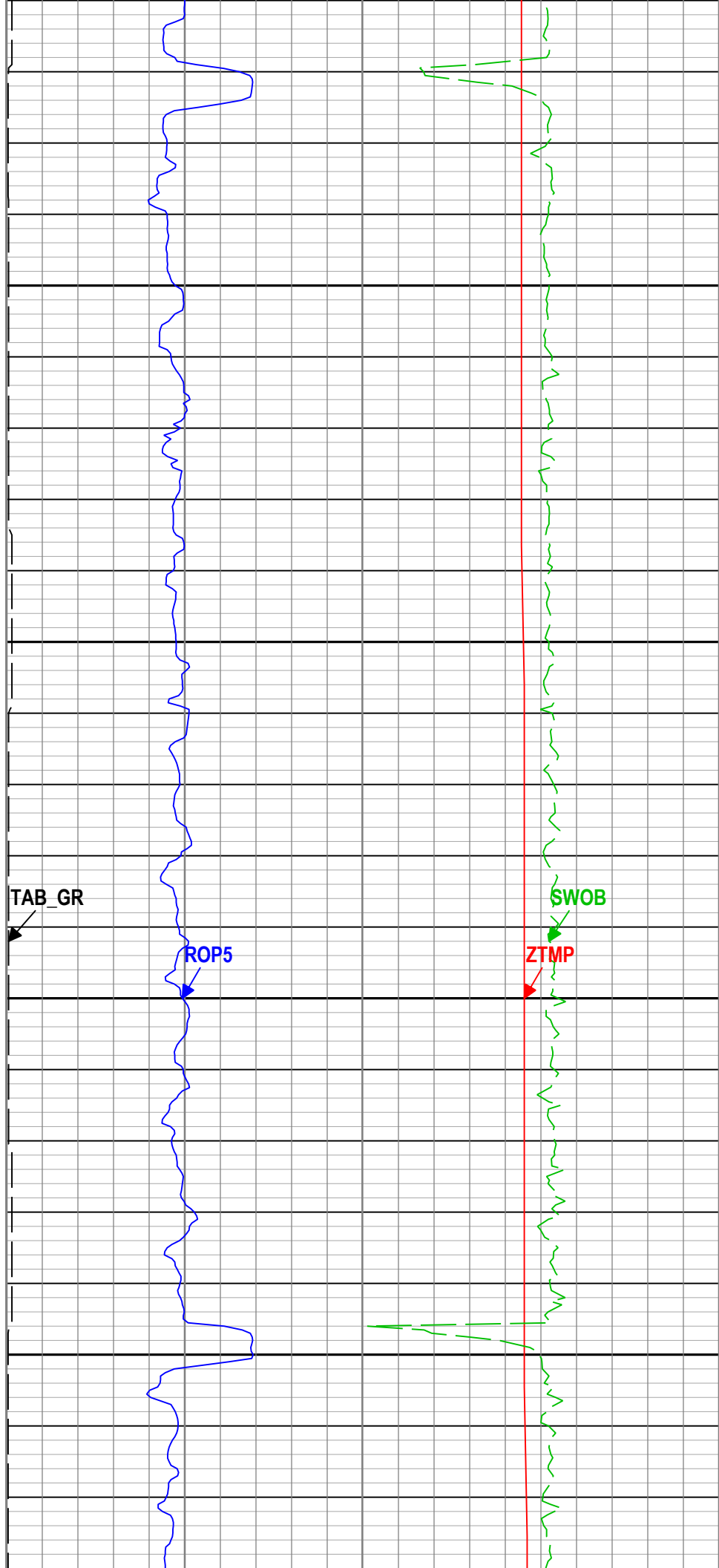
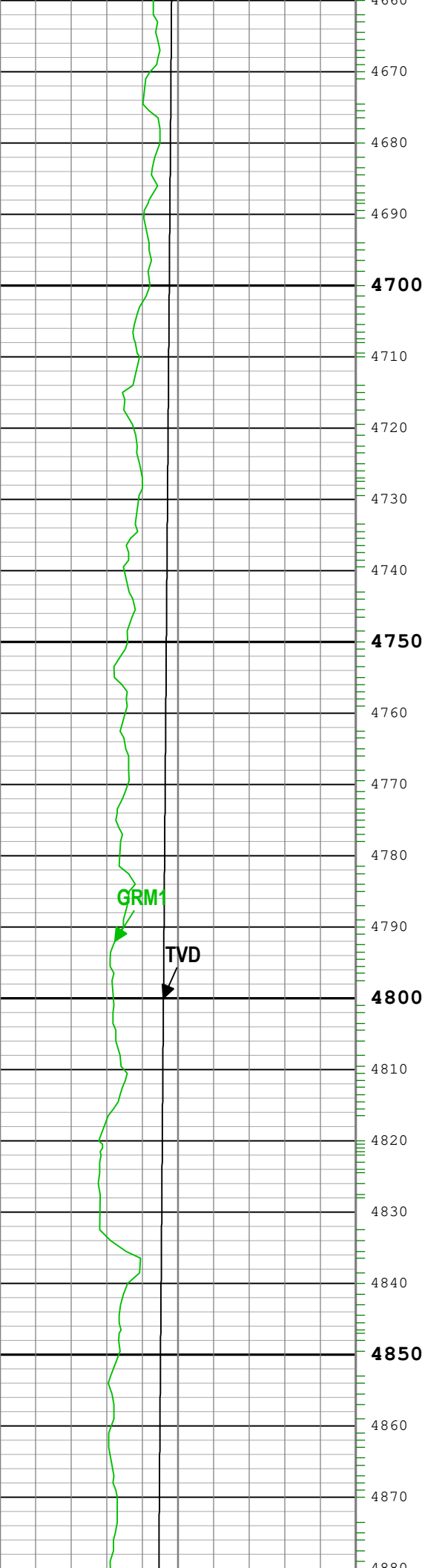


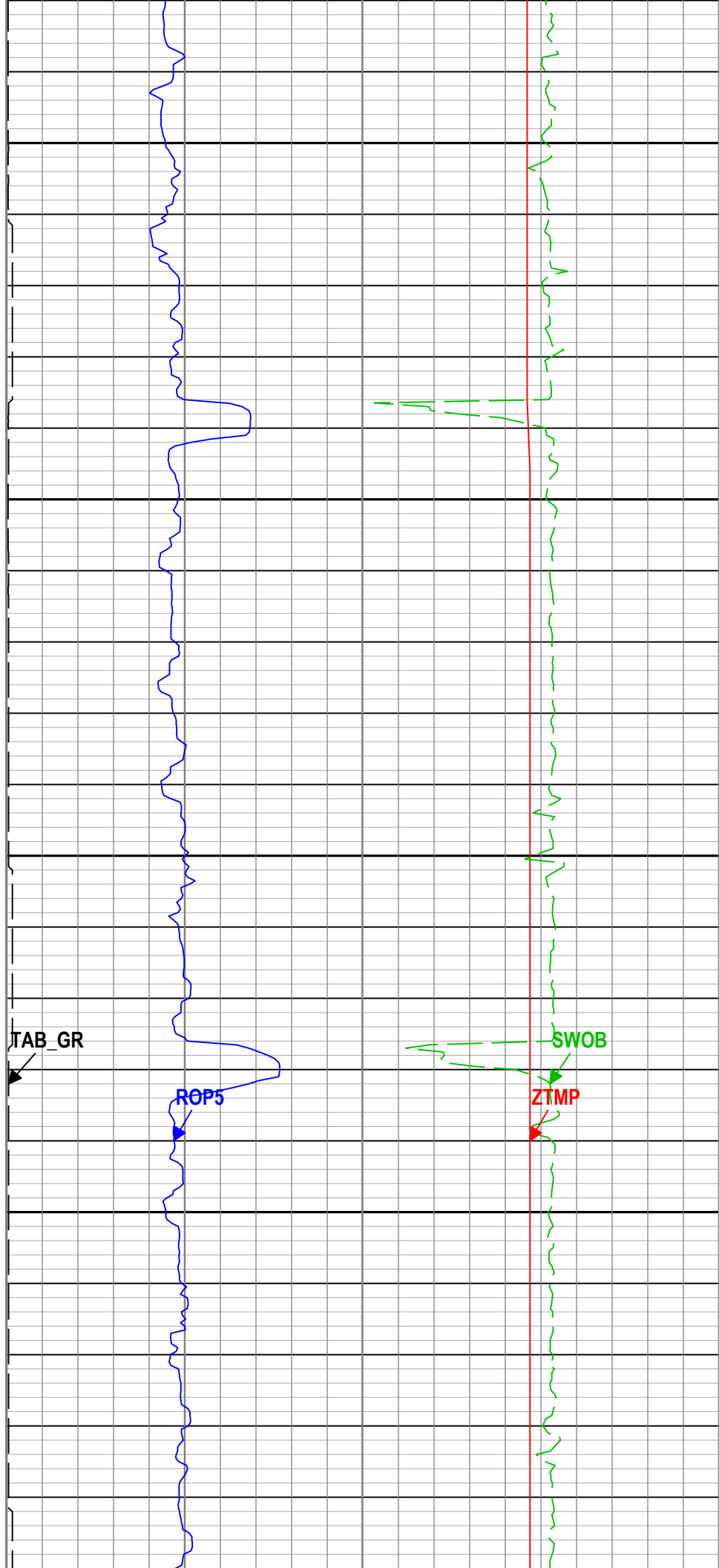
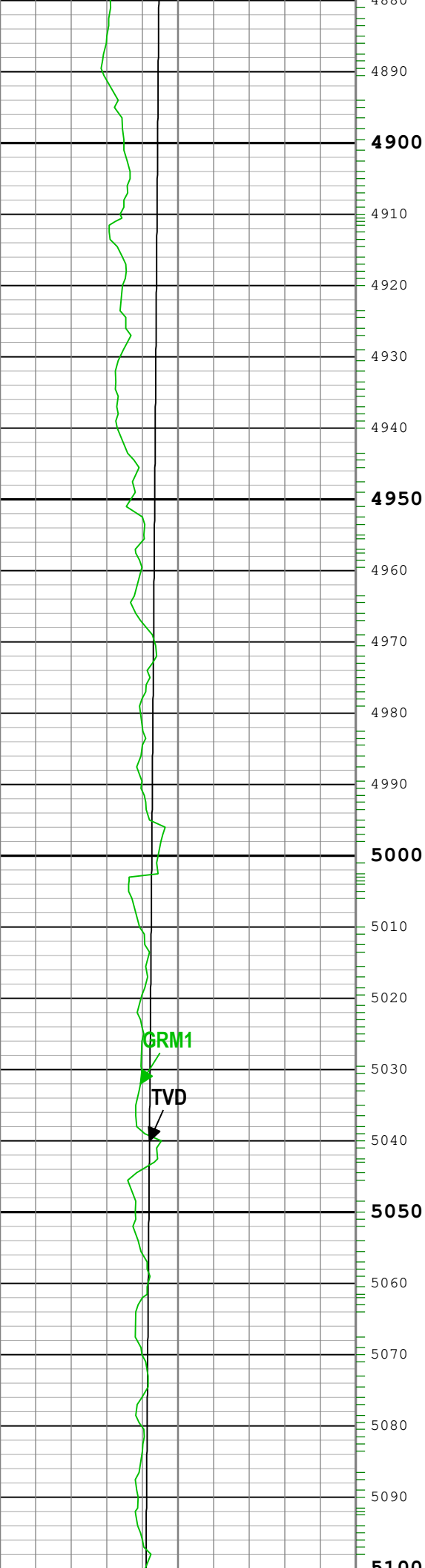


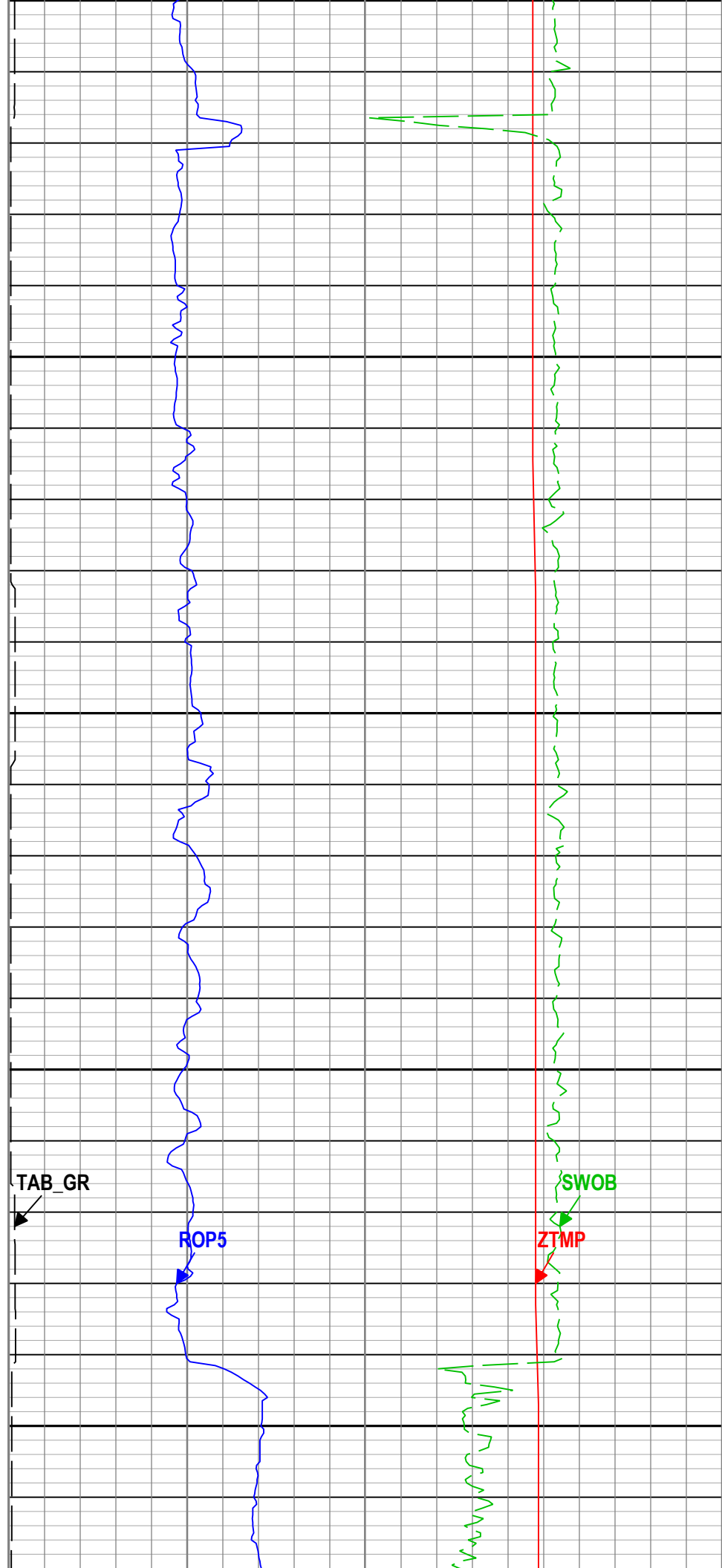
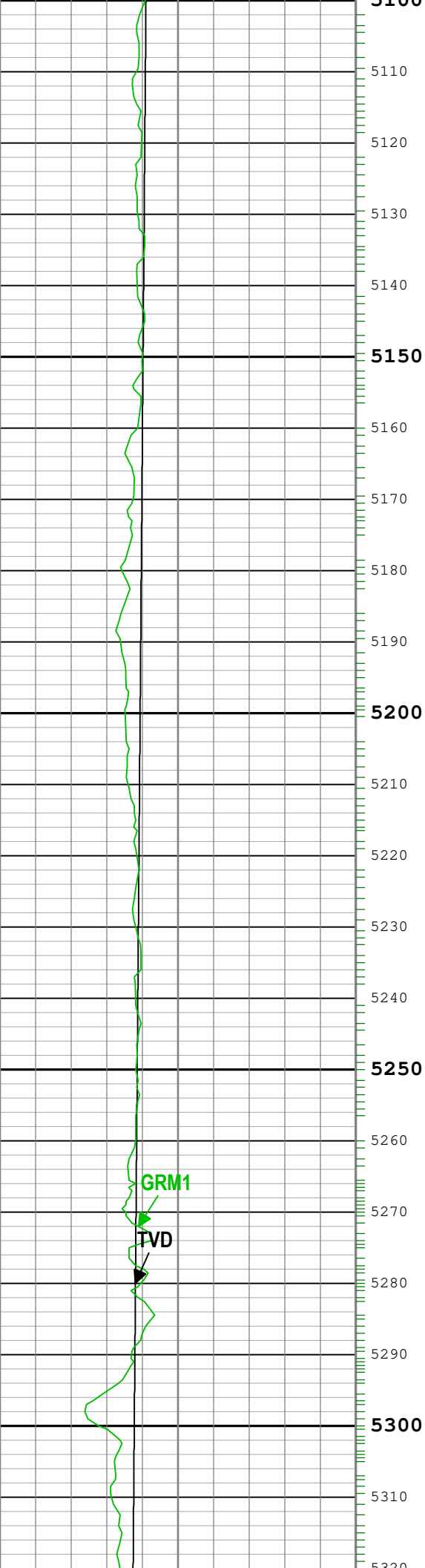


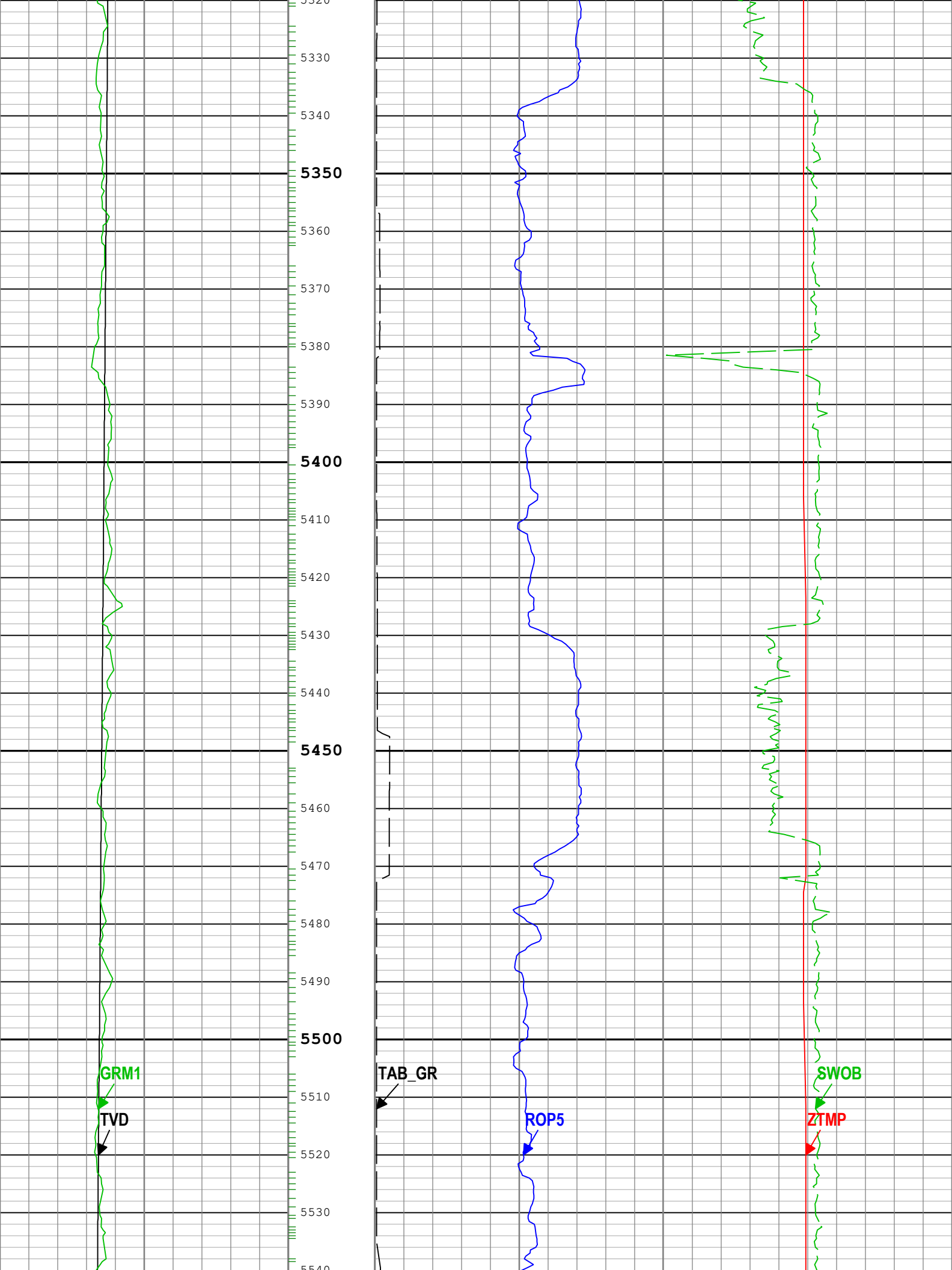


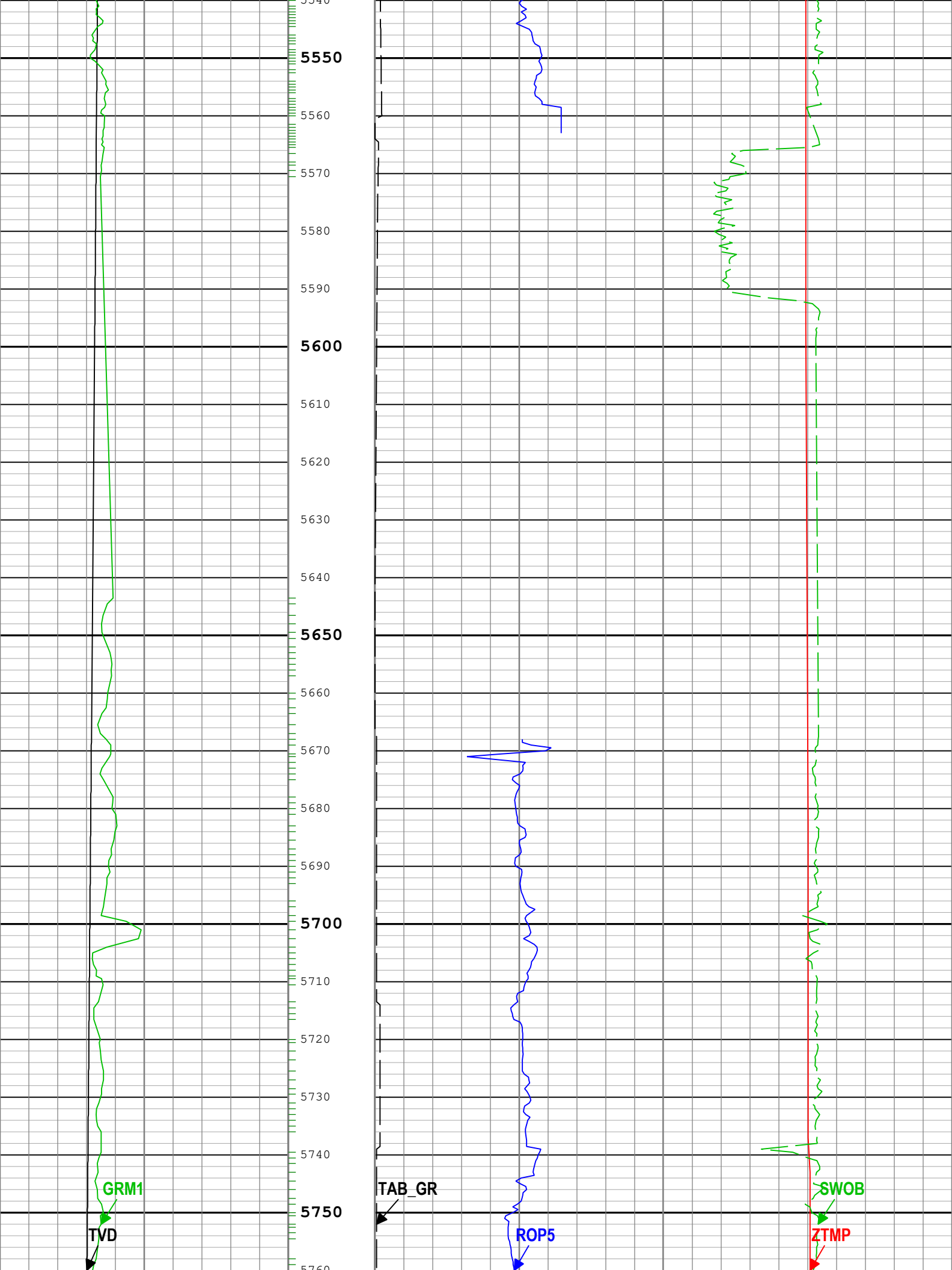


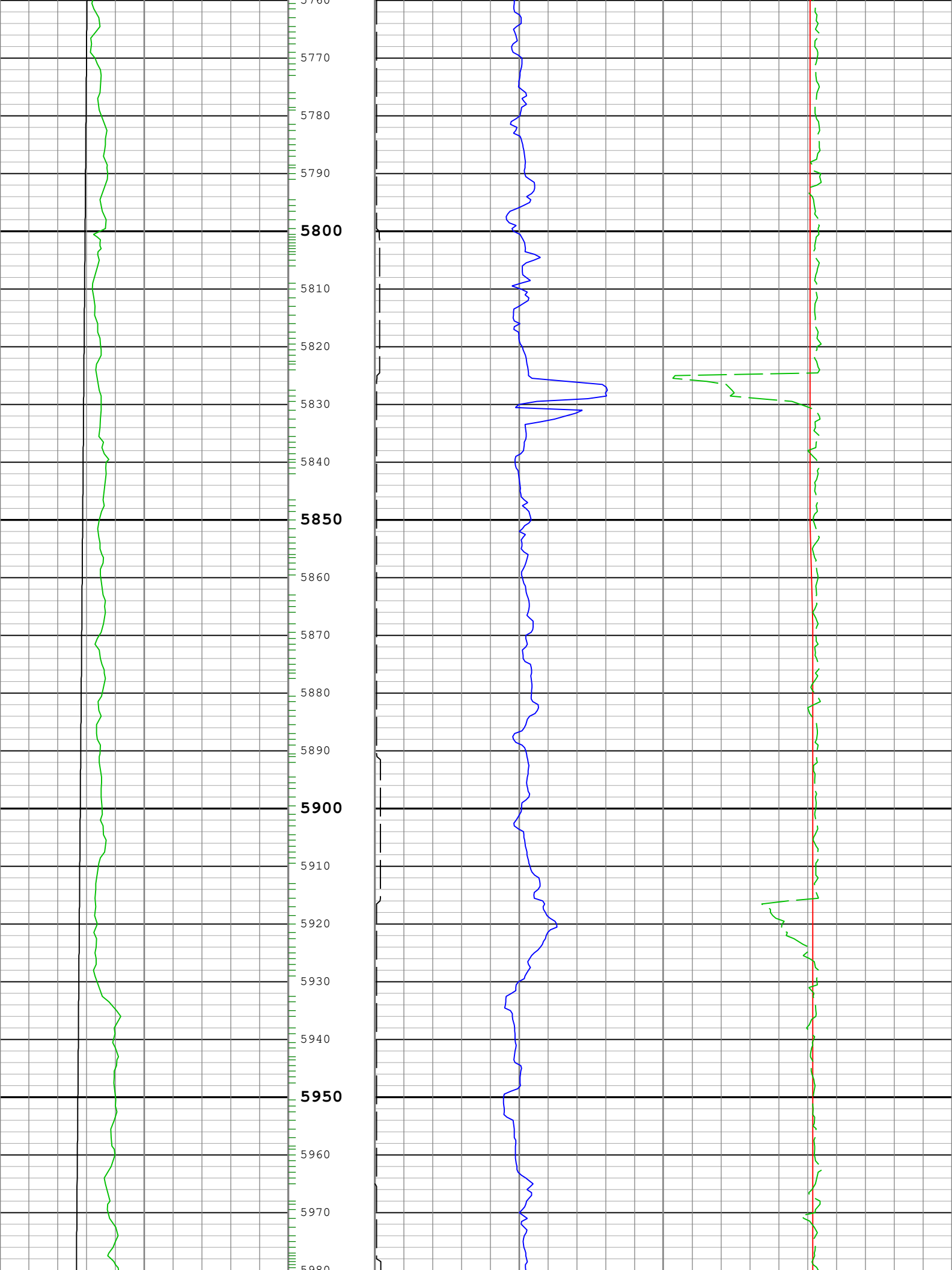


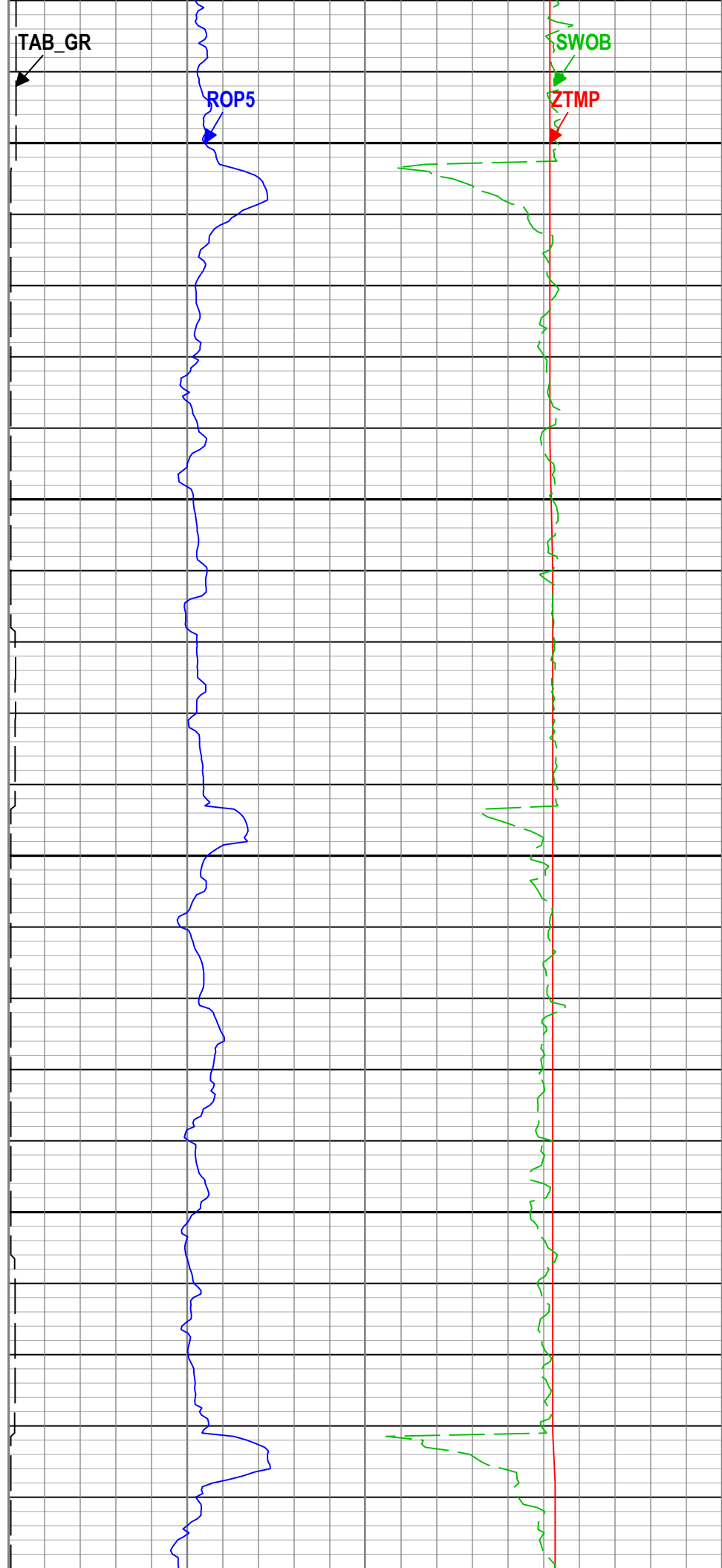
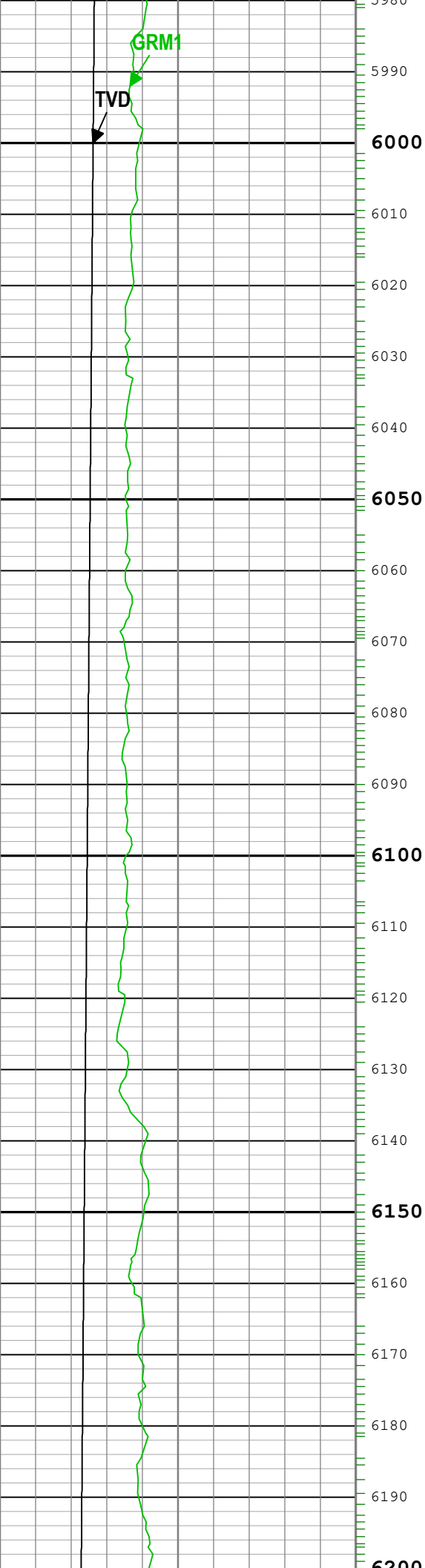


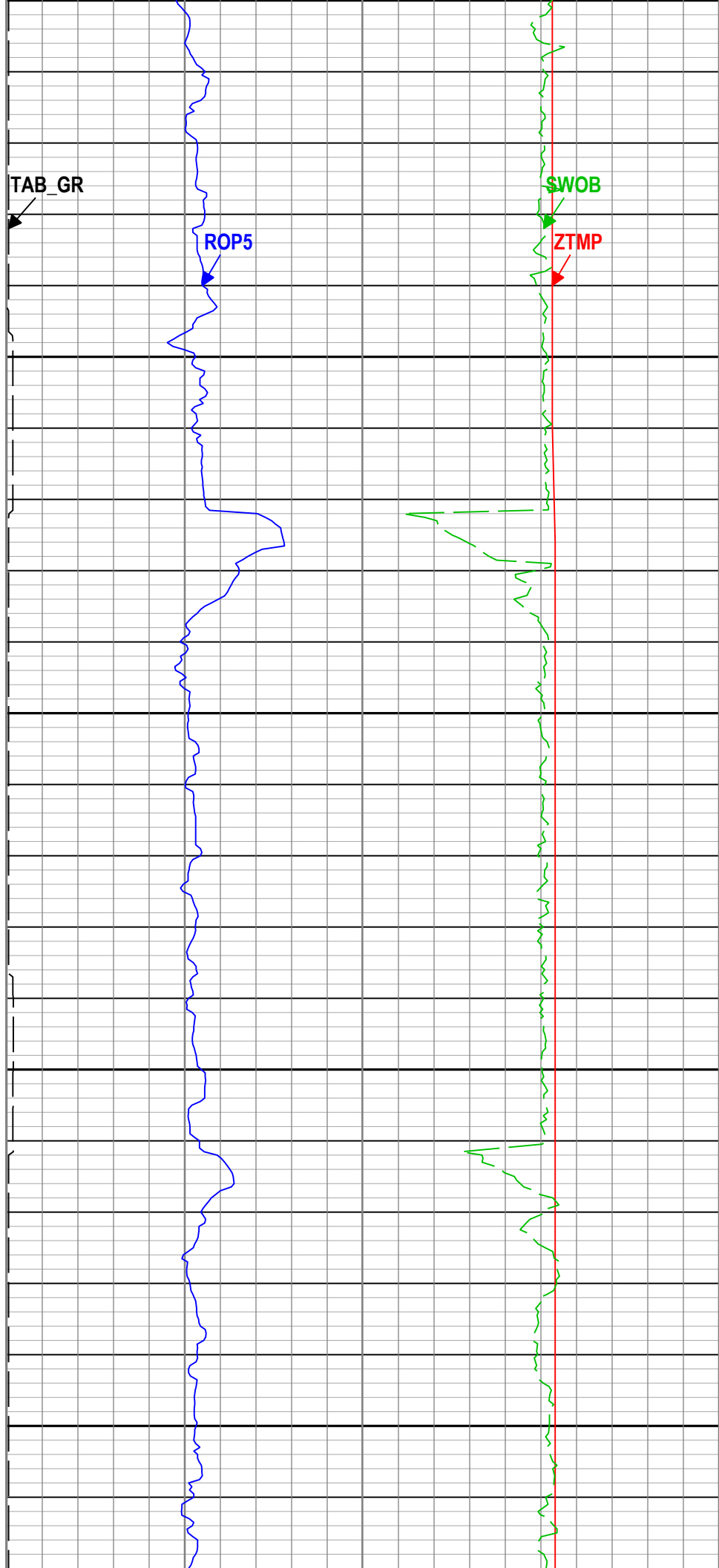
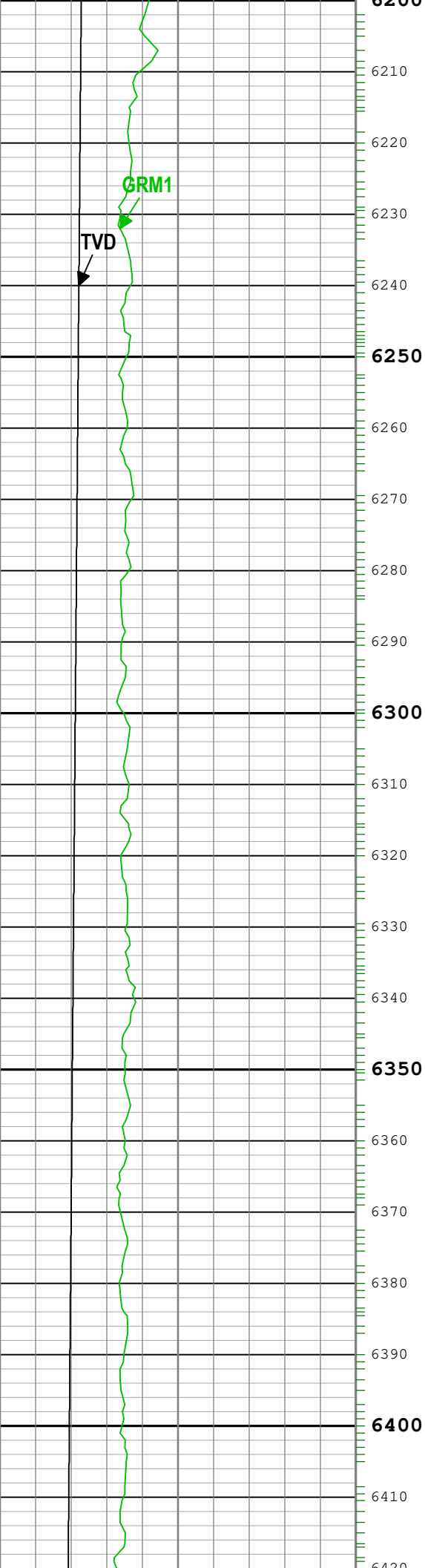


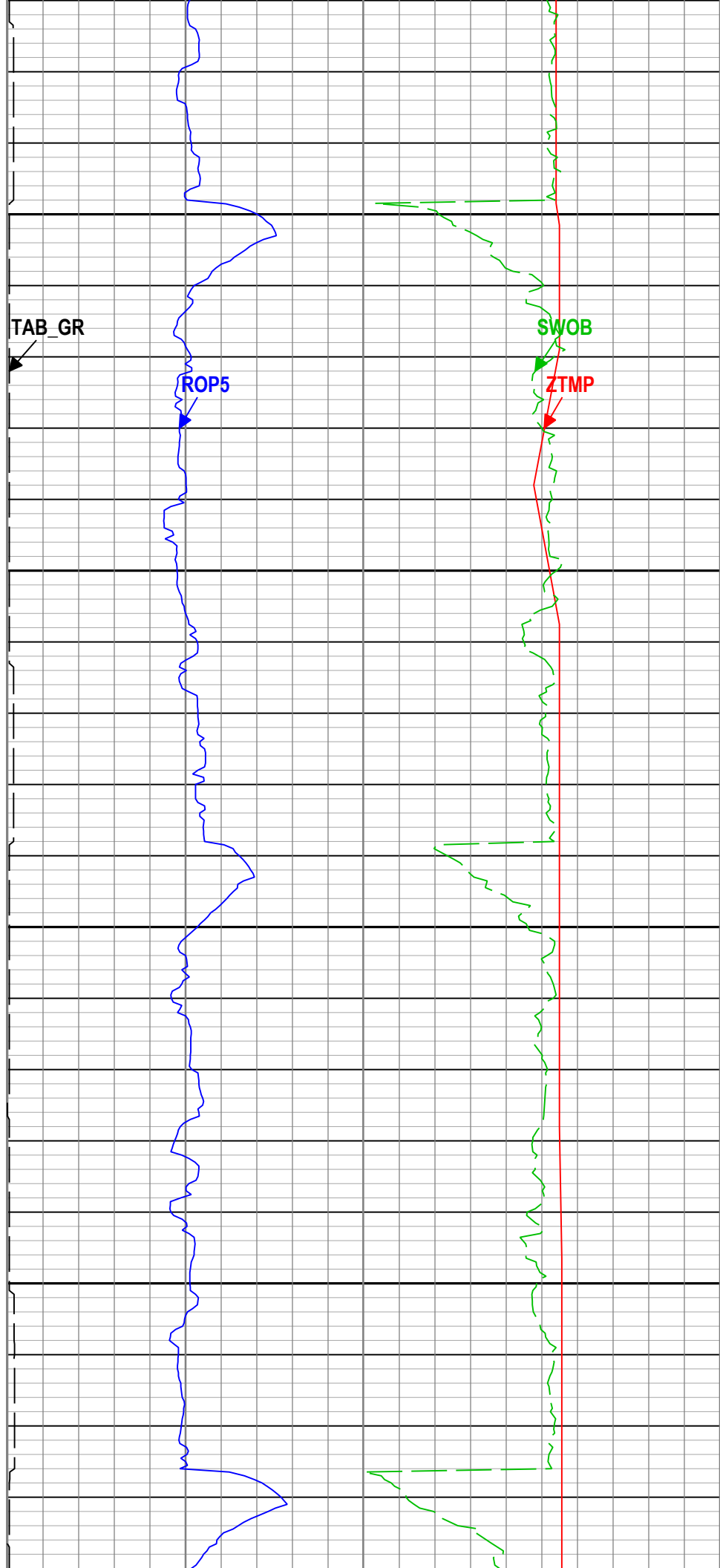
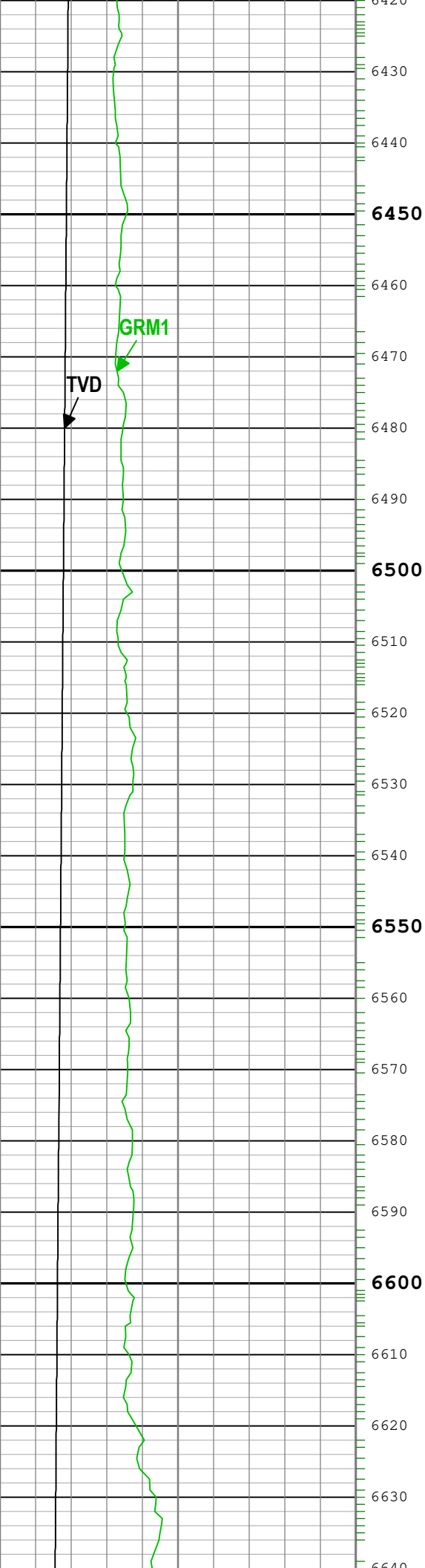


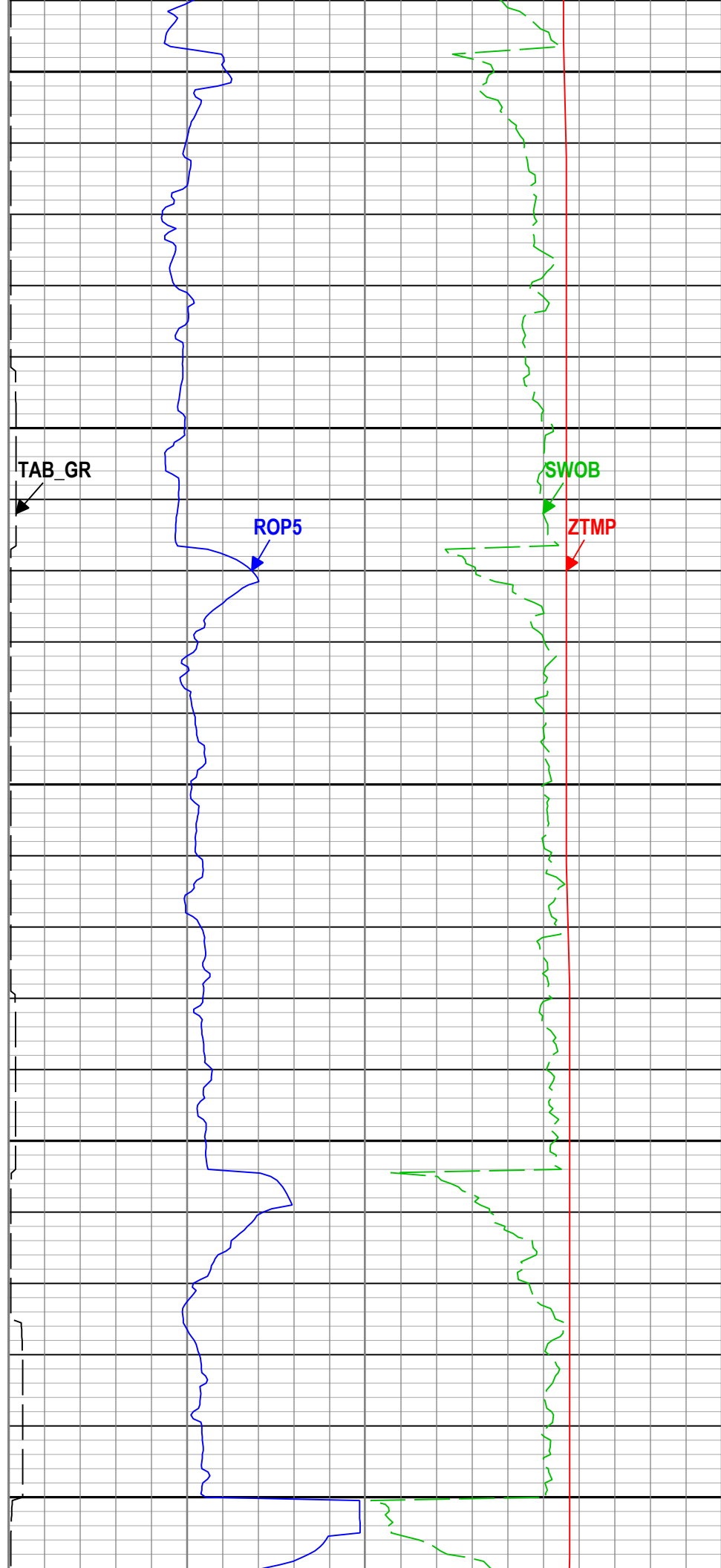
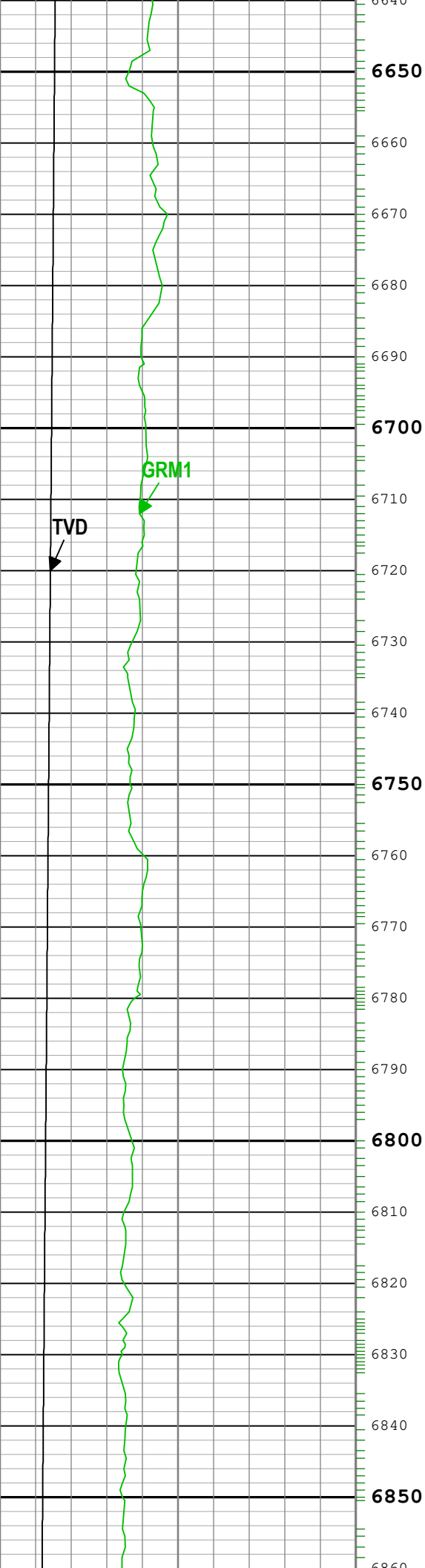


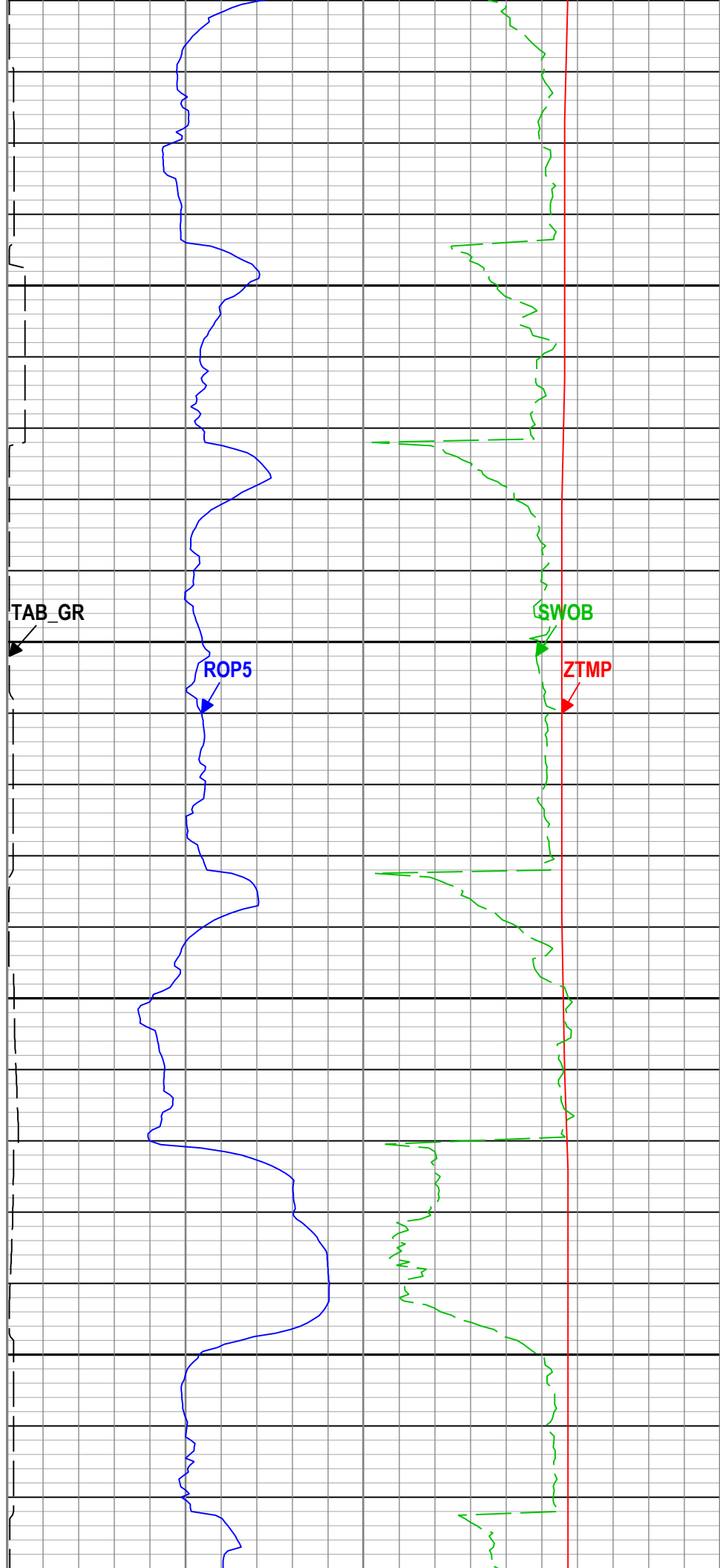
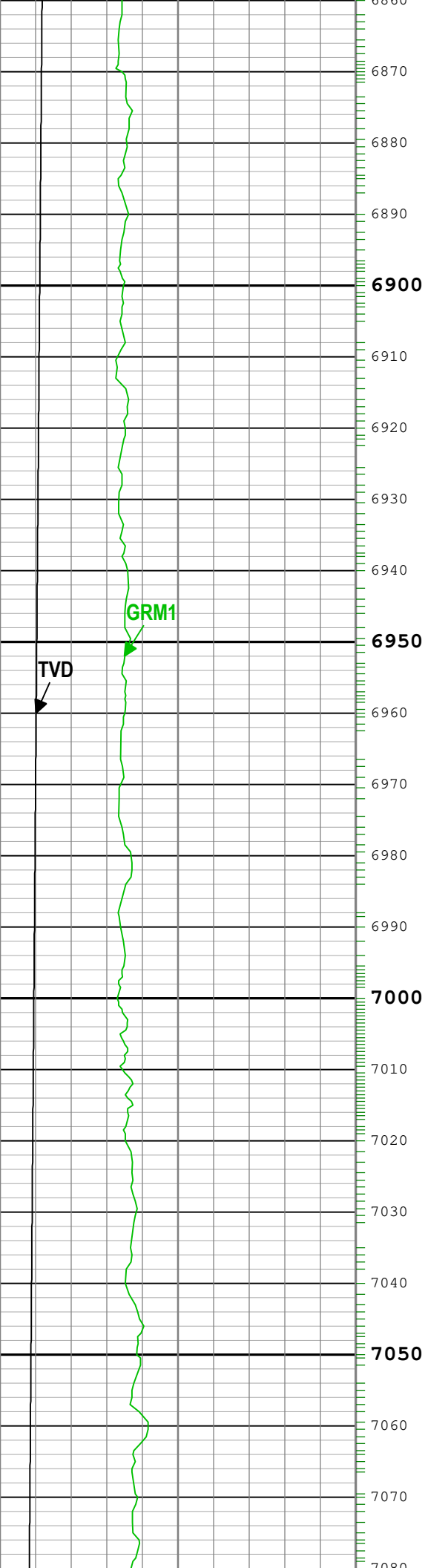


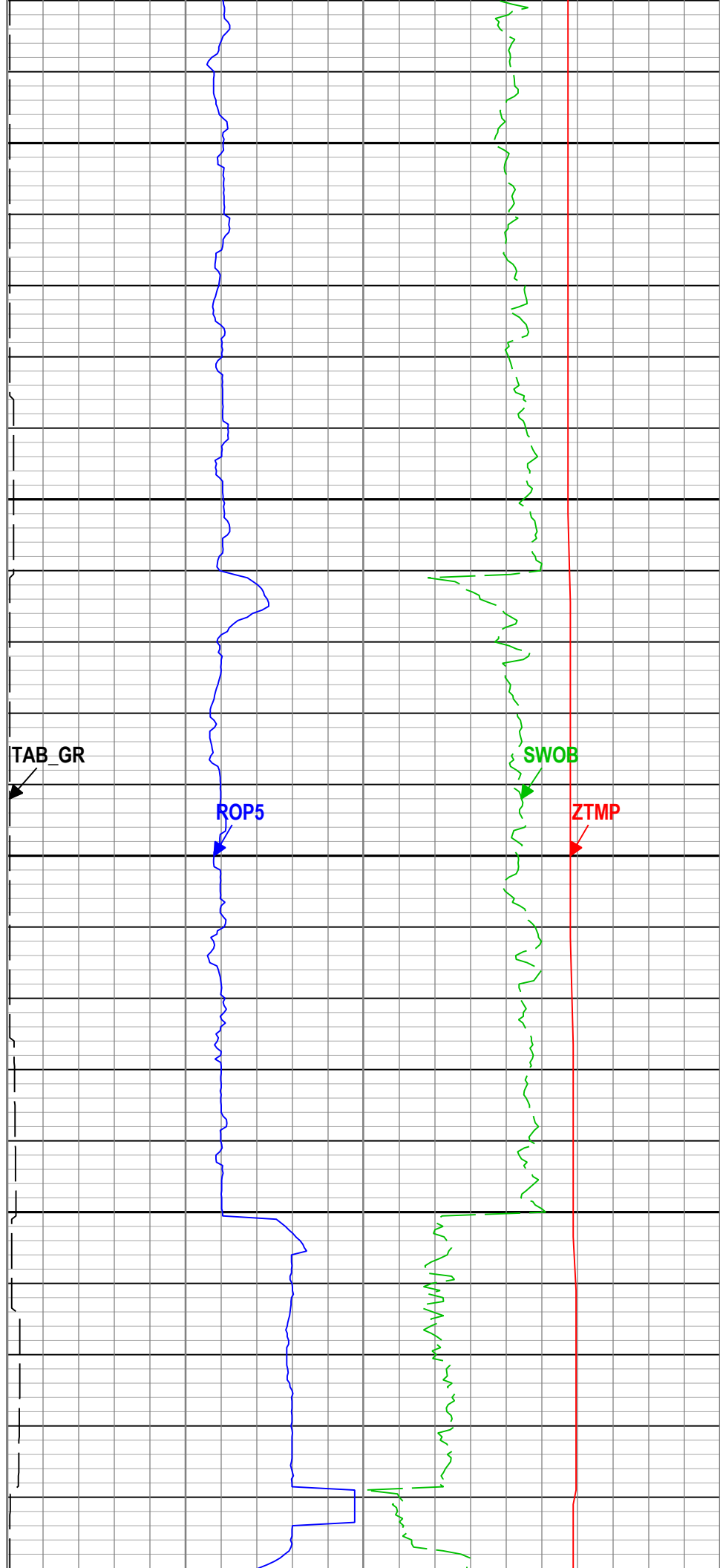
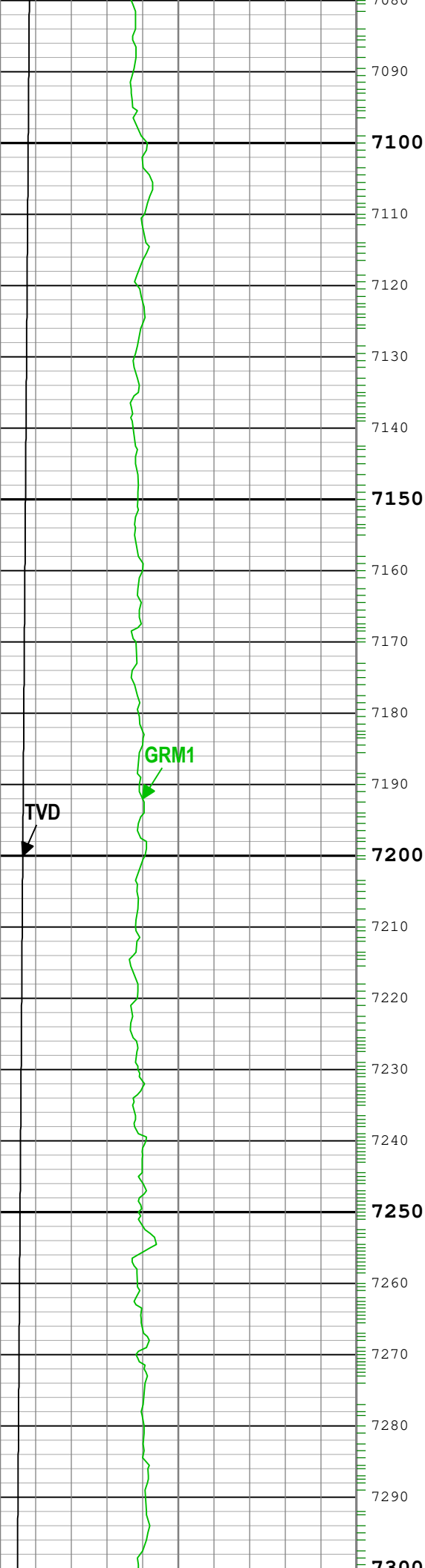


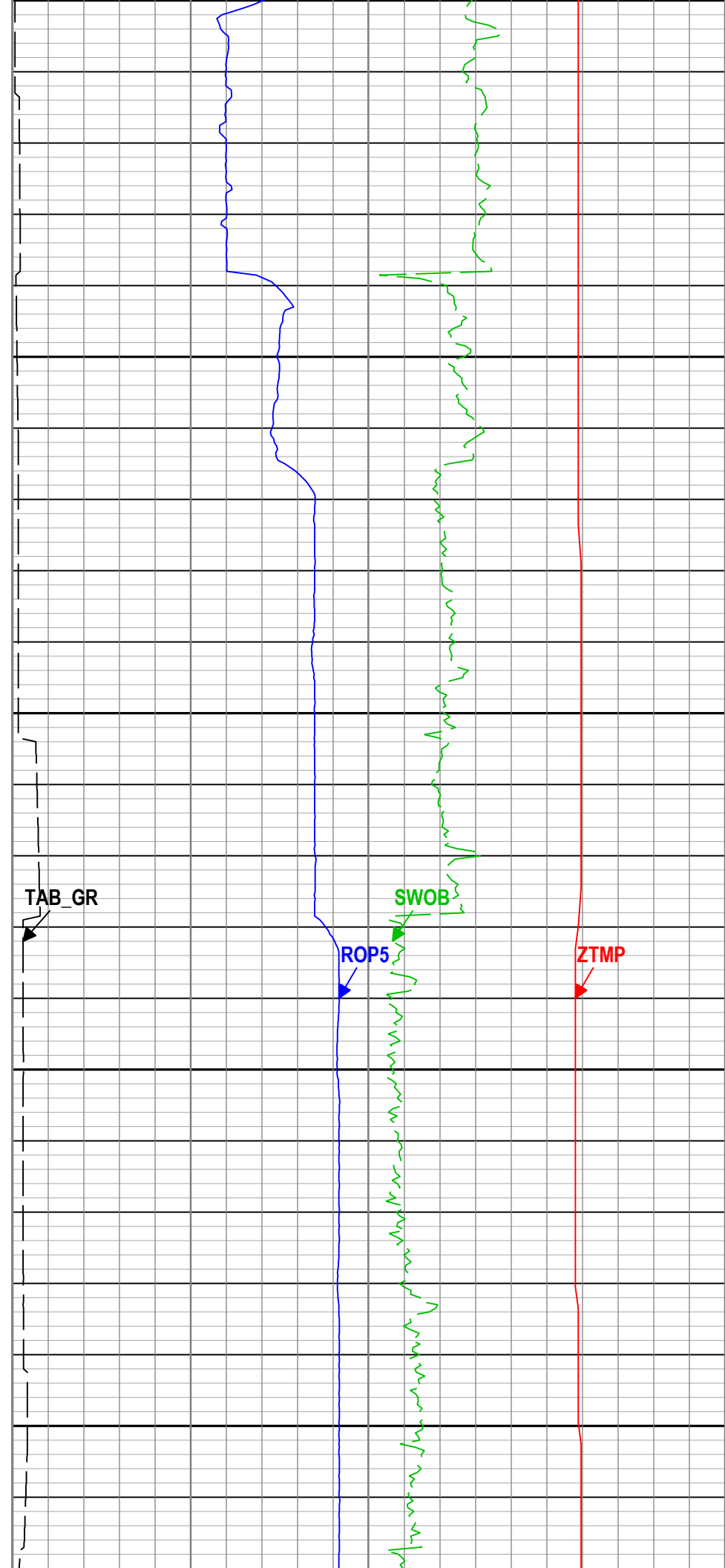
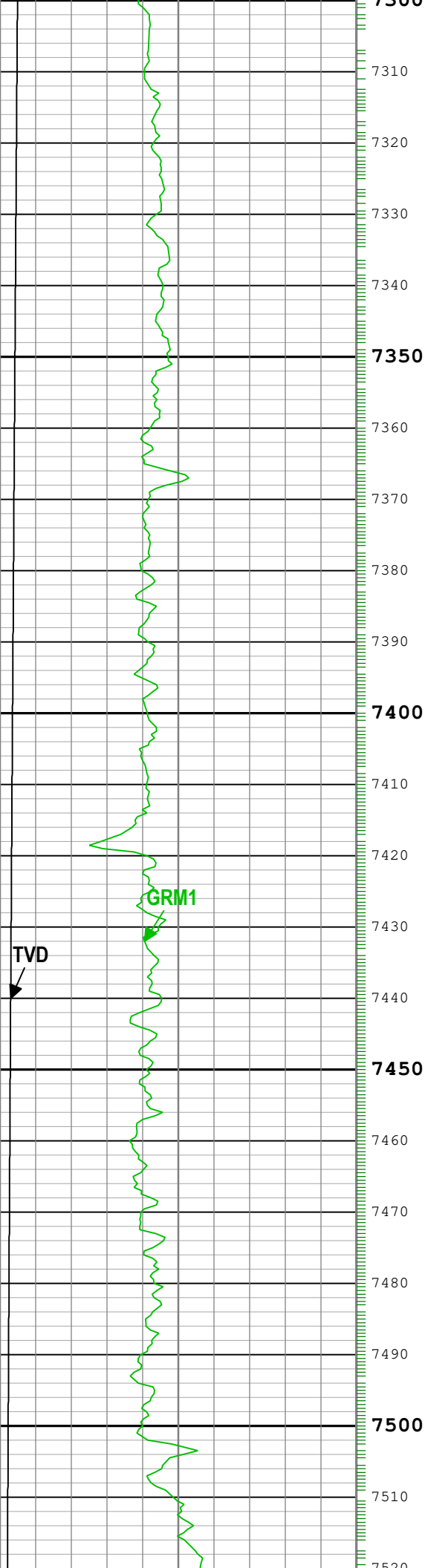


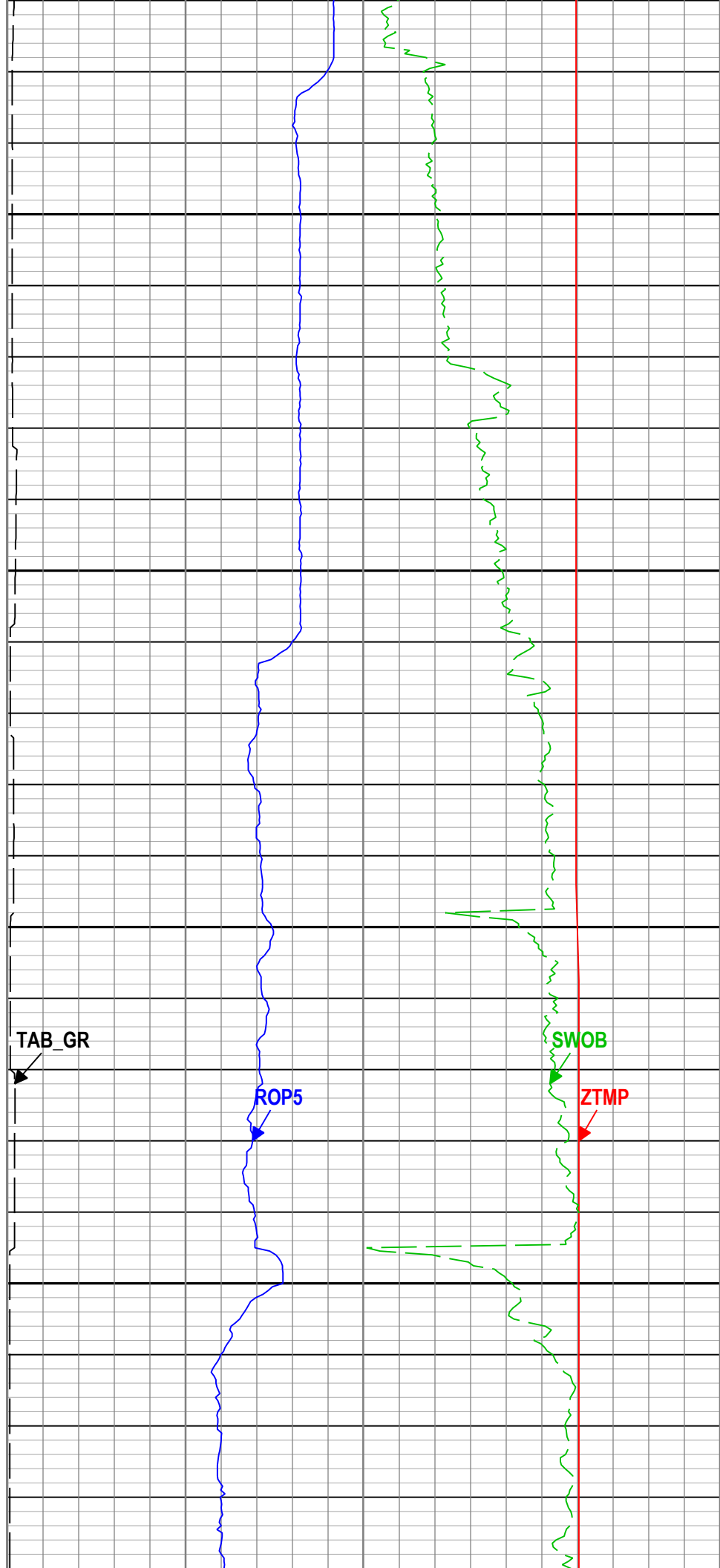
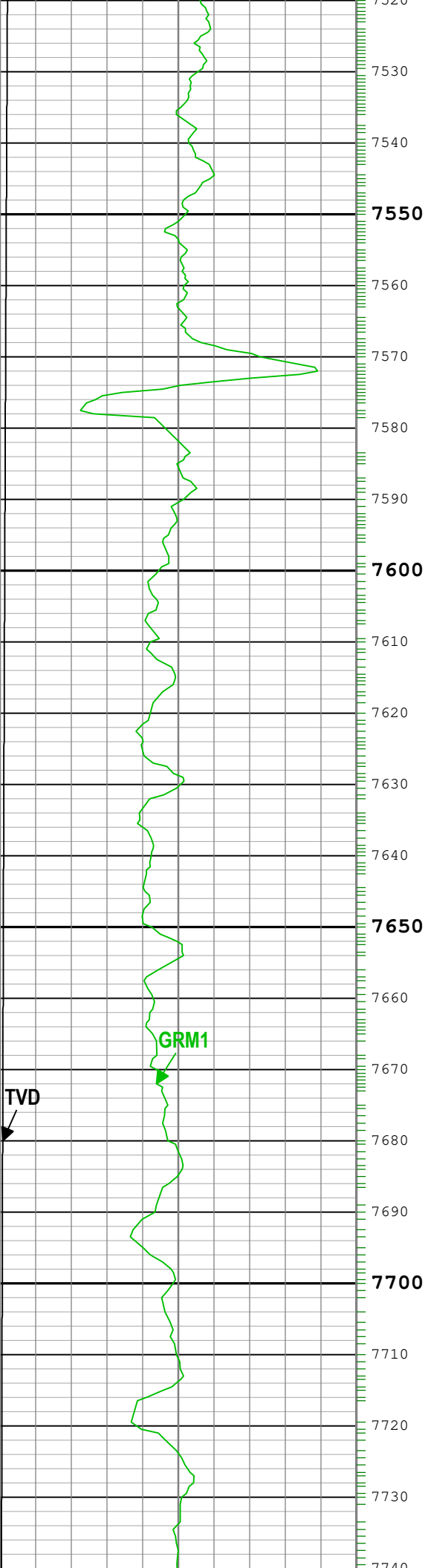


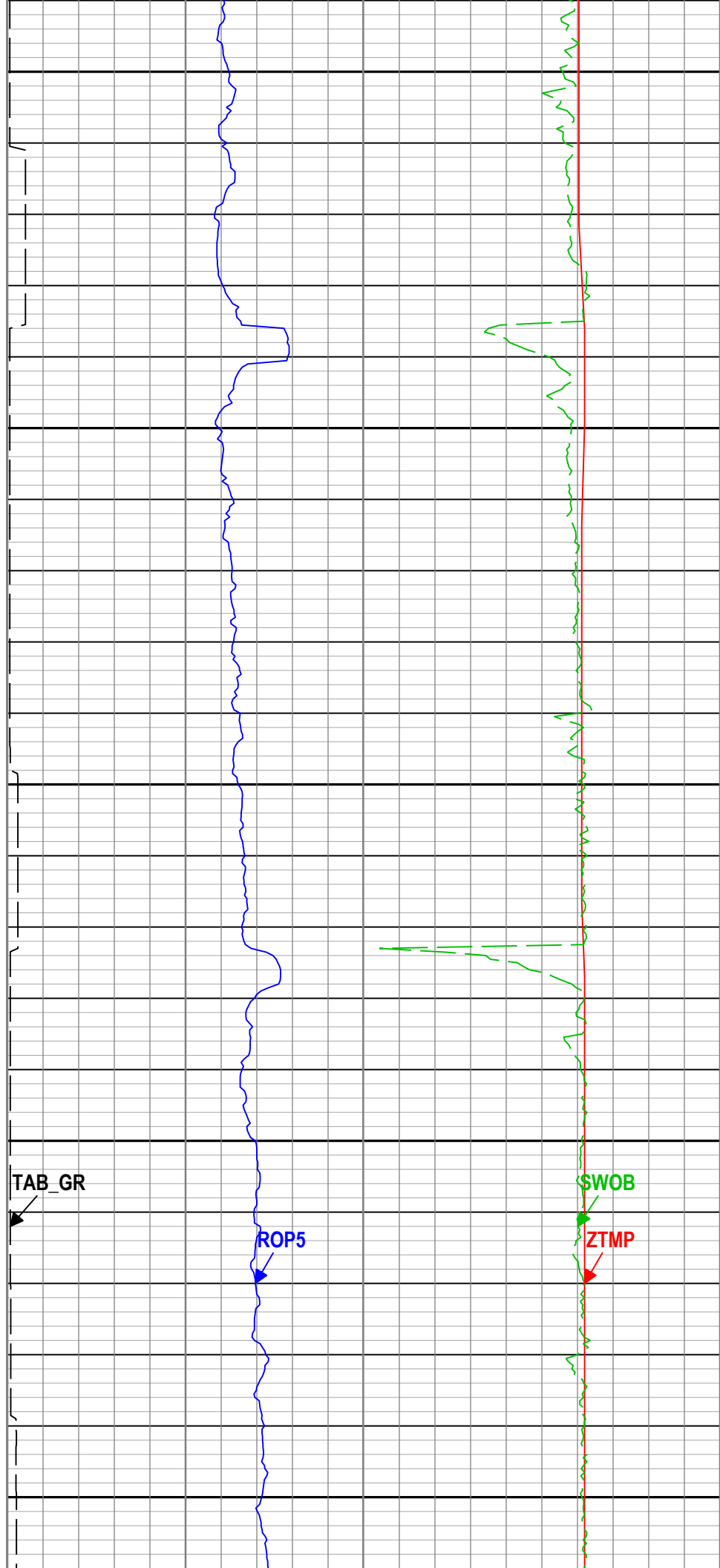
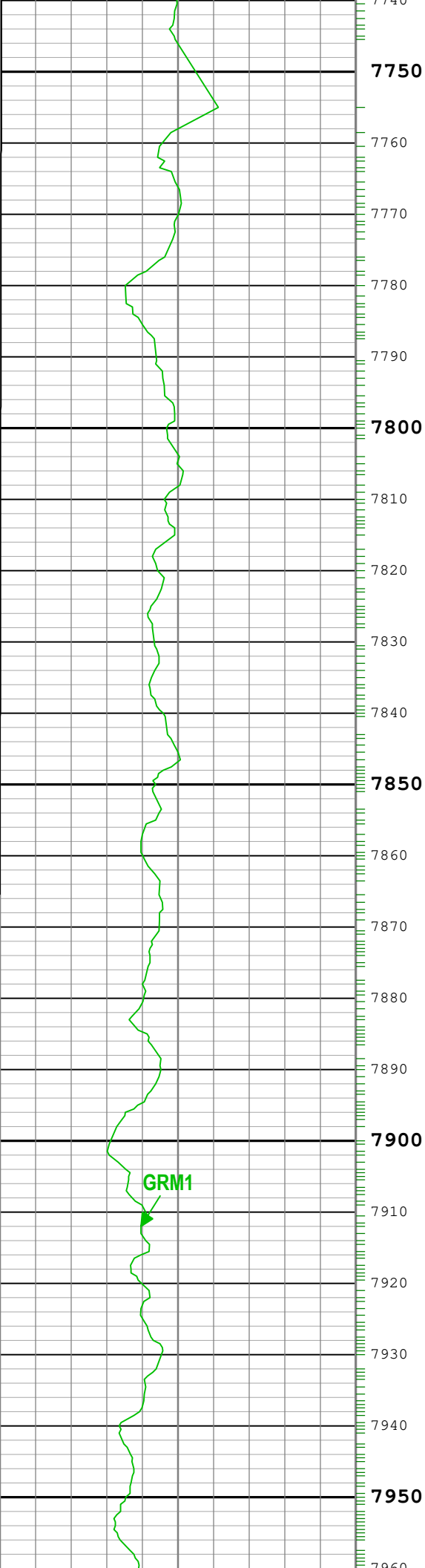


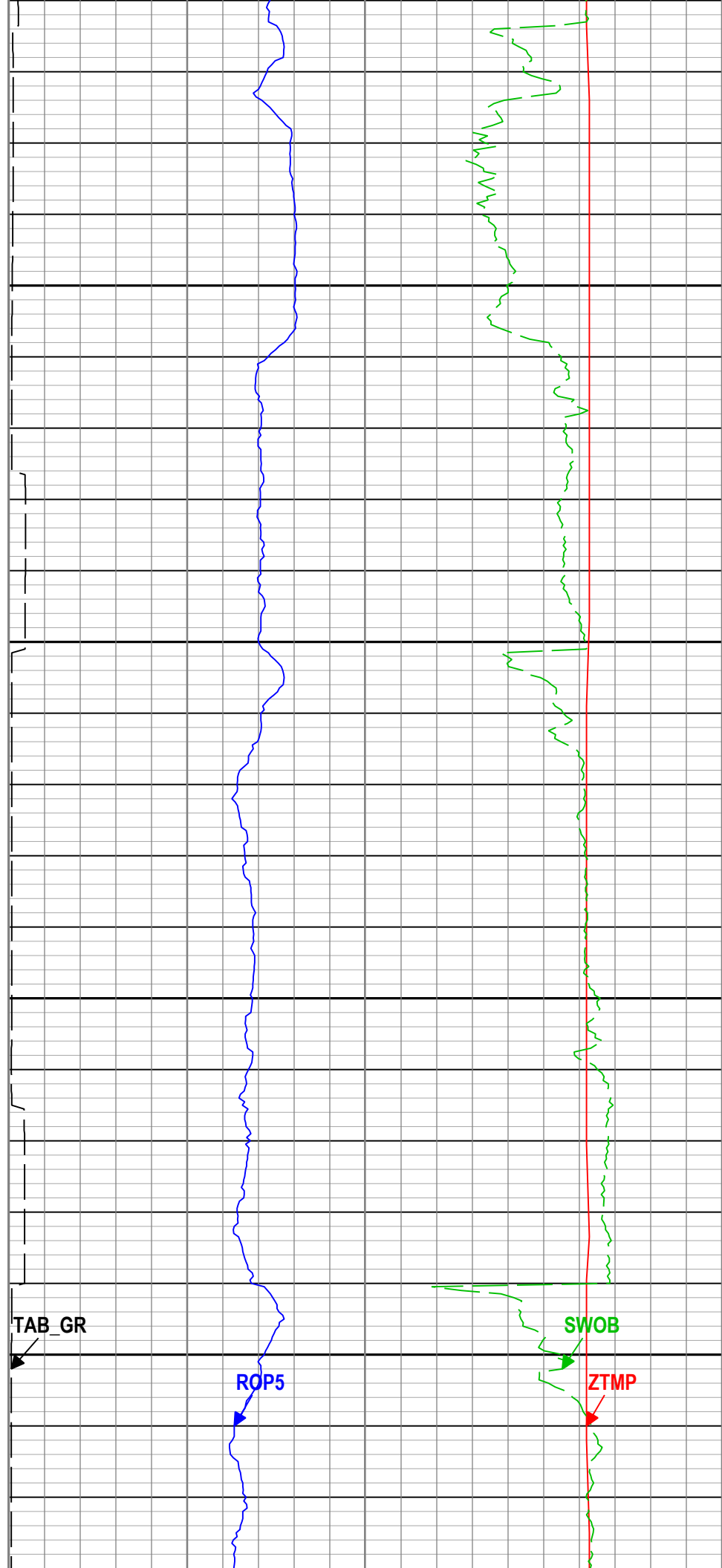
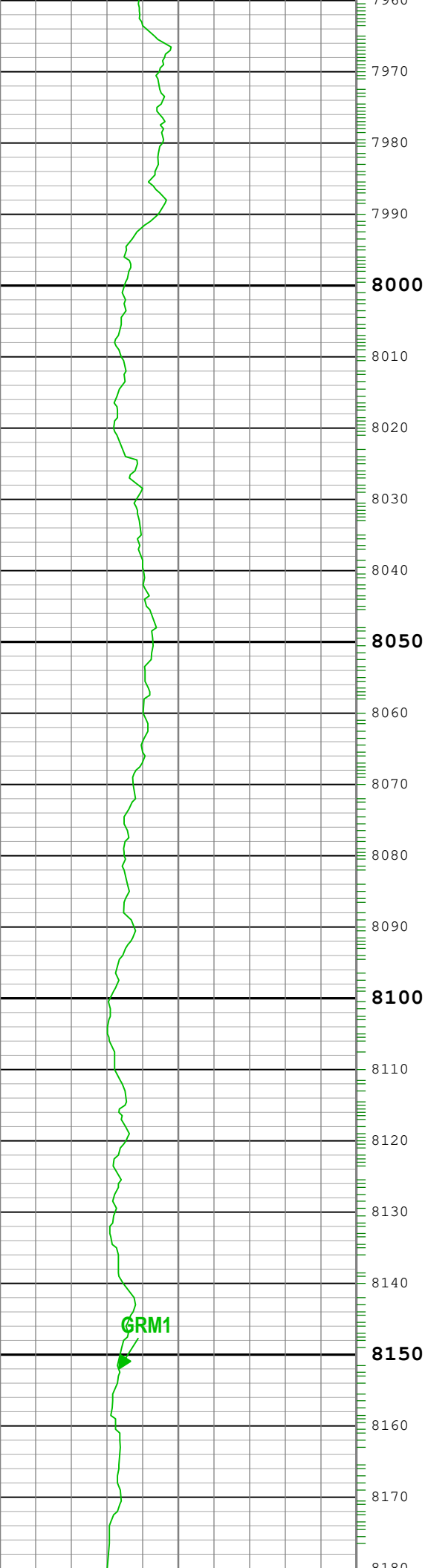


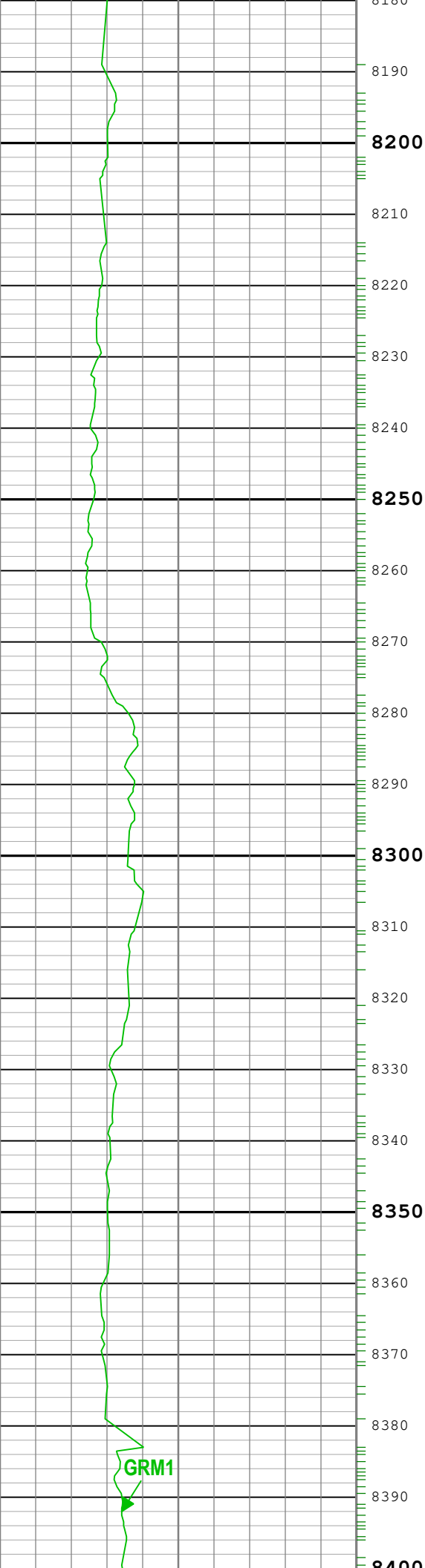


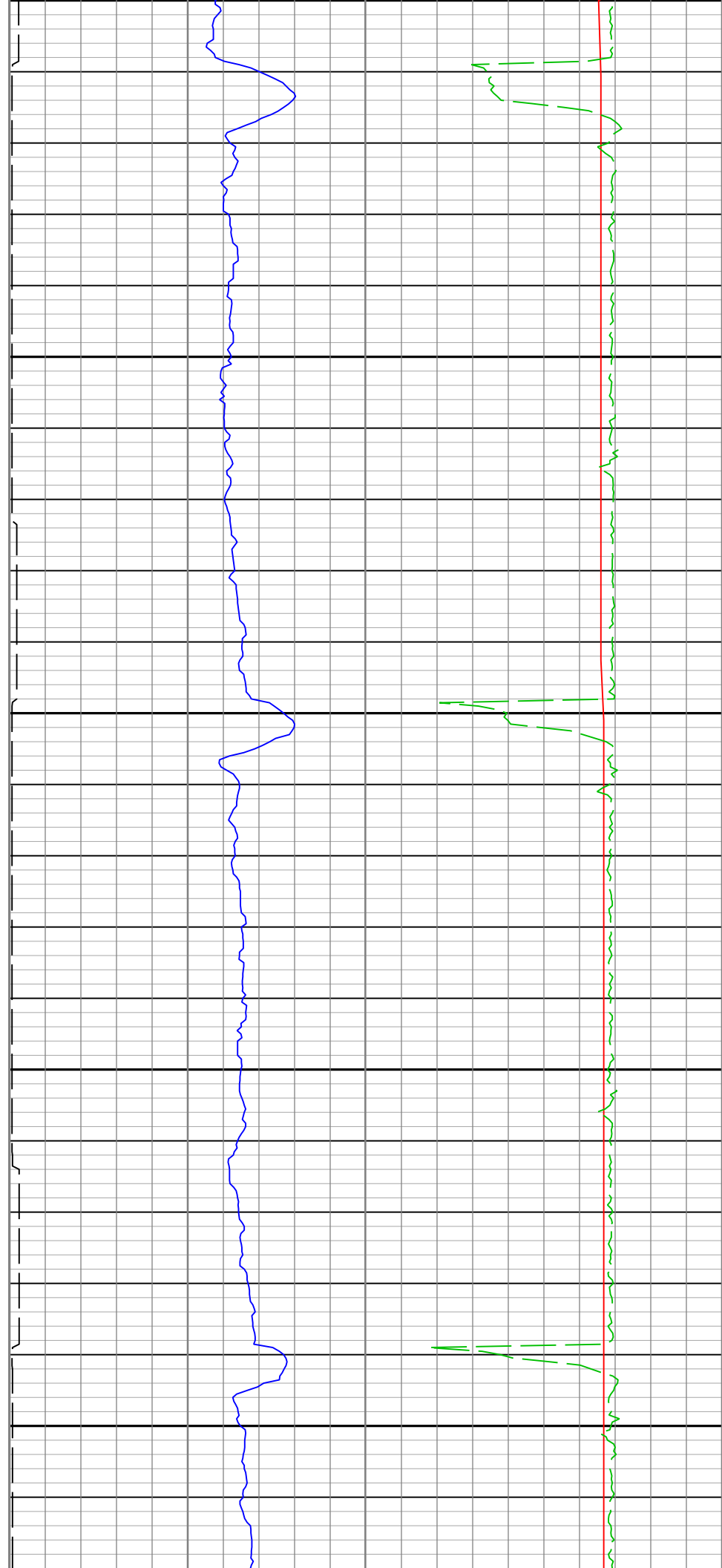
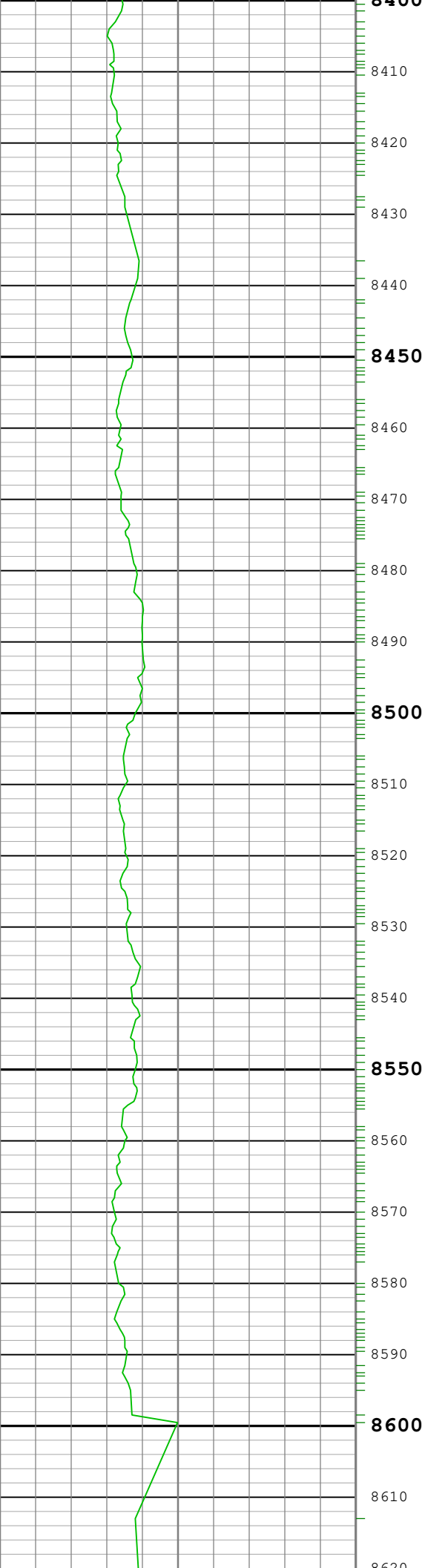


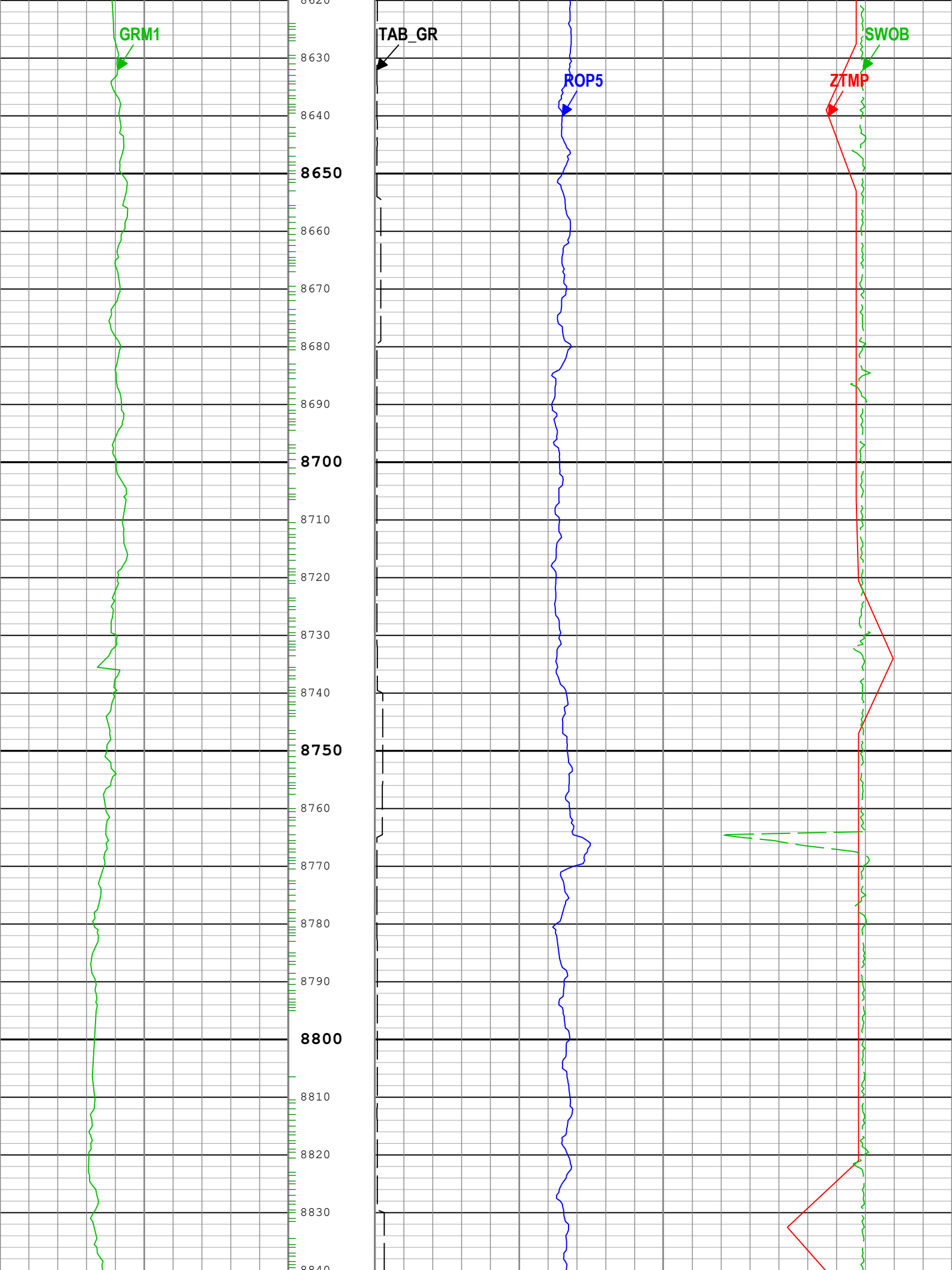


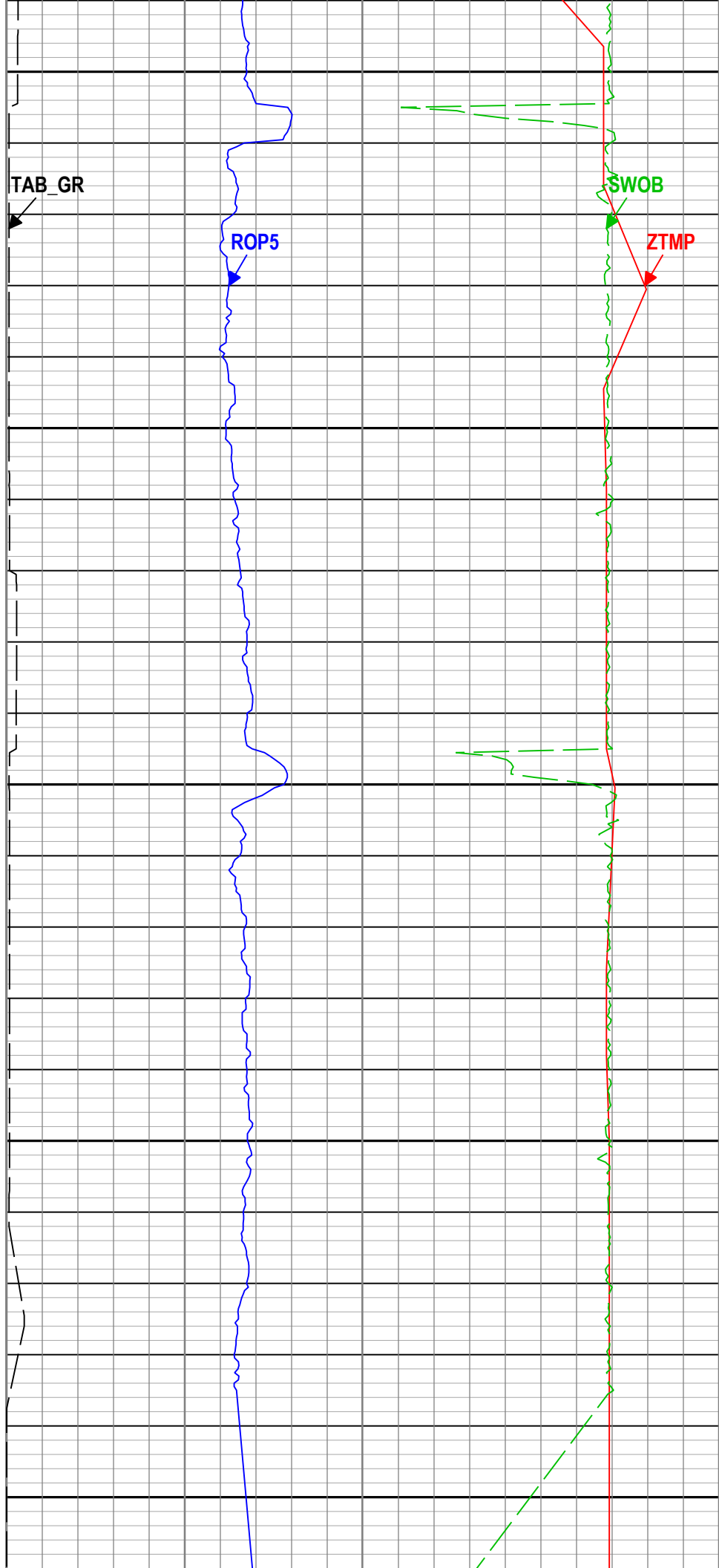
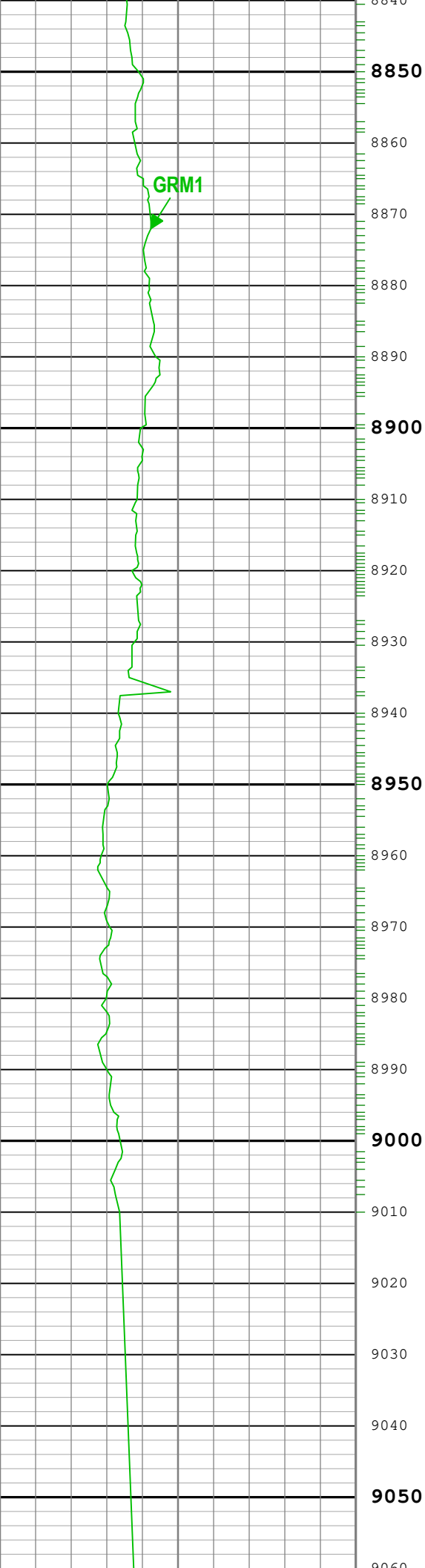


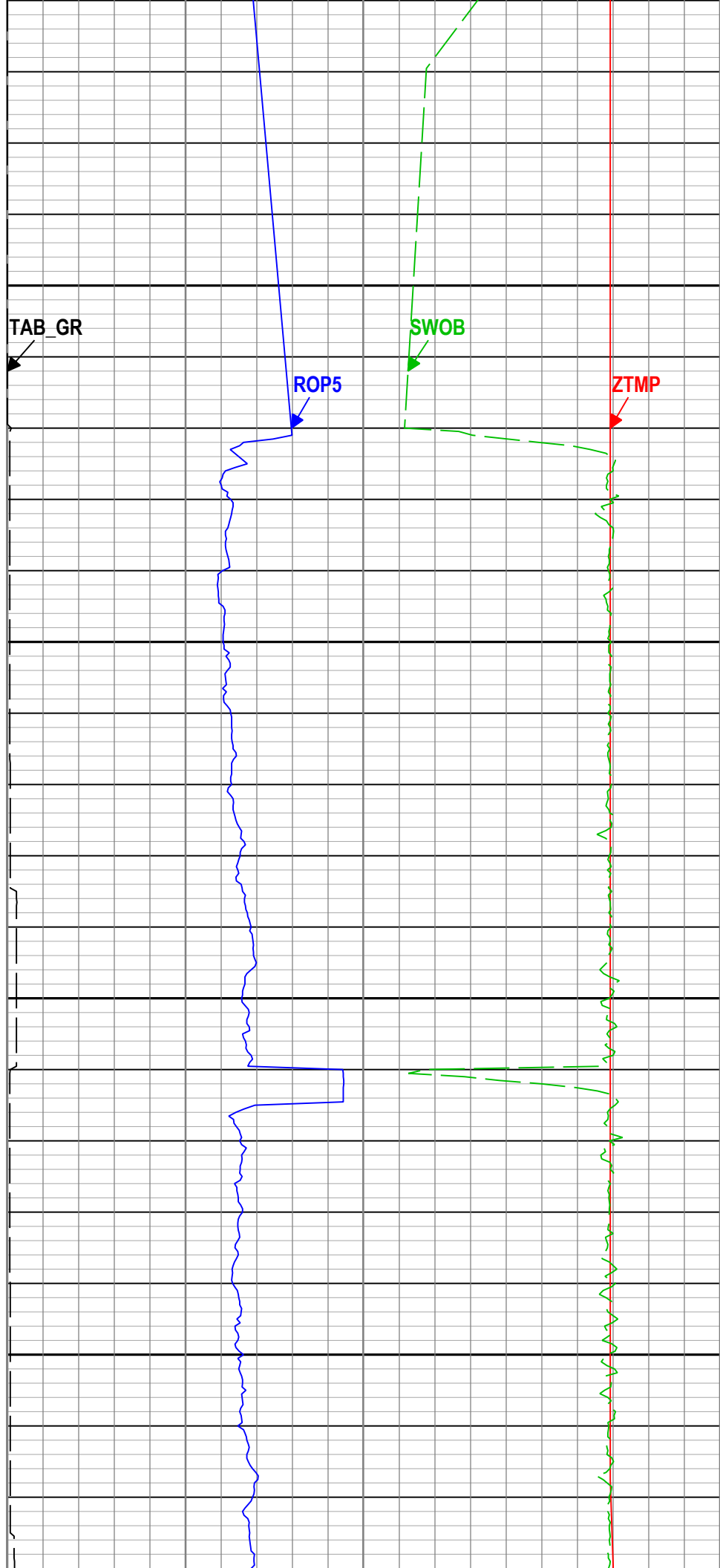
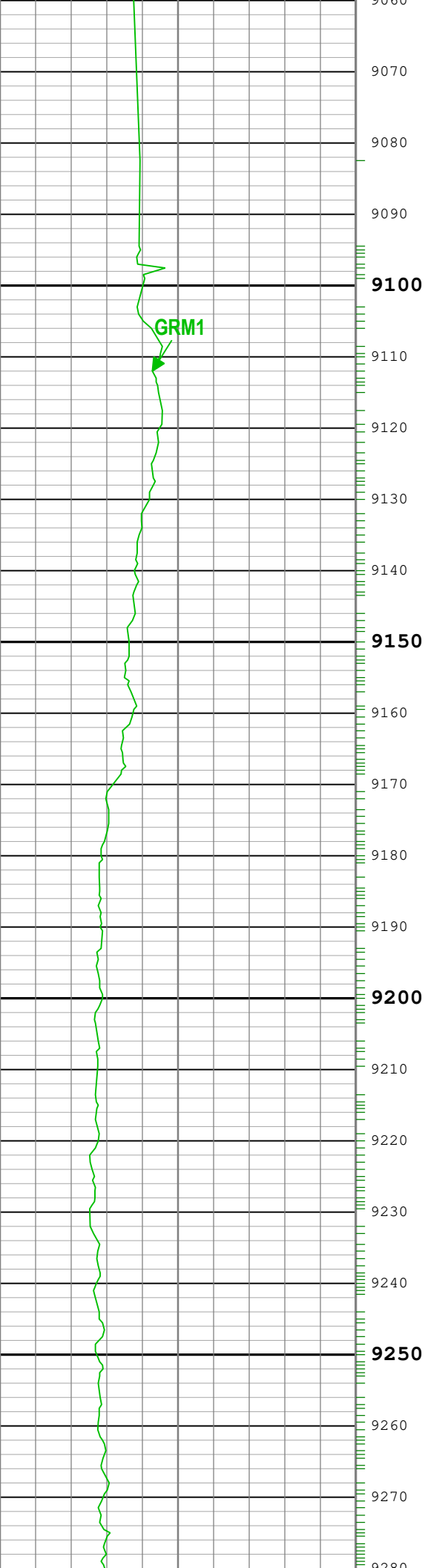


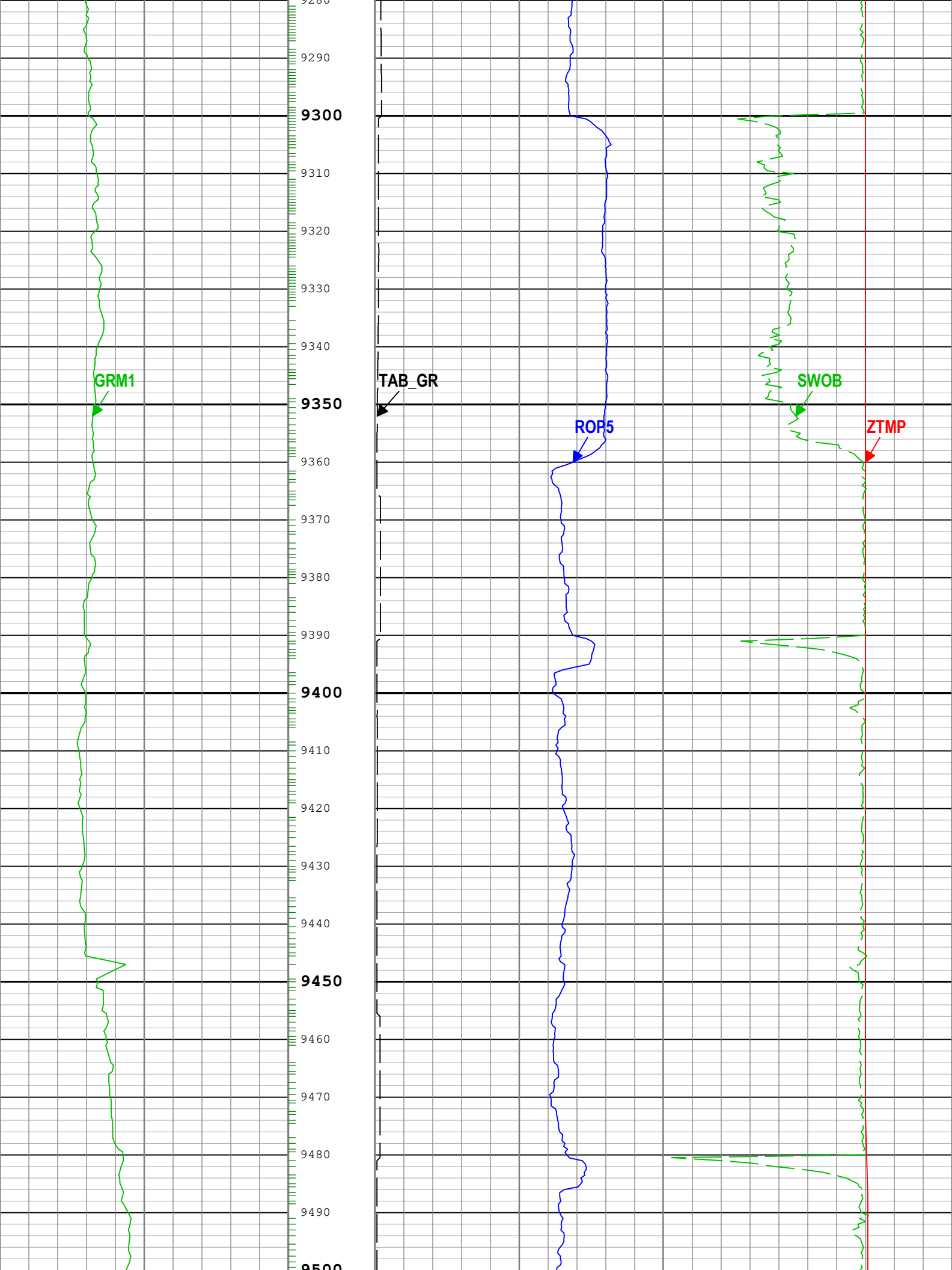


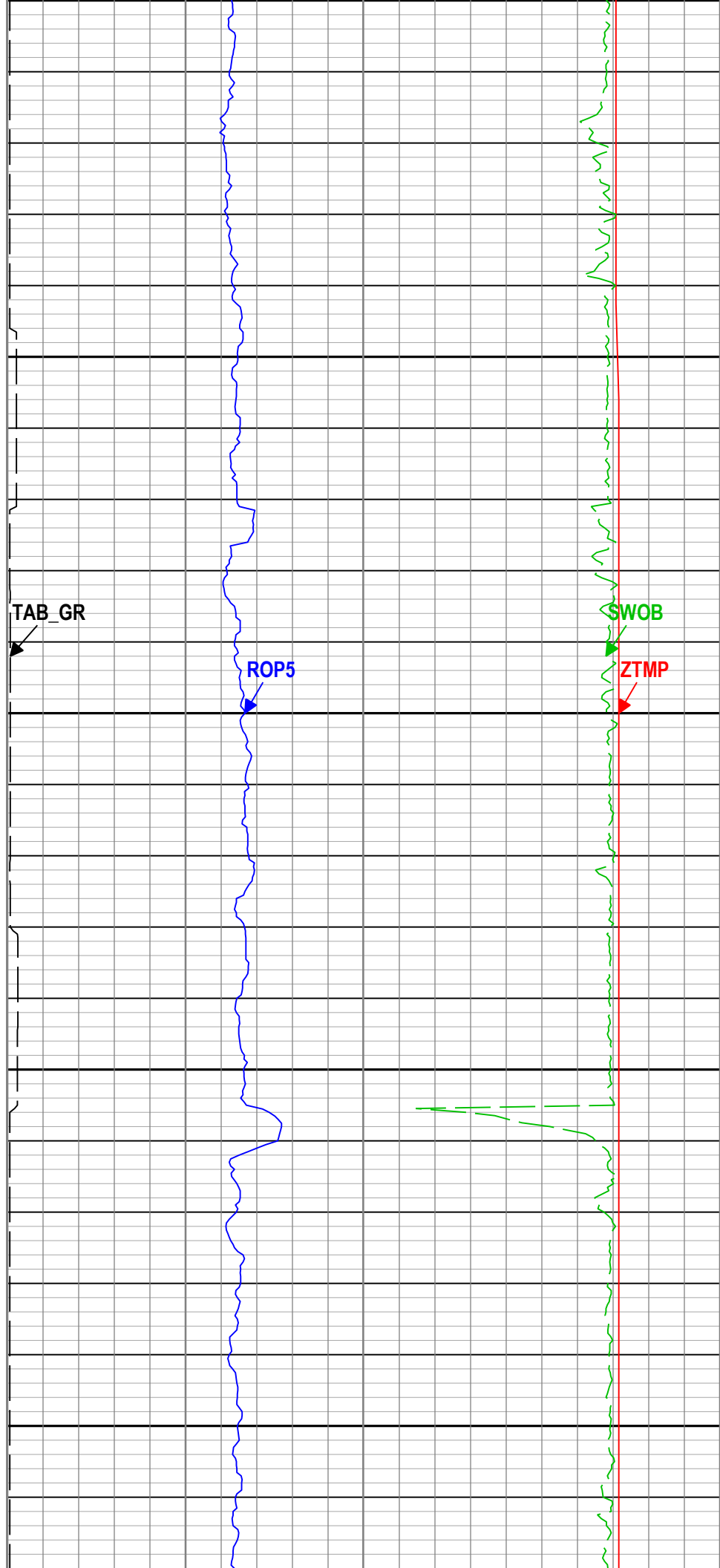
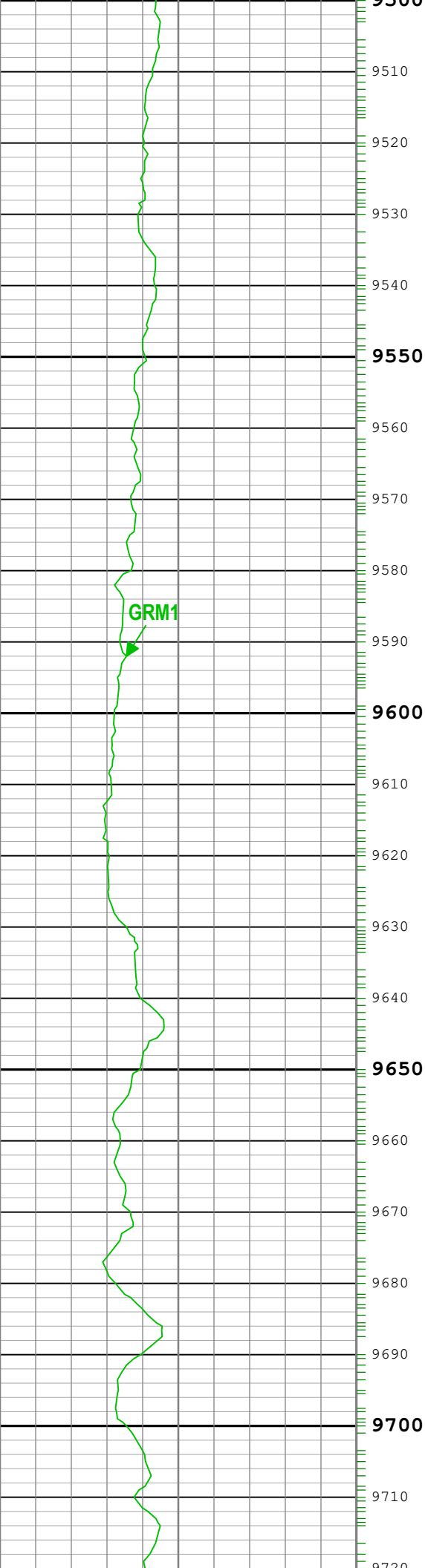


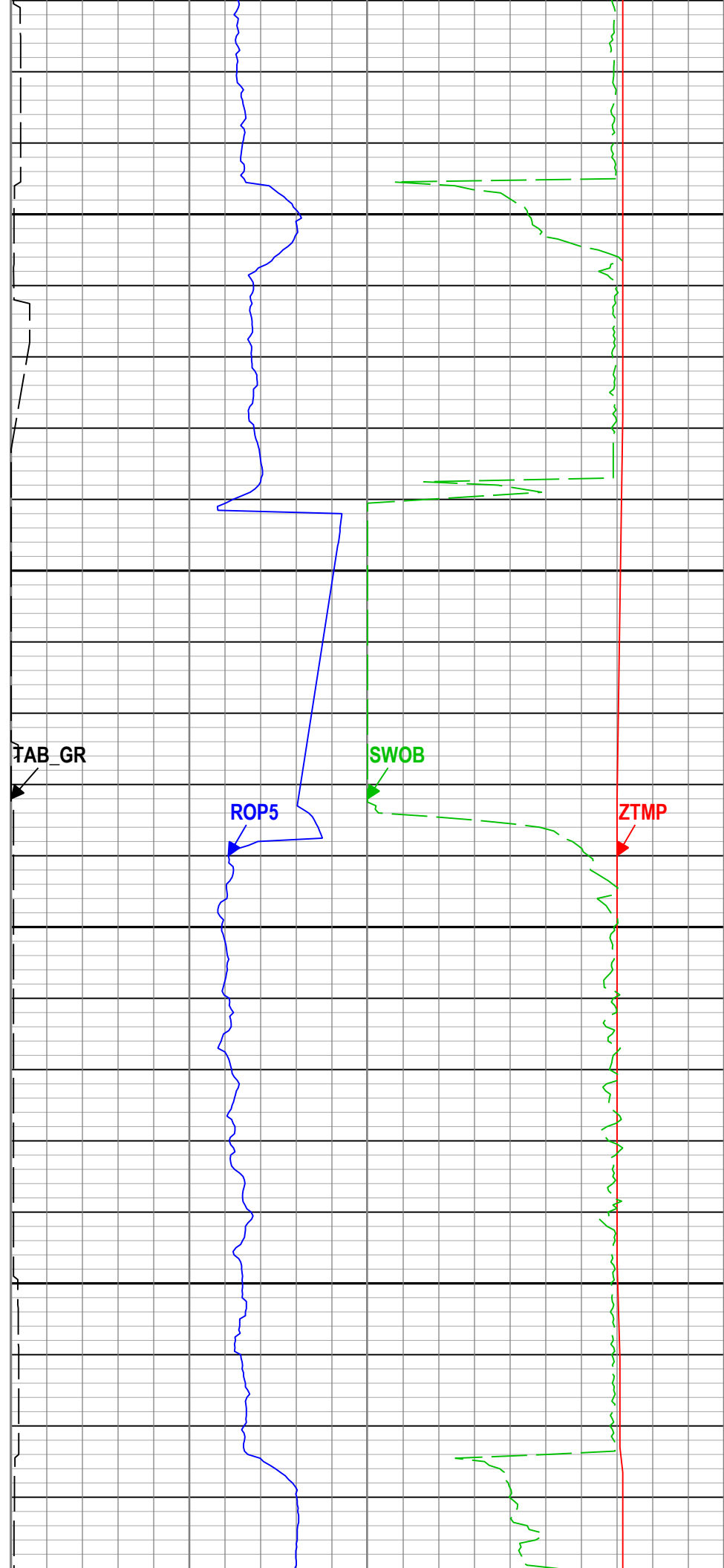
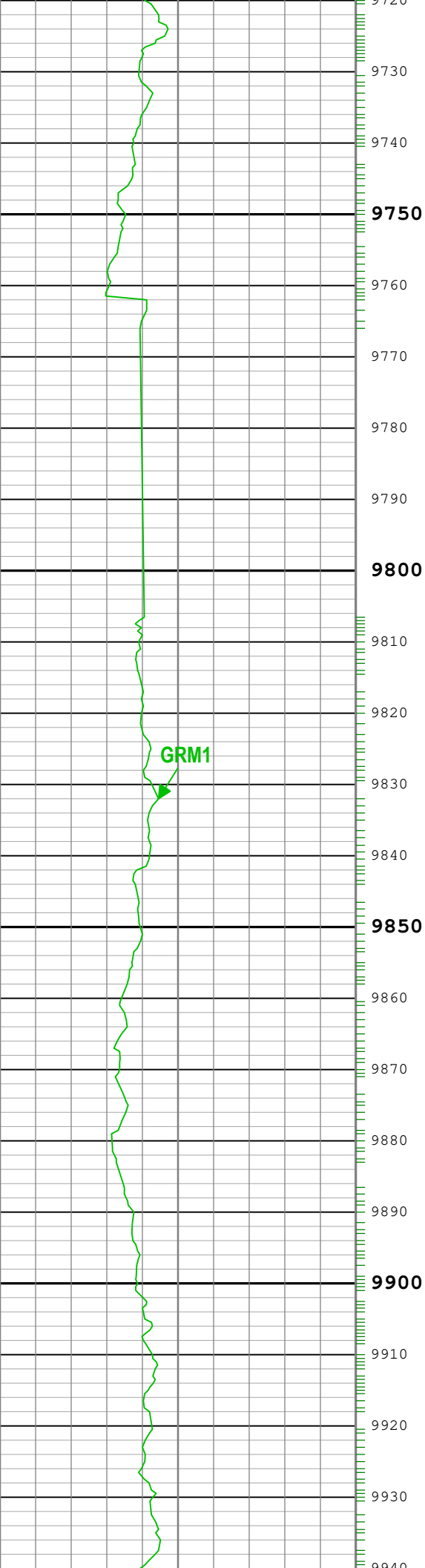


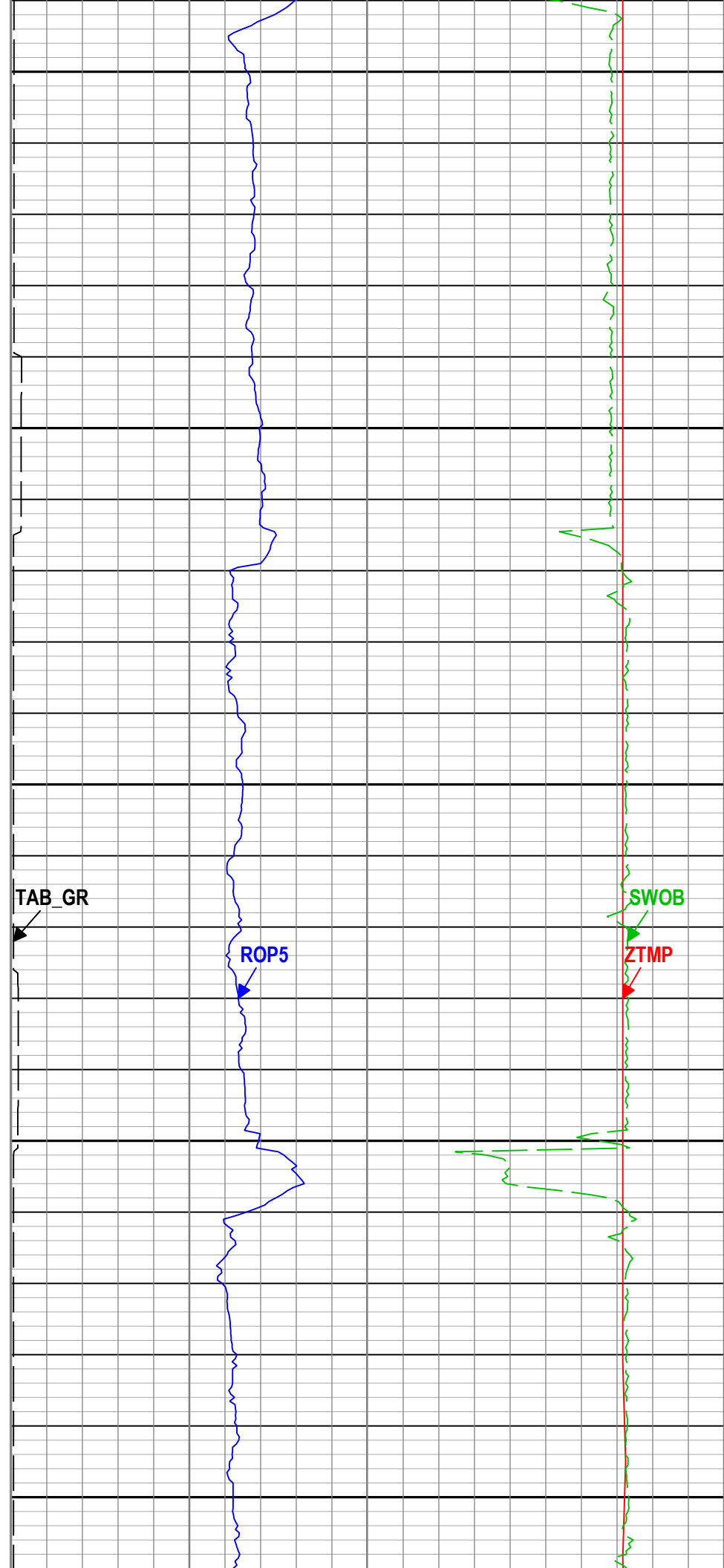
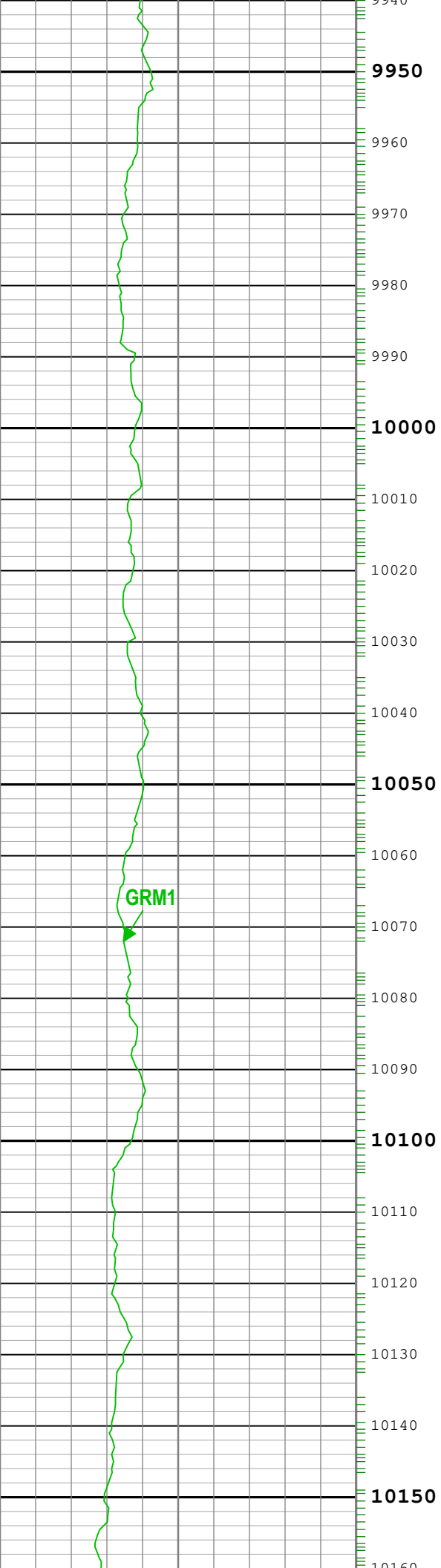


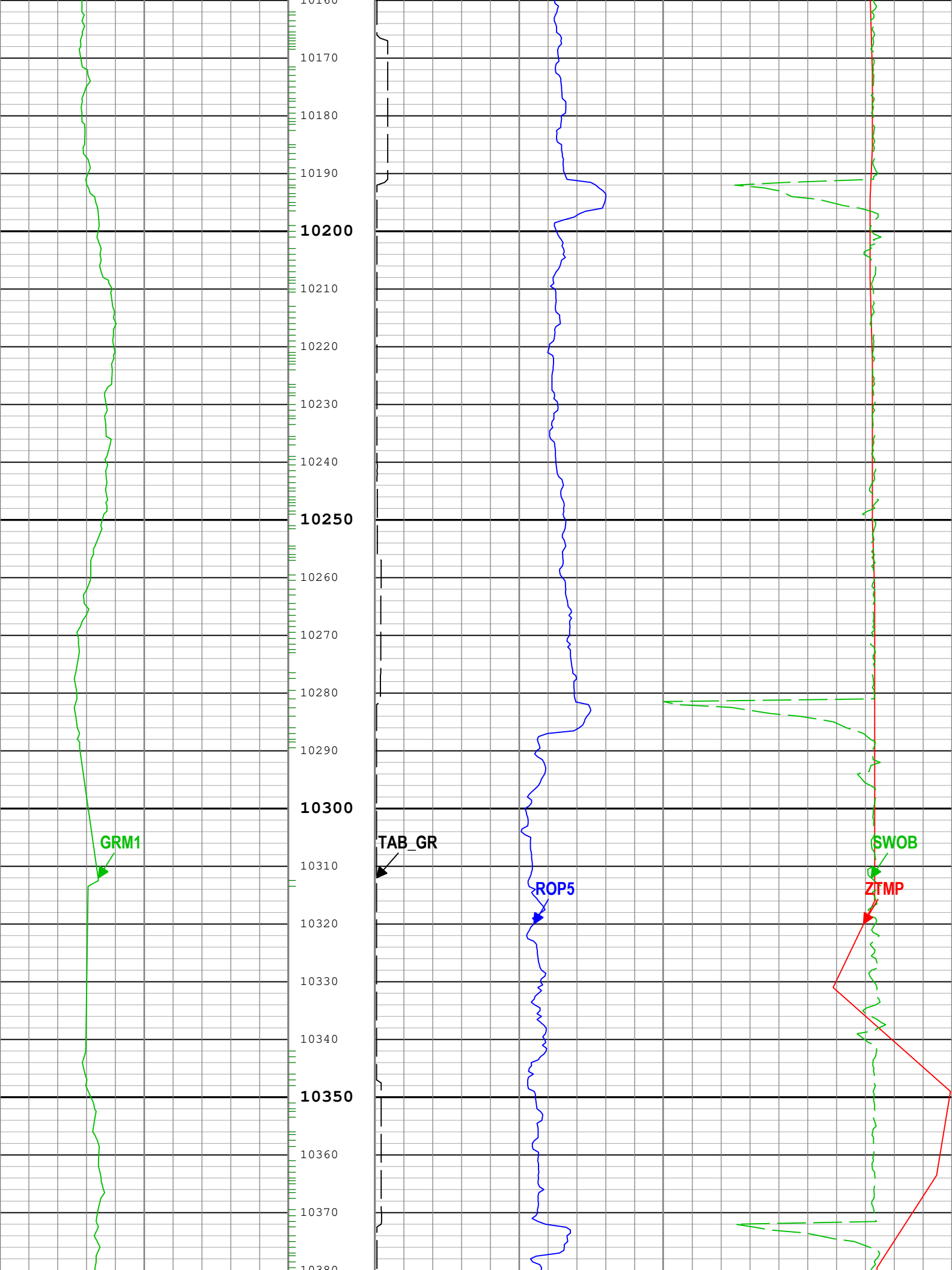


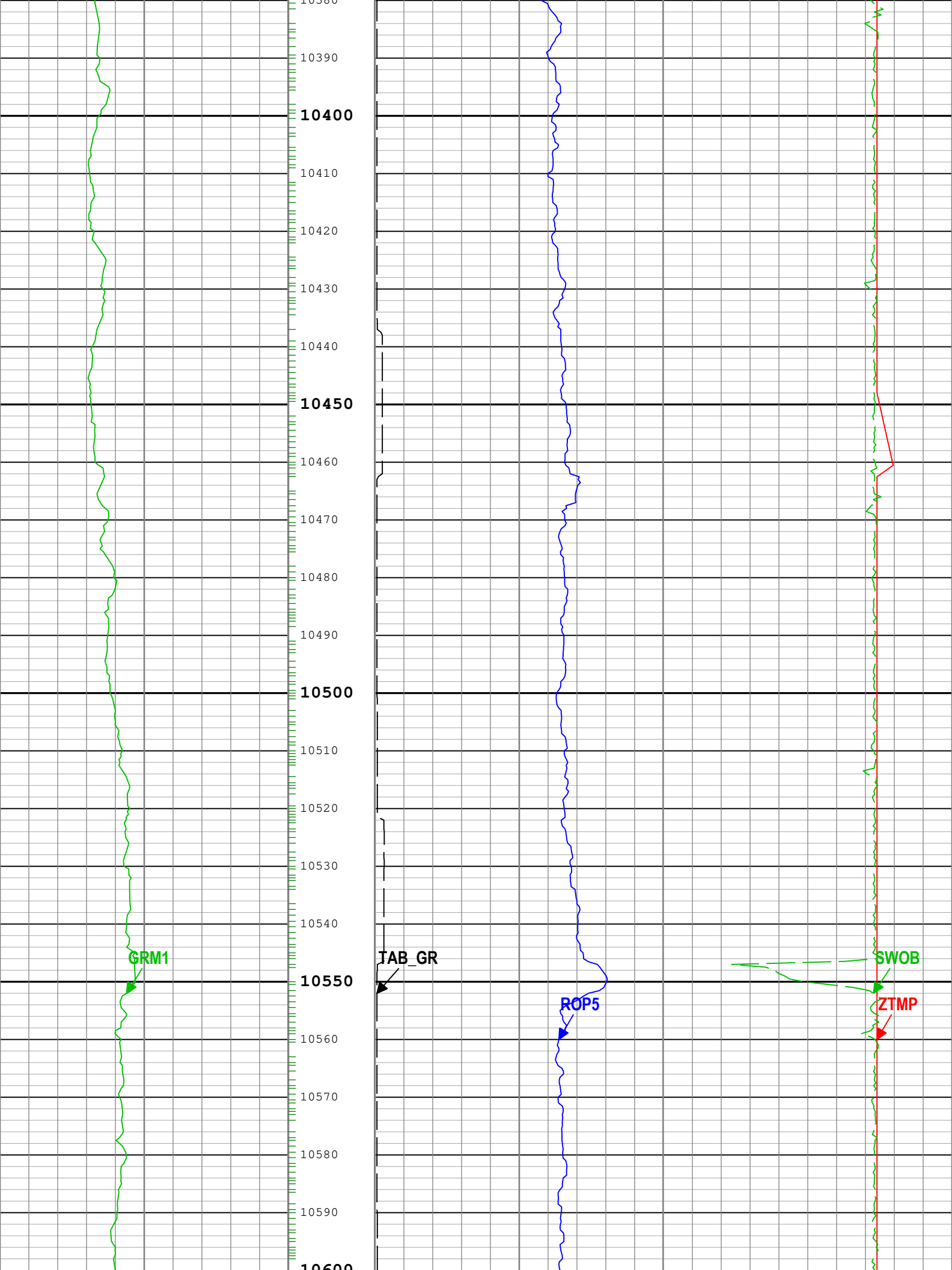


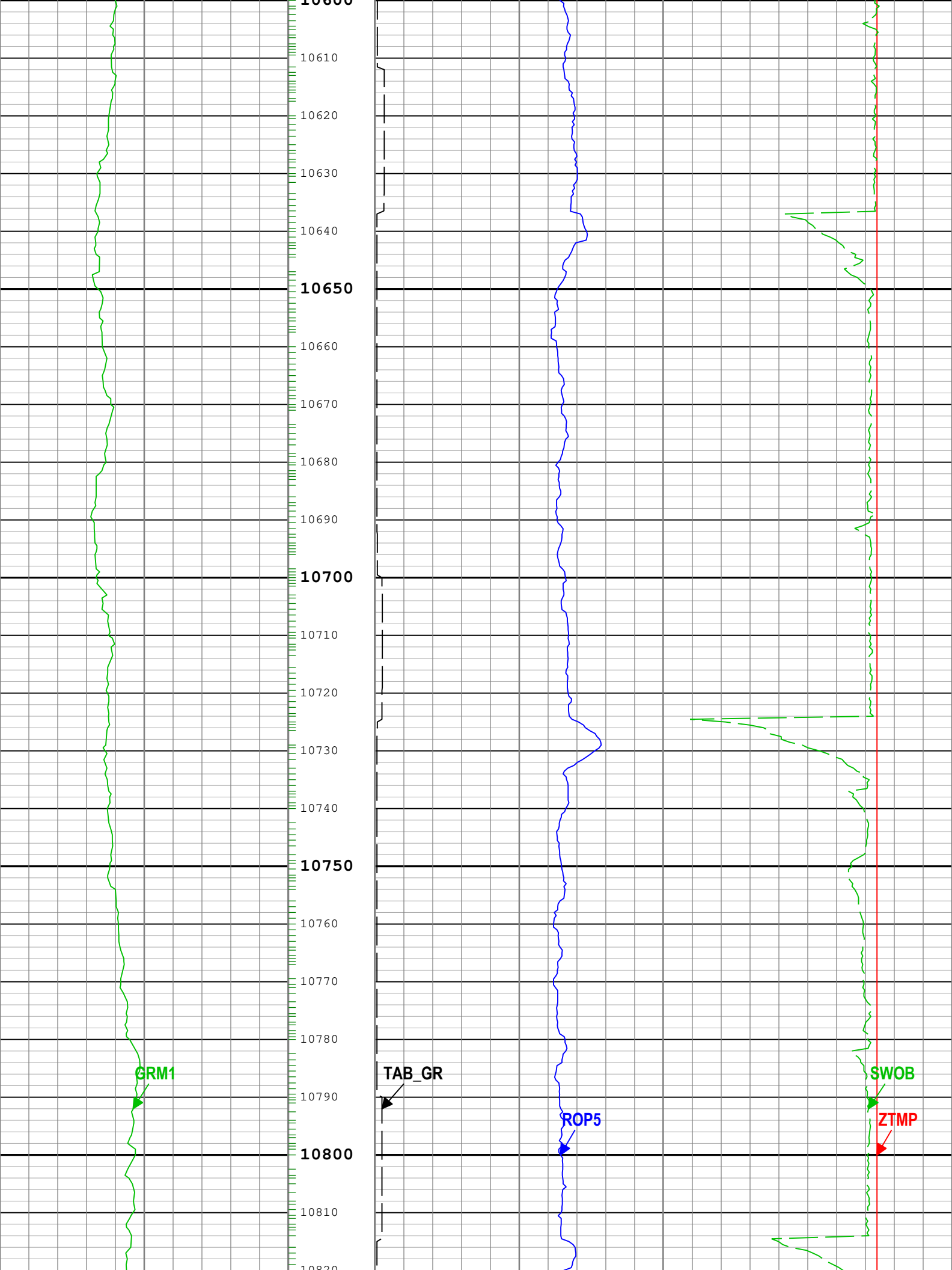


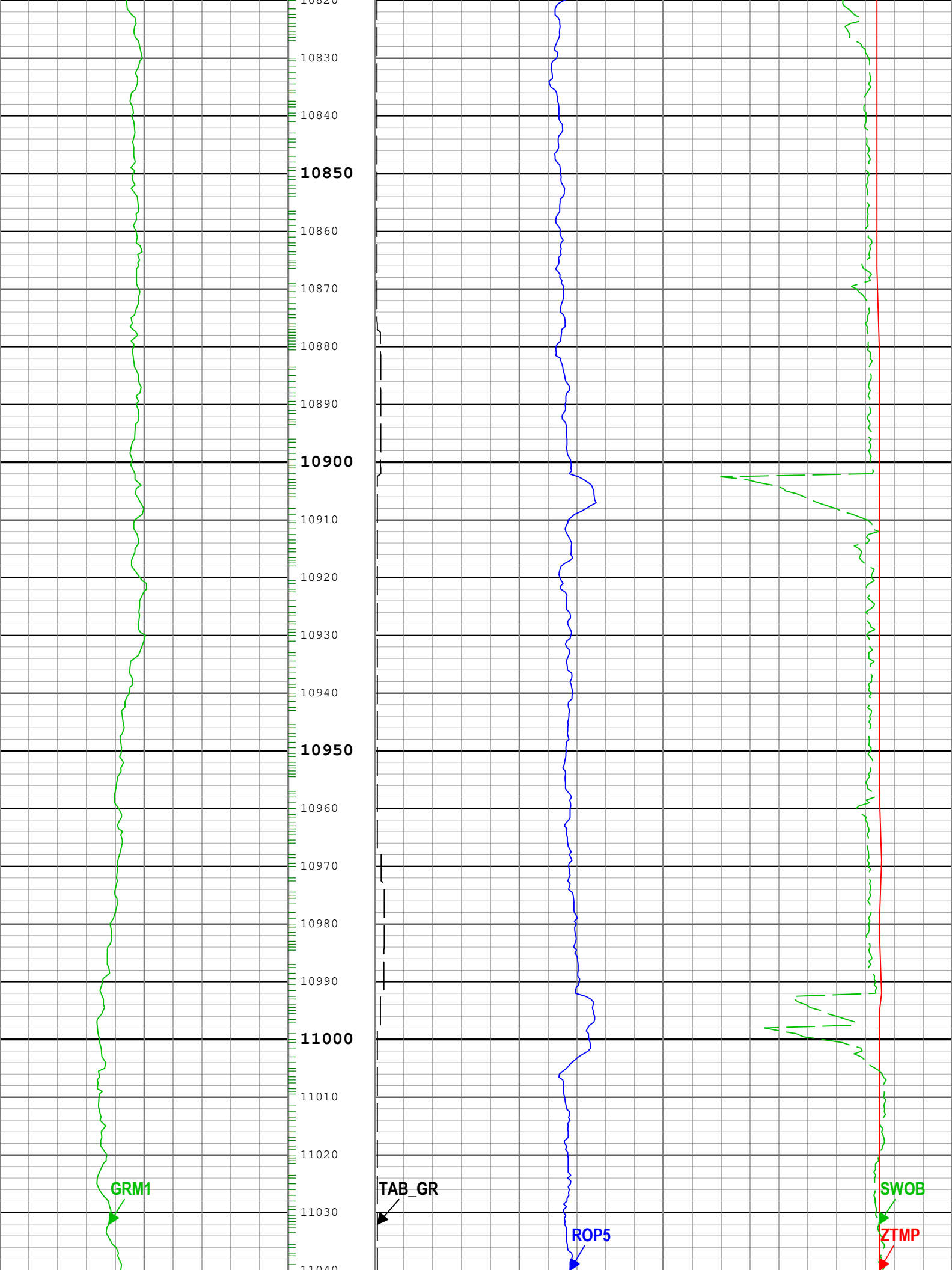


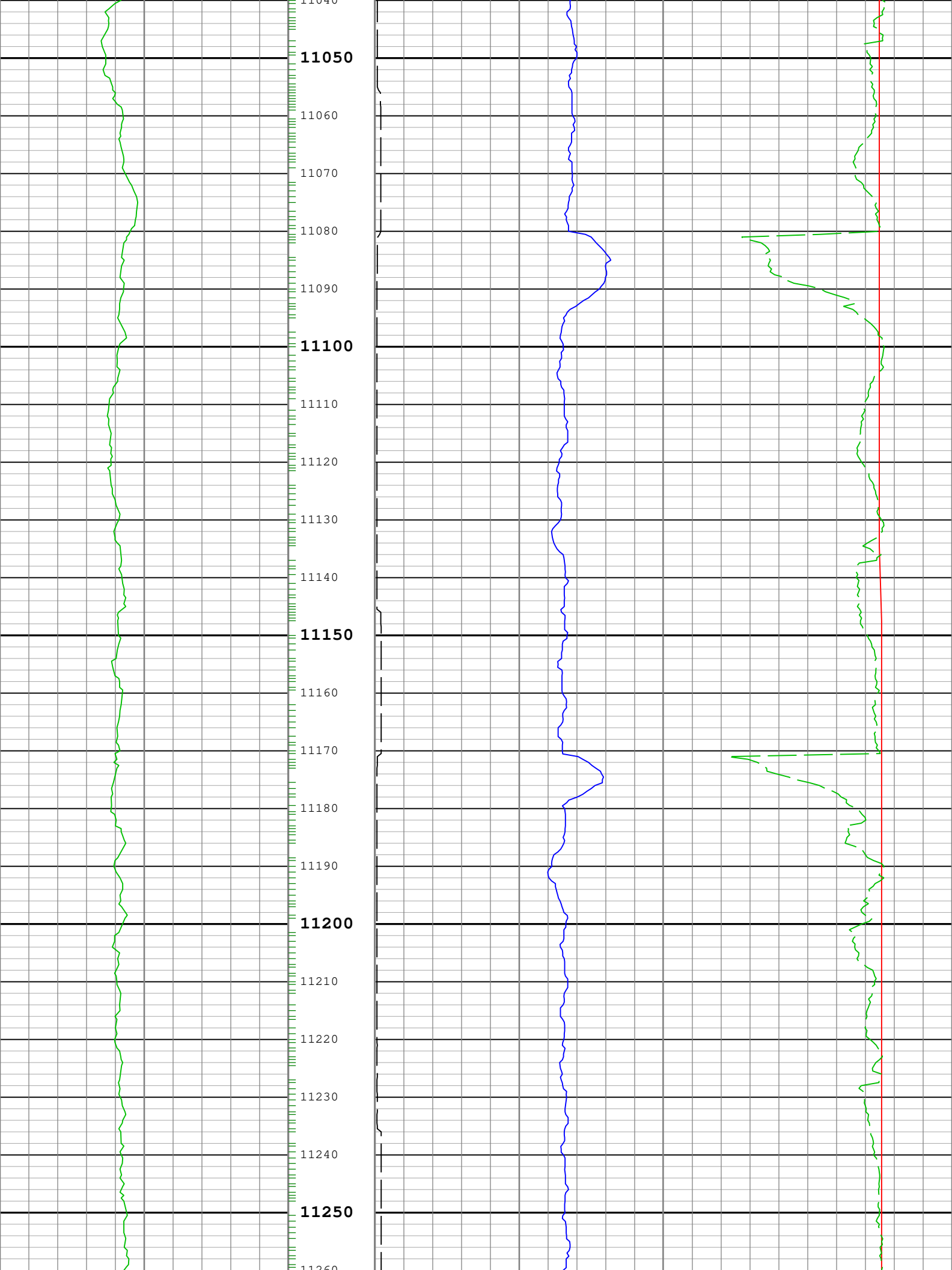


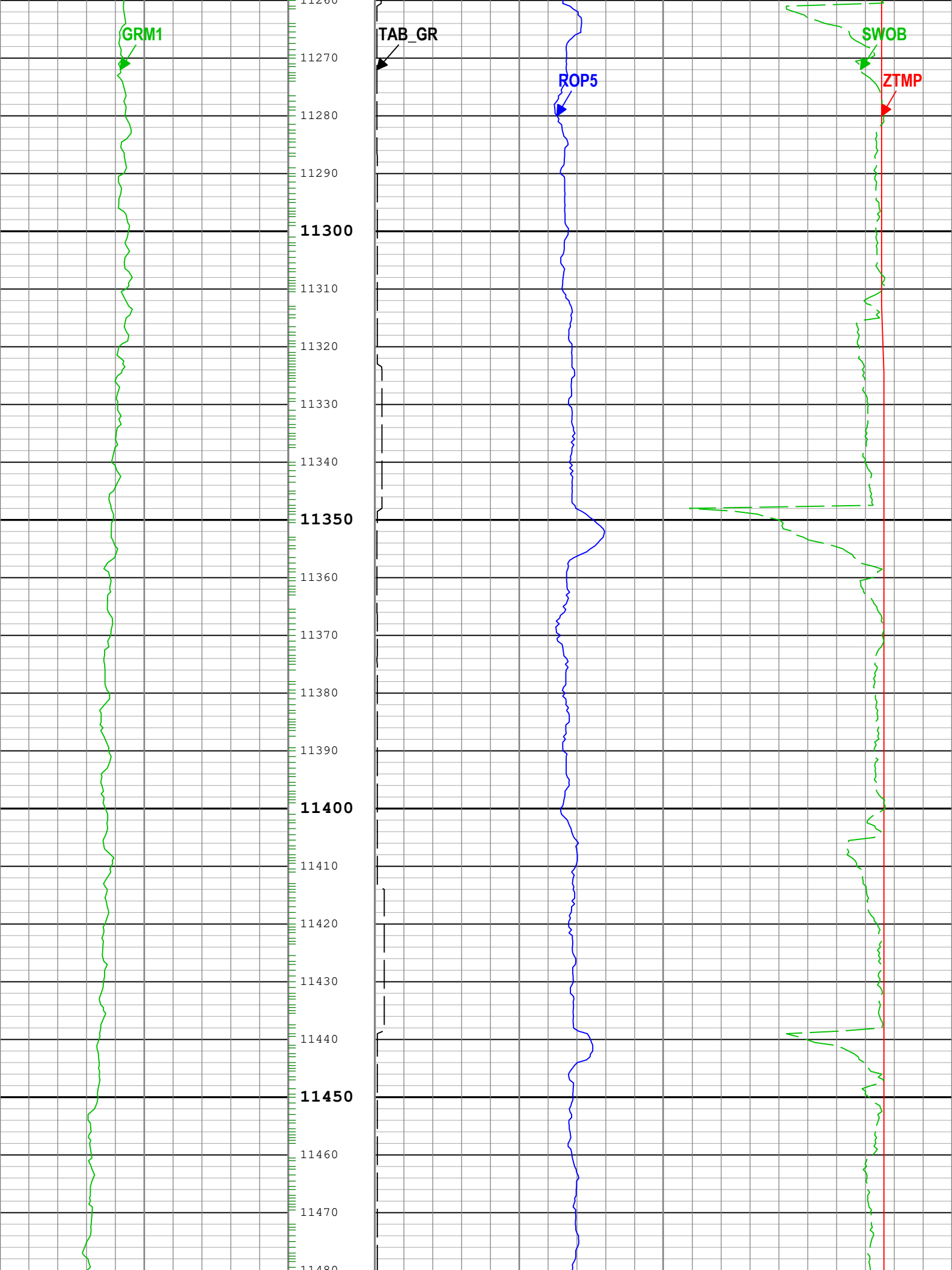


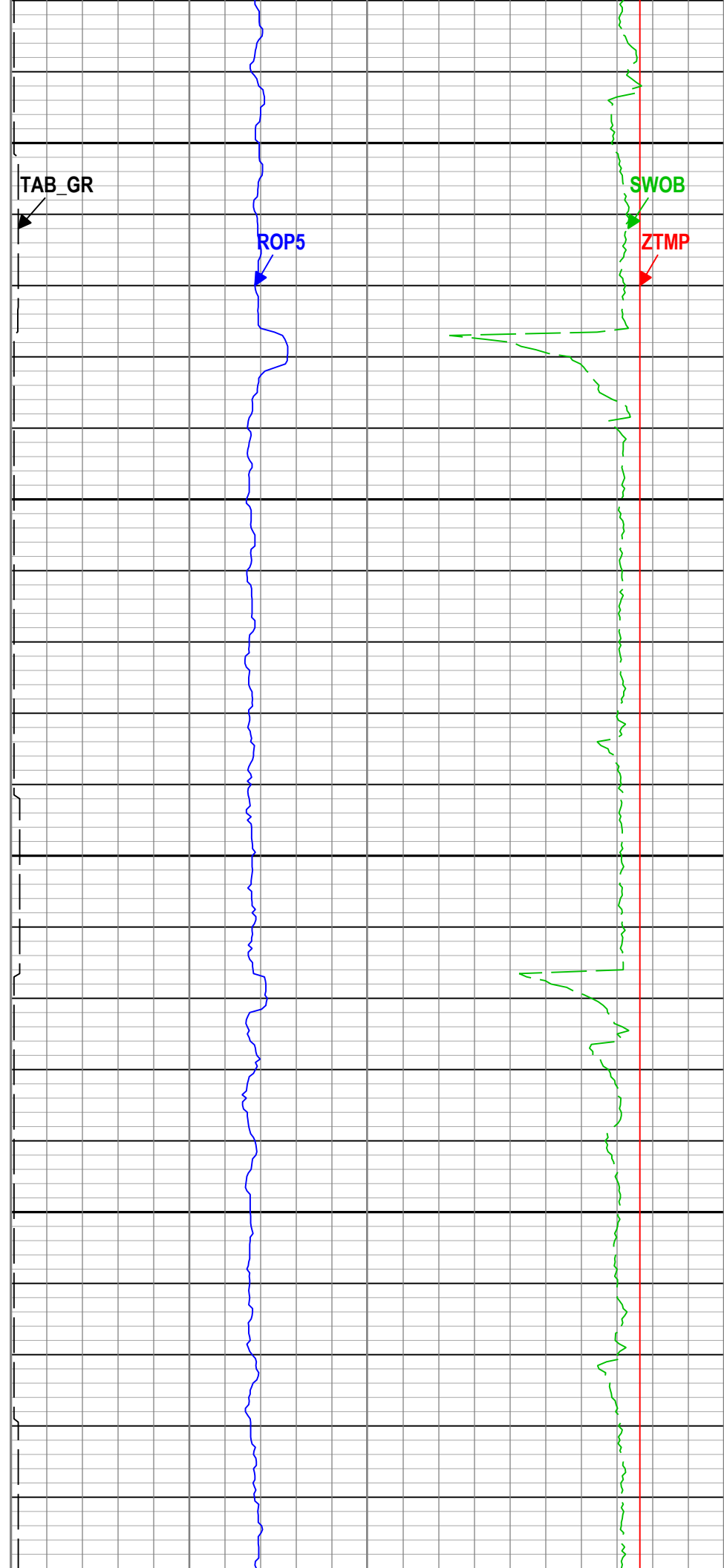
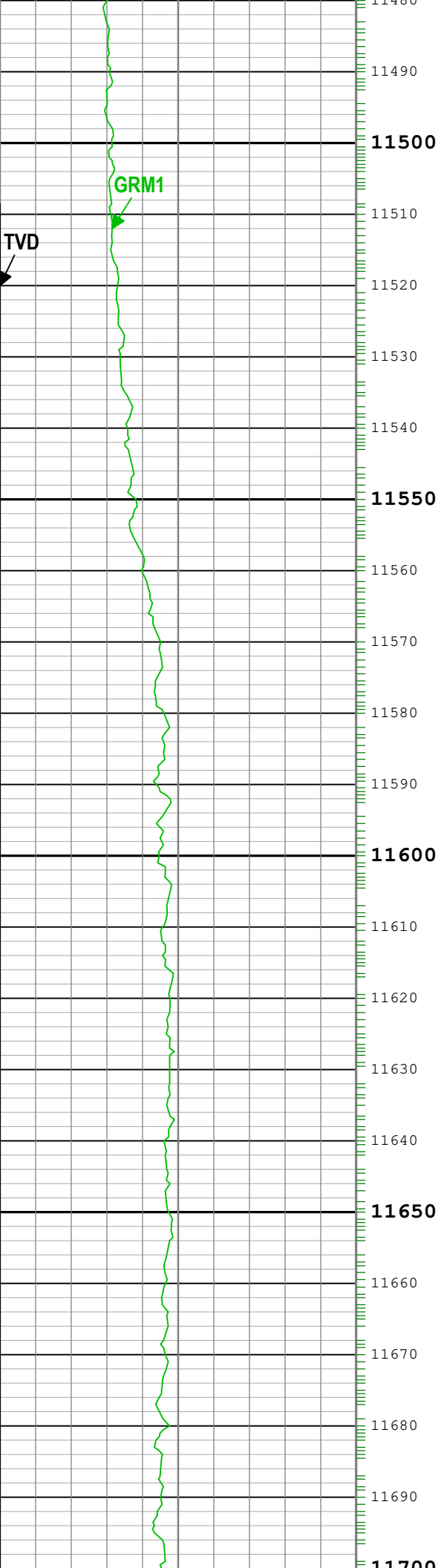


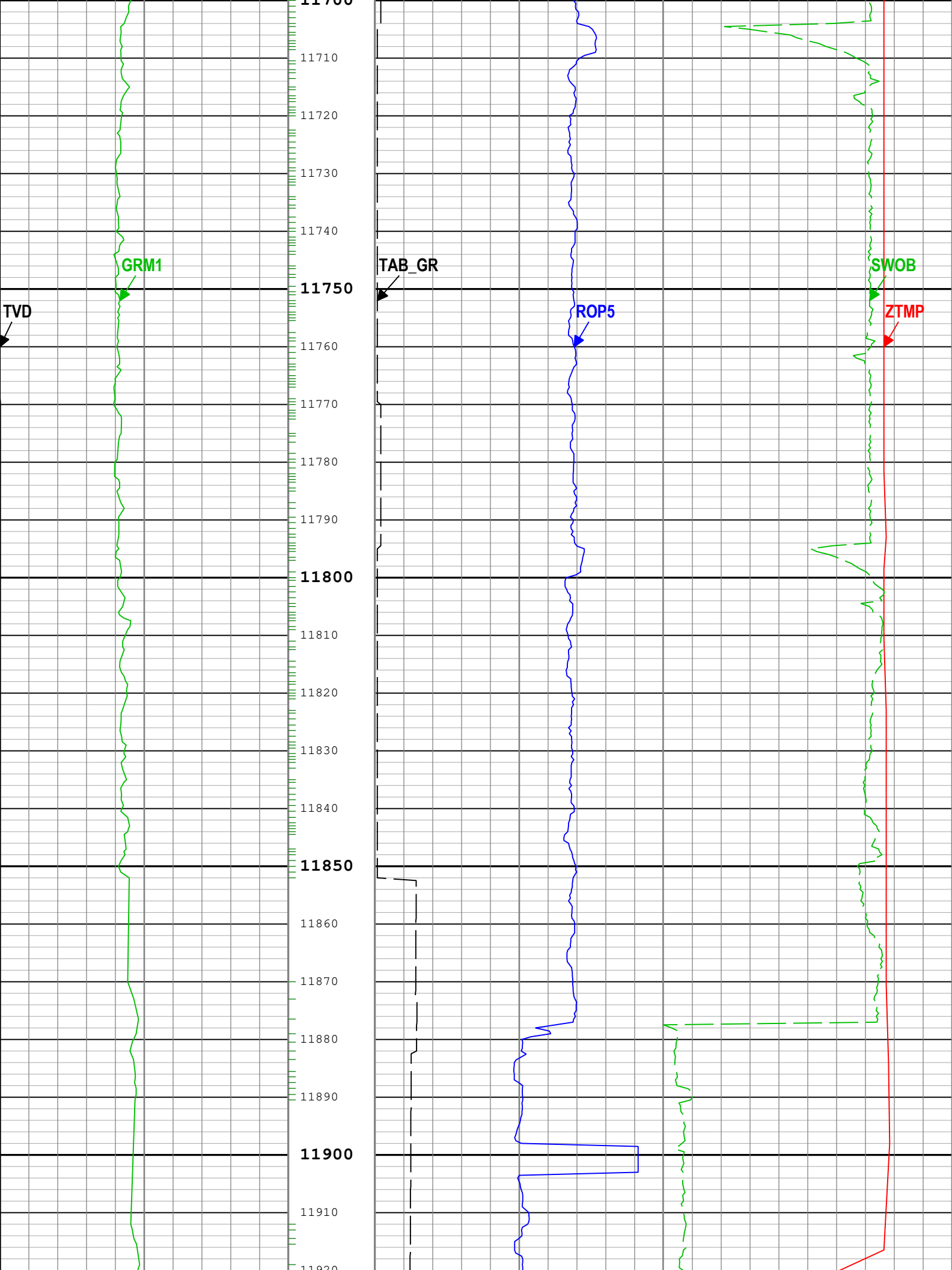


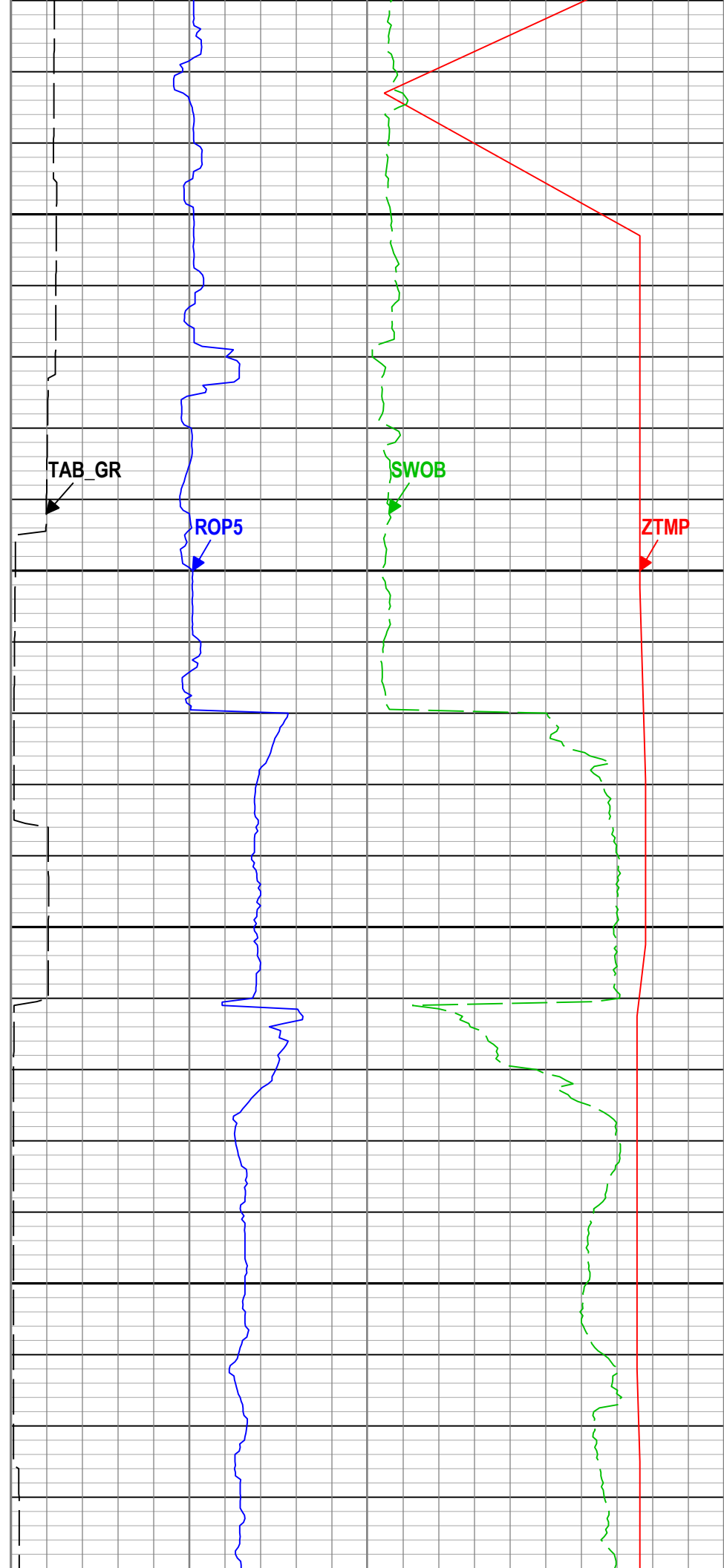
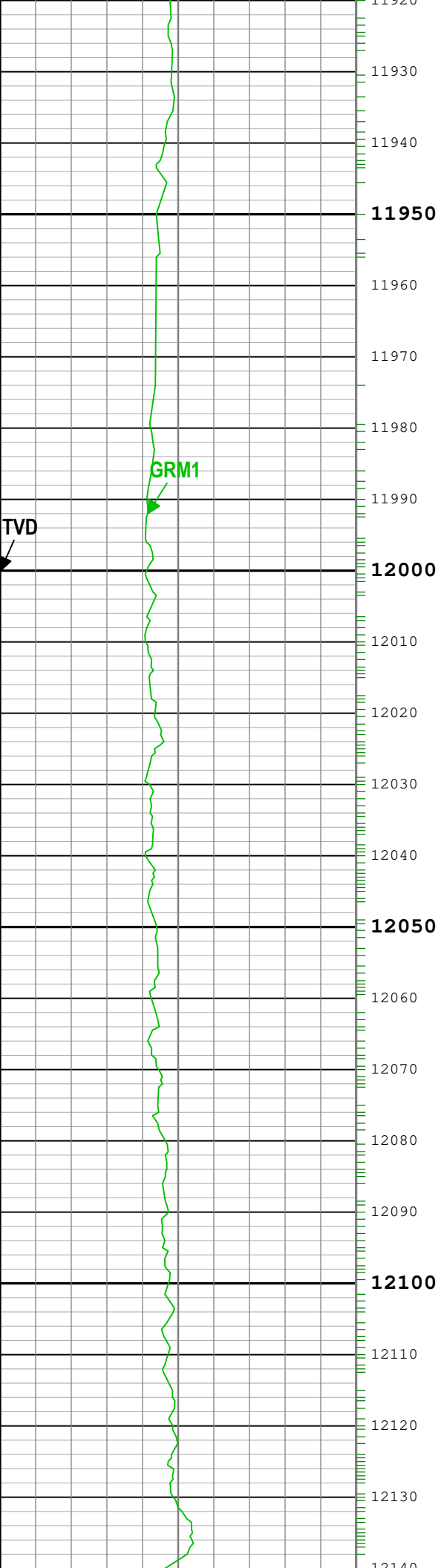


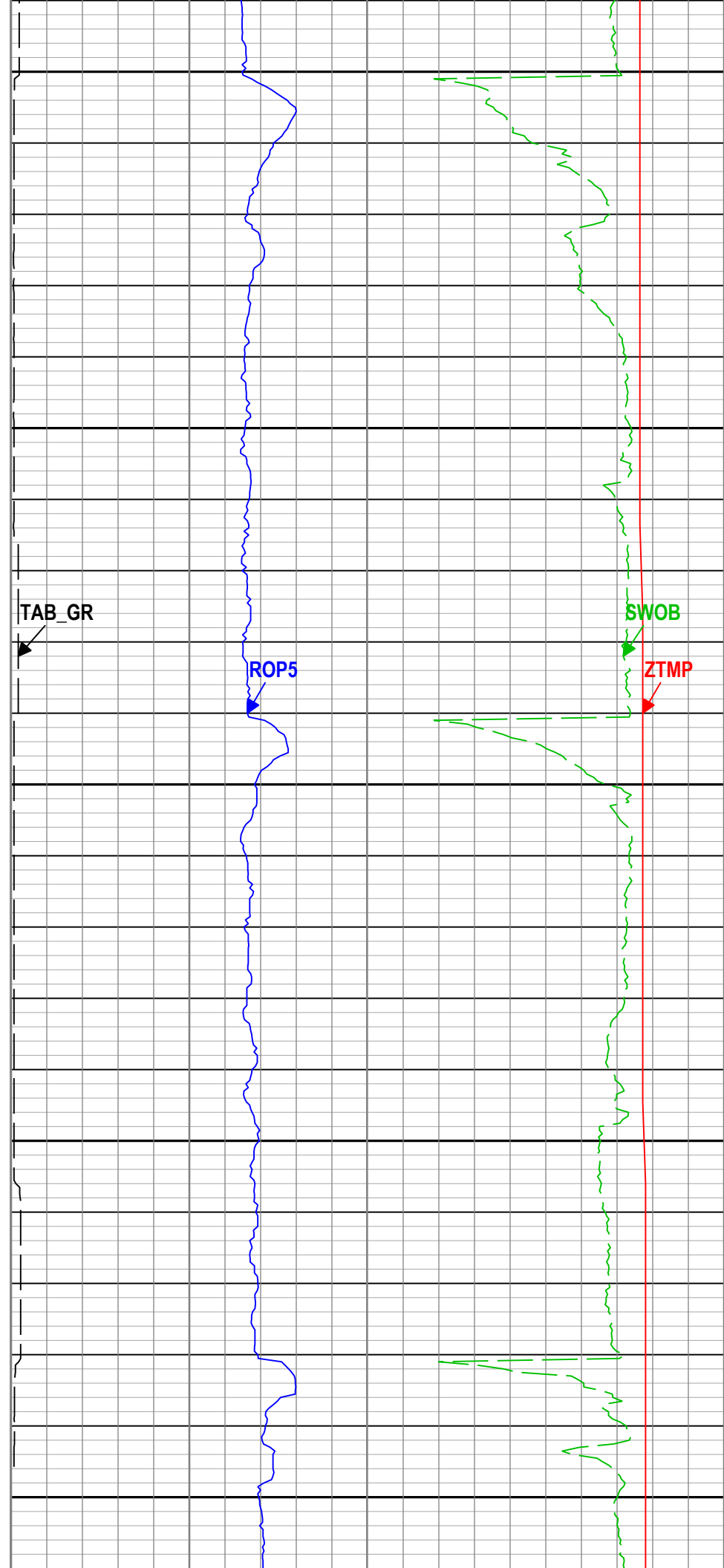
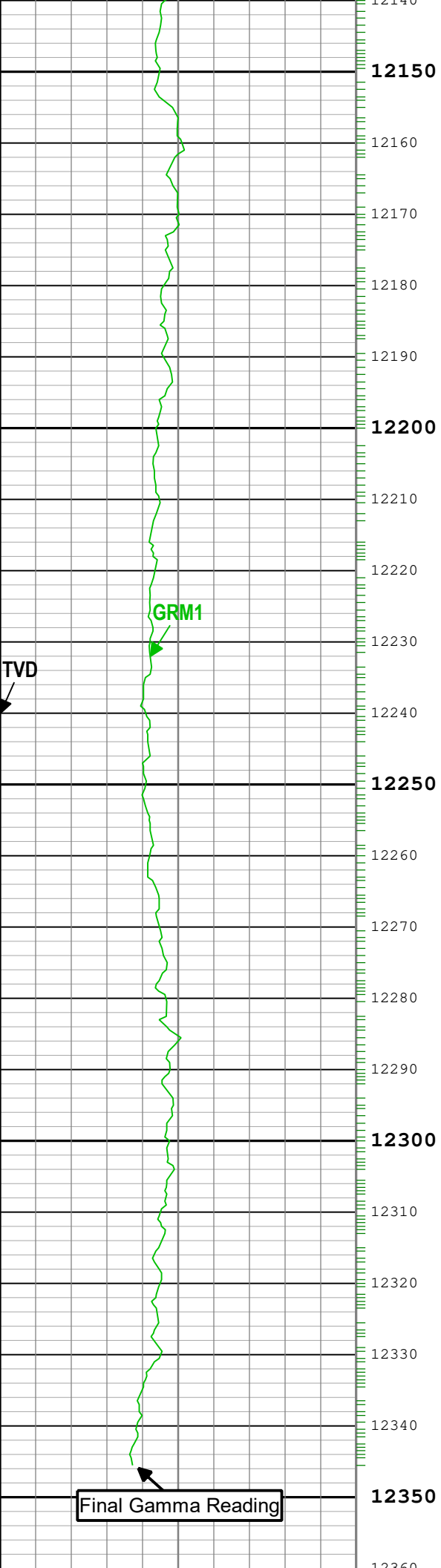














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XEM Gamma Ray
5in/100ft Measured Depth
Real Time, Composite Log