

Company: SRC Energy

Well: Golden Eagle 28N-1B-M

Field: Wattenberg

County: Weld County

State: Colorado

Country: United State of America

Section: 06 APIN: 05-123-50123

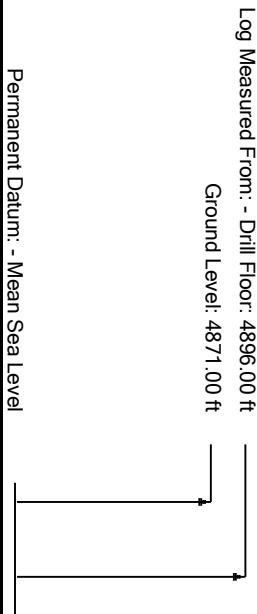
Township: 06N Rig Name: Precision 562

Range: 66W Rig Type: Land Rig

FL: NAD 83 NZ Colorado State Plane, US Feet

FL1: X: 3190536.323 ftUS

FL2: Y: 1433355.39 ftUS



Acquisition Dates:	26-May-2019 -- 30-May-2019	Other Services:
Log Interval:	1818.08(ft) -- 15097.92(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:	3rd Party Depth	
Print Type:	Final	
Spud Date:	26-MAY-2019	

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.

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Well Sketch

Driller Depth

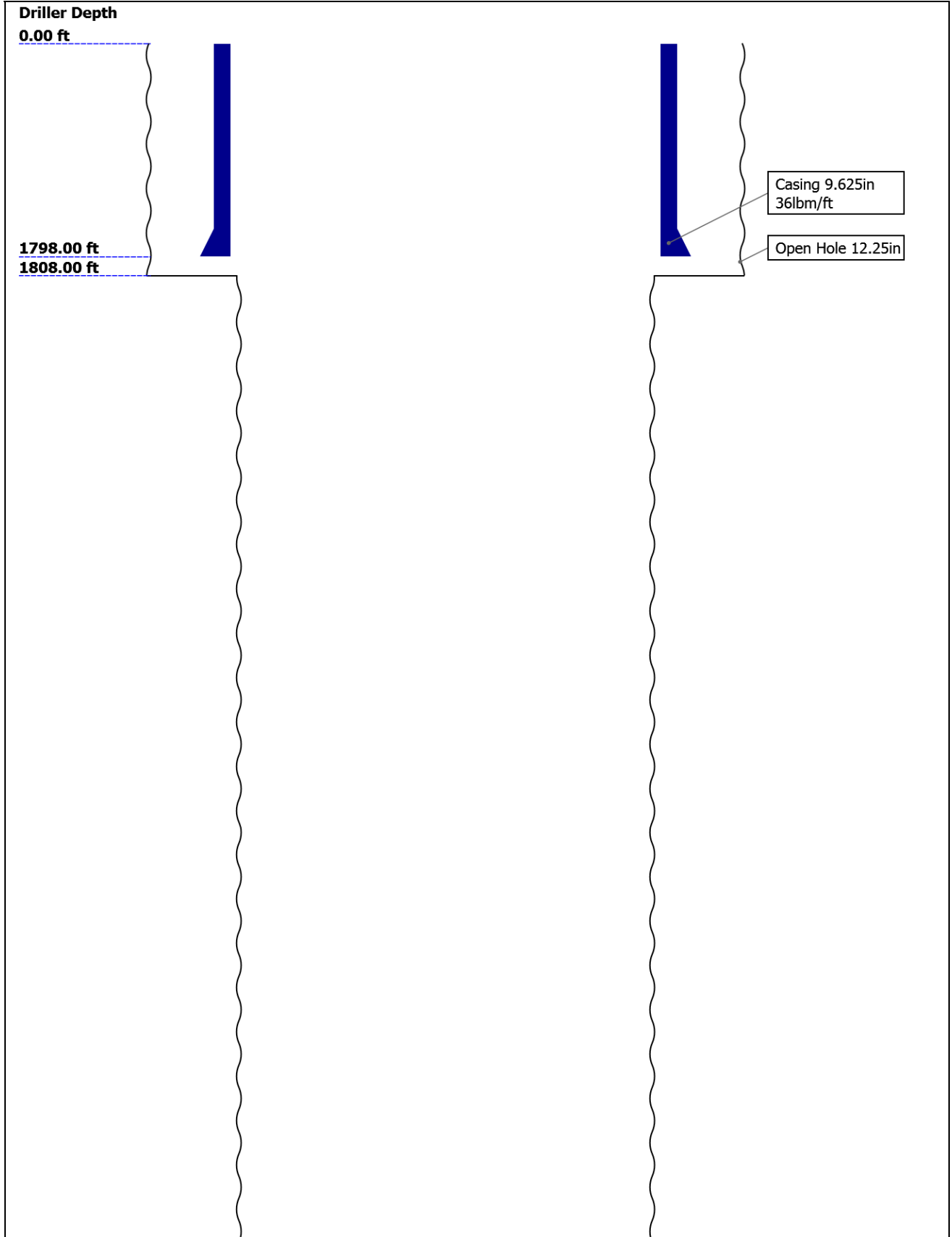
0.00 ft

1798.00 ft

1808.00 ft

Casing 9.625in
36lbm/ft

Open Hole 12.25in





Borehole Size/Casing Record

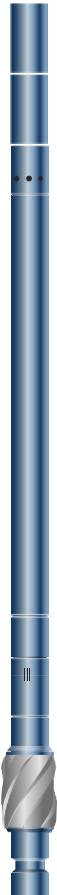
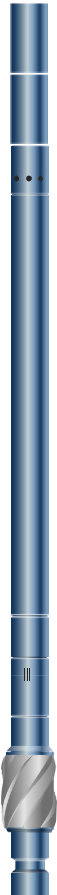
Bit						
Bit Size (in)	12.25	8.5				
Top Driller (ft)	0	1808				
Bottom Driller (ft)	1808	15097.92				
Casing						
Size (in)	9.625					
Weight (lbm/ft)	36					
Inner Diameter (in)	8.921					
Grade	J55					
Top Driller (ft)	0					
Bottom Driller (ft)	1798					

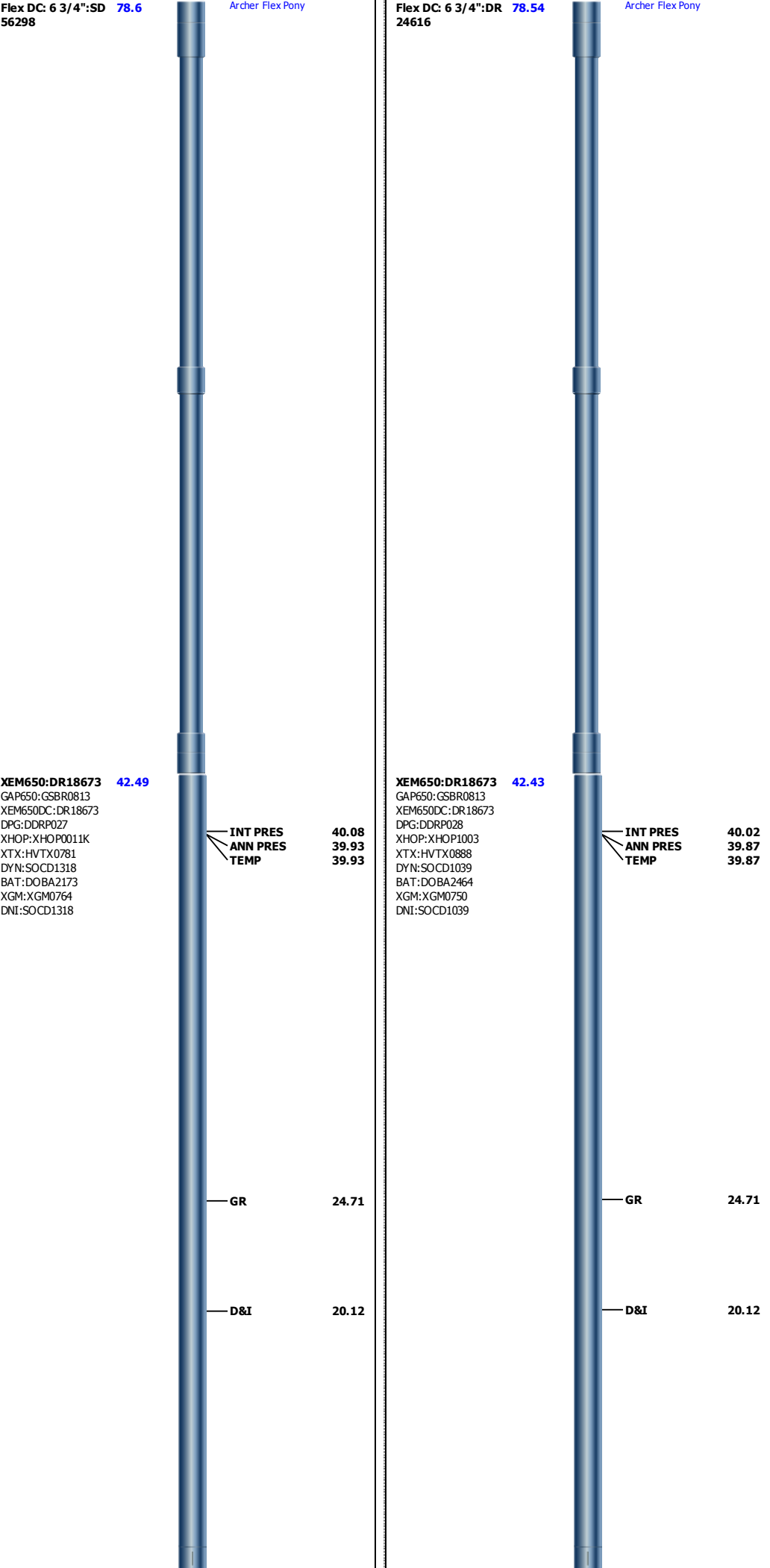
Operational Run Summary

Parameter (unit)	Run001	Run002				
Date Log Started	26-May-2019	27-May-2019				
Time Log Started	14:41:39	09:00:49				
Date Log Finished	27-May-2019	30-May-2019				
Time Log Finished	08:27:10	00:51:19				
Bit Size (in)	8.500	8.500				
Bit Start Depth (ft)	1818.08	2098.25				
Bit Stop Depth (ft)	2098.17	15097.92				
Top Log Interval (ft)	1808.00	1808.00				
Bottom Log Interval (ft)	2077.00	15098.00				
Max Hole Deviation (deg)	11.95	91.93				
Azimuth of Max Deviation (deg)	46.58	269.95				
Logging Unit Number						
Logging Unit Location						
Recorded By	K.Behla	K.Behla				
Witnessed By	M.Armstrong	V.Camargo				
Service Order Number	19CCO0990	19CCO0990				

Borehole Fluids

Parameter(unit)	Run001	Run002				
Fluid Type	Oil	Oil				
Fluid Name	Diesel	Diesel				
Max Recorded Temperatures (degF)	100	253				
Source of Sample	Active Tank	Active Tank				
Salinity (ppm)	0	29.5				
Density (lbm/gal)	10	9.7				
Funnel Viscosity (s)	63	58				
Fluid Loss (cm3)	181	228.59				
PH						
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)	1020	950				
Oil/Water	85/15 (5.85)	86/14 (6.35)				
Total Solid (%)	11	12				
High Gravity Solids (%)		5.42				
Remarks and Equipment Summary						

Run001: Remarks		Run002: Remarks			
Run001: Toolstring		Run002: Toolstring			
<div> <div> <div>Equip name</div> <div>Filtr Sub: 6 3/4":SD 117870</div> </div> <div> <div>Length</div> <div>125.57</div> </div> <div> <div>MP name</div> <div>Diffuser Sub</div> </div> <div>Offset</div> </div> <div> <div> <div>Filtr Sub: 6 3/4":SD1 10251</div> <div>120.13</div> </div> <div> <div>Double Bore Float</div> </div> </div> <div> <div> <div>Motor: 6 3/4":7106</div> <div>117.44</div> </div> <div> <div>Hunting Vortex Motor</div> </div> </div> 		<div> <div> <div>Equip name</div> <div>Filtr Sub: 6 3/4":SD 117870</div> </div> <div> <div>Length</div> <div>125.51</div> </div> <div> <div>MP name</div> <div>Diffuser Sub</div> </div> <div>Offset</div> </div> <div> <div> <div>Filtr Sub: 6 3/4":SD1 10251</div> <div>120.07</div> </div> <div> <div>Double Bore Float</div> </div> </div> <div> <div> <div>Motor: 6 3/4":7106</div> <div>117.38</div> </div> <div> <div>Hunting Vortex Motor</div> </div> </div> 			



PDCOPIBANA_675: 8.1
ENP-090
PD675CC:54721
Impeller Set
PDCU:ENP-090
Gamma Set
PDCOPIBANA675BU:E
NP-090

Azimuth 7.95
D&I 5.75
GR 4.95
Anchor Bolt 2.55

Bit: 8 1/2":JP1009 0.61

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

PDCOPIBANA_675: 8.04
ENP-090
PD675CC:54721
Impeller Set
PDCU:ENP-090
Gamma Set
PDCOPIBANA675BU:E
NP-090

Azimuth 7.94
D&I 5.74
GR 4.94
Anchor Bolt 2.54

Bit: 8 1/2":JP3758 0.6

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

Well Composite

Software Version

Acquisition System

Maxwell 2018 SP2

Version

8.2.104493.3100

Composite Summary

Run Name	Pass Objective	Direction	Top	Bottom	Start	Stop	Include Parallel Data
Run001	Drilling	Down	1818.08 ft	2098.17 ft	26-May-2019 9:13:12 PM	27-May-2019 8:27:10 AM	No
Run002	Drilling	Down	2098.25 ft	15097.92 ft	27-May-2019 9:53:10 AM	30-May-2019 12:51:19 AM	No

All depths are referenced to toolstring zero

Log

Company:SRC Energy

Well:Golden Eagle 28N-1B-M

Well Composite:S309

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: 31-May-2019 19:11:39

GRM1 - Gamma Ray Extreme[1] RT

Rate of penetration averaged over the last 5 ft
(1.5 m) (ROP5) RT

1000 ft/h 0

Cartridge Temperature (ZTMP) Extreme[1] RT

0 degF 300

Gamma Ray Time after Bit (TAB_GR)
Extreme[1]

0 h 10

Surface Weight On Bit (SWOB) RT

0 1000 lbf 50

Gamma Ray (GRM1) Extreme[1] RT

0 gAPI 300

True Vertical Depth (TVD) RT

7500 ft 1500

First Gamma Reading

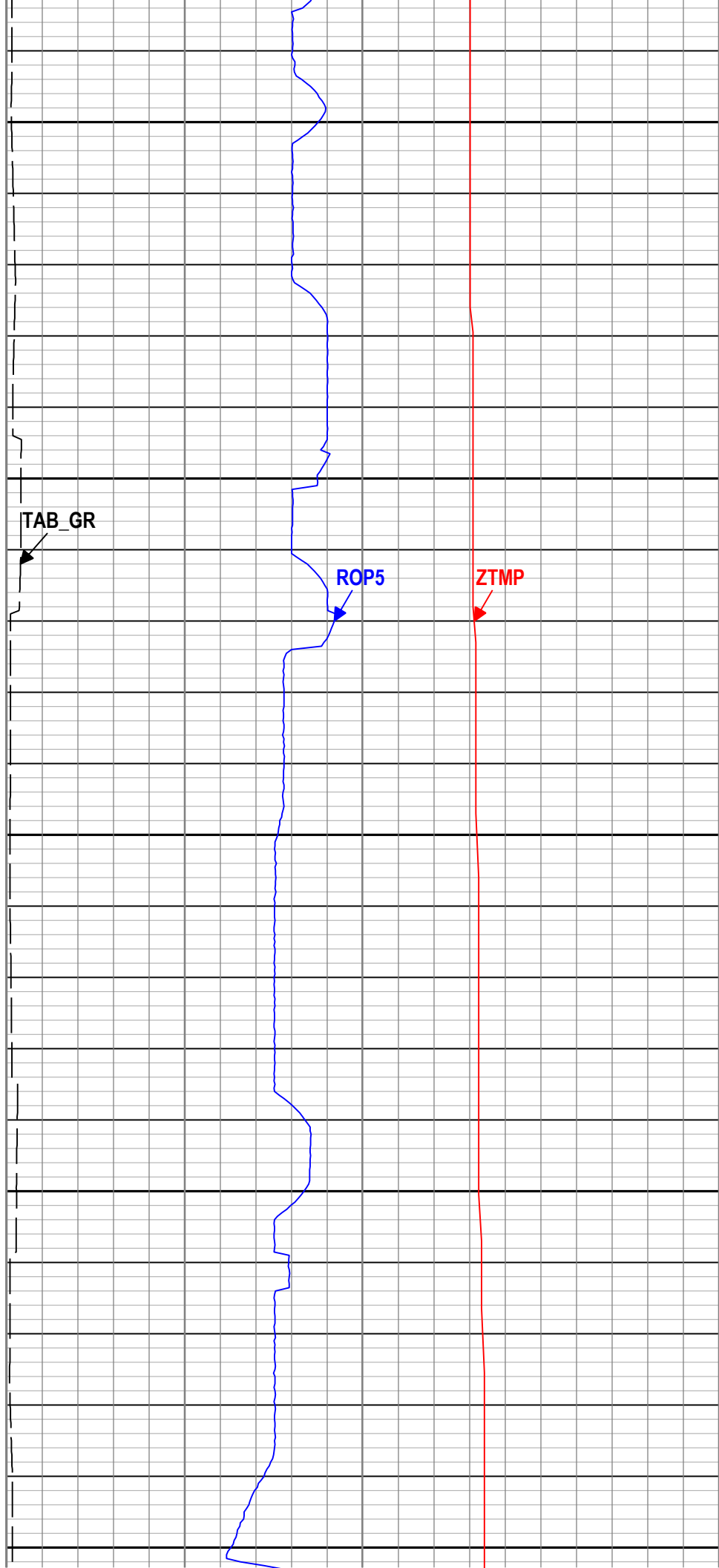
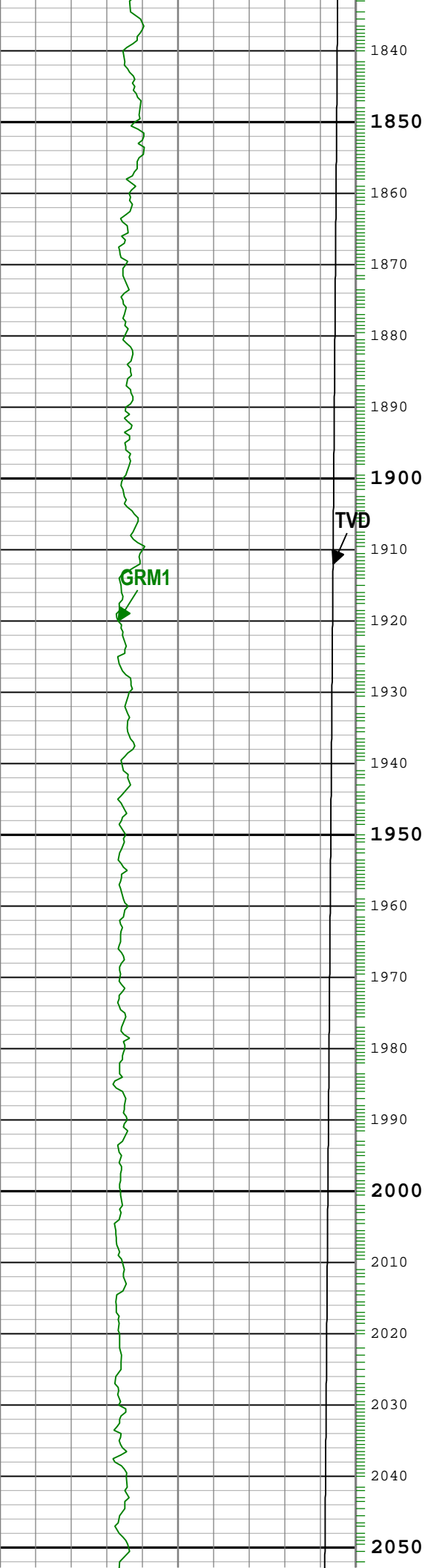
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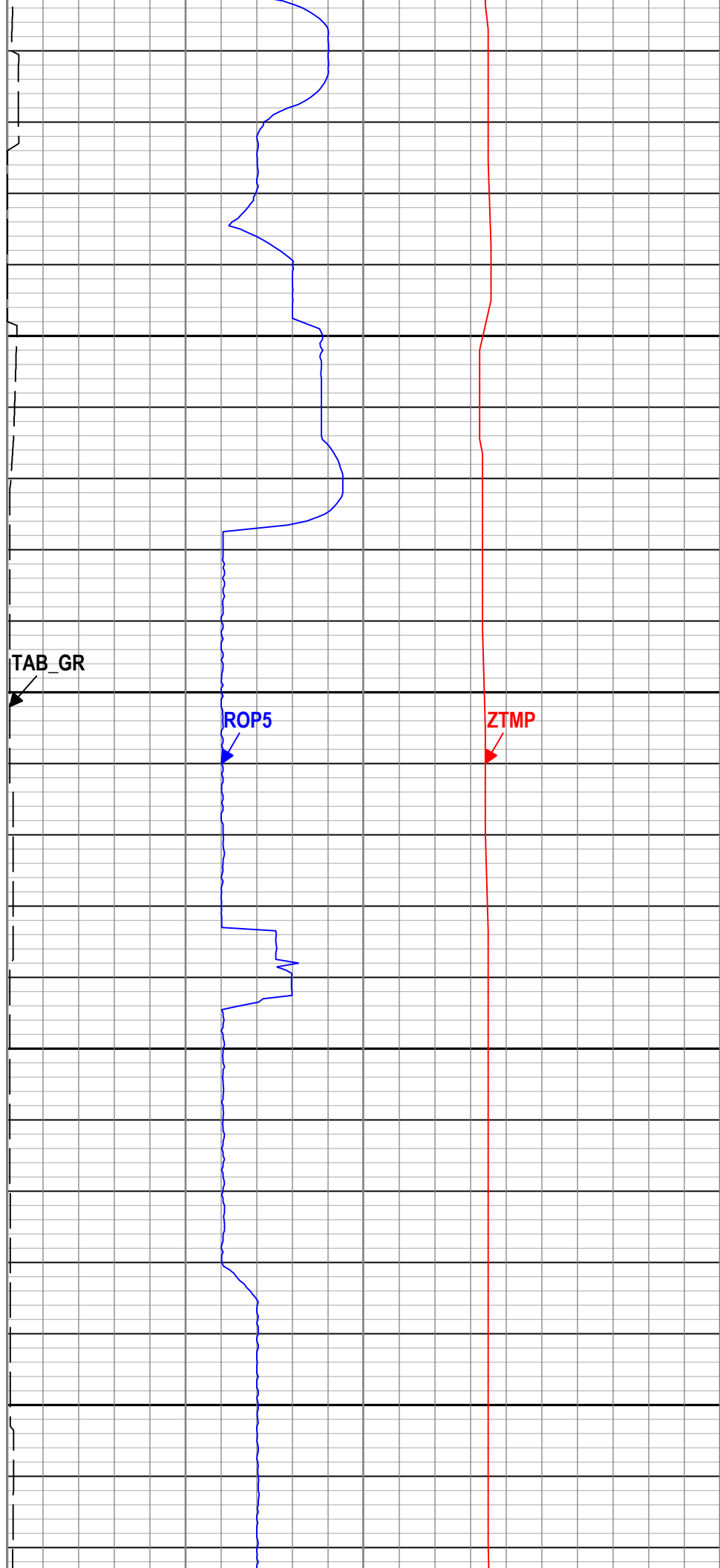
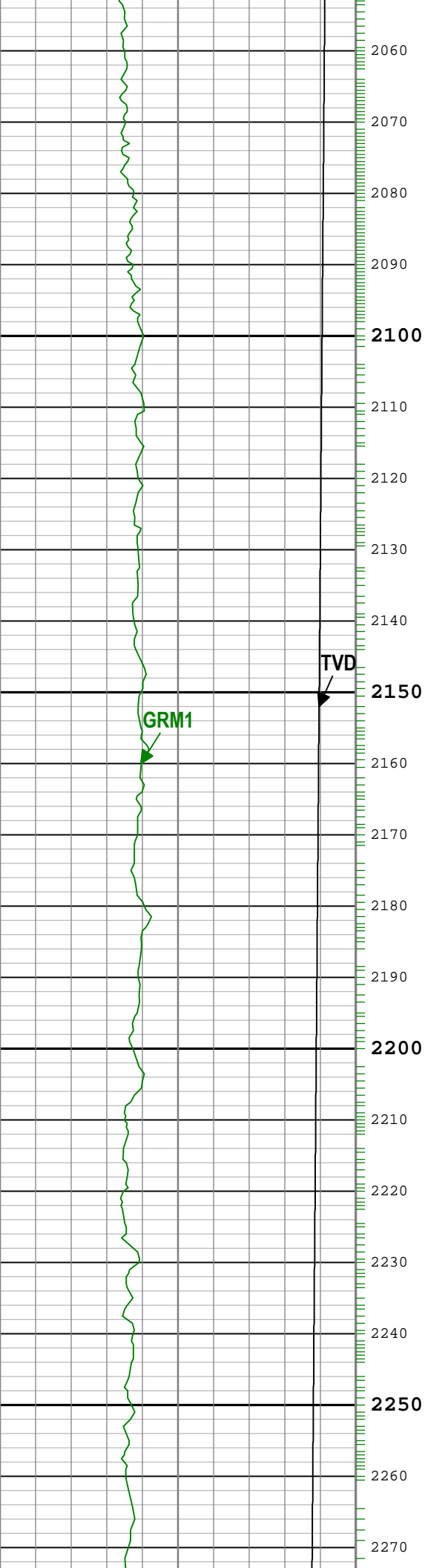
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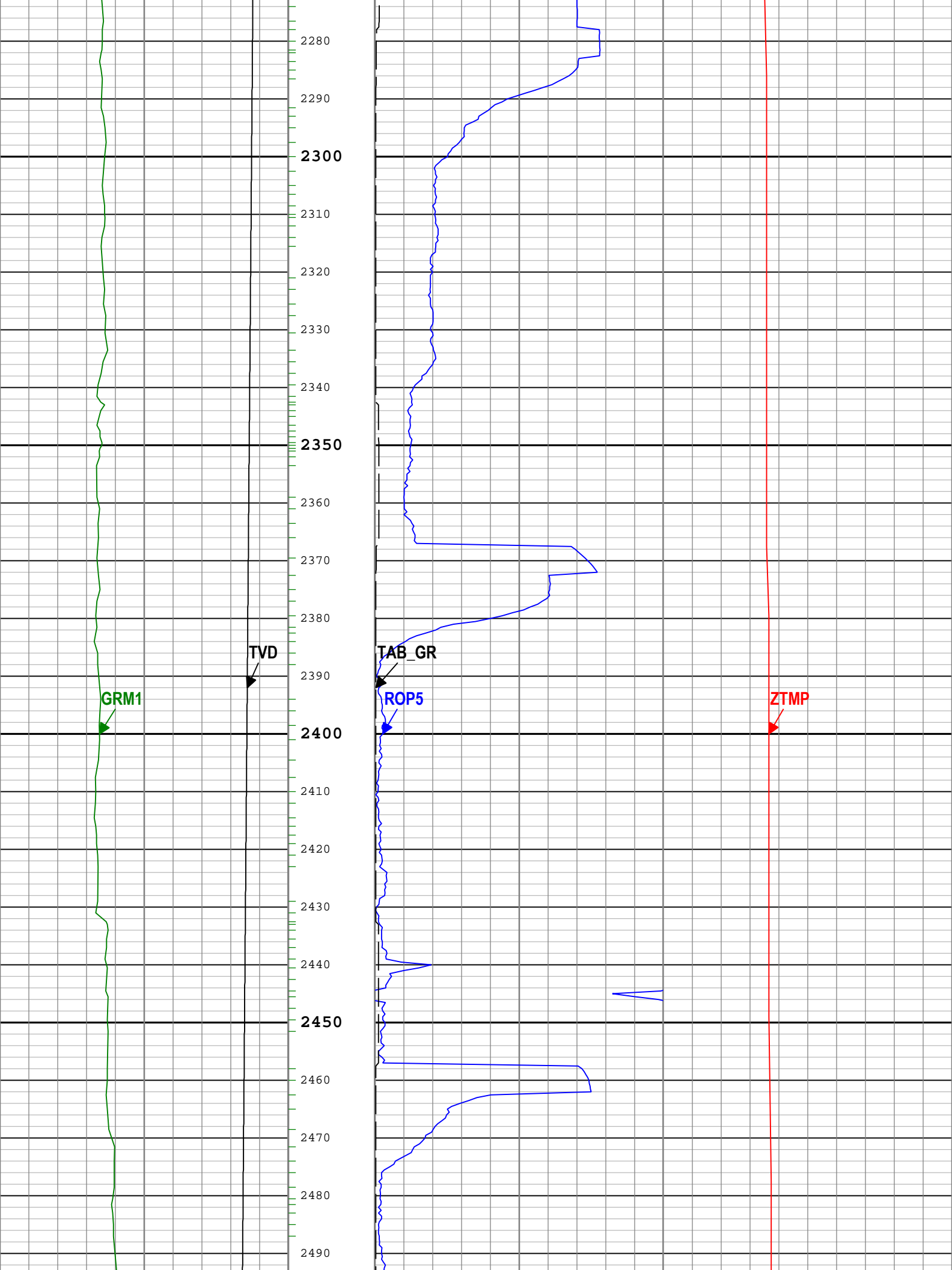
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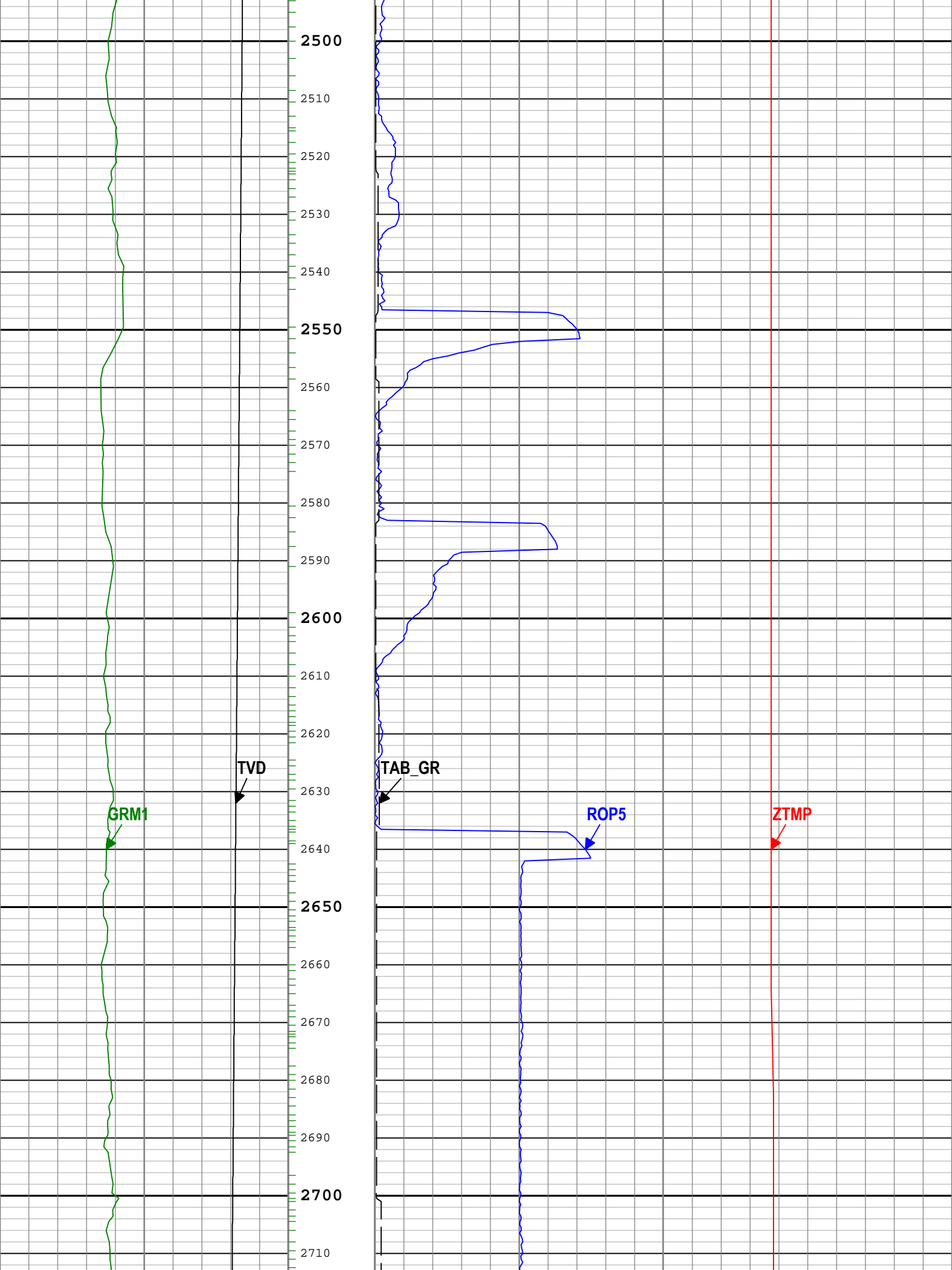
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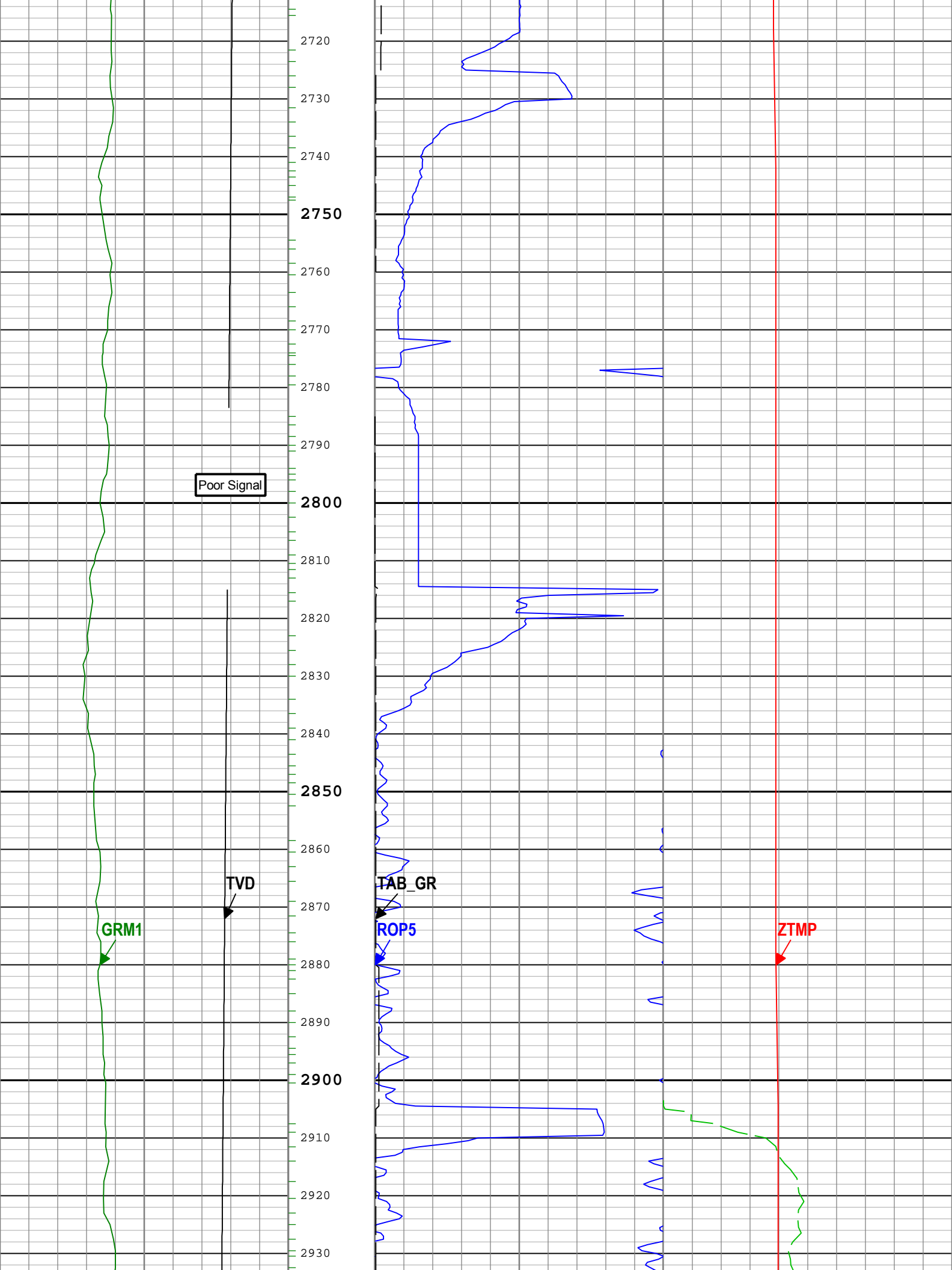
Run002
Start depth @ 1808 ft MD
Bit Size: 8.5 in
Casing Shoe: 1798 ft MD

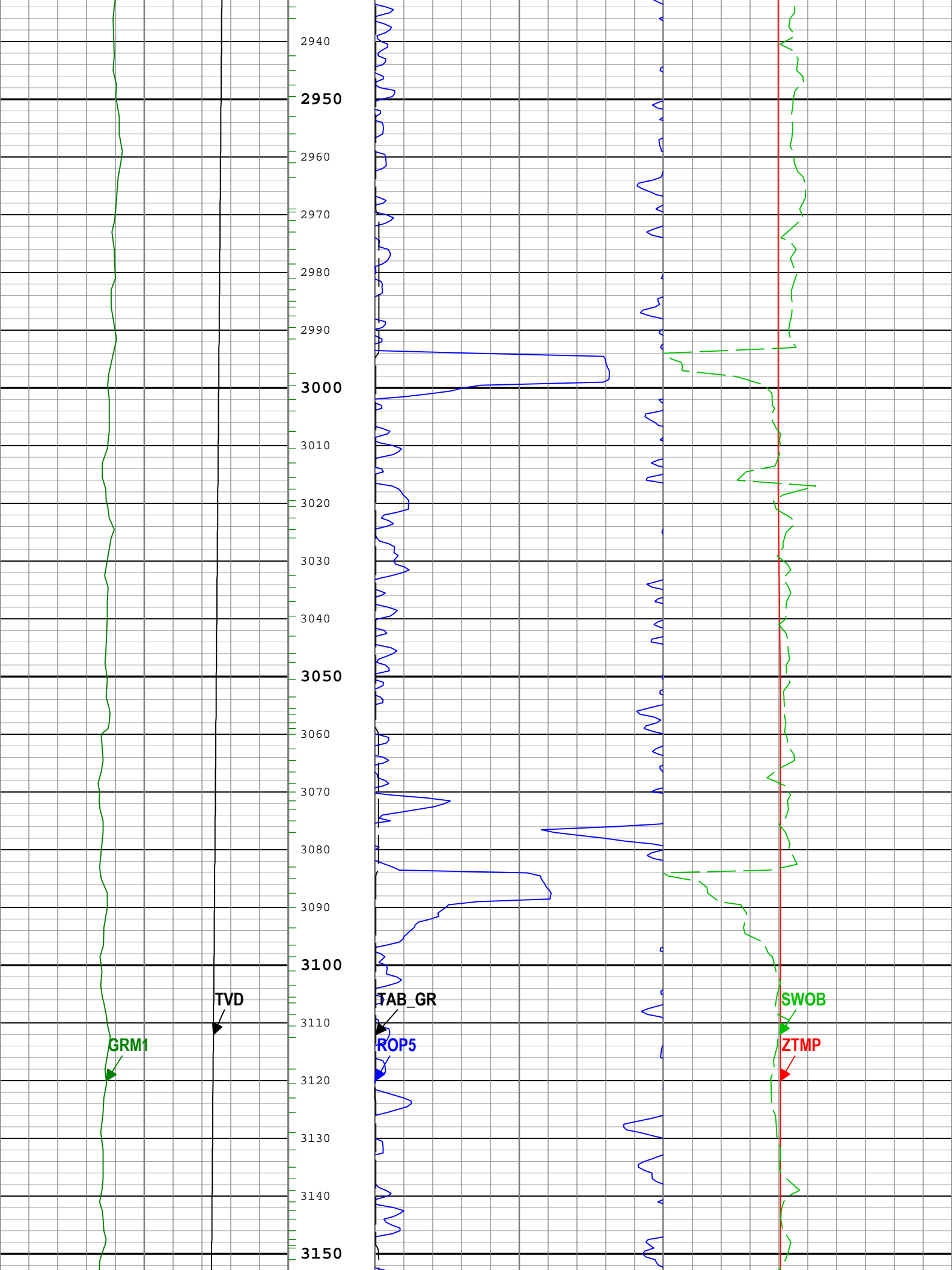


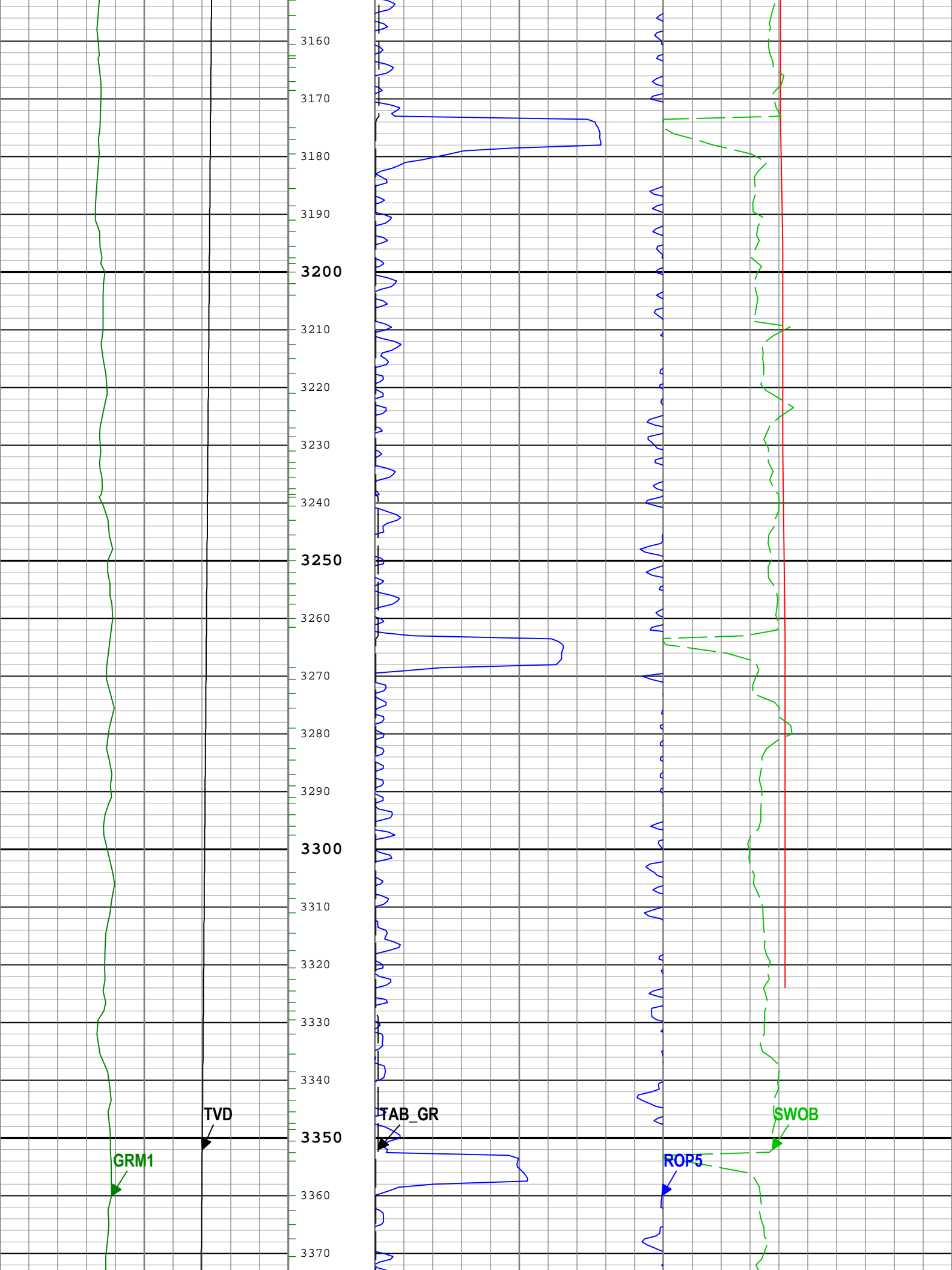


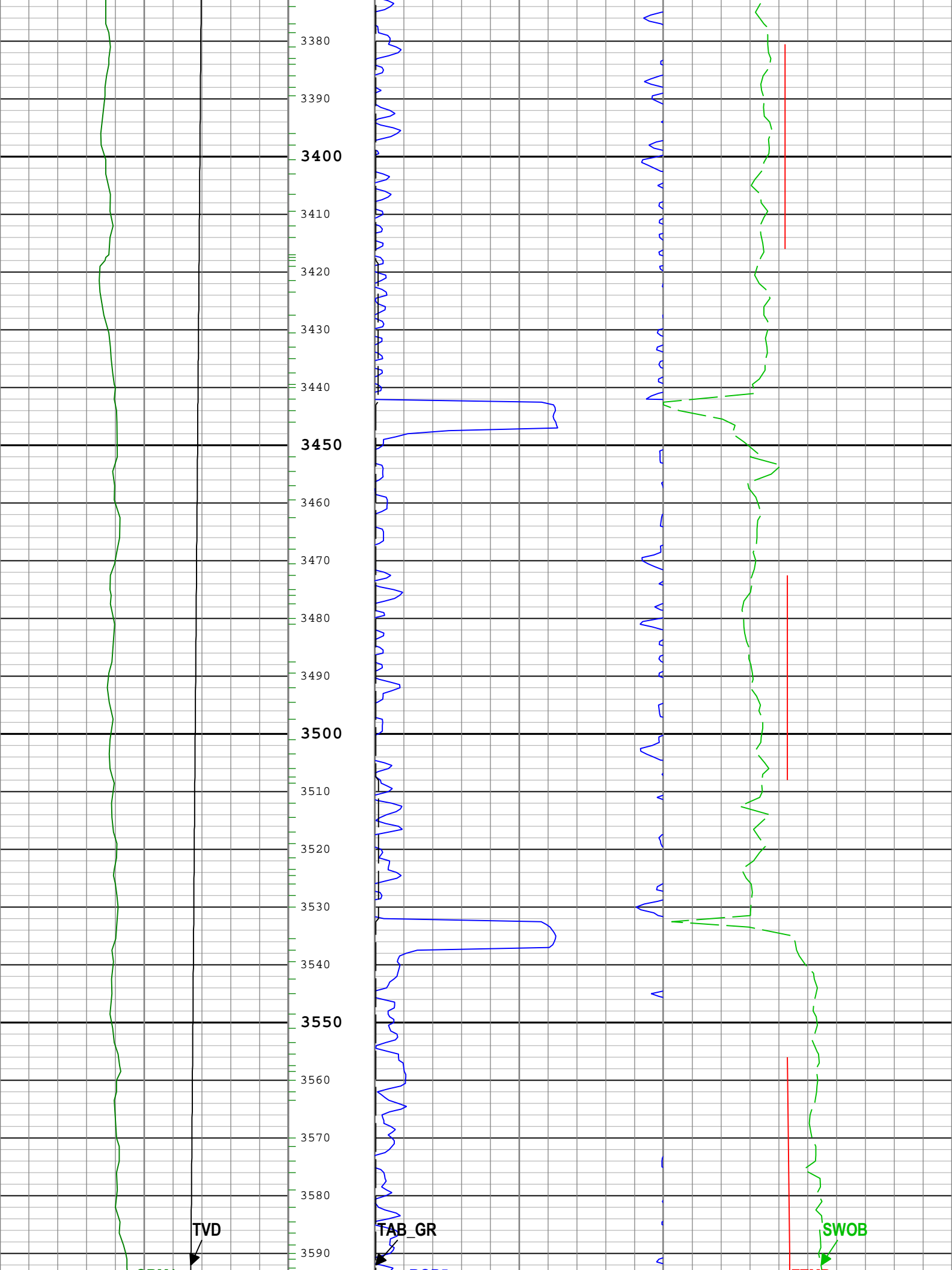


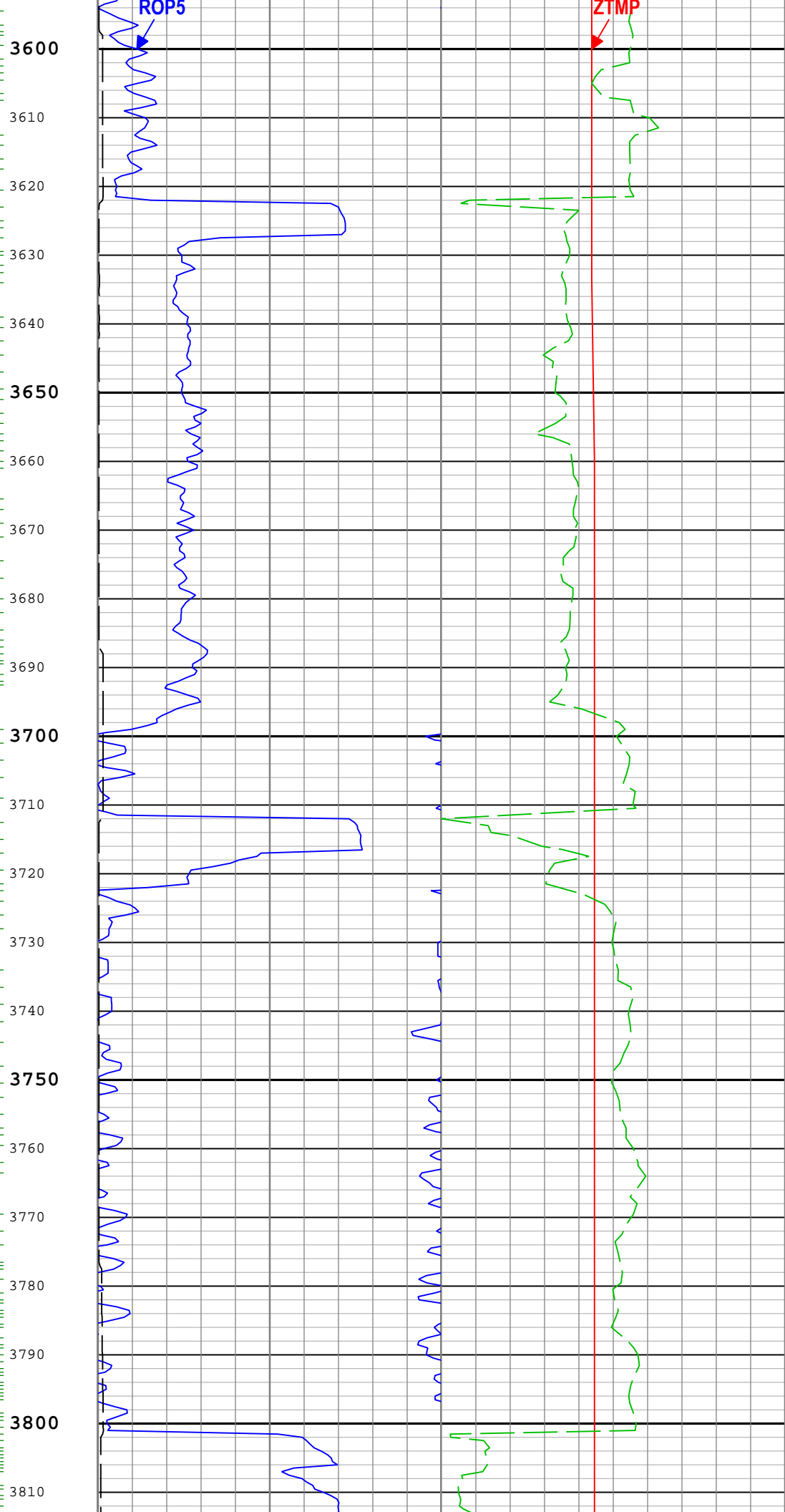
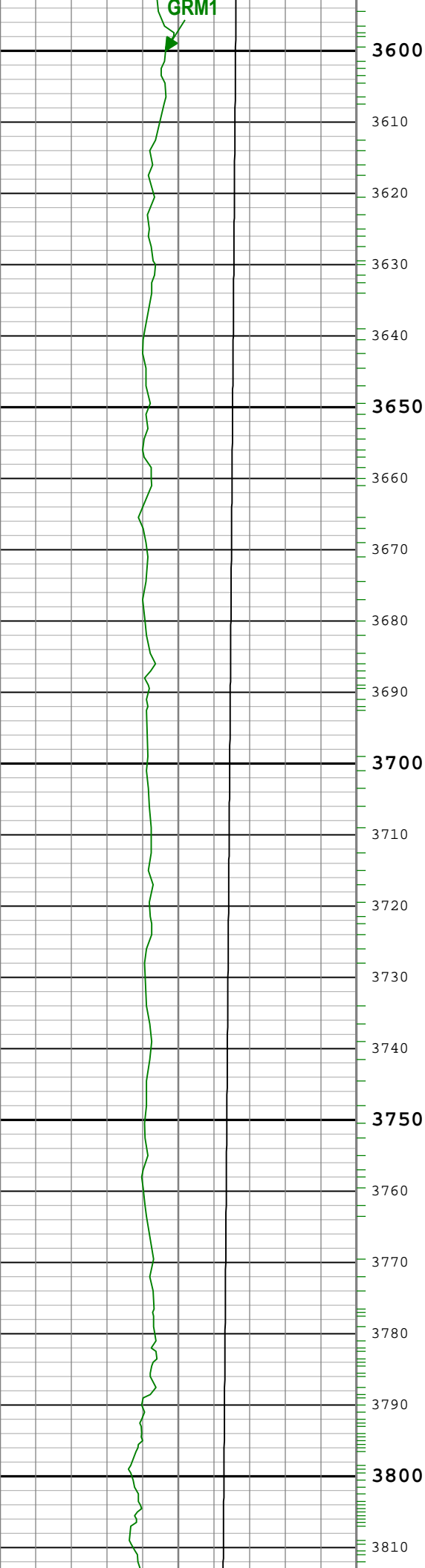


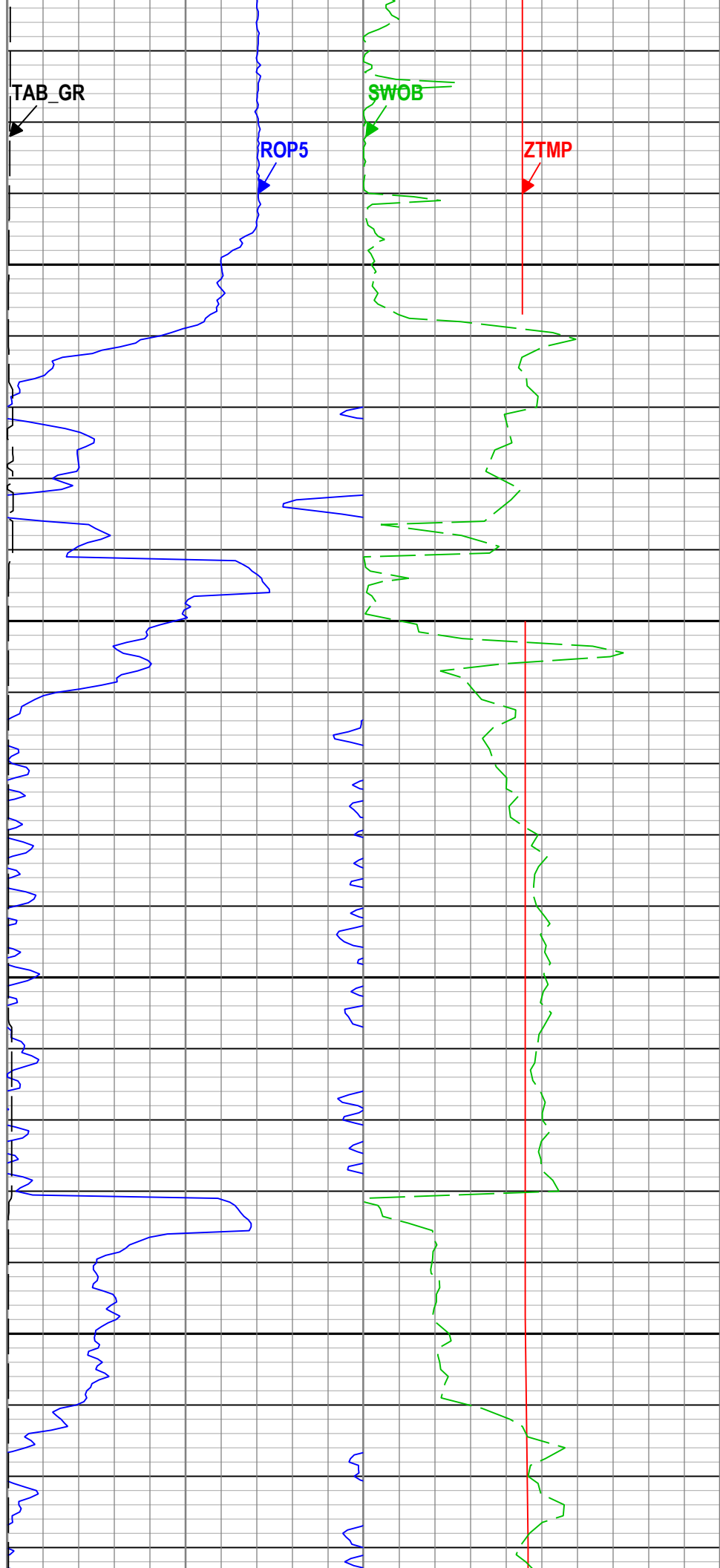
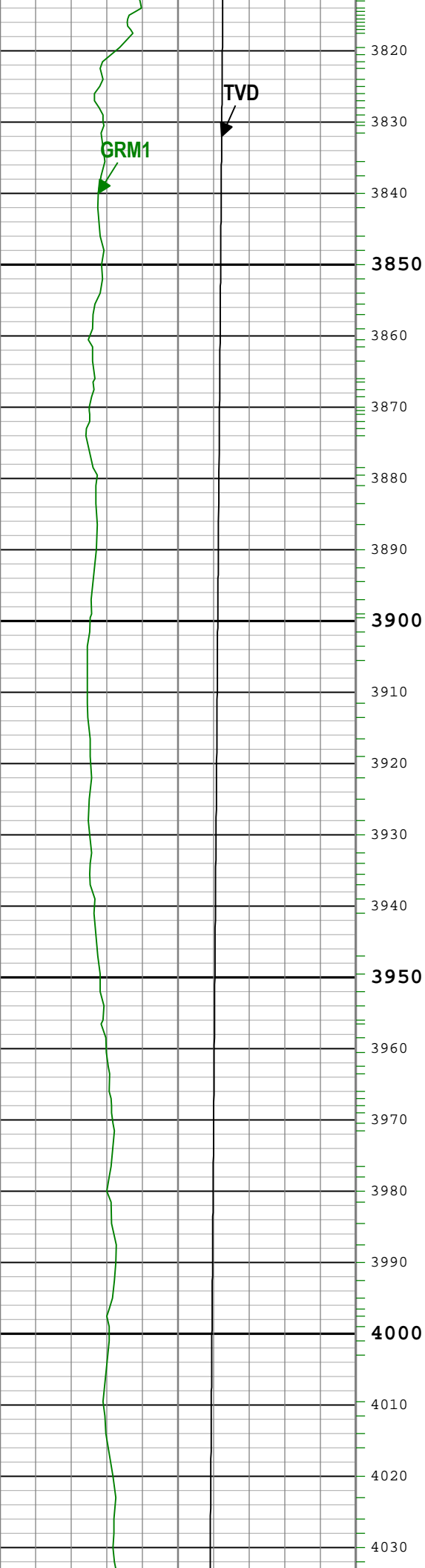


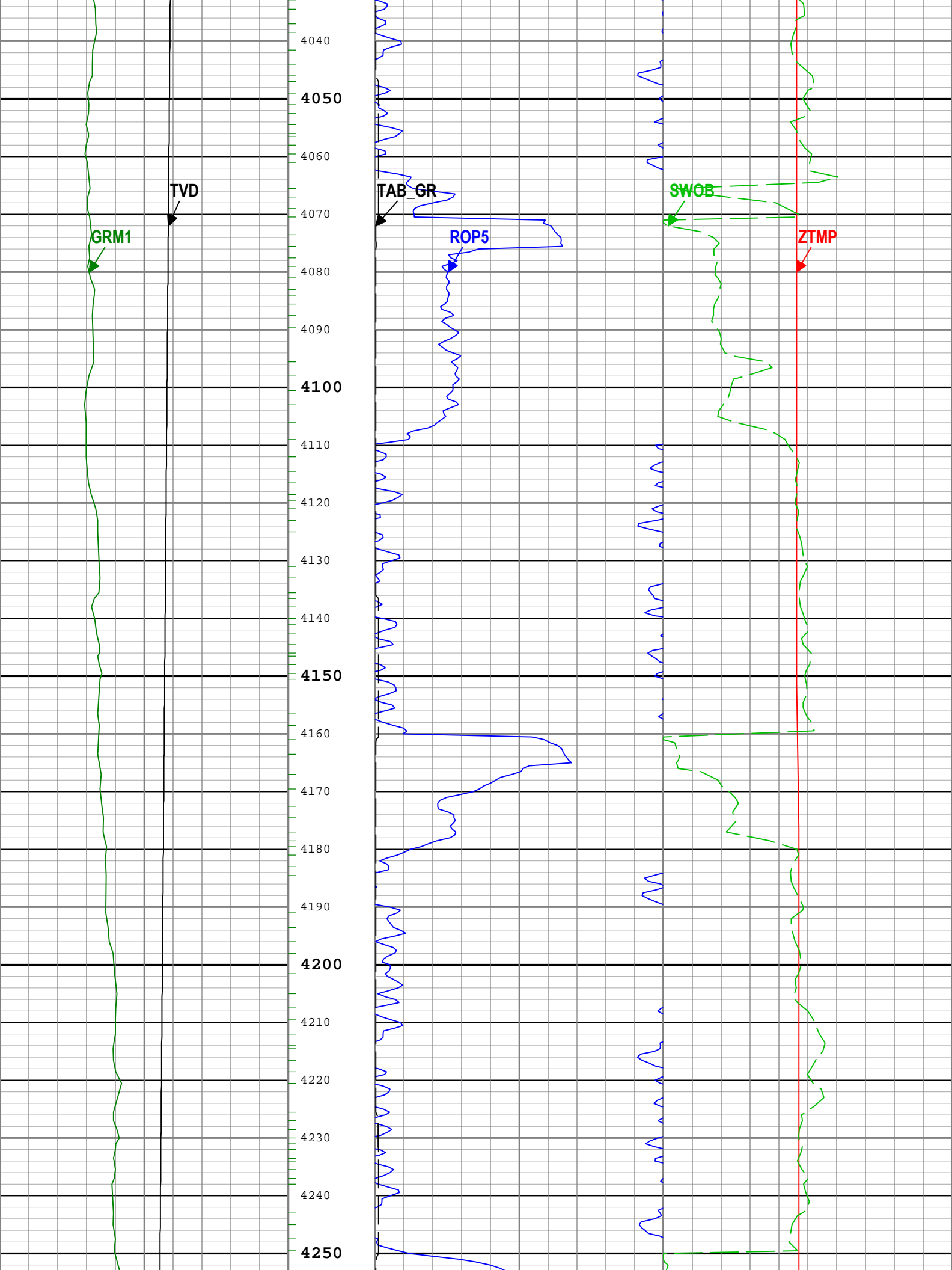


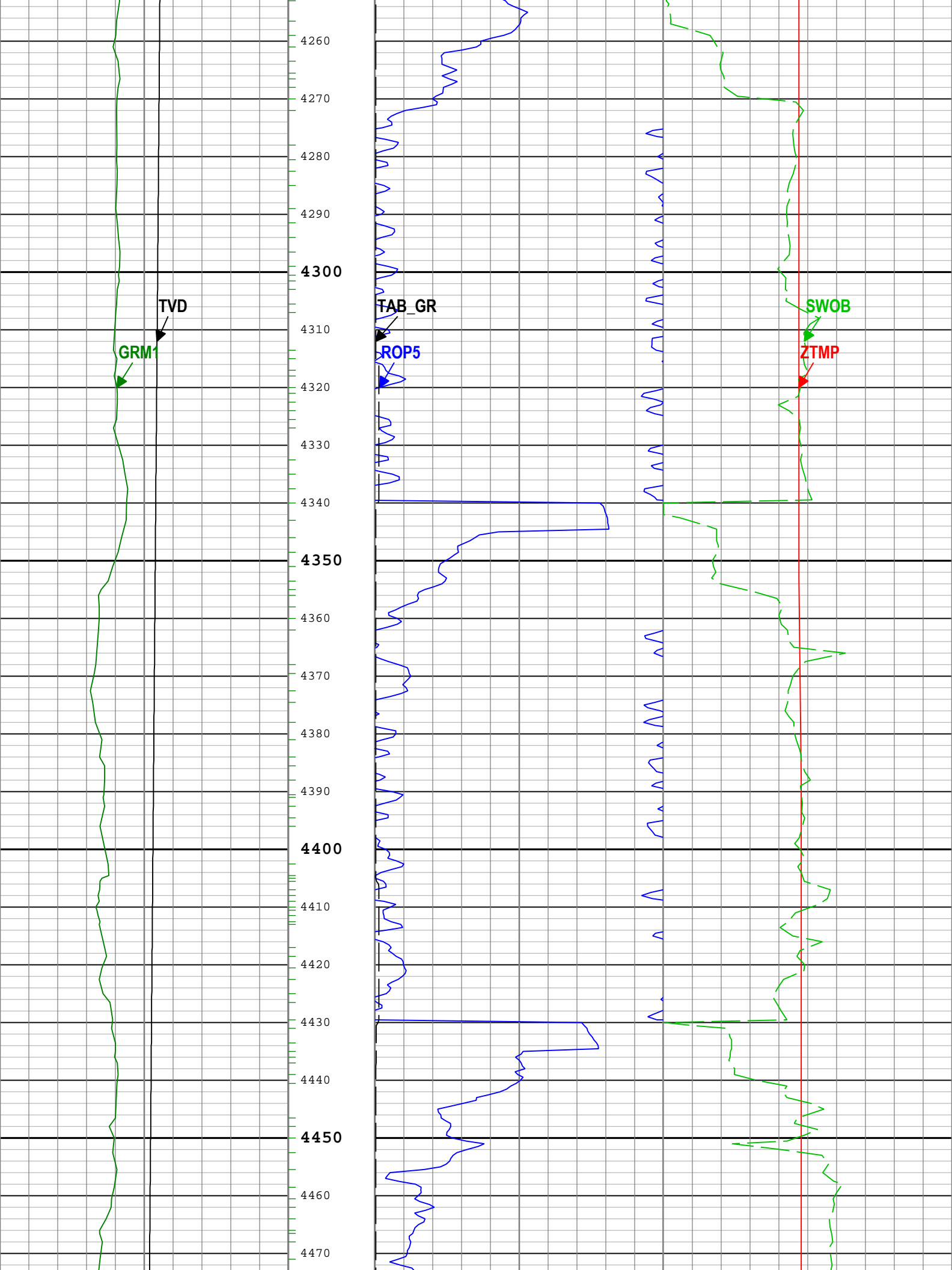


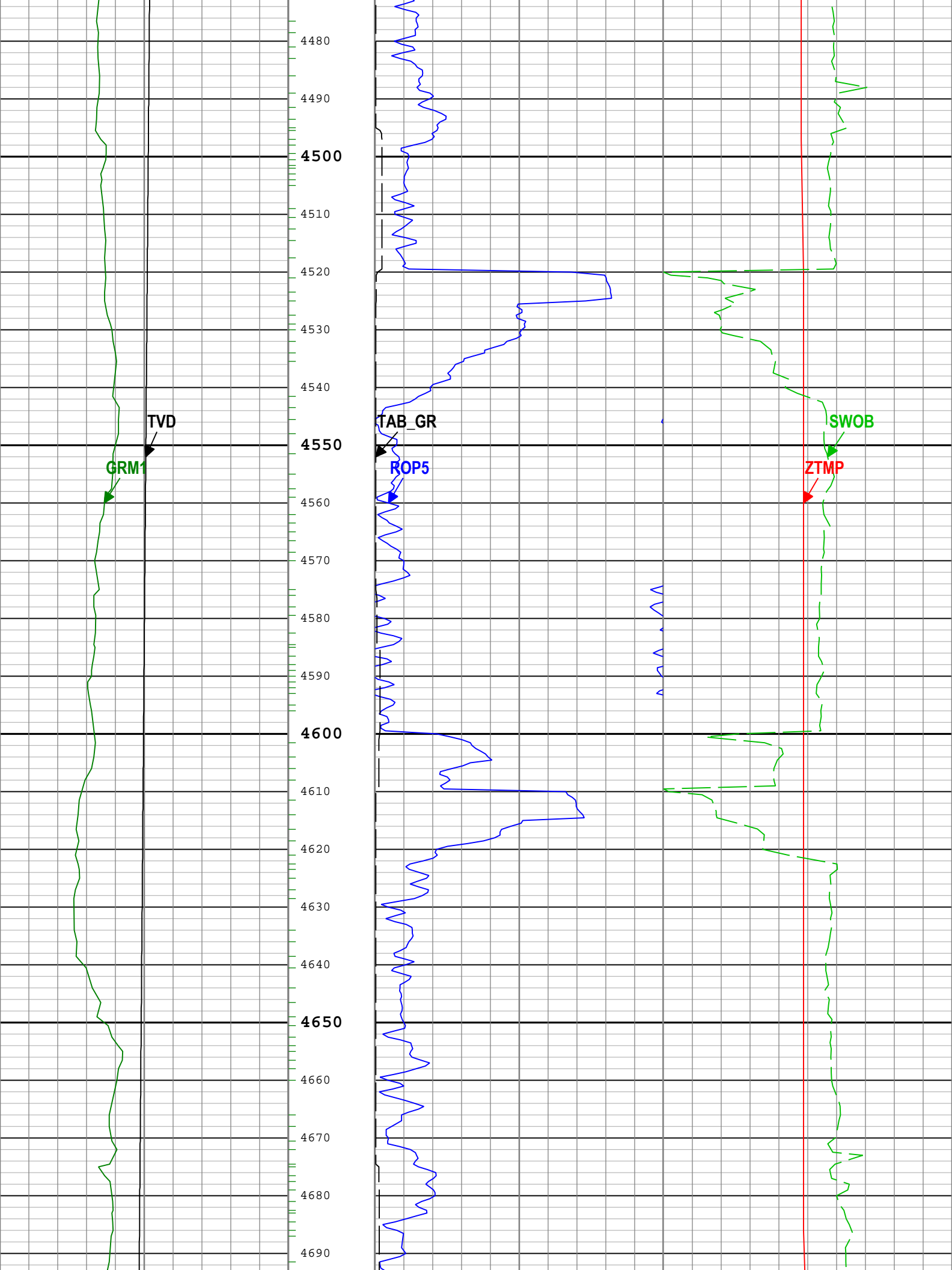


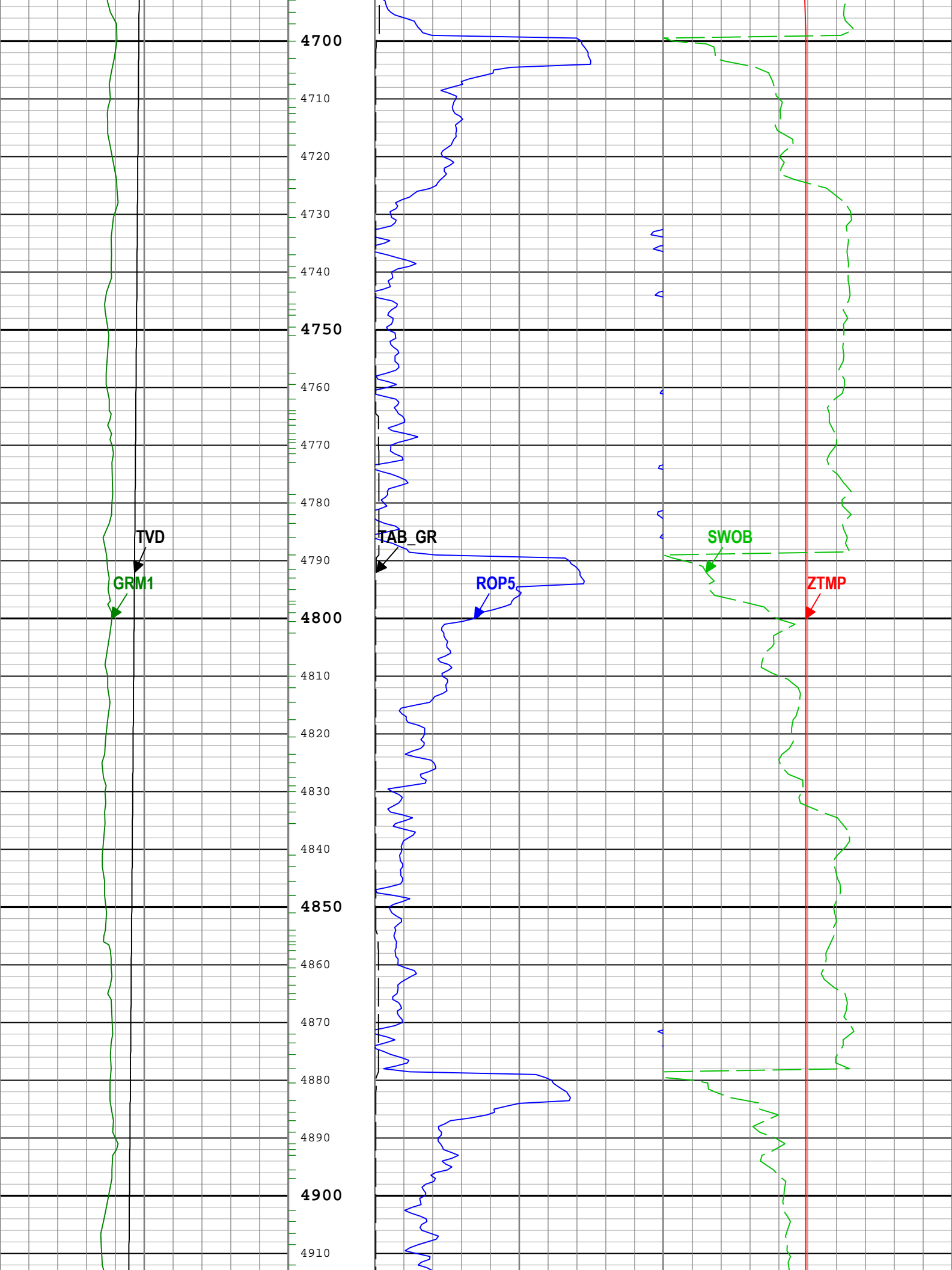


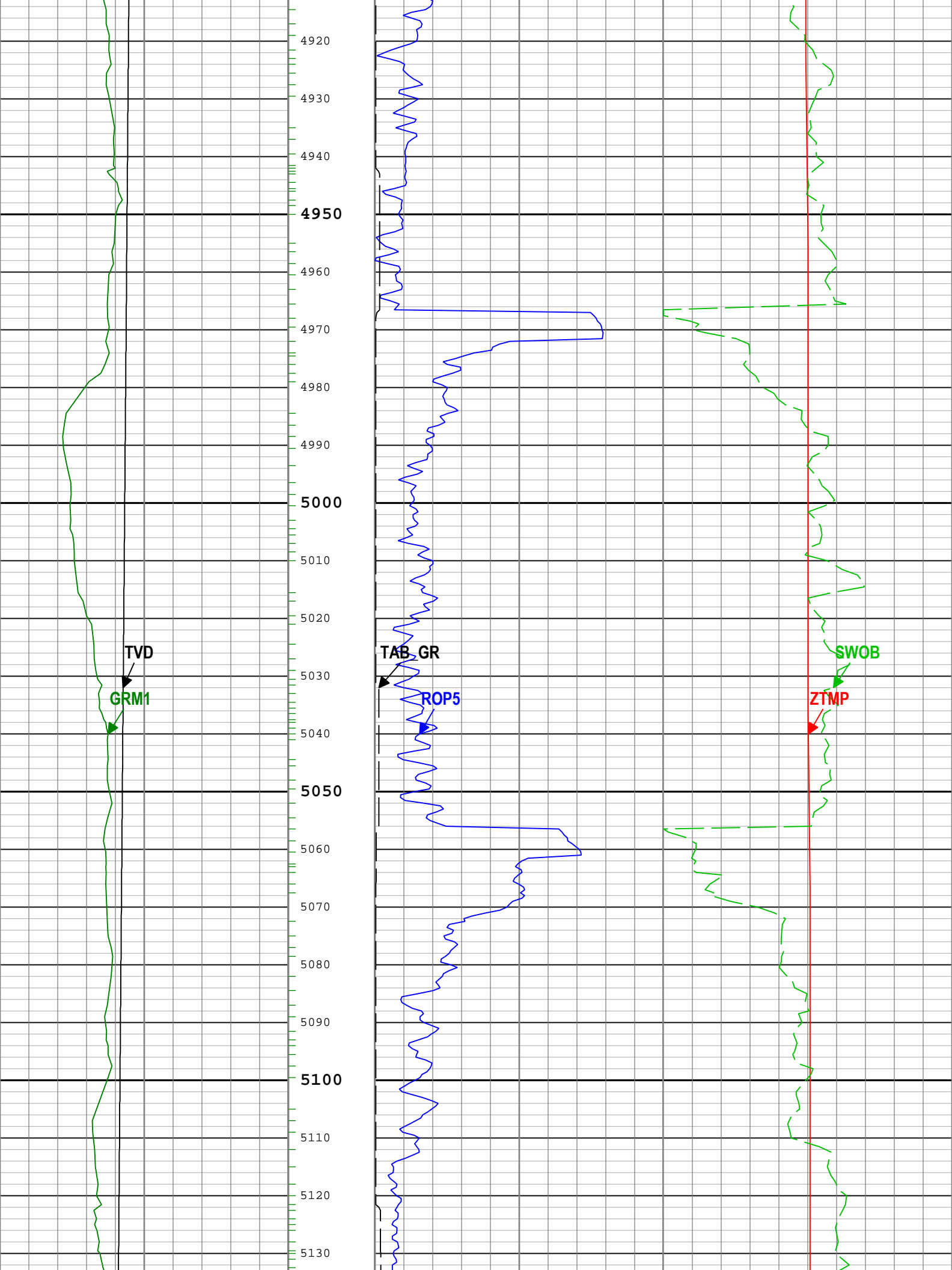


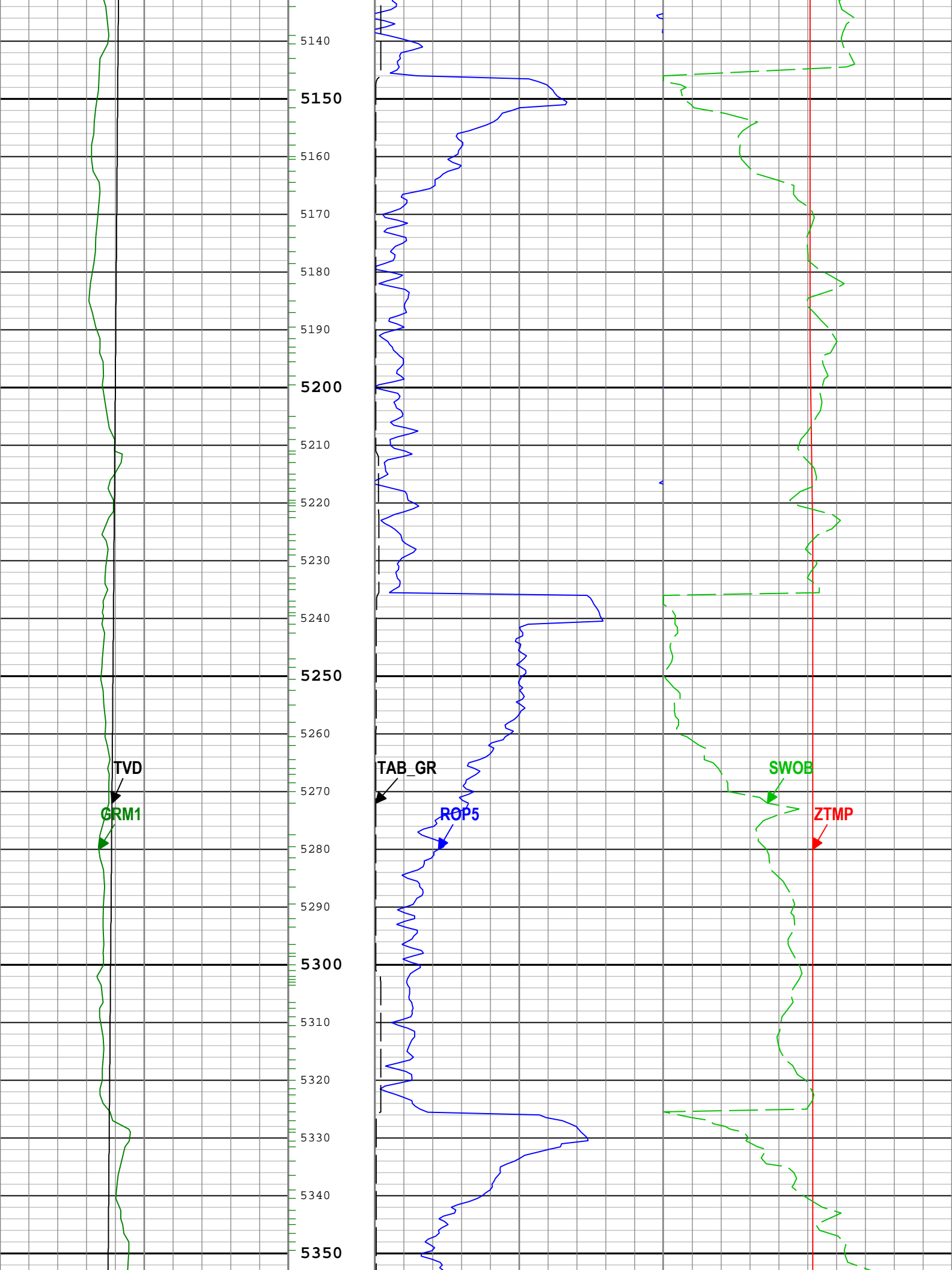


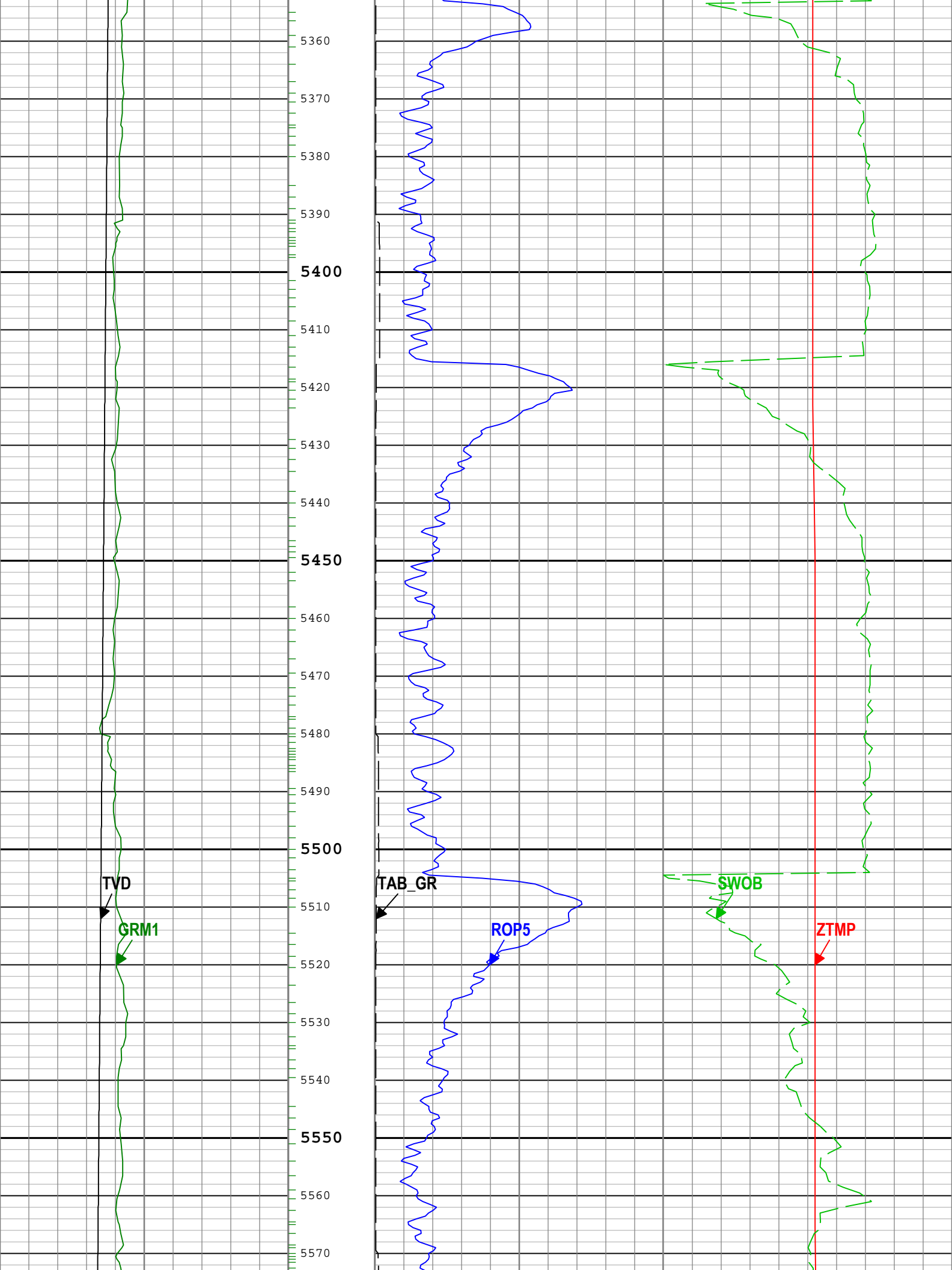


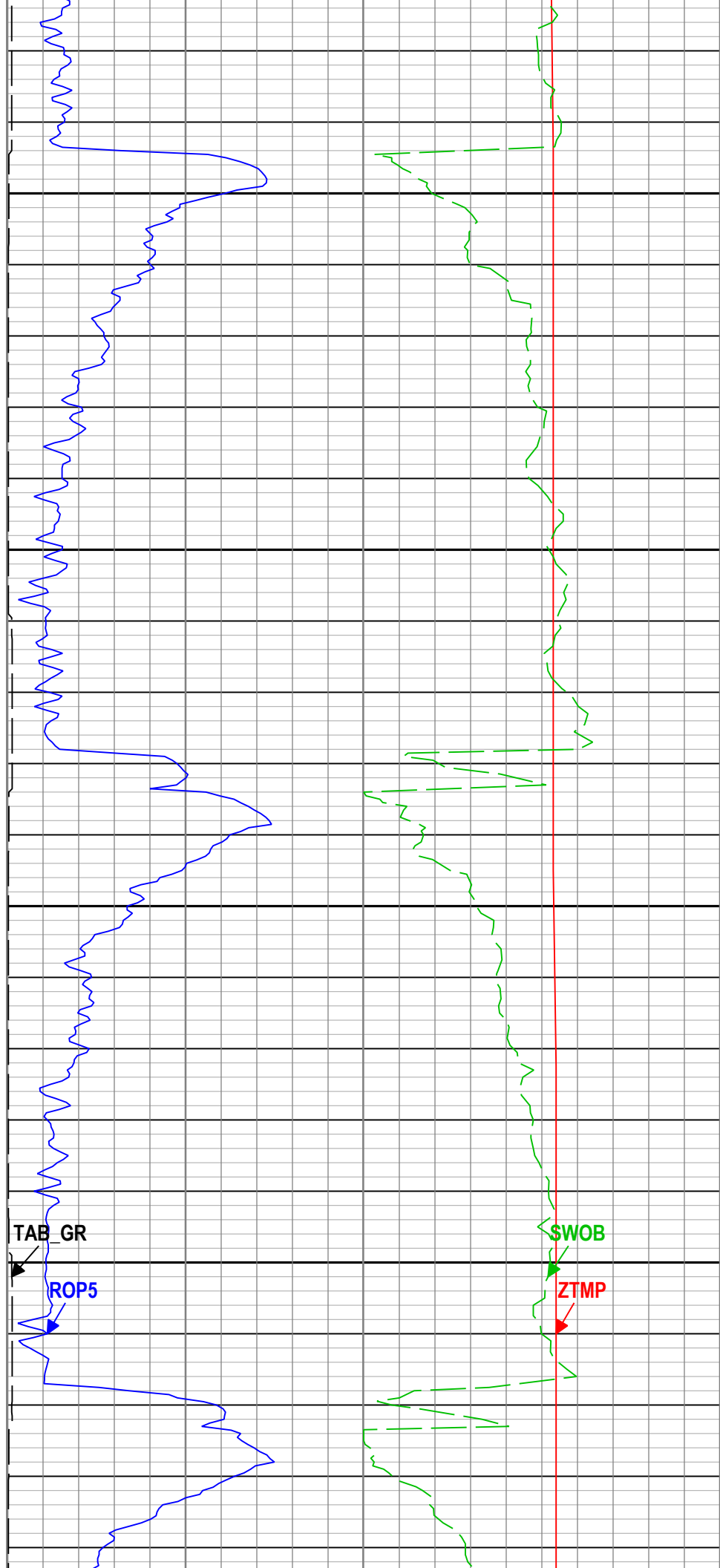
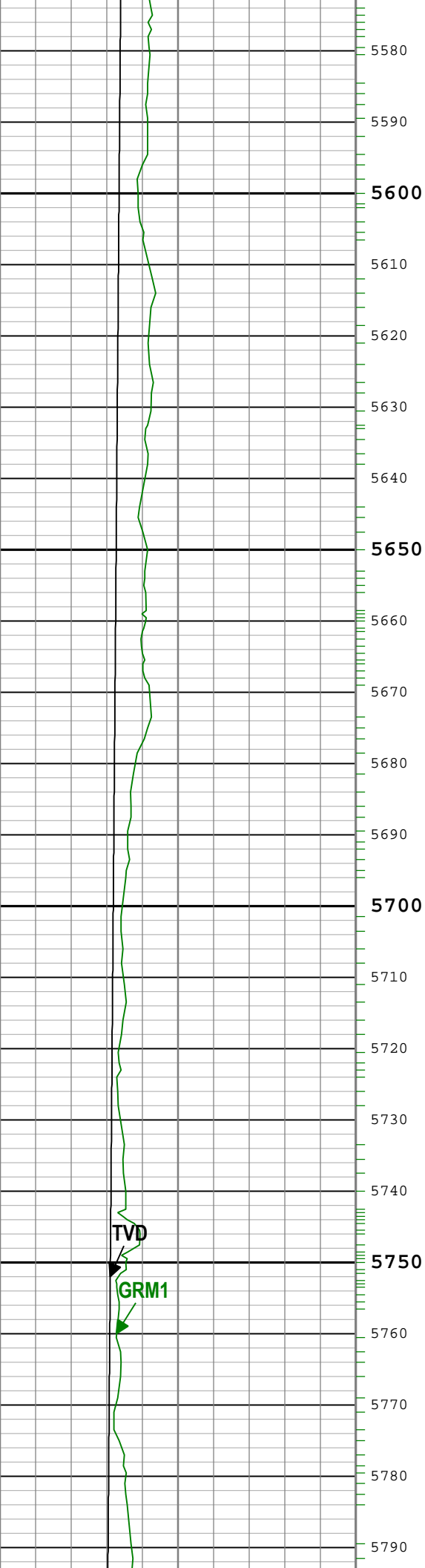


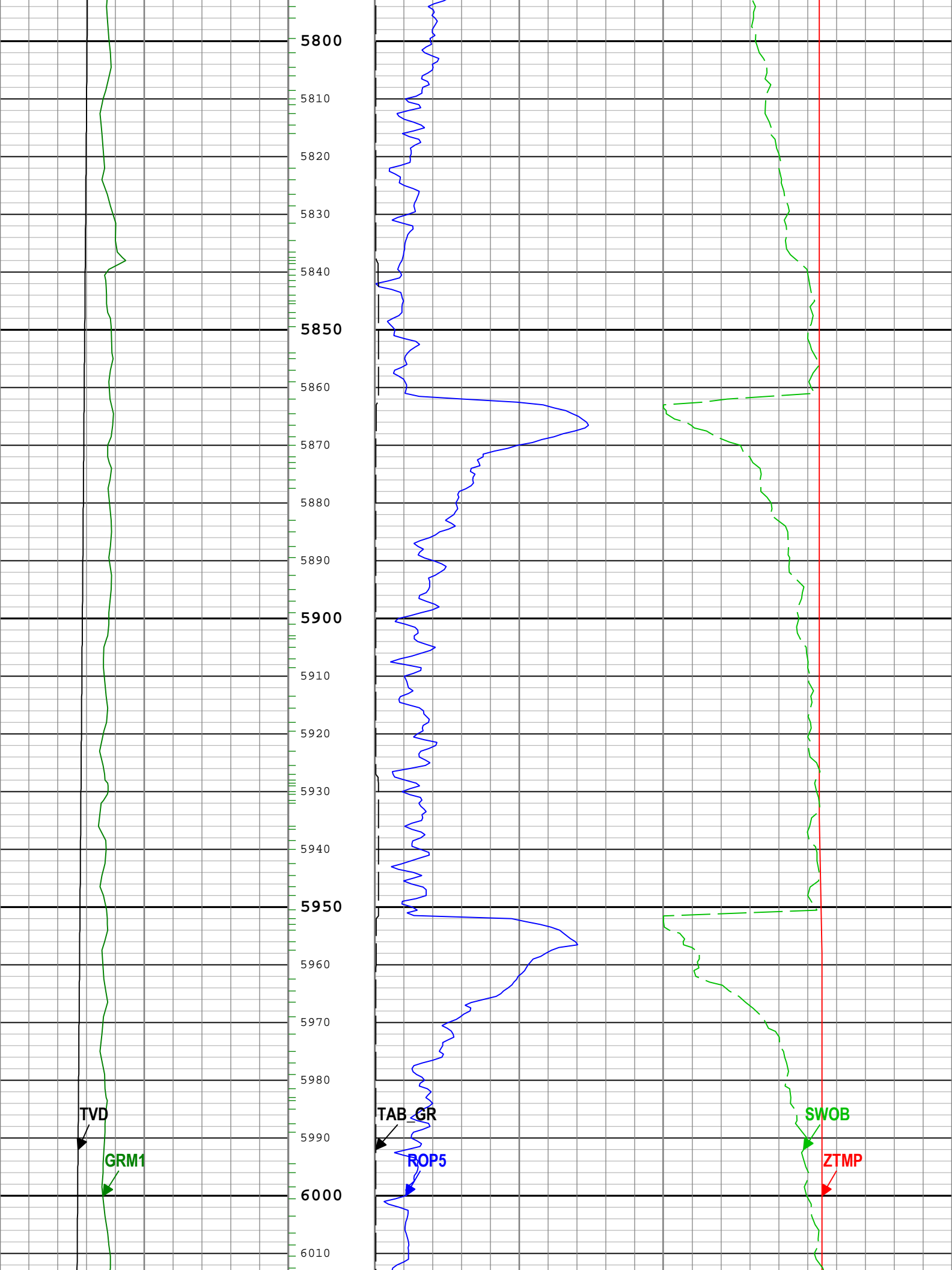


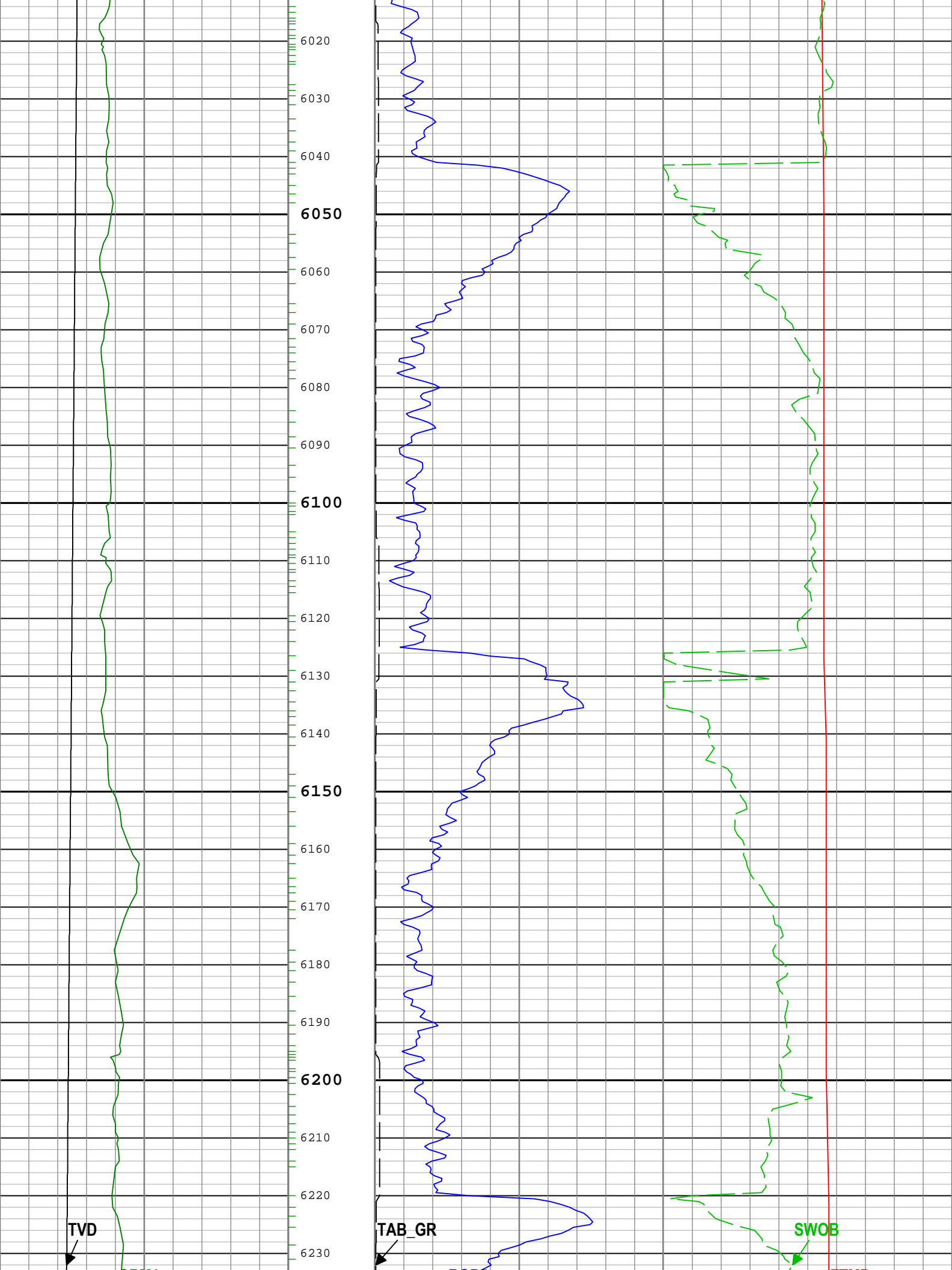


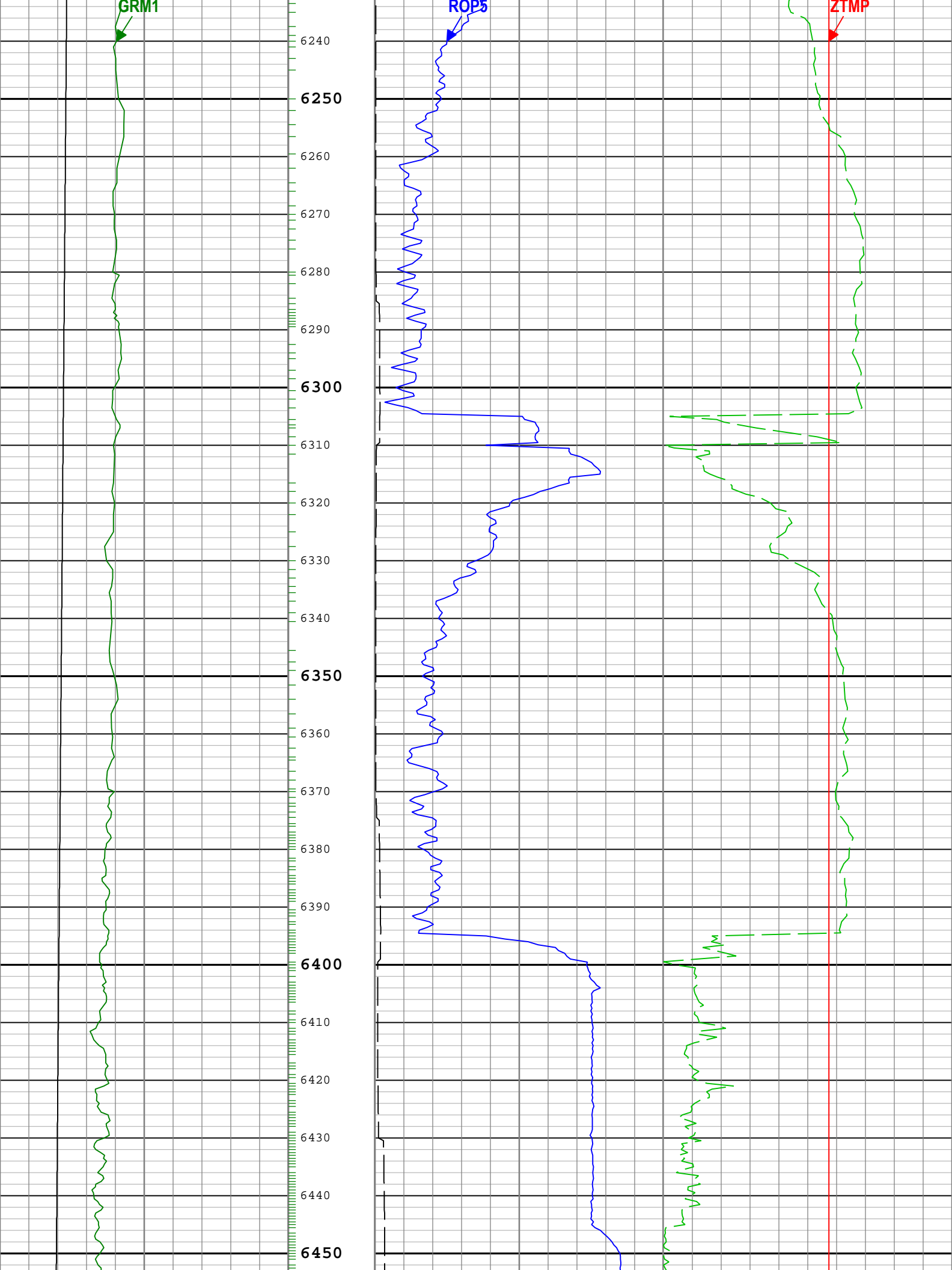


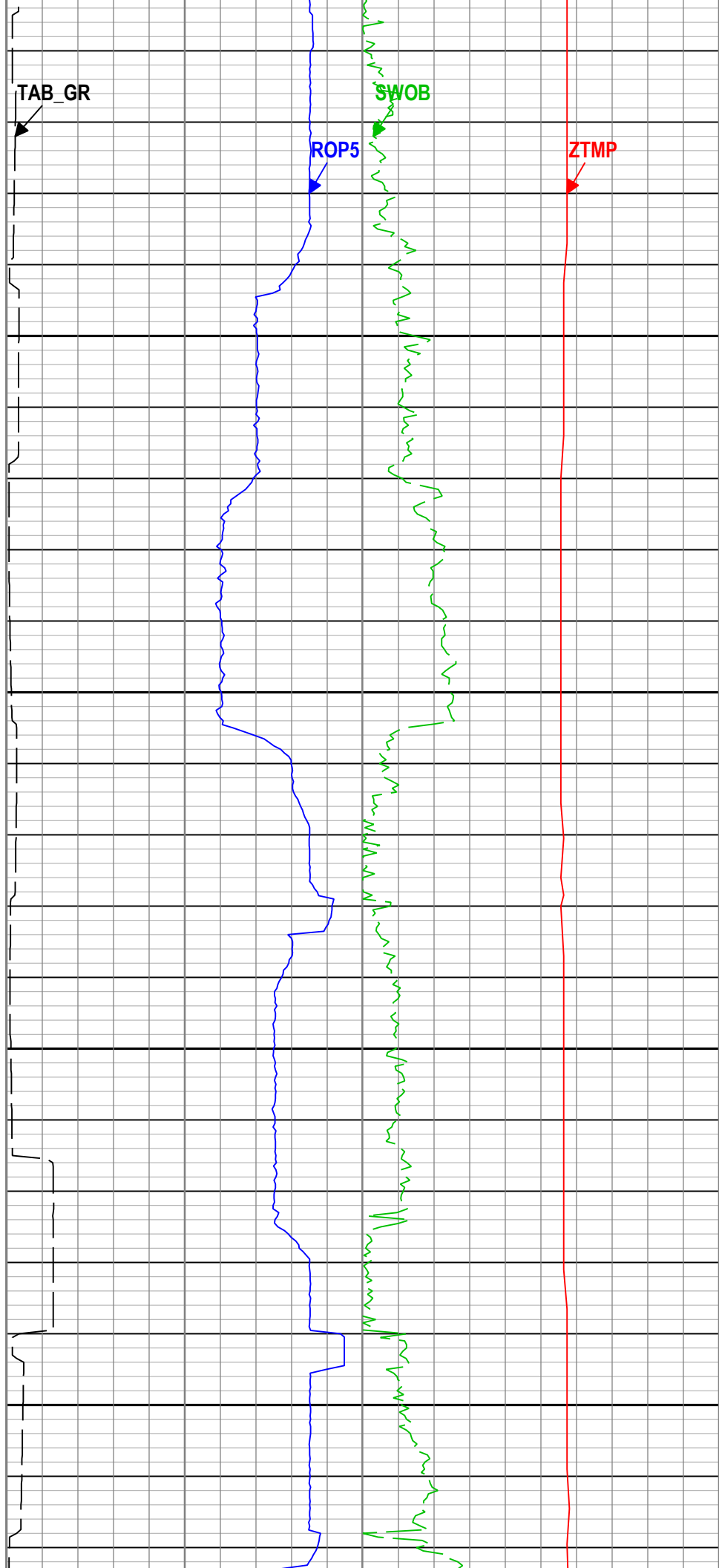
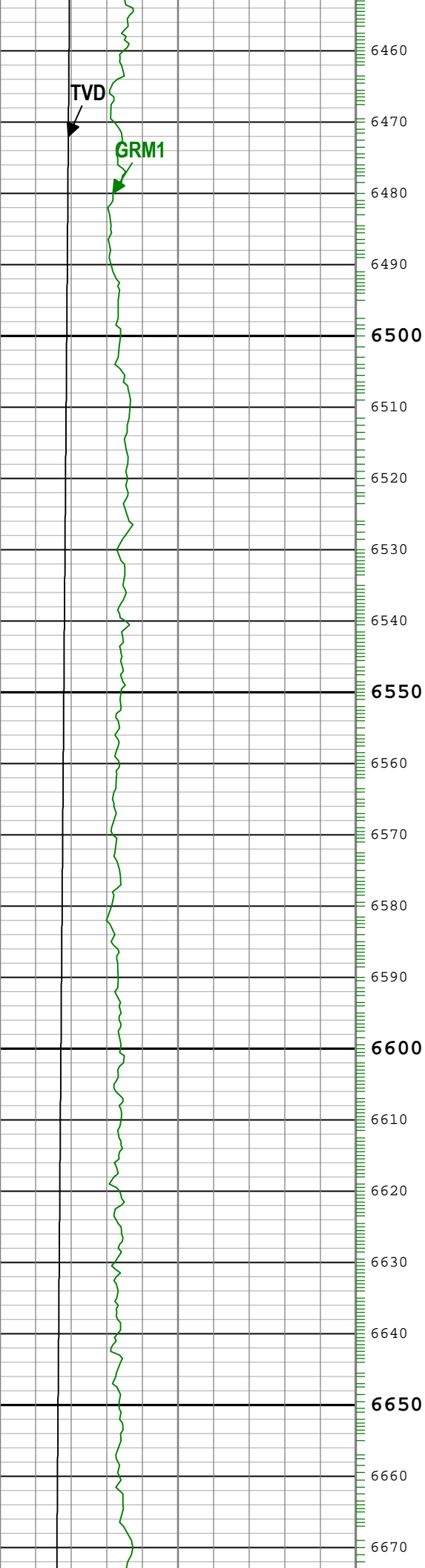


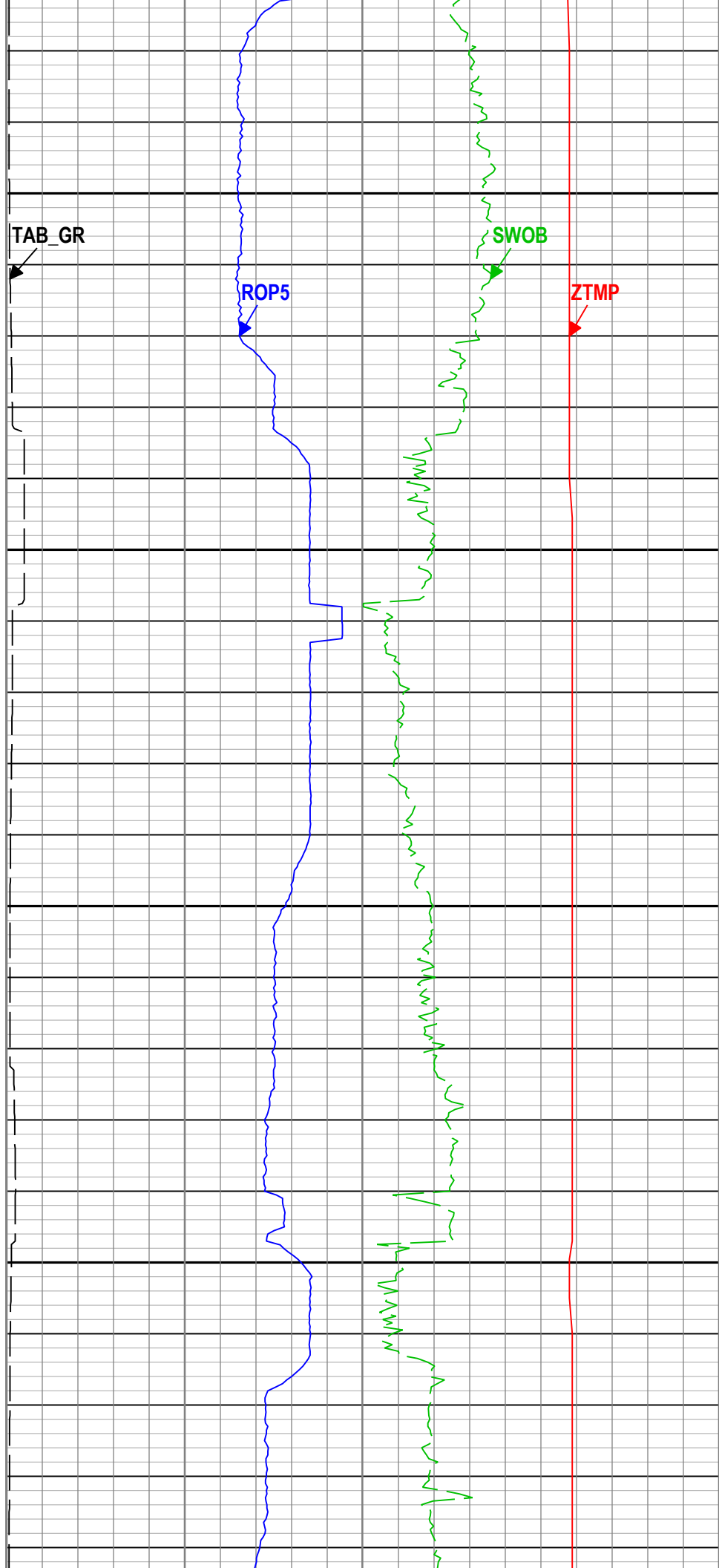
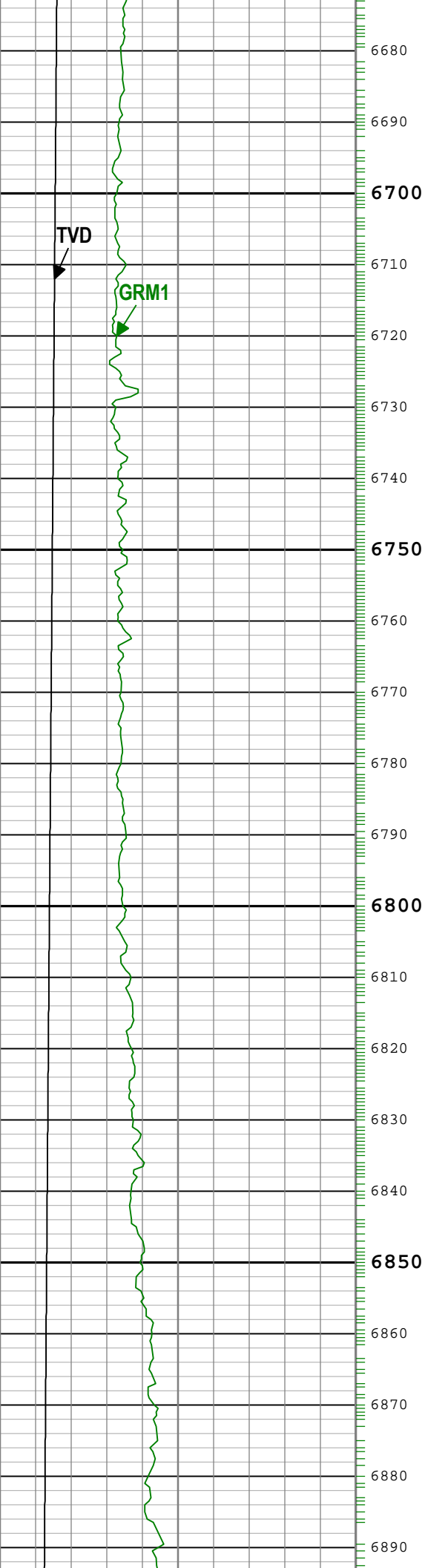


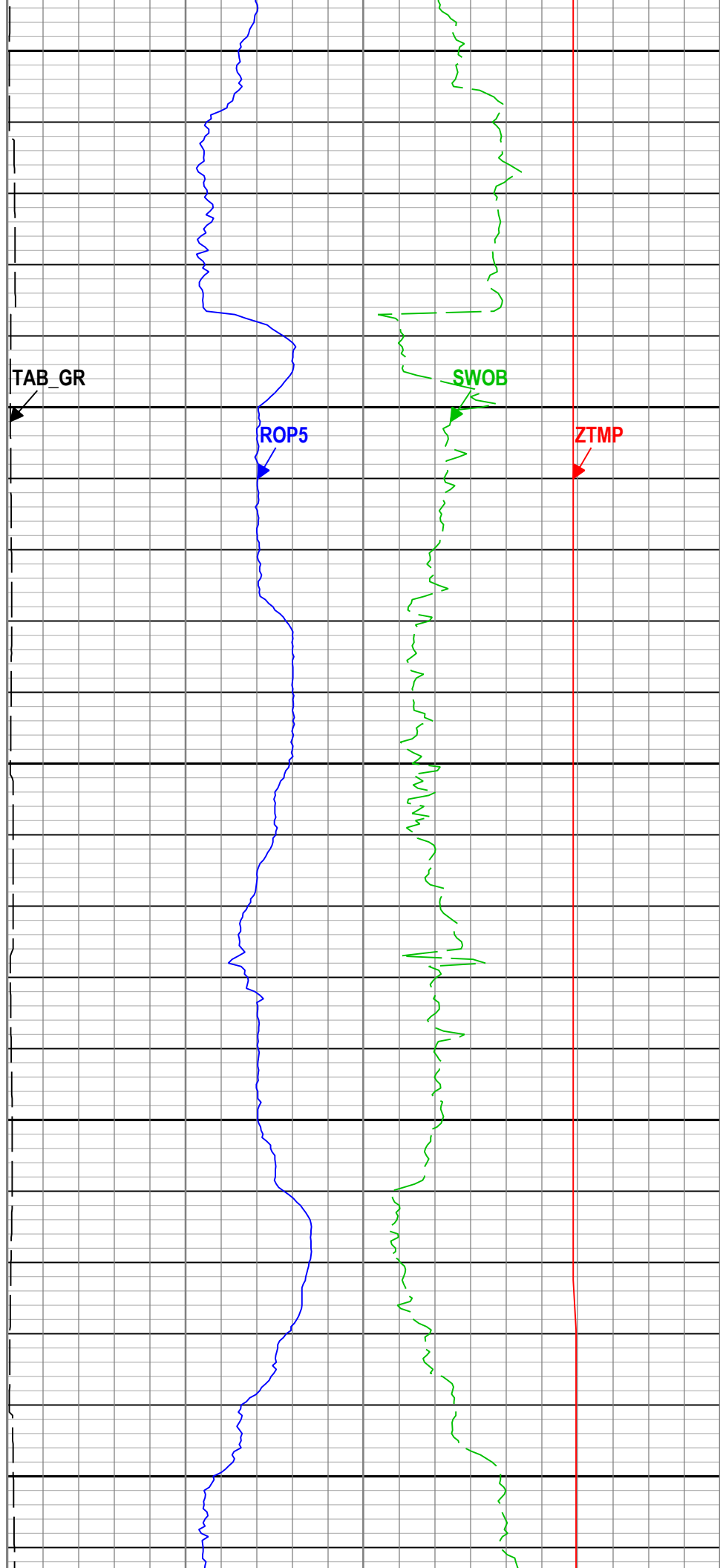
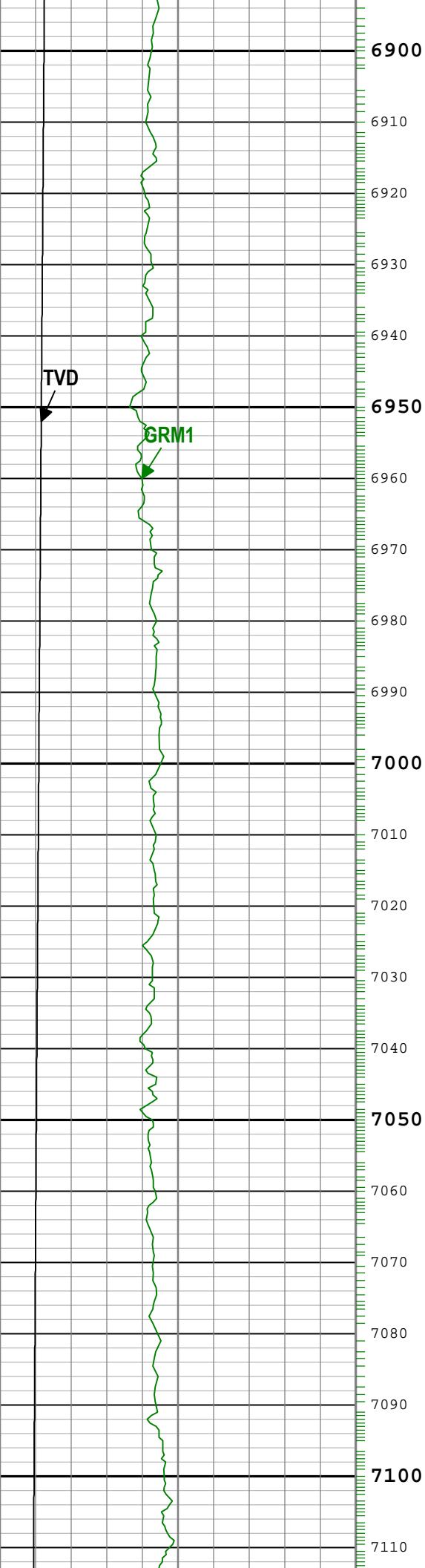


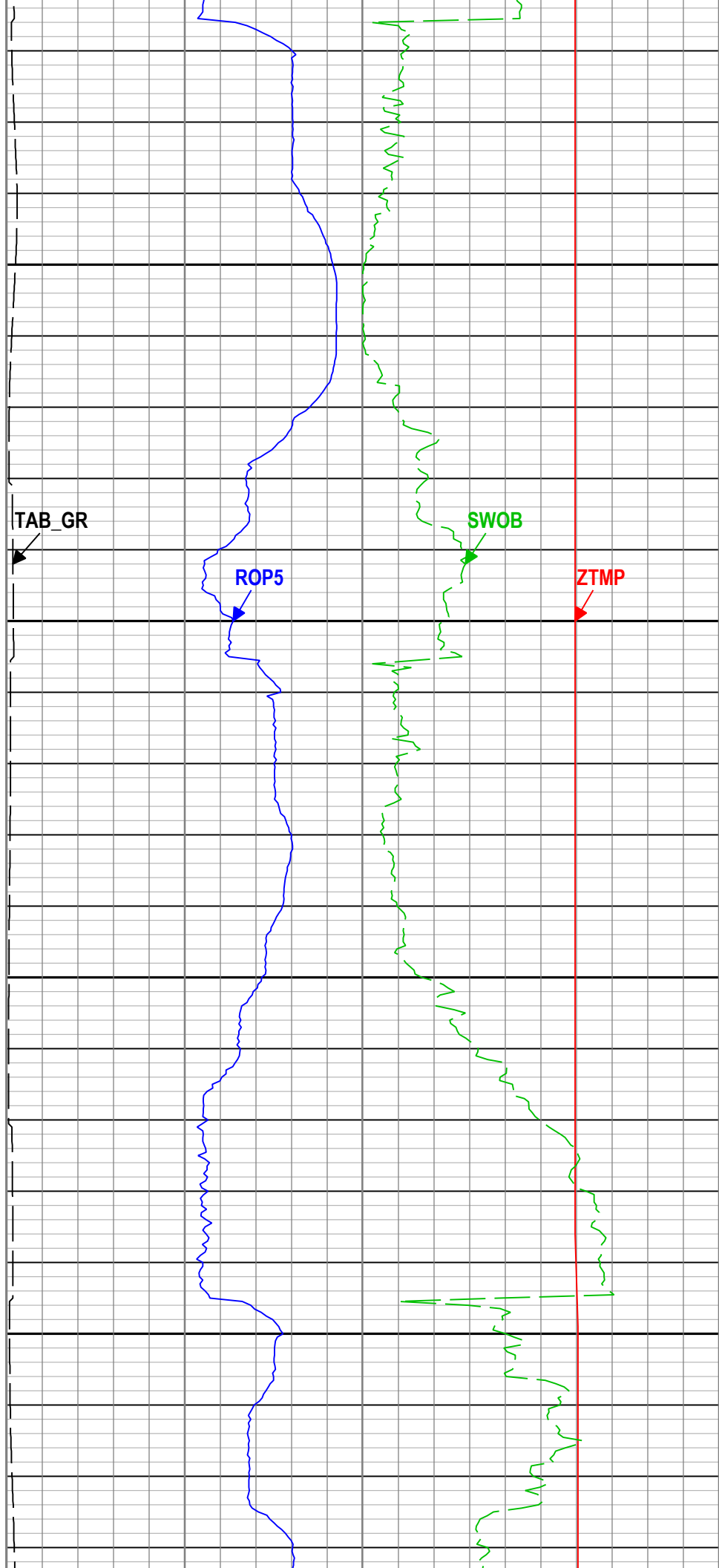
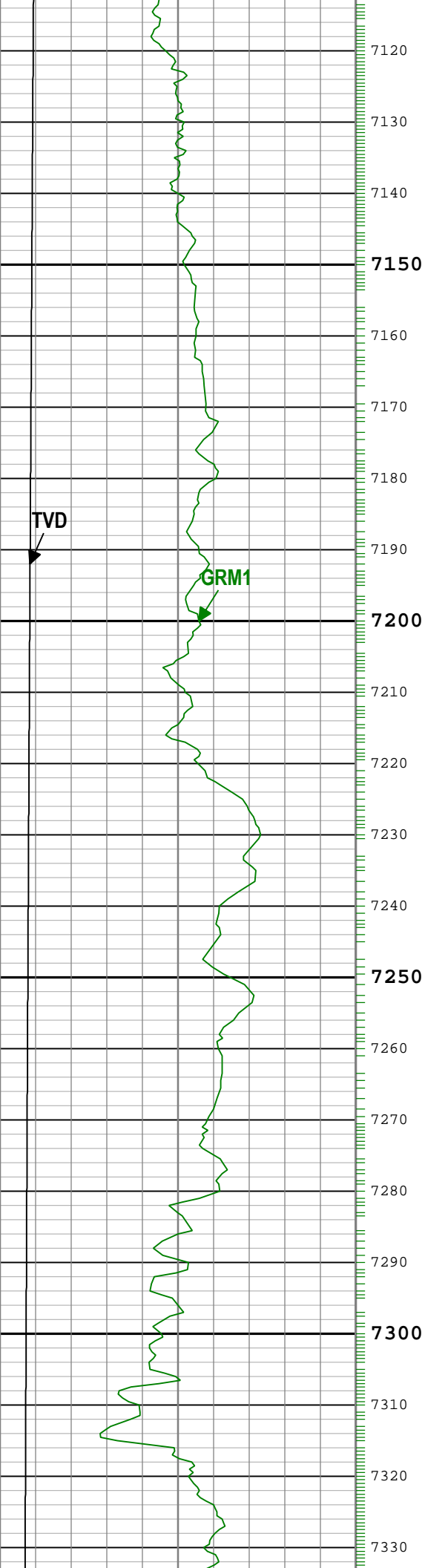


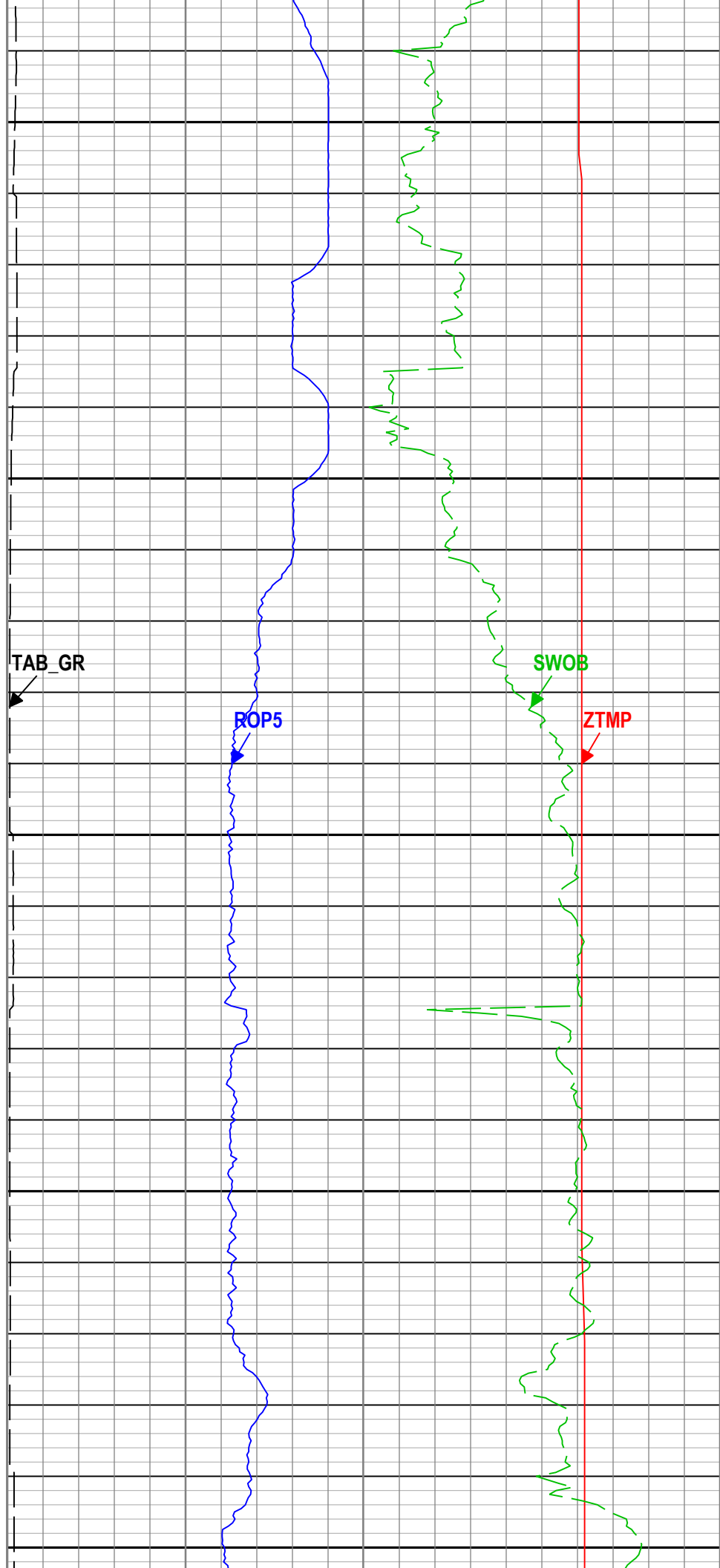
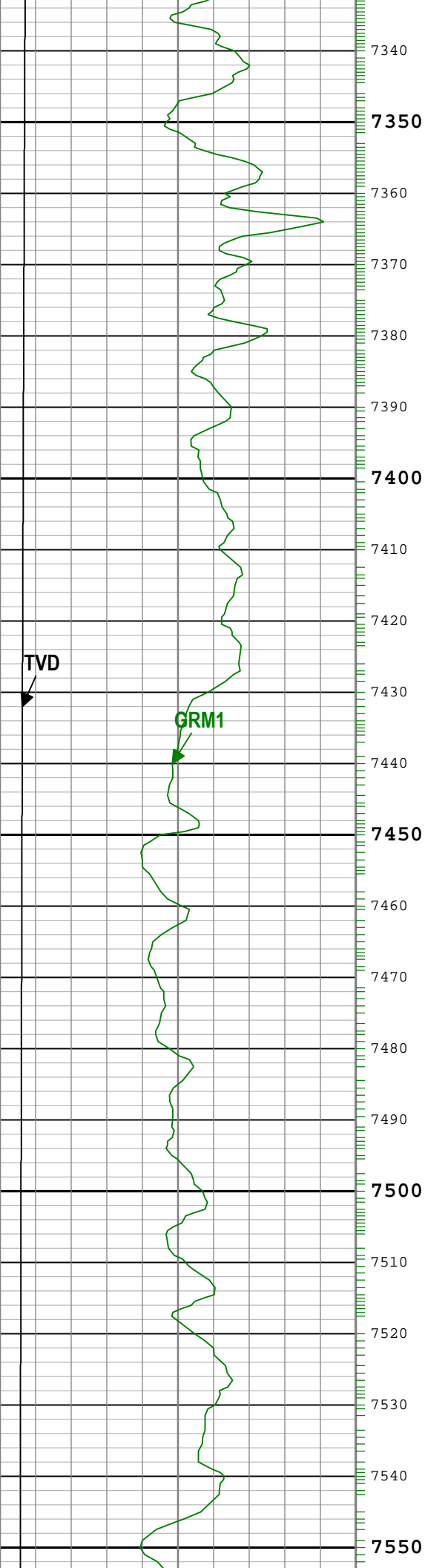


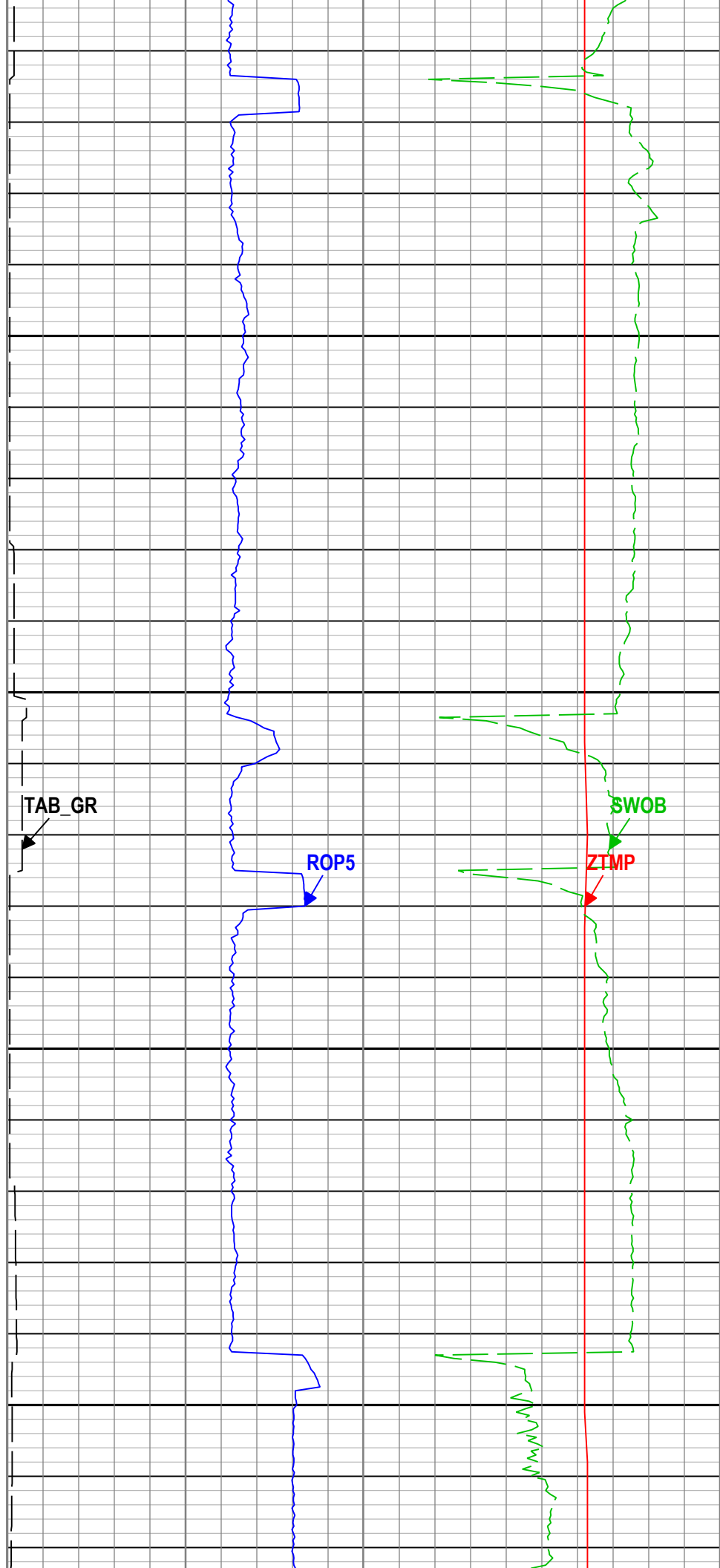
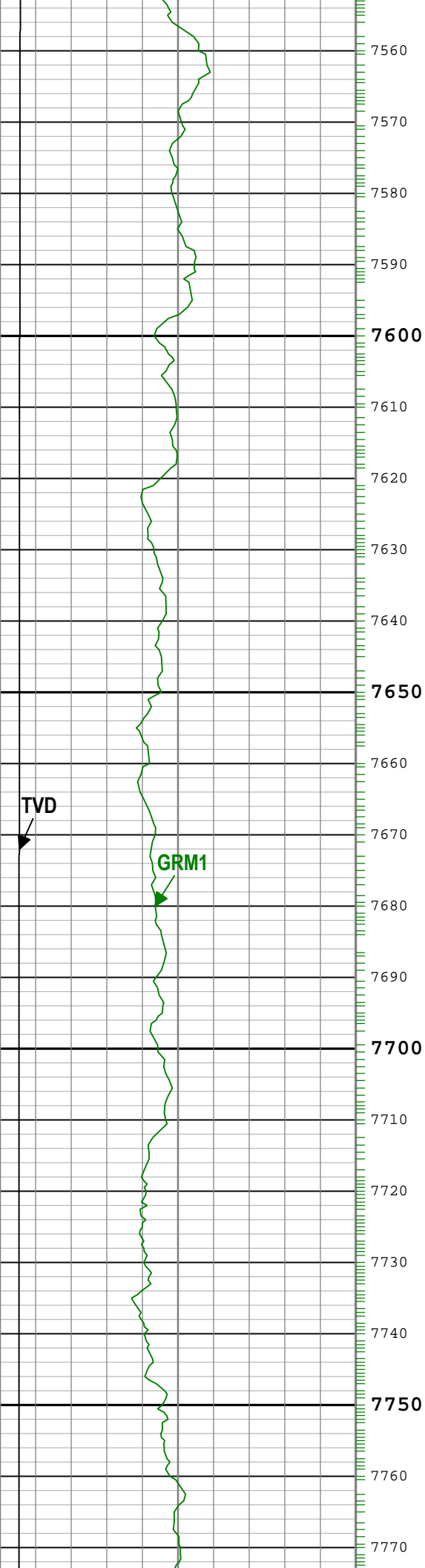


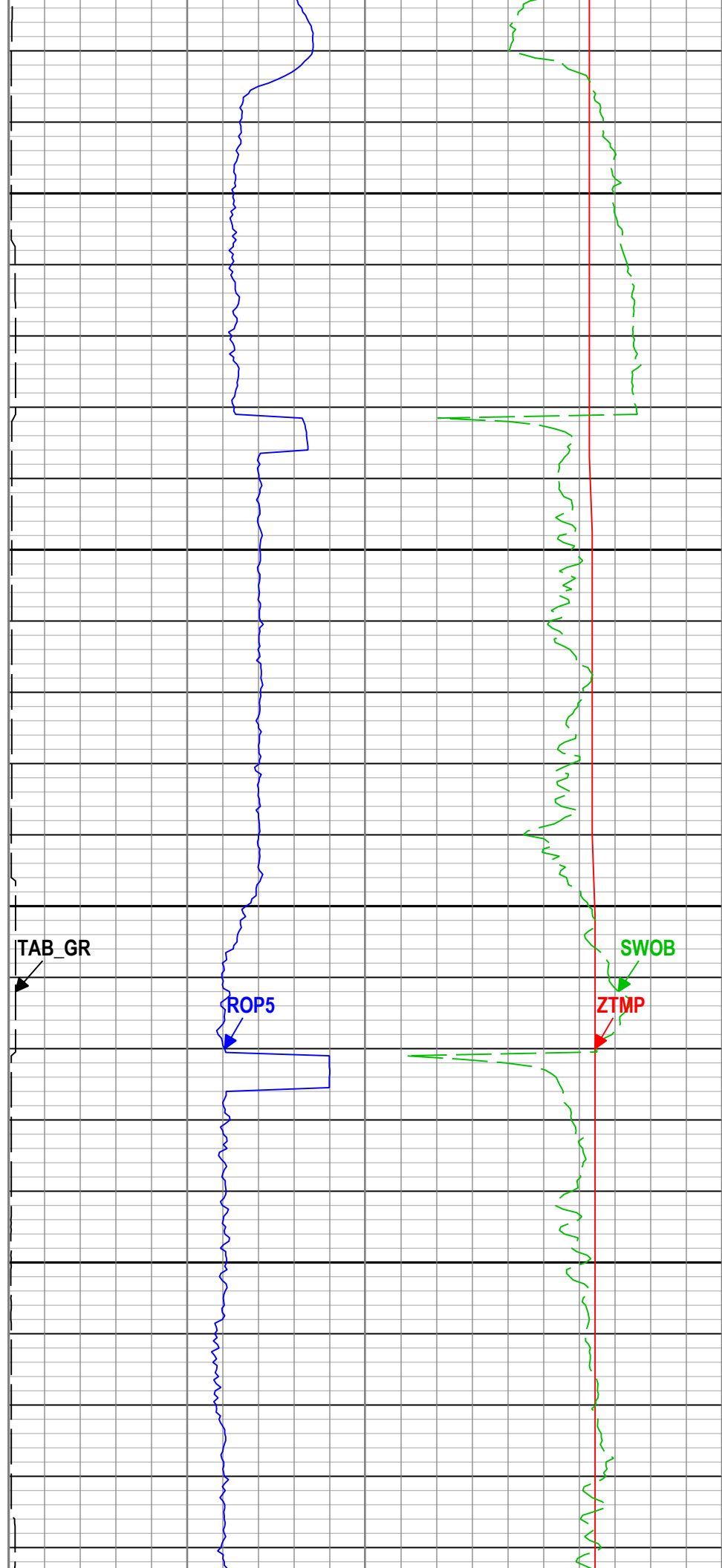
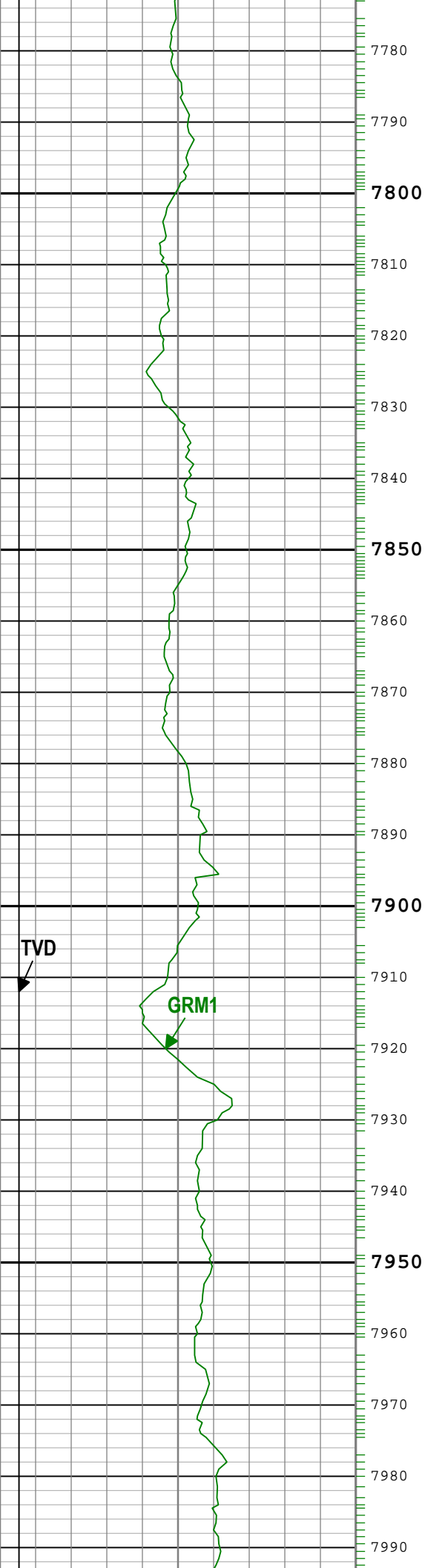


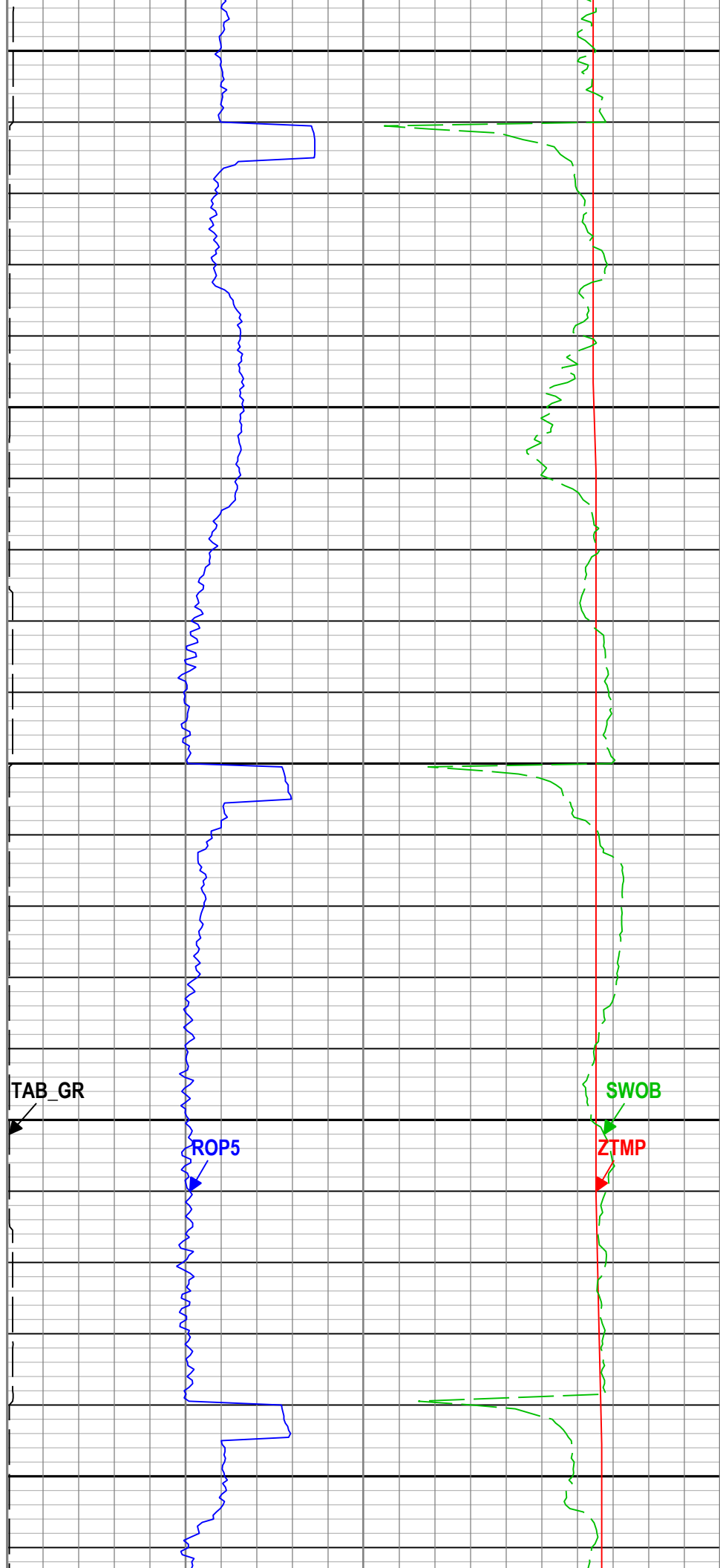
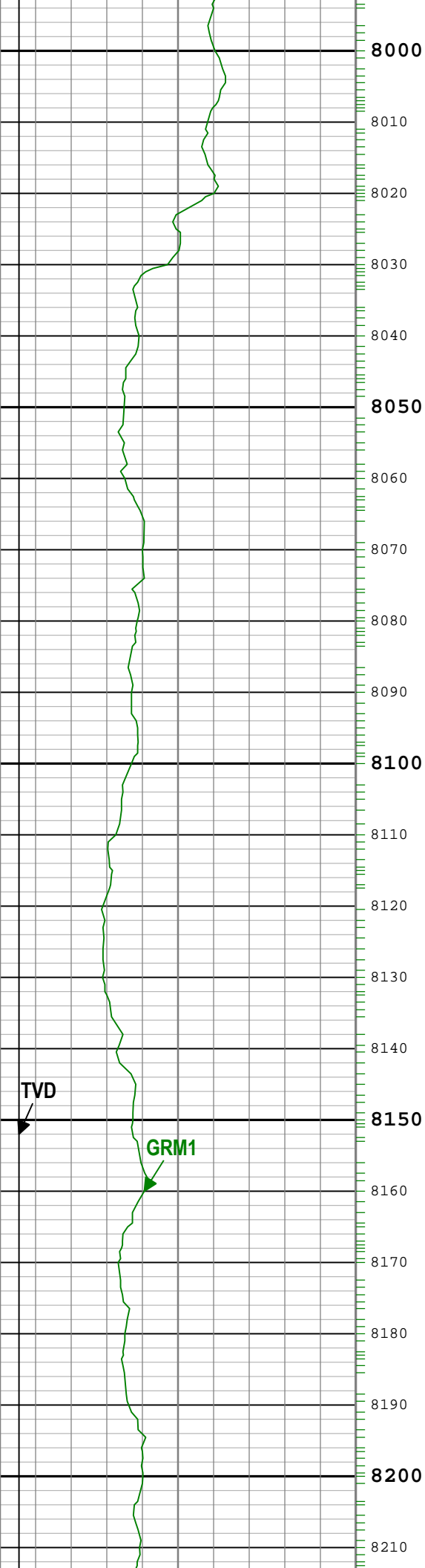


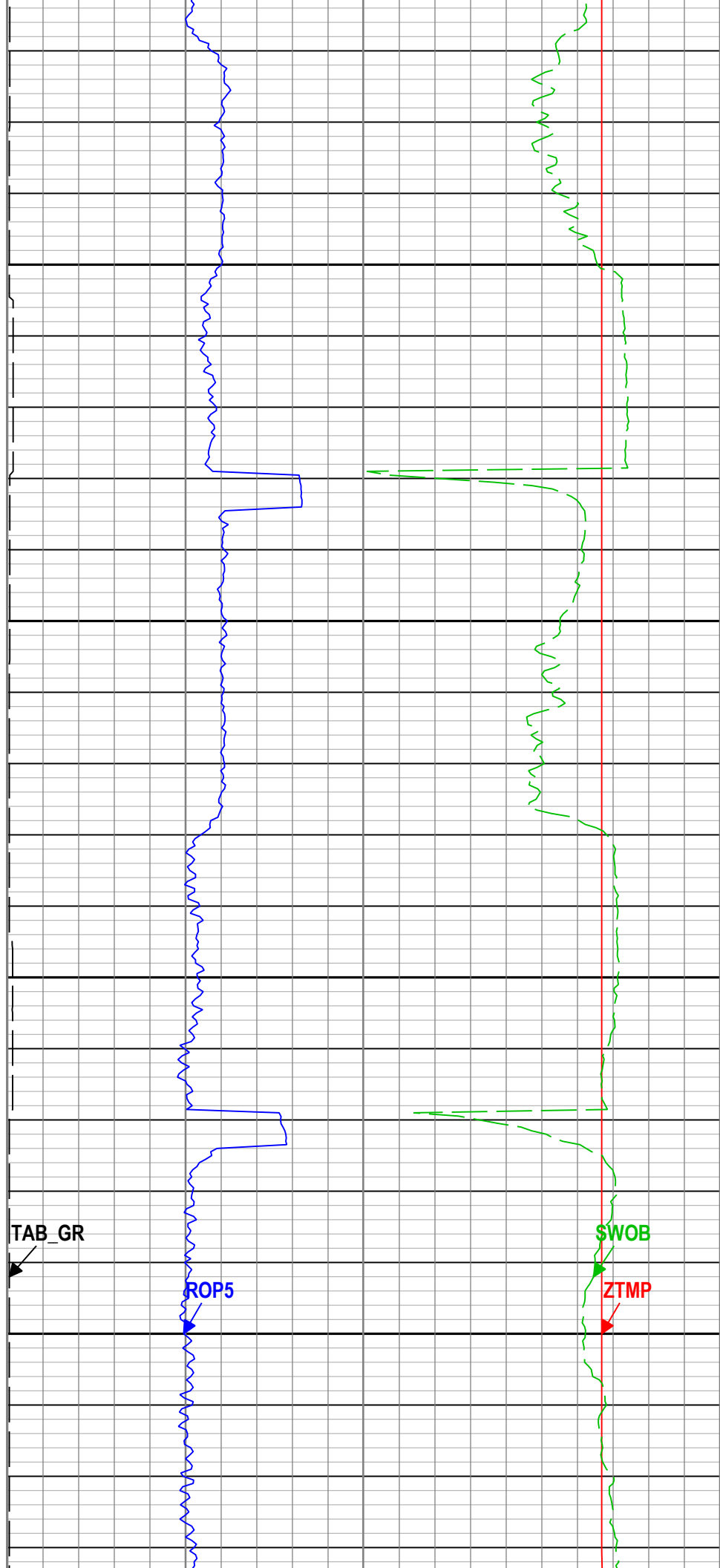
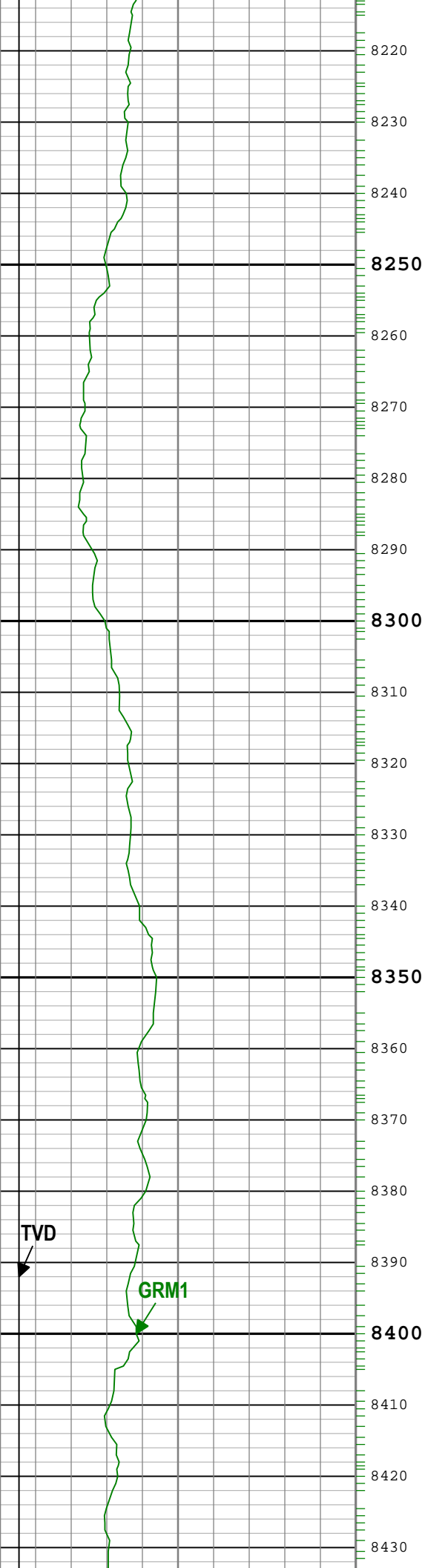


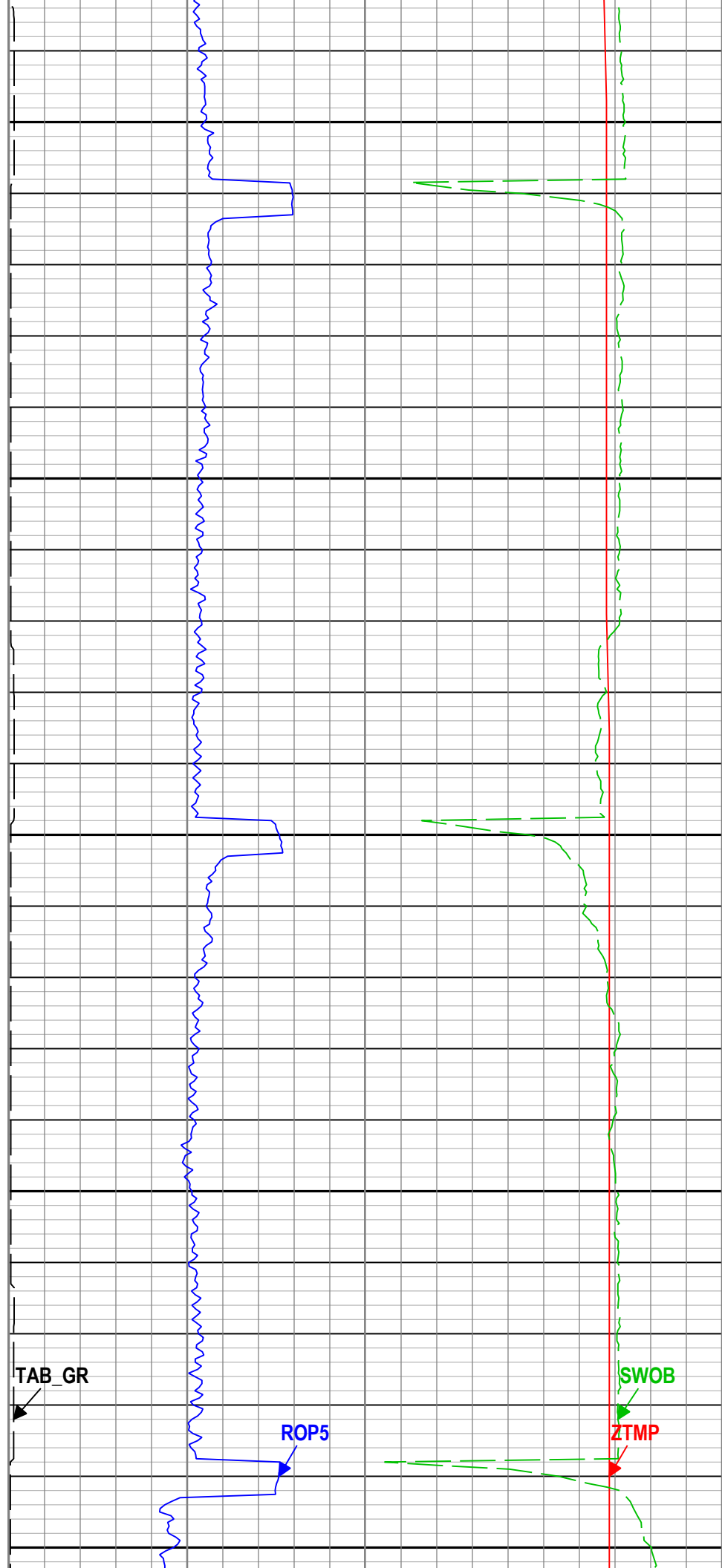
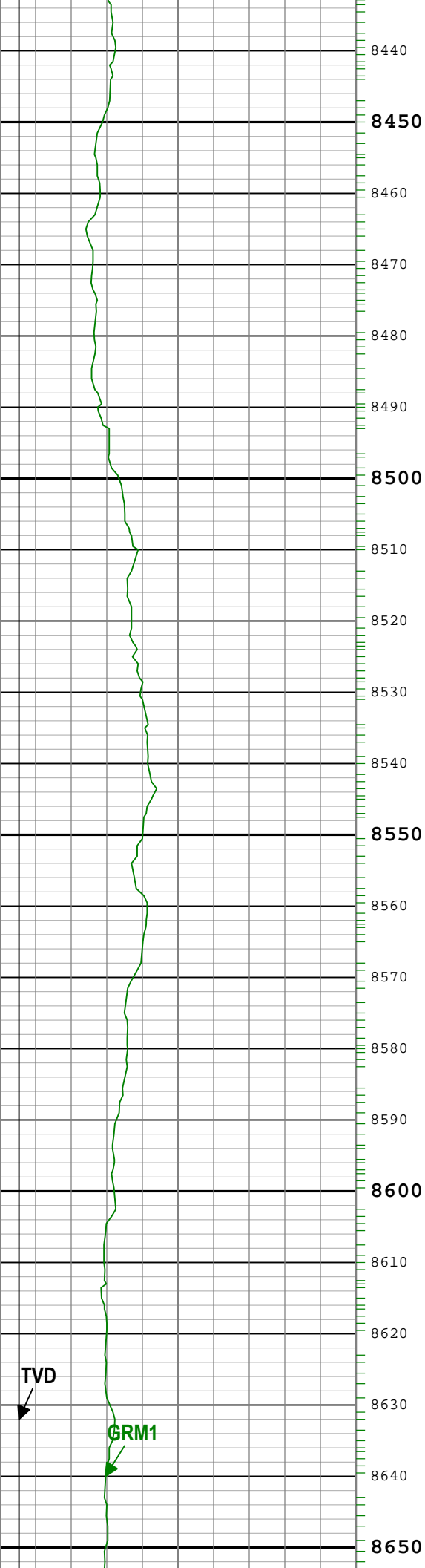


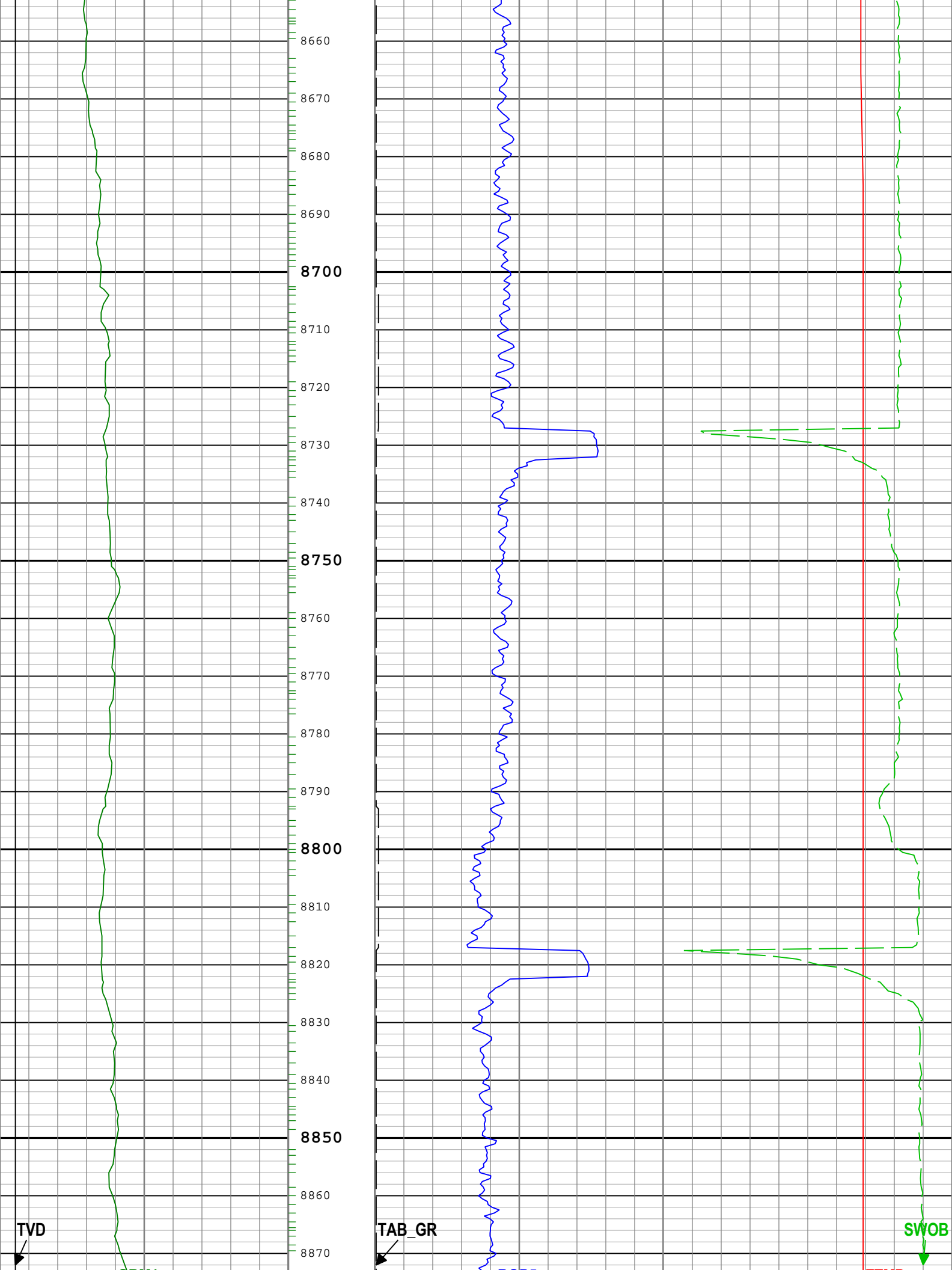


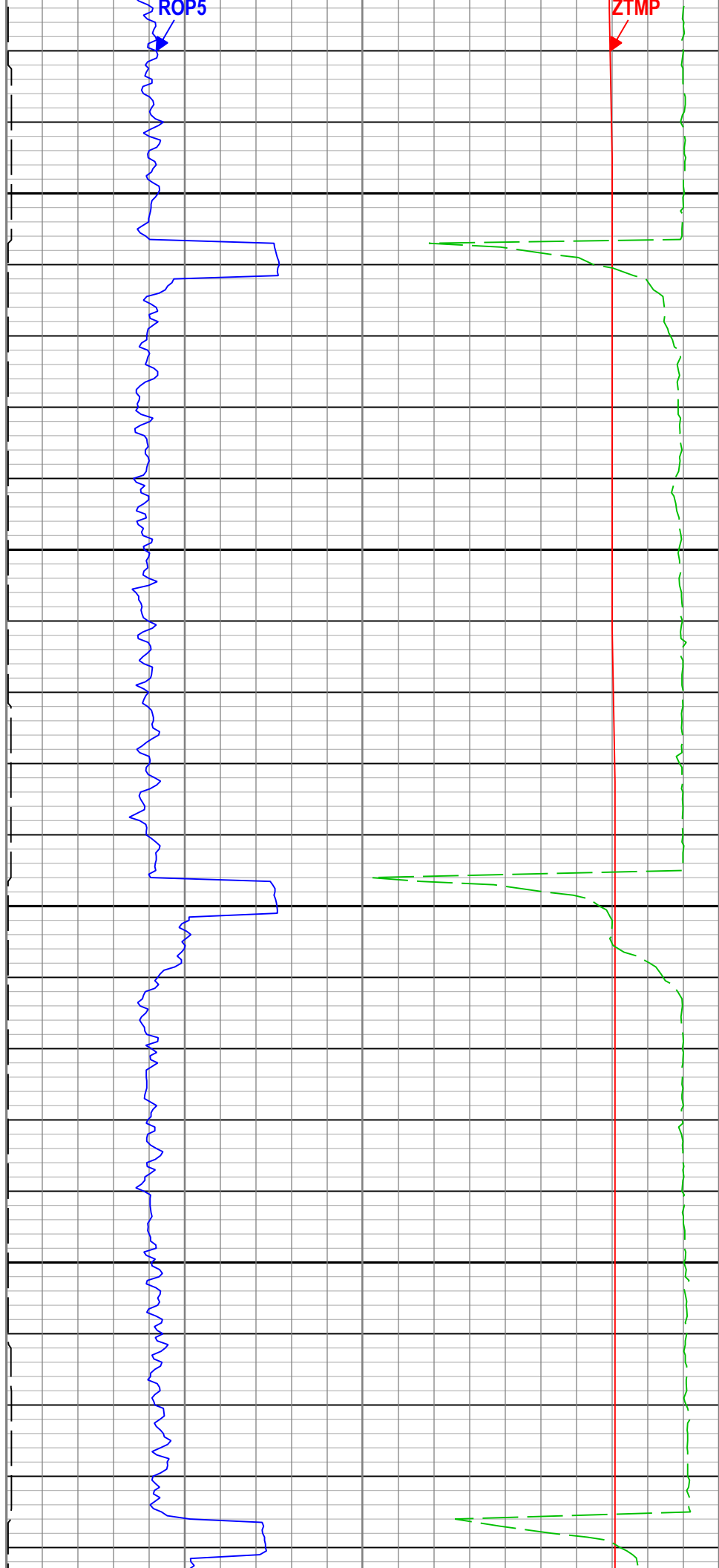
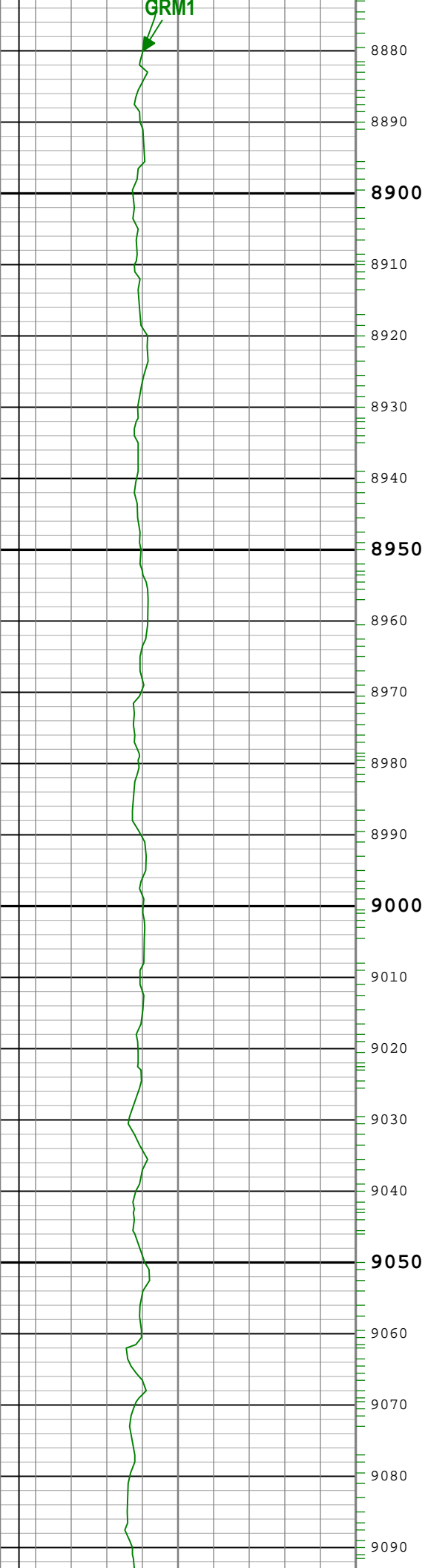


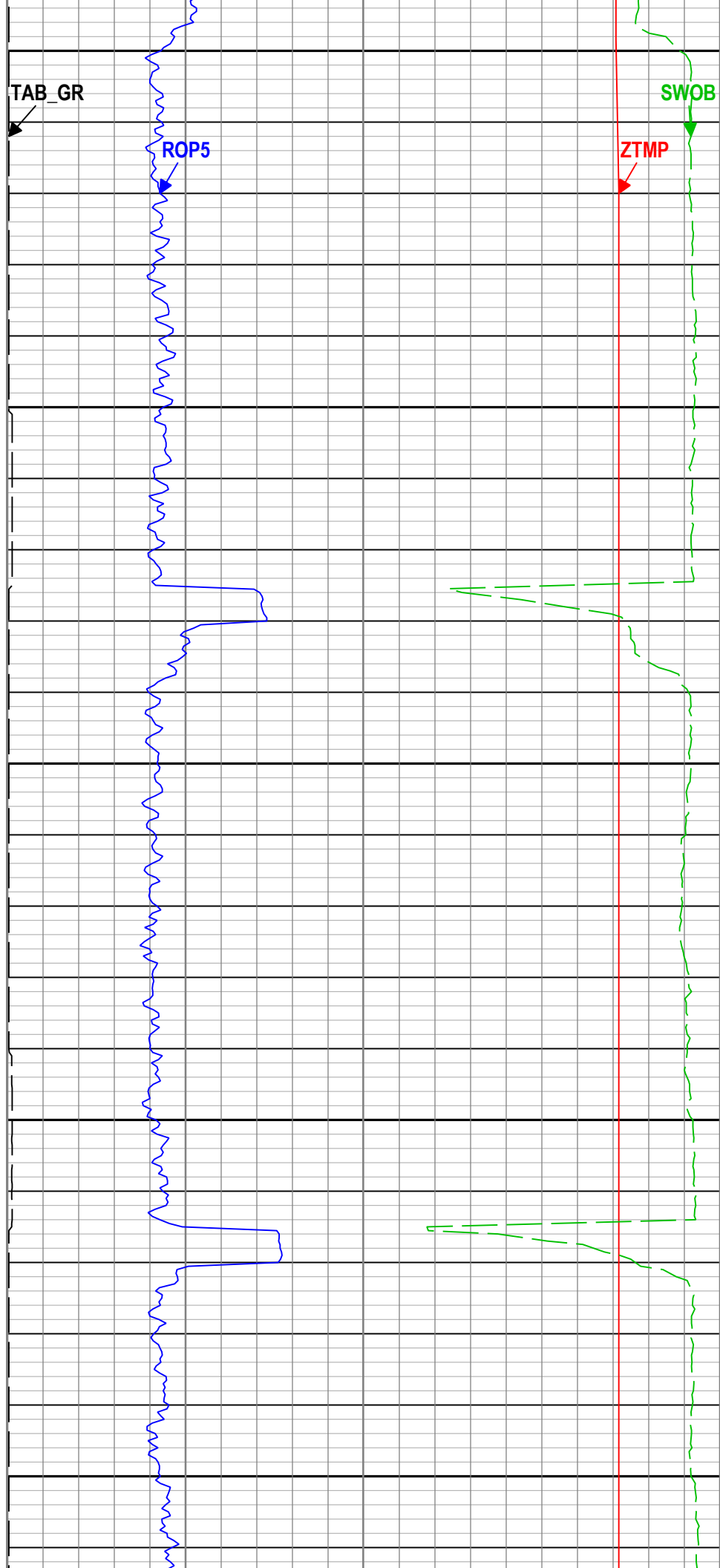
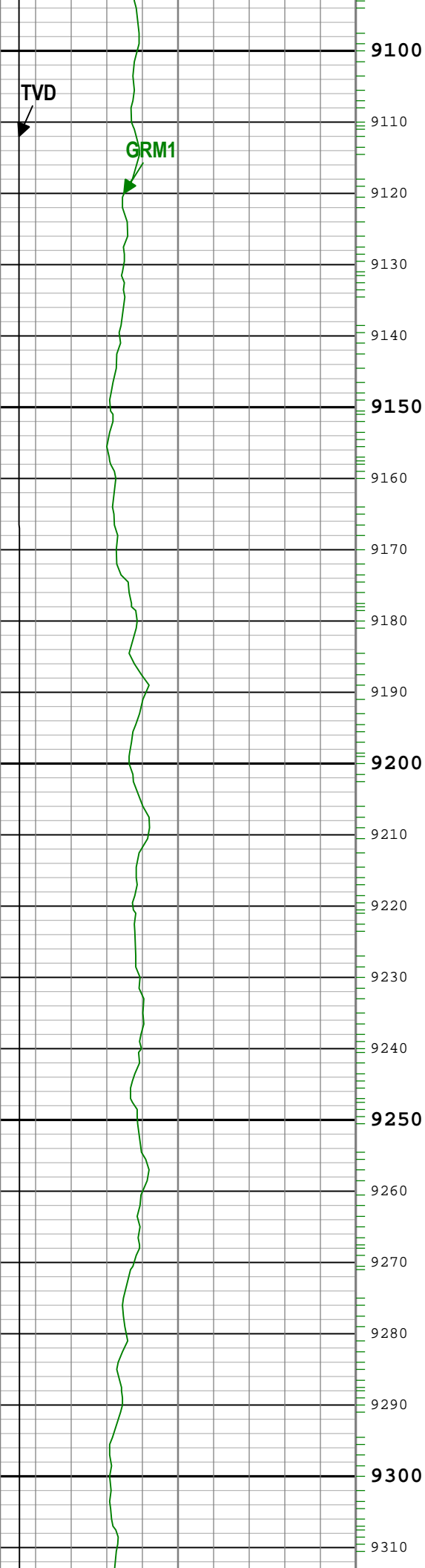


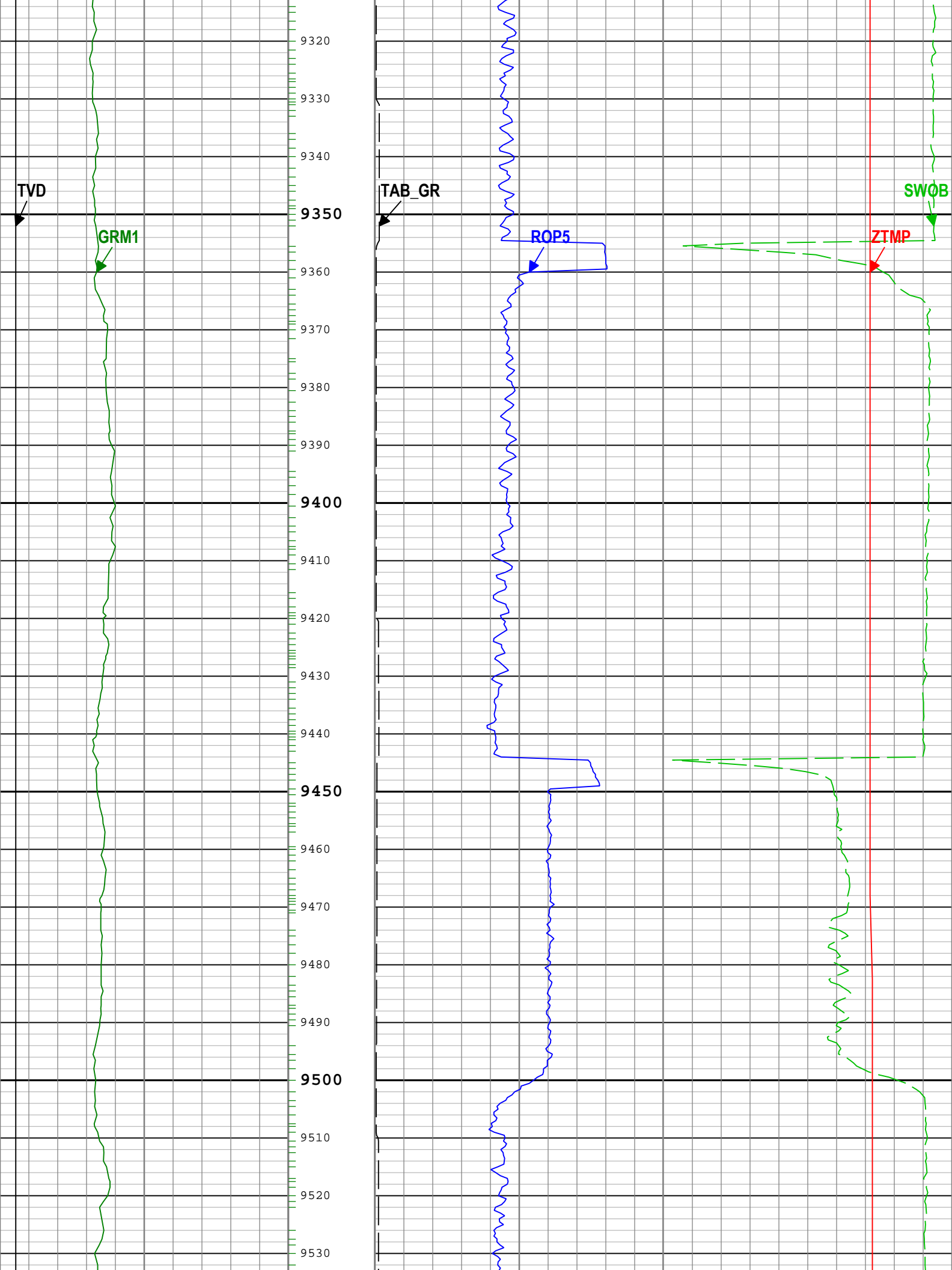


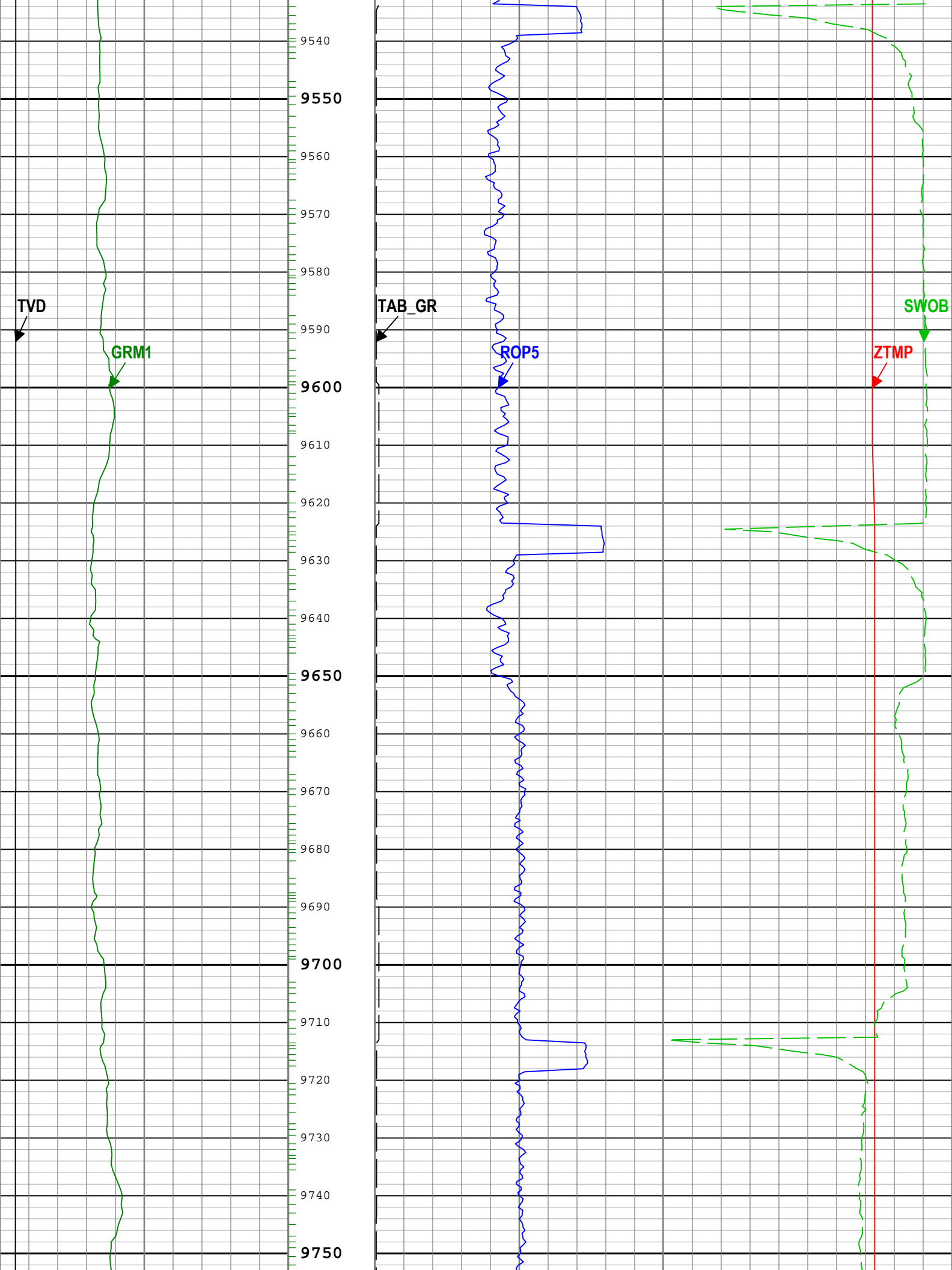


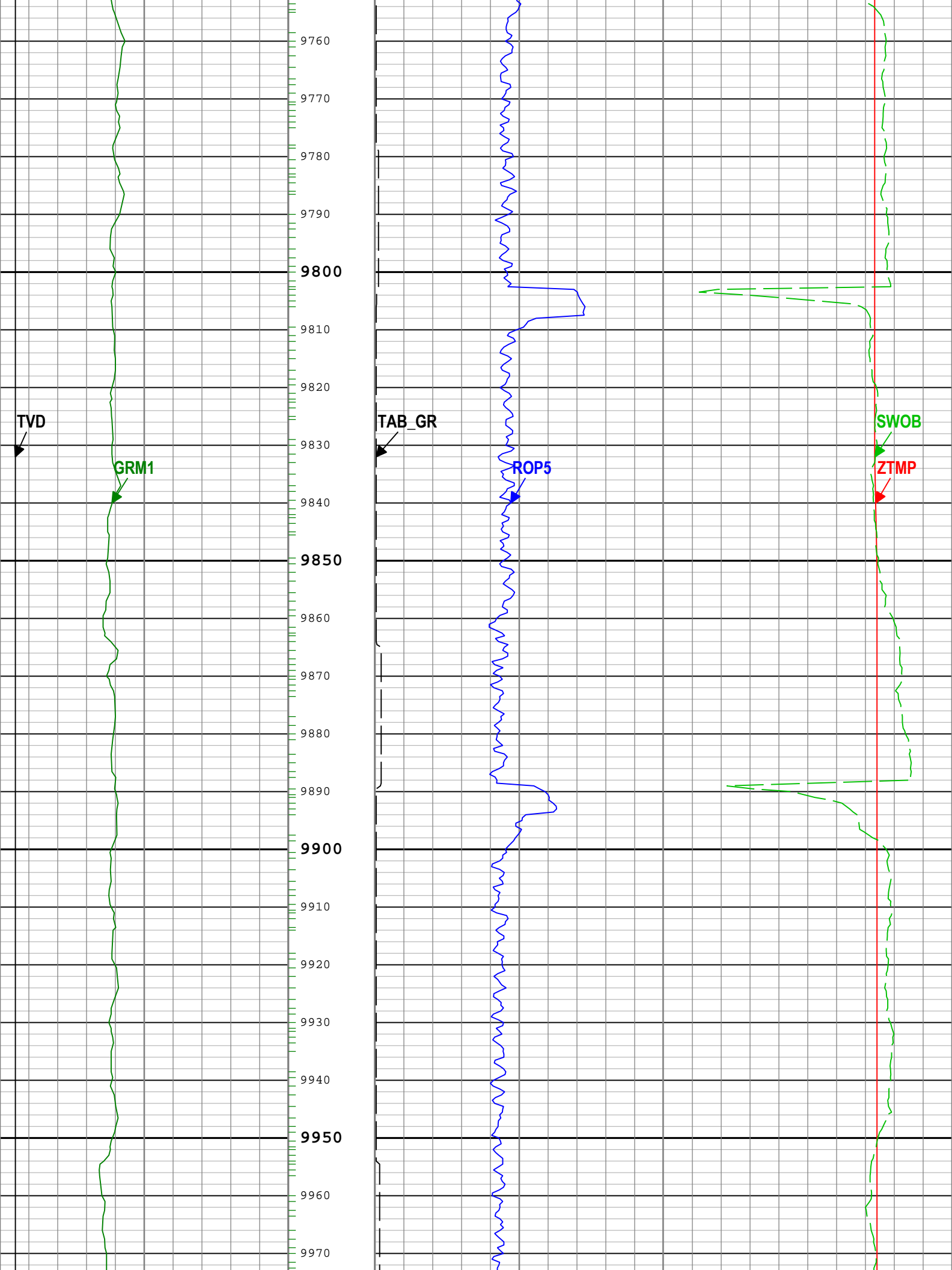


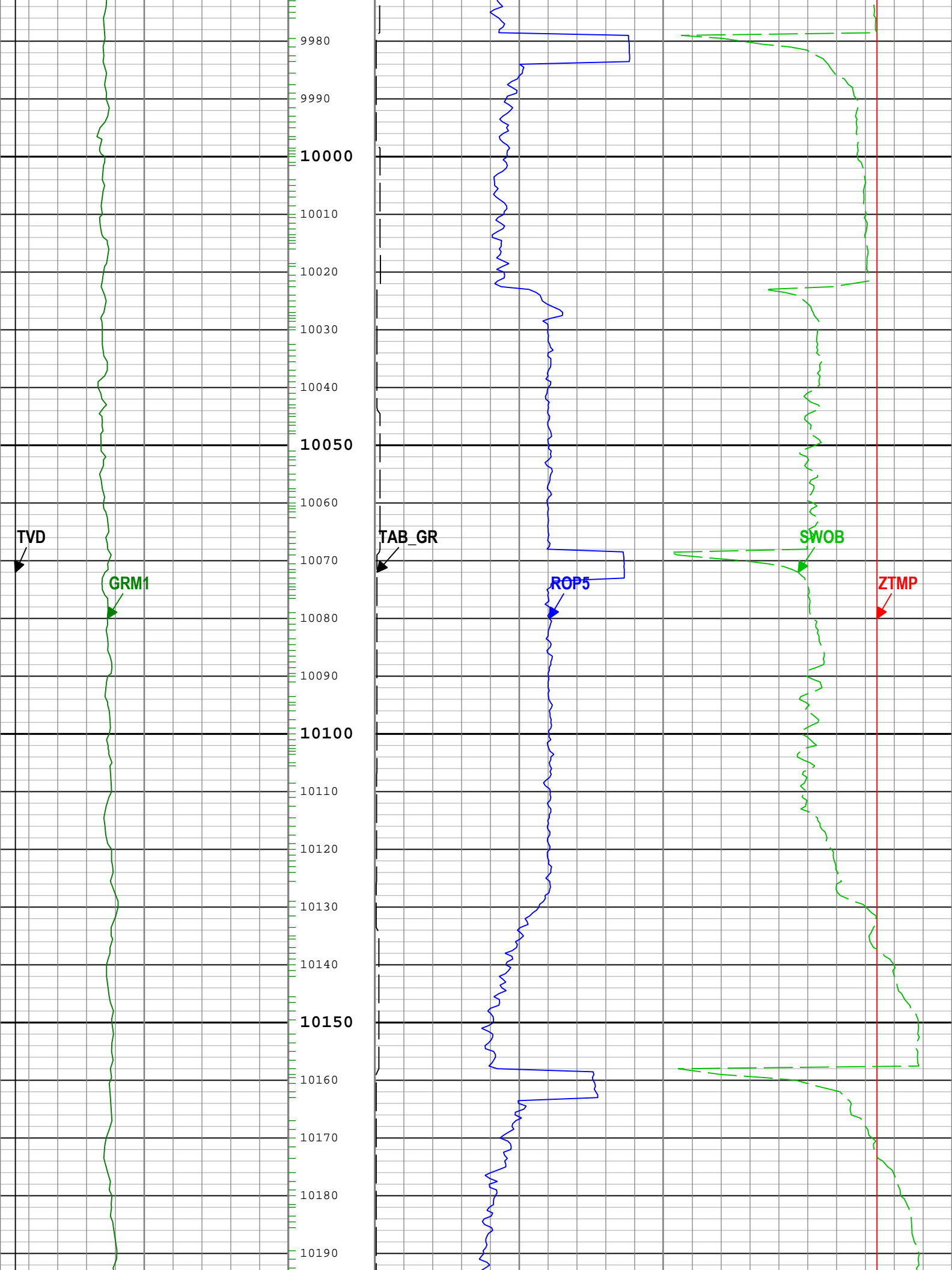


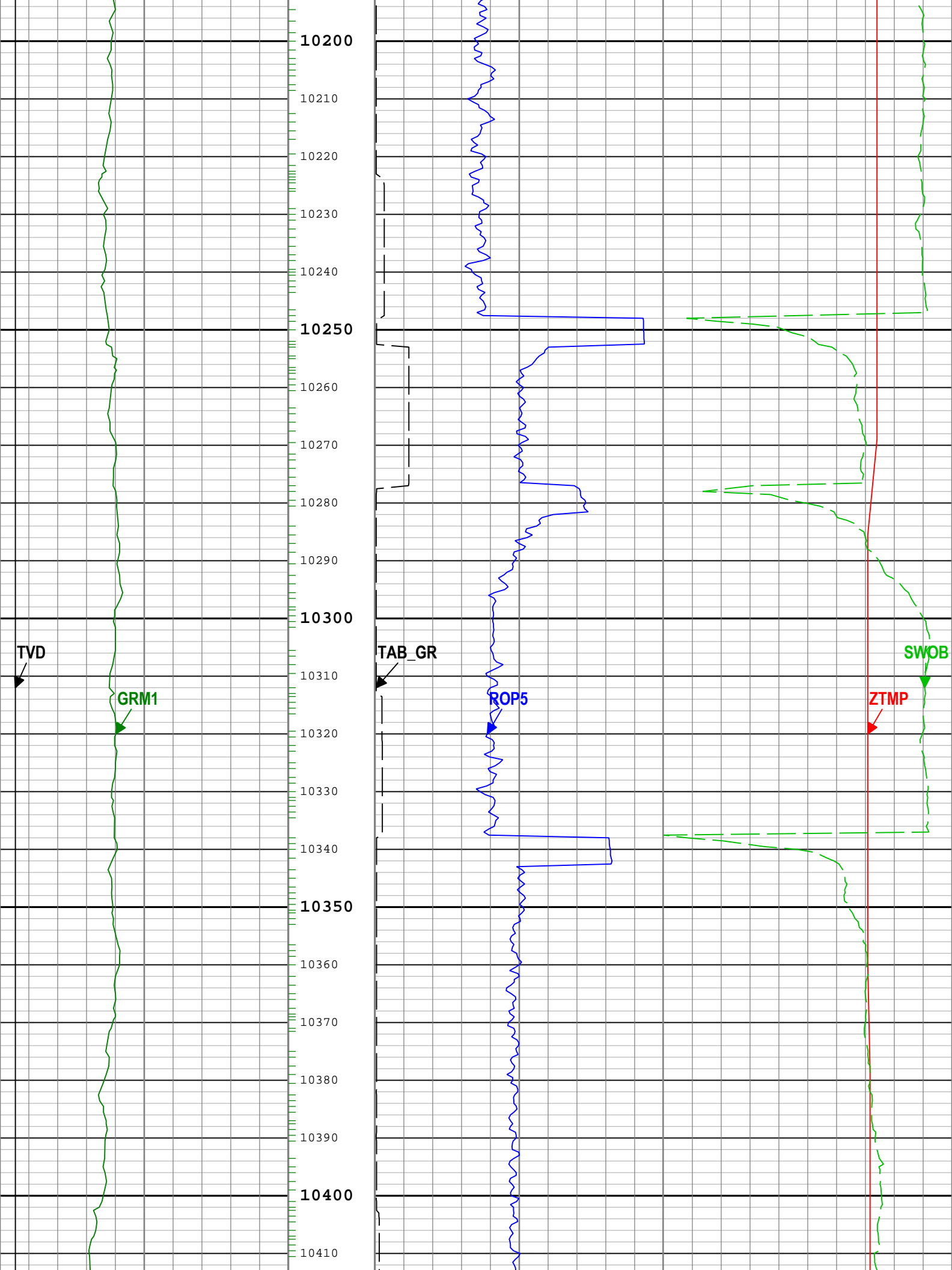


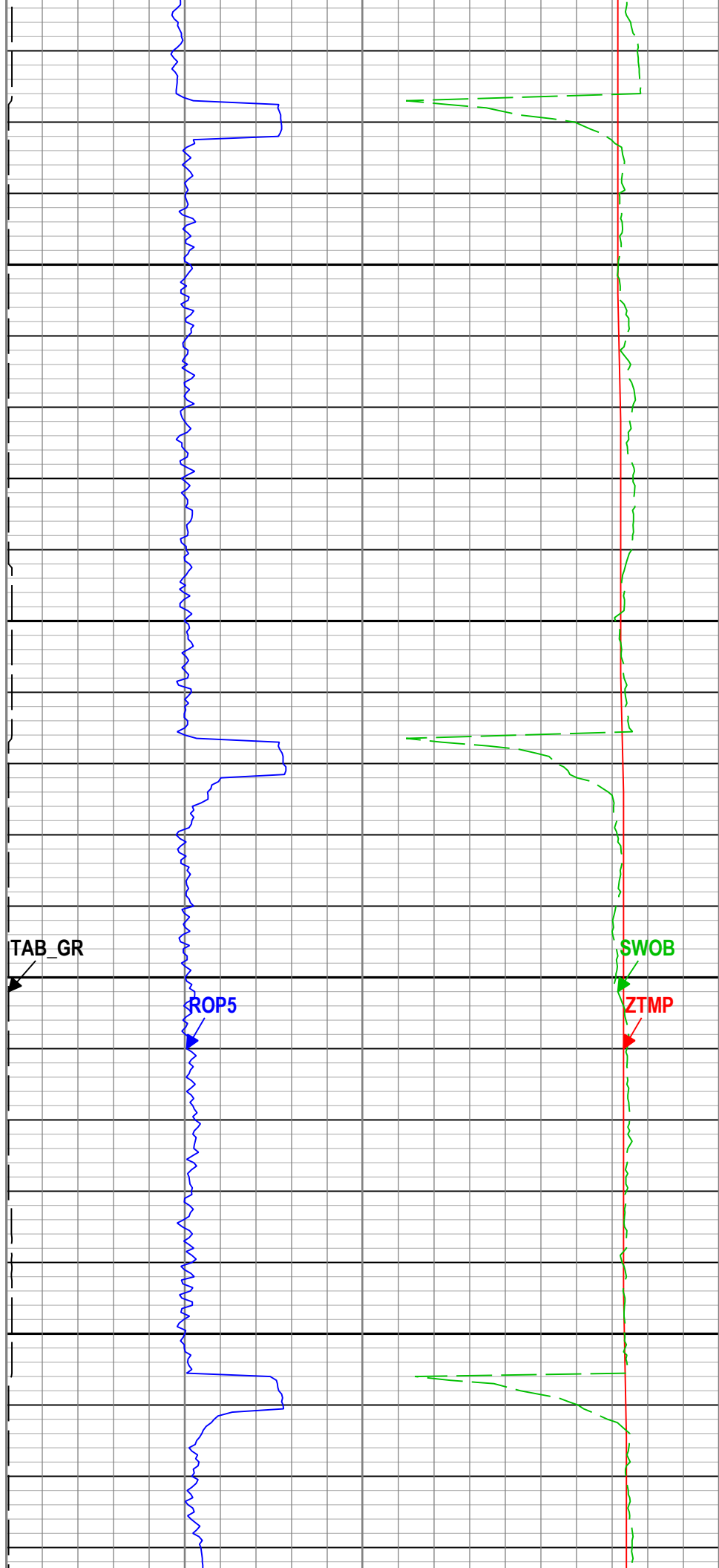
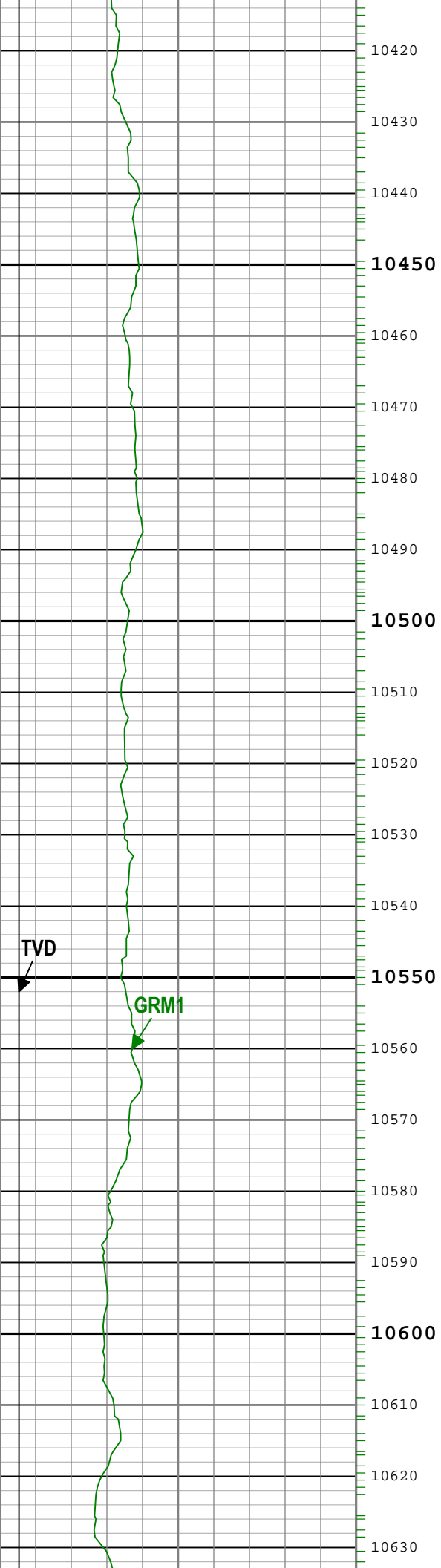


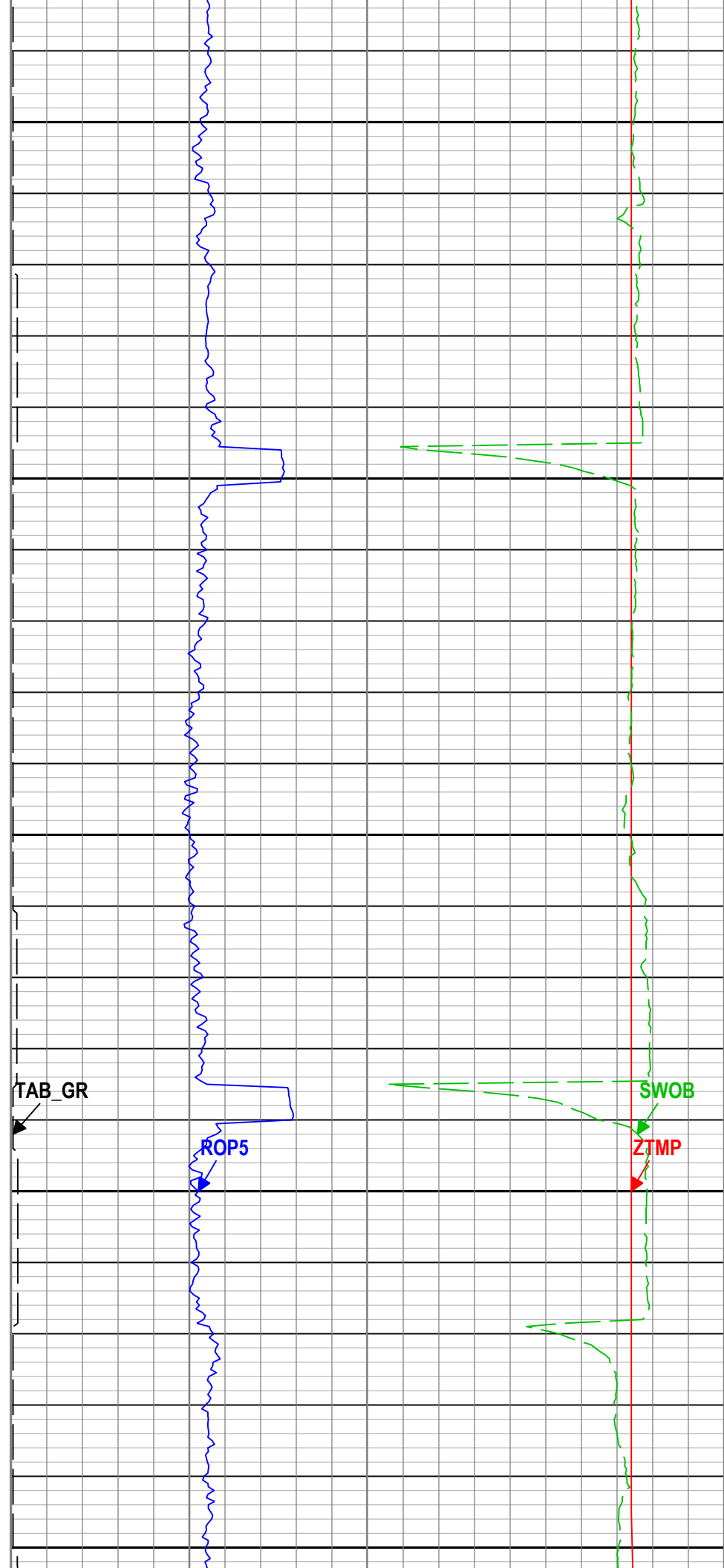
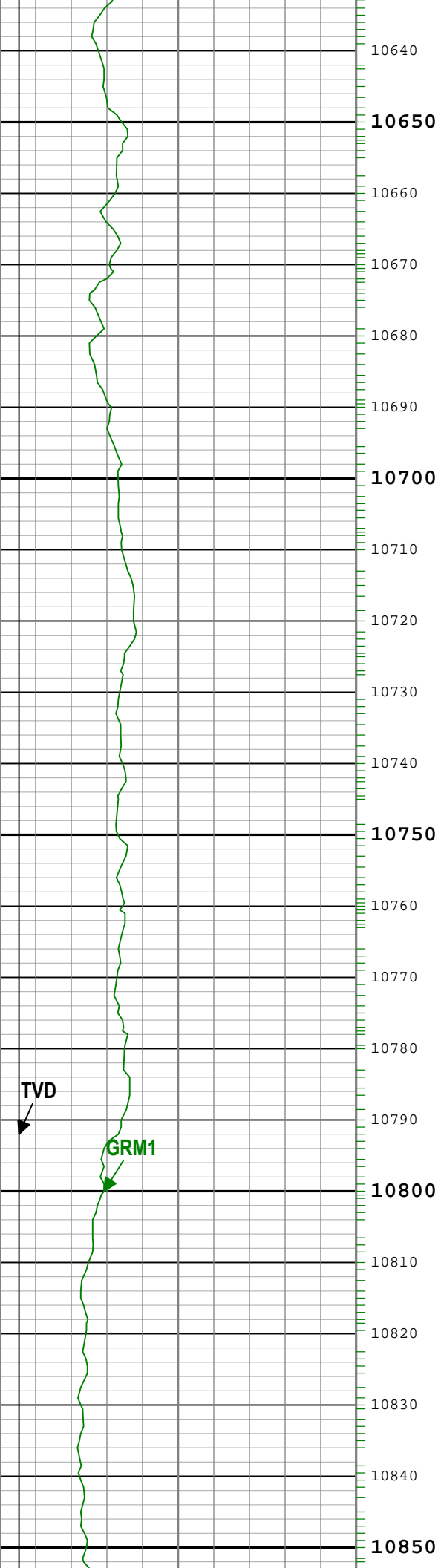


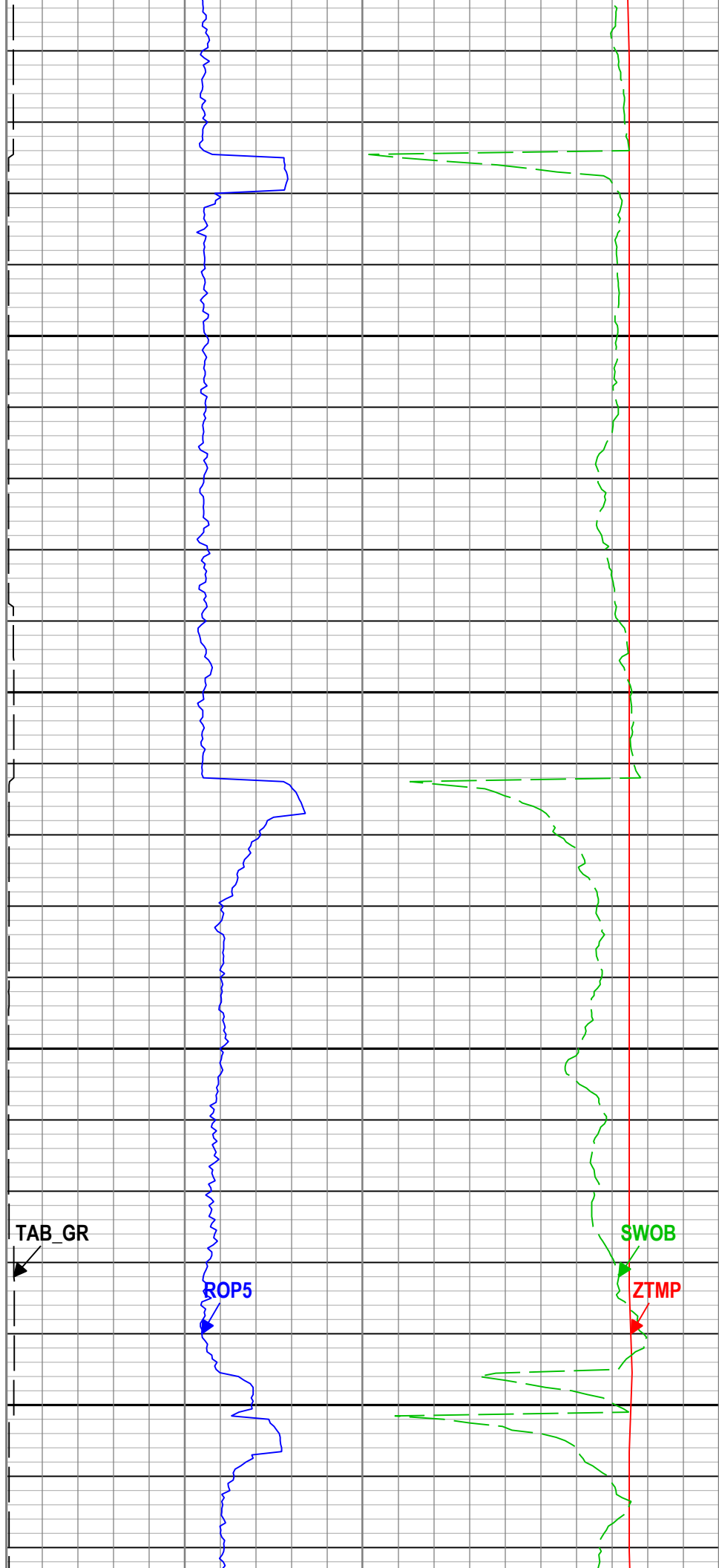
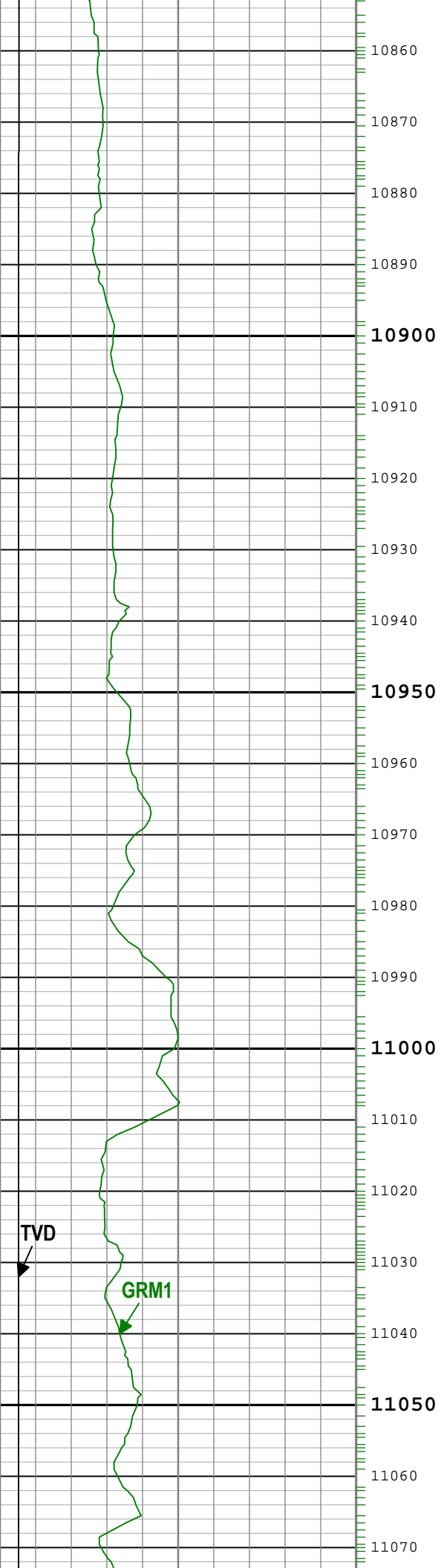


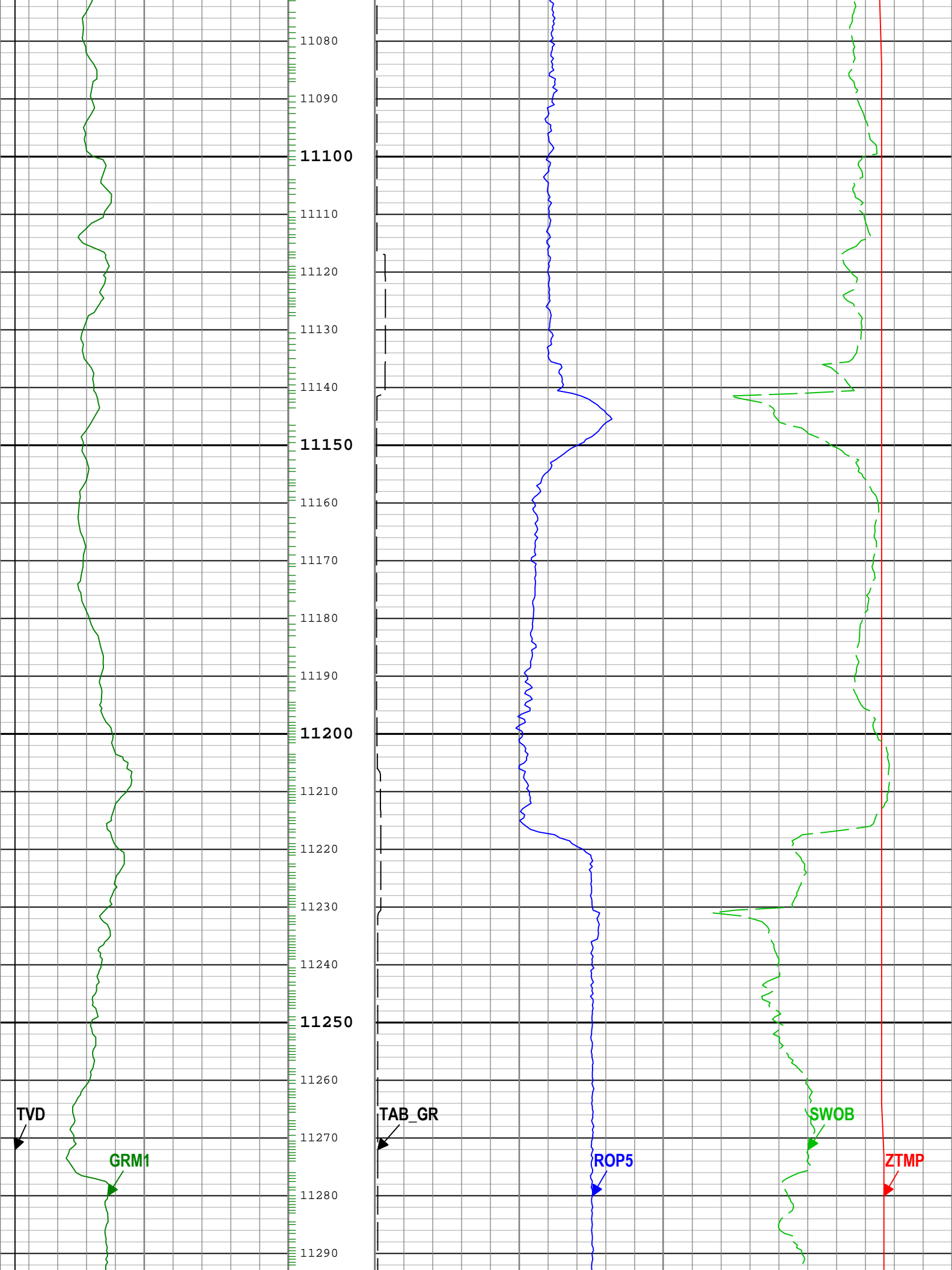


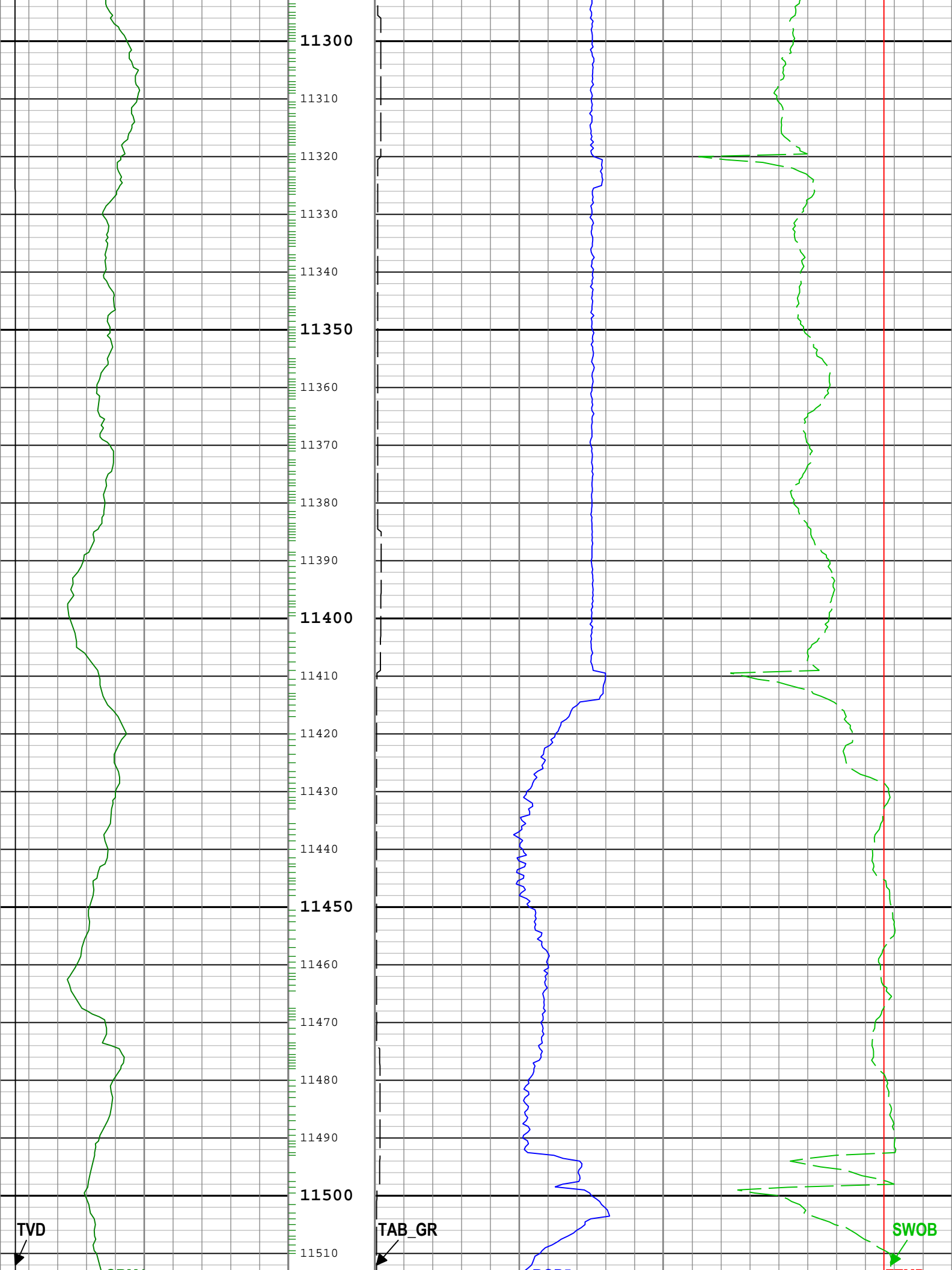


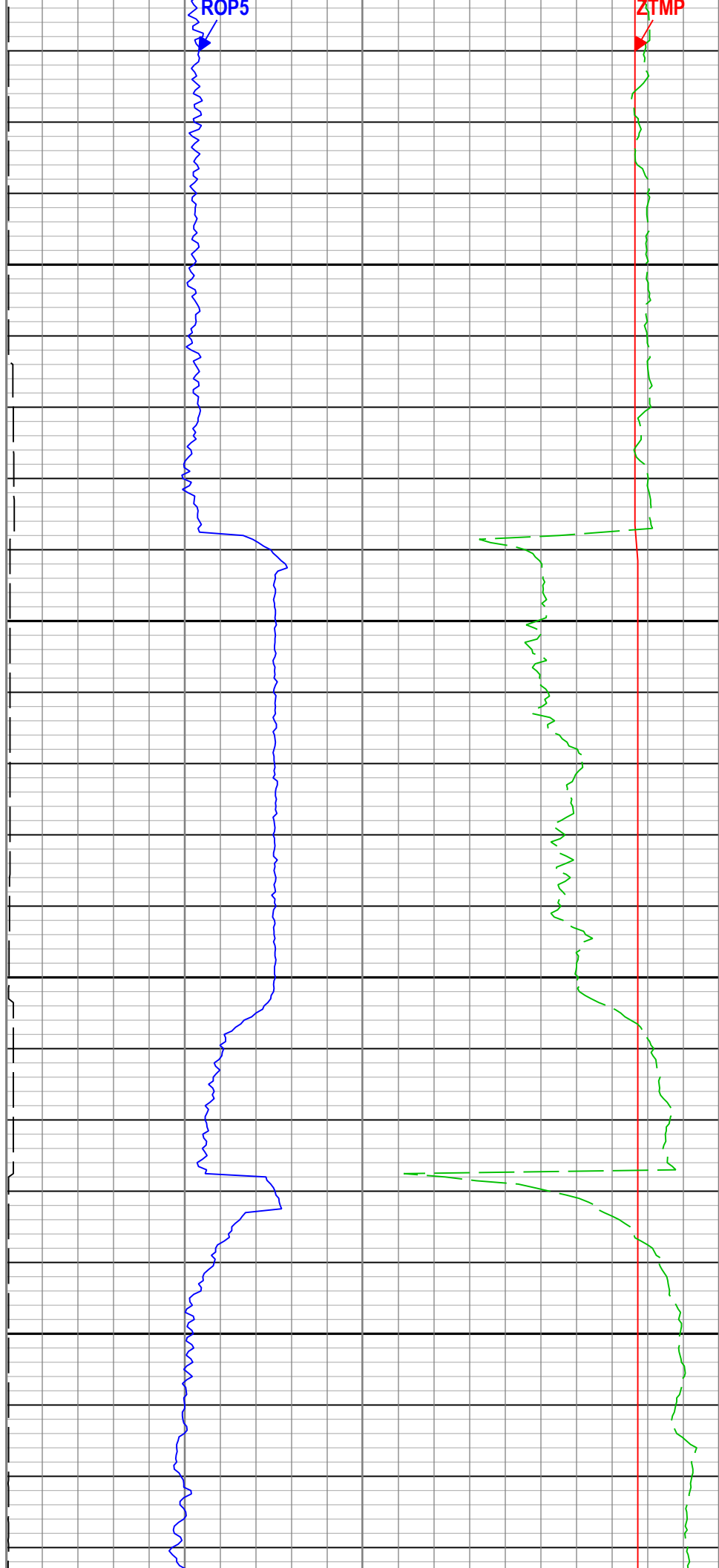
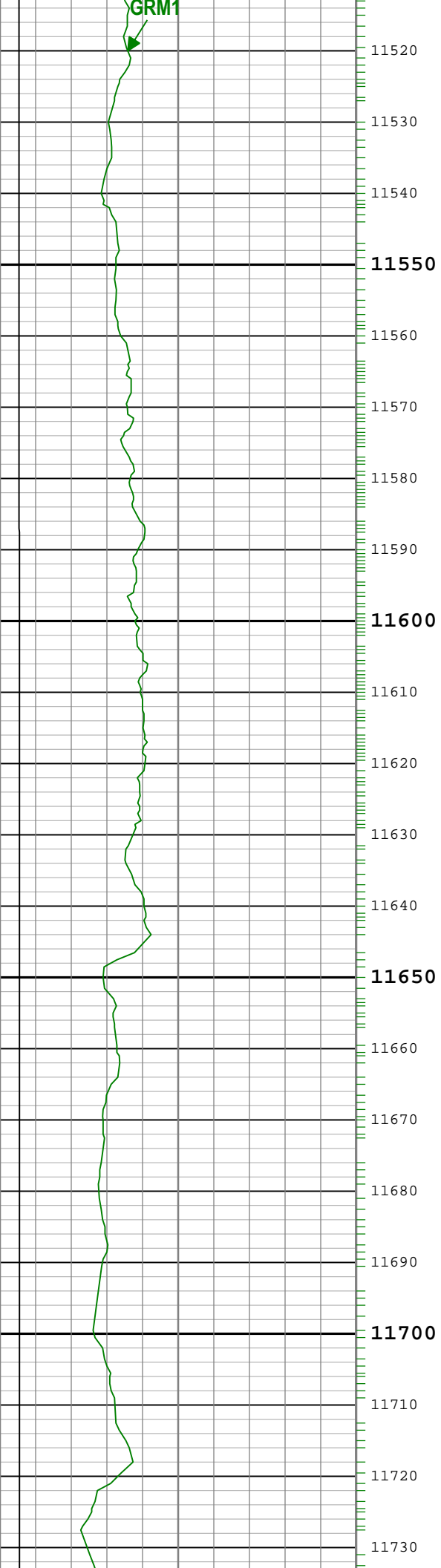


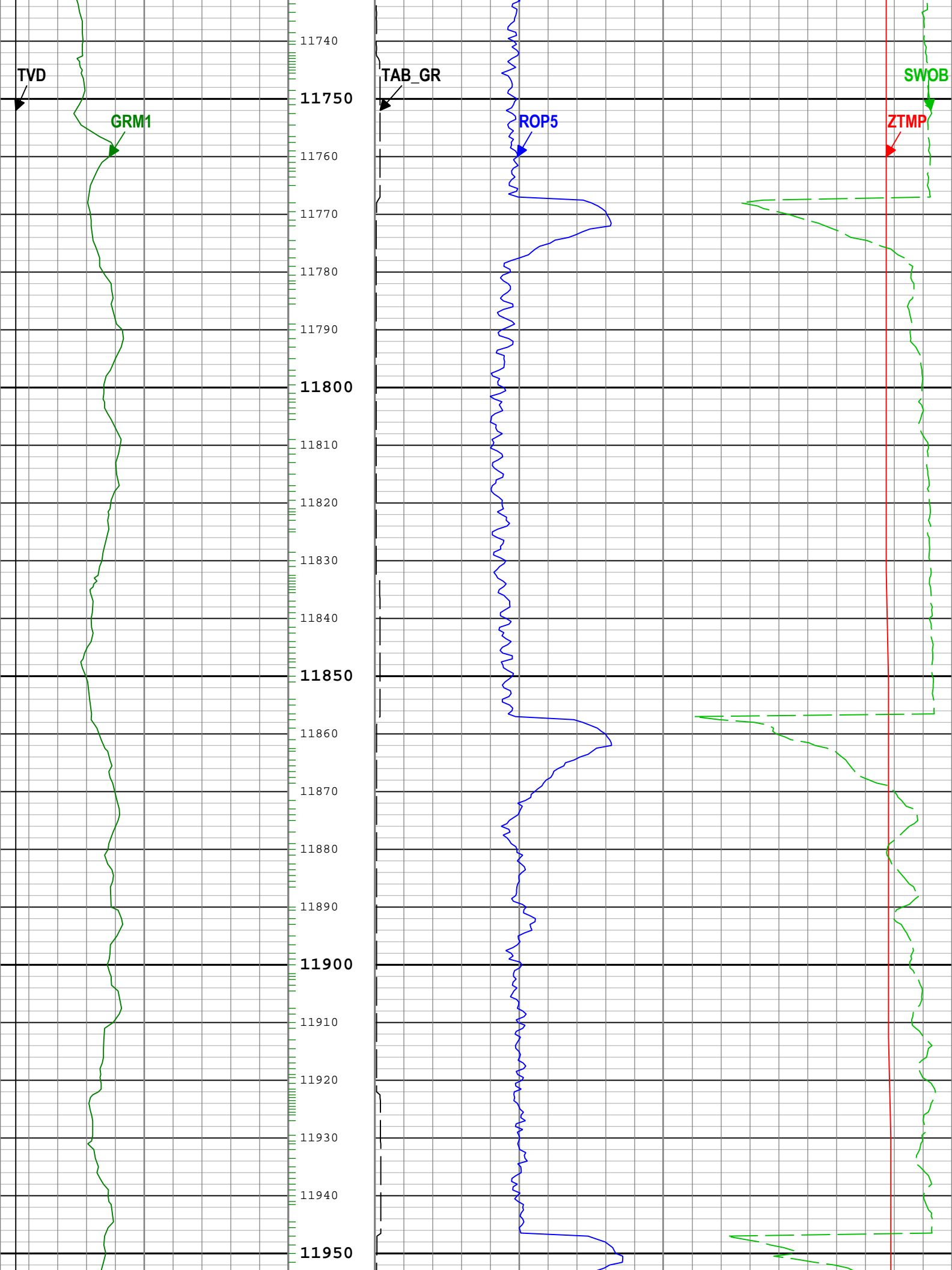


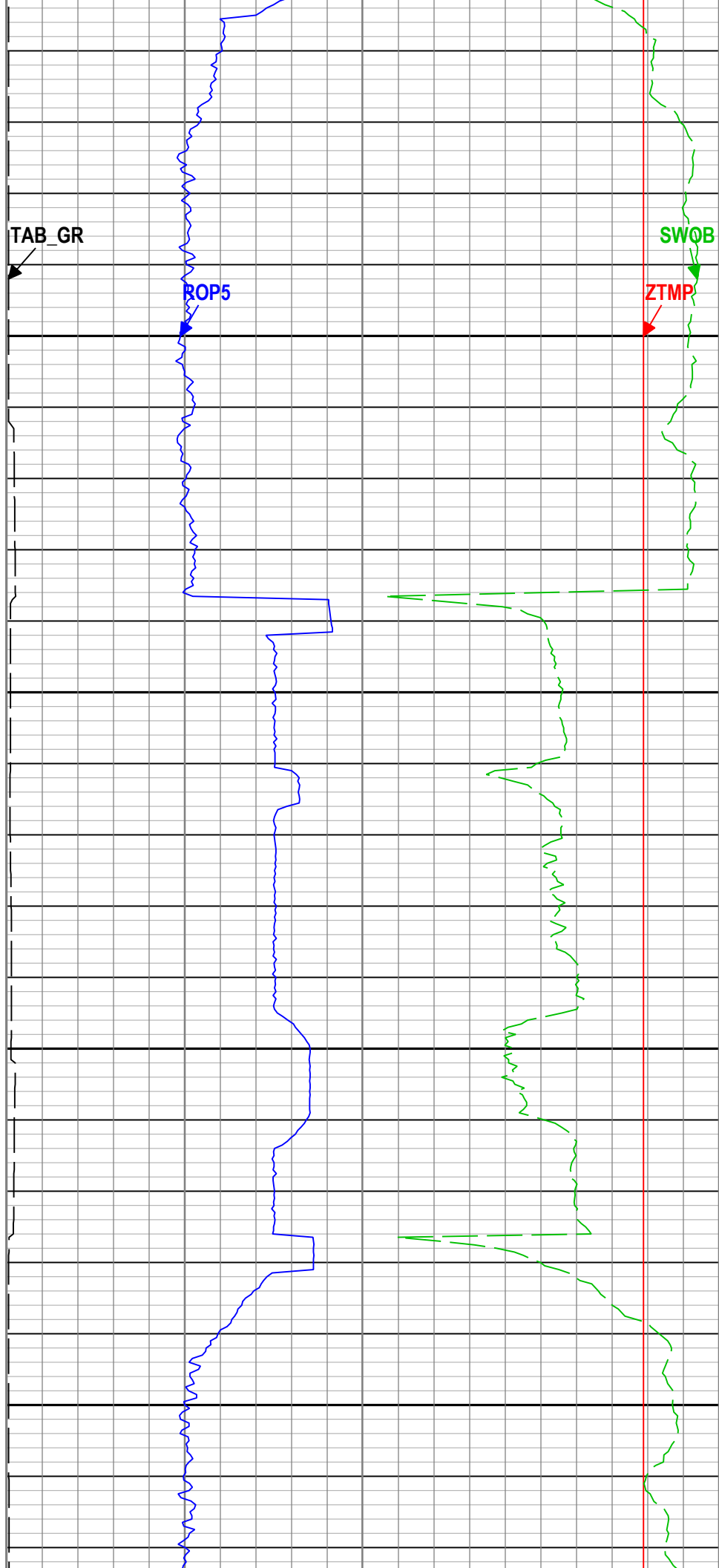
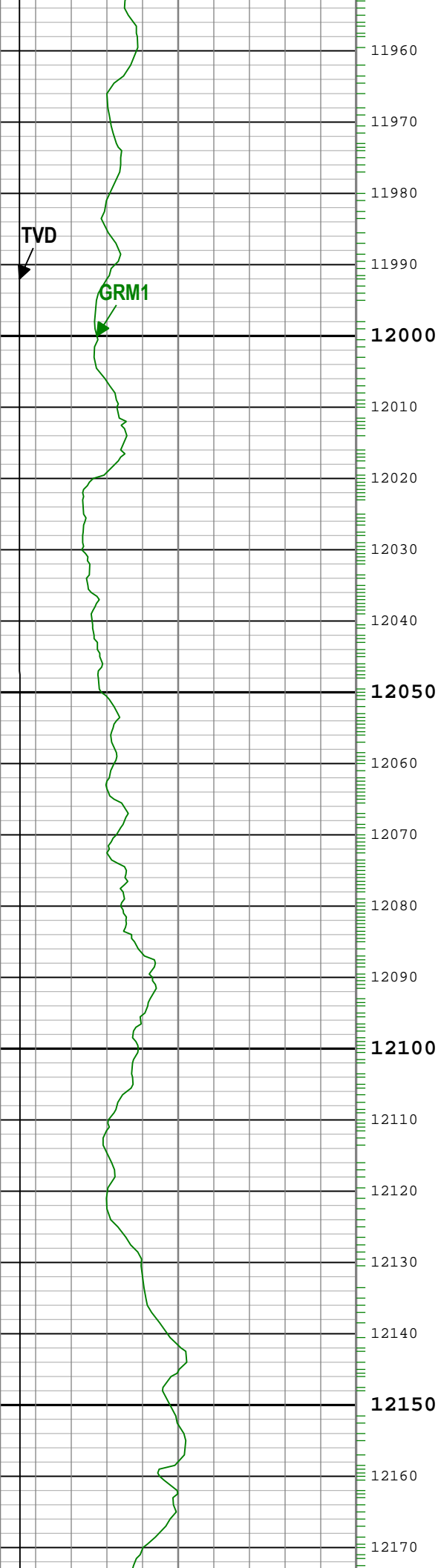


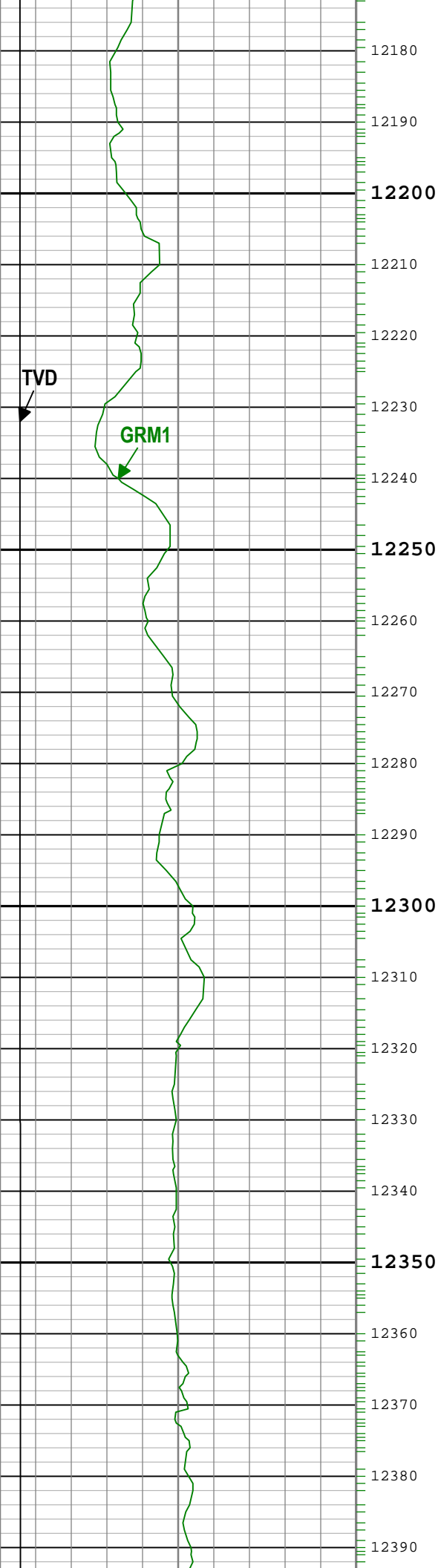


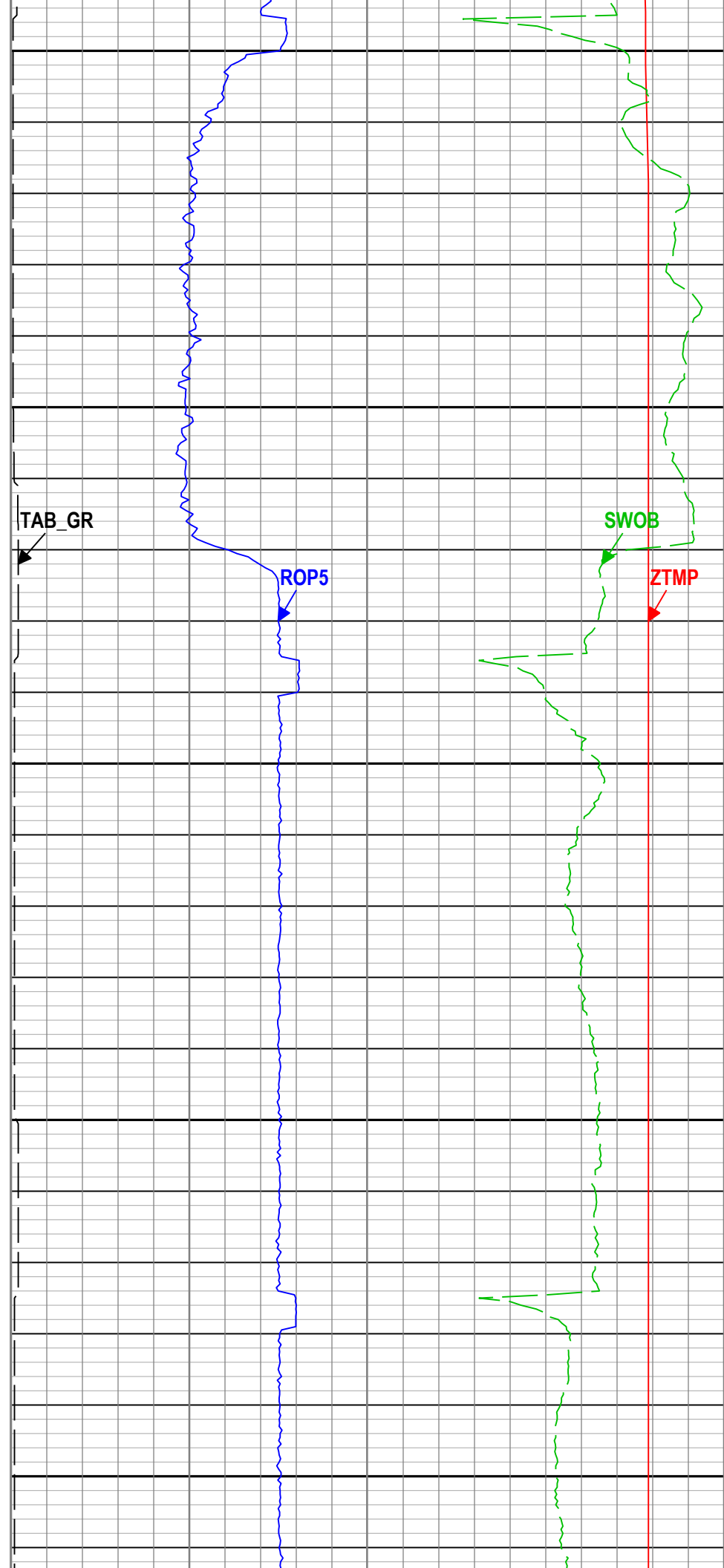
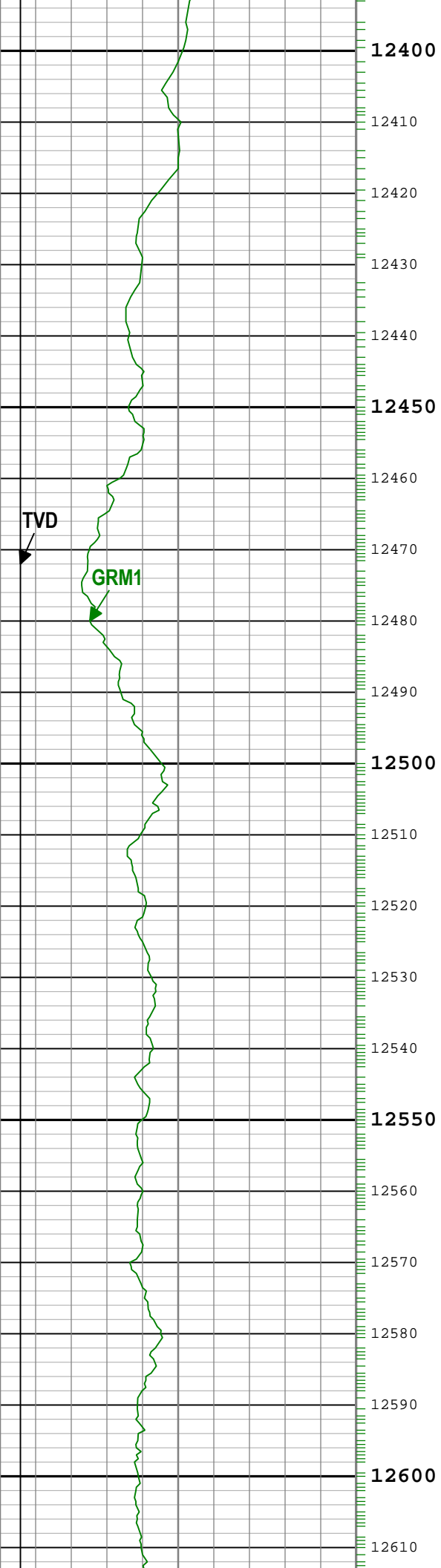


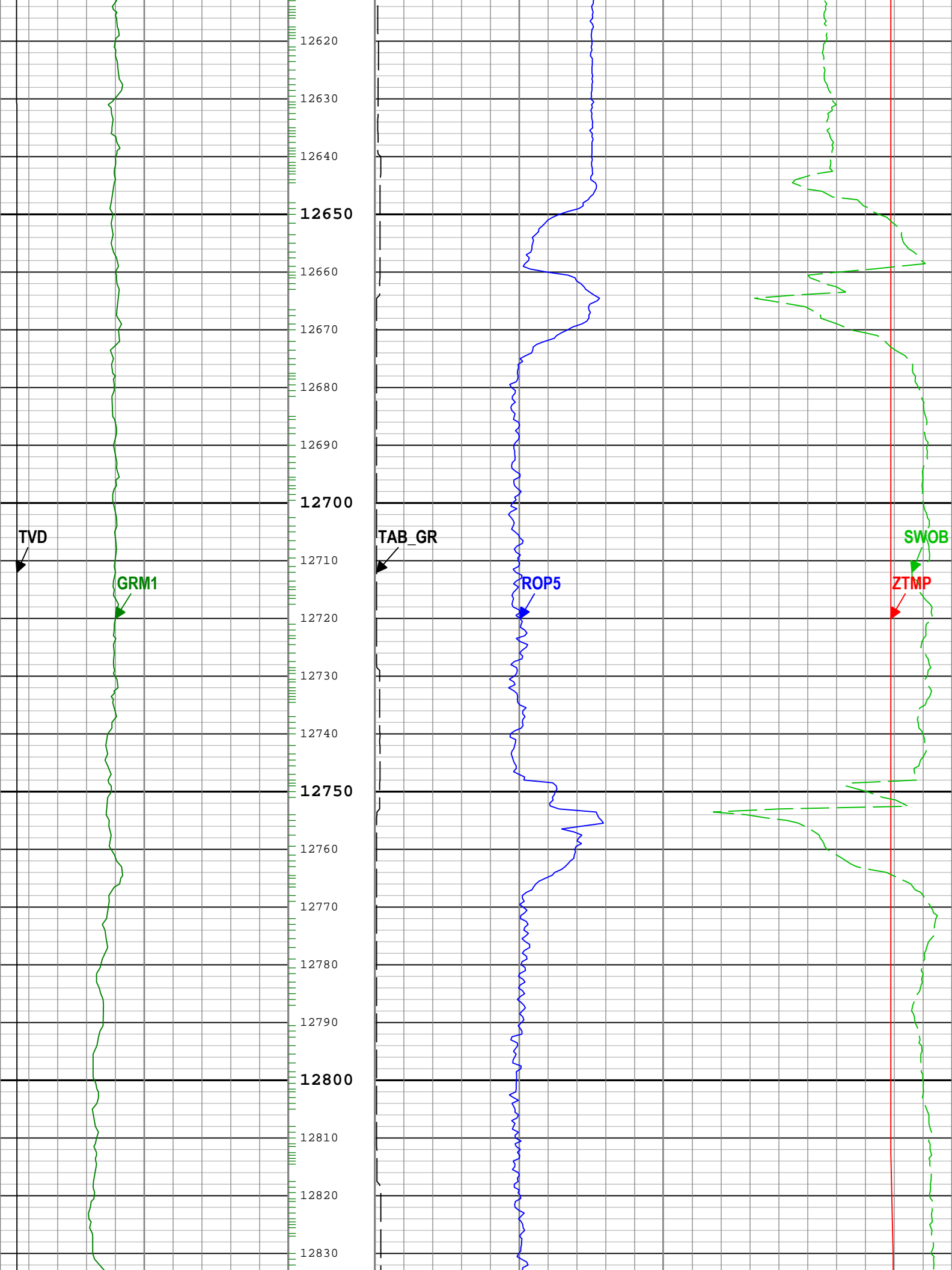


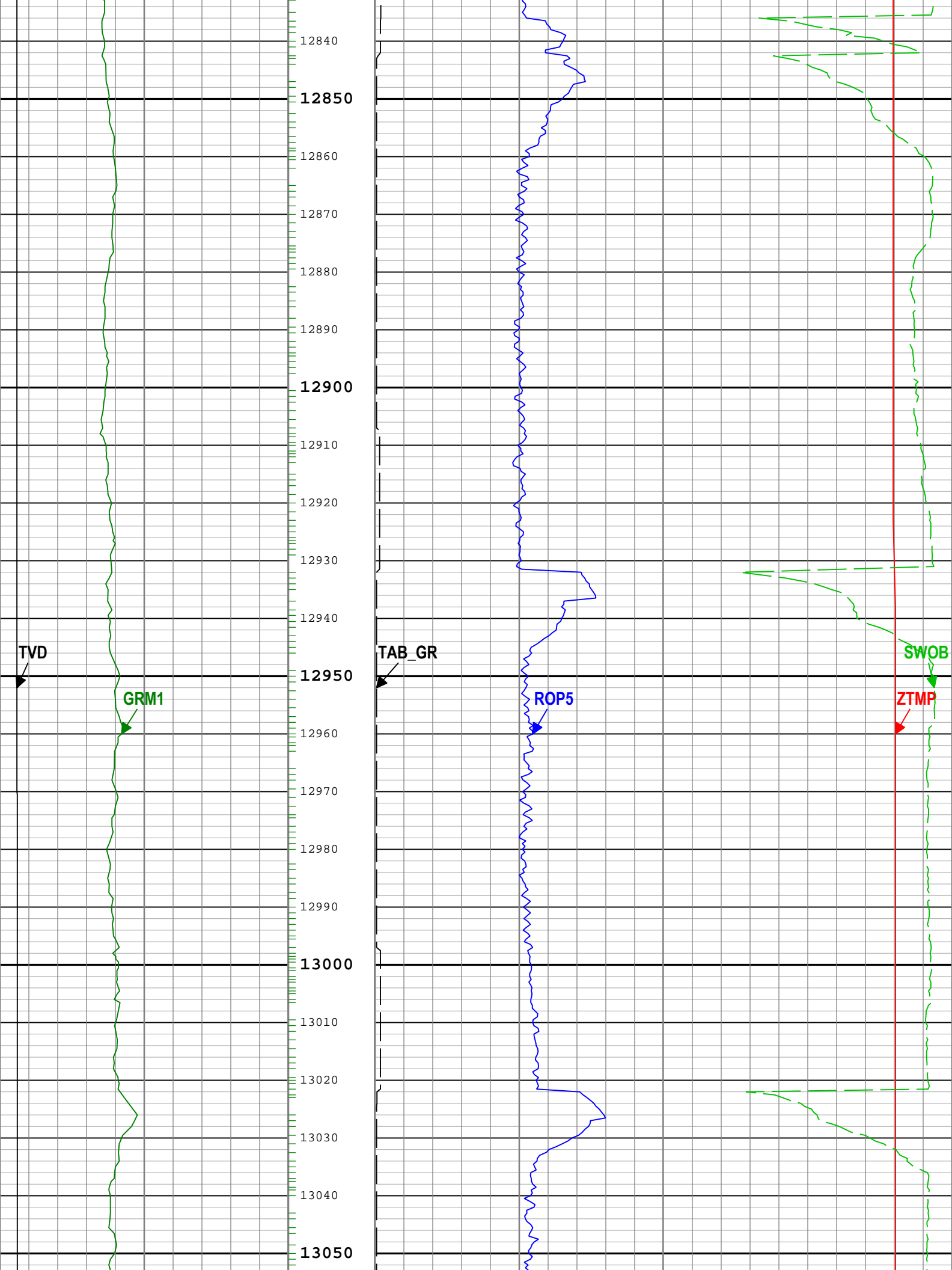


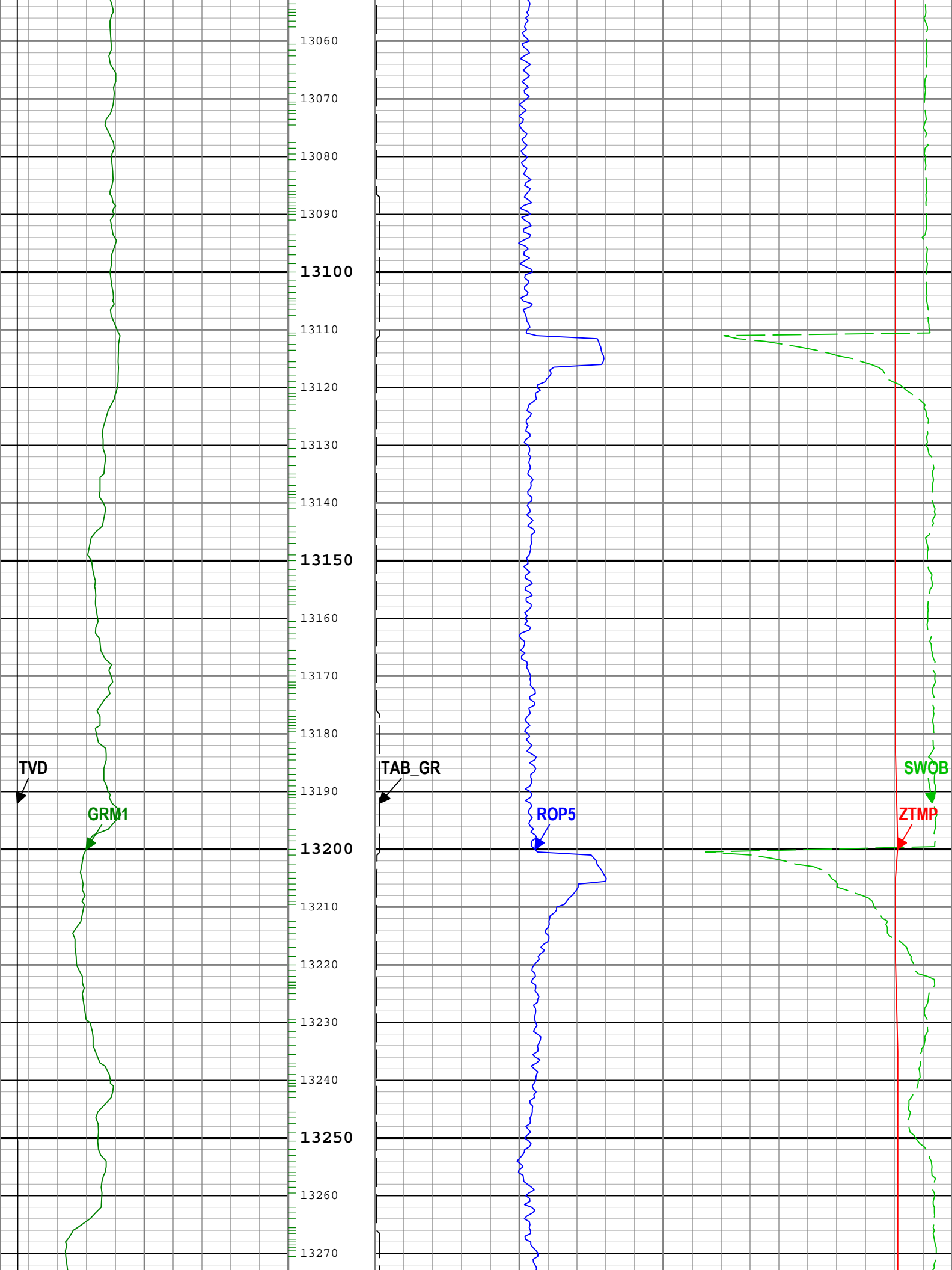


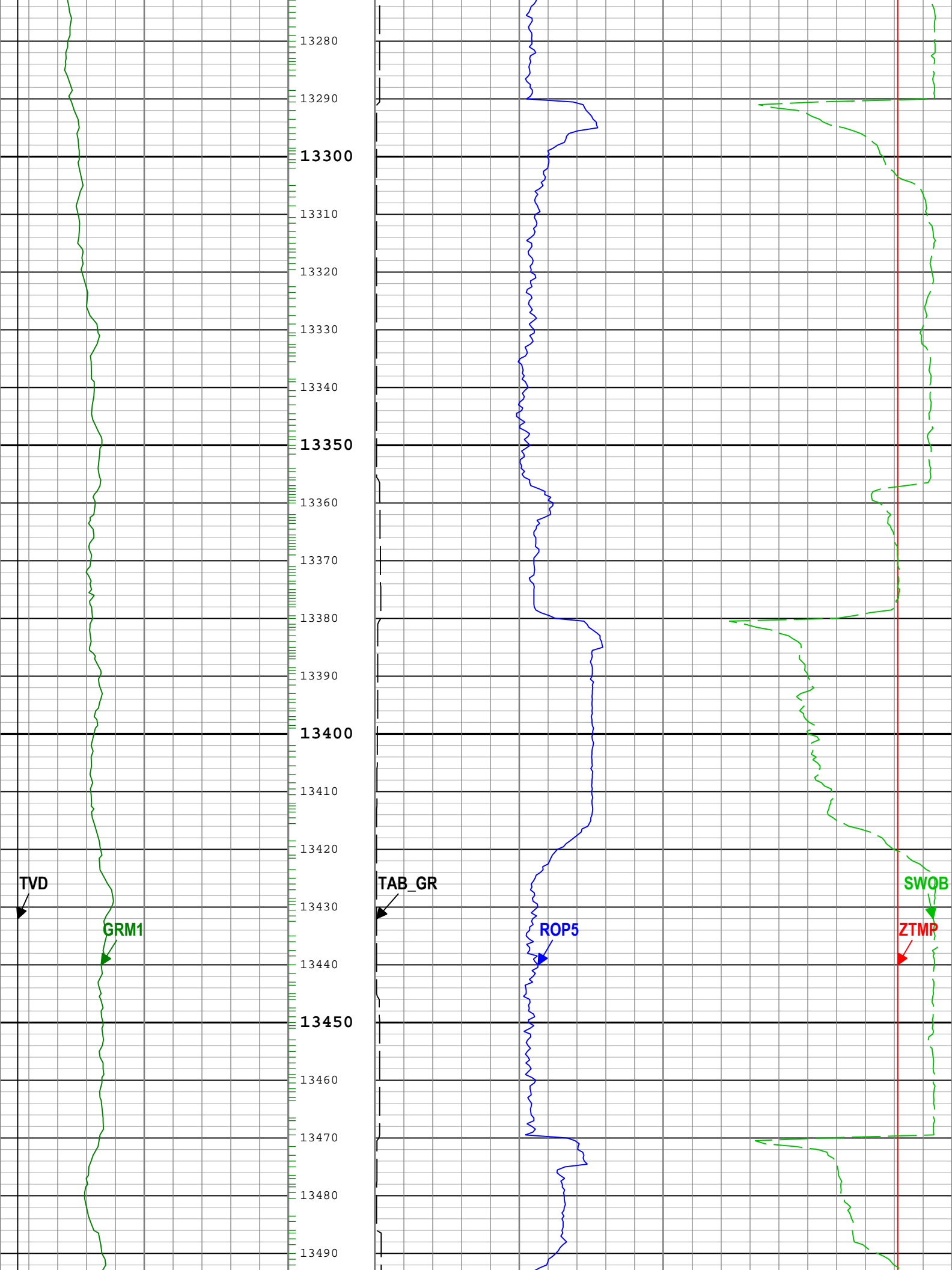


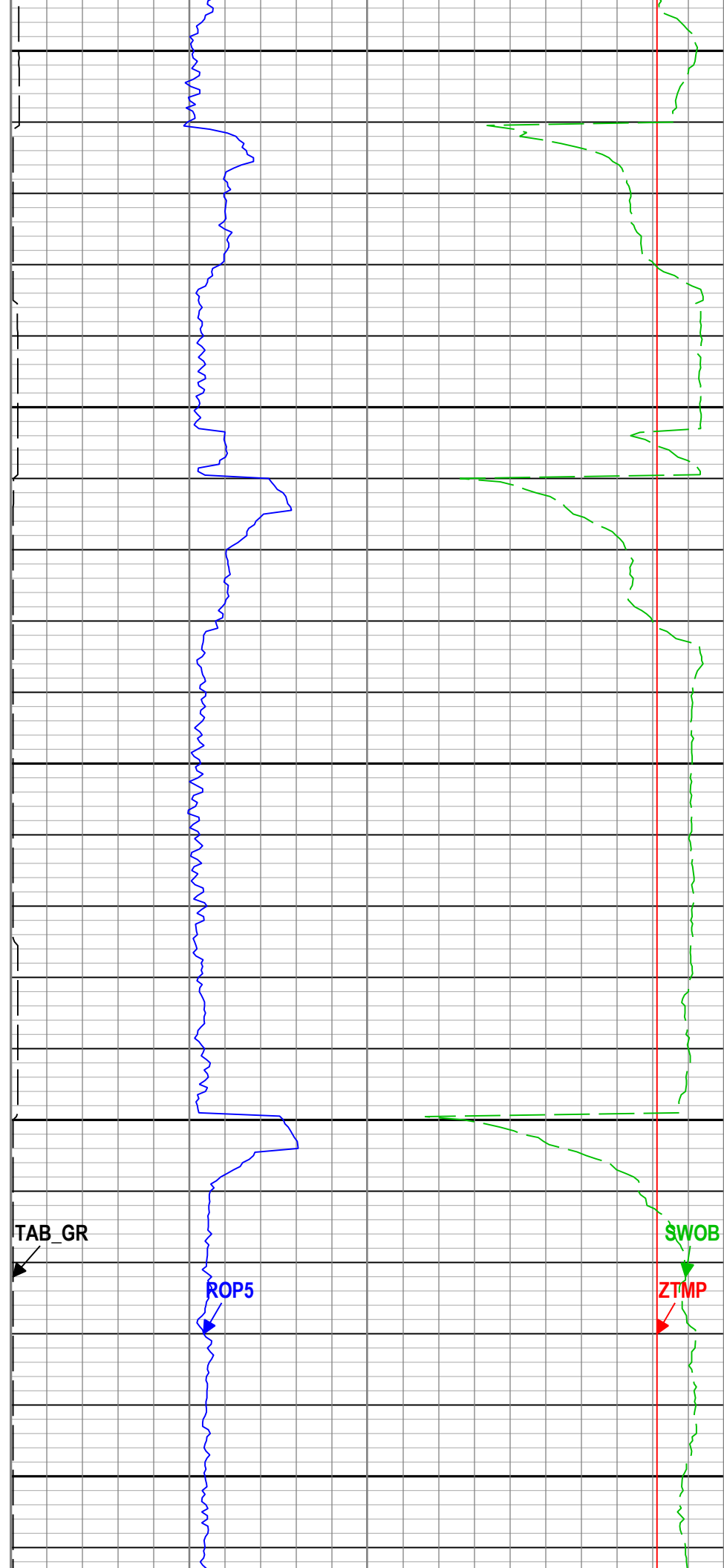
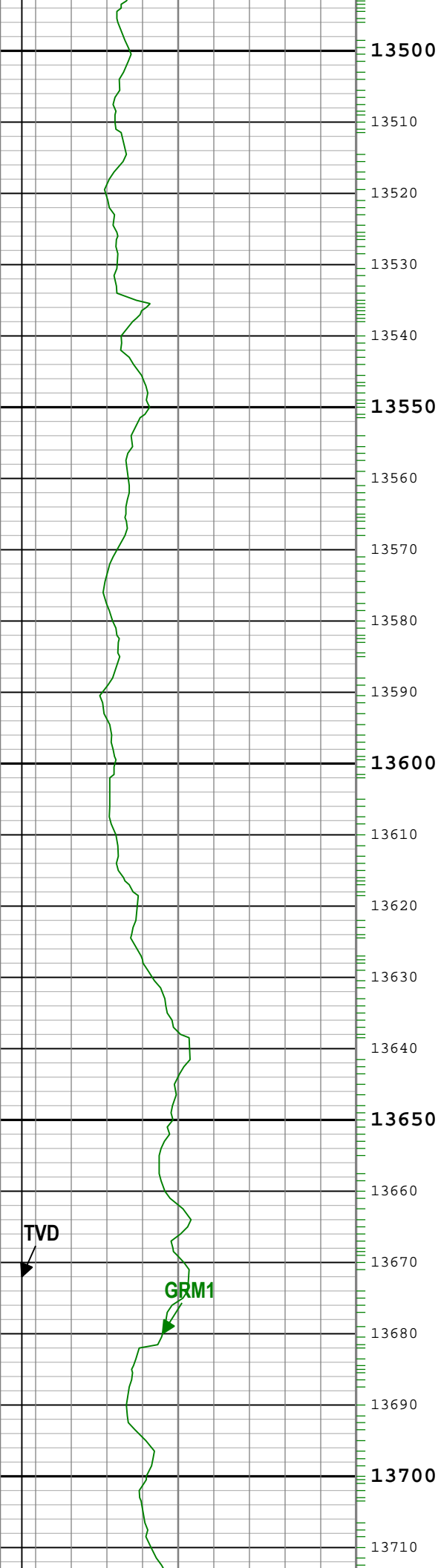


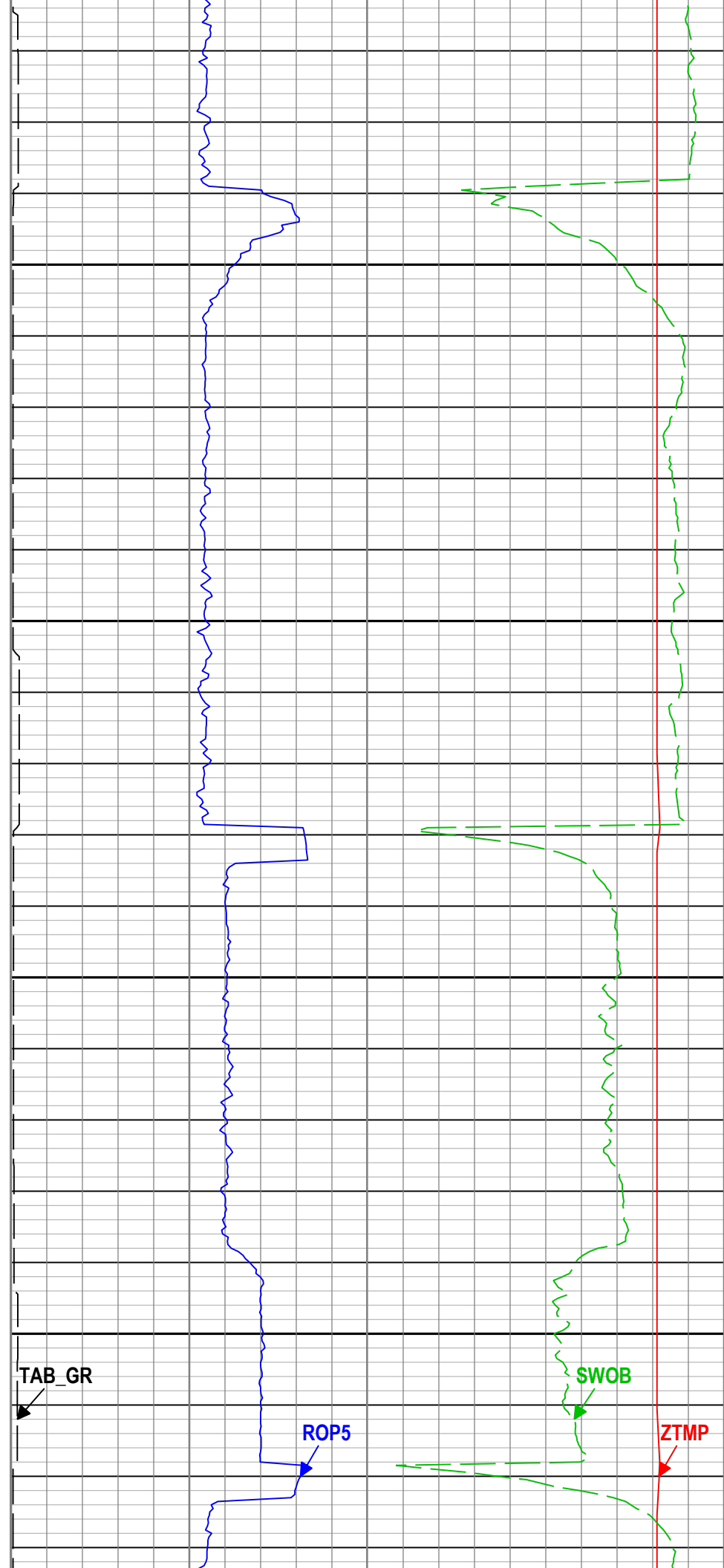
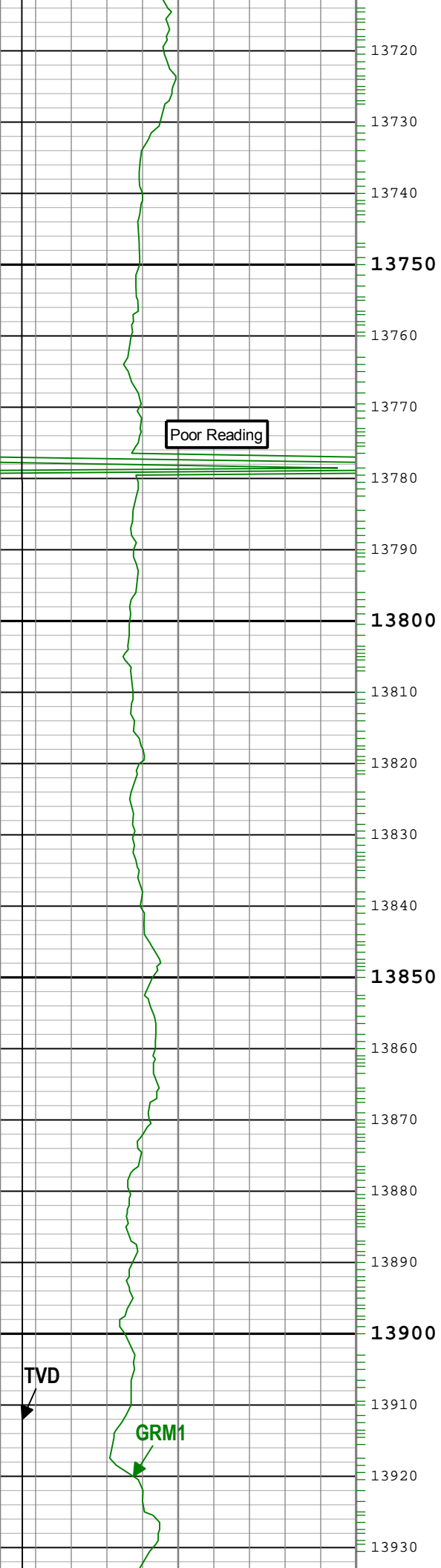


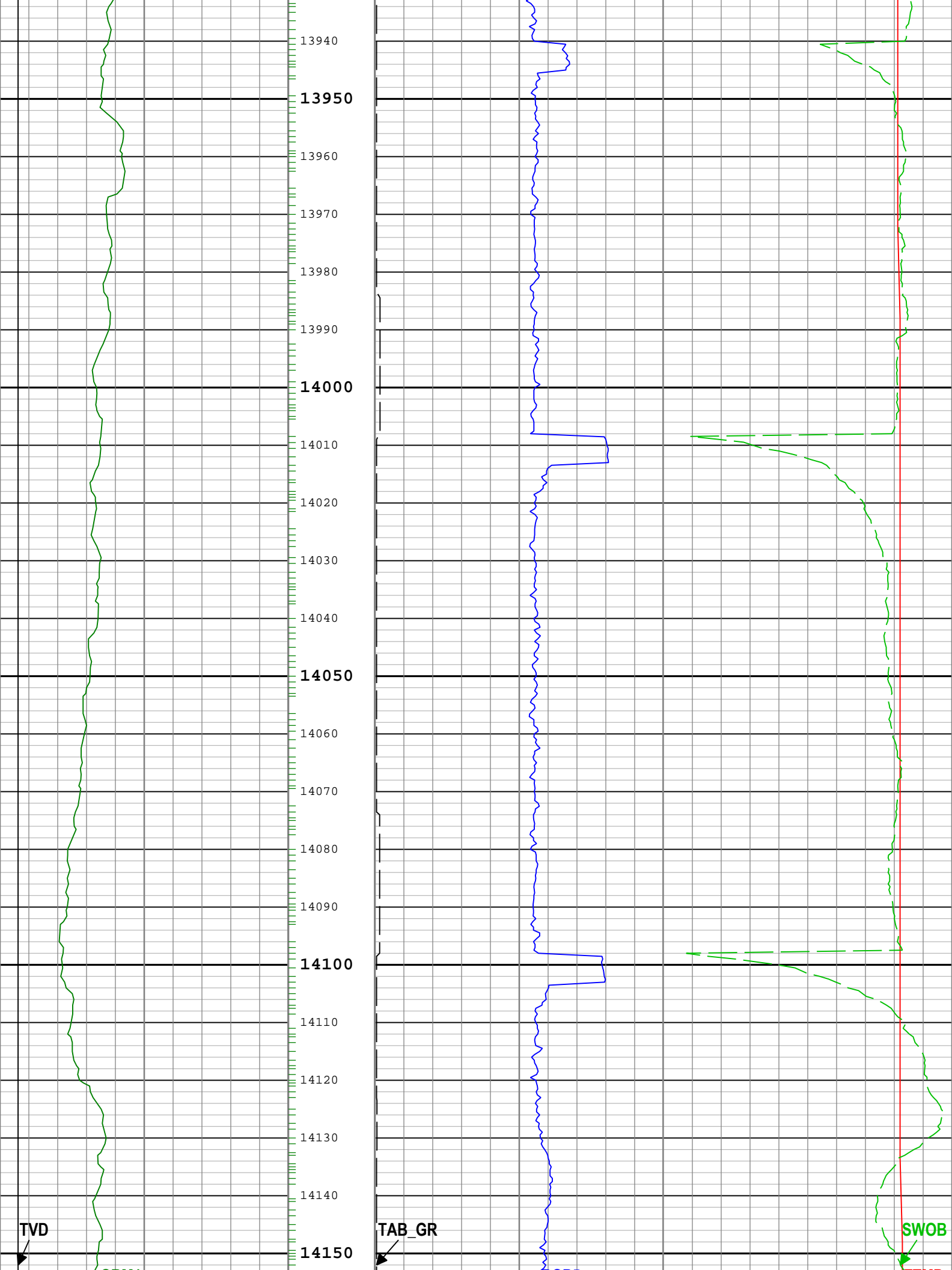


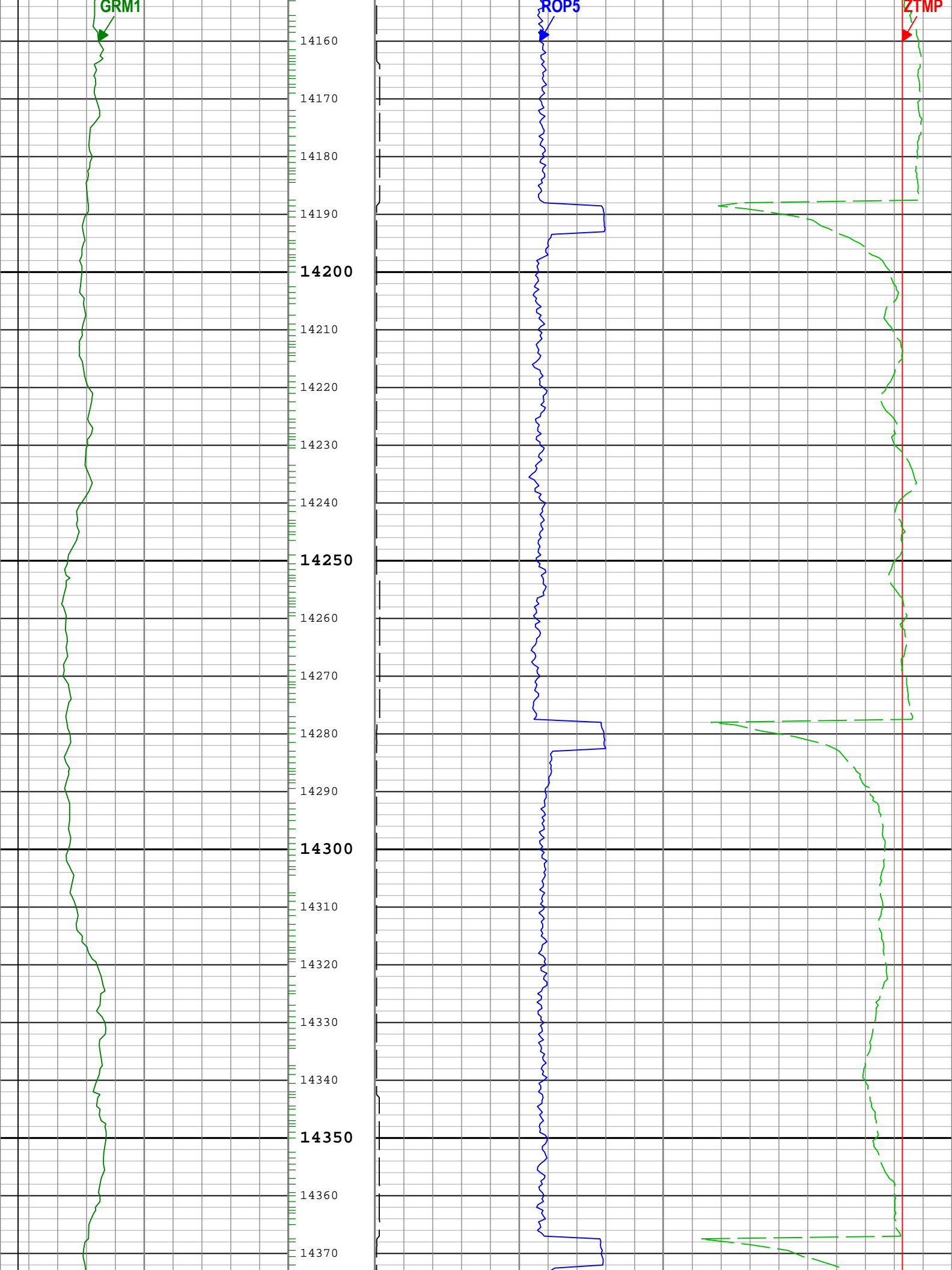


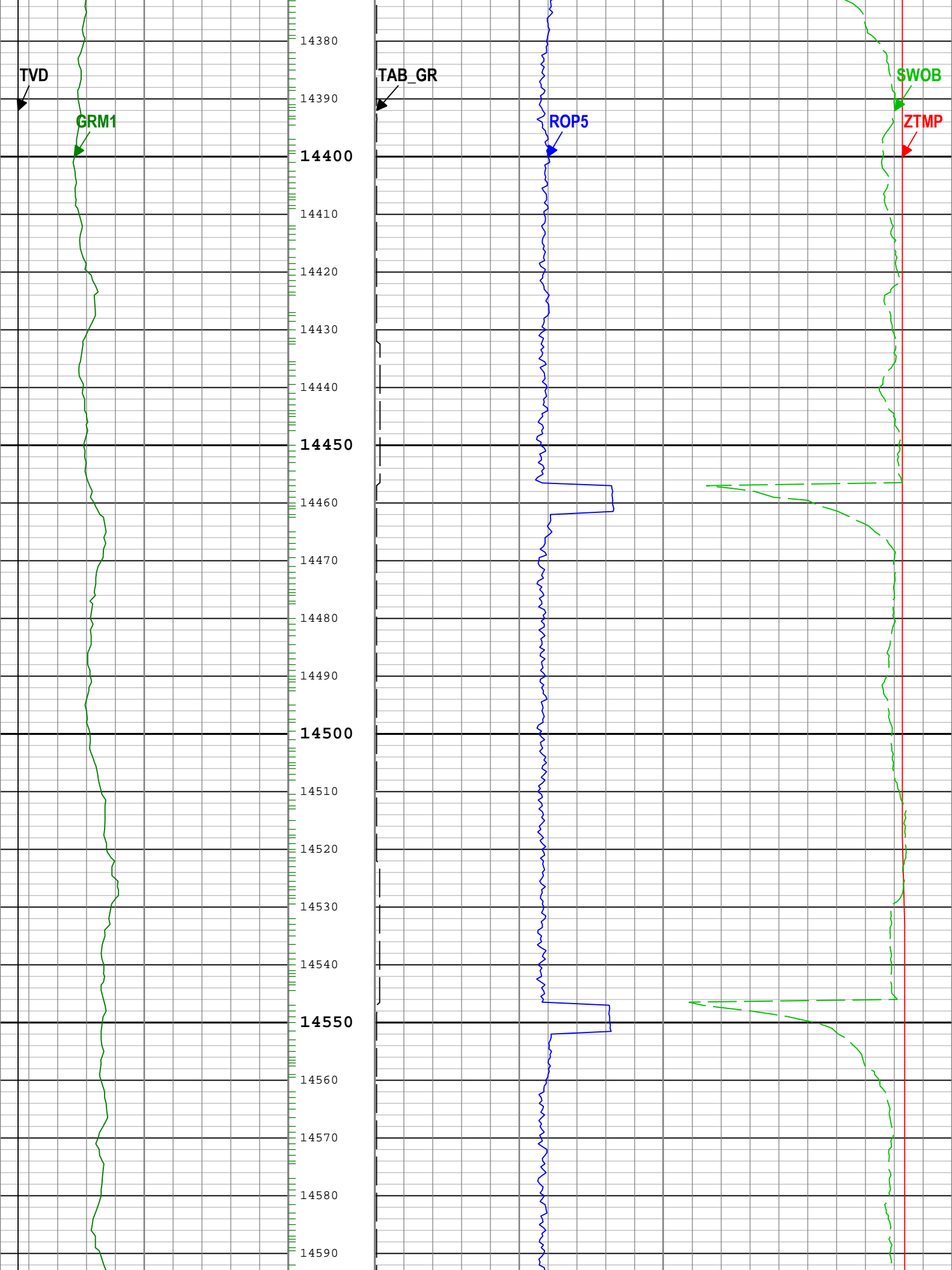


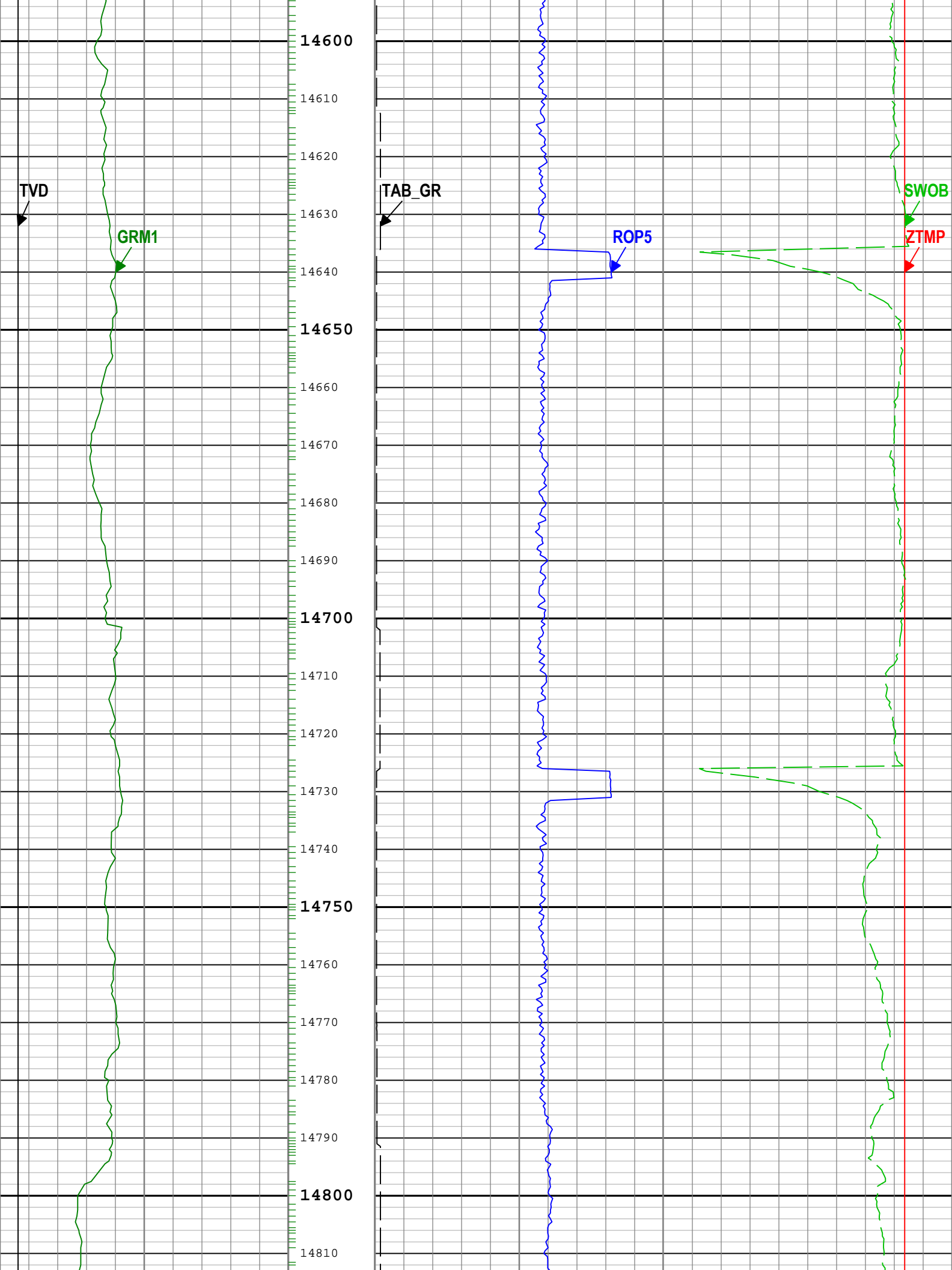


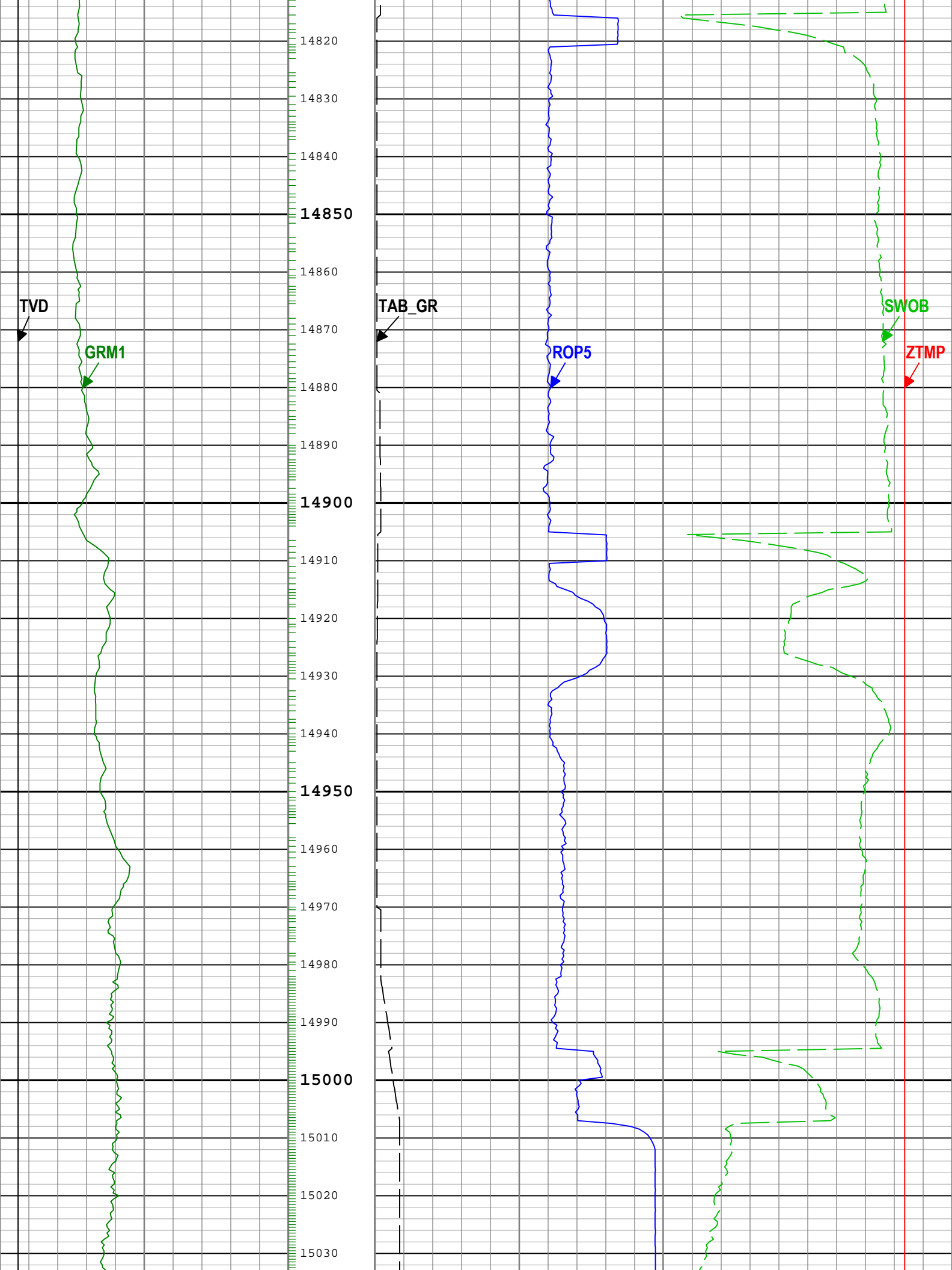


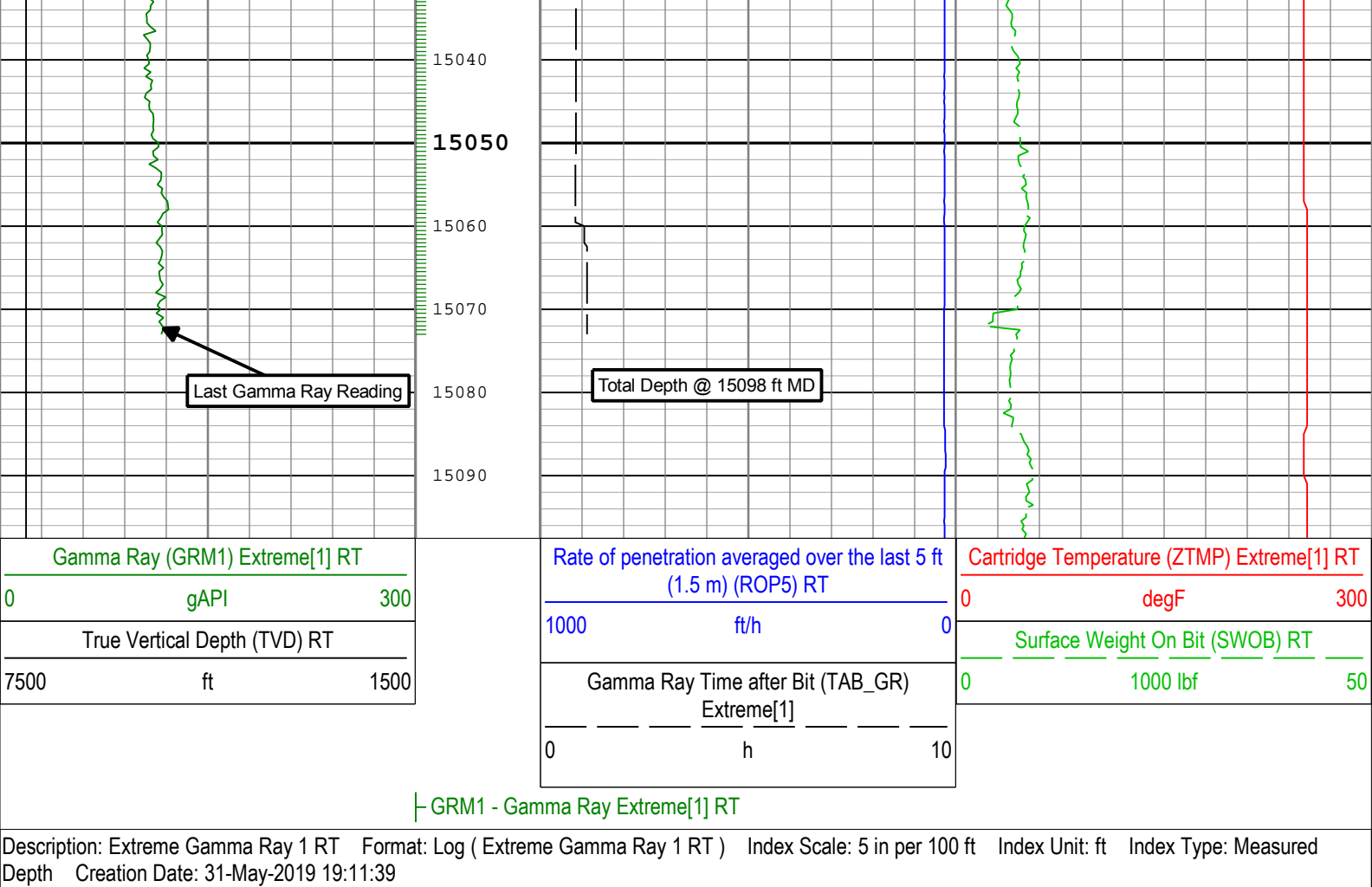












Channel Processing Parameters

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	10	lbm/gal

Run001Depth Zoned Parameters

Parameter	Value	Start (ft)	Stop (ft)
BS	12.25	1793.5	1808
BS	8.5	1808	2098.17

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	9.7	lbm/gal

Tool Control 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

Company:	SRC Energy
Well:	Golden Eagle 28N-1B-M
Field:	Wattenberg
County:	Weld County



State:

Country:

Colorado

United State of America



Schlumberger

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