

Schlumberger

Company: ESSO Australia Pty. Ltd.

WALL

Bream A Well: Field:

Rig: ISDL 453

State: Victoria

Gamma Ray Service
1:300 Measured Depth

1.200 Measured Depth

Rig:	ISDL 453				
Field:	Bream A				
Location:	Bass Strait				
Well:	BMA A23A				
Company:	ESSO Australia Pty. Ltd.				
Real Time Log					
Total depth:	3302.0 m		Elevation	K.B. G.L.	Top Drive
Spud date:	7-July-2005			-59.40 m	
Runs:	3	To 3		D.F.	32.82 m
Location					
Permanent datum:	Mean Sea Level		Elev.:	0 m	
Log measured from:	Drill Floor			32.82 m above Perm. datum	
Depth reference:	Driller's Depth				
API serial no.	Y = 5738457.45 m X = 567344.61 m		Longitude	Latitude	
Depth logged:	2241.0 m	To 3282.6 m	E147°46'20.319"	S38°29'58.915"	
Date logged:	9-July-05	To 11-July-05	Mag decl:	13.10°	Other services:
			Mag dip:	-69.03°	Directional Drilling, D&I

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 OF 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.

<p style="text-align: center;">DISCLAIMER</p> <p>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 OF 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.</p>		
OTHER SERVICES FOR RUN3 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
<p>REMARKS: RUN NUMBER 3 8-1/2 in. hole was drilled from 2248.0 m to 3302.0 m MD</p> <p>Depth is referenced to Driller's Depth.</p> <p>Gamma Ray corrected for Tool size, Bit Size and Mud Weight.</p> <p>Mud Type IS KCl/PHPA/Glycol.</p> <p>POOH due to TD of BMA A23A.</p>	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

Thank You for Choosing Schlumberger

EQUIPMENT DESCRIPTION

RUN3

RUN

RUN

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse*
MDC: Z411
MEC: 212
MDI: 1096
MGR: 521 AA
DHS: V8.0 B96



23.65

D&I
GR

19.33

18.68

6-5/8 in. NM Pony
S/N: ASQ157



15.19

8-3/8 in. NM Roller Reamer
S/N: GU2317



13.64

6-1/4 in. NM Float Sub
S/N: 961205

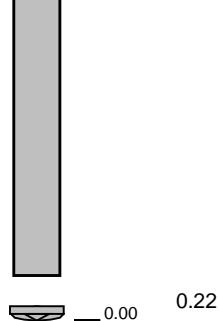


11.65

7 in. PowerPak* Motor
A700GT 7:8
S/N: 3380
1.5 deg. Bent Housing
8-3/8 in. Motor Sleeve



9.21



Smith PDC Bit
OD: 8-1/2 in.
S73VPX S/N: JT6967

Maximum string diameter 8.50 in.
All lengths in Meters

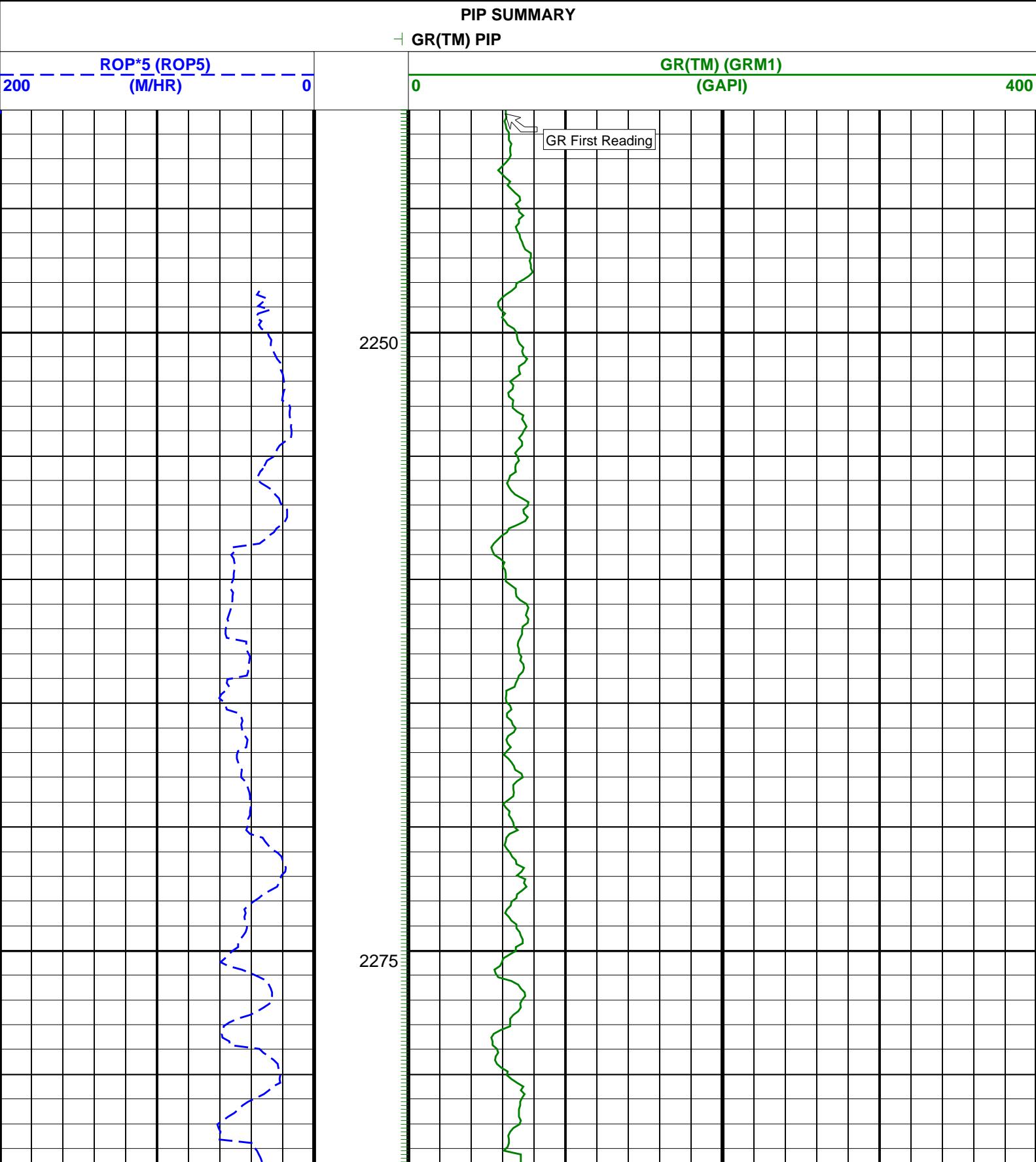
Bit Run Summary

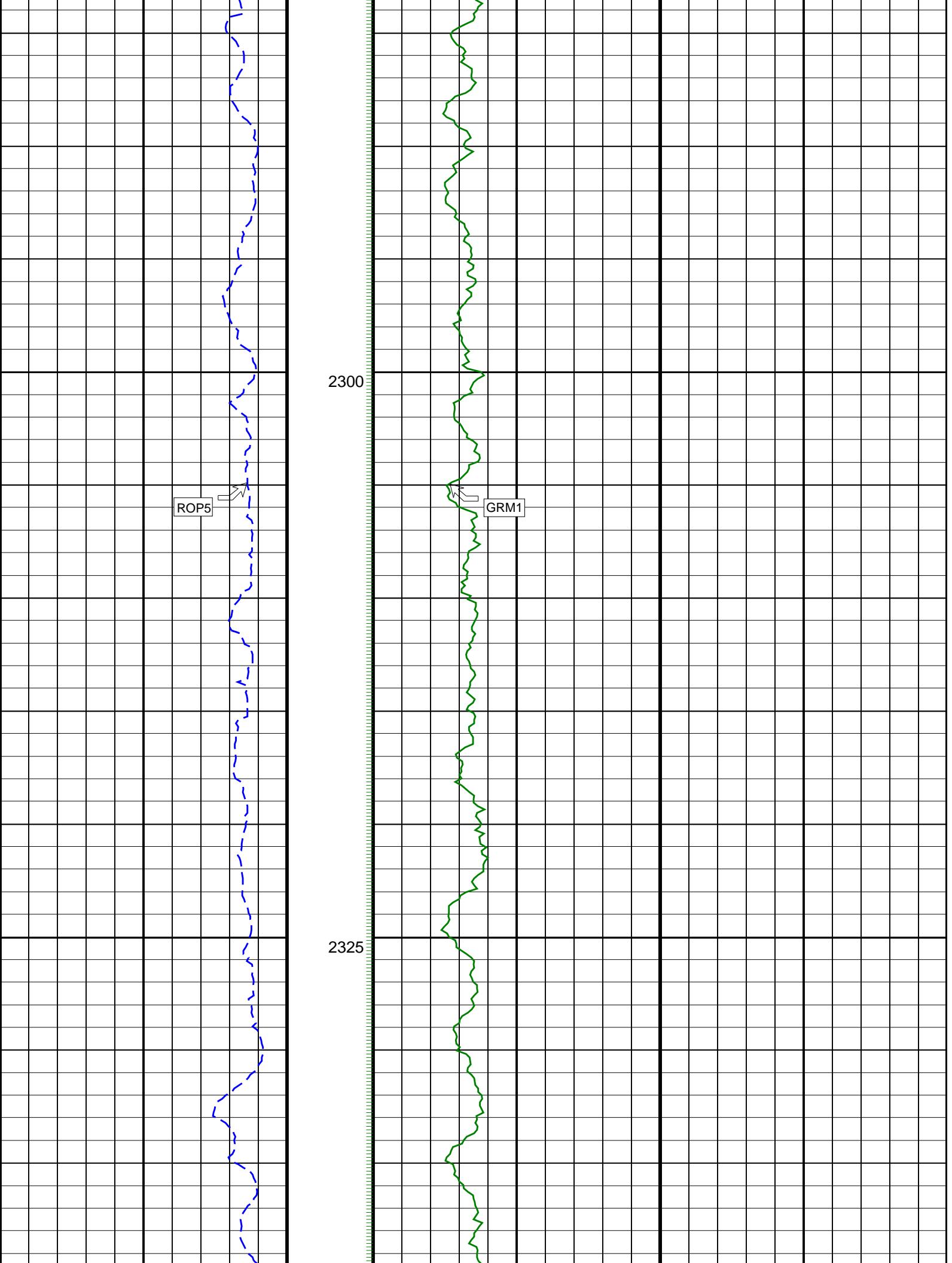
Run number	1								
Bit size	in.	8.5							
Bit start depth	m	2248.0							
Bit end depth	m	3302.0							
Top interval logged	m	2241.0							
Bottom interval logged	m	3282.6							
Begin log: time		10:10							
Begin log: date		09-Jul-05							
End log: time		18:23							
End log: date		11-Jul-05							
Mud data									
Depth	m	3302.0							
Type		KCl/PHPA/Gly.							
Mud weight	ppg	9.95							
Solids	%	7.4							
Chlorides	mg/L	46,500							
Rm		N/A							
Rmf		N/A							
Rmc		N/A							
Potassium	%	4.2							
Environmental data									
GR									
Mud weight	ppg	9.95							
Bit size	in.	8.5							
Resistivity									
Neutron porosity									
Hole Size		N/A							
Mud weight		N/A							
Temperature		N/A							
Mud salinity		N/A							
Formation salinity		N/A							
Recording rate 1	SEC	9.47							
Recording rate 2	SEC	N/A							
Filtering GR		3 pt.							
Filtering density		N/A							
Filtering Neutron		N/A							
Company representative	G. Campbell	B. Steel	W. Westman	L. Muskett					
Schlumberger D&M Personnel	R. Borjas	L. Johnston	C. Cocks						

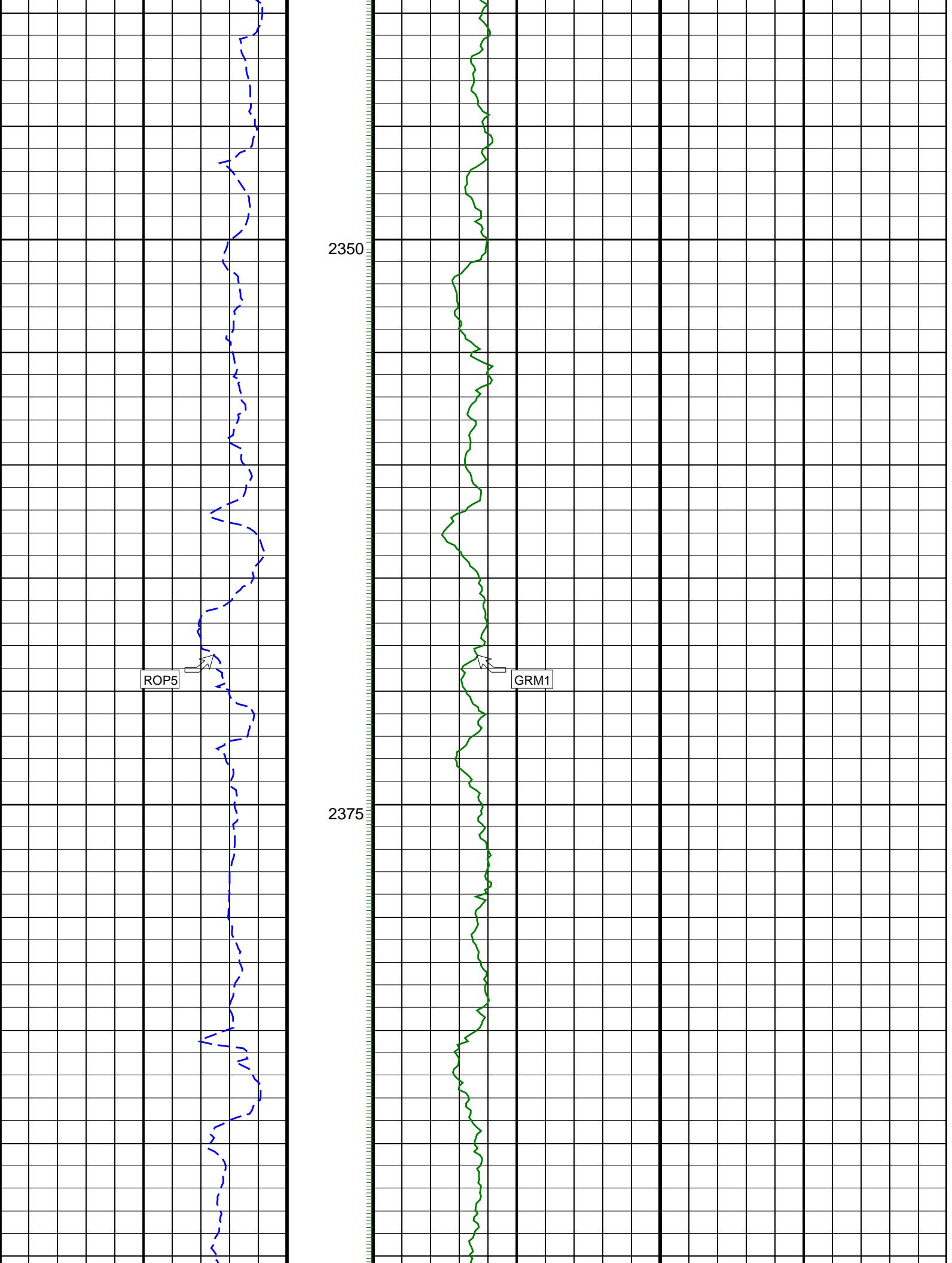
BMA A23A RT 1:200 MD

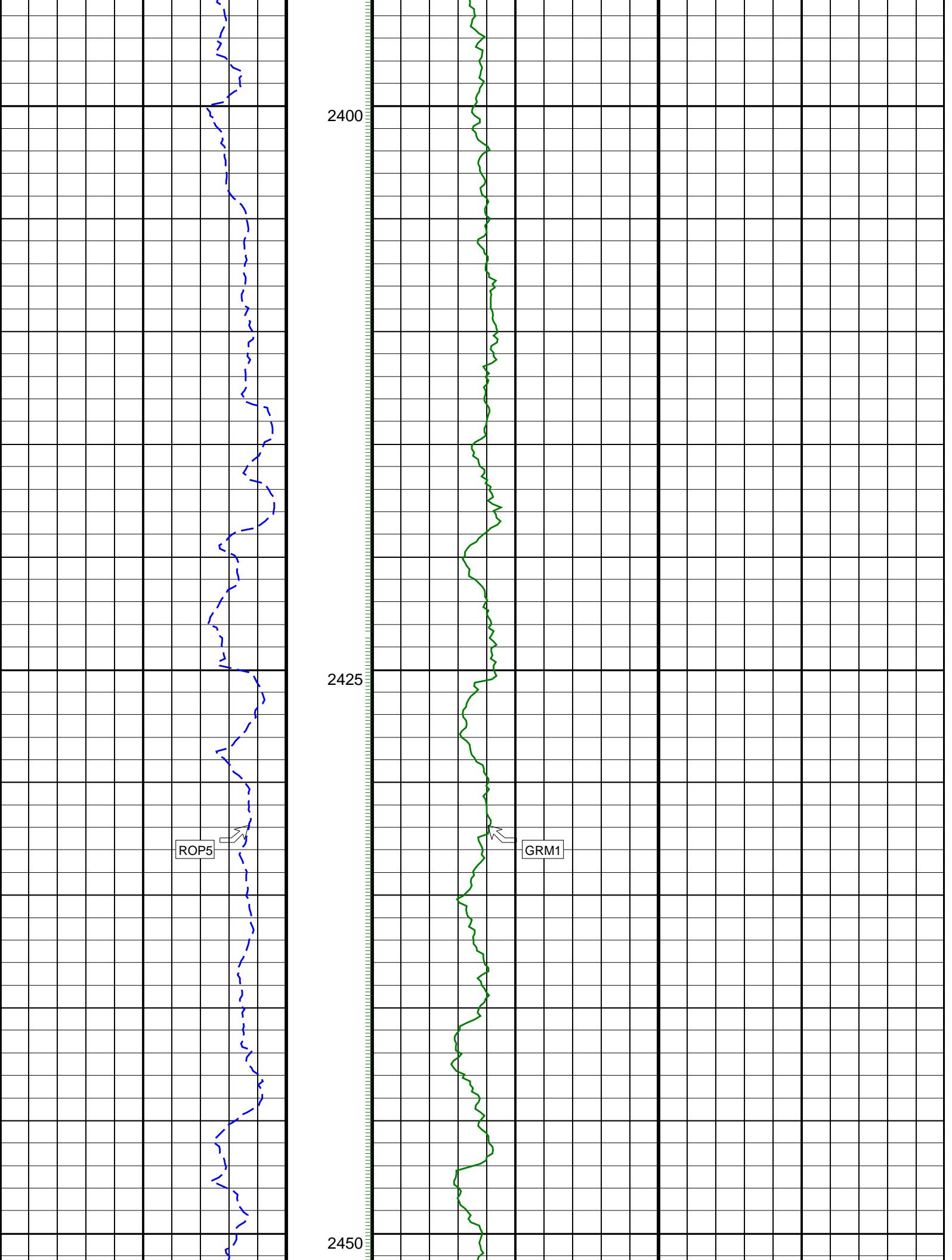
IDEAL Version: ID10_2B_08 <MD> Vertical Scale: 1:200

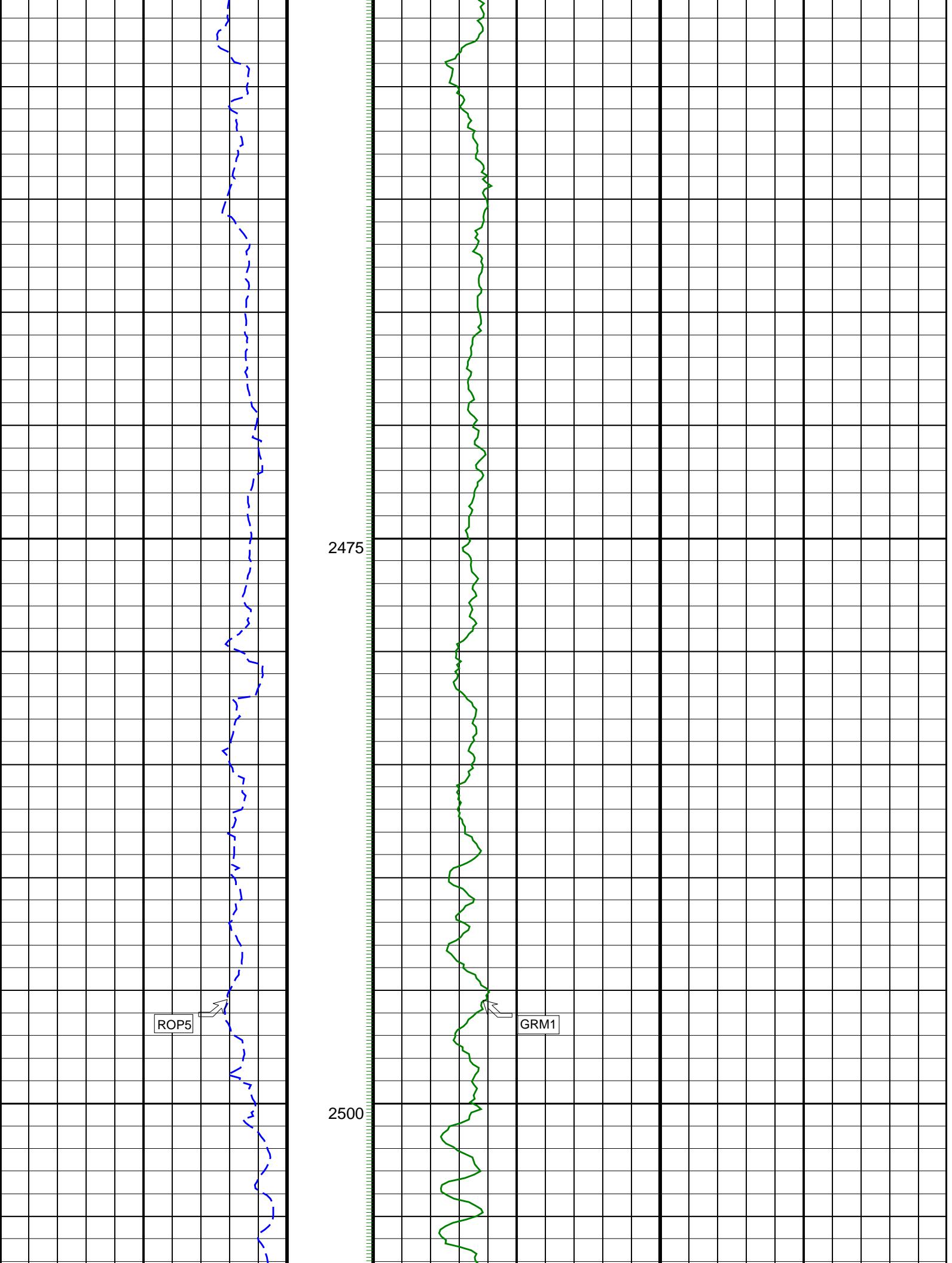
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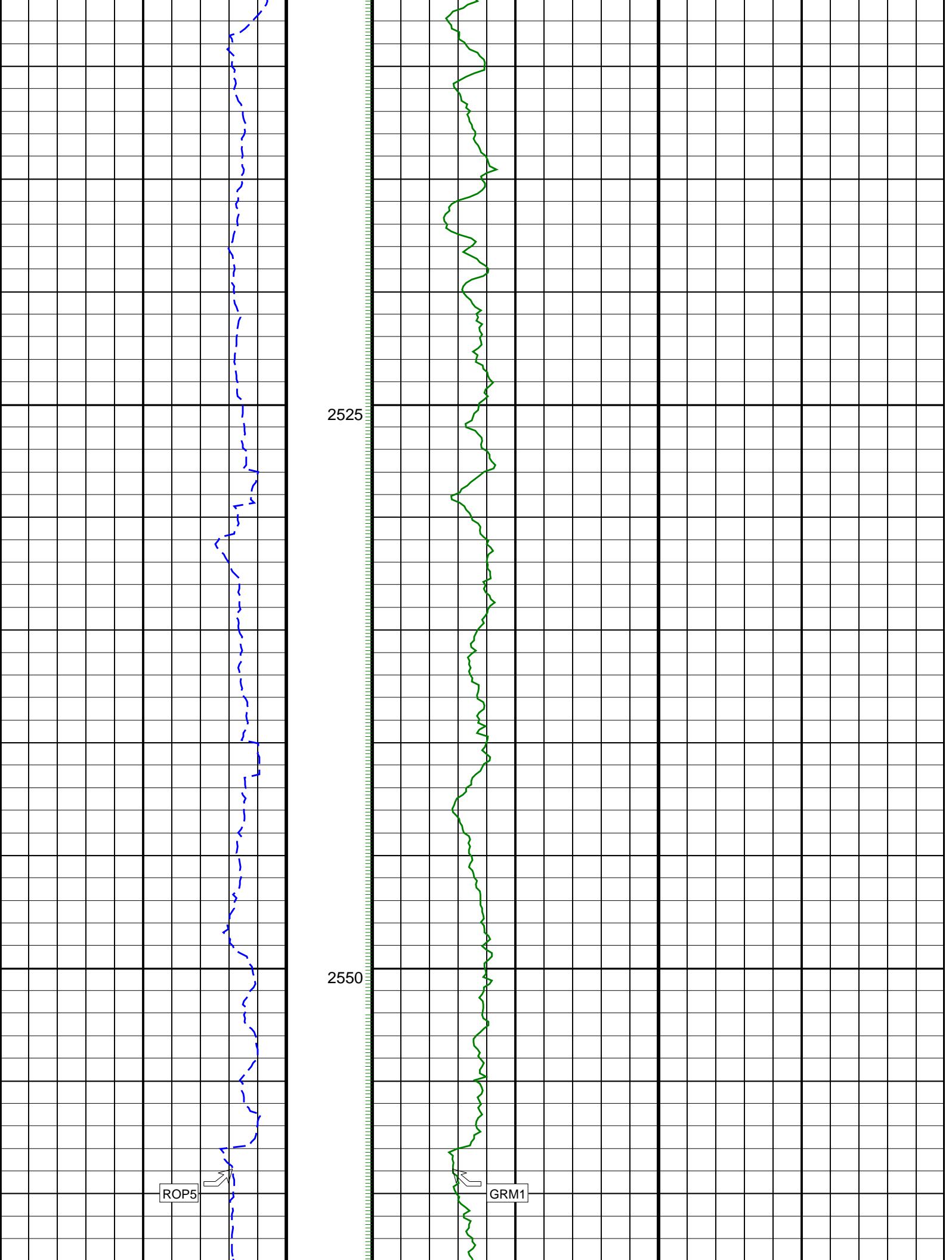


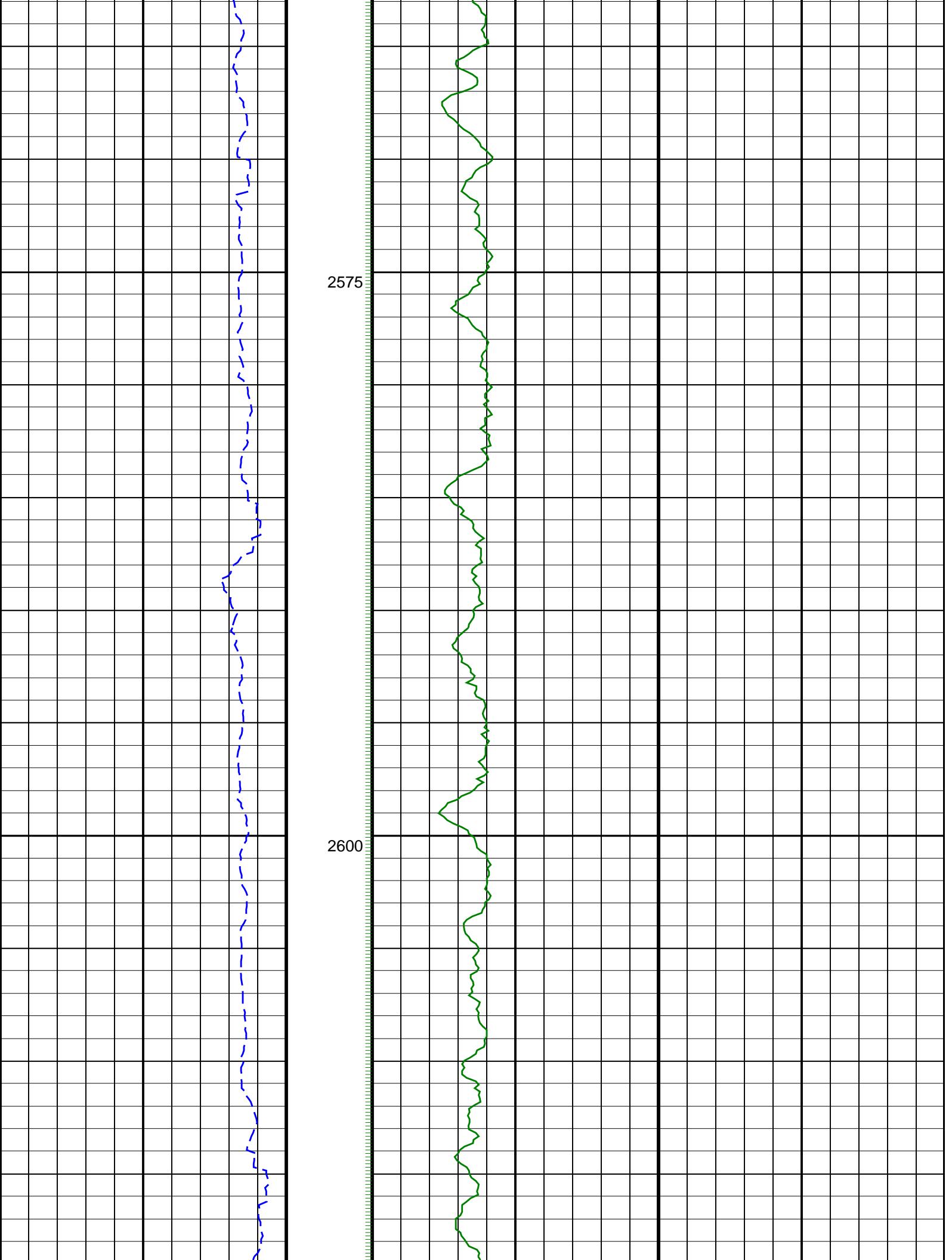


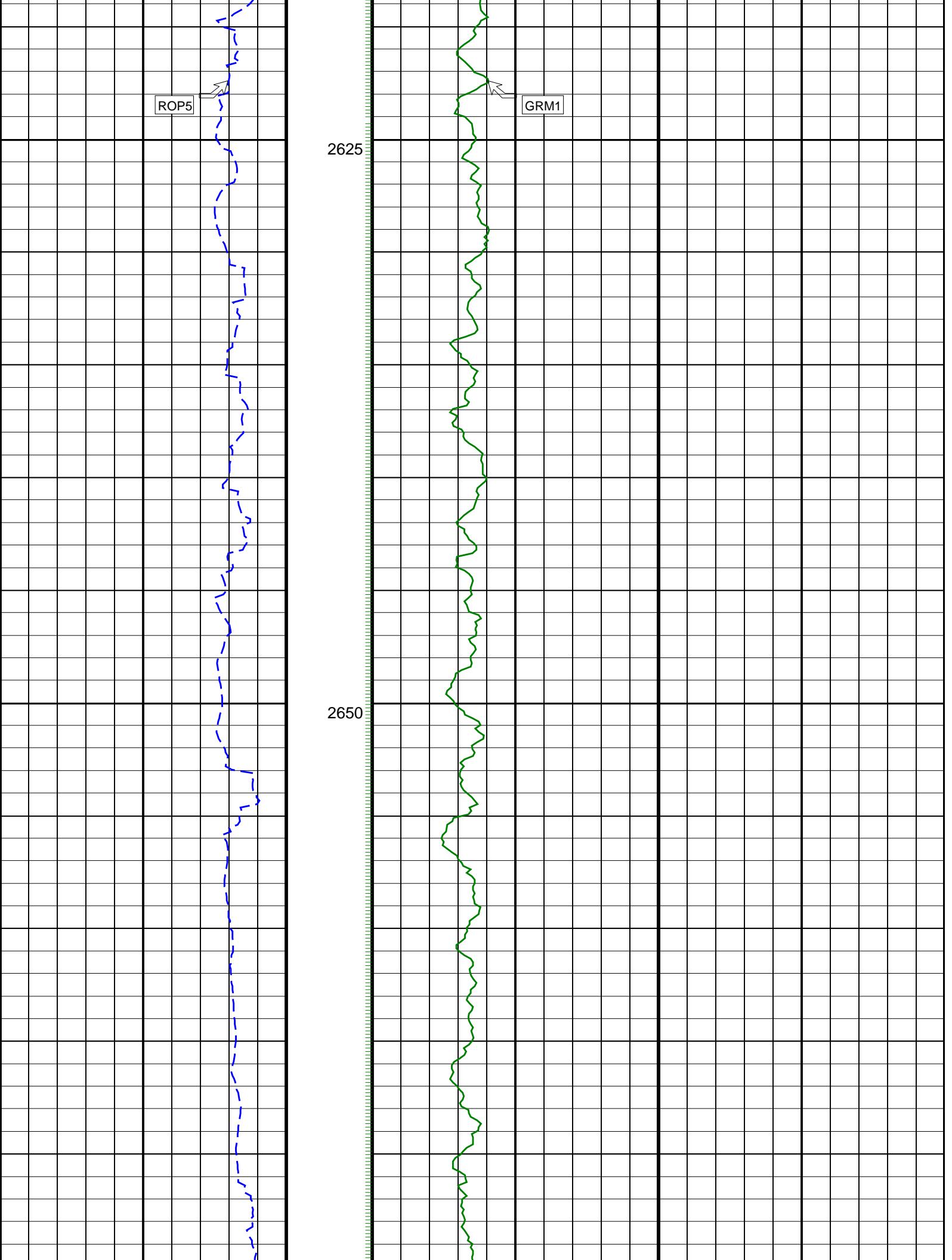


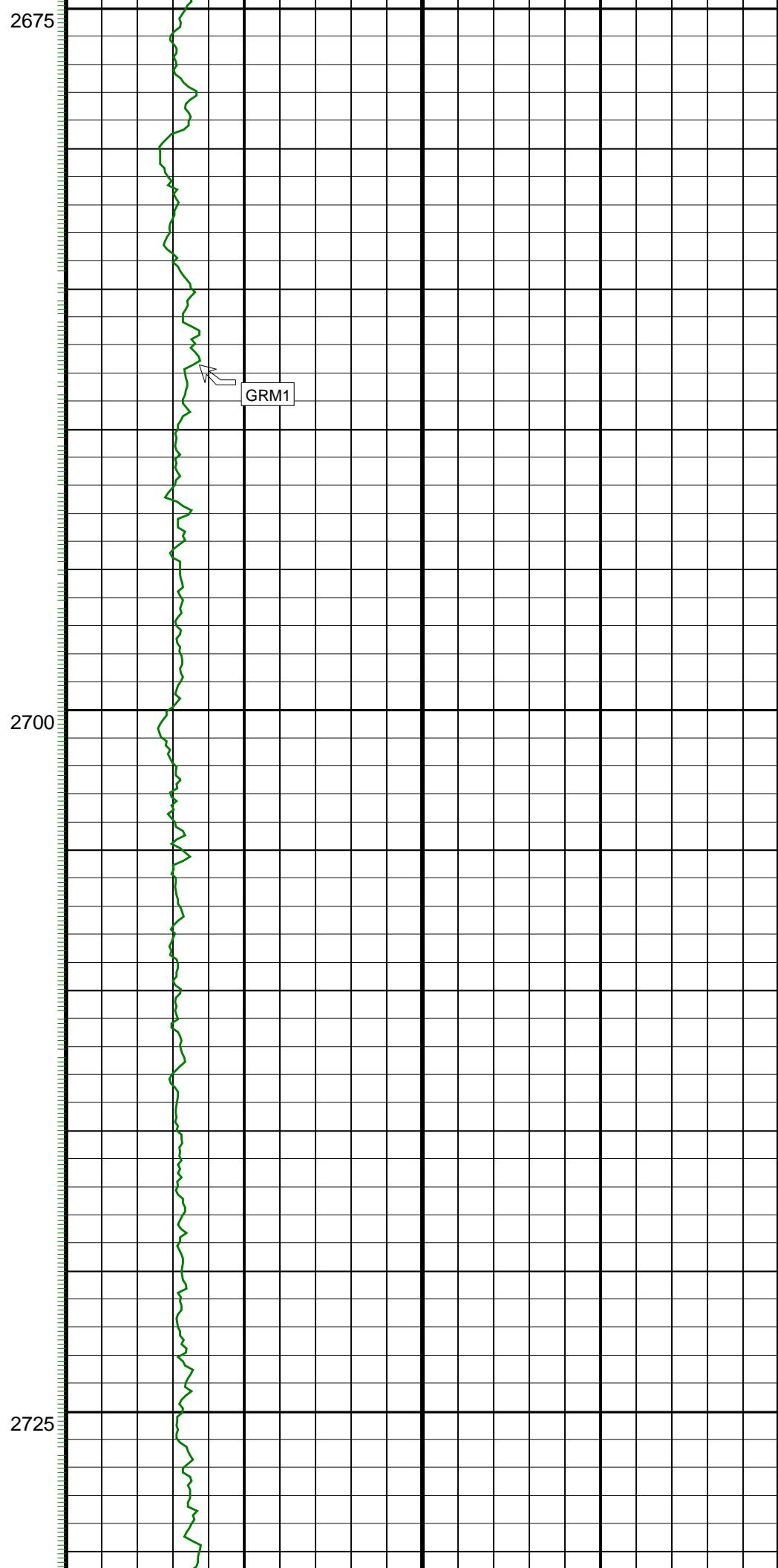
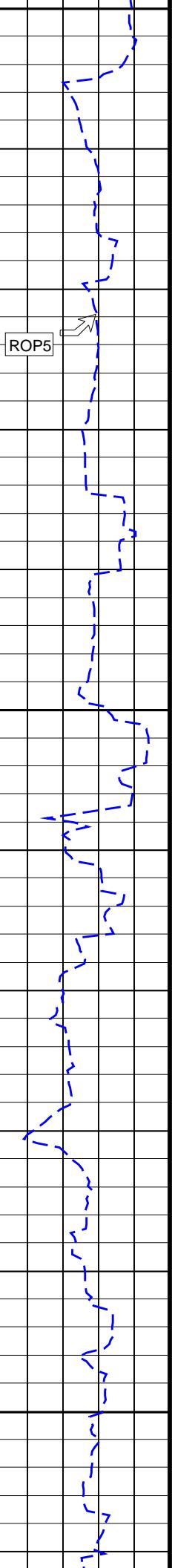


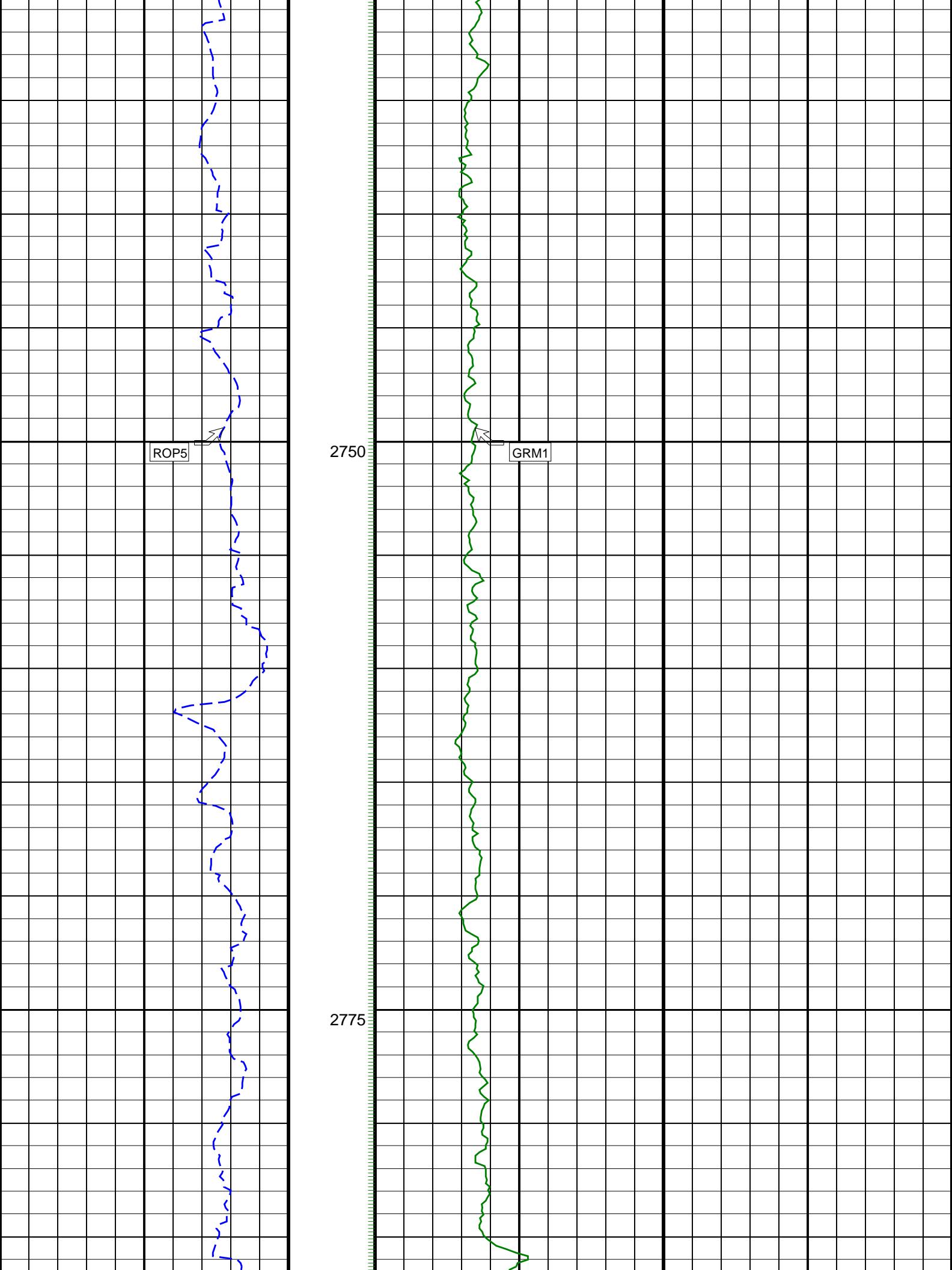


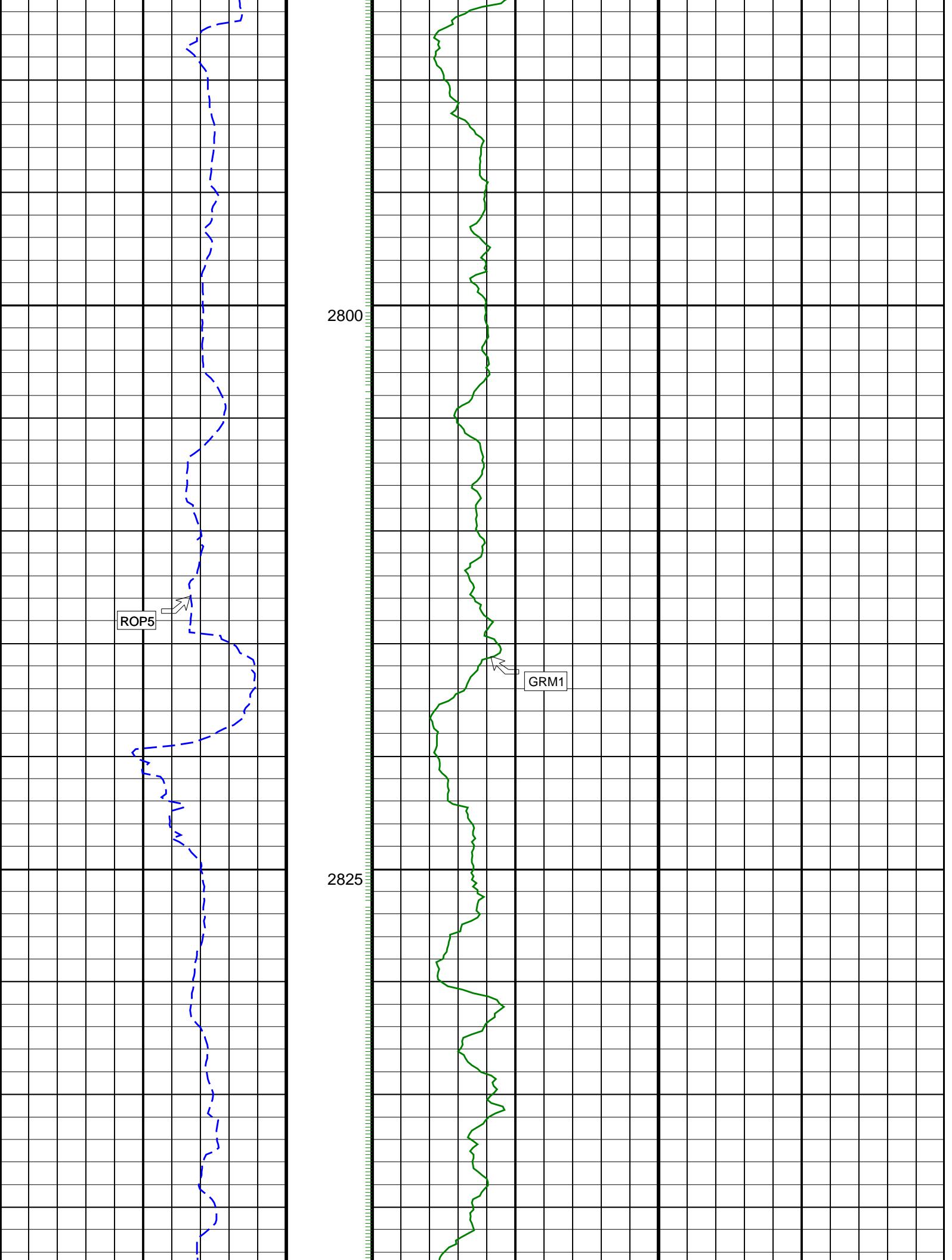


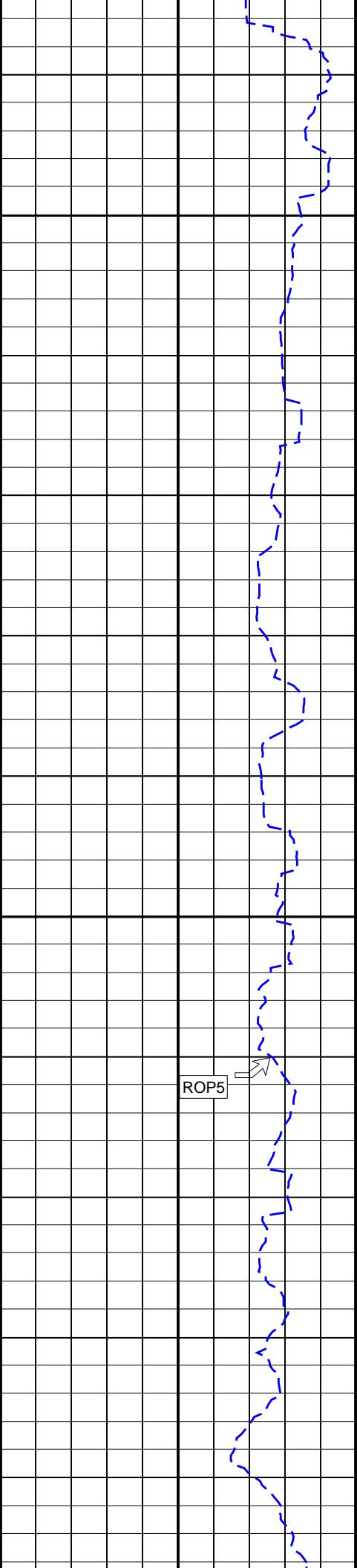




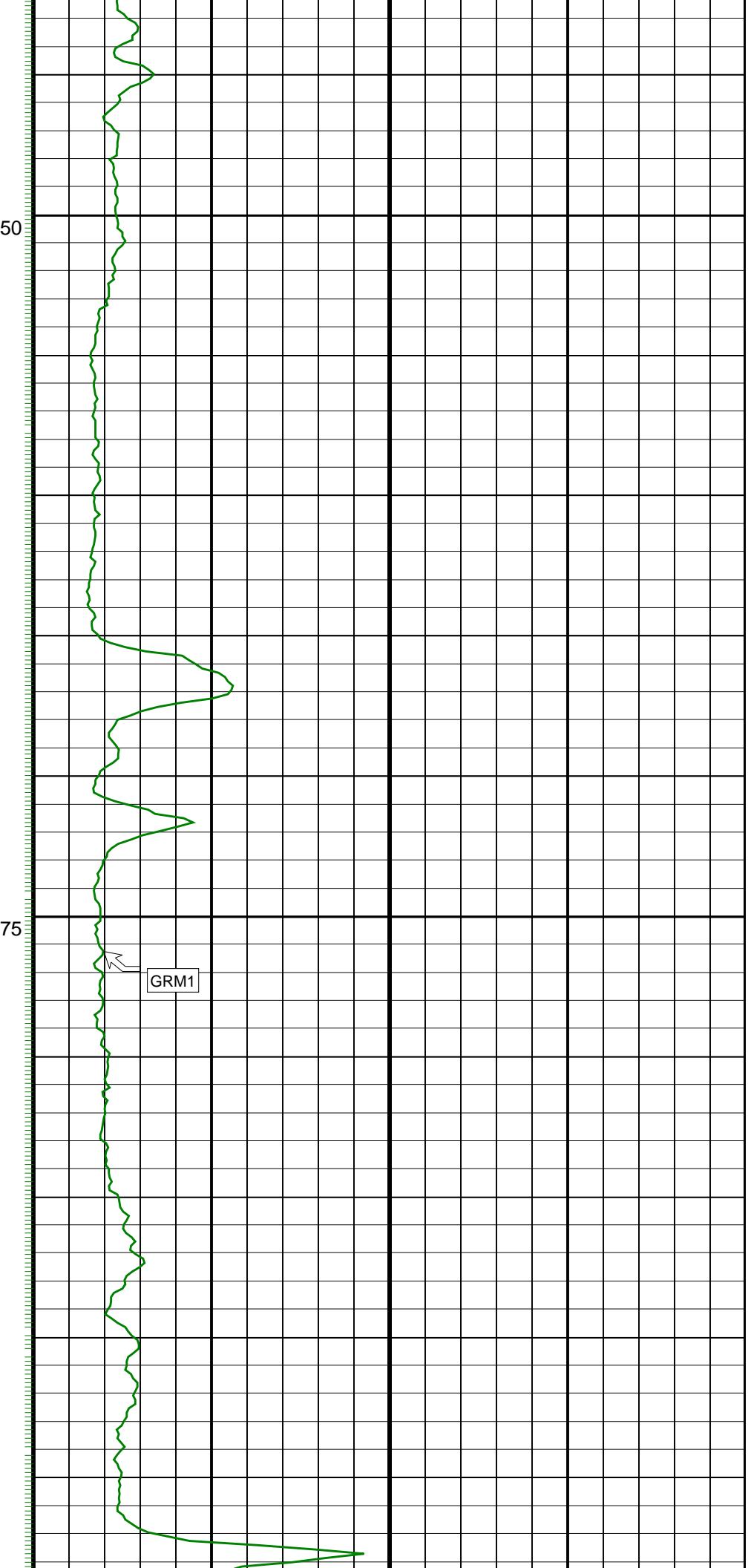




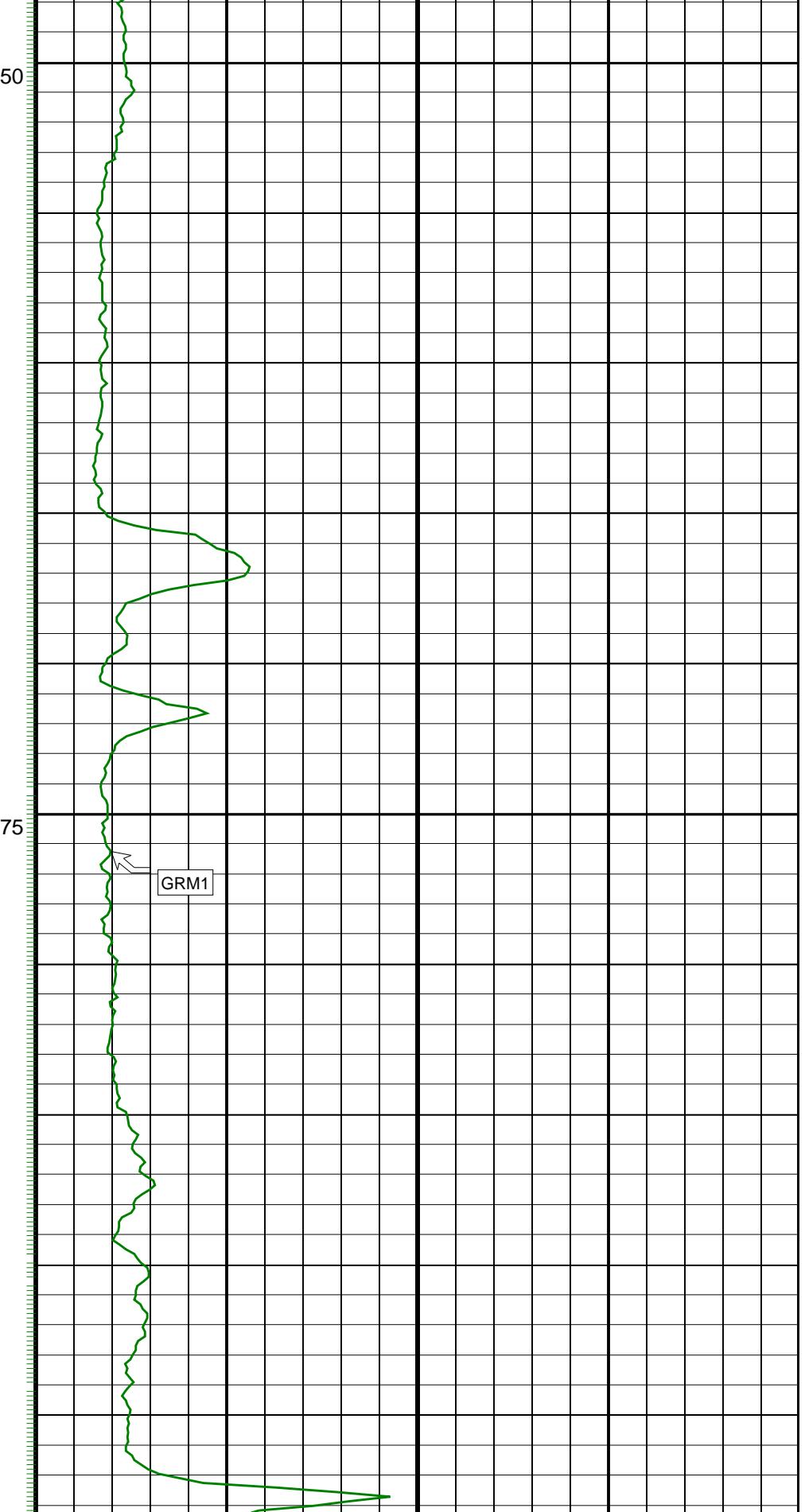




ROP5

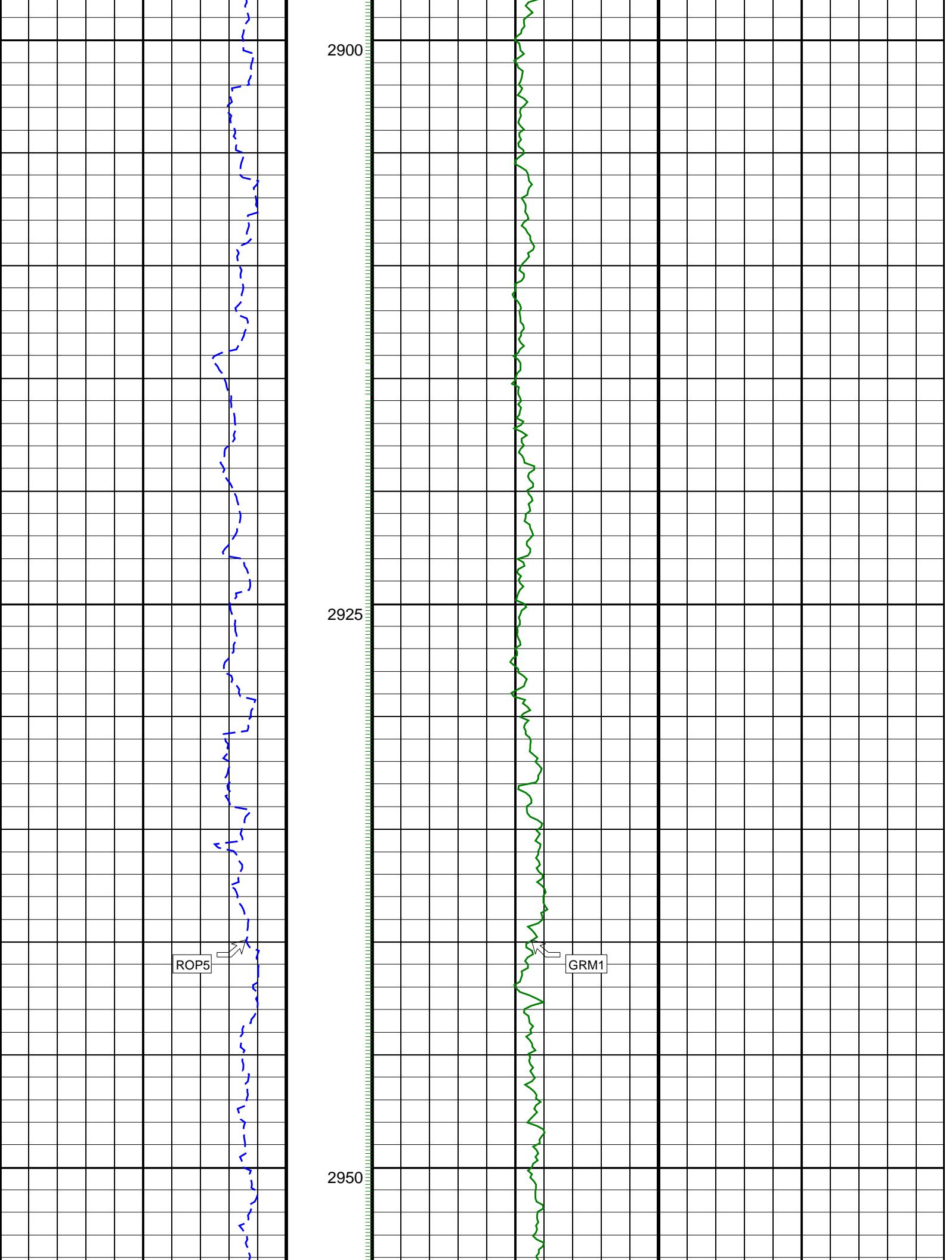


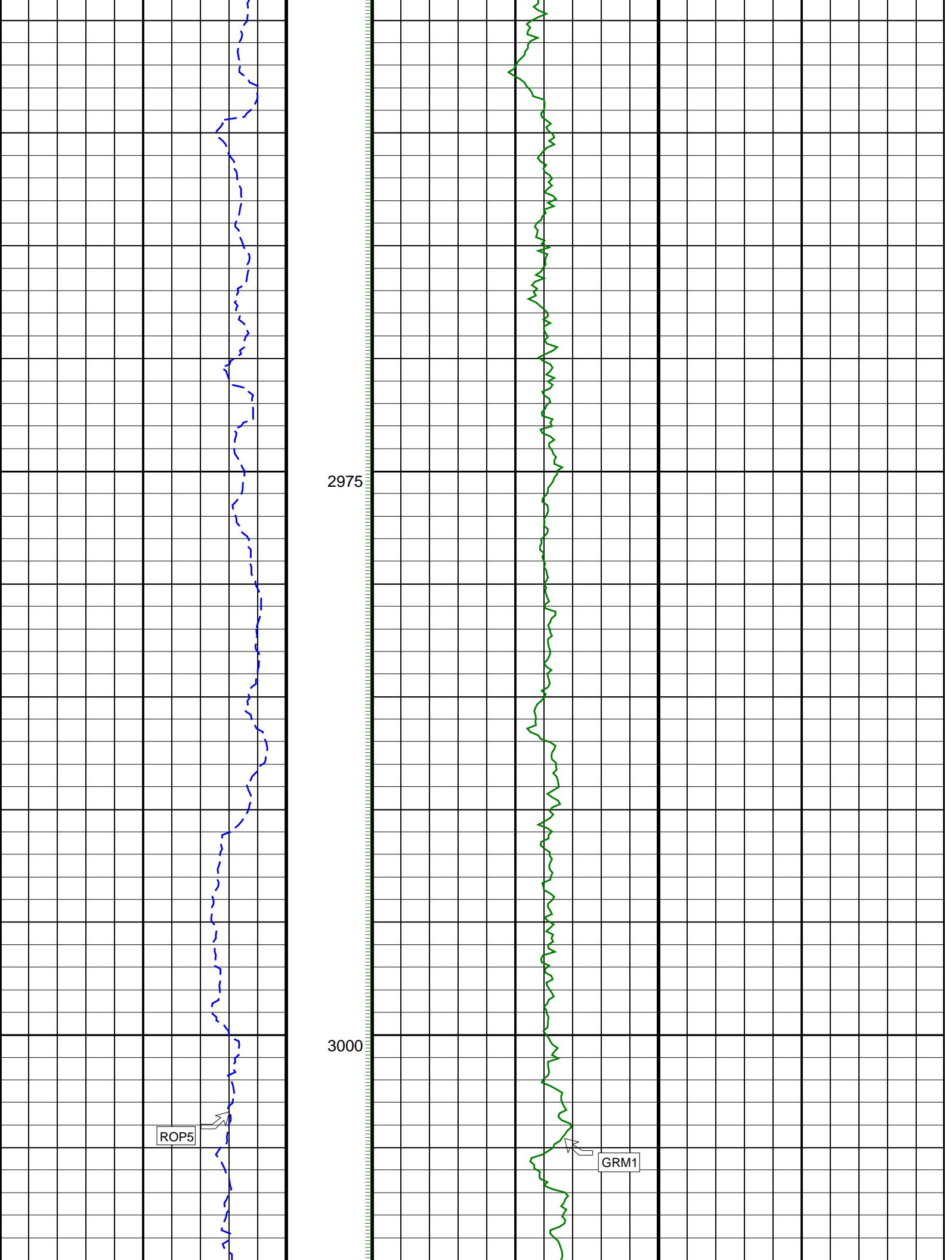
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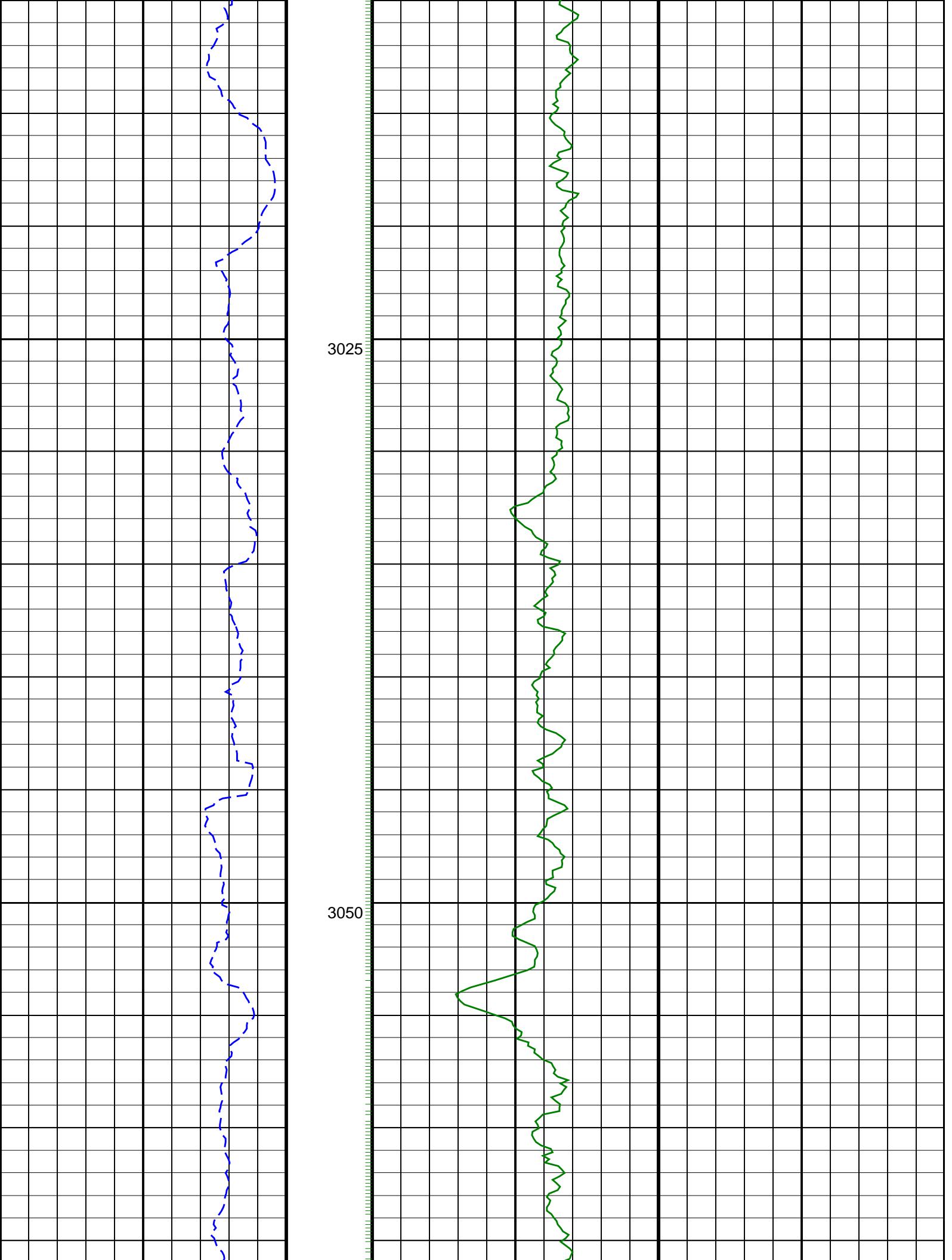


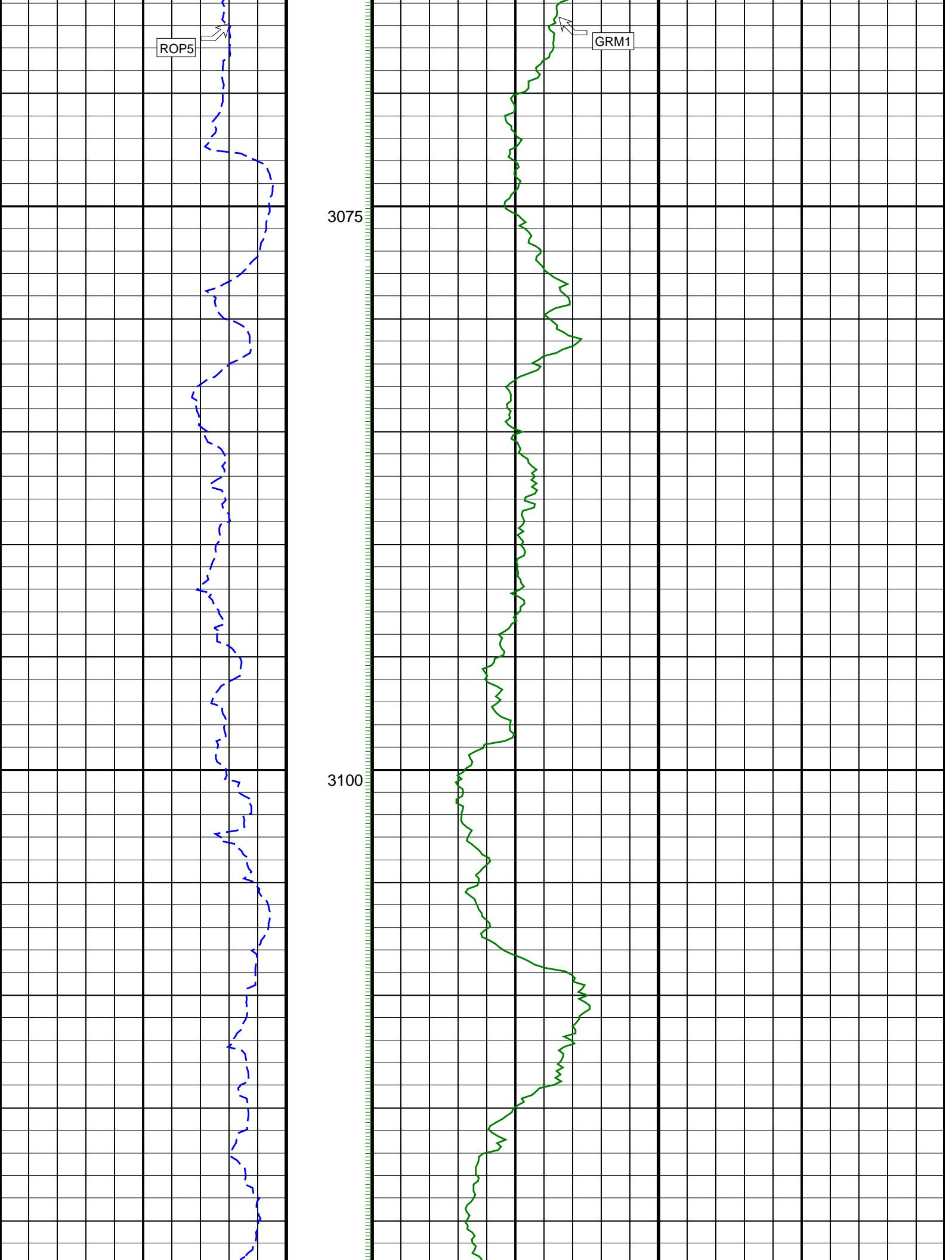
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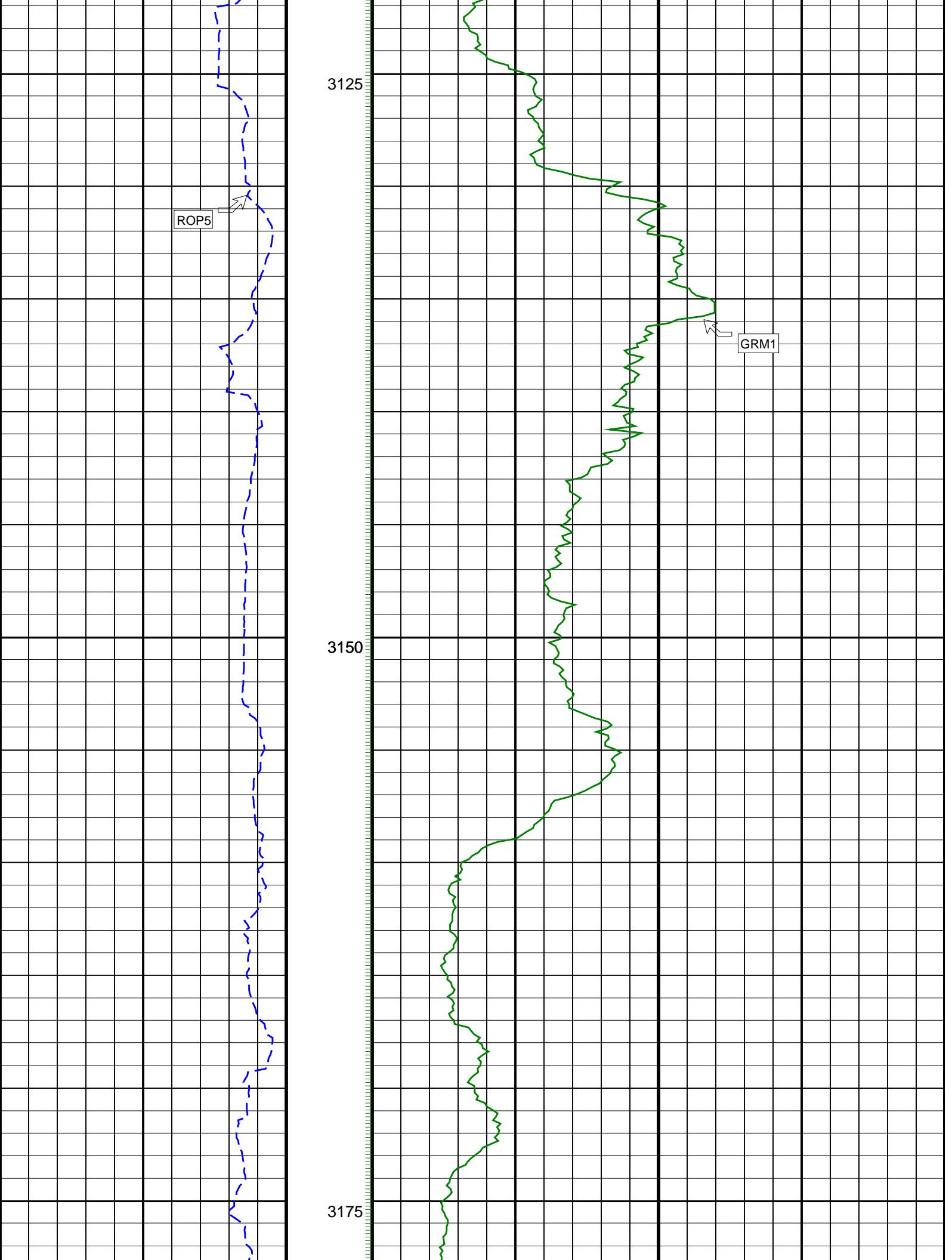
GRM1

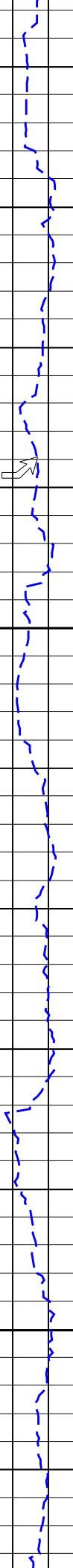




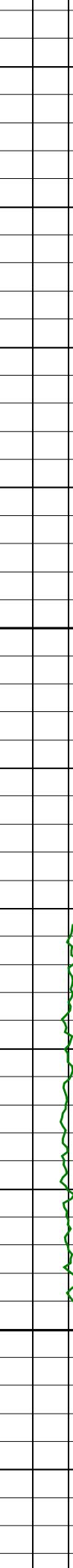






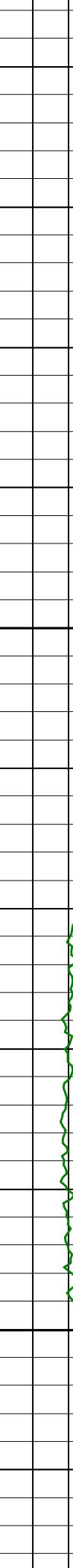


ROP5

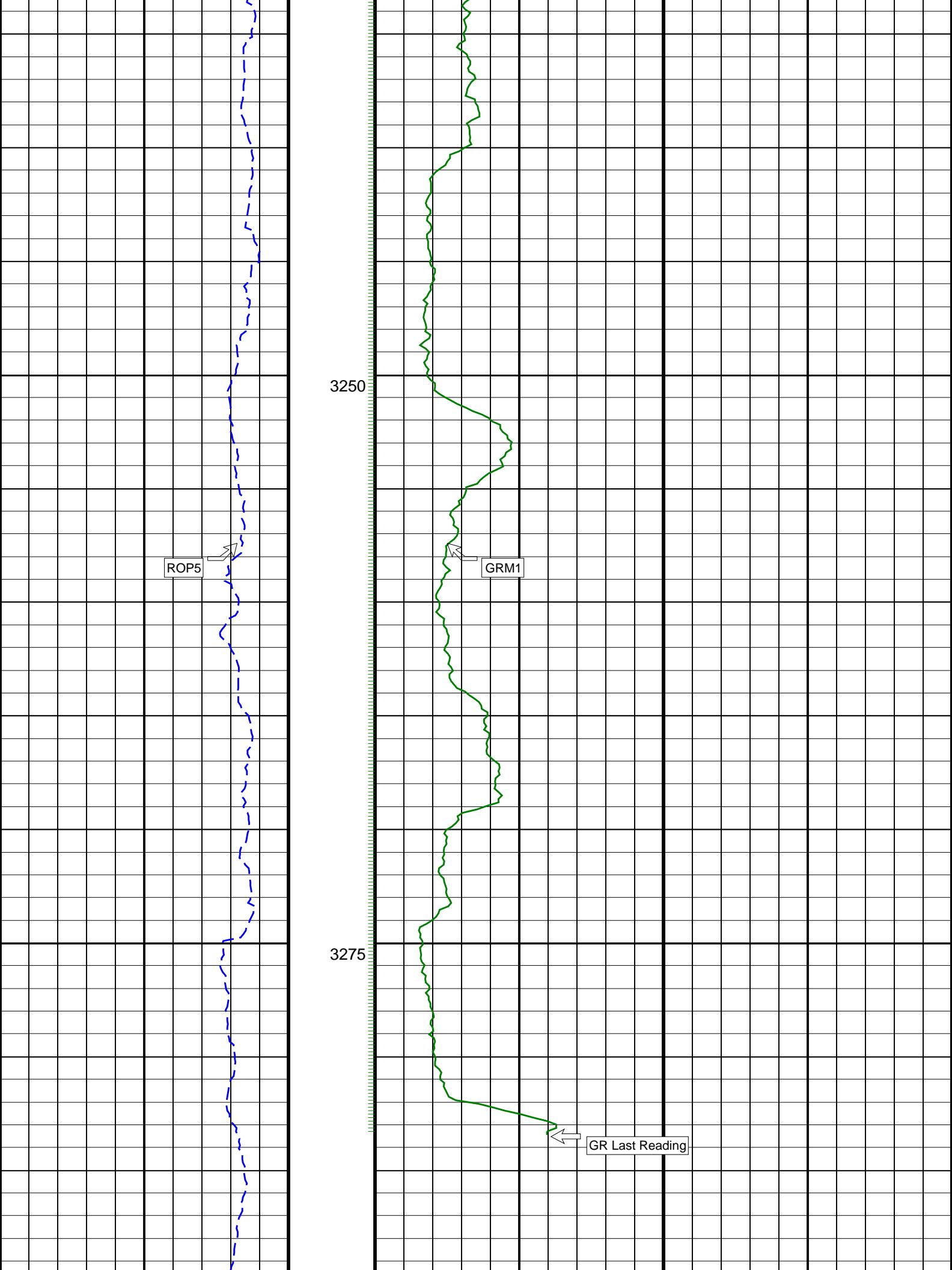


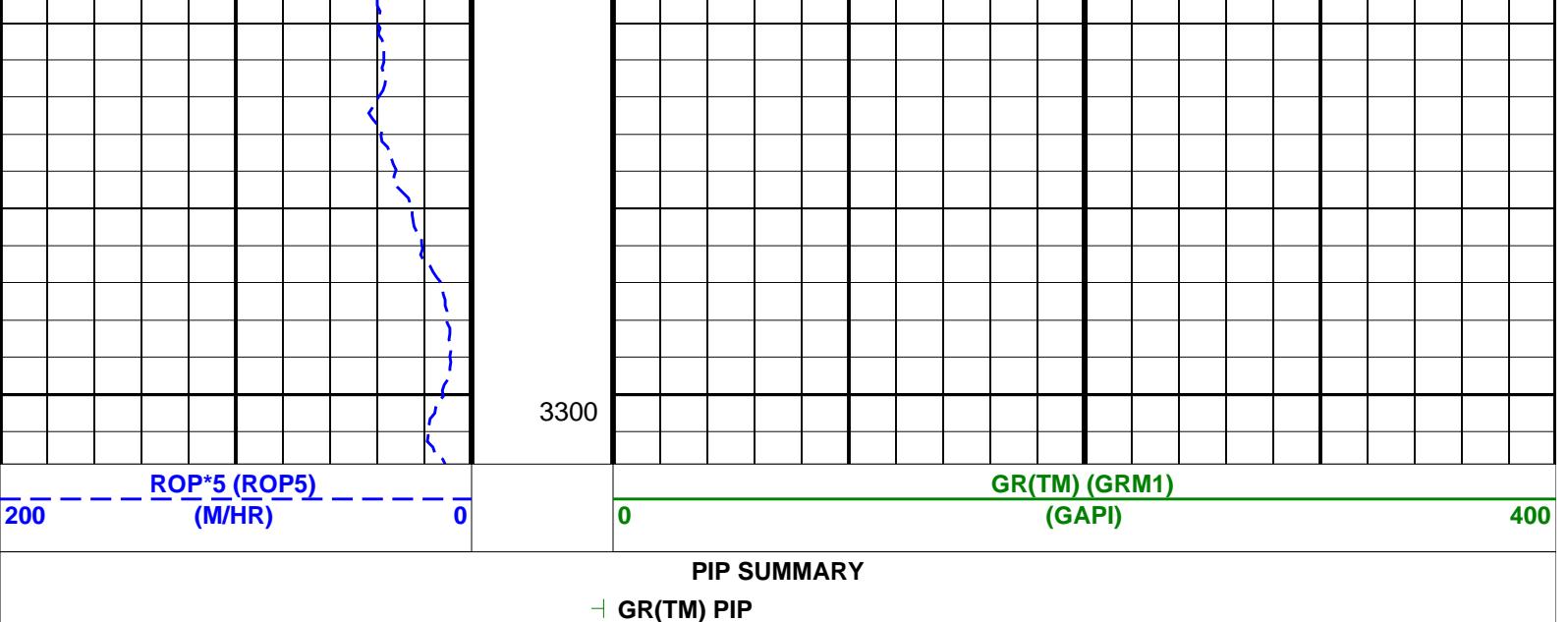
3200

GRM1



3225





Company: **ESSO Australia Pty. Ltd.**

Schlumberger

Well: **BMA A23A**

Field: **Bream A**

Rig: **ISDL 453**

State: **Victoria**

Gamma Ray Service
1:200 Measured Depth
Real Time Log