



ESSO Australia Pty. Ltd.

Well: TNA A3A

Field: Tuna

Rig: ISDL 453

State: **Victoria**

Gamma Ray Service
1:500 Measured Depth
Real Time Log

Rig:		ISDL 453	
Field:		Tuna	
Location:		Bass Strait	
Well:		TNA A3A	
Company:		ESSO Australia Pty. Ltd.	
<div> <div> <div>Gamma Ray Service</div> <div>1:500 Measured Depth</div> <div>Real Time Log</div> </div> </div>			
Location			
API serial no.	Total depth:	2262.0 m	K.B. Top Drive
	Spud date:	06-Feb-2005	G.L. -59.40 m
	Runs:	1 To 1	D.F. 31.32 m
	Elevation		
Permanent datum:	Mean Sea Level	Elev.:	0 m
Log measured from:	Drill Floor	31.32 m	above Perm. datum
Depth reference:	Driller's Depth		
Y = 5774409.61 m	Longitude	E148°25'10.108"	Latitude S38°10'10.743"
X = 624341.44 m			

Depth logged: 1217.60 m To 2243.25 m		Mag decl: 13.23°		Other services:		
Date logged: 07-Feb-05 To 11-Feb-05		Mag dip: -68.65°		Directional Drilling, D&I		
Bore hole record				Casing record		
Hole size	from	to	Size	Density	from	to
8 1/2 in.	1217.6 m	2262.0 m	9 5/8 in.	40.0 lb/ft	Surface	1217.6 m
Type	Mud record		Borehole deviation record			
	from	to	Min	Max	from	to
KCl/PHPA/Glycol	1217.6 m	2262.0 m	2.90°	38.83°	1213.4 m	2262.0 m
Surface equipment			Software record			
Unit	OLU-FB-924	IDEAL Wis	ID9_1C_01			
Depth system	DES-AB-9663	SPM	HSPM9_2C_08			
		LWD	N/A			
		MWD	V7.0C00			

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.

OTHER SERVICES FOR RUN1 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
<p>REMARKS: RUN NUMBER 1 8-1/2 in. hole was drilled from 1217.6m to 2262.0m 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 TNA A3A</p>	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

Thank You for Choosing Schlumberger

EQUIPMENT DESCRIPTION

RUN1

RUN

RUN

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse*		23.71
MDC: 401-AB		
MEC: 1540-BB		
MDI: 1556-CA		
MGR: 146-AA		
DHS: 7.0C00		
	D&I	19.40
	GR	18.75
6-5/8 in. NM Pony		15.28
S/N: ASS15700		
6-7/16 in. NM Pony		13.72
S/N: 9612058		
8-3/8 in. NM Roller Reamer		11.27
S/N: GU2298		
7 in. PowerPak* Motor		9.19
A700GT 7:8		
S/N: N7268		
1.50 deg. Bent Housing		
8-3/8 in. Motor Sleeve		



— 0.00

0.22

Smith PDC Bit
OD: 8–1/2 in.
S73PX S/N: JT6967–R1

Maximum string diameter 8.50 in.
All lengths in Meters

Bit Run Summary

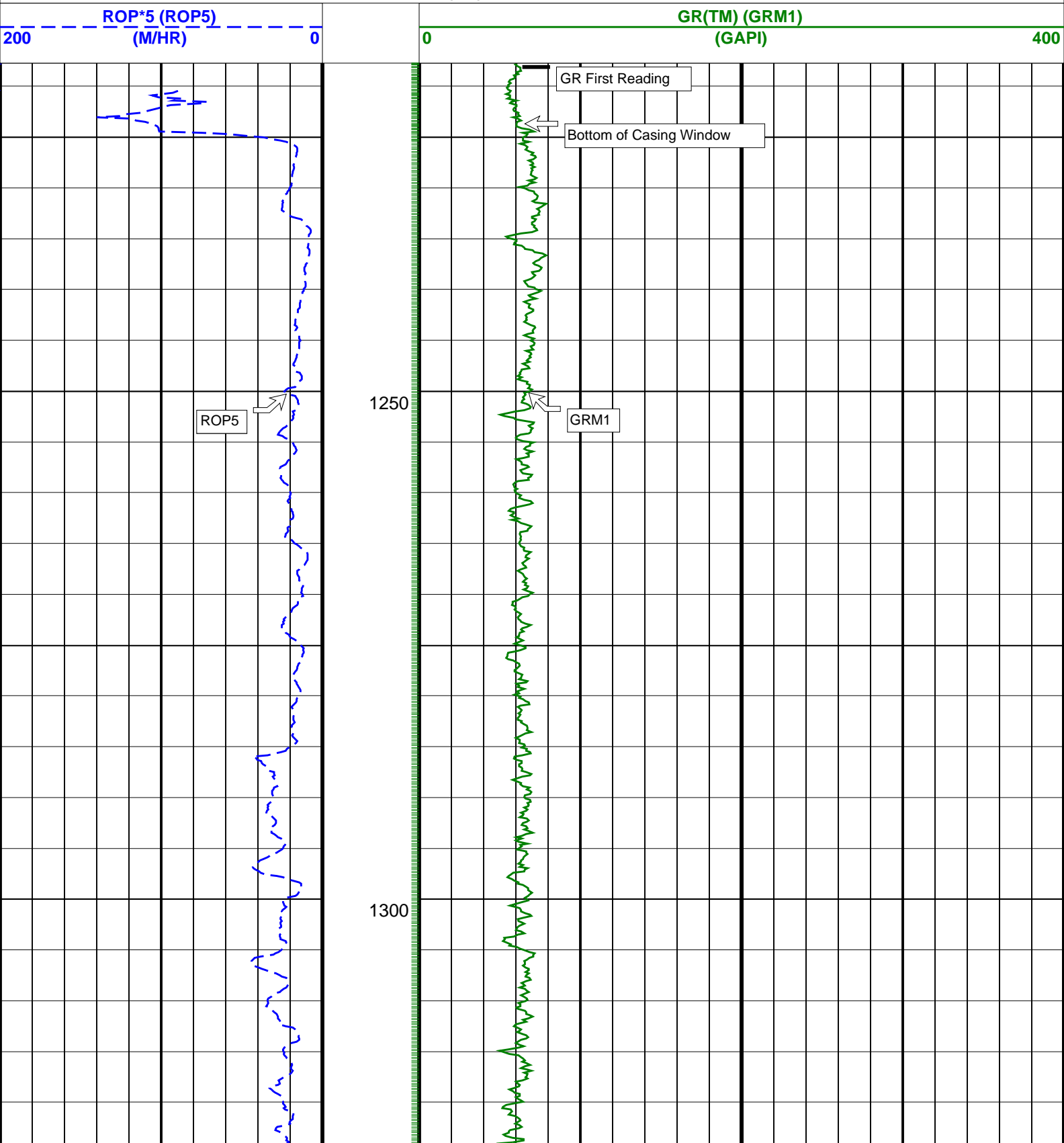
Run number		1									
Bit size	in.	8.5									
Bit start depth	m	1217.6									
Bit end depth	m	2262.0									
Top interval logged	m	1217.6									
Bottom interval logged	m	2243.3									
Begin log: time		14:30									
Begin log: date		07–Feb–05									
End log: time		03:17									
End log: date		11–Feb–05									
Mud data											
Depth	m	2262.0									
Type		KCl/PHPA/Glyc.									
Mud weight	ppg	10.1									
Solids	%	8.2									
Chlorides	mg/L	49,000									
Rm		N/A									
Rmf		N/A									
Rmc		N/A									
Potassium	%	4.2									
Environmental data											
GR											
Mud weight	ppg	10.1									
Bit size	in.	8.5									
Resistivity											
Neutron porosity											
Hole Size											
Mud weight											
Temperature											
Mud salinity											
Formation salinity											
Recording rate 1	SEC	4.14									
Recording rate 2	SEC	N/A									
Filtering GR		3 pt									
Filtering density											
Filtering Neutron											
Company representative		T. Basset	B. Davis								
Anadrill personnel		D. Hastie	R. Borjas	C. Cocks	T. Auger						

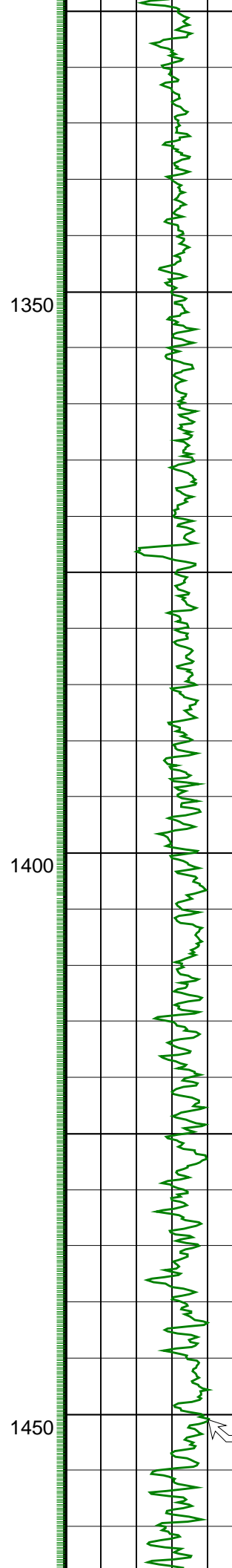
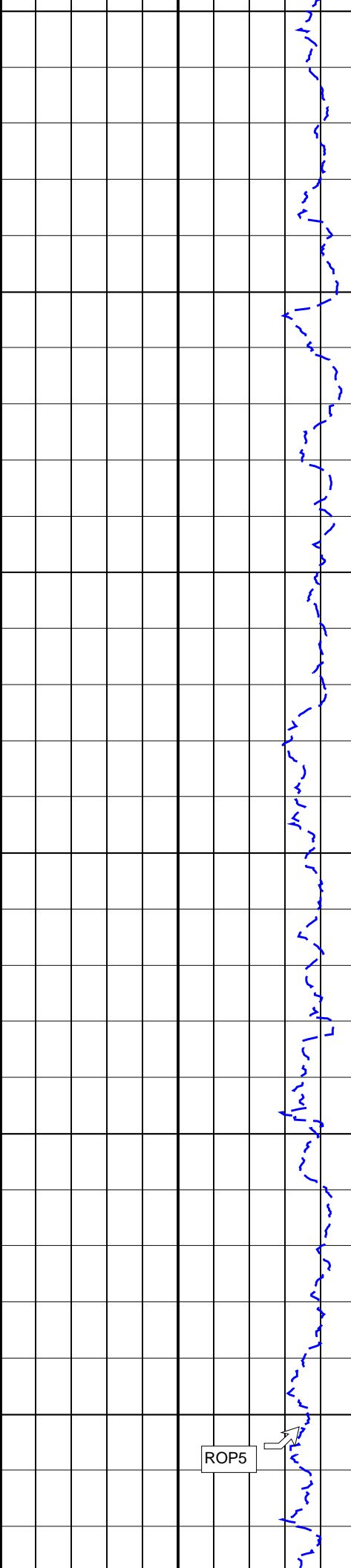
TNA A3A RT 1:500MD

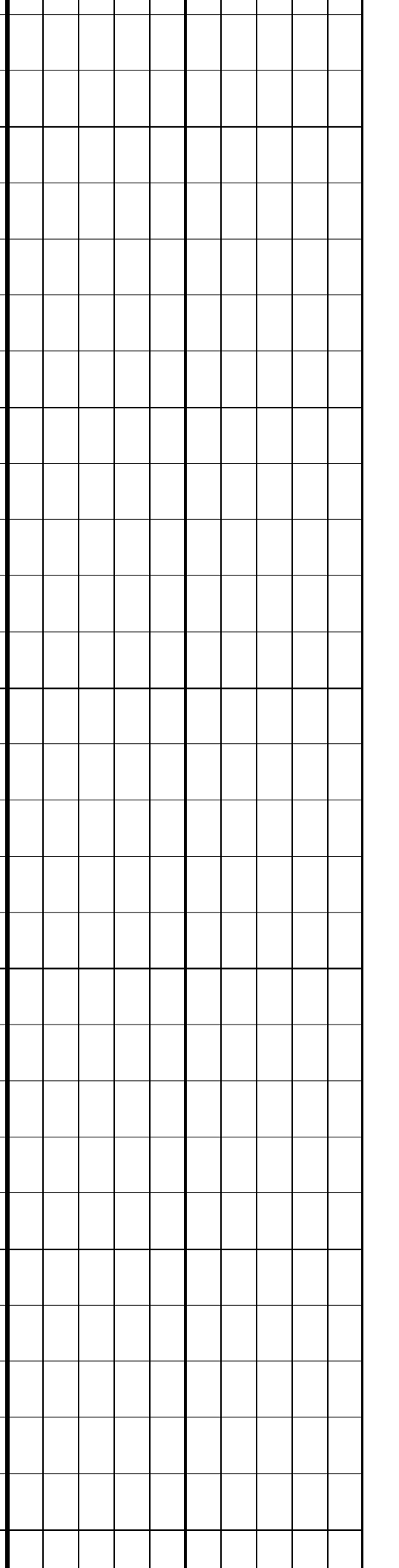
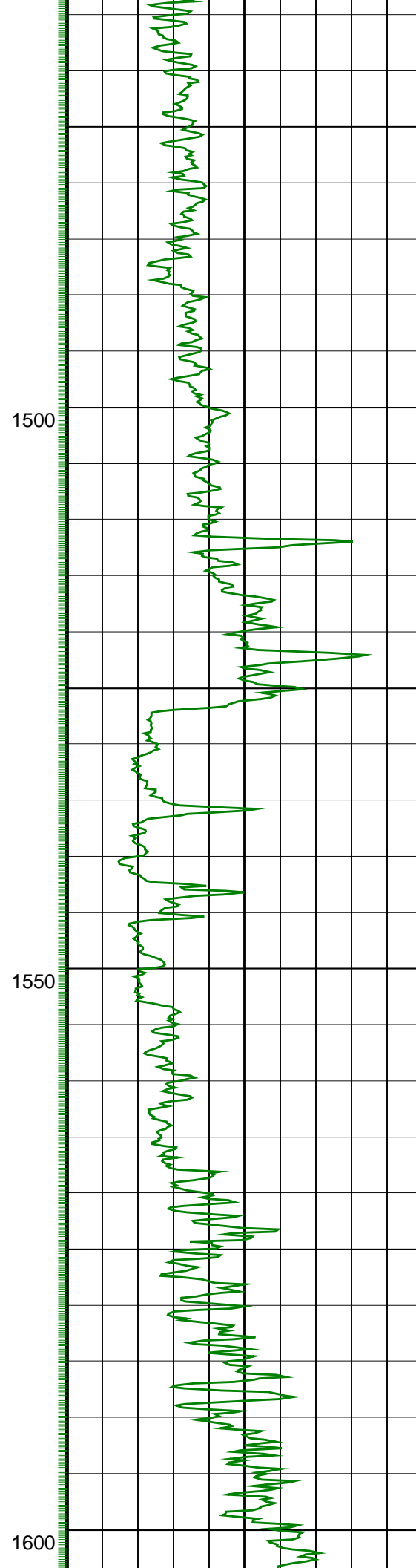
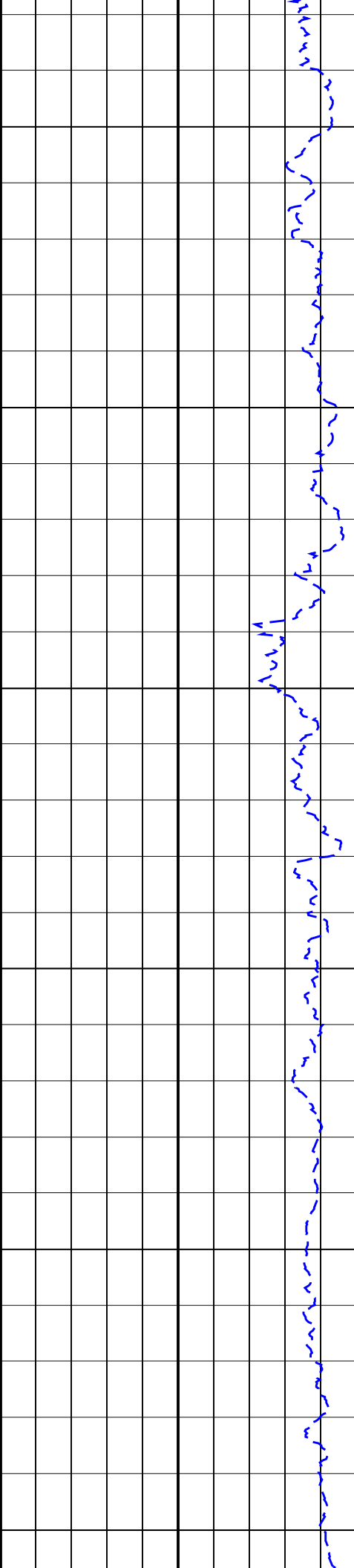
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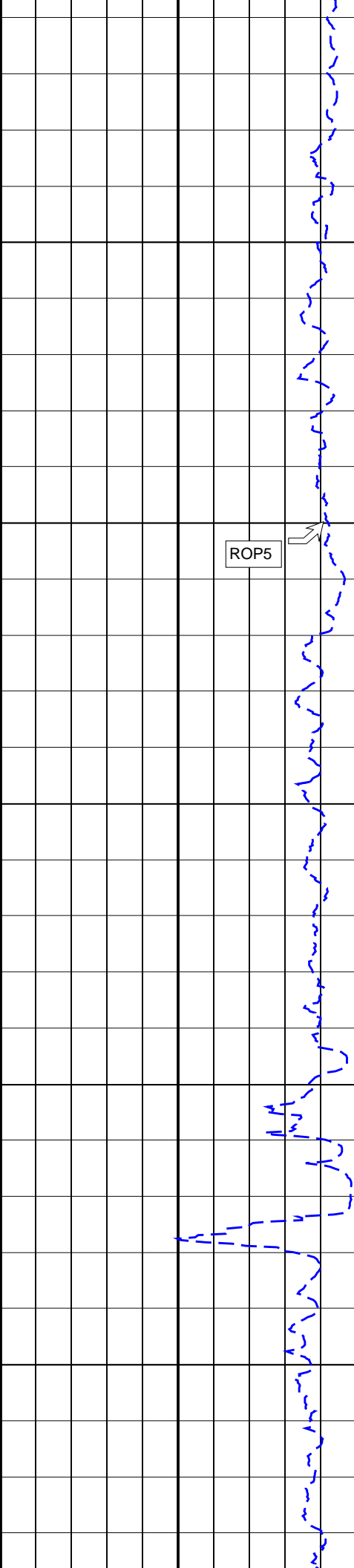
PIP SUMMARY

GR(TM) PIP



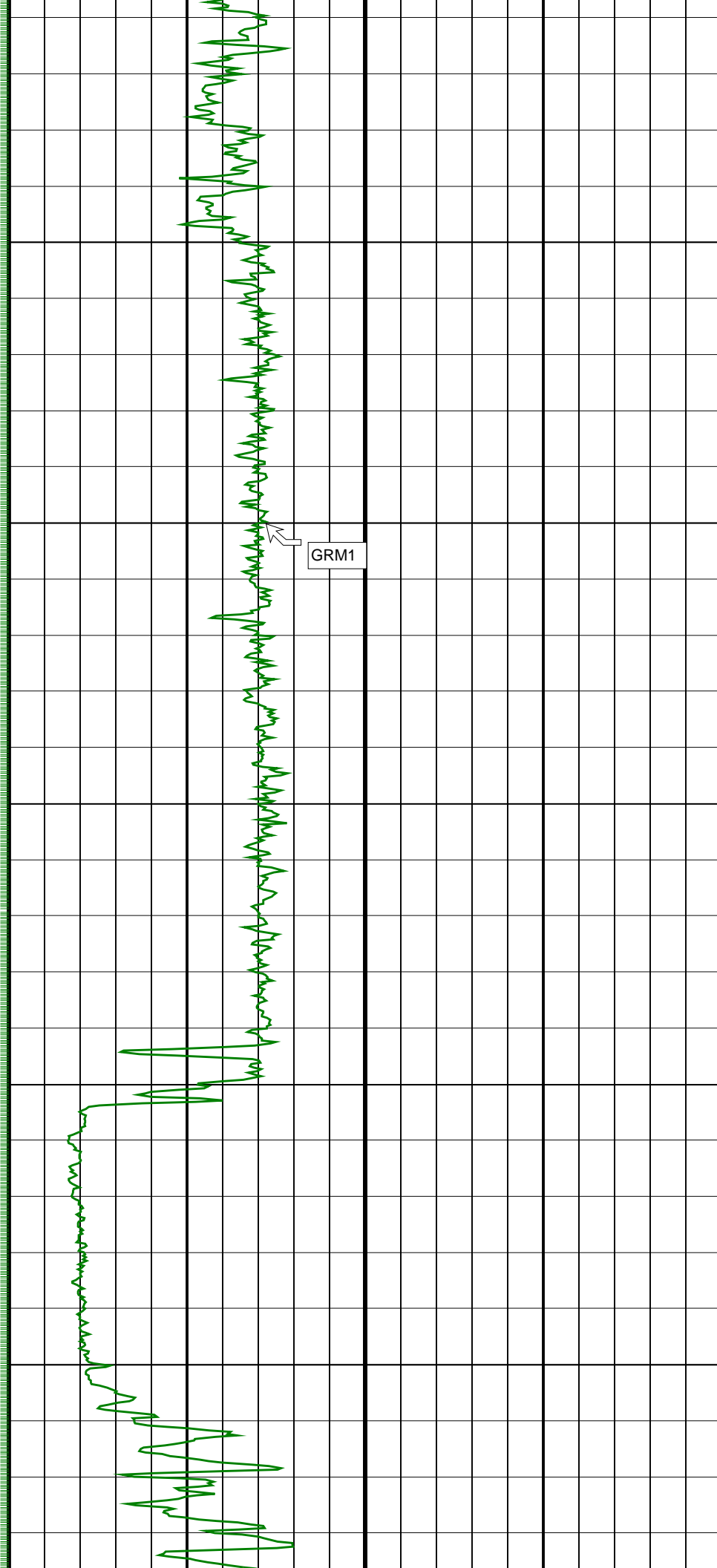


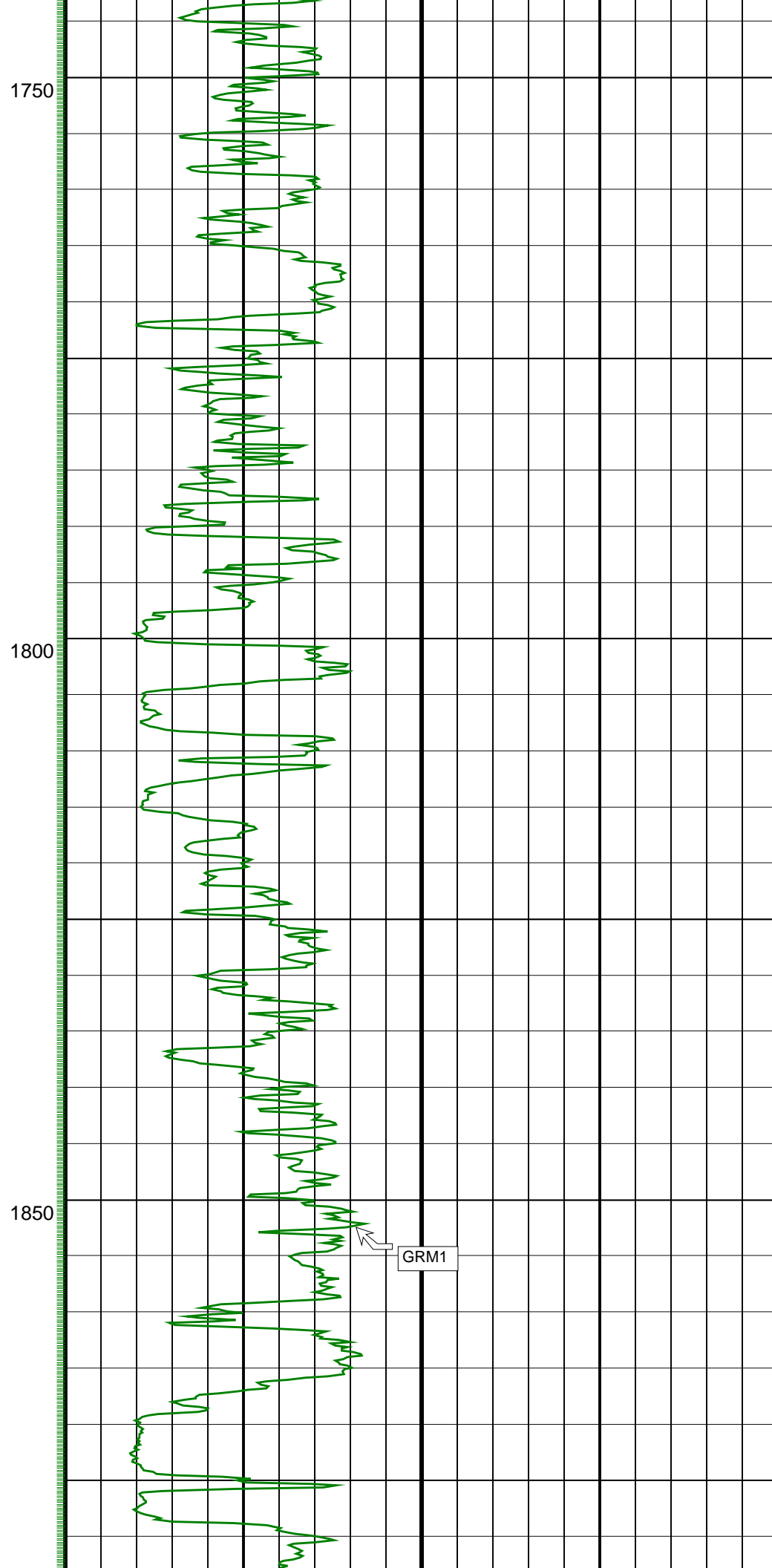
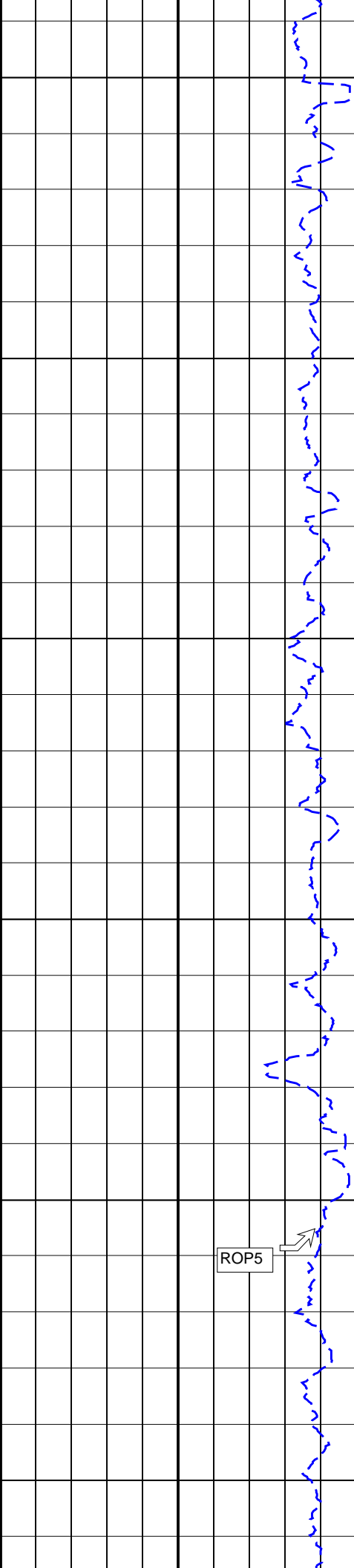


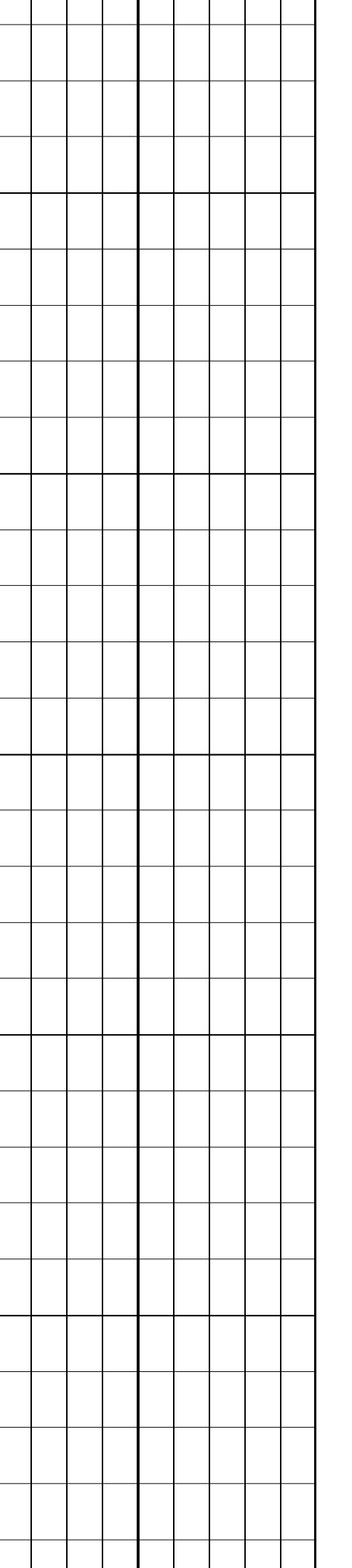
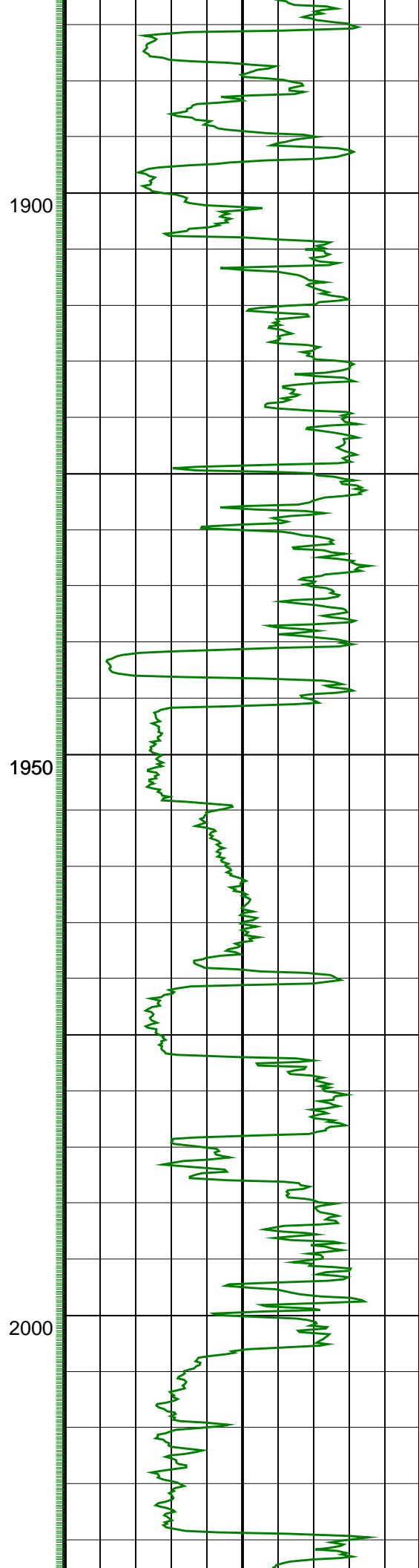
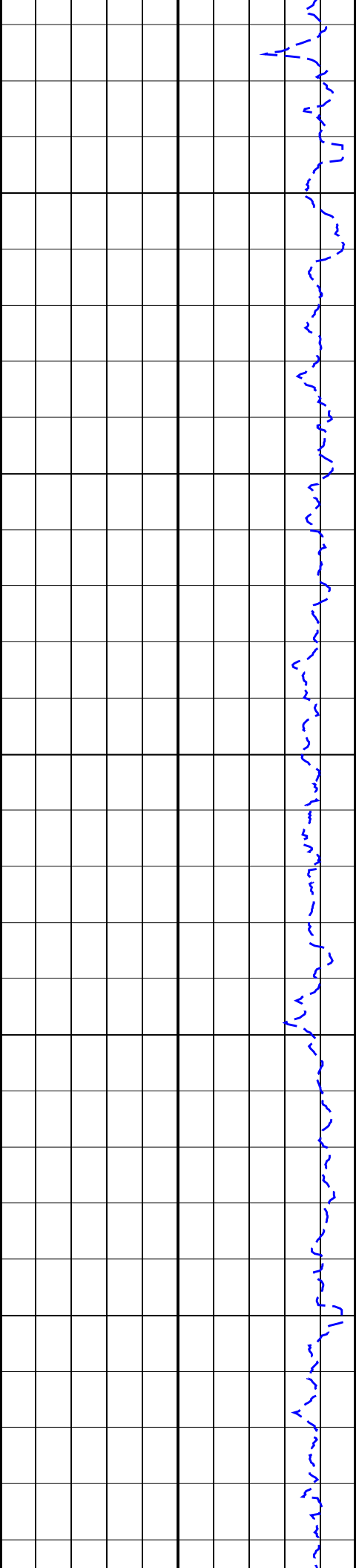


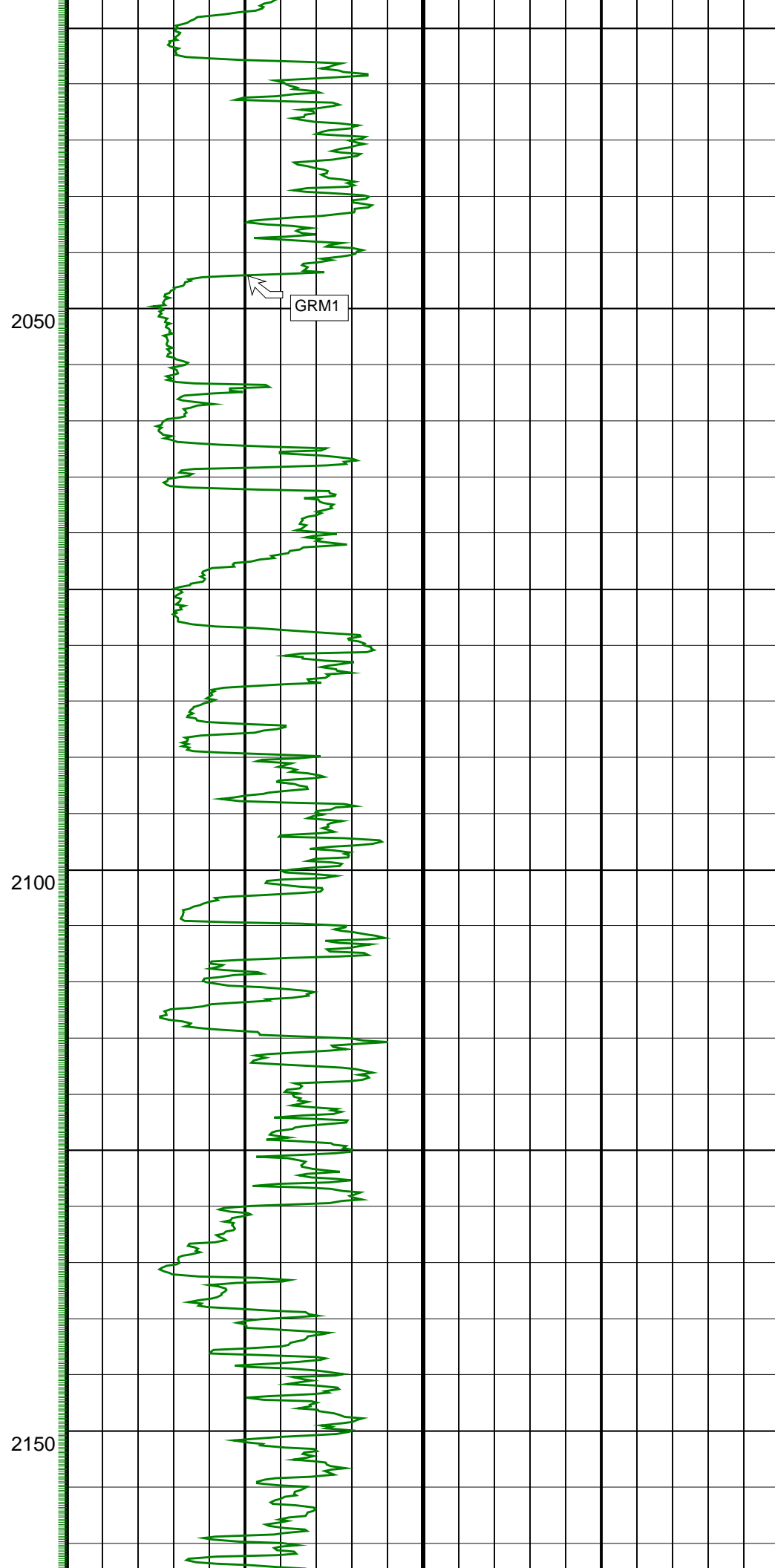
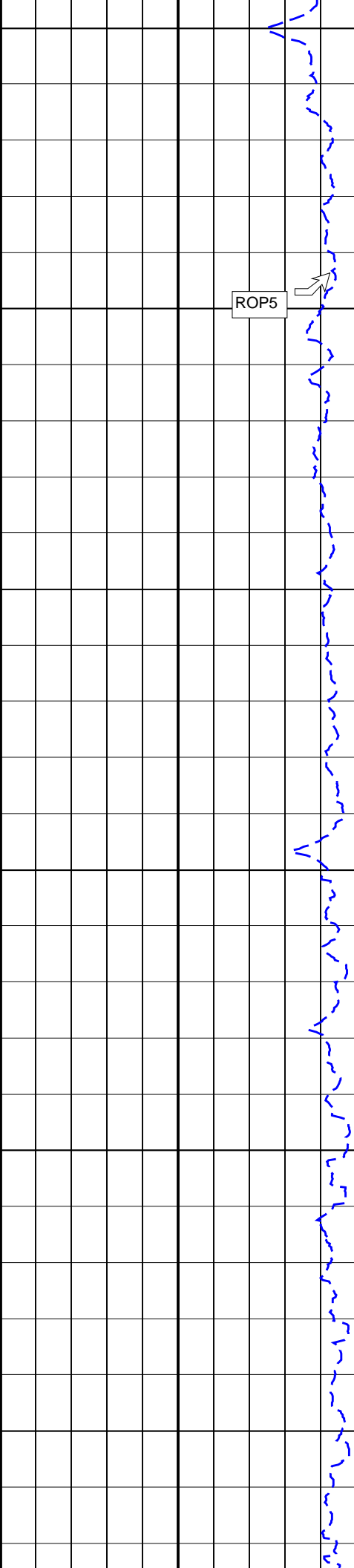
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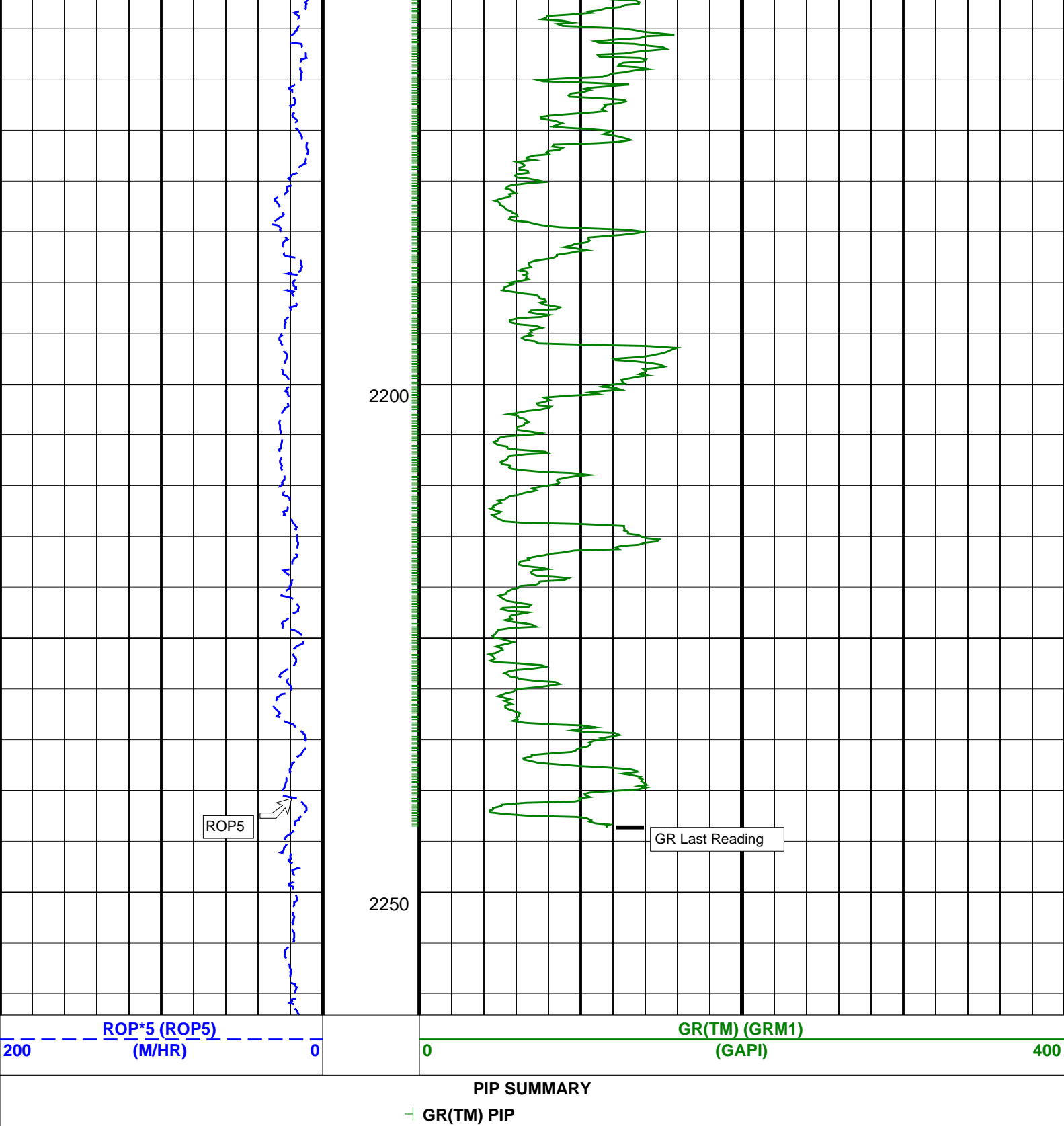
1700











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Rig:	ISDL 453	
State:	Victoria	
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