

Potassium	%	4.2									
Environmental data											
GR											
Mud weight	ppg	10.05									
Bit size	in	8.5									
Resistivity											
Neutron porosity											
Hole Size		N/A									
Mud weight		10.05									
Temperature		N/A									
Mud salinity		N/A									
Formation salinity		N/A									
Recording rate 1	SEC	2.97									
Recording rate 2	SEC	N/A									
Filtering GR		3 pt.									
Filtering density		N/A									
Filtering Neutron		N/A									
Company representative		G.Campbell	B.Davis	T.Basset							
Schlumberger D&M Personnel		L.Johnston	R.Burns	C.Soper	A.Tovar						

<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 RUN1 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 1 Depth is referenced to Drillers Depth. All data presented is from Real-Time Transmission. Enviromental Corrections: – Gamma Ray was Corrected for Mud Weight, Tool and Bit Size. Gamma Ray is not corrected for Potassium. 8–1/2 in. hole was drilled from 651.0 m to 2710.0 m MD. Gamma Ray Data loss between 1530.0 and 1571.0 m MD and ROP data loss between 1549.0 and 1590.0 m MD due to Hookload Sensor failure.	REMARKS: RUN NUMBER	REMARKS: RUN NUMBER

EQUIPMENT DESCRIPTION		
RUN1	RUN	RUN
DOWNHOLE EQUIPMENT		

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse*
MDC: V875
MEC: BA 064
MDI: BC 738
MGR: AA 503
DHS: V8.0B96

D&I 19.12
GR 18.47

6-1/2 in. NM Pony
S/N: 97081023

8-3/8 in. NM Roller Reamer
S/N: GU2317R

6-1/2 in. NM Pony
S/N: ANA98-007

7 in. PowerPak* Motor
A700GT 7:8
S/N: N7413
1.5 deg. Bent Housing
8-3/8 in. Motor Sleeve

Smith PDC Bit
OD: 8-1/2 in.
S73PX S/N: JT6967 R3

Maximum string diameter 8.50 in.
All lengths in Metres

WKF W18A RT 1:200 MD

IDEAL Version: ID11_0C_01 <MD> Vertical Scale: 1:200

Graphics File Created: 01-May-2006 01:35

PIP SUMMARY

GR(TM) PIP

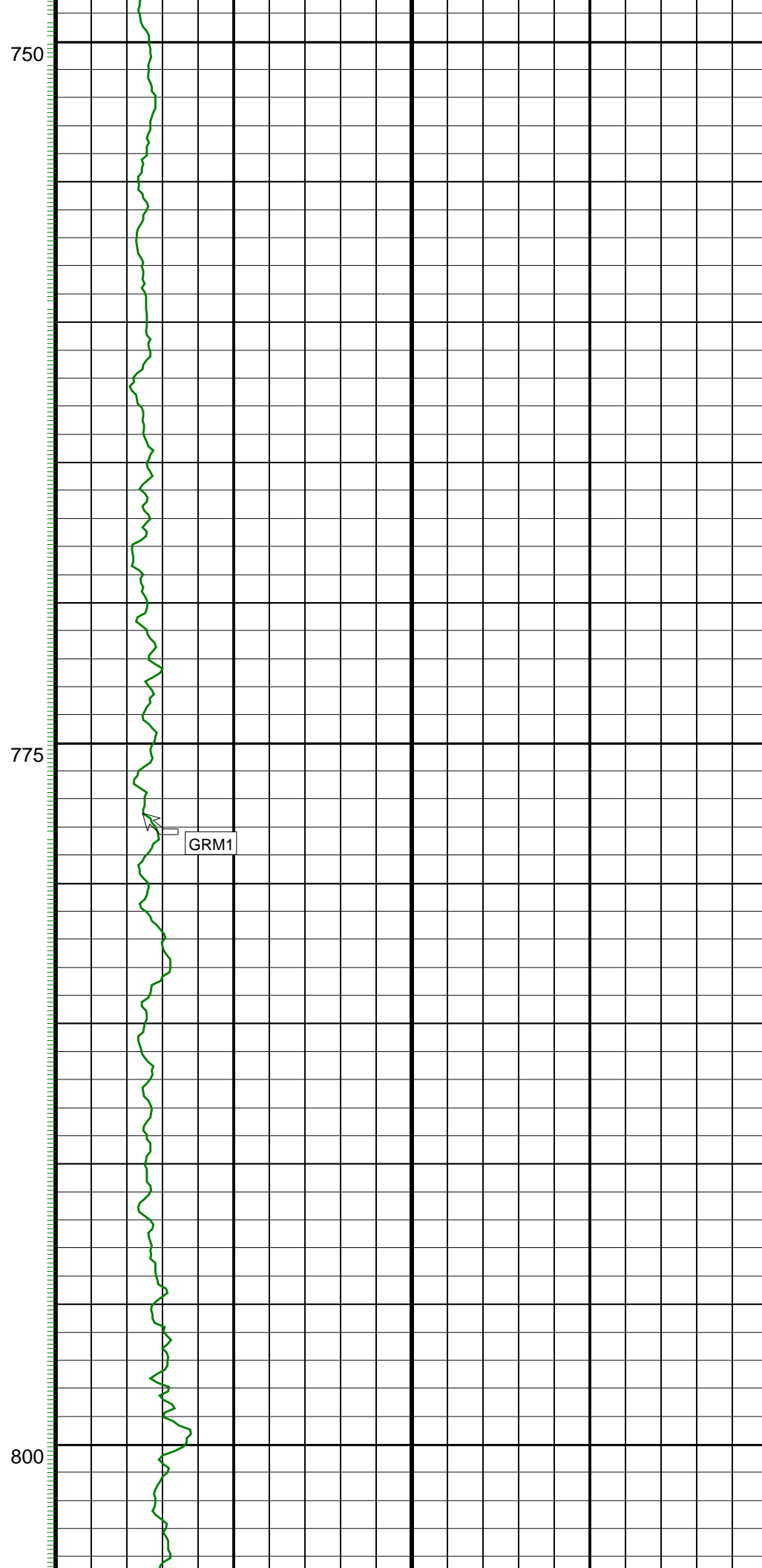
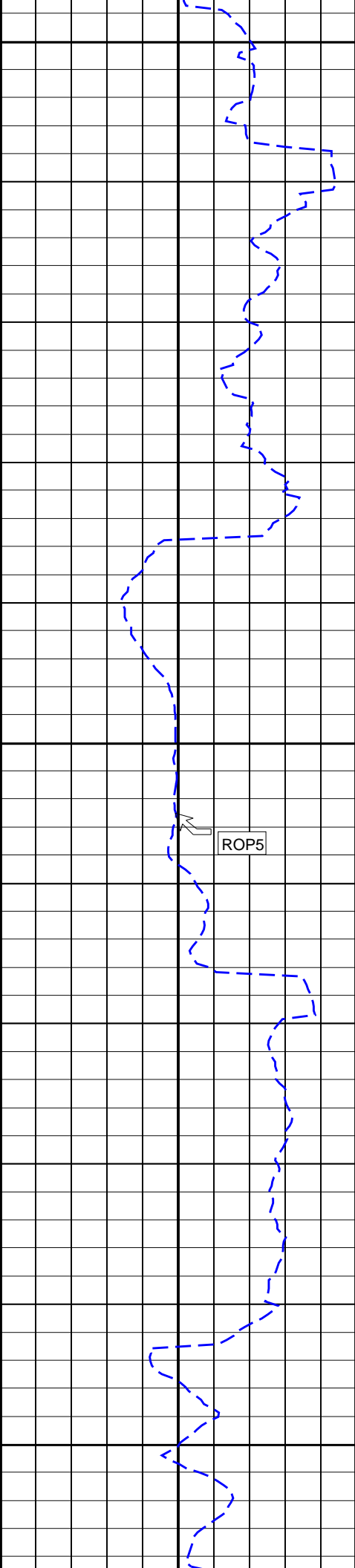
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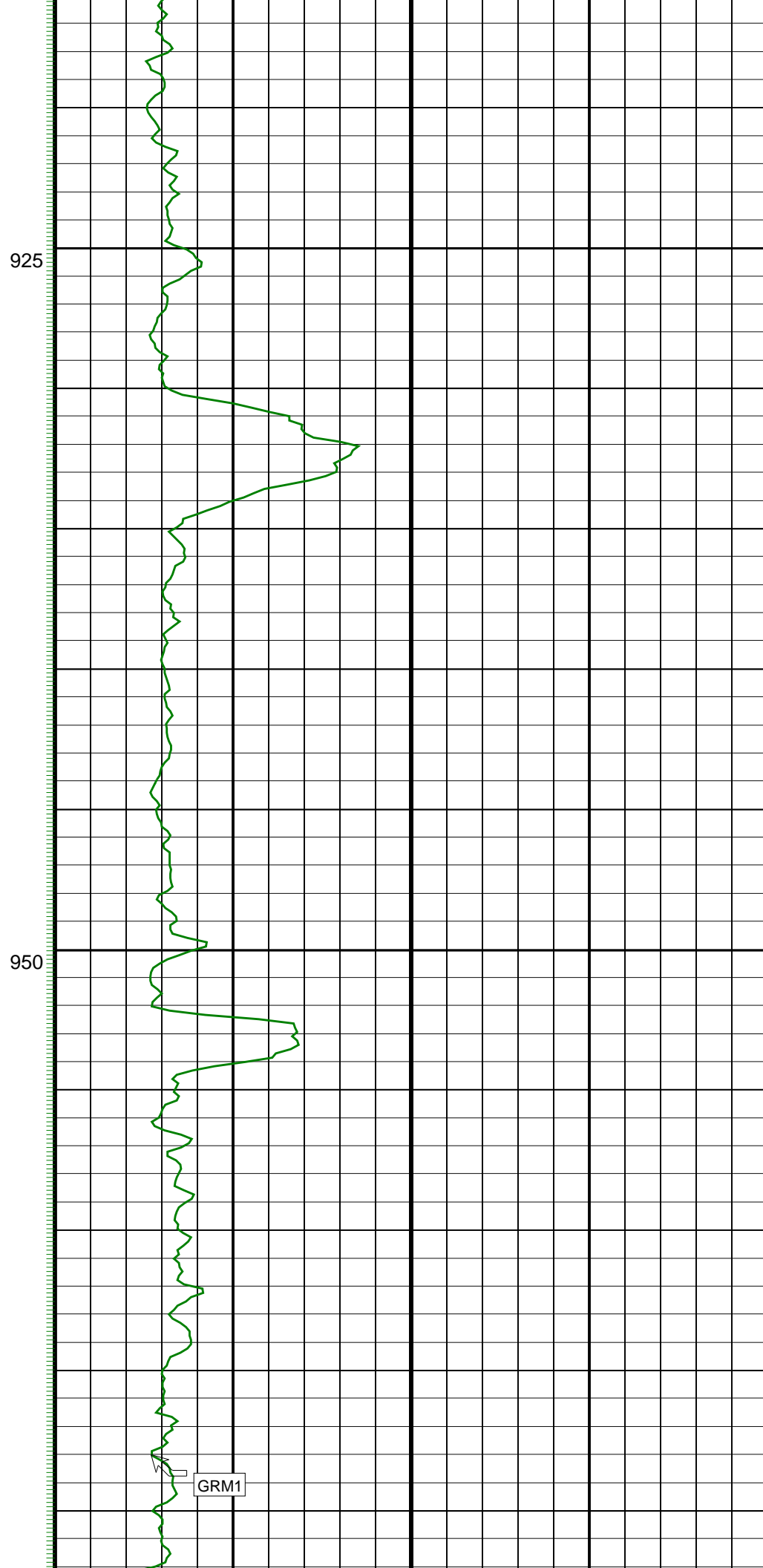
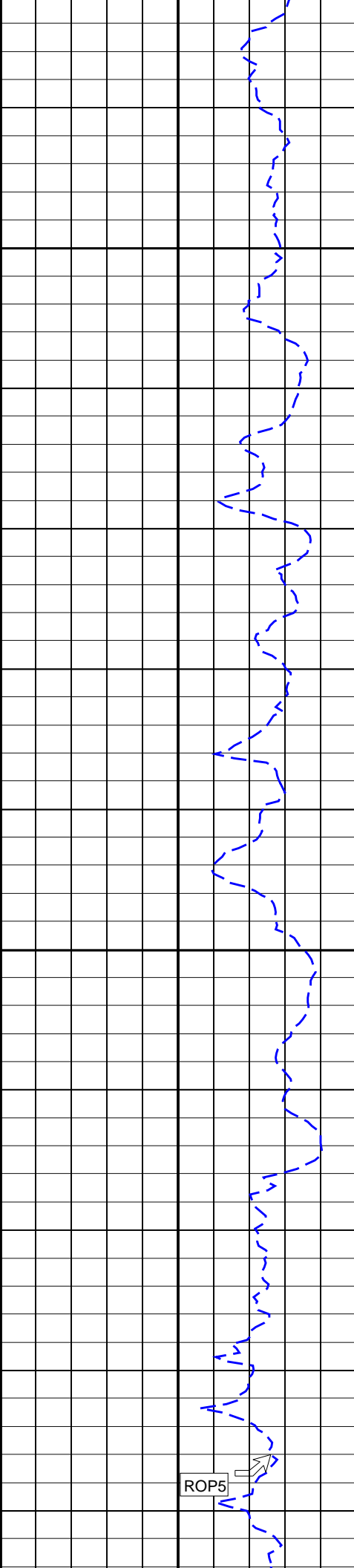
200 (M/HR) 0

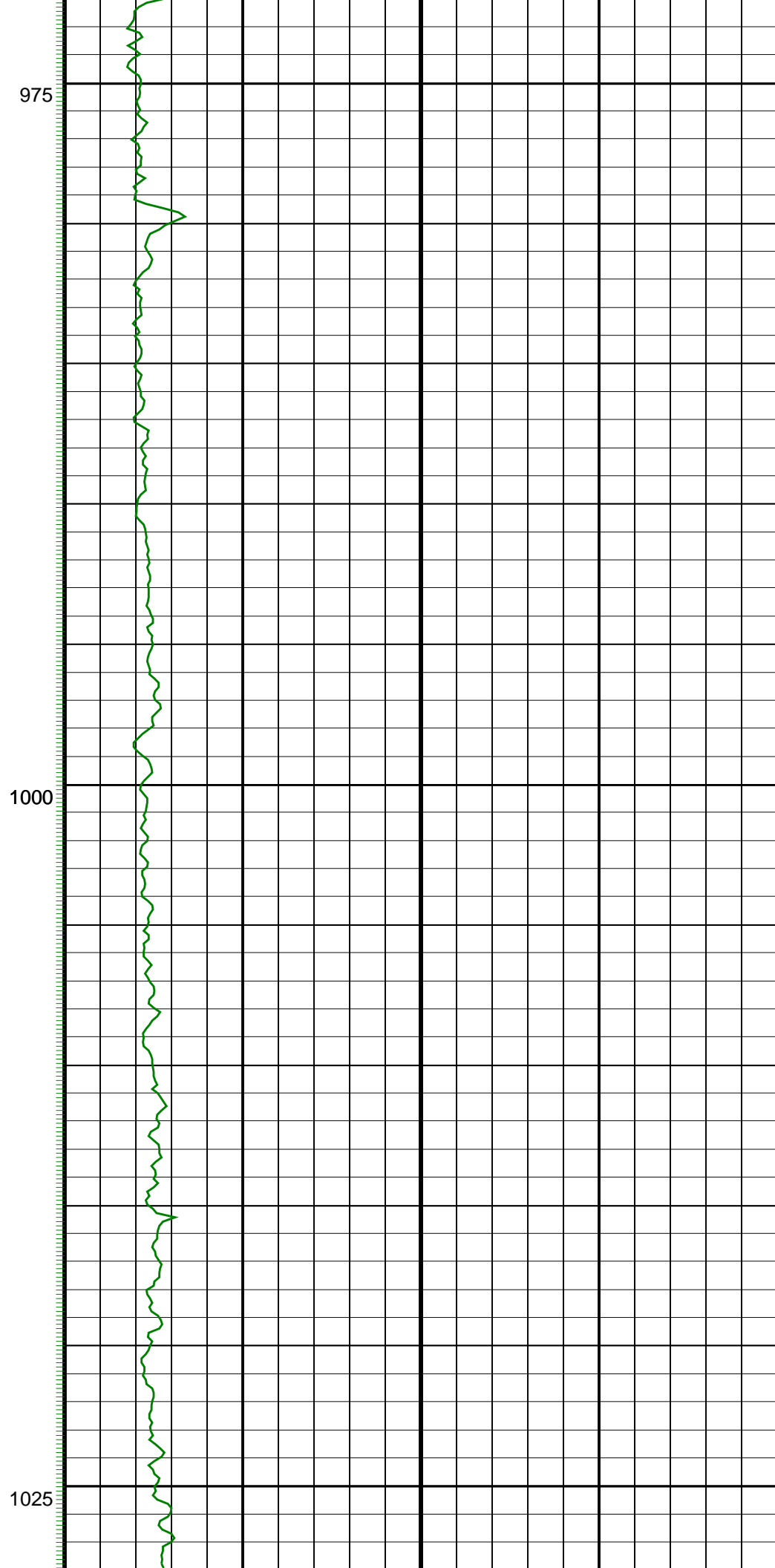
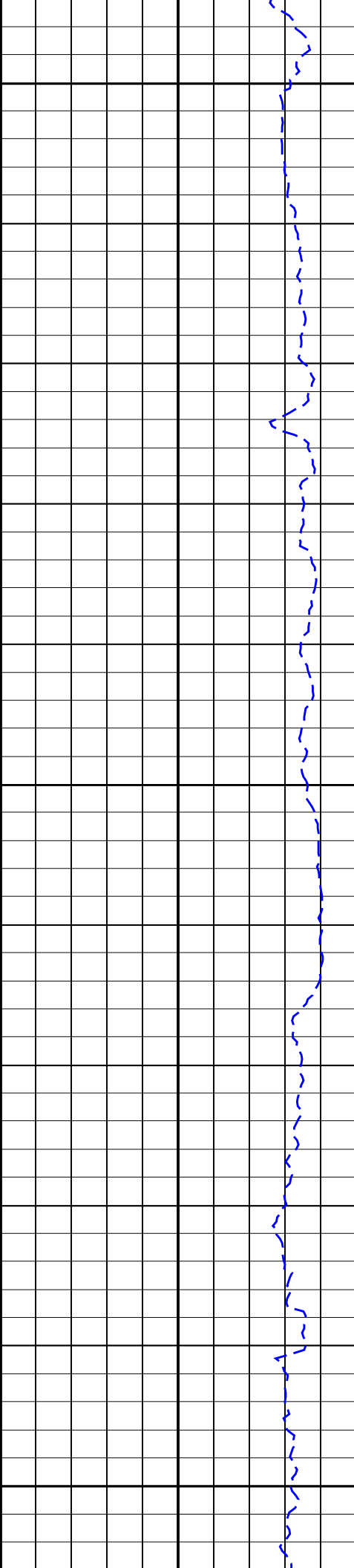
GR(TM) (GRM1)	
0	400
(GAPI)	

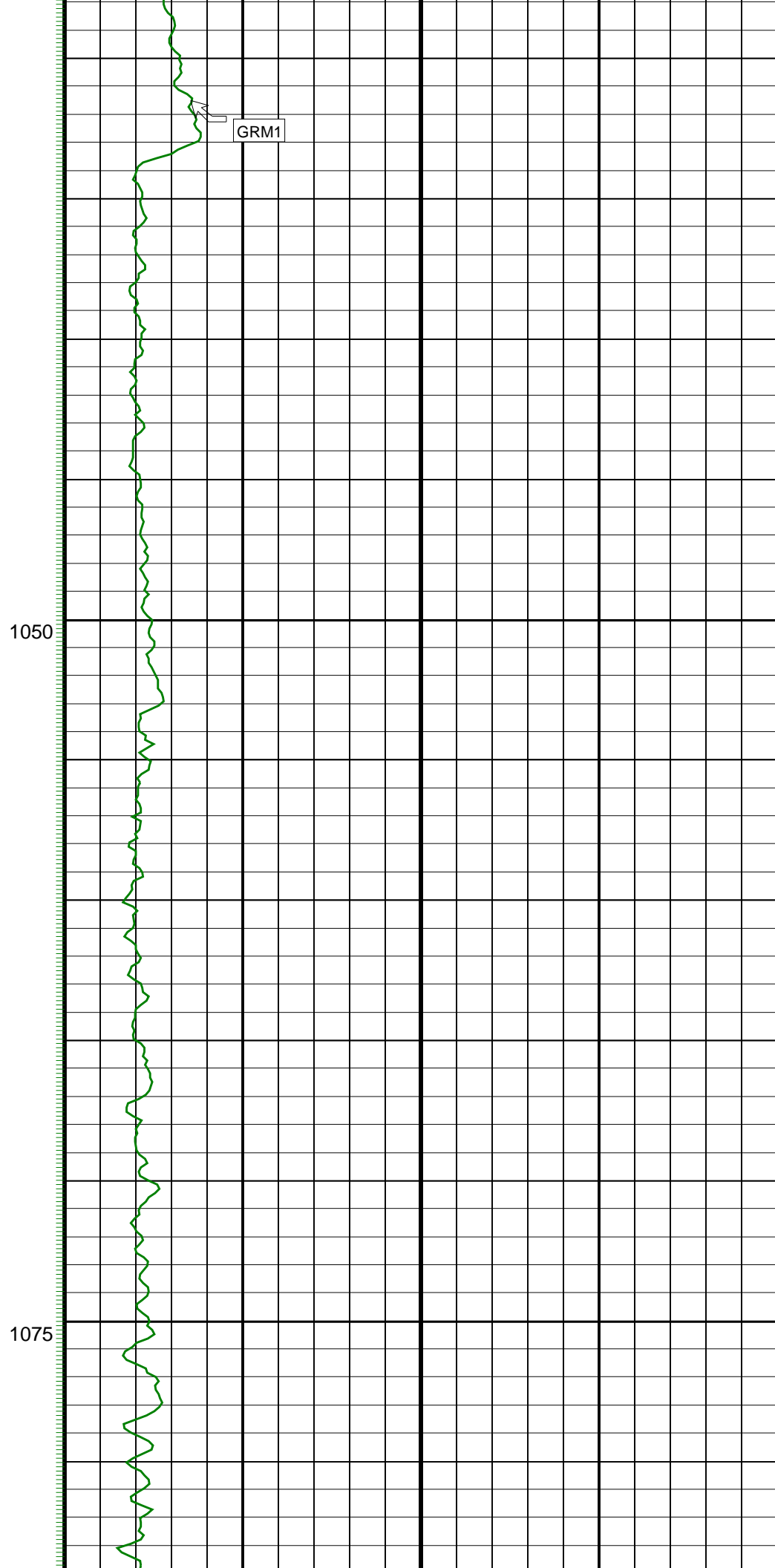
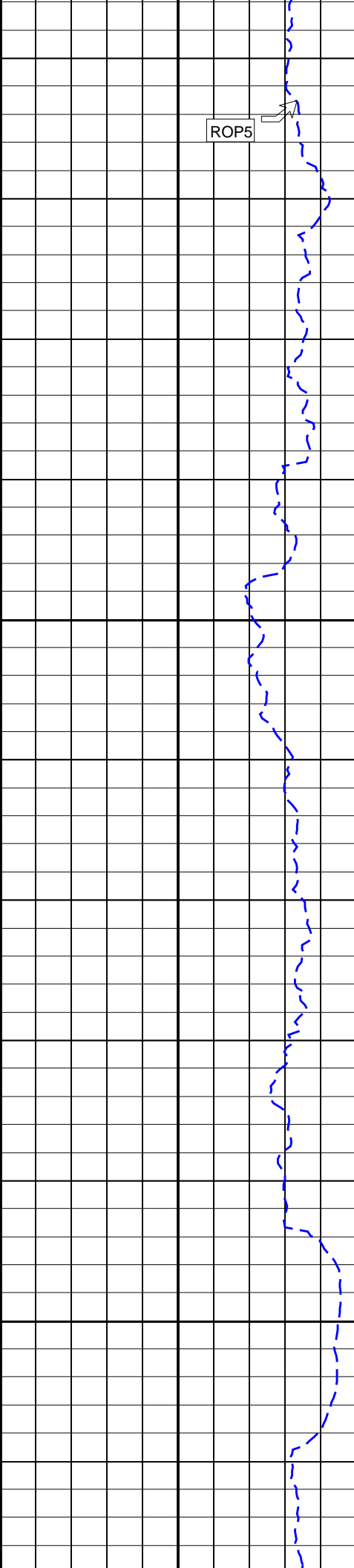
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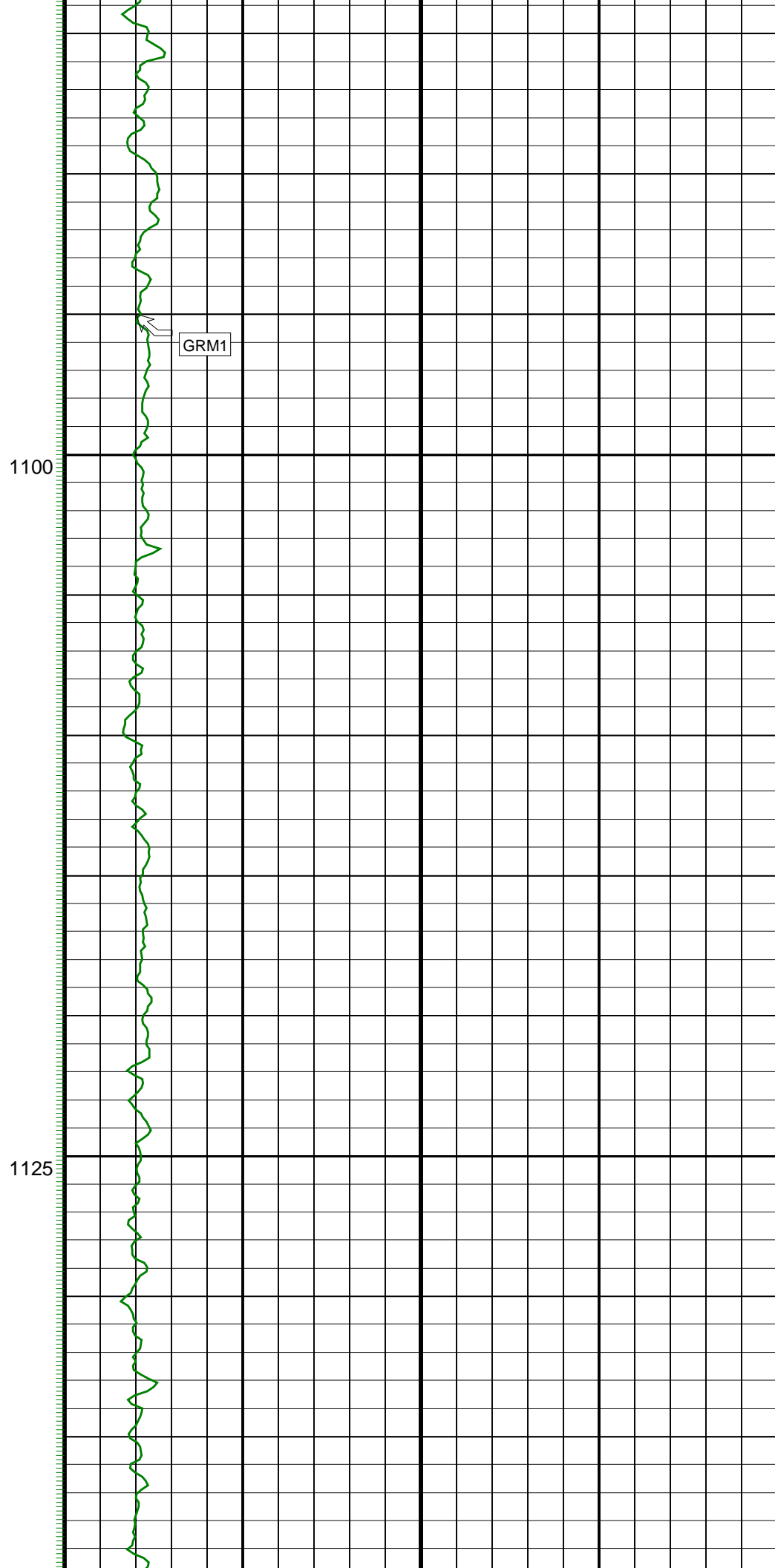
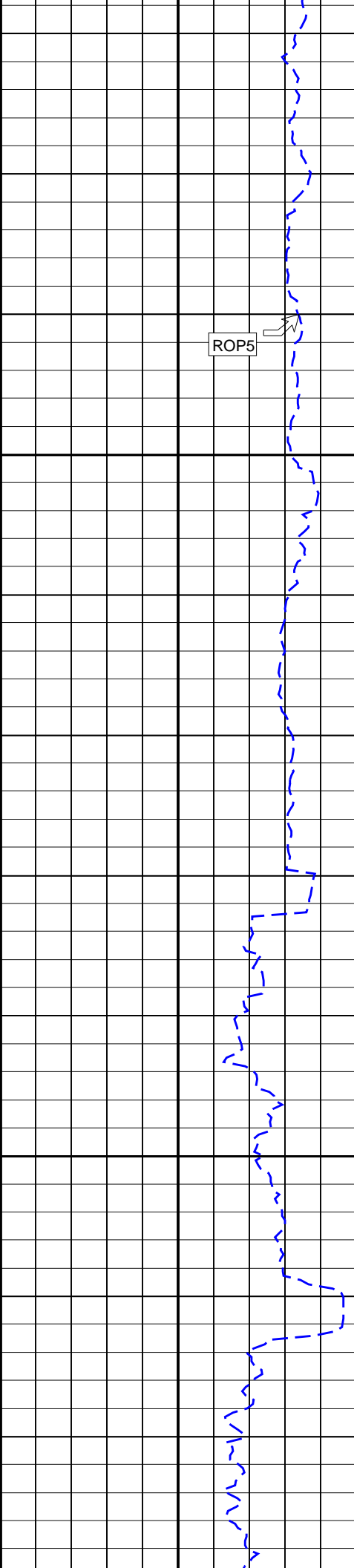
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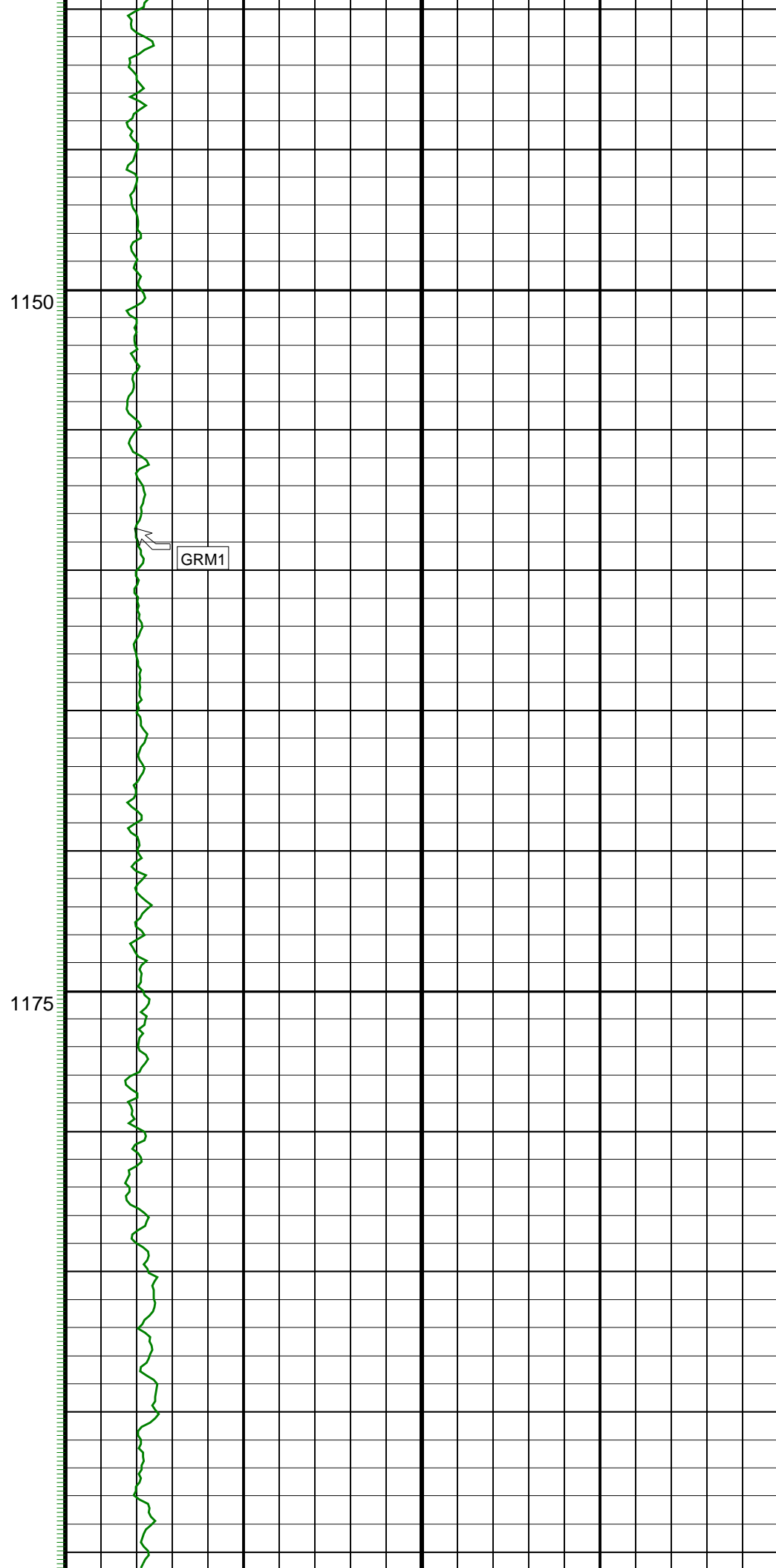
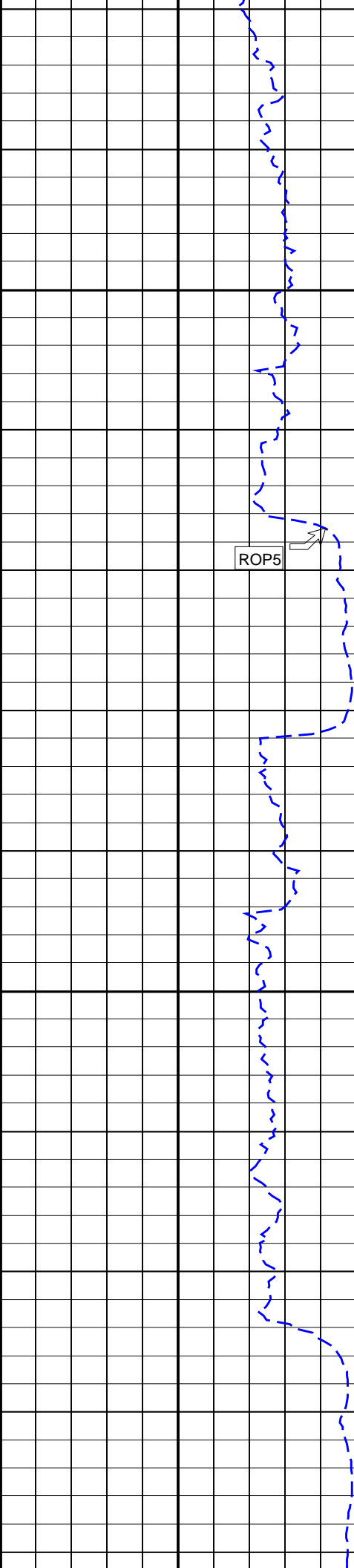


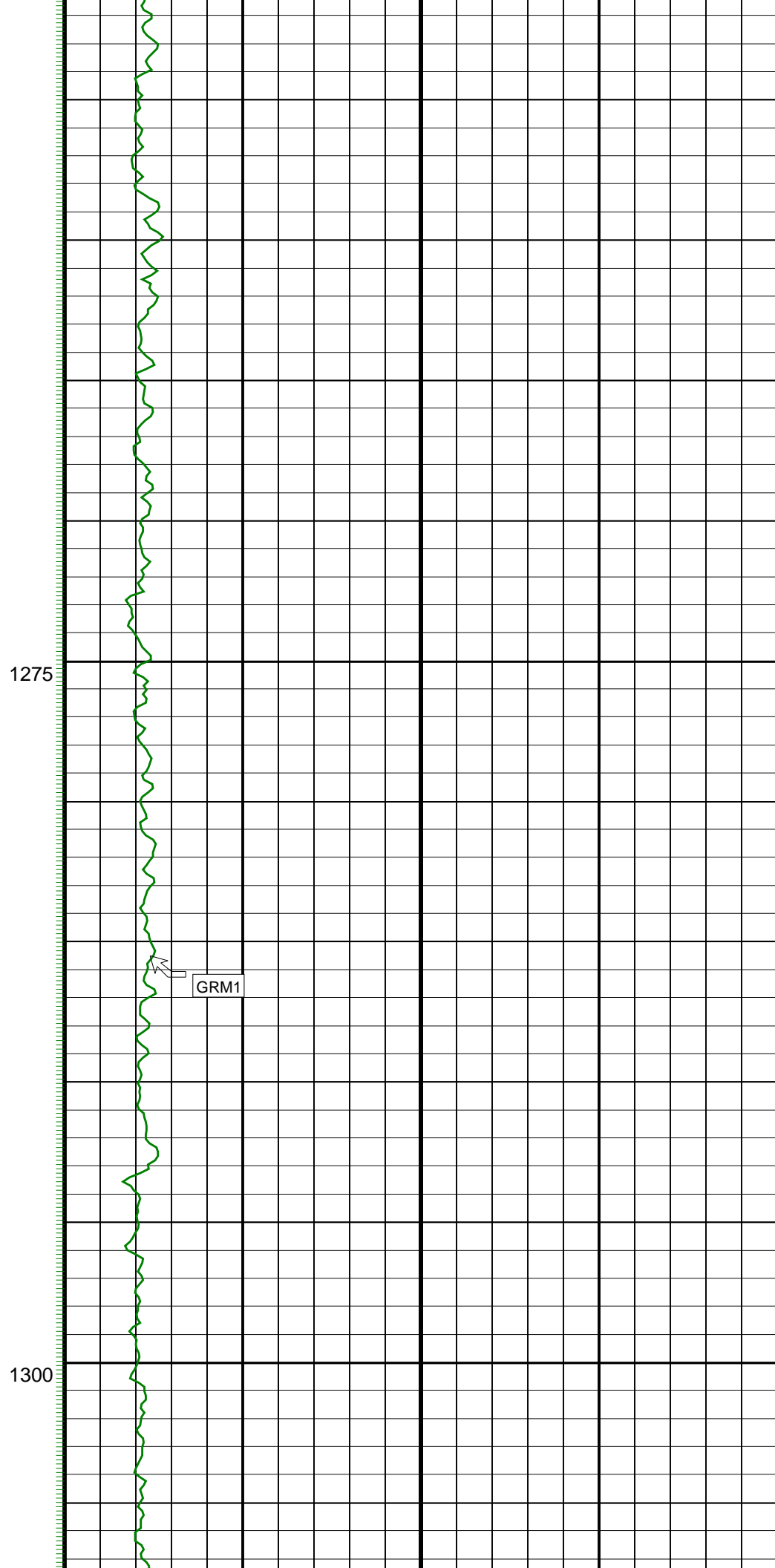
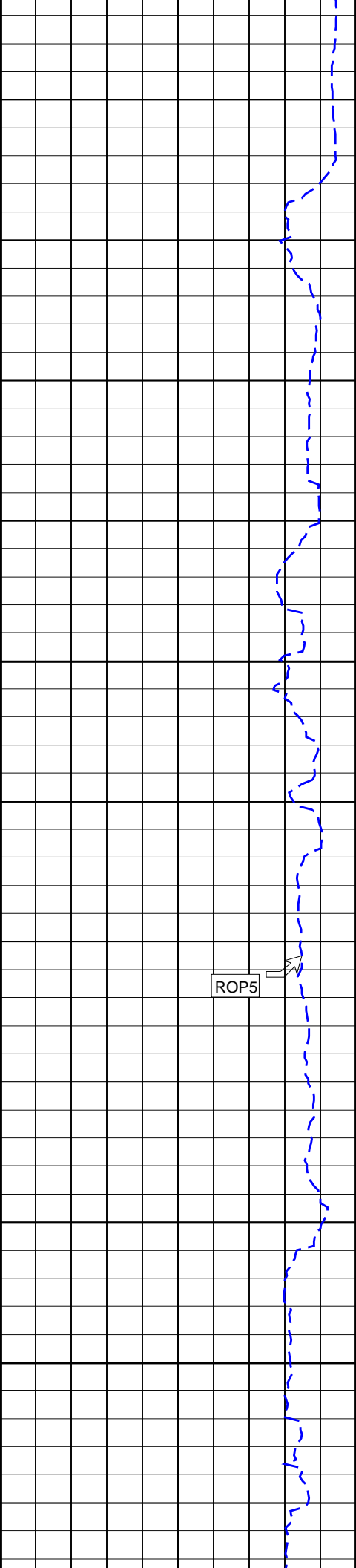


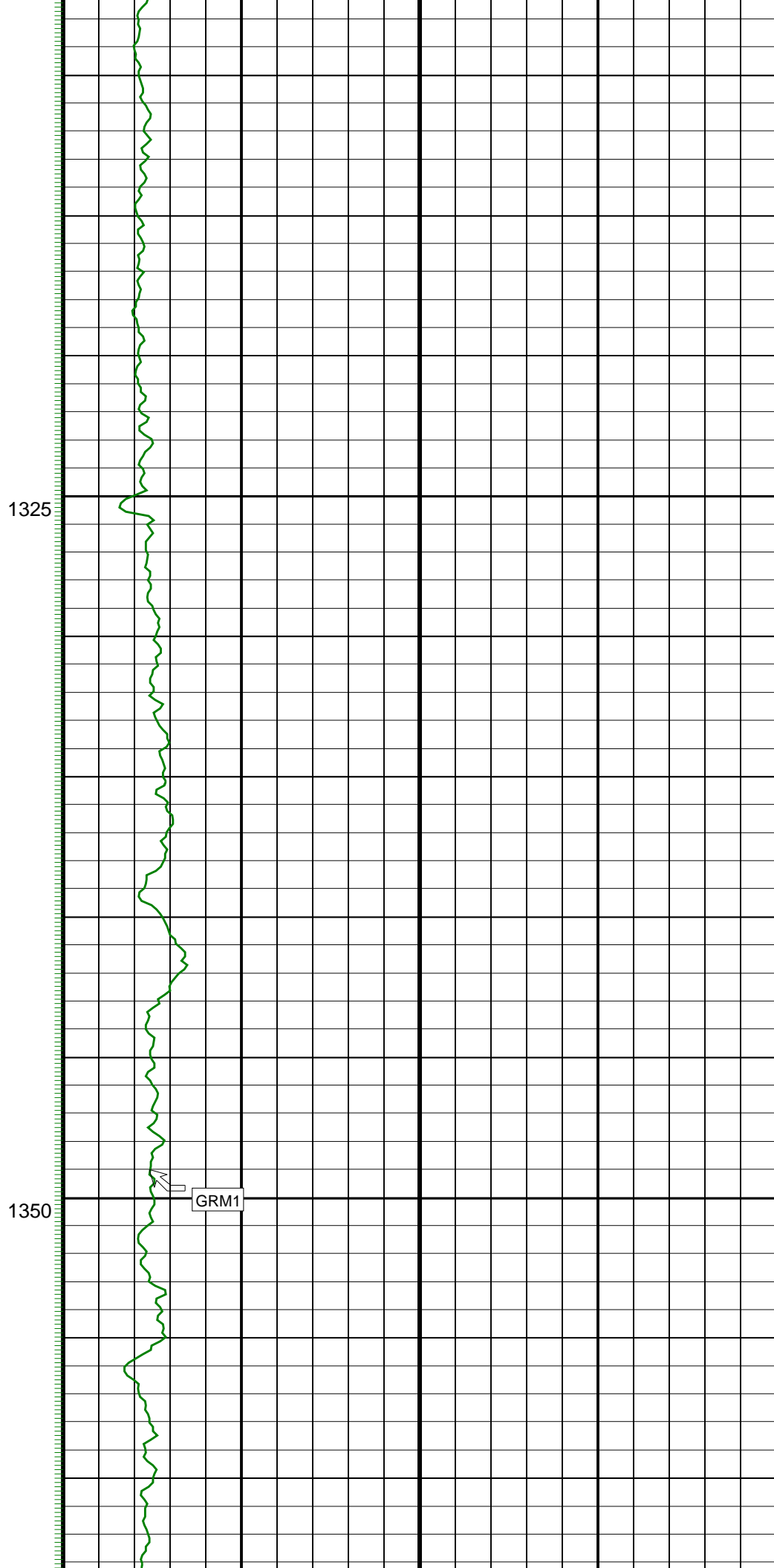
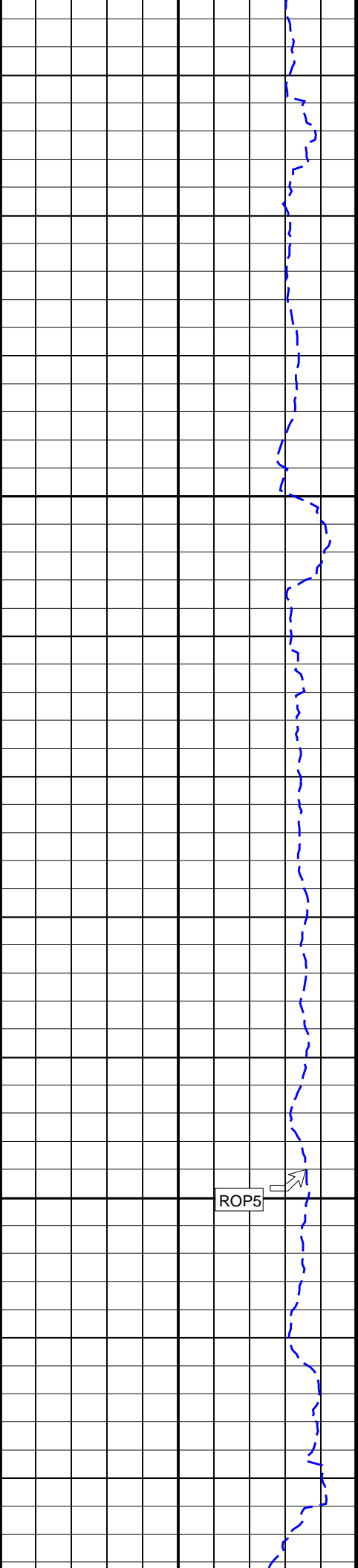


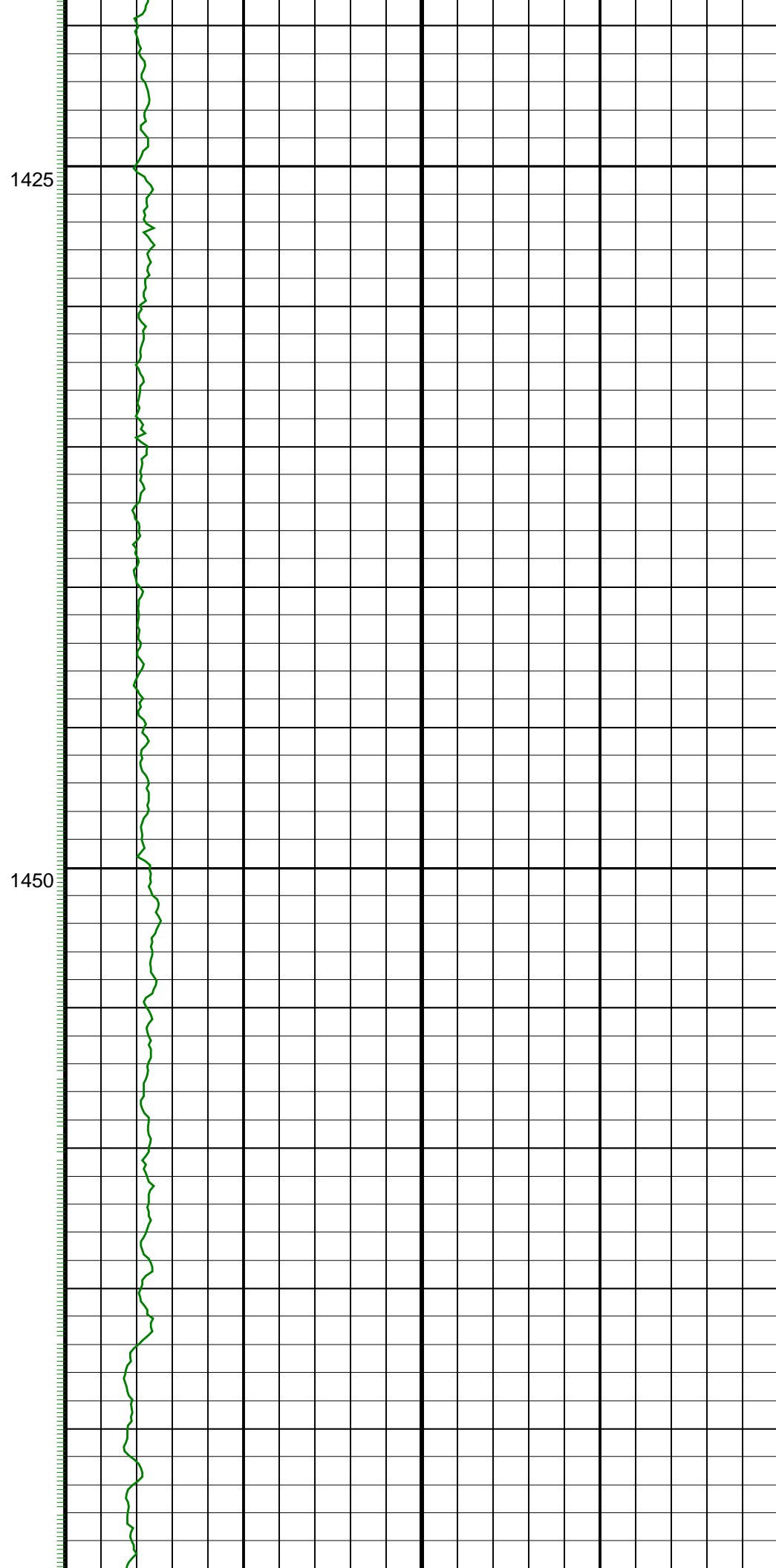
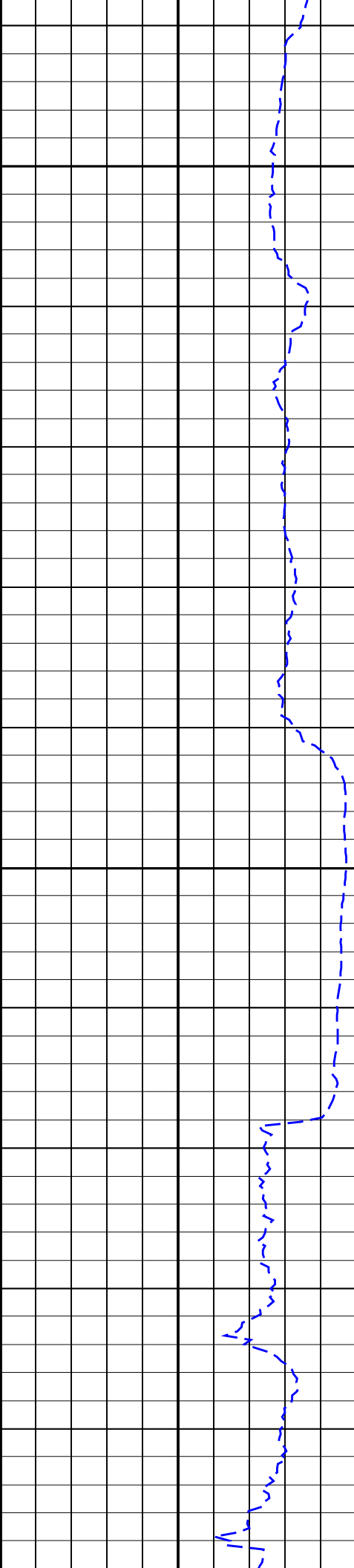


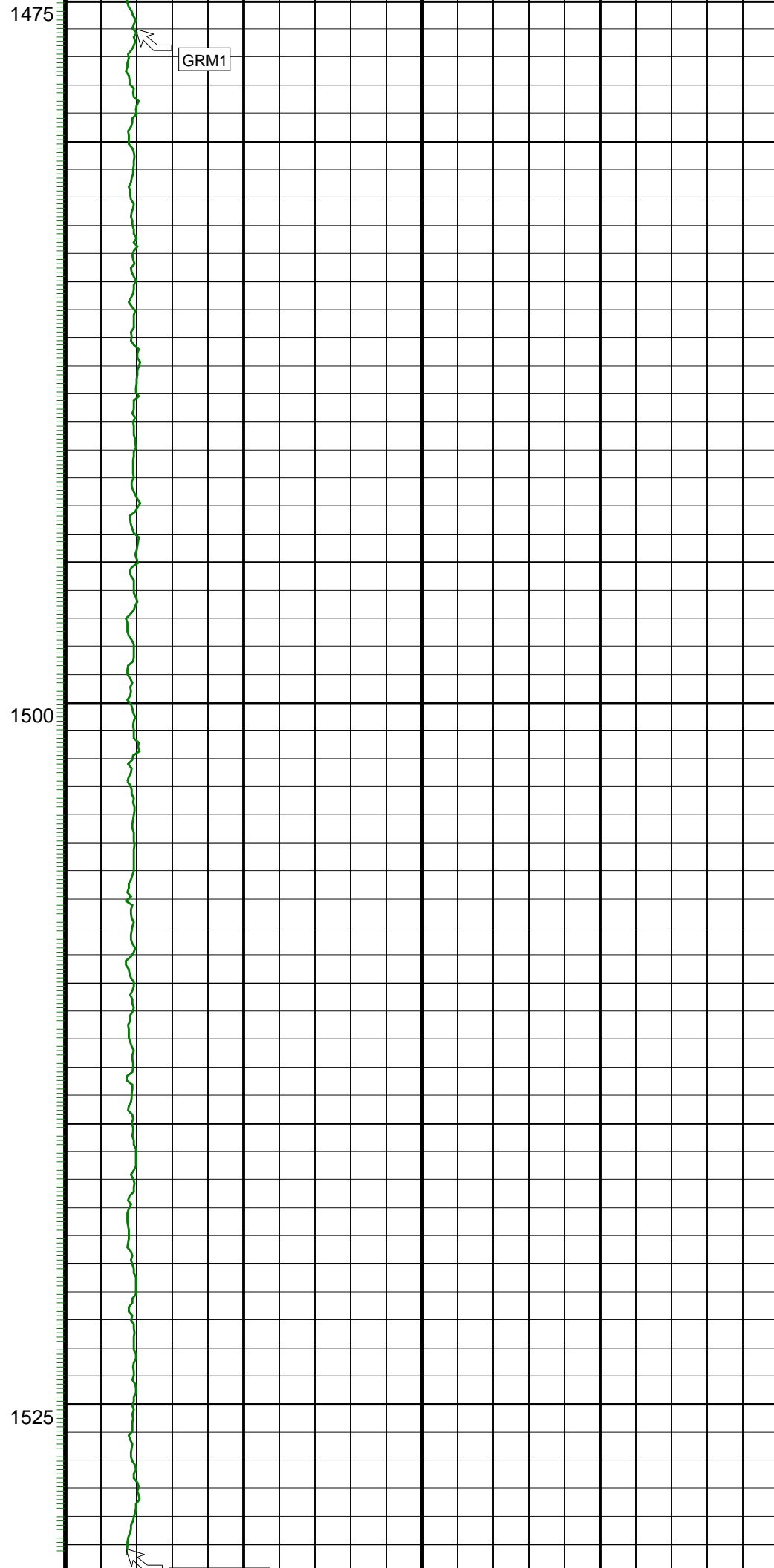
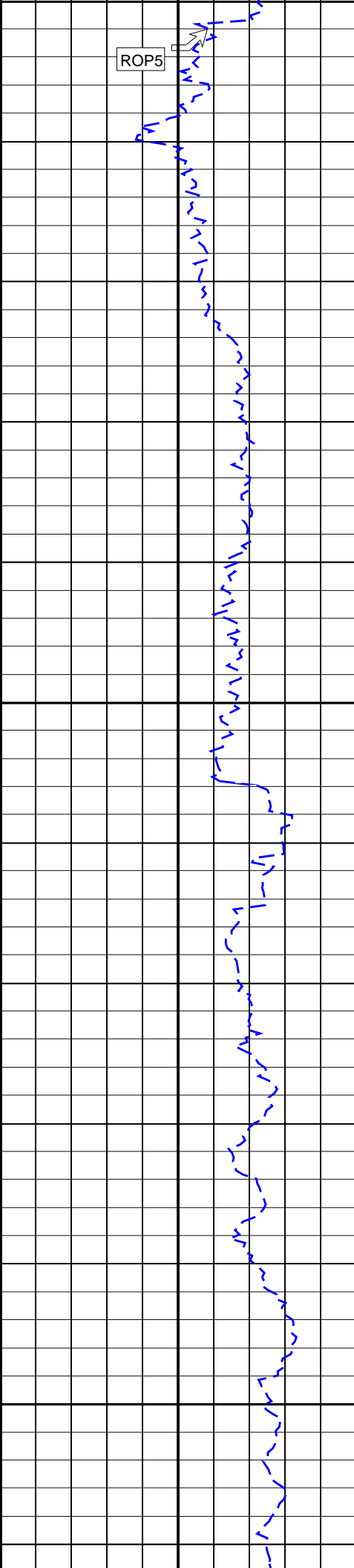


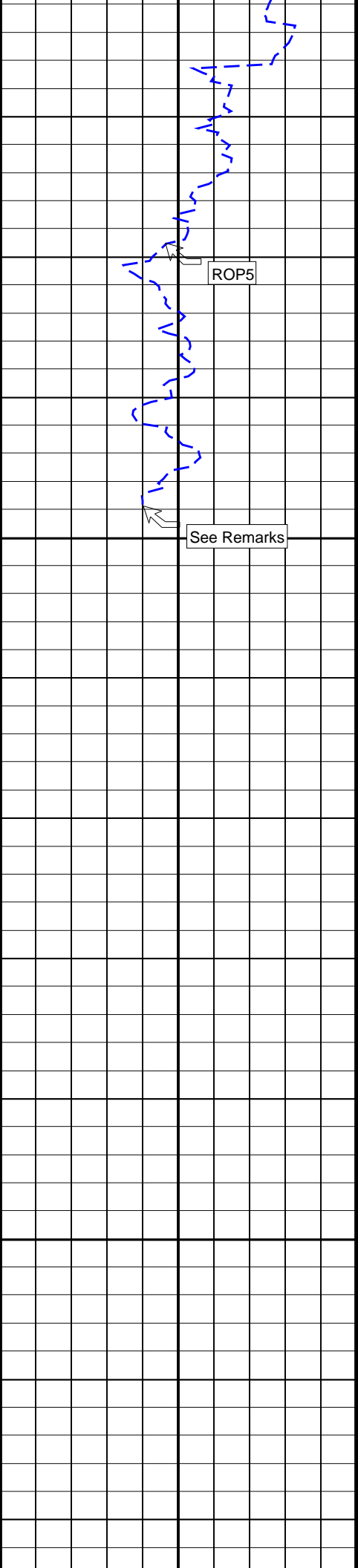






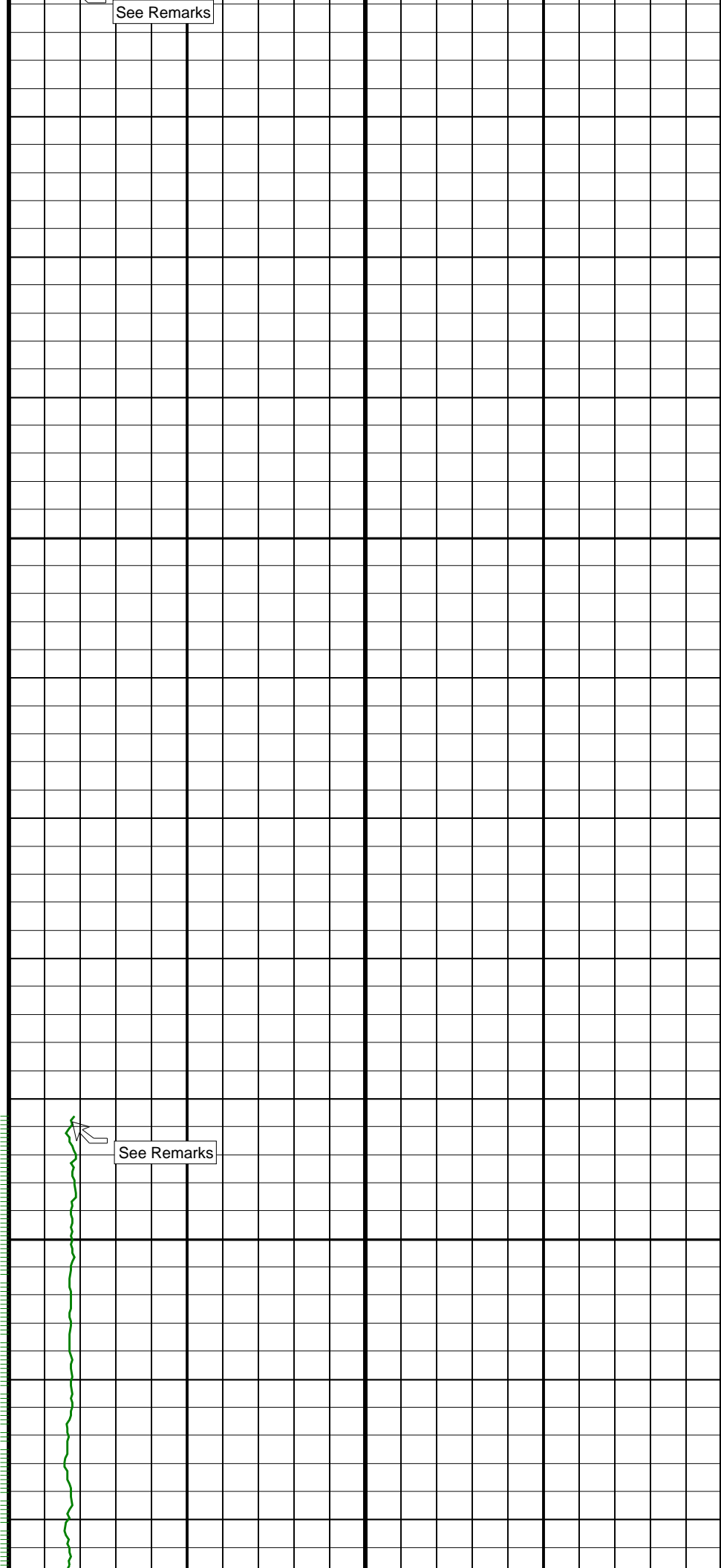






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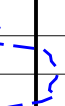
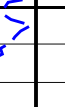
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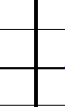
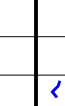
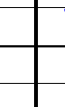


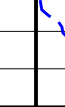
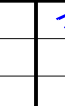


See Remarks

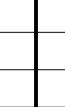
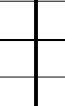


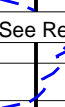



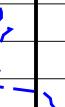





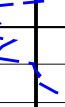
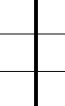
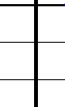






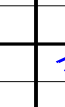



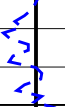
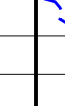


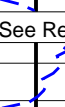


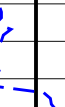





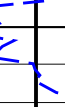
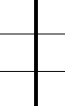
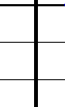


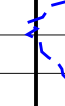
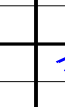




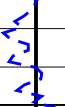
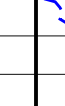



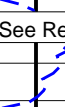


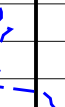





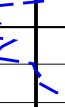
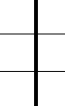
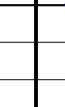


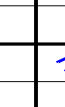




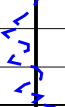
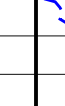



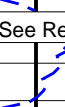


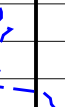





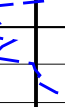
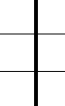
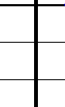


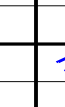




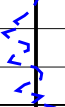
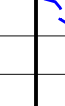



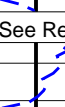


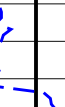





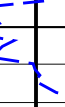
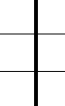
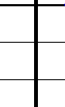


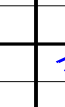




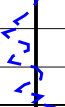
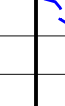



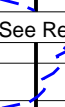


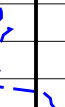





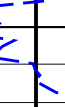
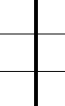
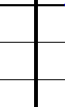


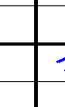




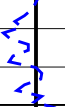
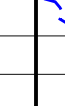



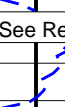


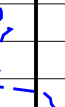





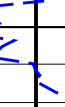
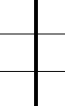
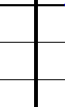


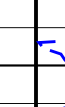



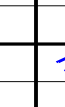




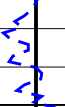
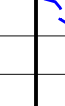



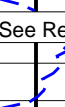


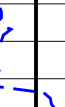





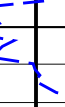
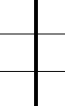
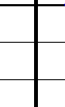





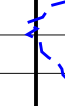
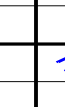




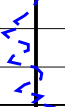
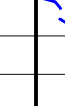



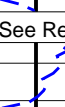


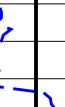





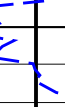
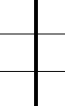
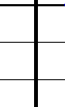


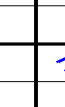




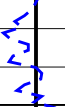
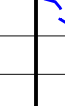



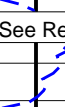


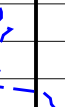





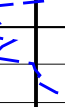
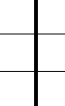
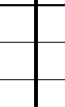


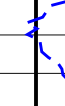
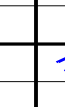




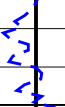
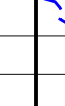



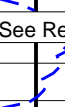


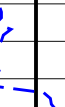





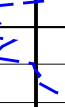
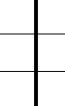
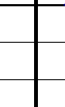


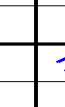




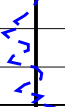
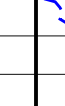
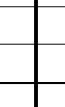



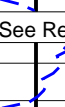


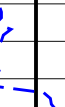





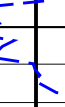
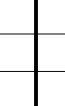
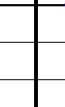


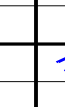





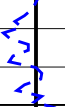
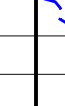


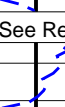


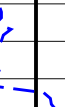





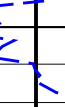
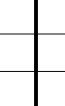
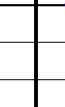


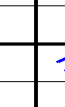




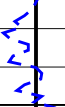
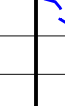



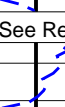


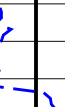





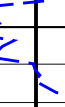
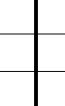
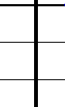


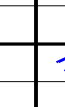




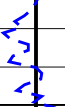
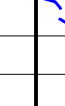



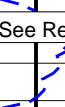


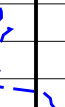





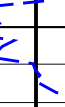
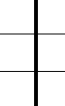
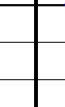


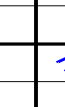




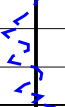
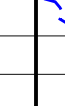



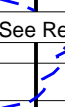


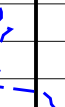





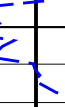
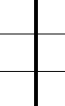
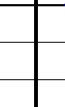


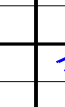




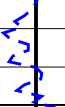
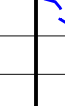



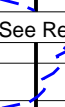


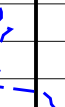





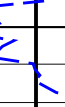
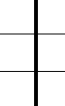
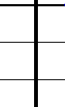


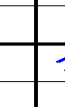




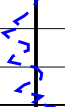
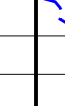
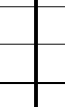



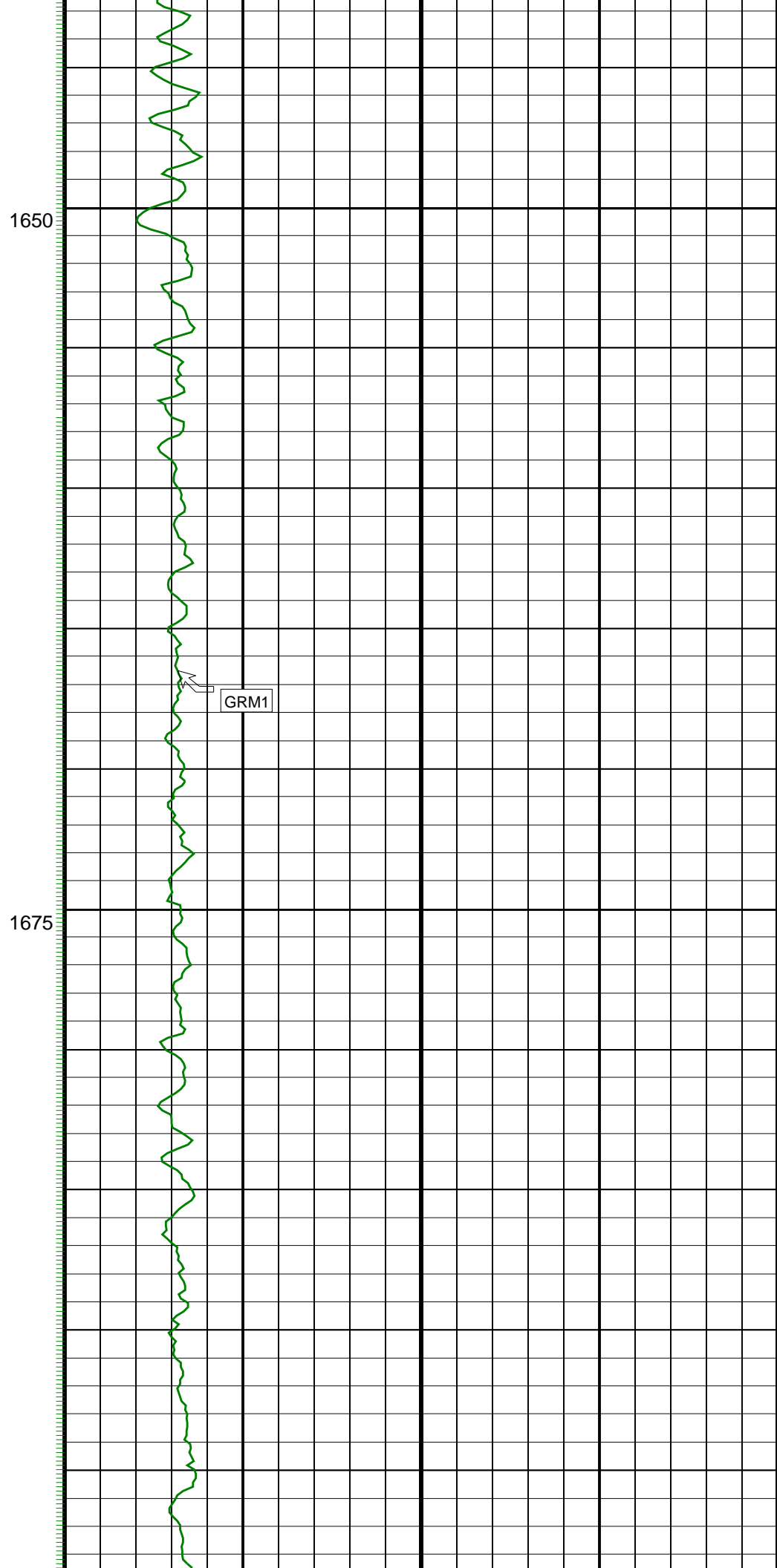
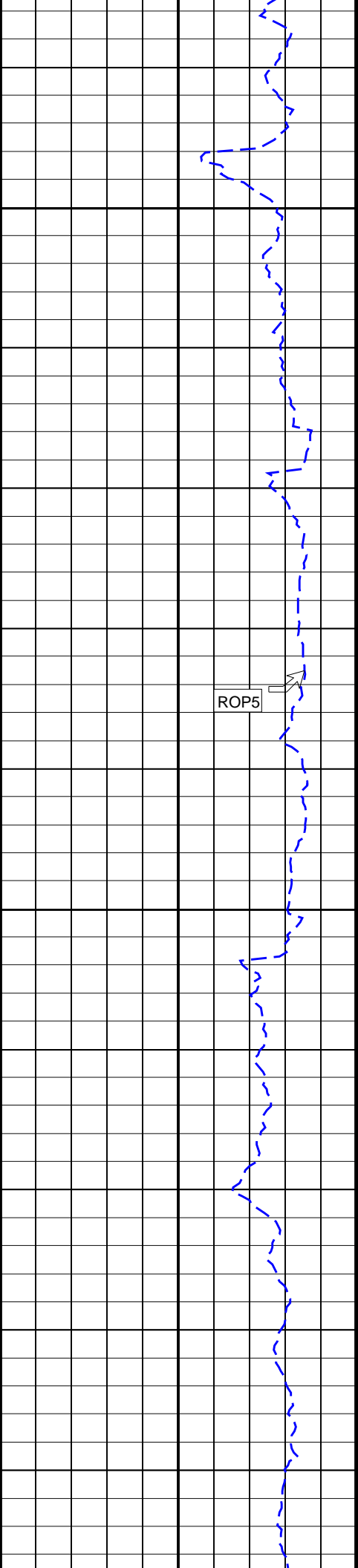


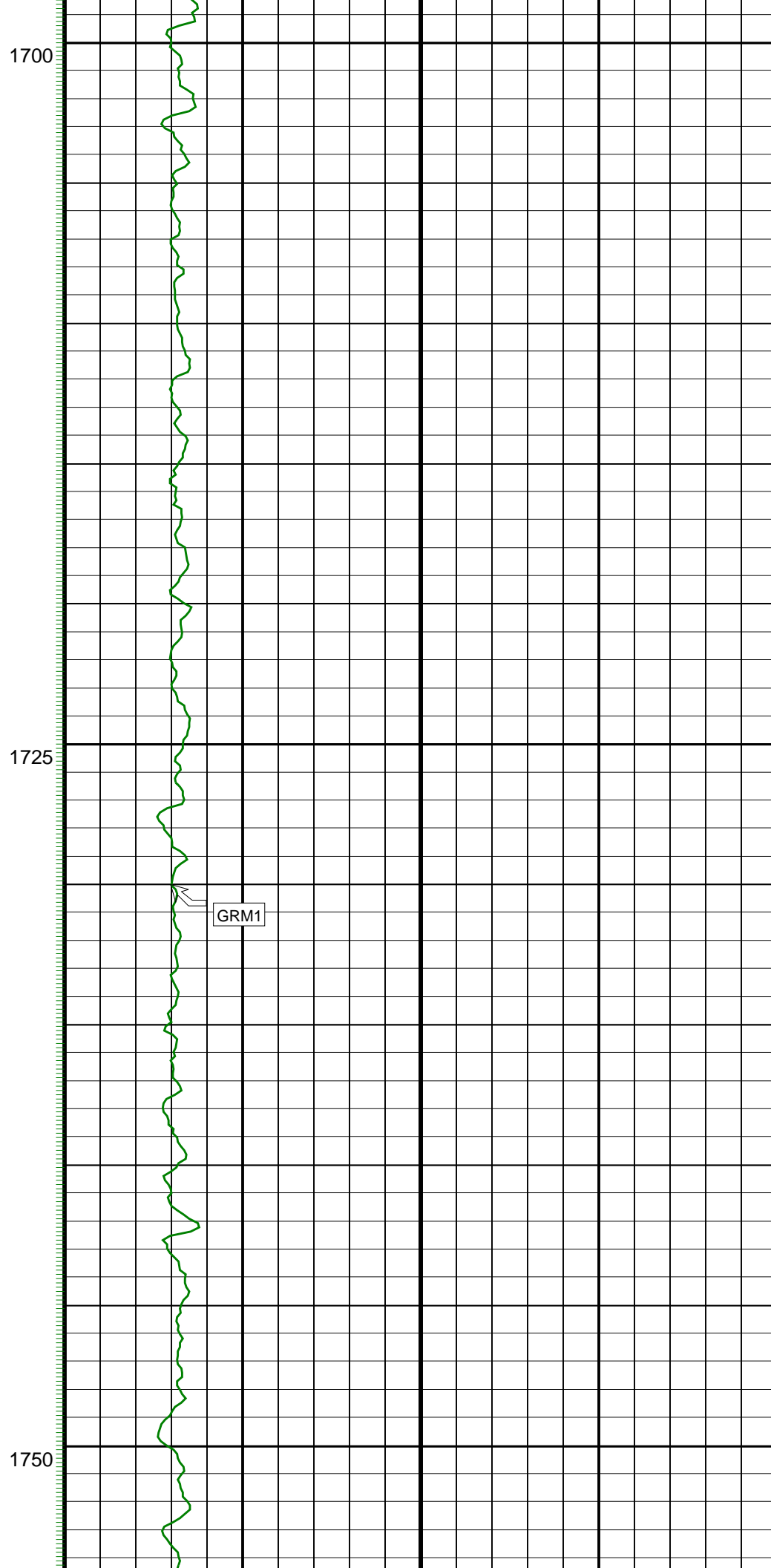
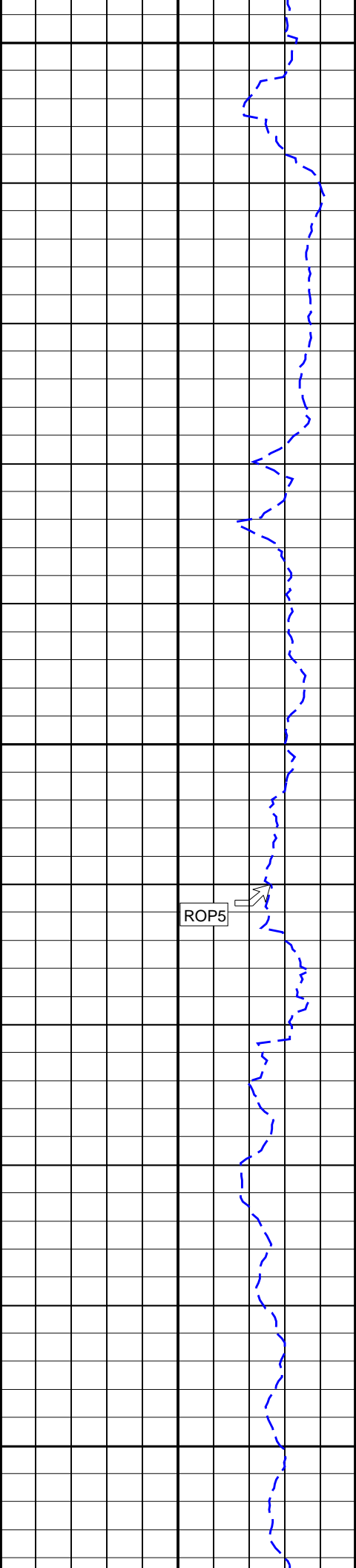





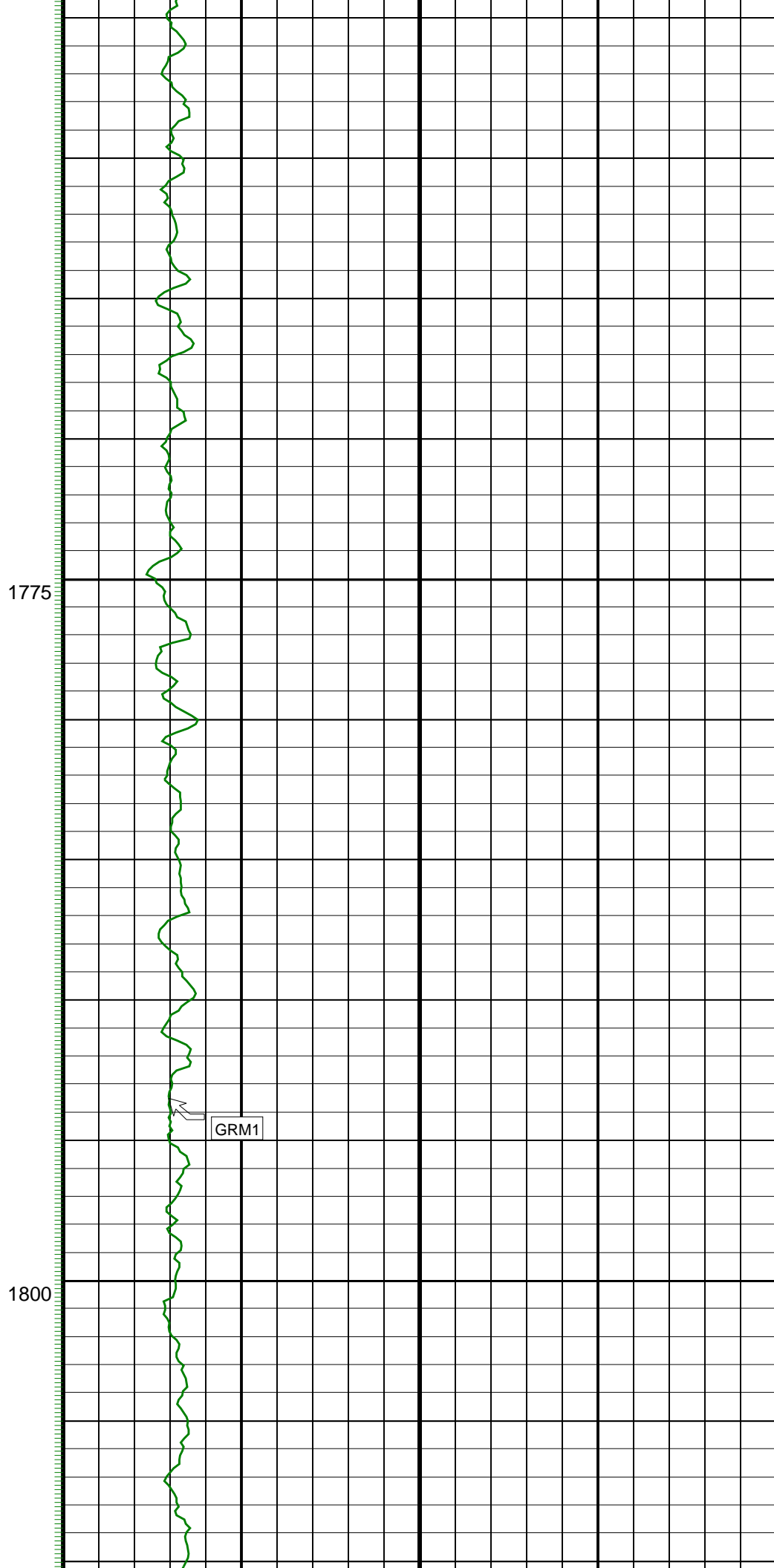
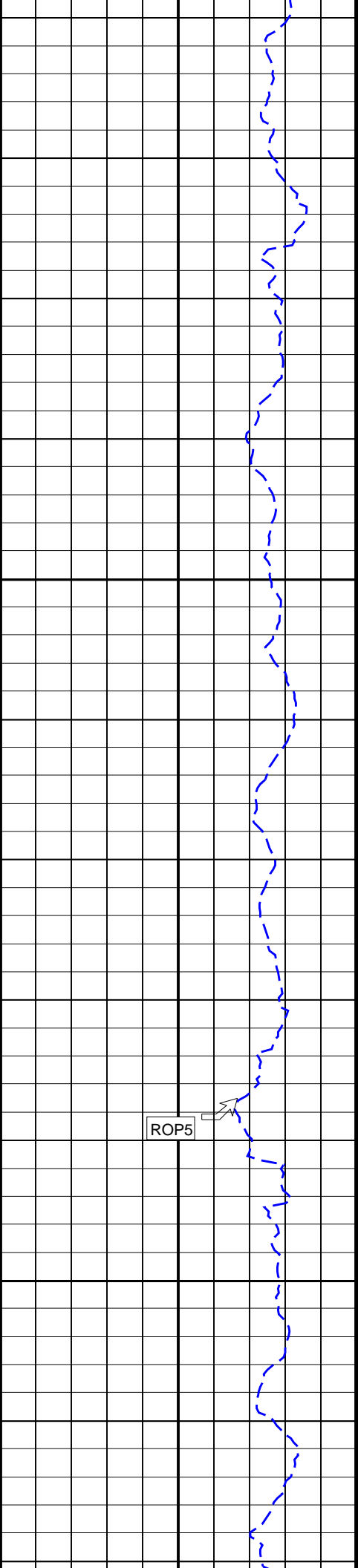


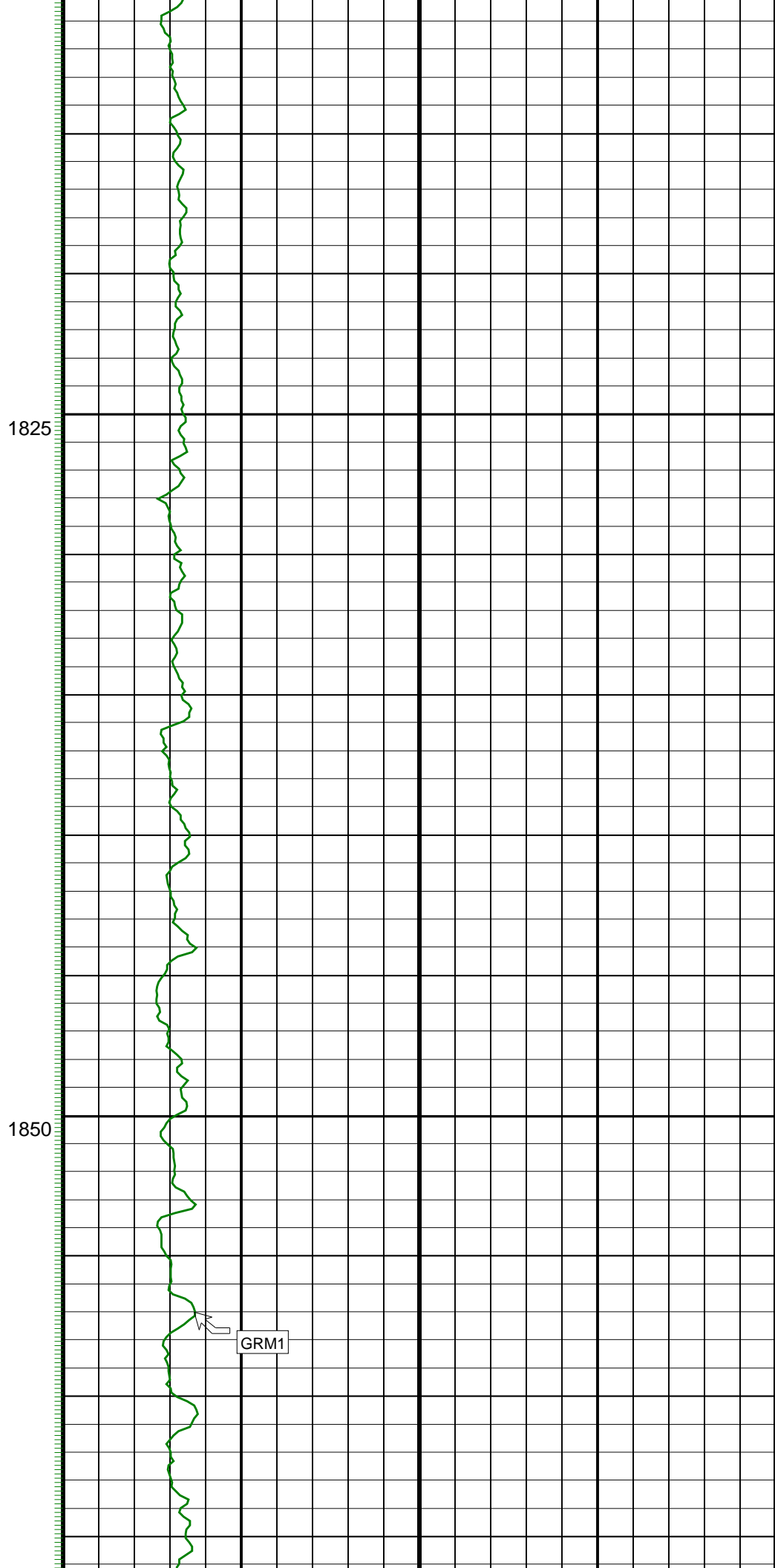
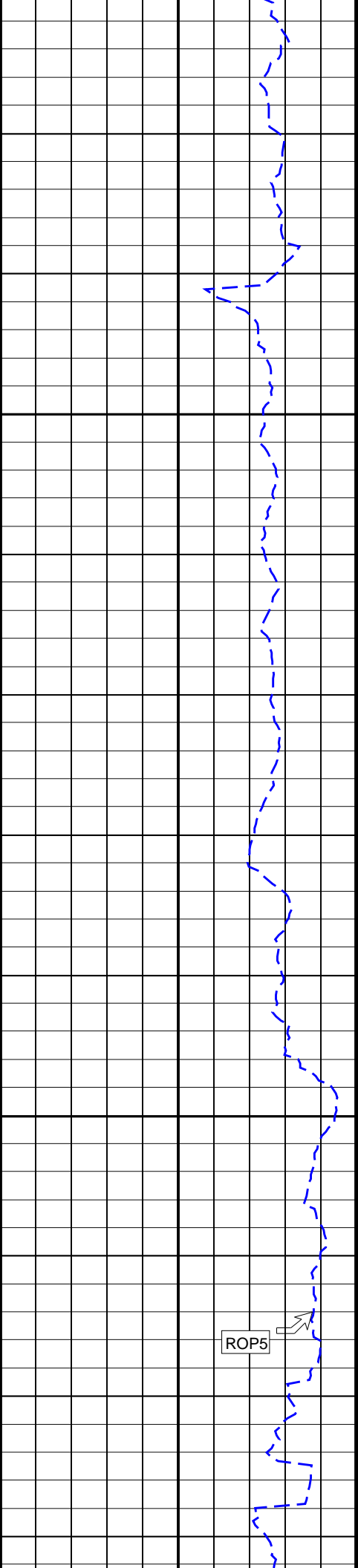



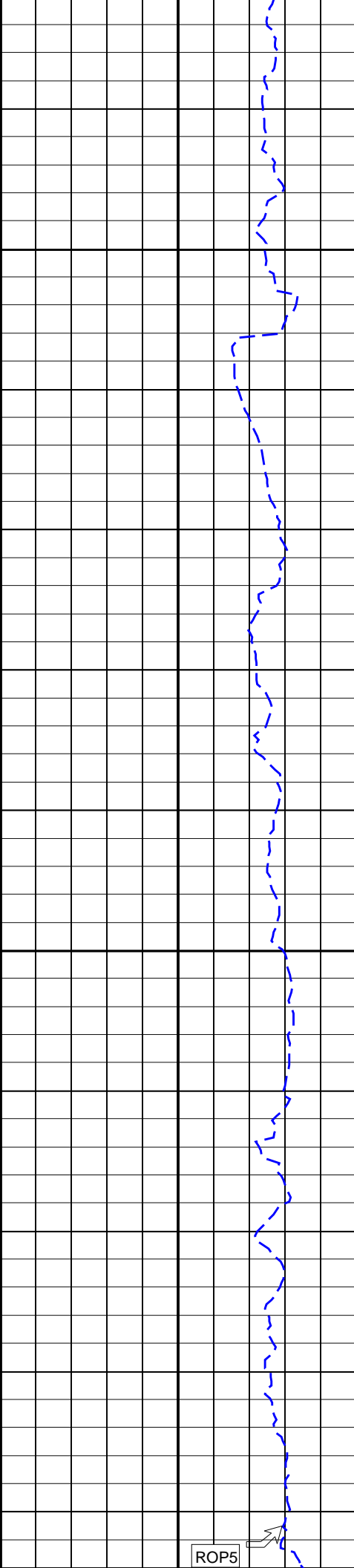







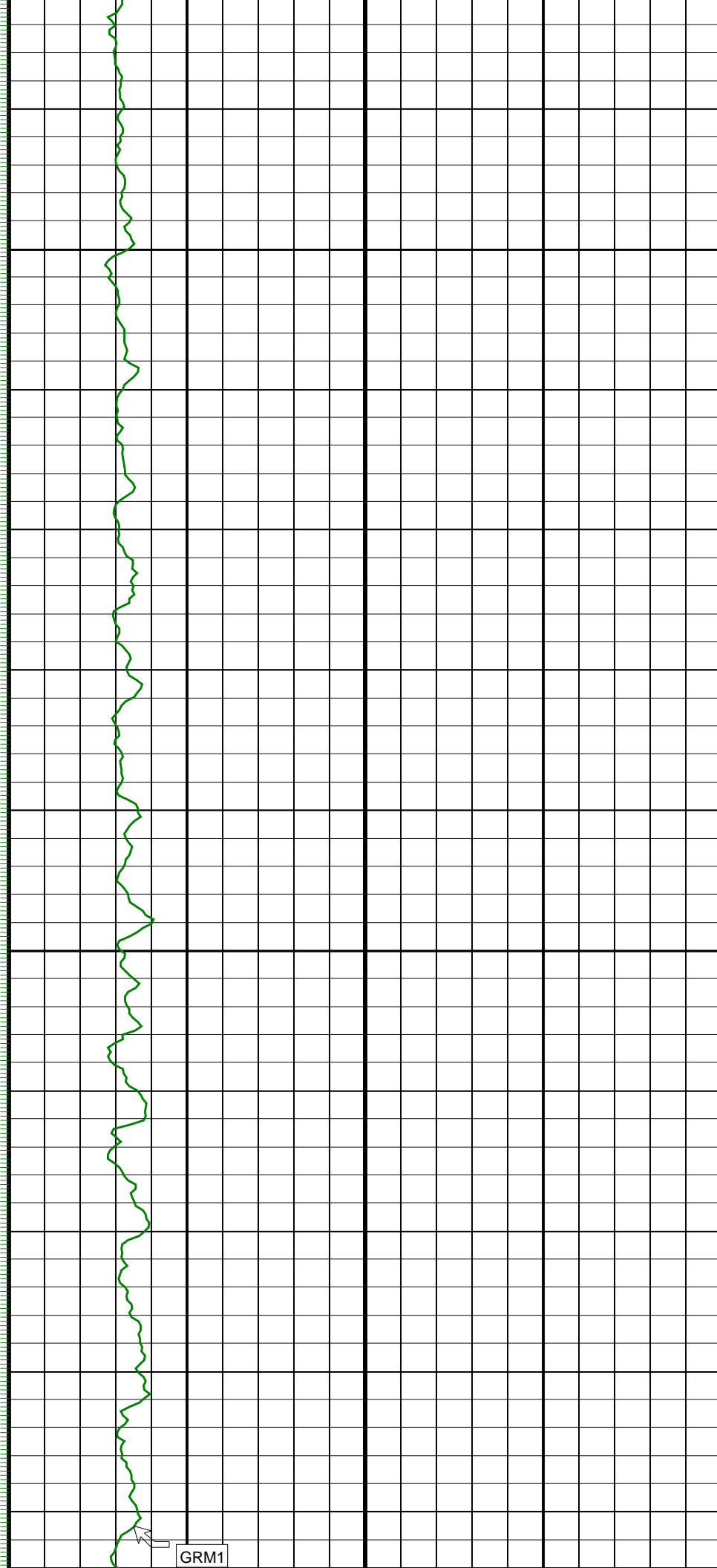


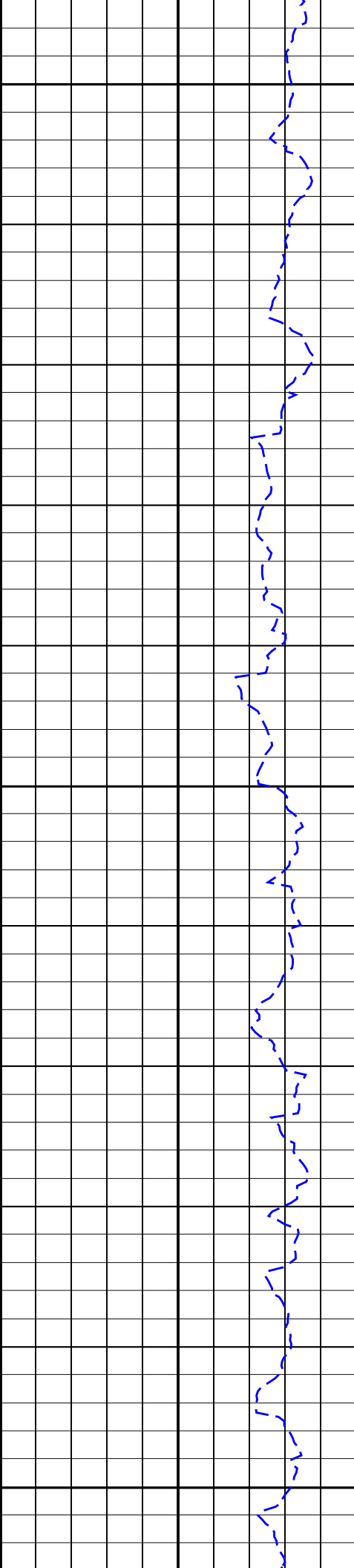




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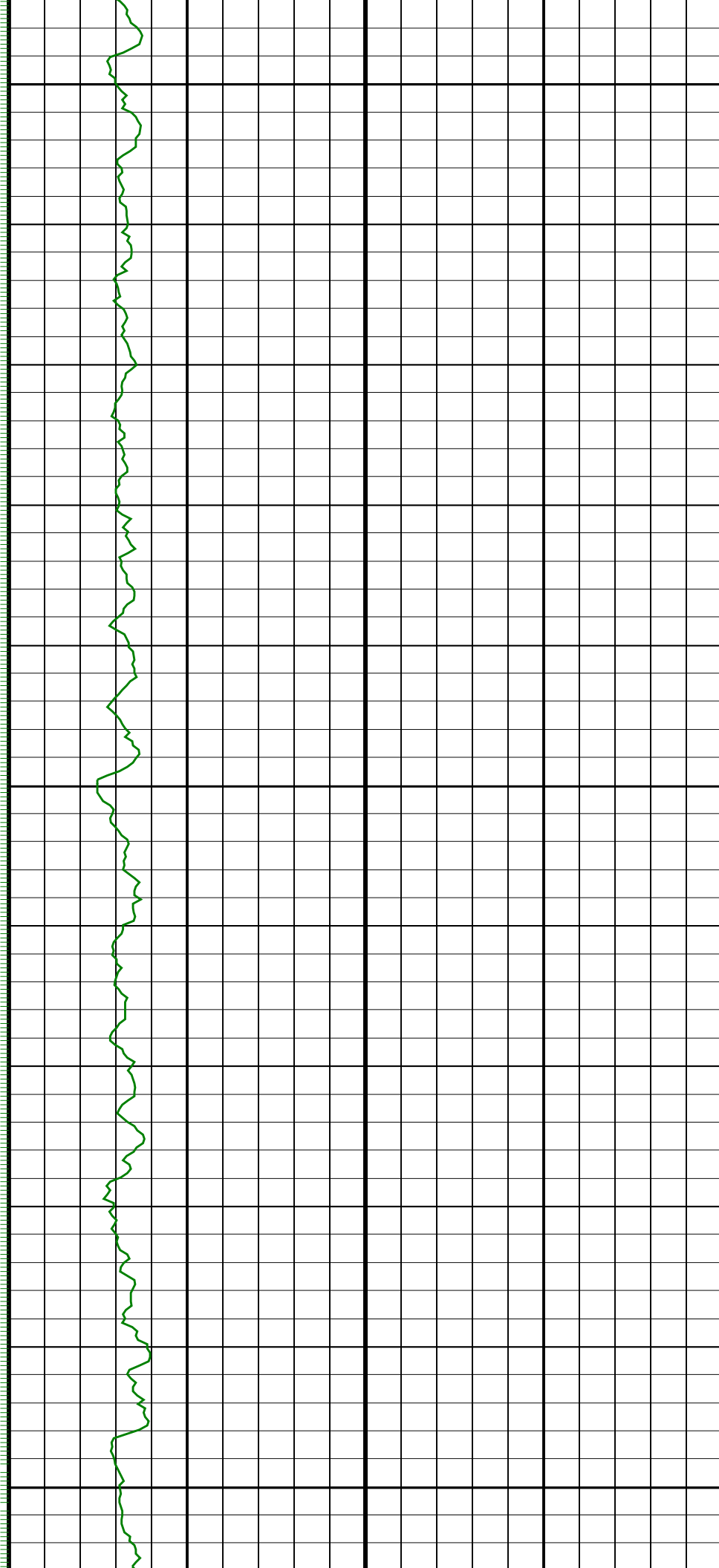


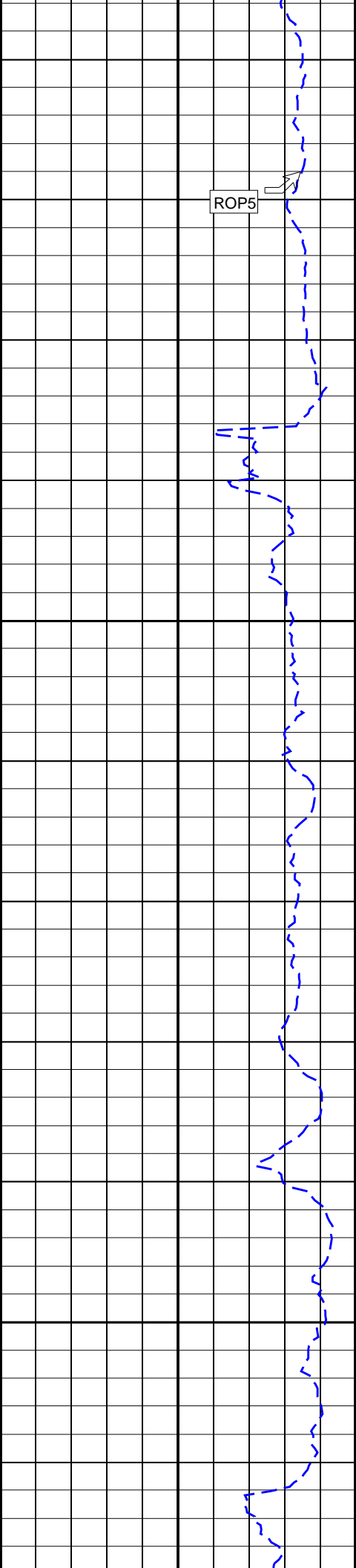


1925

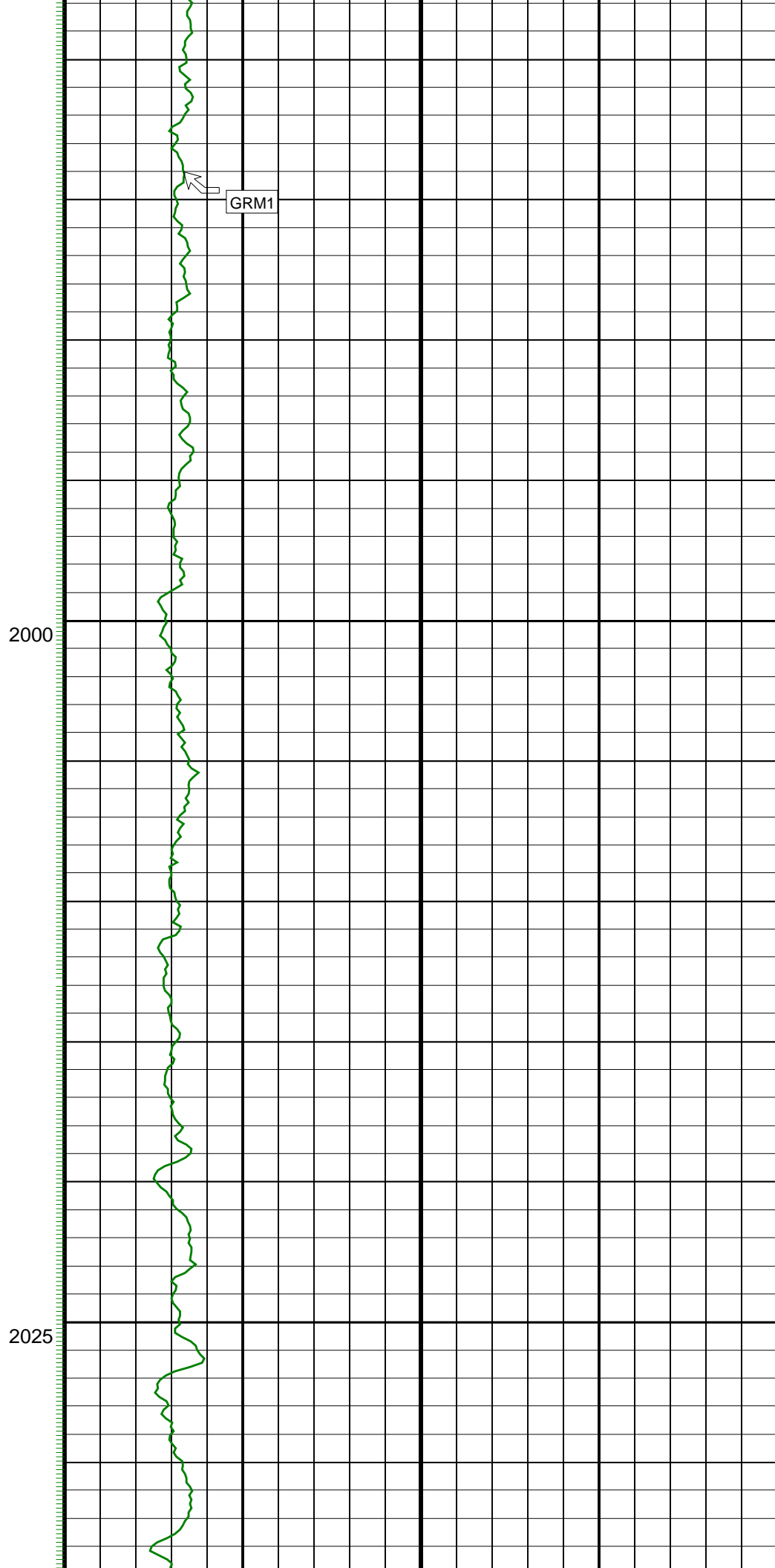
1950

1975





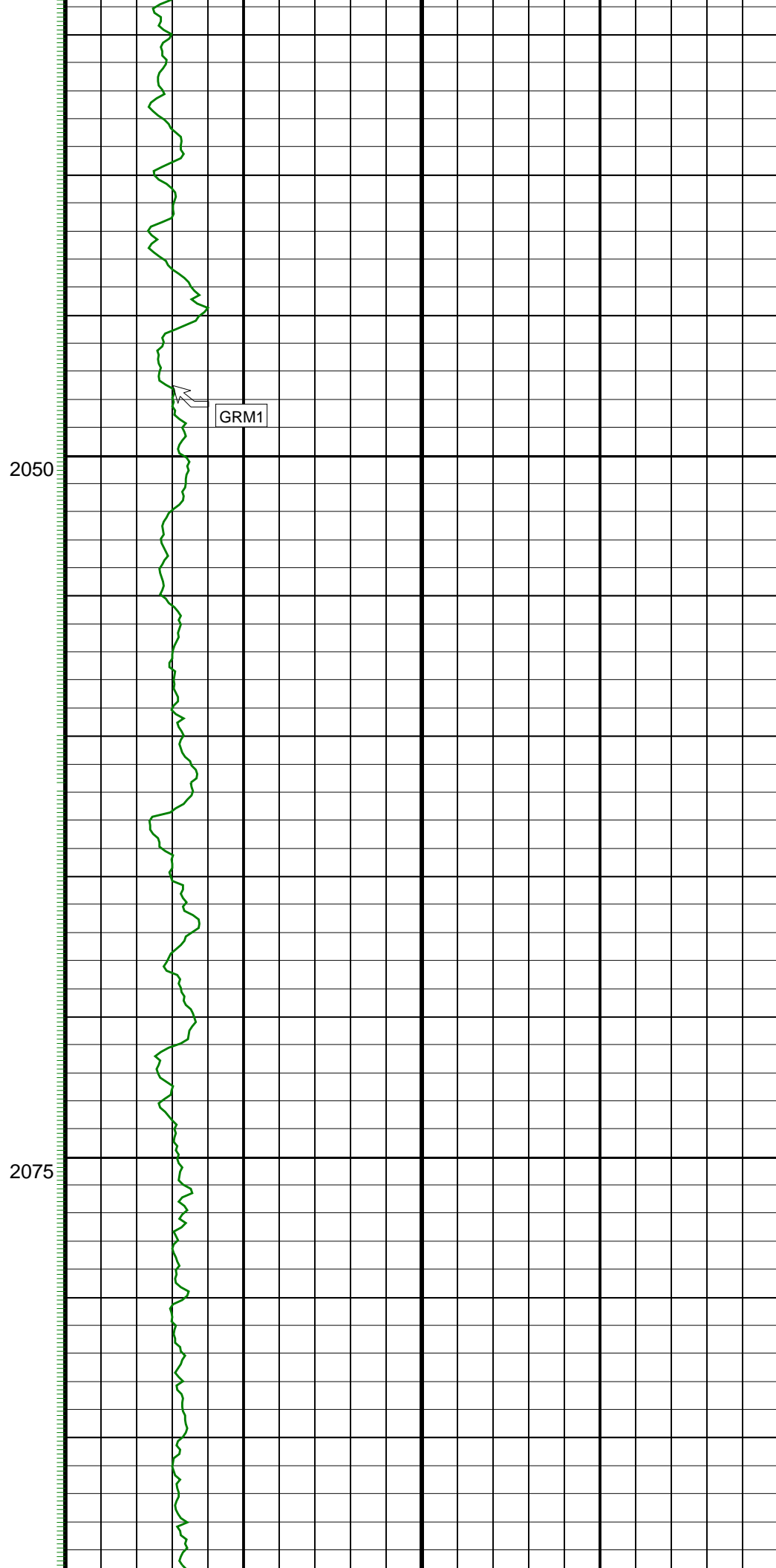
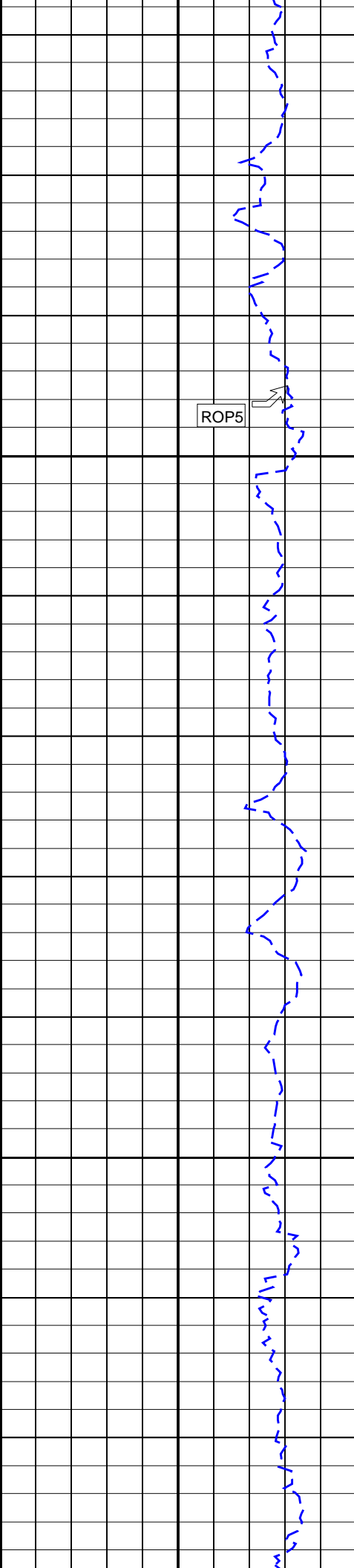
ROP5



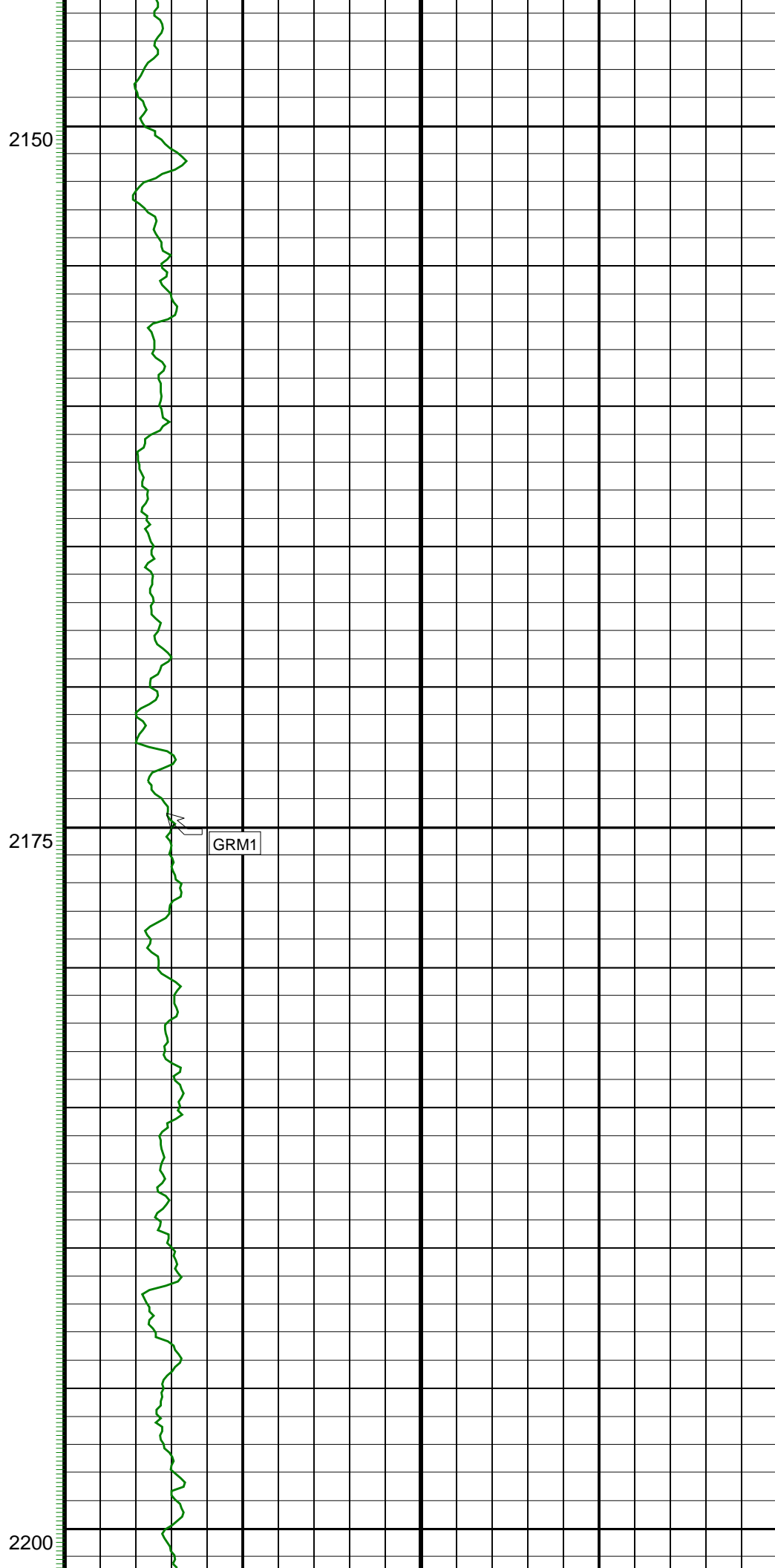
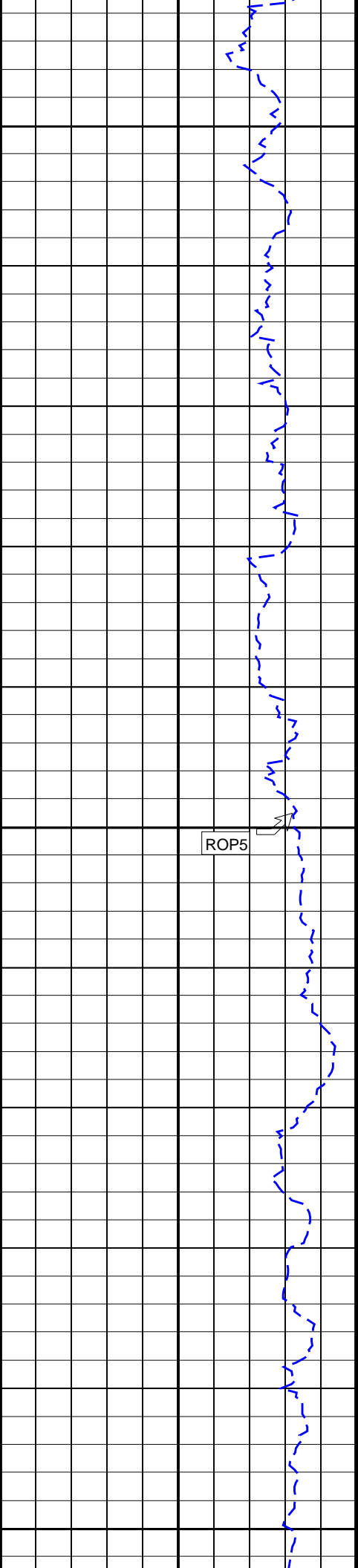
GRM1

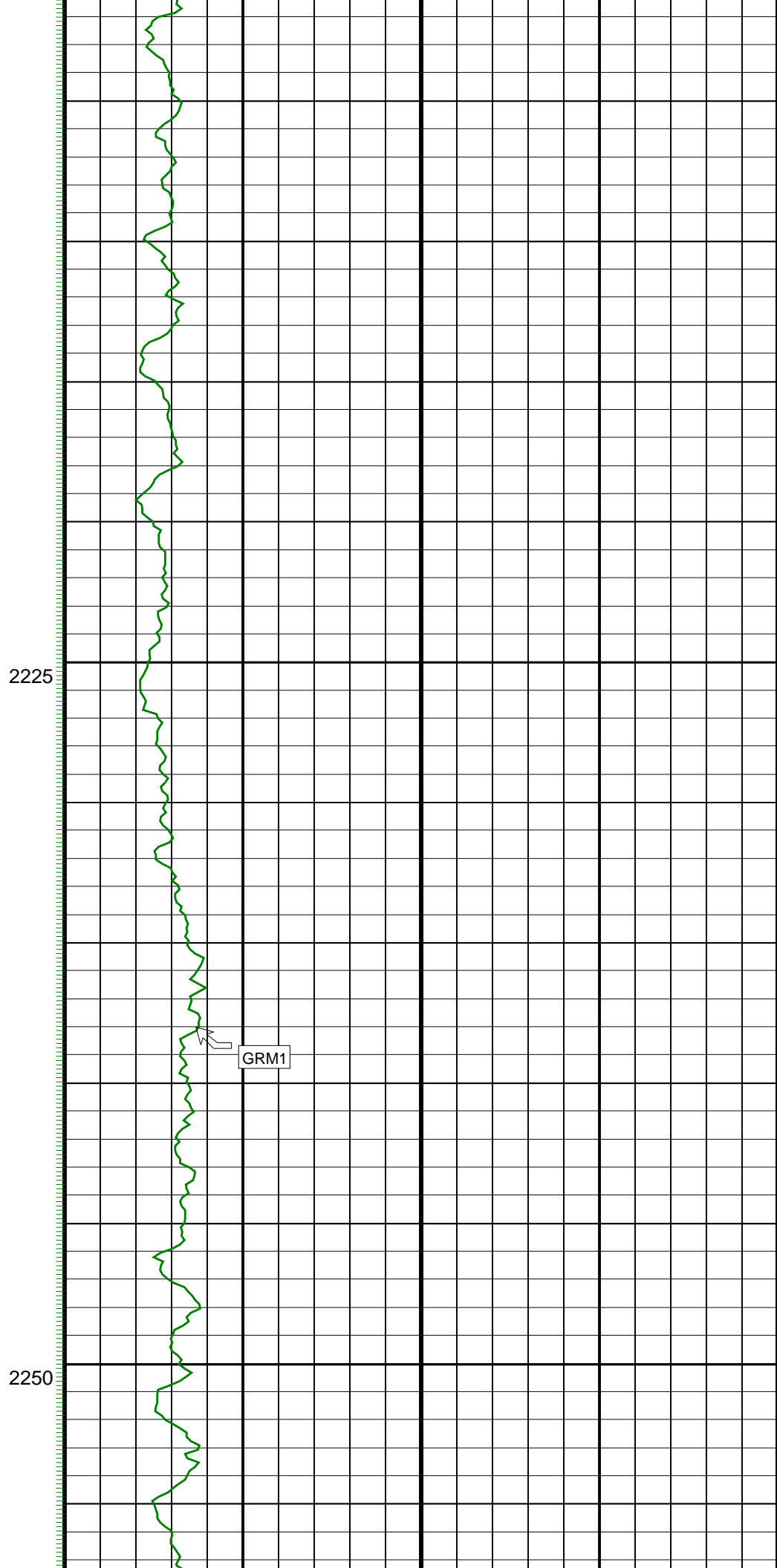
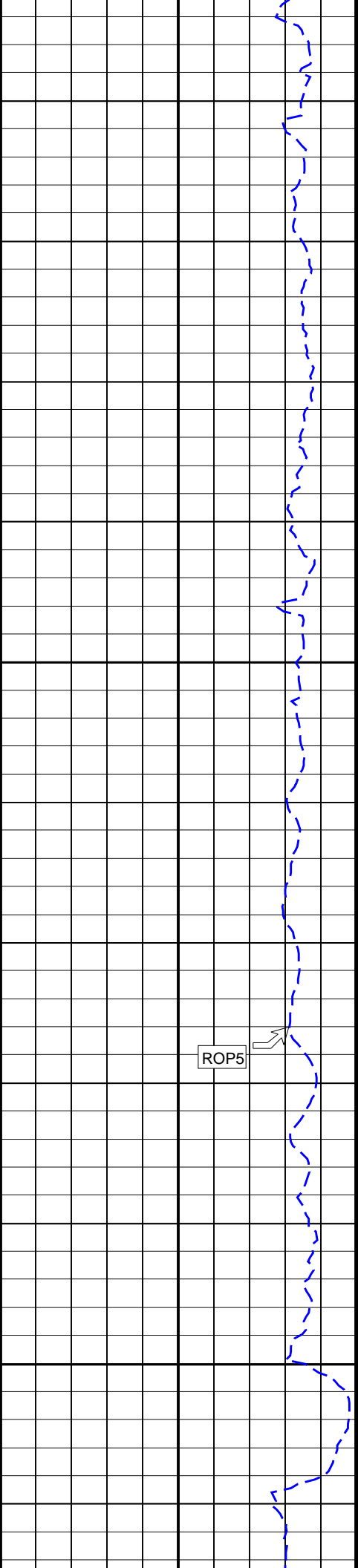
2000

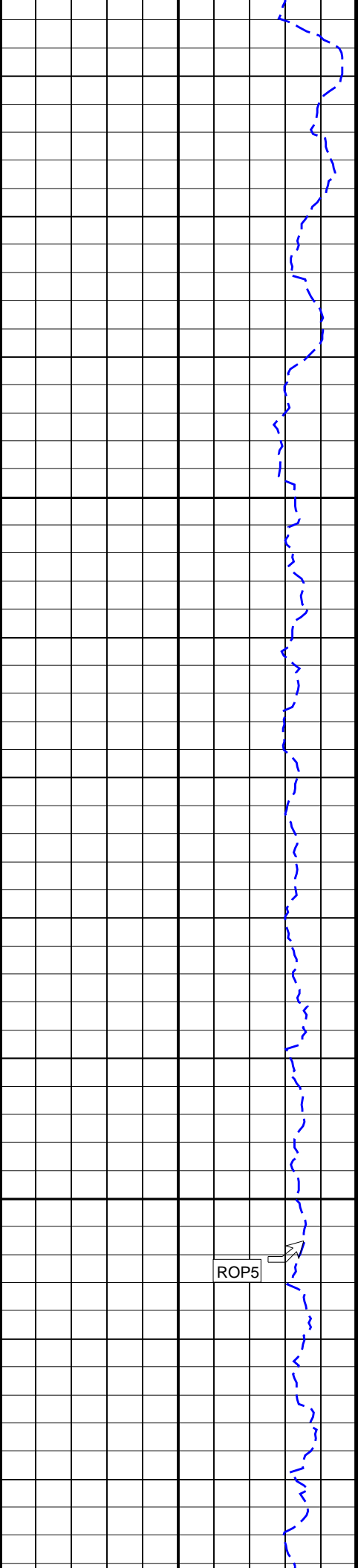
2025







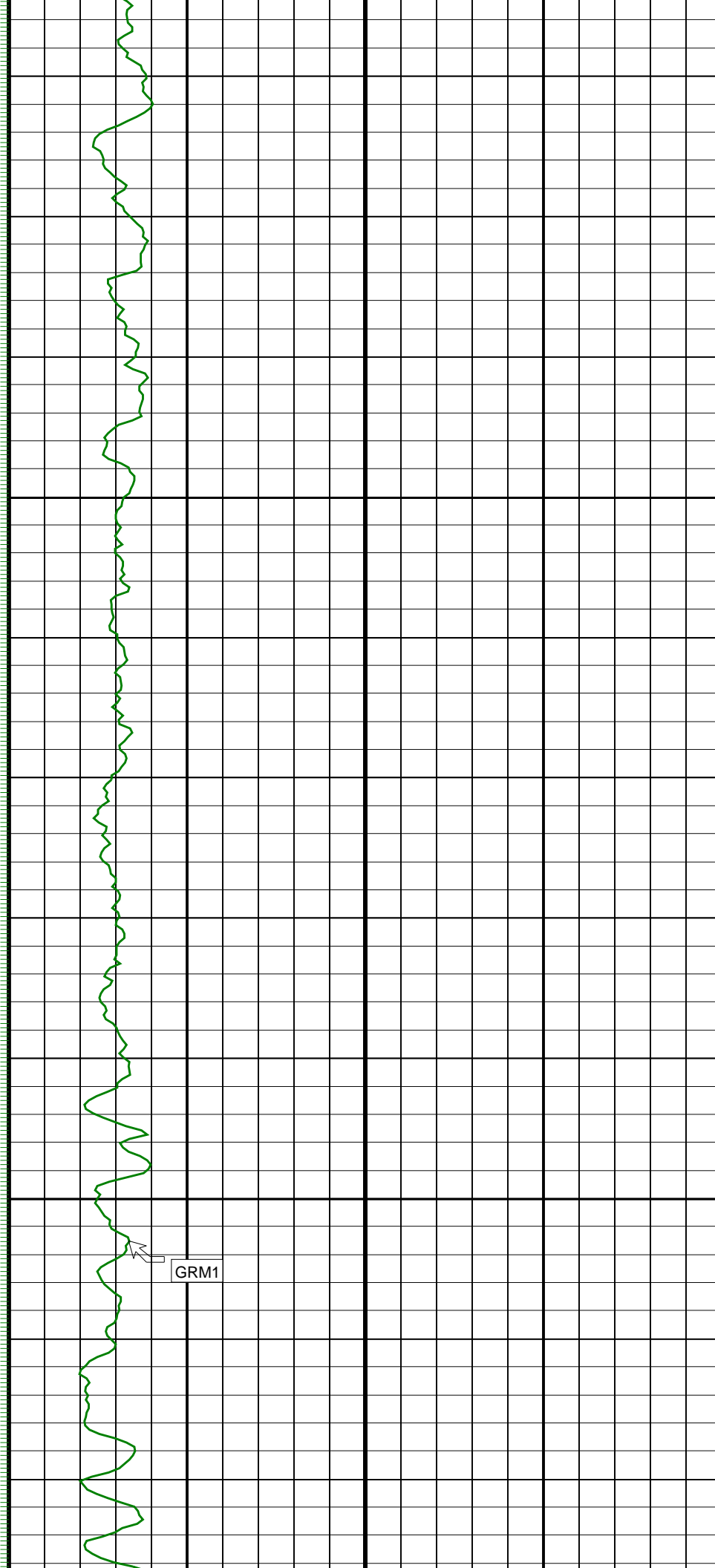




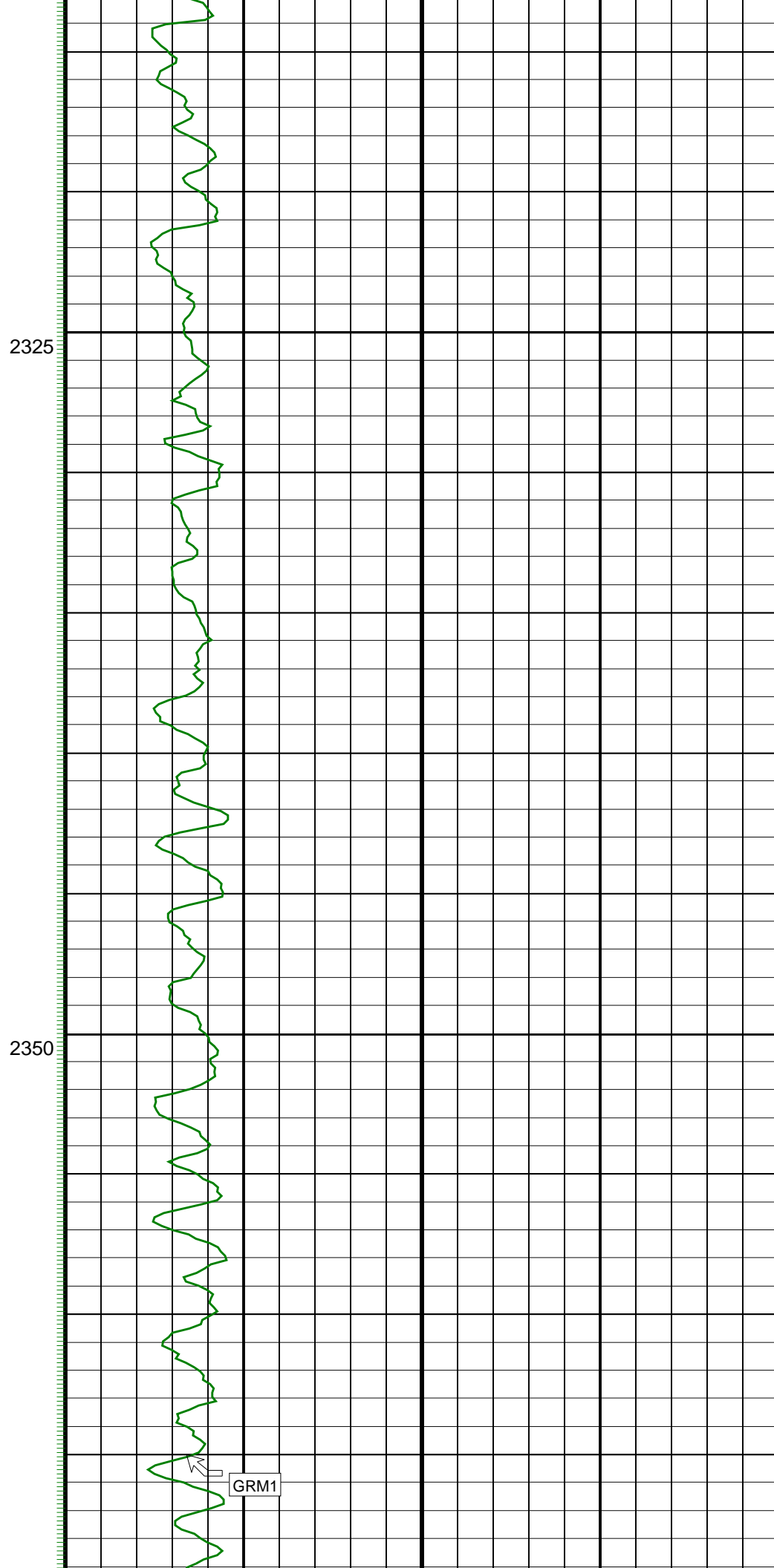
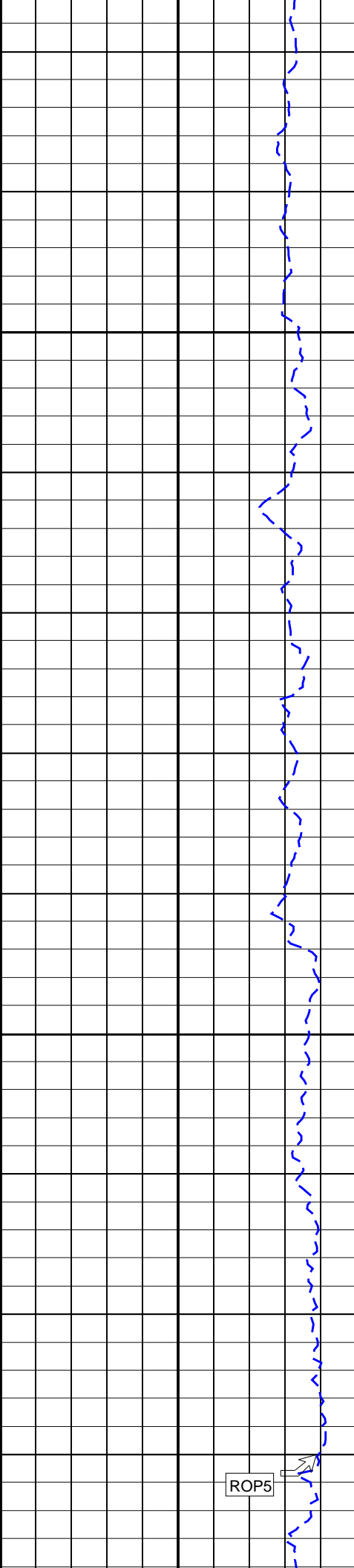
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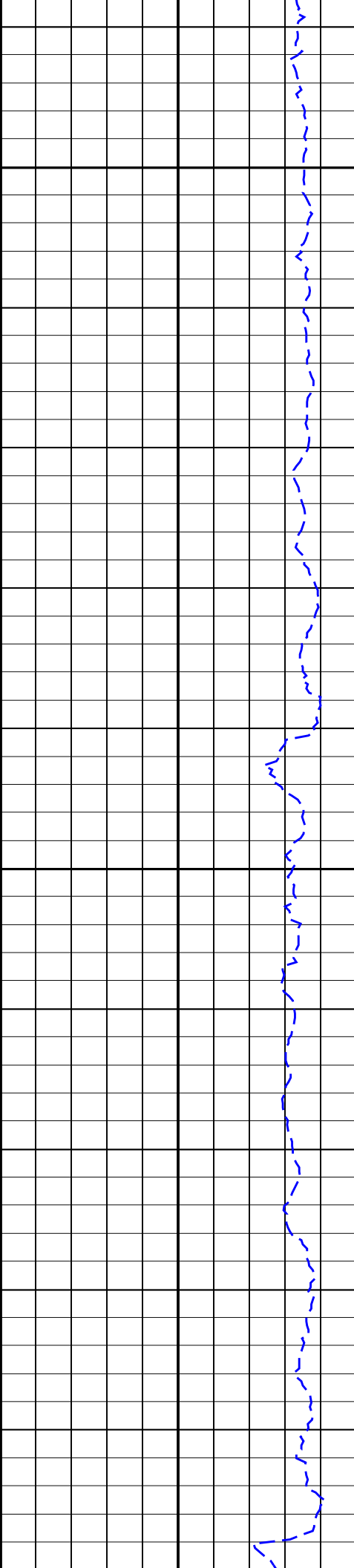
2275

2300



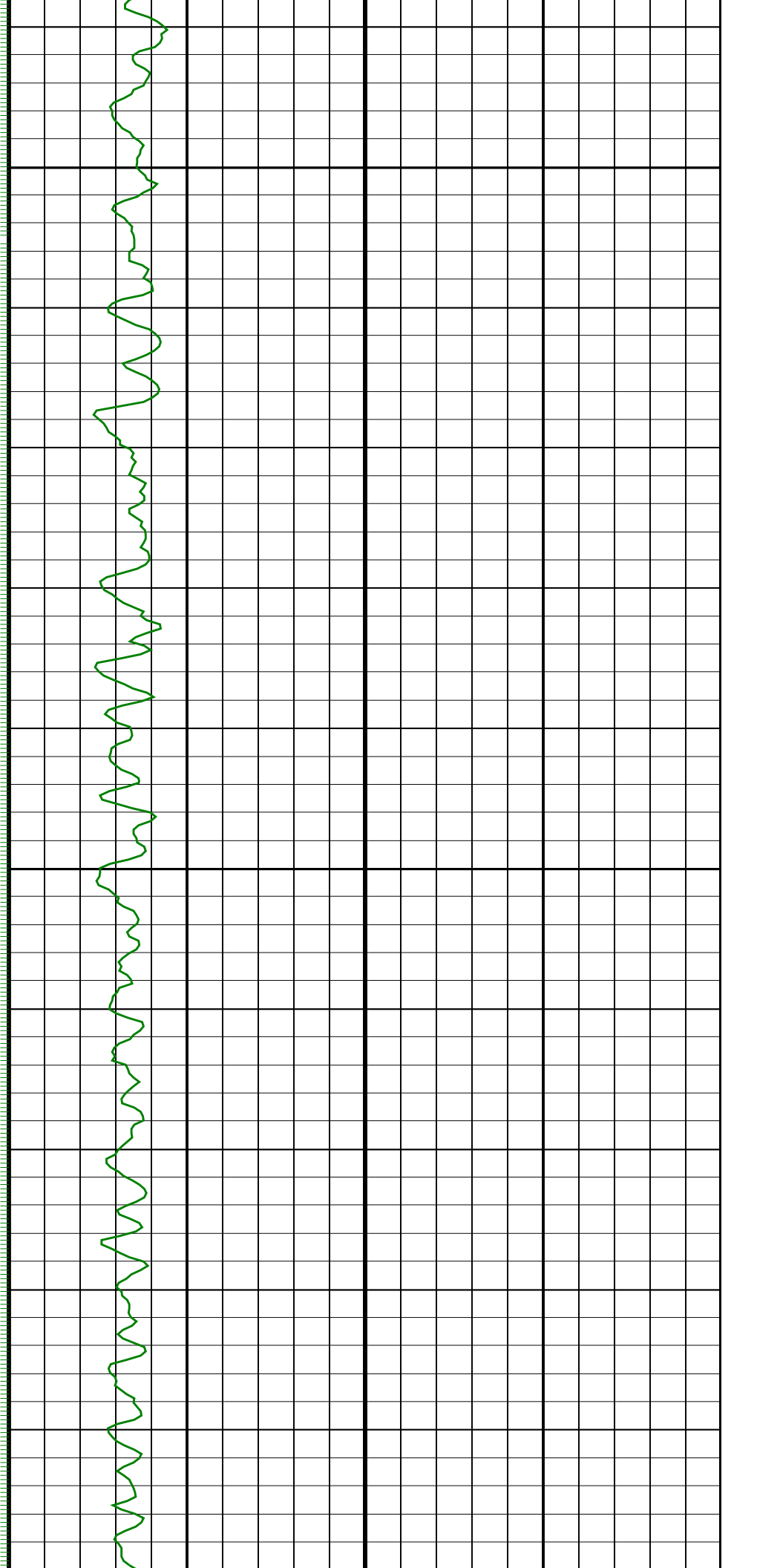
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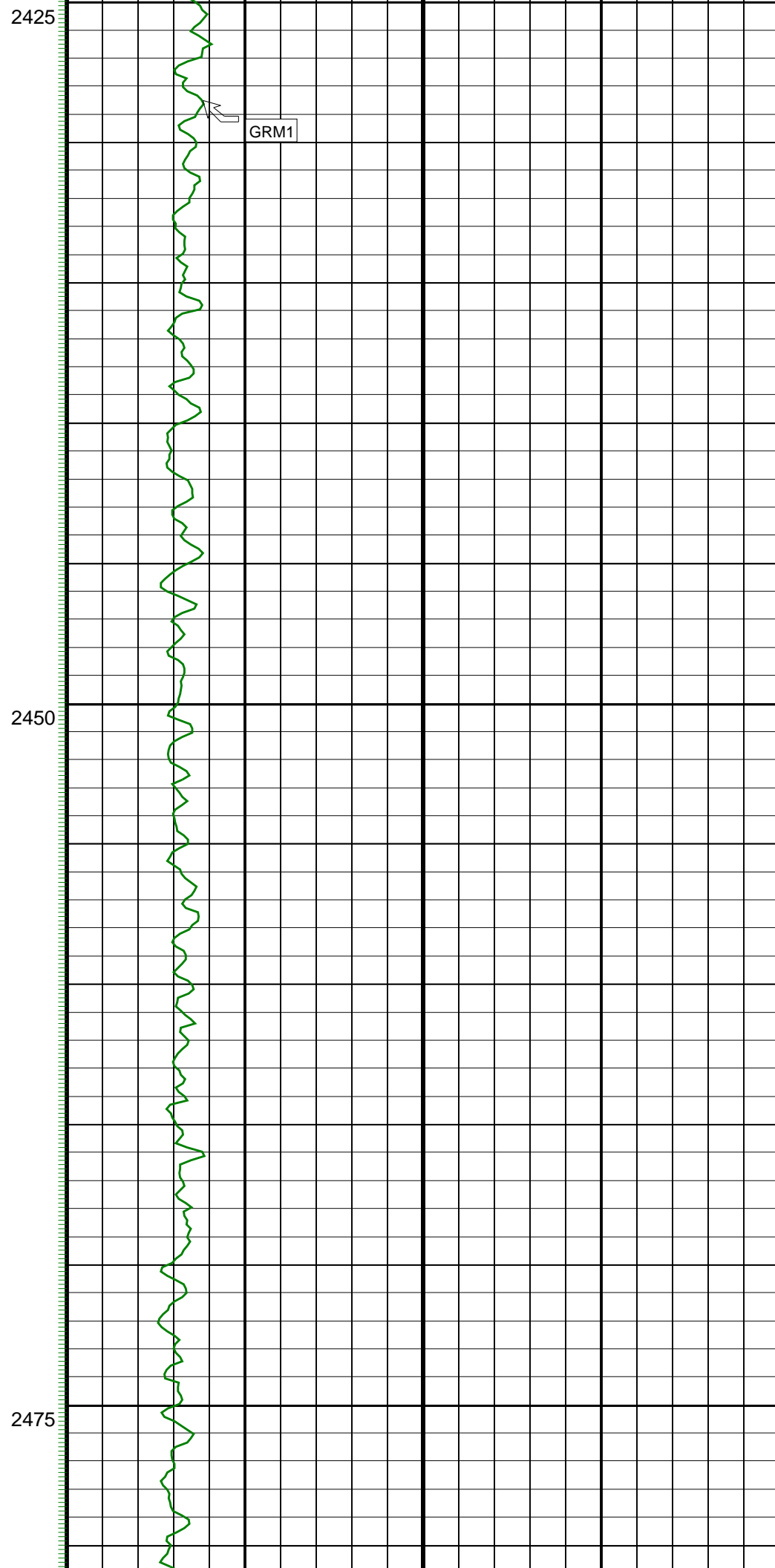
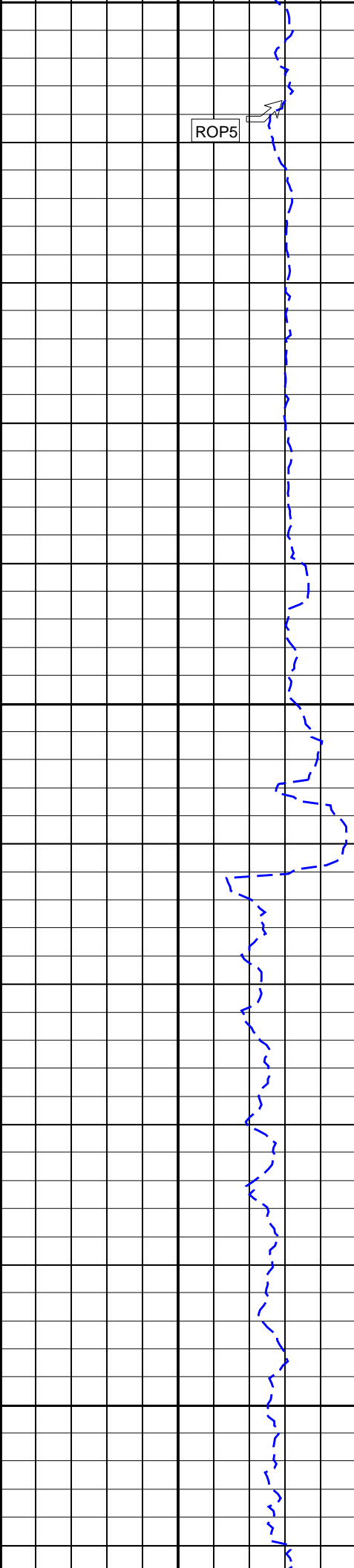


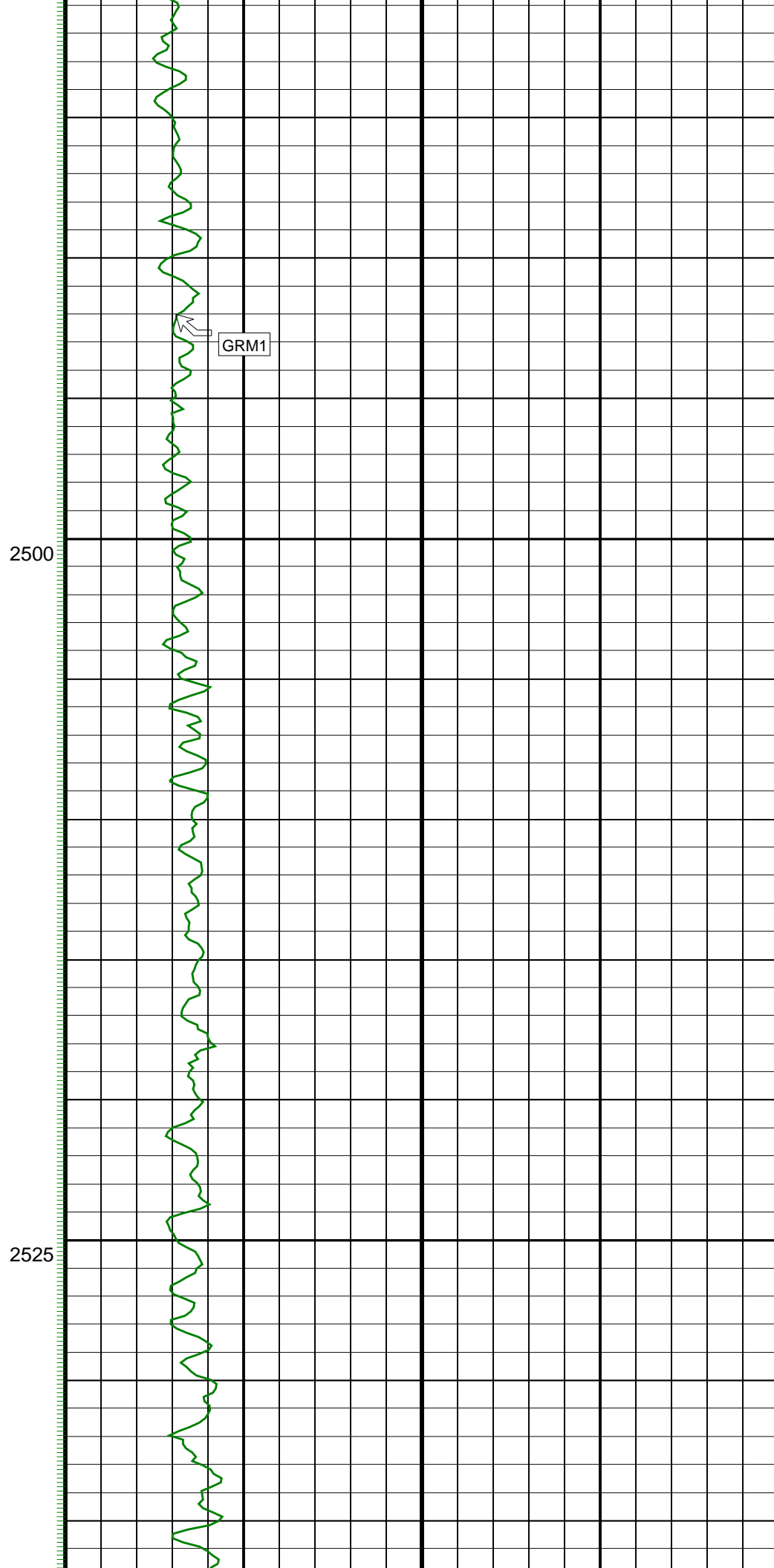
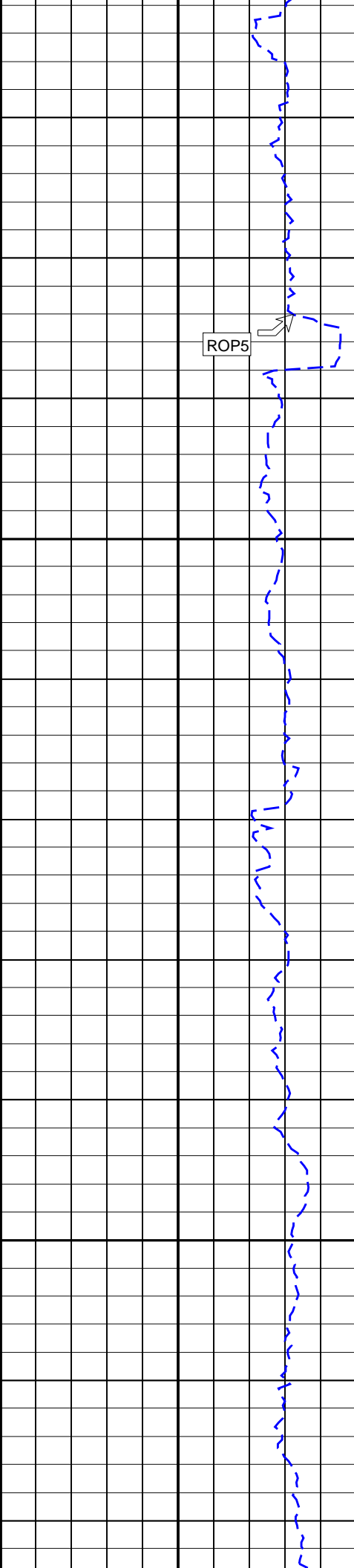


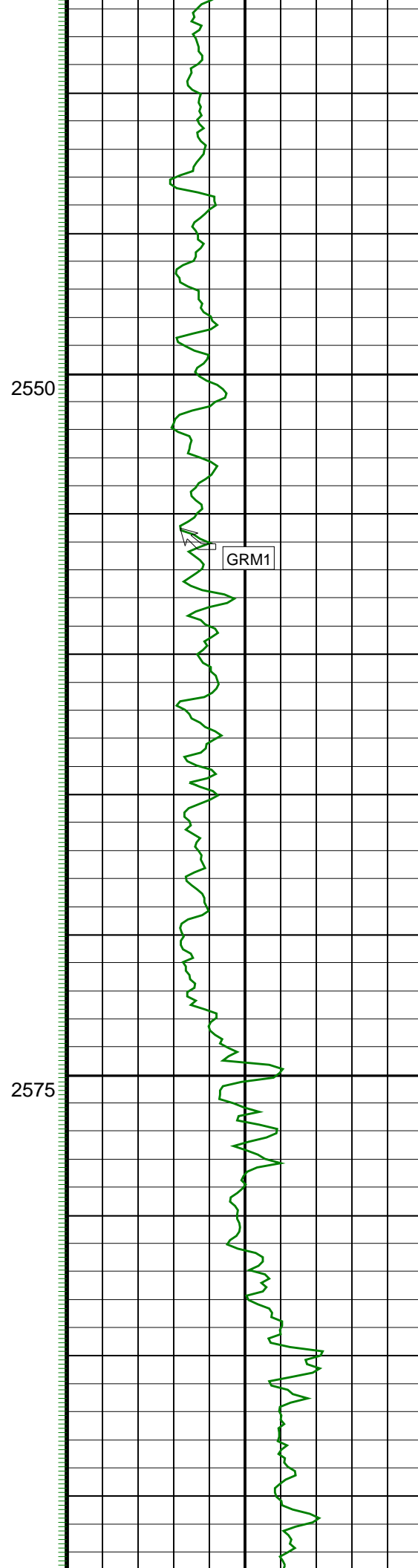
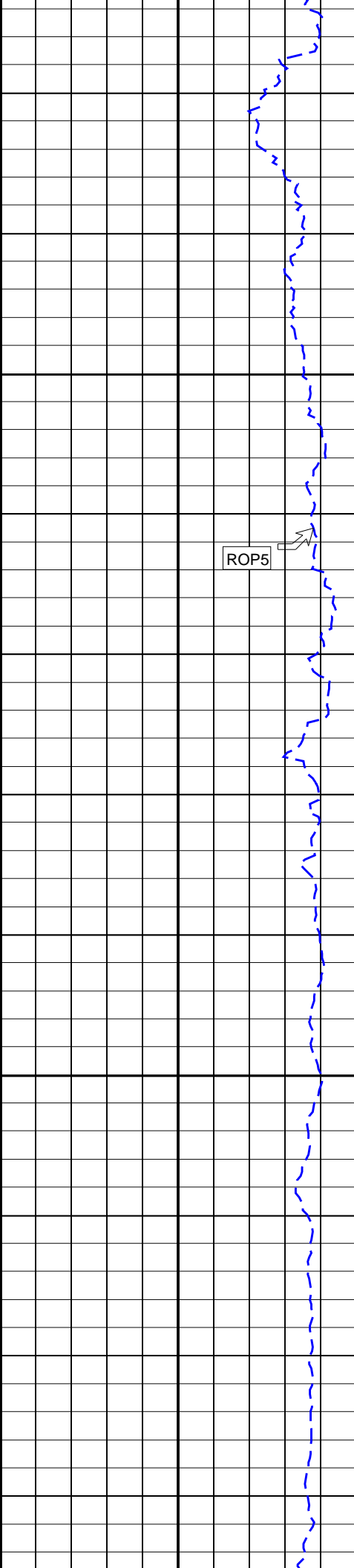
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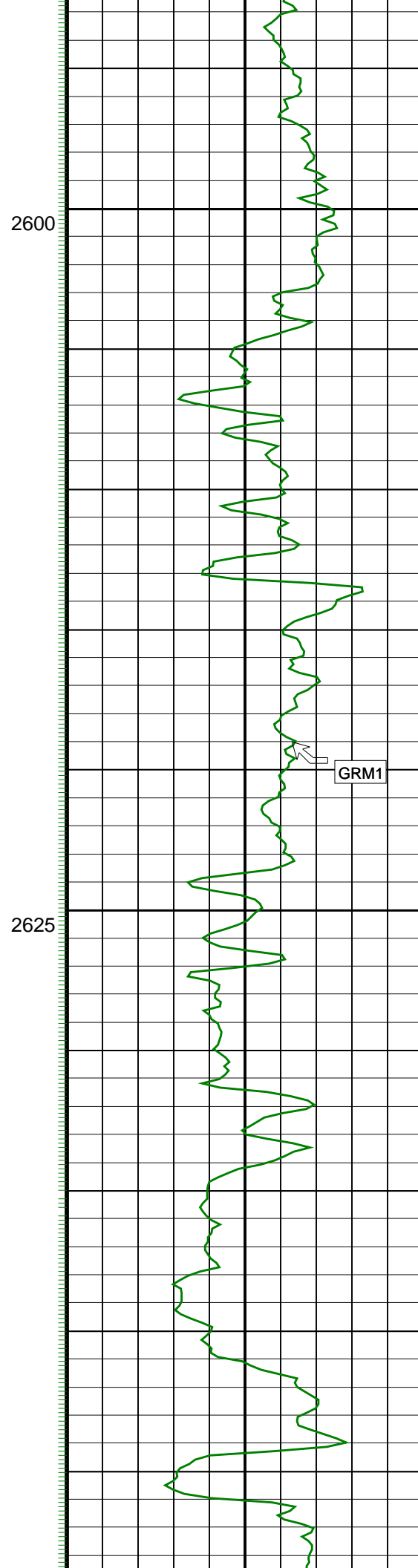
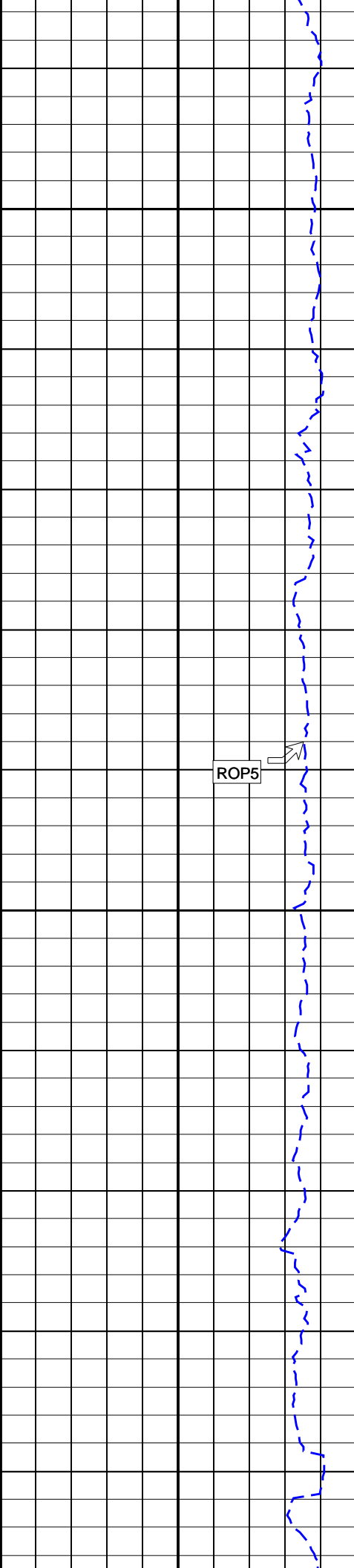
2400











Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/10m)	Srvy tool type	Tool Corr (deg)
31	1511.94	34.40	121.12	28.77	1360.38	454.64	-54.26	484.61	487.63	96.39	0.39	MWD	None
32	1540.48	33.96	121.23	28.54	1383.99	470.43	-62.56	498.33	502.24	97.16	0.16	MWD	None
33	1568.16	33.89	121.31	27.68	1406.95	485.64	-70.58	511.53	516.38	97.86	0.03	MWD	None
34	1597.84	34.00	121.74	29.68	1431.58	501.94	-79.24	525.66	531.60	98.57	0.09	MWD	None
35	1626.44	34.06	122.94	28.60	1455.28	517.65	-87.80	539.18	546.28	99.25	0.24	MWD	None
36	1655.47	33.35	122.81	29.03	1479.43	533.42	-96.55	552.71	561.08	99.91	0.25	MWD	None
37	1684.29	32.57	122.88	28.82	1503.61	548.78	-105.05	565.88	575.55	100.52	0.27	MWD	None
38	1712.75	34.62	121.14	28.46	1527.32	564.24	-113.39	579.24	590.23	101.08	0.80	MWD	None
39	1741.58	34.03	121.10	28.83	1551.12	580.26	-121.79	593.15	605.53	101.60	0.20	MWD	None
40	1770.37	33.37	121.00	28.79	1575.08	595.99	-130.03	606.84	620.61	102.09	0.23	MWD	None
41	1799.19	32.91	121.02	28.82	1599.21	611.52	-138.15	620.34	635.54	102.55	0.16	MWD	None
42	1828.02	32.25	121.30	28.83	1623.50	626.81	-146.18	633.63	650.27	102.99	0.23	MWD	None
43	1856.41	34.79	121.14	28.39	1647.17	642.24	-154.31	647.03	665.18	103.41	0.90	MWD	None
44	1885.36	34.24	121.38	28.95	1671.02	658.39	-162.82	661.05	680.81	103.84	0.20	MWD	None
45	1914.08	33.79	121.20	28.72	1694.83	674.21	-171.16	674.78	696.15	104.23	0.16	MWD	None
46	1942.95	33.31	121.21	28.87	1718.89	689.92	-179.43	688.43	711.43	104.61	0.17	MWD	None
47	1971.76	32.72	121.72	28.81	1743.05	705.37	-187.62	701.82	726.47	104.97	0.23	MWD	None
48	2000.39	32.20	121.75	28.63	1767.20	720.47	-195.71	714.89	741.19	105.31	0.18	MWD	None
49	2029.14	34.24	120.51	28.75	1791.25	735.99	-203.84	728.37	756.36	105.63	0.75	MWD	None
50	2057.81	33.64	120.70	28.67	1815.04	751.78	-211.99	742.15	771.83	105.94	0.21	MWD	None
51	2086.42	32.72	120.69	28.61	1838.98	767.22	-219.99	755.61	786.99	106.23	0.32	MWD	None
52	2115.23	32.16	120.83	28.81	1863.30	782.46	-227.89	768.89	801.95	106.51	0.20	MWD	None
53	2143.94	34.19	120.20	28.71	1887.33	797.96	-235.86	782.43	817.21	106.78	0.72	MWD	None
54	2172.45	33.69	119.96	28.51	1910.98	813.68	-243.84	796.20	832.70	107.03	0.18	MWD	None
55	2201.40	33.24	119.91	28.95	1935.13	829.46	-251.81	810.04	848.27	107.27	0.16	MWD	None
56	2230.08	32.77	119.88	28.68	1959.18	844.90	-259.59	823.58	863.52	107.50	0.16	MWD	None
57	2258.89	33.48	120.39	28.81	1983.31	860.46	-267.50	837.20	878.89	107.72	0.26	MWD	None
58	2287.54	35.00	121.92	28.65	2006.99	876.33	-275.84	850.99	894.58	107.96	0.61	MWD	None
59	2316.43	34.51	121.50	28.89	2030.73	892.52	-284.50	865.00	910.58	108.21	0.19	MWD	None
60	2345.03	33.90	121.65	28.60	2054.38	908.34	-292.92	878.69	926.23	108.44	0.22	MWD	None

Seq #	Measured depth (m)	Incl angle (deg)	Azimuth angle (deg)	Course length (m)	TVD depth (m)	Vertical section (m)	Displ +N/S- (m)	Displ +E/W- (m)	Total displ (m)	At Azim (deg)	DLS (deg/10m)	Srvy tool type	Tool Corr (deg)
61	2373.72	33.24	121.13	28.69	2078.29	923.95	-301.18	892.24	941.70	108.65	0.25	MWD	None
62	2402.58	32.75	121.01	28.86	2102.49	939.43	-309.29	905.70	957.05	108.85	0.17	MWD	None
63	2431.16	32.06	120.84	28.58	2126.62	954.53	-317.16	918.84	972.04	109.04	0.24	MWD	None
64	2459.55	31.85	120.84	28.39	2150.71	969.34	-324.87	931.74	986.75	109.22	0.07	MWD	None
65	2488.57	30.77	120.37	29.02	2175.50	984.21	-332.54	944.72	1001.54	109.39	0.38	MWD	None
66	2517.22	29.85	120.29	28.65	2200.24	998.49	-339.85	957.20	1015.74	109.55	0.32	MWD	None
67	2546.10	29.24	120.43	28.88	2225.36	1012.55	-347.04	969.48	1029.73	109.70	0.21	MWD	None
68	2574.89	28.84	120.81	28.79	2250.53	1026.33	-354.16	981.51	1043.45	109.84	0.15	MWD	None
69	2603.37	28.65	120.13	28.48	2275.50	1039.85	-361.11	993.32	1056.92	109.98	0.13	MWD	None
70	2631.41	28.65	119.73	28.04	2300.11	1053.14	-367.81	1004.97	1070.16	110.10	0.07	MWD	None
71	2660.35	28.43	119.53	28.94	2325.53	1066.81	-374.65	1016.99	1083.80	110.22	0.08	MWD	None
72	2689.80	28.64	119.18	29.45	2351.41	1080.74	-381.55	1029.25	1097.69	110.34	0.09	MWD	None
73	2710.00	28.78	118.95	20.20	2369.12	1090.35	-386.26	1037.73	1107.28	110.42	0.09	Projection to TD	

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

Schlumberger

Well: **WKF W18A**

Field: **West Kingfish**

Rig: **ISDL 453**

State: **Victoria**

Gamma Ray Service

1:200 Measured Depth

Real Time Log

