

Thank You for Choosing Schlumberger.

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EQUIPMENT DESCRIPTION

RUN1

RUN2

RUN3

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse* 22.55
MDC: 066-AB
MEC: 612-BB
MDI: 626-BC
MGR: 295-AA

DH Software: V6.1 C00

D&I ____ 18.26
GR ____ 17.61

6-1/2 in. PMDC 14.34
S/N: ASS15700

6-1/2 in. NM Roller Reamer 12.65
S/N: GU2298
Reamer OD: 8-3/8 in.

6-1/2 in. PMDC 10.57
S/N: 9612058

6-3/4 in. PowerPak* Motor 7.88
A675XP 7850
S/N: 3604
1.5 deg. Bent Housing
8-3/8 in. Motor Sleeve

6-3/4 in. PowerPulse* 22.59
MDC: 066-AB
MEC: 612-BB
MDI: 626-BC
MGR: 295-AA

DH Software: V6.1 C00

D&I ____ 18.30
GR ____ 17.65

6-1/2 in. PMDC 14.38
S/N: ASS15700

6-1/2 in. NM Roller Reamer 12.69
S/N: GU2298
Reamer OD: 8-3/8 in.

6-1/2 in. PMDC 10.61
S/N: 9612058

6-3/4 in. PowerPak* Motor 7.92
A675XP 7850
S/N: 3604
0.78 deg. Bent Housing
8-3/8 in. Motor Sleeve

6-3/4 in. PowerPulse* 22.65
MDC: 066-AB
MEC: 612-BB
MDI: 626-BC
MGR: 295-AA

DH Software: V6.1 C00

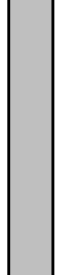


D&I ____ 18.36
GR ____ 17.71

6-1/2 in. PMDC 14.44
S/N: ASS15700

6-1/2 in. NM Roller Reamer 12.75
S/N: GU2299
Reamer OD: 8-3/8 in.

6-1/2 in. PMDC 10.64
S/N: 9612058

6-3/4 in. PowerPak* Motor 7.95
A675XP 7850
S/N: 2179
1.15 deg. Bent Housing
8-3/8 in. Motor Sleeve

 <p>REED-Hycalog PDC Bit OD: 8-1/2 in. RSX192 S/N: 205885</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>	 <p>Security Insert Bit OD: 8-1/2 in. SEB485 S/N: 10581590</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>	 <p>REED-Hycalog PDC Bit OD: 8-1/2 in. DSX173 S/N: 206260</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>
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DISCLAIMER
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OTHER SERVICES FOR RUN4 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN5 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN6 Directional Drilling Directional Surveys
REMARKS: RUN NUMBER 4 8-1/2 in. hole was drilled from 2299.0 m to 2745.0 m MD. Missing GR Data from 2509.5 m to 2515.0 m MD (1961.0 m to 1964.8 m TVD) due to Emergency Power Shut Down (Fire Alarm) while Drilling. Depth is referenced to Driller's Depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCI/PHPA/Glycol. POOH for bit change. Thank You for Choosing Schlumberger.	REMARKS: RUN NUMBER 5 8-1/2 in. hole was drilled from 2745.0 m to 3061.0 m MD. Depth is referenced to Driller's Depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCI/PHPA/Glycol. POOH for bit change. Thank You for Choosing Schlumberger.	REMARKS: RUN NUMBER 6 8-1/2 in. hole was drilled from 3061.0 m to 3268.0 m MD. ROP Data Spliced with Run 8 at 3267.7 m MD (2487.9 m TVD). GR Data Spliced with Run 8 at 3250.0 m MD (2475.6 m TVD). Depth is referenced to Driller's Depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCI/PHPA/Glycol. POOH for bit change. Thank You for Choosing Schlumberger.

EQUIPMENT DESCRIPTION		
RUN4	RUN5	RUN6
DOWNHOLE EQUIPMENT	DOWNHOLE EQUIPMENT	DOWNHOLE EQUIPMENT

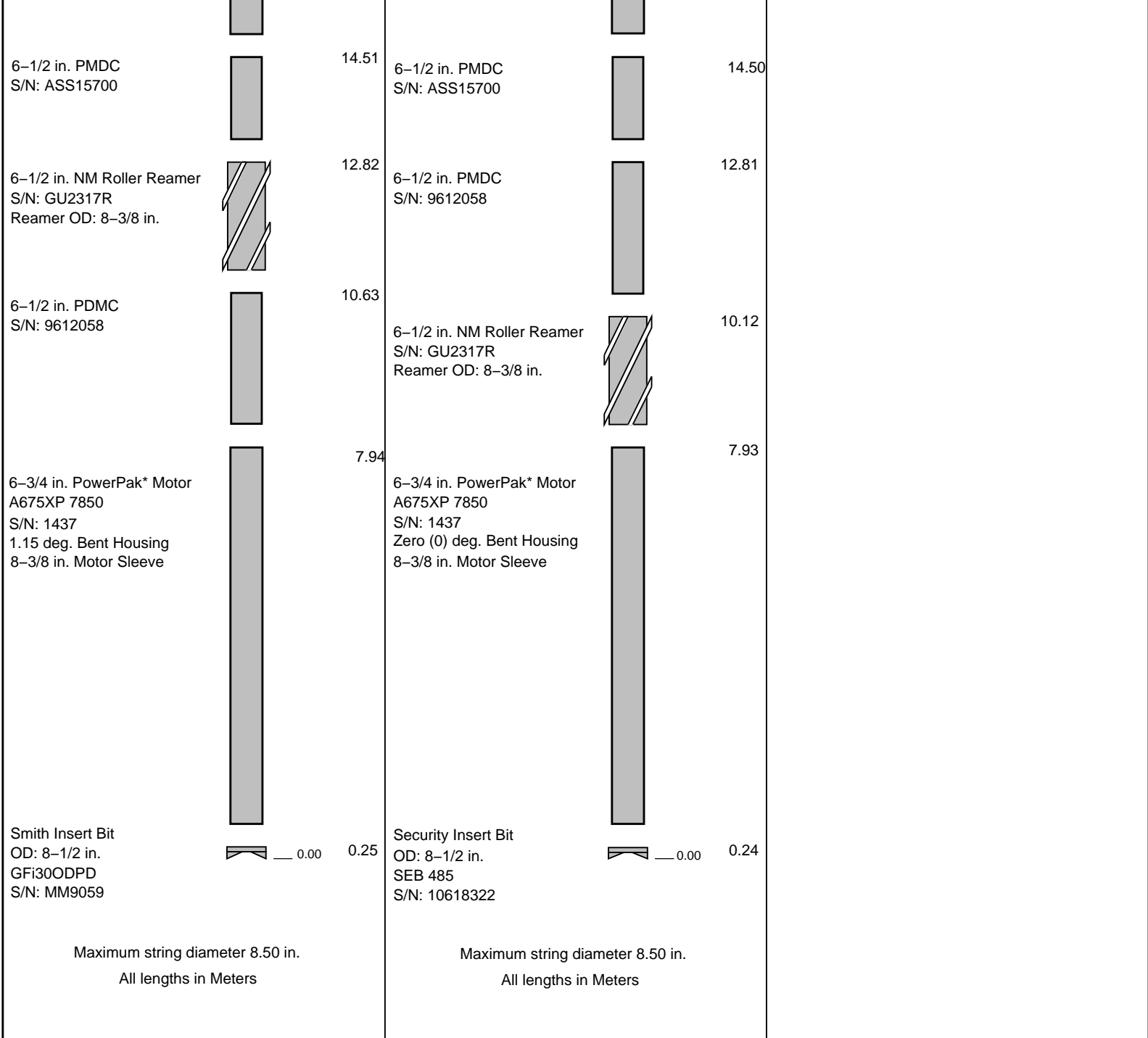
<div> <p>6-3/4 in. PowerPulse*</p> <p>MDC: 066-AB MEC: 612-BB MDI: 626-BC MGR: 295-AA</p> <p>DH Software: V6.1 C00</p> </div> <div> <p>D&I 18.33</p> <p>GR 17.68</p> </div> <div> <p>6-1/2 in. PMDC S/N: ASS15700</p> </div> <div> <p>6-1/2 in. PMDC S/N: 9612058</p> </div> <div> <p>6-1/2 in. NM Roller Reamer S/N: GU2299 Reamer OD: 8-3/8 in.</p> </div> <div> <p>6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 3604 1.15 deg. Bent Housing 8-3/8 in. Motor Sleeve</p> </div> <div> <p>Security Insert Bit OD: 8-1/2 in. SEB485 S/N: 10425400</p> </div> <div> <p>Maximum string diameter 8.50 in. All lengths in Meters</p> </div>	<div> <p>6-3/4 in. PowerPulse*</p> <p>MDC: Z408-AC MEC:108-BA MDI: 108-BC MGR: 146-AA</p> <p>DH Software: V7.0 C00</p> </div> <div> <p>D&I 18.59</p> <p>GR 17.94</p> </div> <div> <p>6-1/2 in. PMDC S/N: 9612058</p> </div> <div> <p>6-1/2 in. NM Roller Reamer S/N: GU2299 Reamer OD: 8-3/8 in.</p> </div> <div> <p>6-1/2 in. PMDC S/N: ASS15700</p> </div> <div> <p>6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 2307 1.15 deg. Bent Housing 8-3/8 in. Motor Sleeve</p> </div> <div> <p>REED-Hycalog Insert Bit OD: 8-1/2 in. TD51AKPRDH S/N: D74923</p> </div> <div> <p>Maximum string diameter 8.50 in. All lengths in Meters</p> </div>	<div> <p>6-3/4 in. PowerPulse*</p> <p>MDC: Z408-AC MEC: 108-BA MDI: 108-BC MGR: 146-AA</p> <p>DH Software: V7.0 C00</p> </div> <div> <p>D&I 18.65</p> <p>GR 18.00</p> </div> <div> <p>6-1/2 in. PMDC S/N: ASS15700</p> </div> <div> <p>6-1/2 in. NM Roller Reamer S/N:GU2317R Reamer OD: 8-3/8 in.</p> </div> <div> <p>6-1/2 in. PMDC S/N: 9612058</p> </div> <div> <p>6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 2307 1.15 deg Bent Housing 8-3/8 in. Motor Sleeve</p> </div> <div> <p>Security Insert Bit OD: 8-1/2 in. EBXS20DS S/N: 10614871</p> </div> <div> <p>Maximum string diameter 8.50 in. All lengths in Meters</p> </div>
DISCLAIMER		

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OTHER SERVICES FOR RUN8 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN9 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN
REMARKS: RUN NUMBER 8 All 3 cones from the Run-6 TCI Bit were lost downhole. A junk basket was run, failling to recover the cones. Run-7 was attempted with a PDC Bit, but failed to make hole. A cement plug was set and a successful sidetrack carried out. 8-1/2 in. hole was drilled from 3210.0 m to 3432.0 m MD. ROP Data Spliced with Run 6 at 3267.7 m MD (2487.9 m TVD). GR Data Spliced with Run 6 at 3250.0 m MD (2475.6 m TVD). Missing GR Data from 3362.0 m to 3363.5 m MD (2554.5 m to 2555.6 m TVD) due to Signal Noise. Depth is referenced to Driller's Depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCI/PHPA/Glycol. POOH for bit change. Thank You for Choosing Schlumberger	REMARKS: RUN NUMBER 9 8-1/2 in. hole was drilled from 3432.0 m to 3563.0 m MD. Depth is referenced to Driller's Depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCI/PHPA/Glycol. POOH due to TD of MLA A6A. Thank You for Choosing Schlumberger	REMARKS: RUN NUMBER

EQUIPMENT DESCRIPTION

RUN8	RUN9	RUN
<div>DOWNHOLE EQUIPMENT</div> <div>6-3/4 in. PowerPulse*22.96</div> <div>MDC: Z408-AC MEC: 108-BA MDI: 108-BC MGR: 146-AA DH Software: V7.0 C00</div> <div>D&I18.67</div> <div>GR18.02</div>	<div>DOWNHOLE EQUIPMENT</div> <div>6-3/4 in. PowerPulse*22.95</div> <div>MDC: Z408-AC MEC: 108-BA MDI: 108-BC MGR: 146-AA DH Software: V7.0 C00</div> <div>D&I18.66</div> <div>GR18.01</div>	



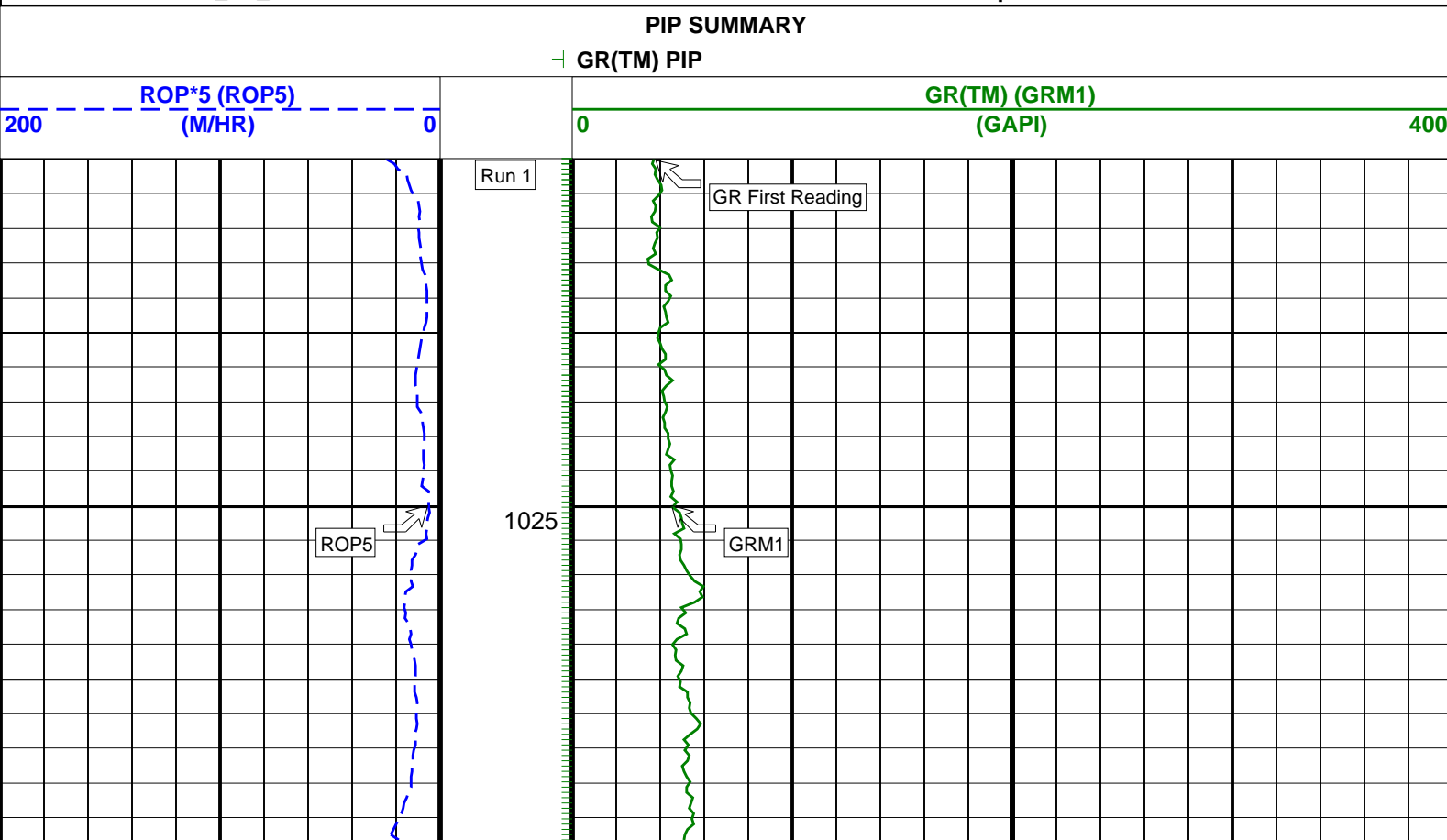
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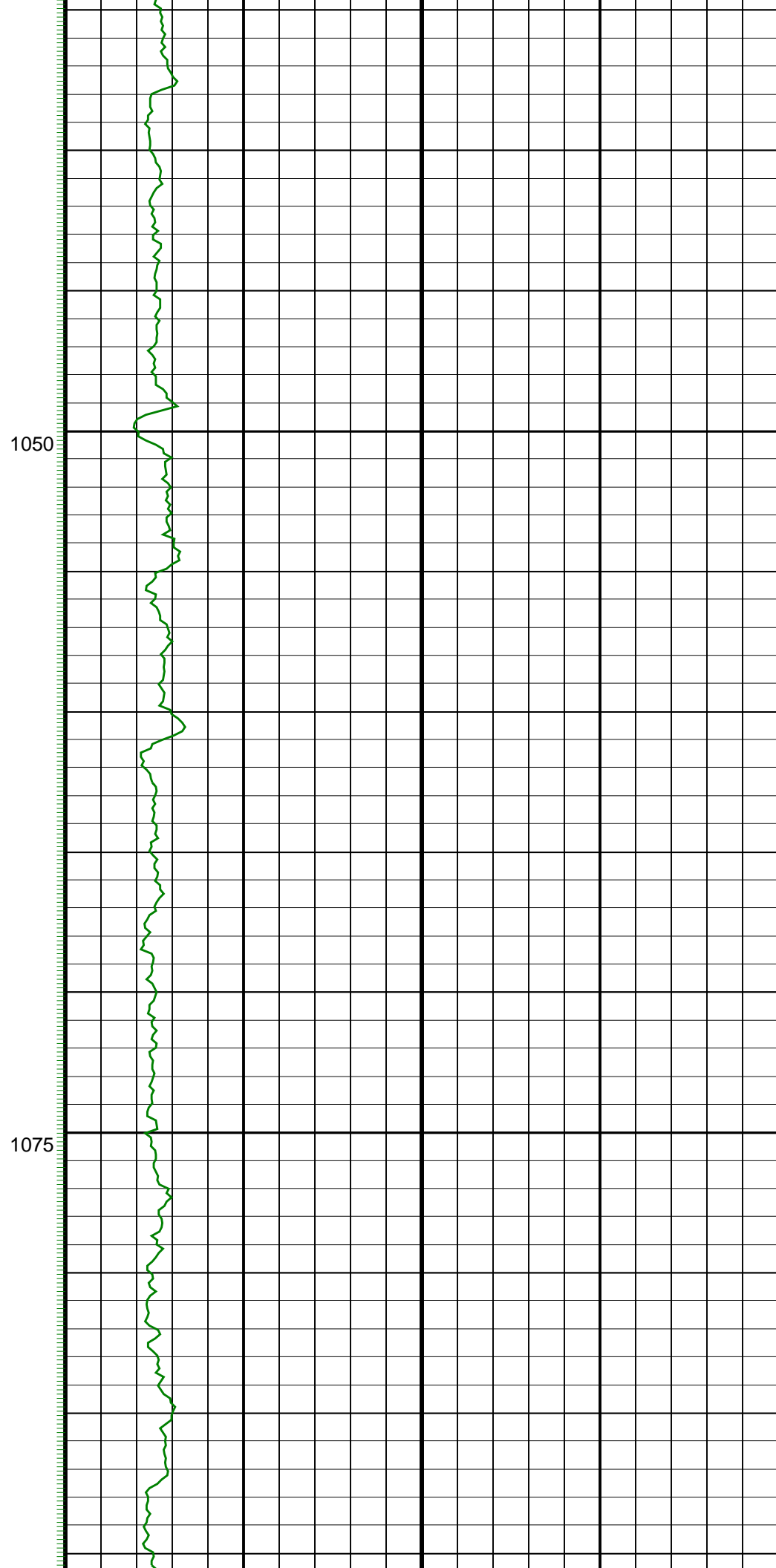
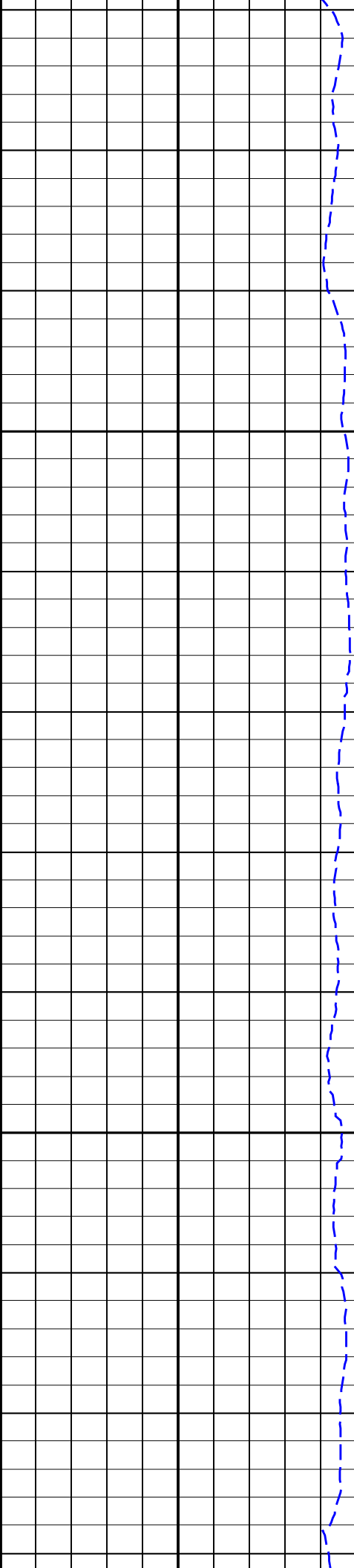
Run number	1	2	3	4	5	6	8	9		
Bit size	in. 8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5		
Bit start depth	m 1013.0	1820.0	2064.0	2299.0	2745.0	3061.0	3210.0	3432.0		
Bit end depth	m 1820.0	2064.0	2299.0	2745.0	3061.0	3268.0	3432.0	3563.0		
Top interval logged	m 1015.0	1802.4	2046.4	2281.3	2727.3	3043.1	3250.0	3414.0		
Bottom interval logged	m 1802.4	2046.4	2281.3	2727.3	3043.1	3250.0	3414.0	3545.0		
Begin log: time	10:49	23:15	05:10	04:50	06:00	12:00	19:20	09:15		
Begin log: date	05-Mar-04	08-Mar-04	11-Mar-04	13-Mar-04	17-Mar-04	20-Mar-04	25-Mar-04	28-Mar-04		
End log: time	08:00	08:00	10:40	16:10	12:40	11:30	08:30	08:45		
End log: date	08-Mar-04	10-Mar-04	12-Mar-04	15-Mar-04	19-Mar-04	21-Mar-04	27-Mar-04	29-Mar-04		

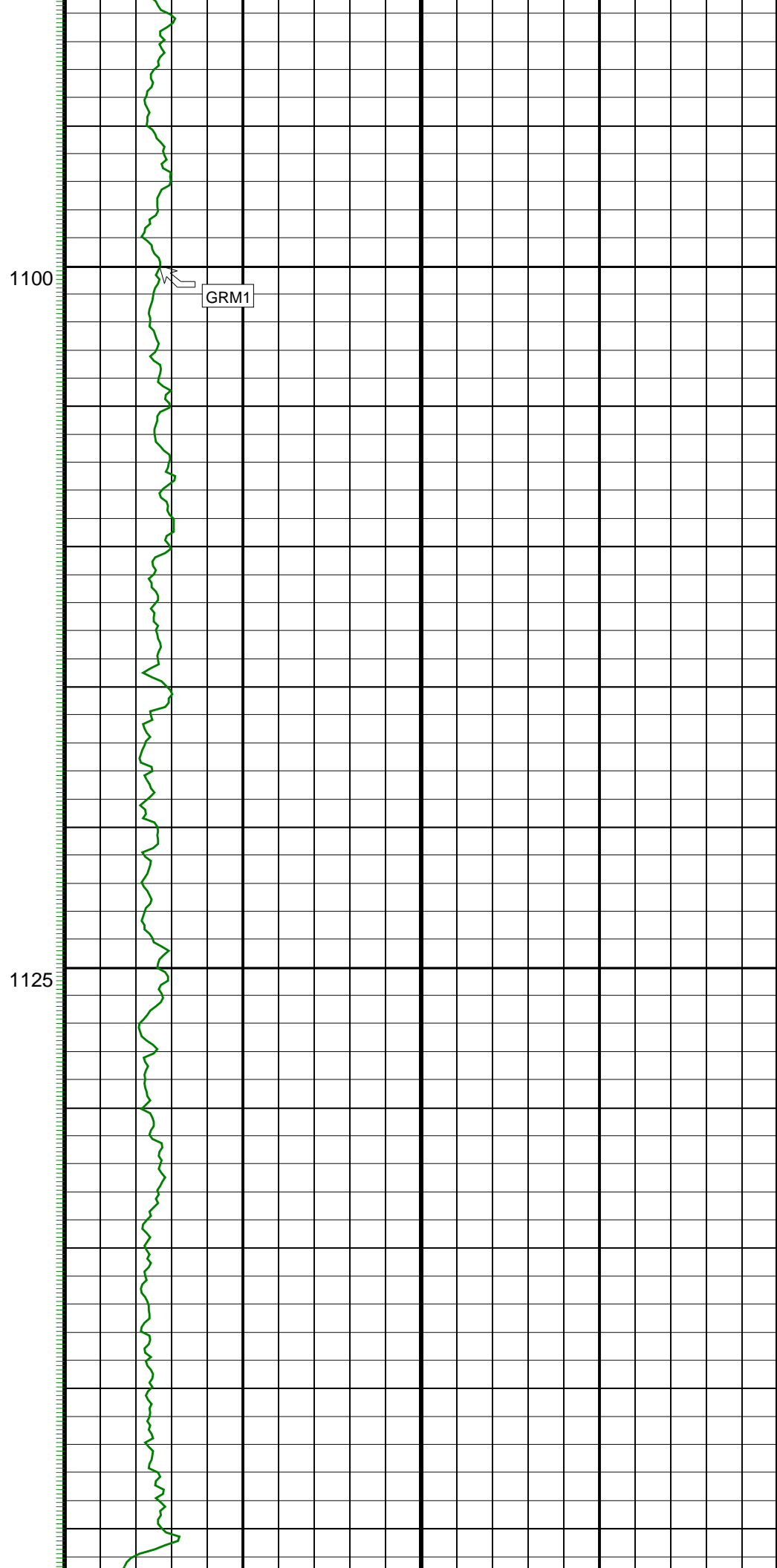
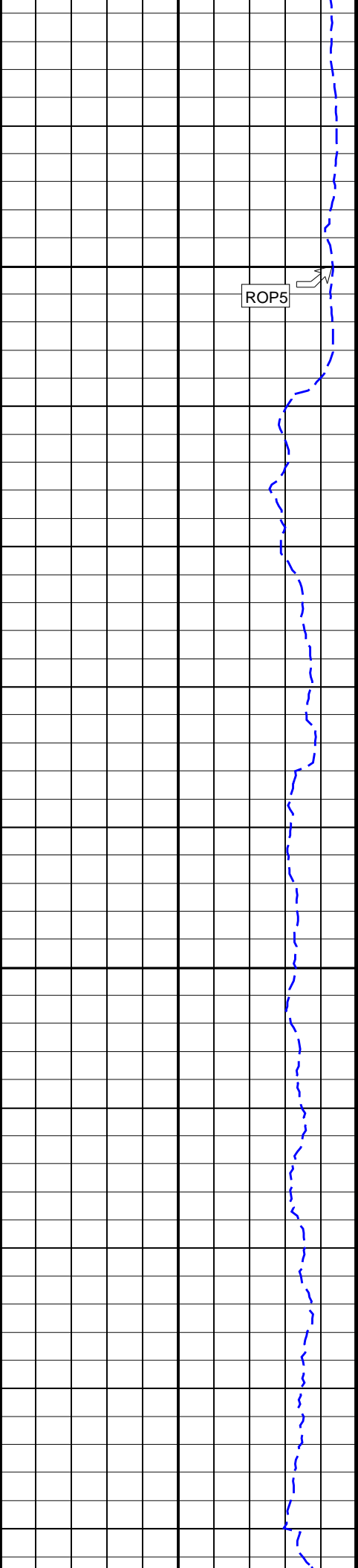
Mud data										
Depth	m	1819.0	2604.0	2299.0	2745.0	3061.0	3268.0	3431.0	3563.0	
Type		KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	KCL/PHPA/Gly.	
Mud weight	ppg	10.00	10.05	9.95	10.15	10.00	10.07	9.95	9.90	
Solids	%	8.0	7.6	7.0	9.1	8.1	8.3	8.1	7.4	
Chlorides	mg/L	38,000	44,000	44,000	37,500	41,000	41,000	39,500	42,500	
Rm		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Rmf		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Rmc		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Potassium	%	3.67	3.84	3.84	3.21	3.45	3.46	3.52	3.93	
Environmental data										
GR										
Mud weight	ppg	10.00	10.05	9.95	10.15	10.00	10.07	9.95	9.90	
Bit size	in.	8.5	8.5	8.5	8.5	8.5	8.5	8.5	8.5	
Resistivity										
Neutron porosity										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Update rate 1	SEC	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	
Update rate 2	SEC	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Filtering GR		3 pt.	3 pt.	3 pt.	3 pt.	3 pt.	3 pt.	3 pt.	3 pt.	
Filtering density		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Filtering Neutron		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Company representative		Barry Steel	B.Davis	R.Morris	G.Campbell	Bim Steel				
Anadrill personnel		K.Handley	D.Hastie	C.Soper	T.Auger	M.Saicic	R.Borjas			

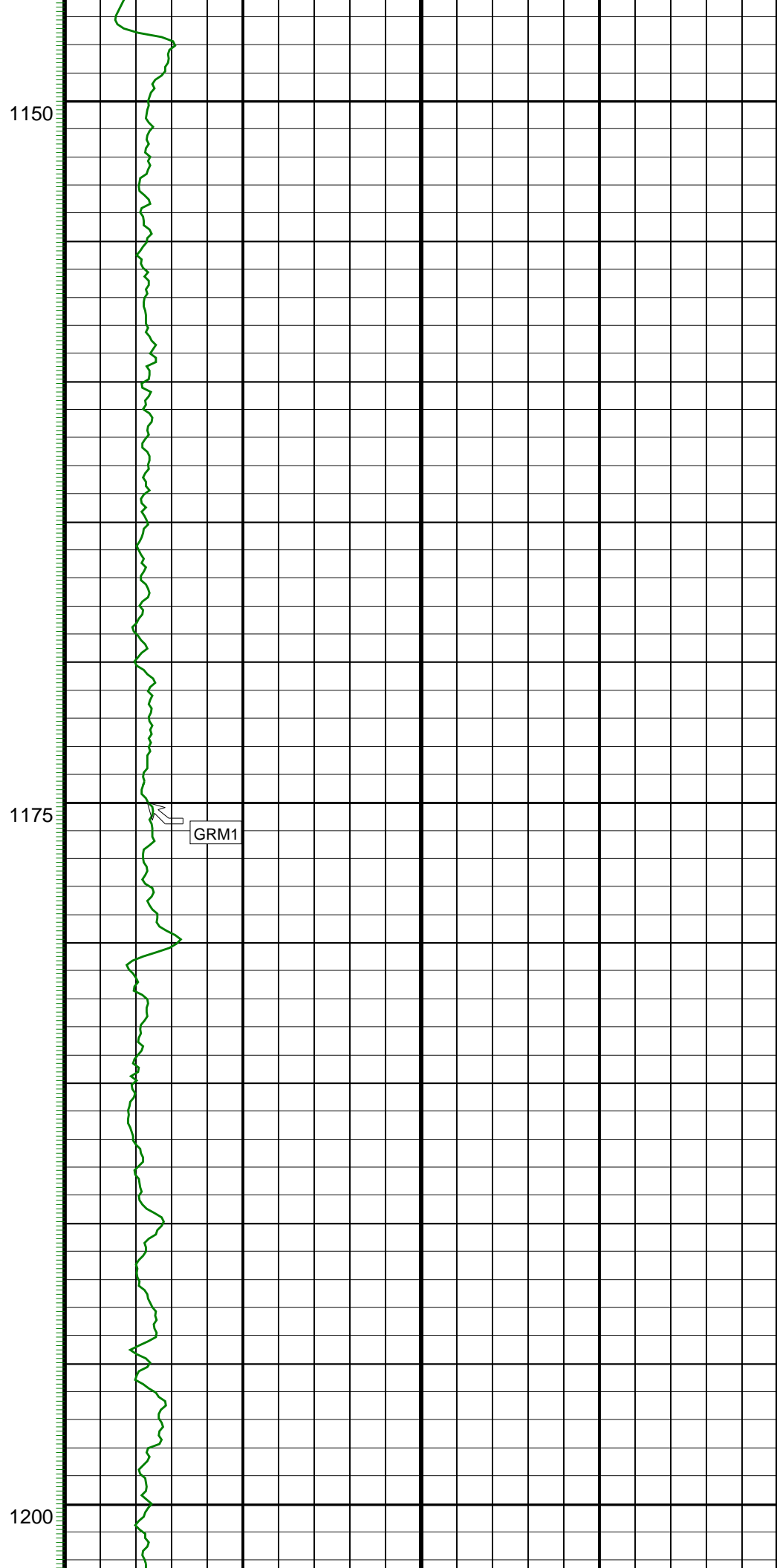
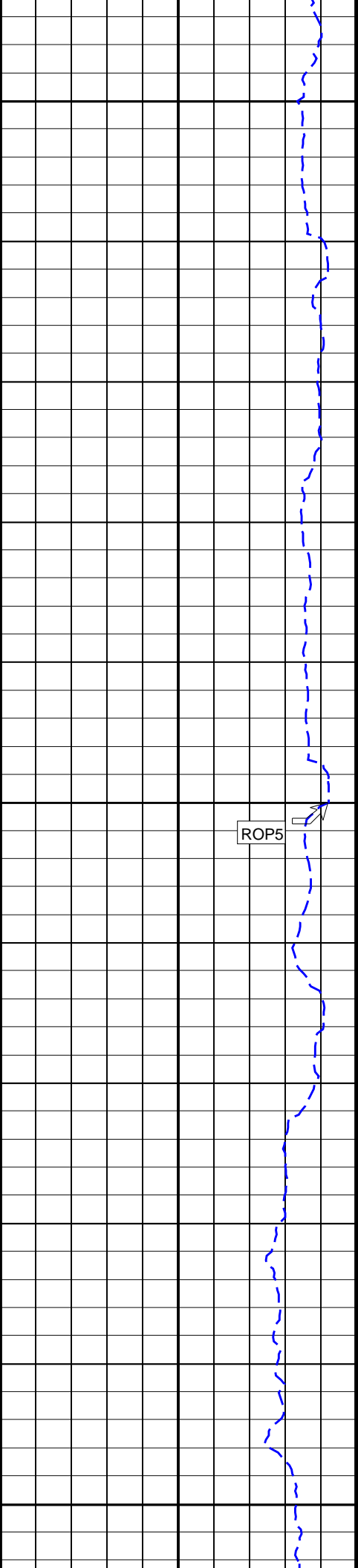
MLA A6A MWD GR 1:200MD

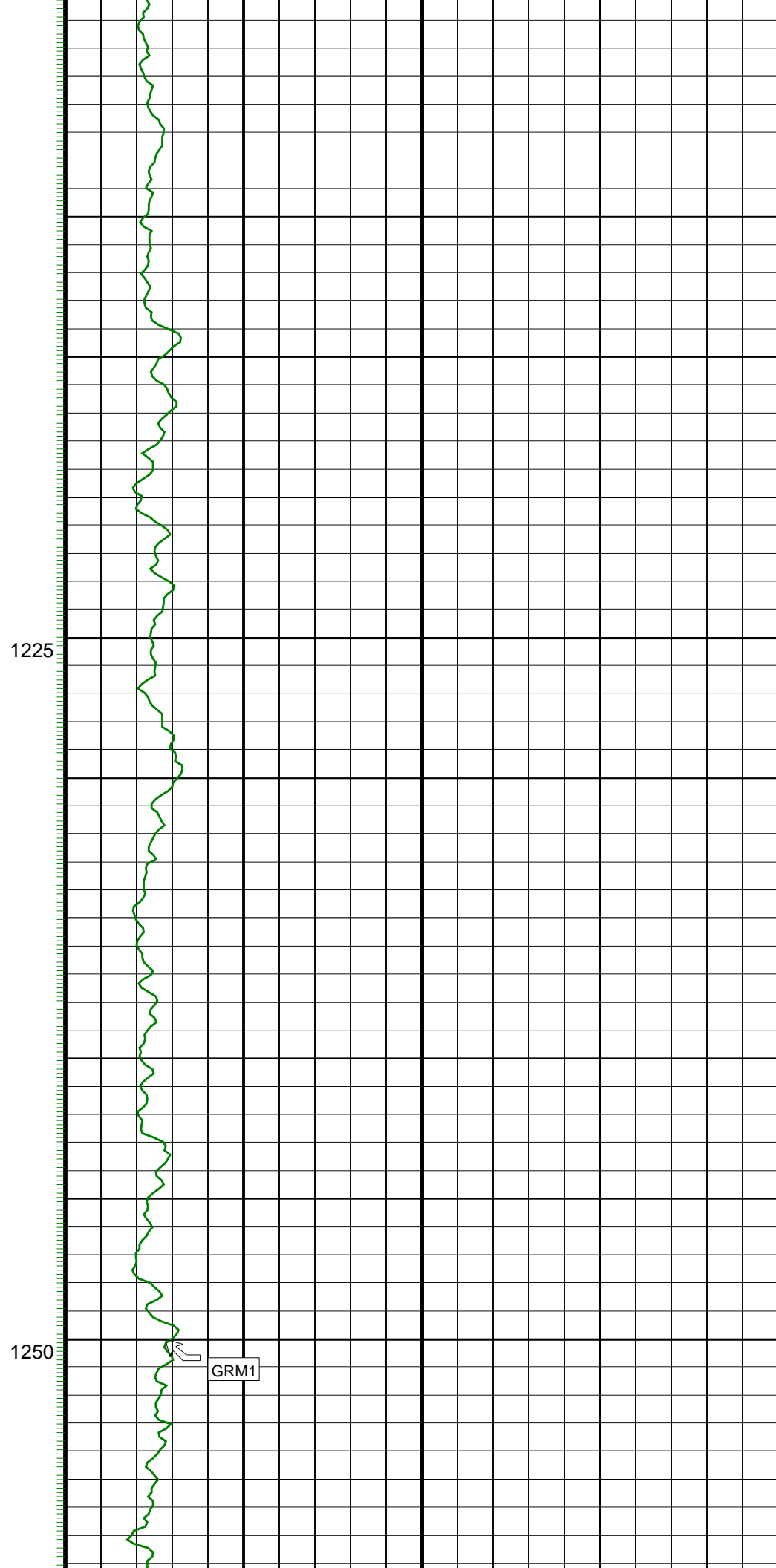
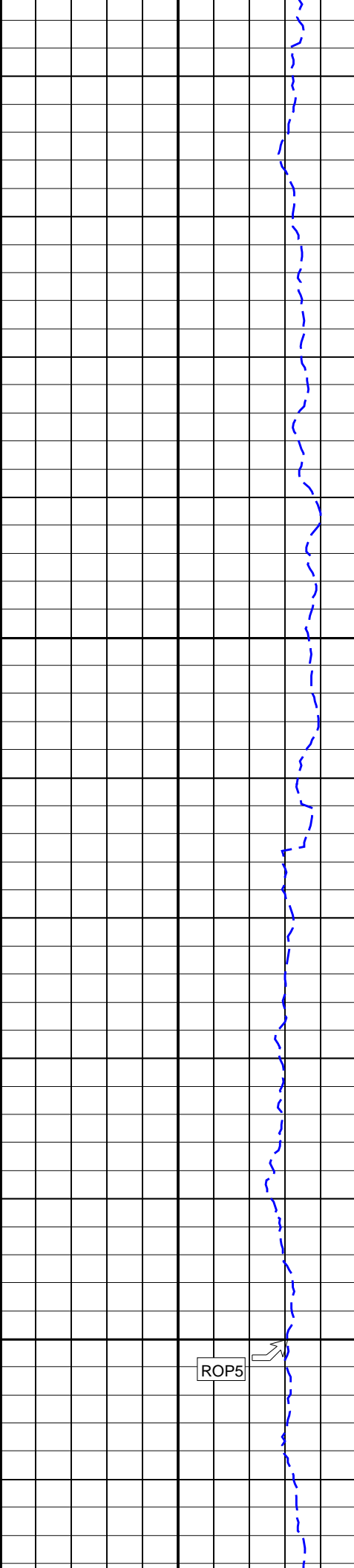
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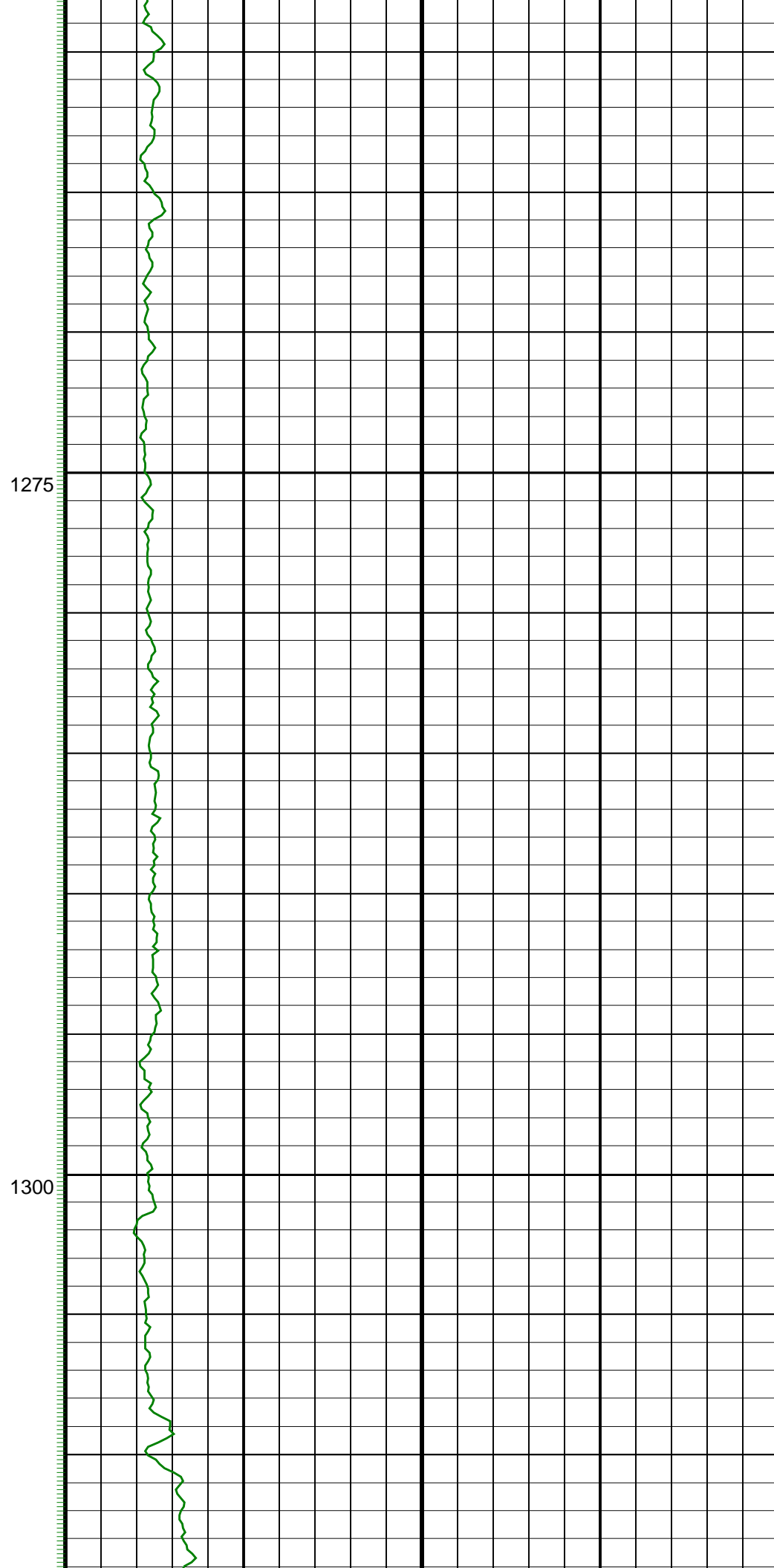
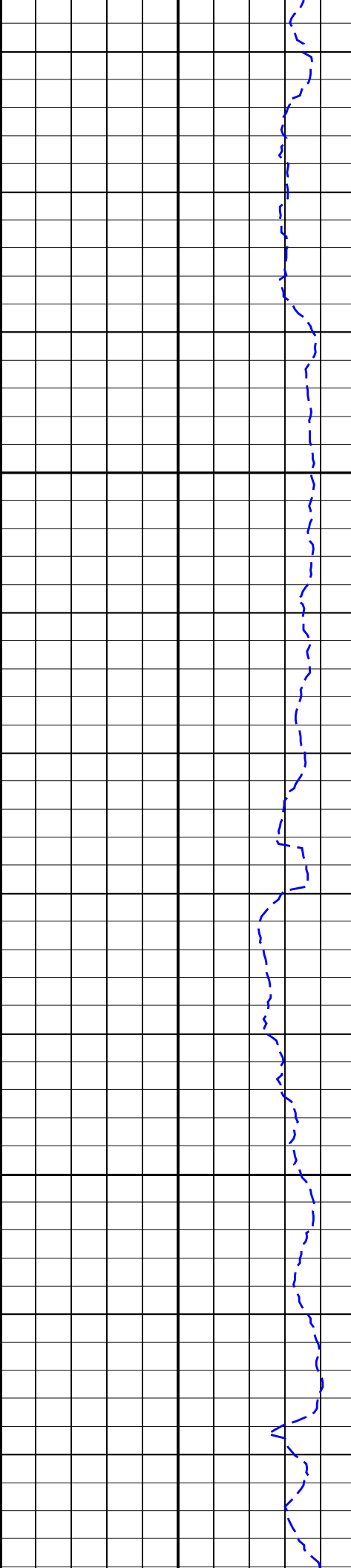


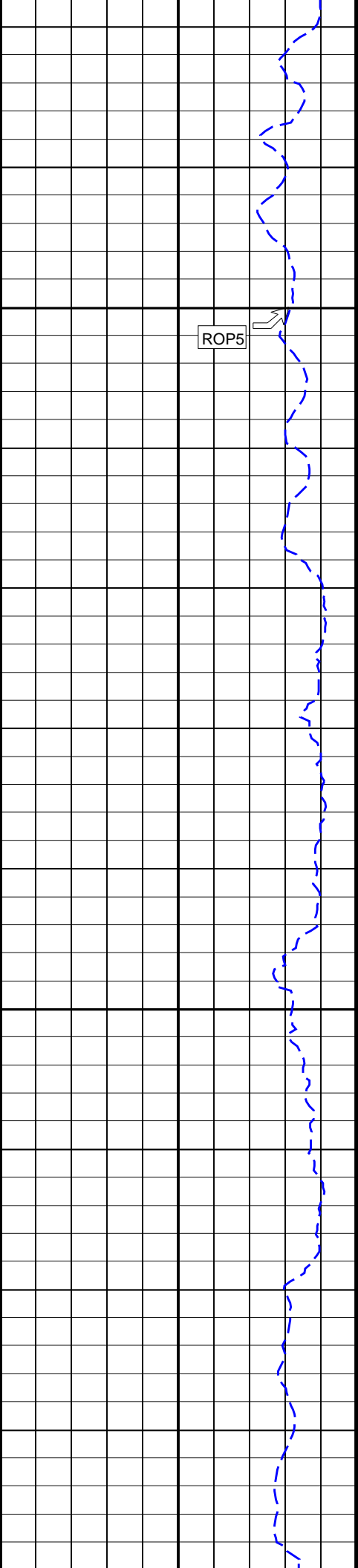




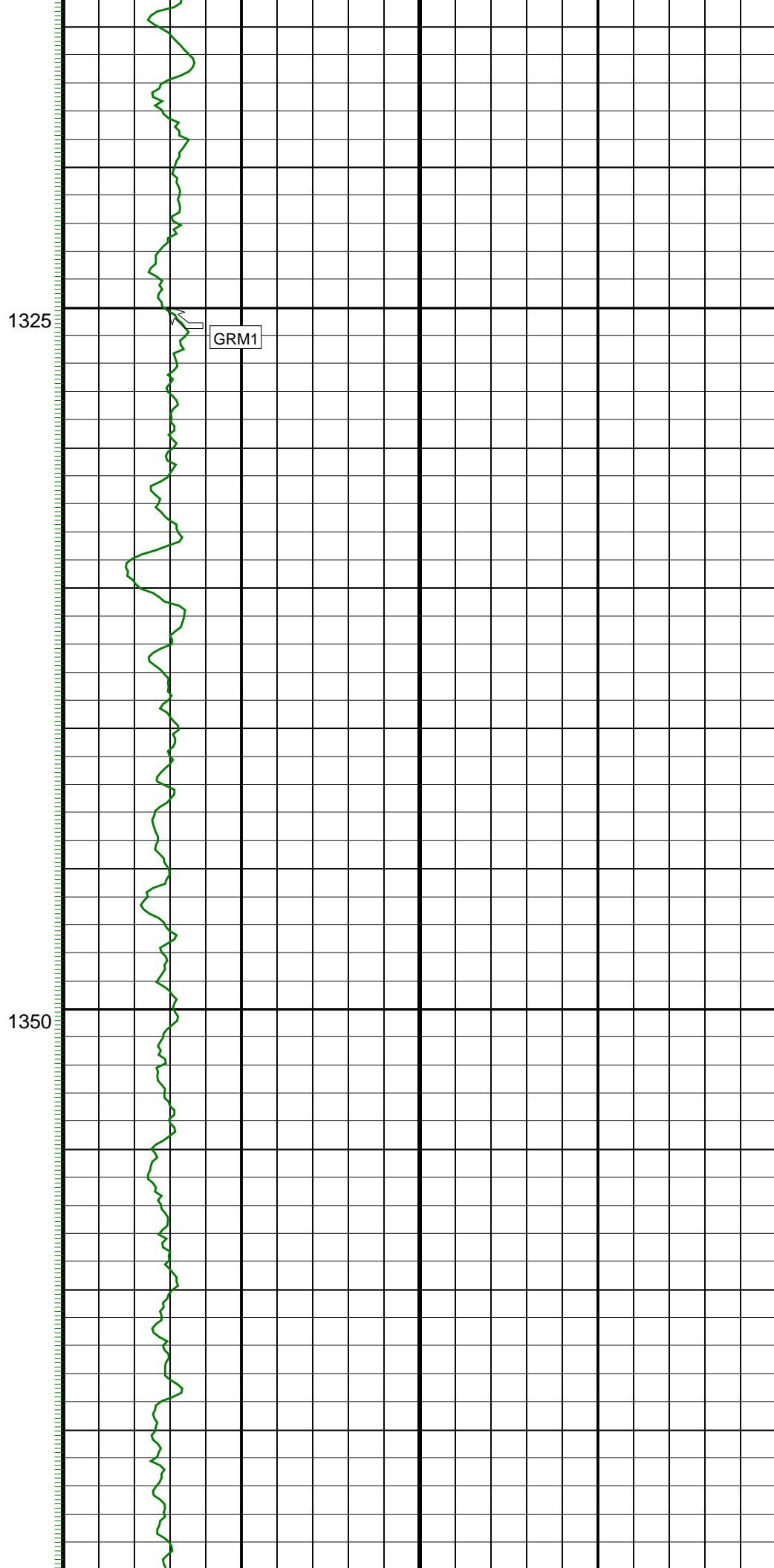




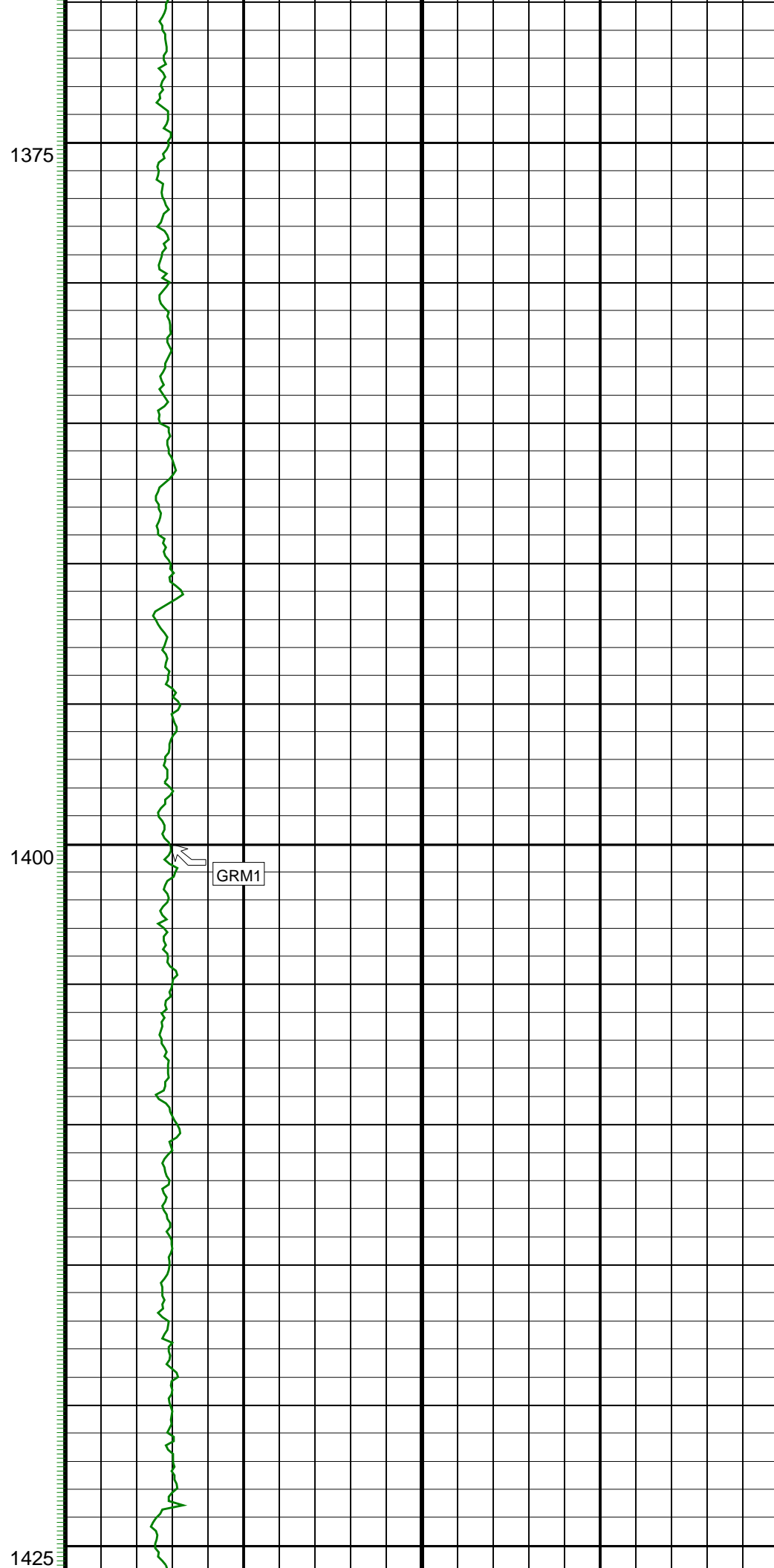
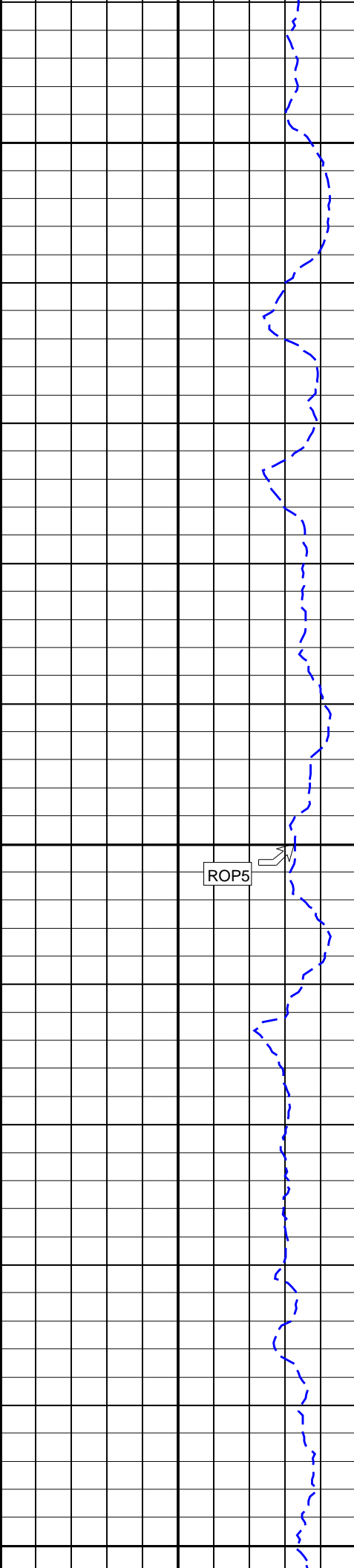


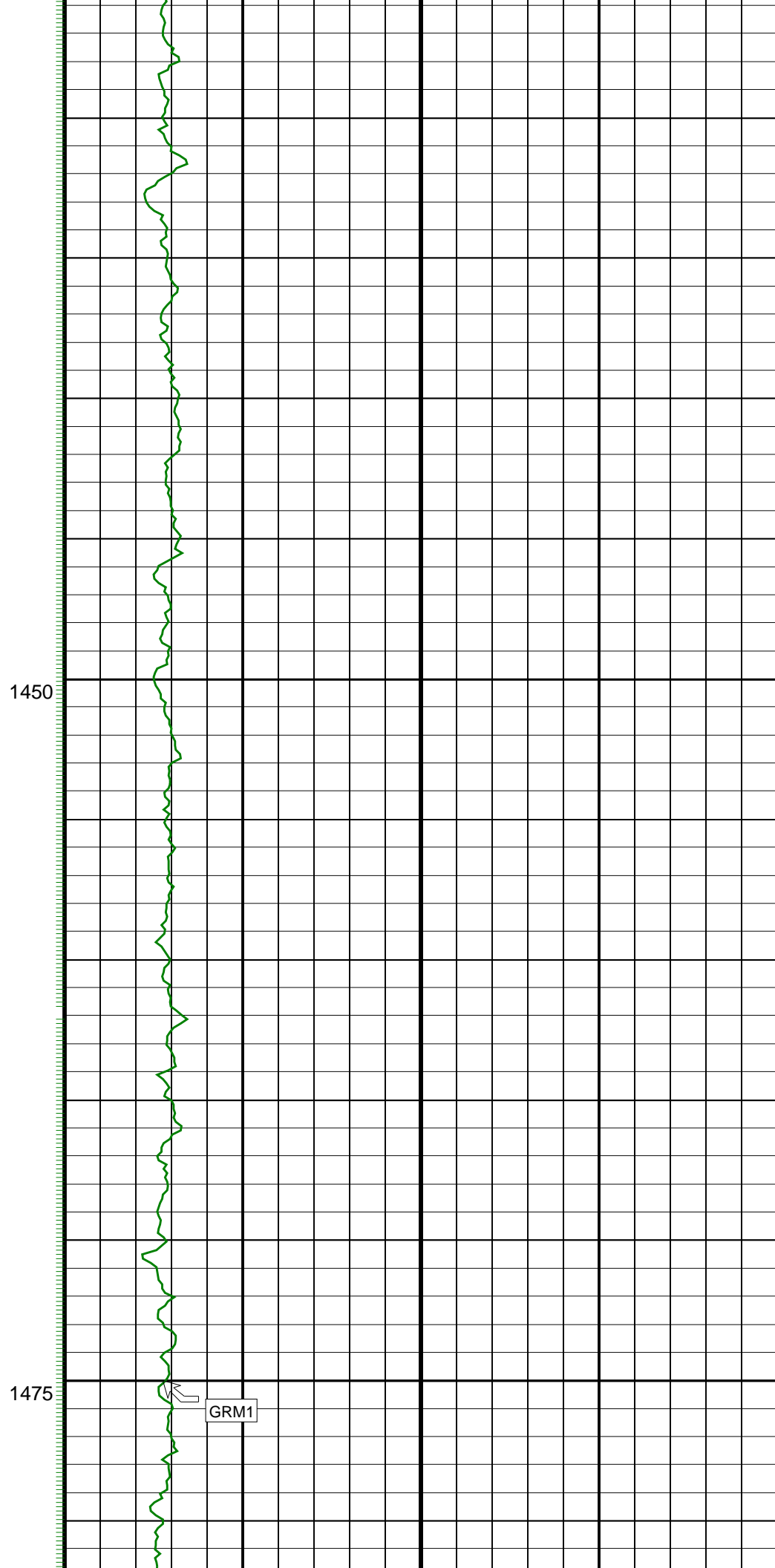
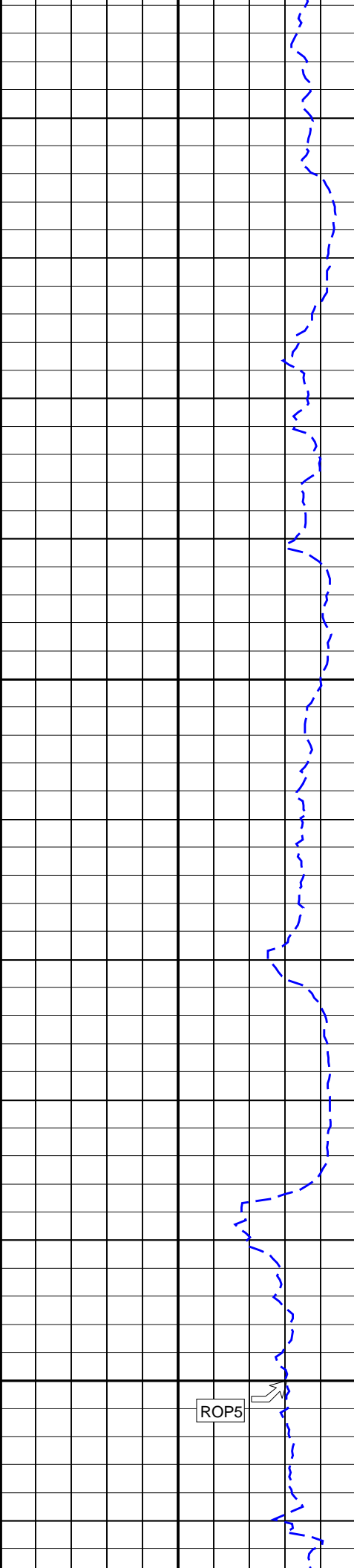


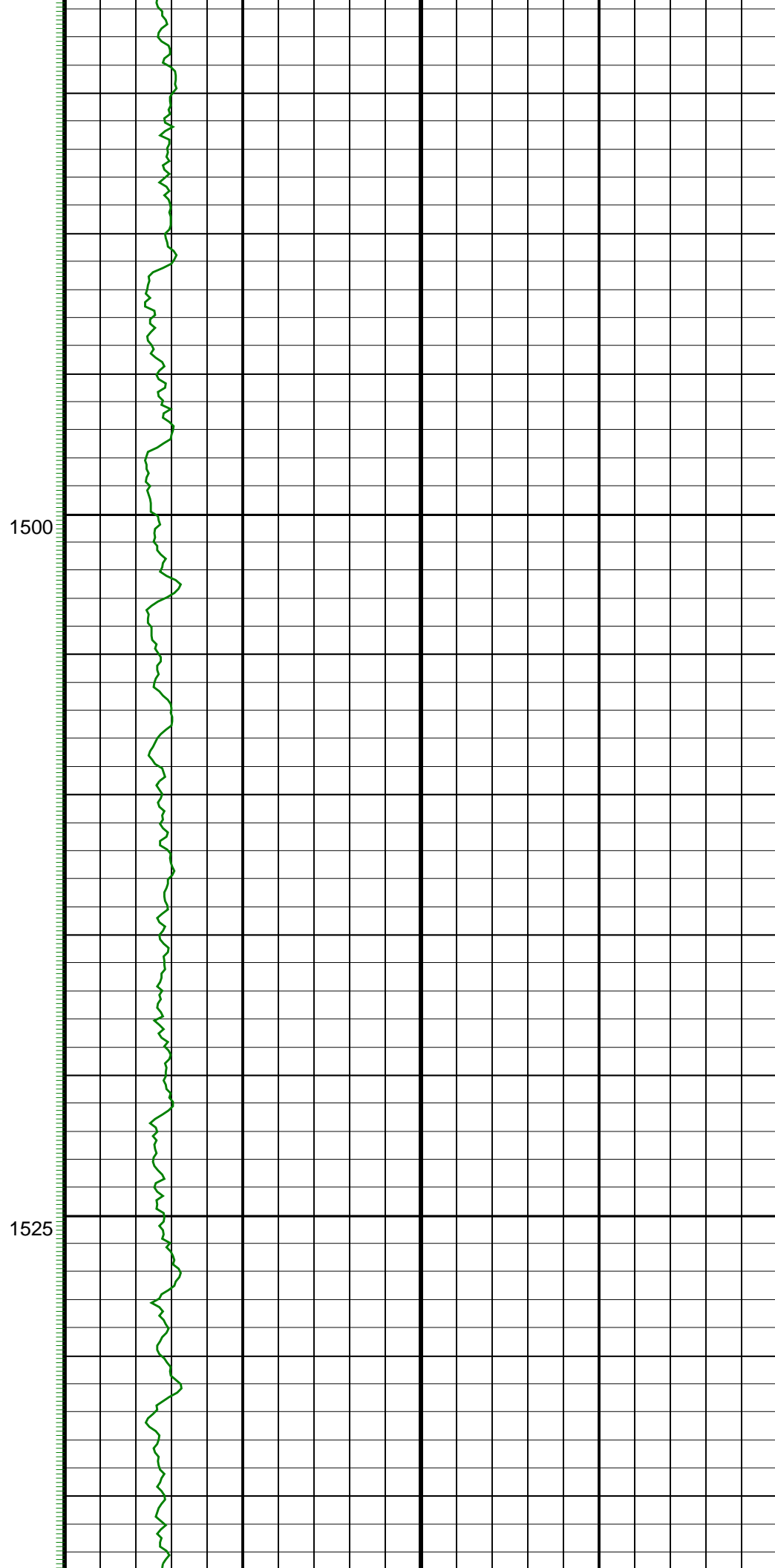
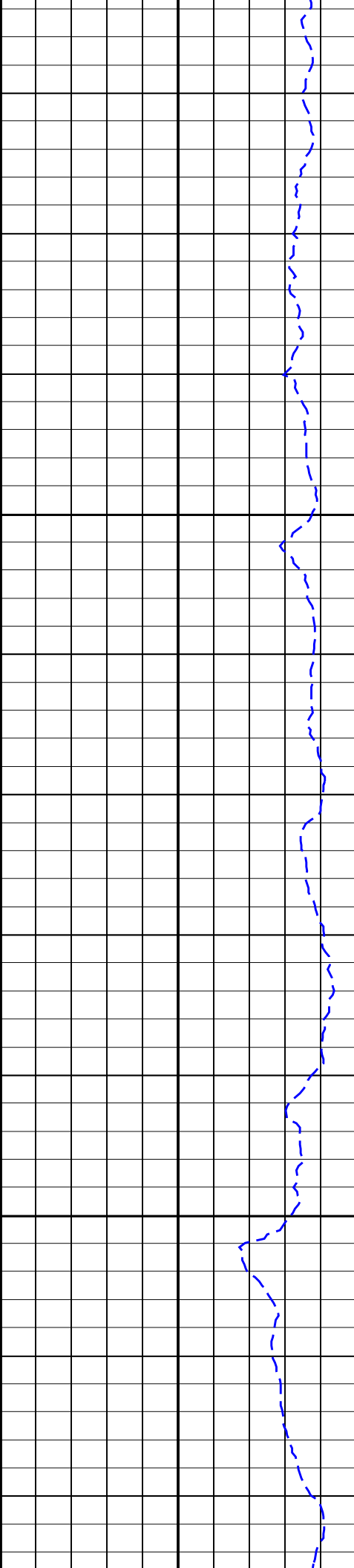
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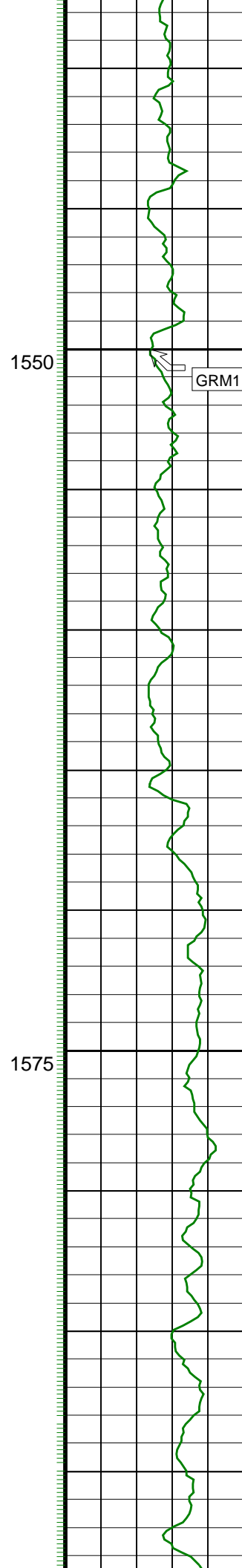
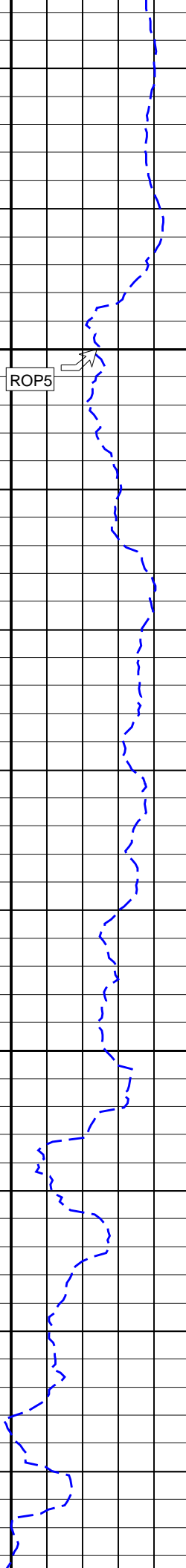


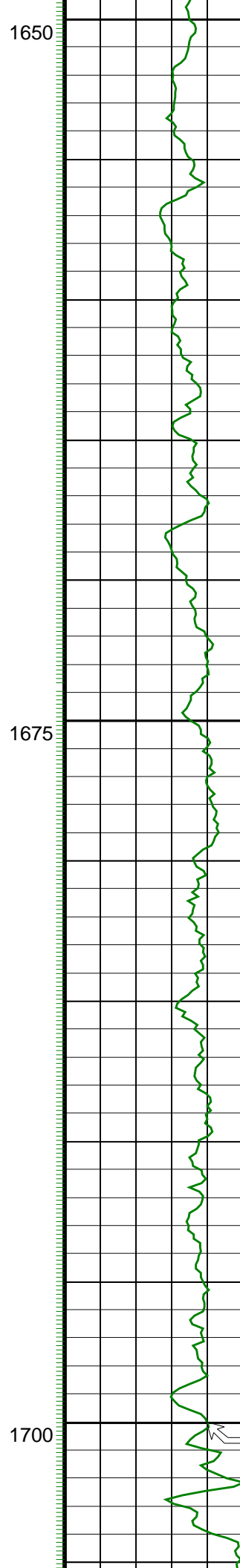
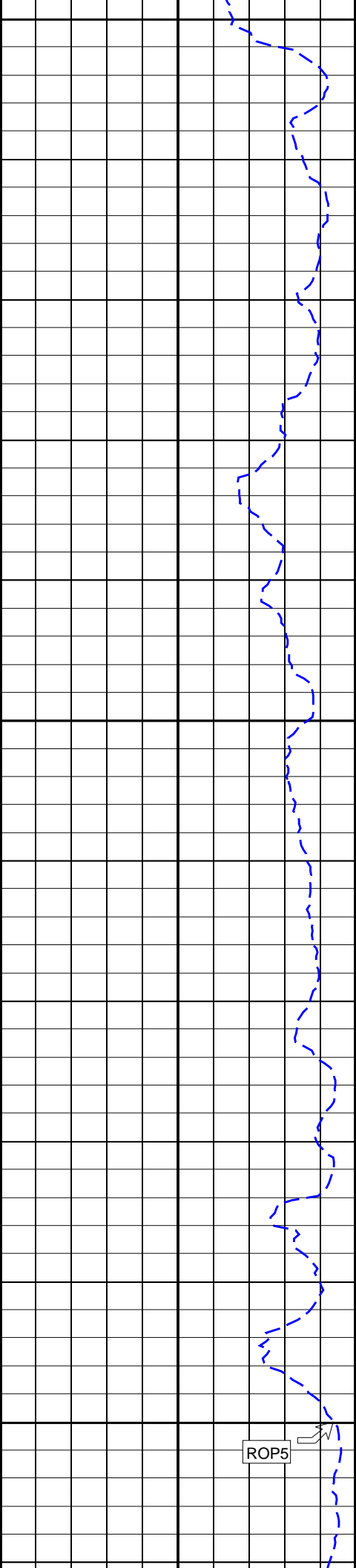
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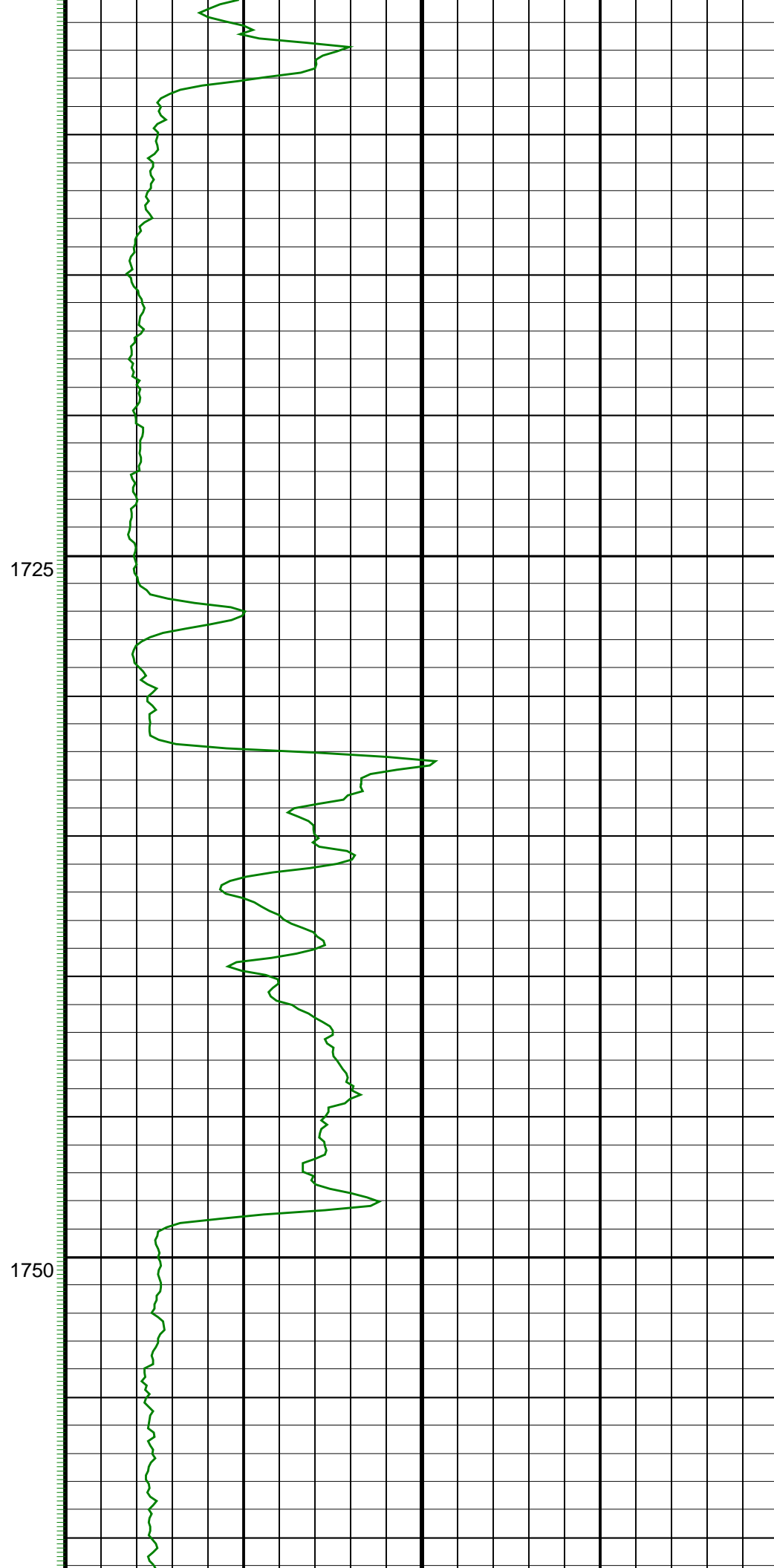
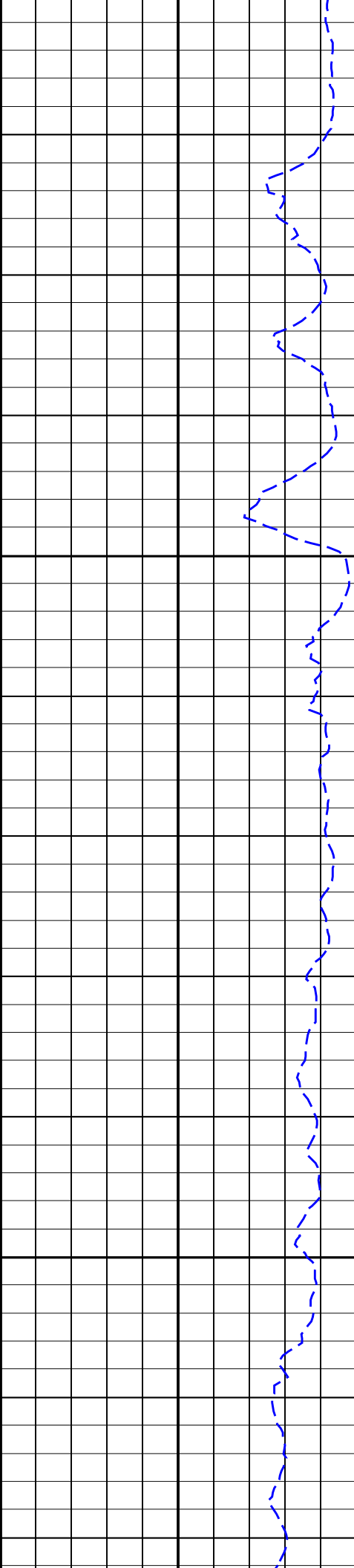


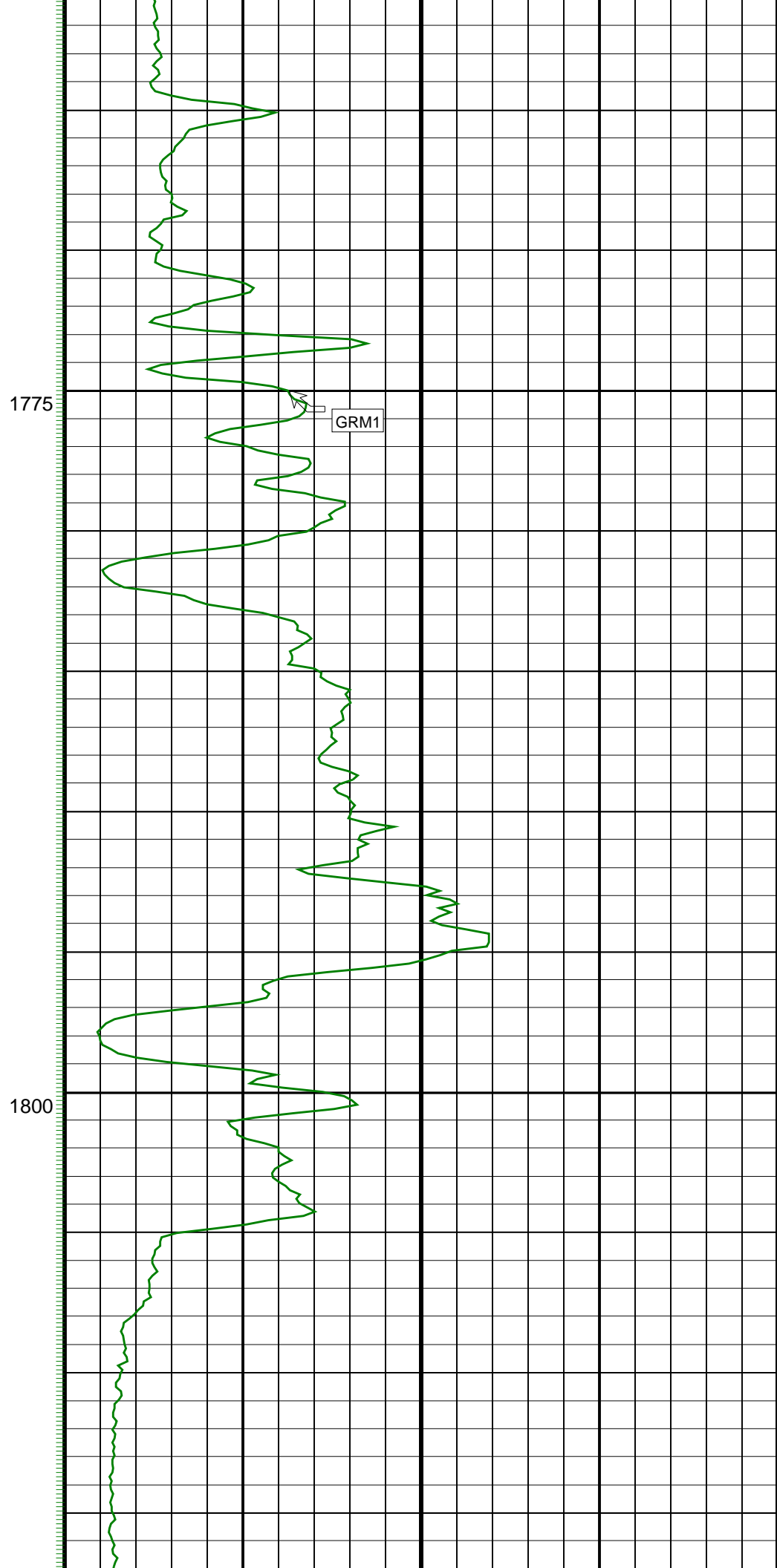
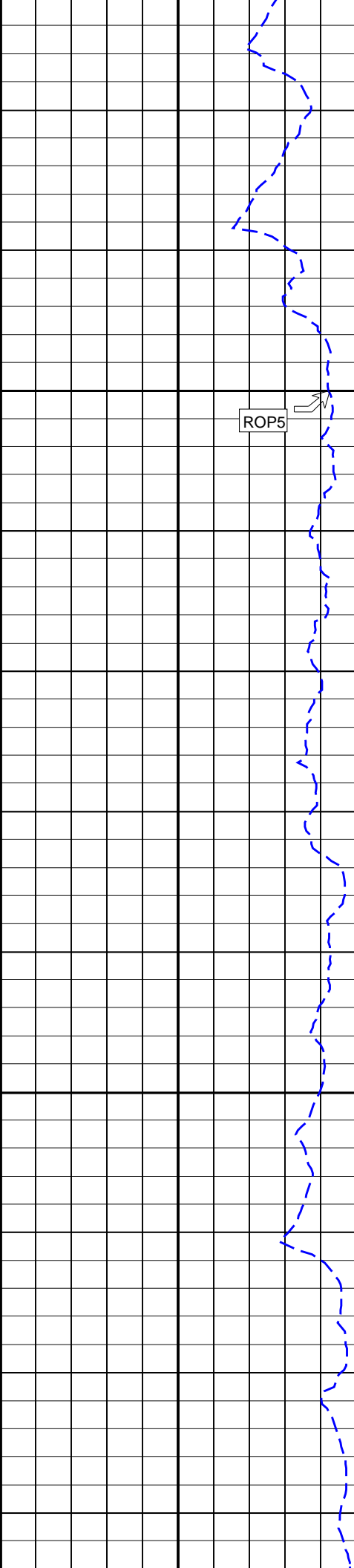


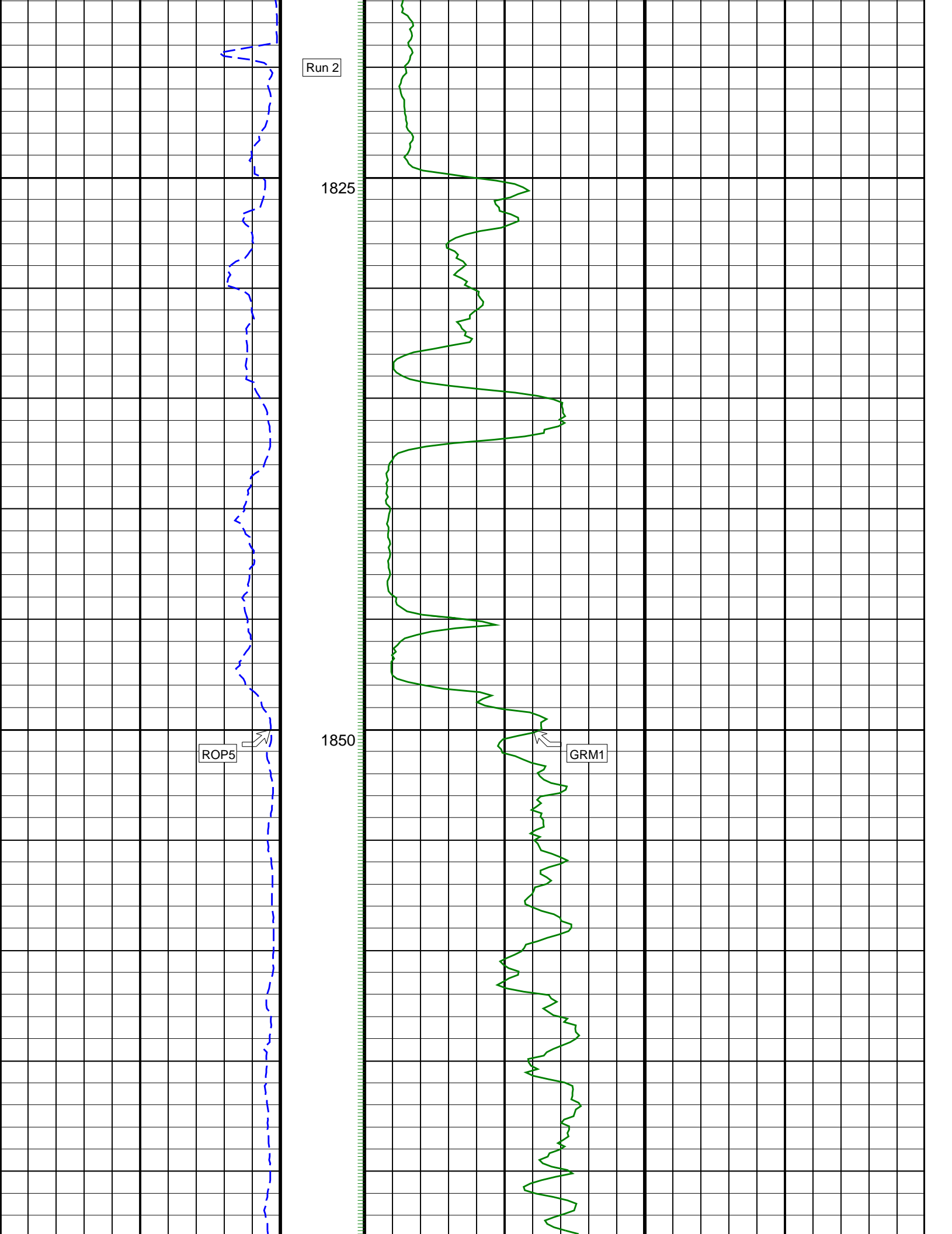


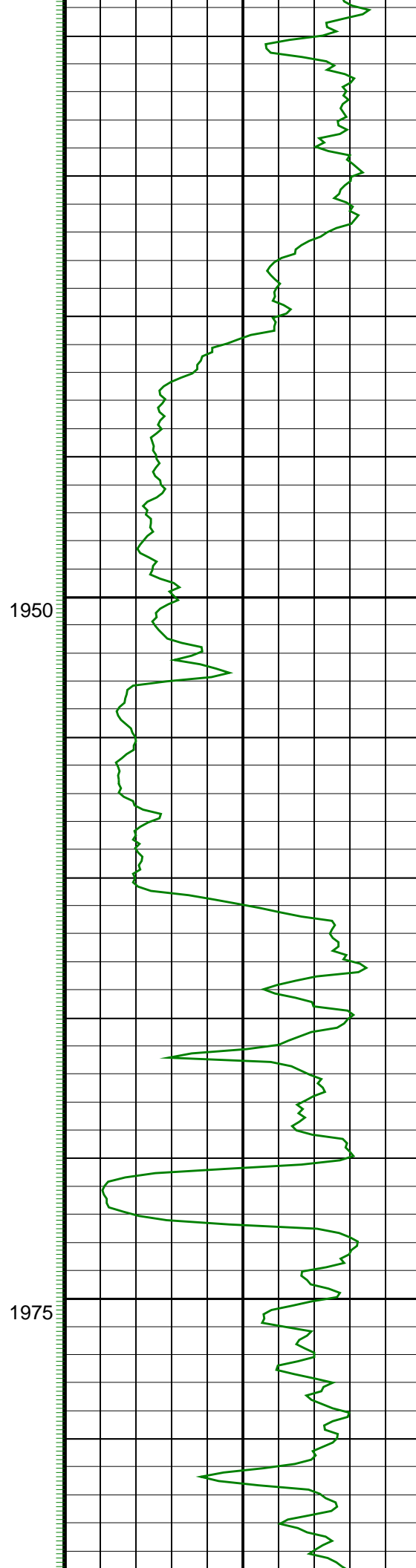
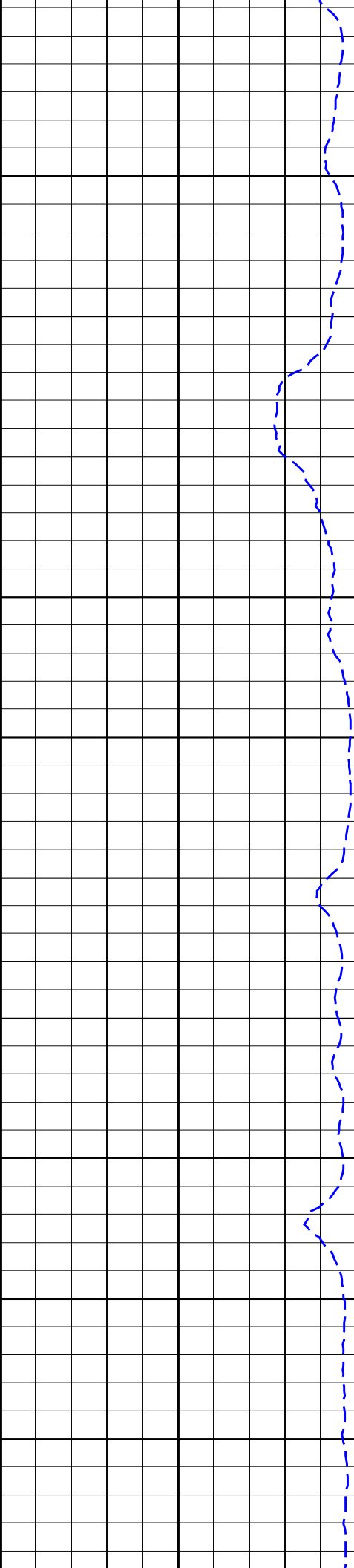






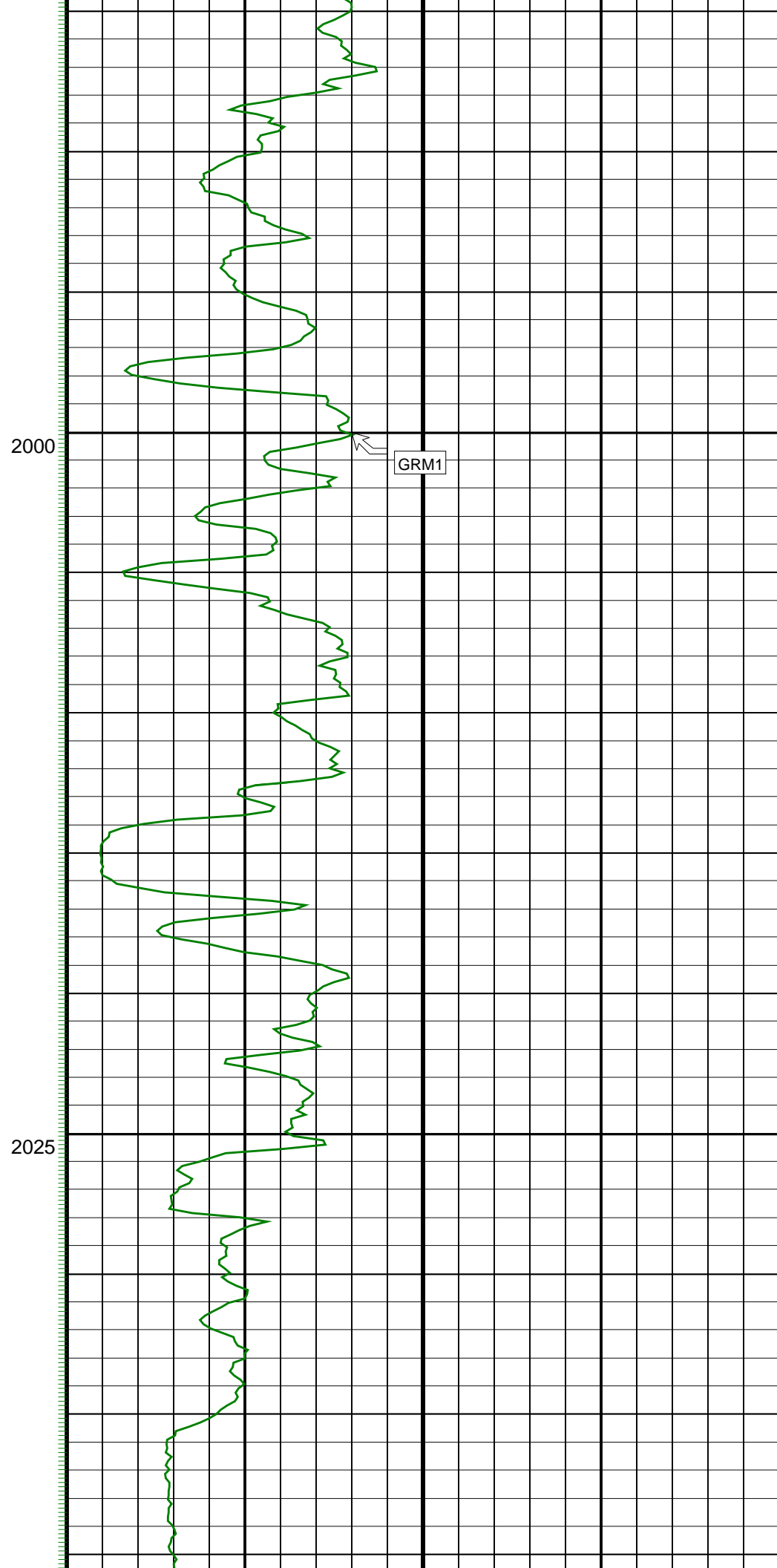
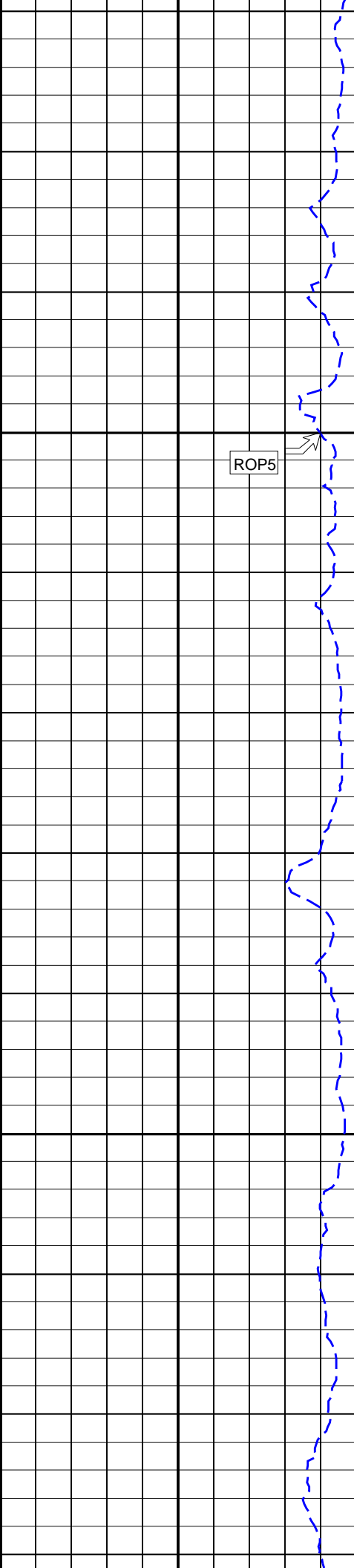


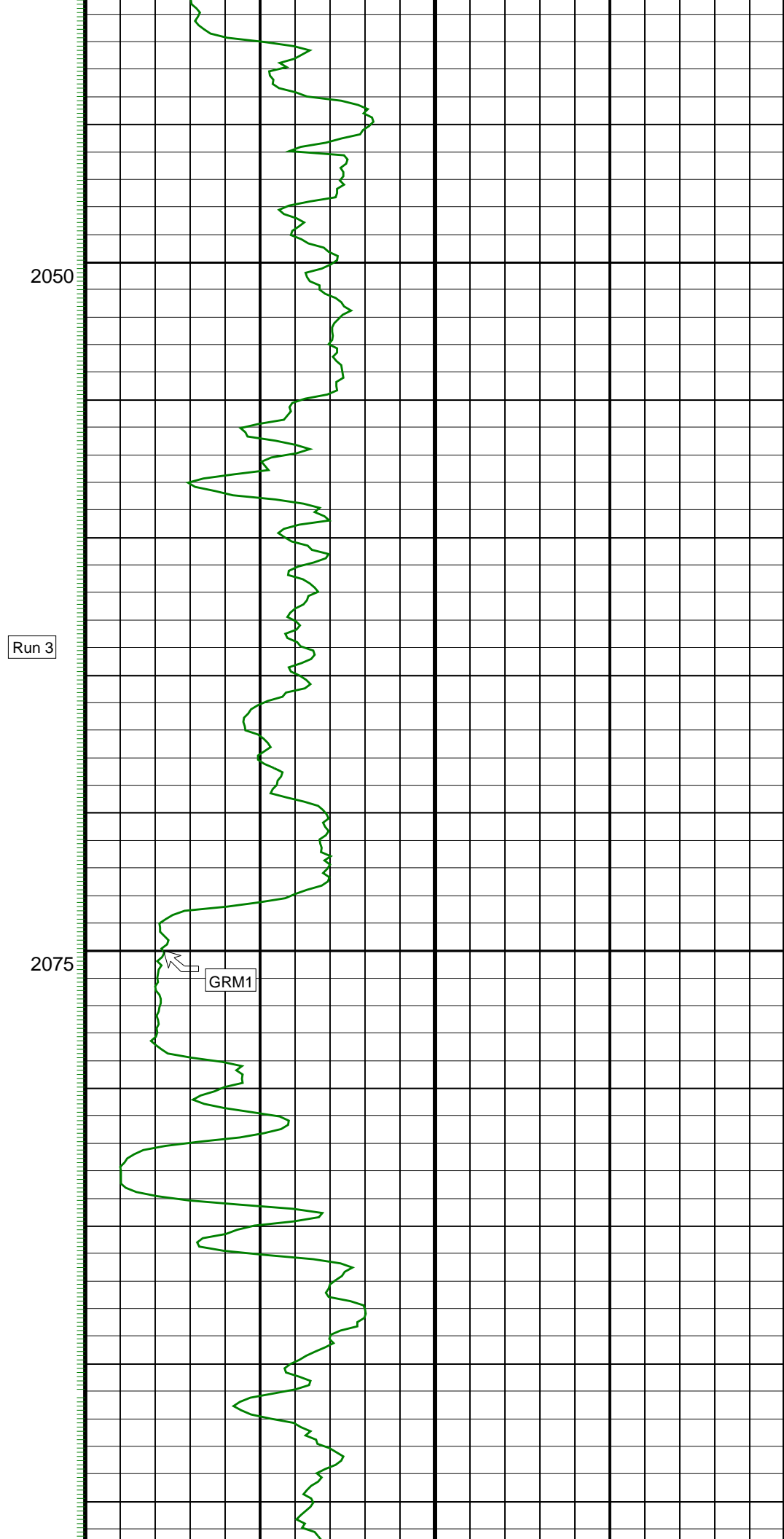
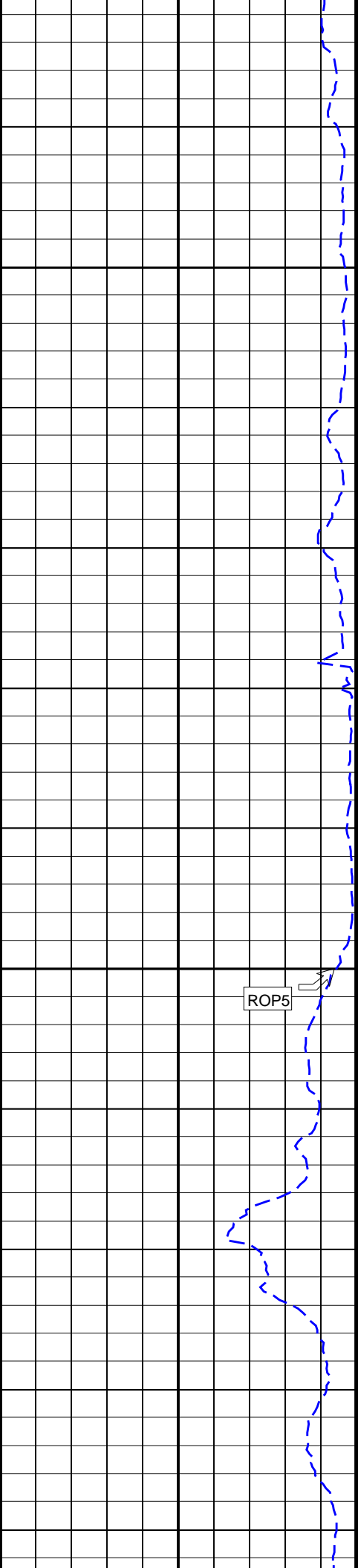


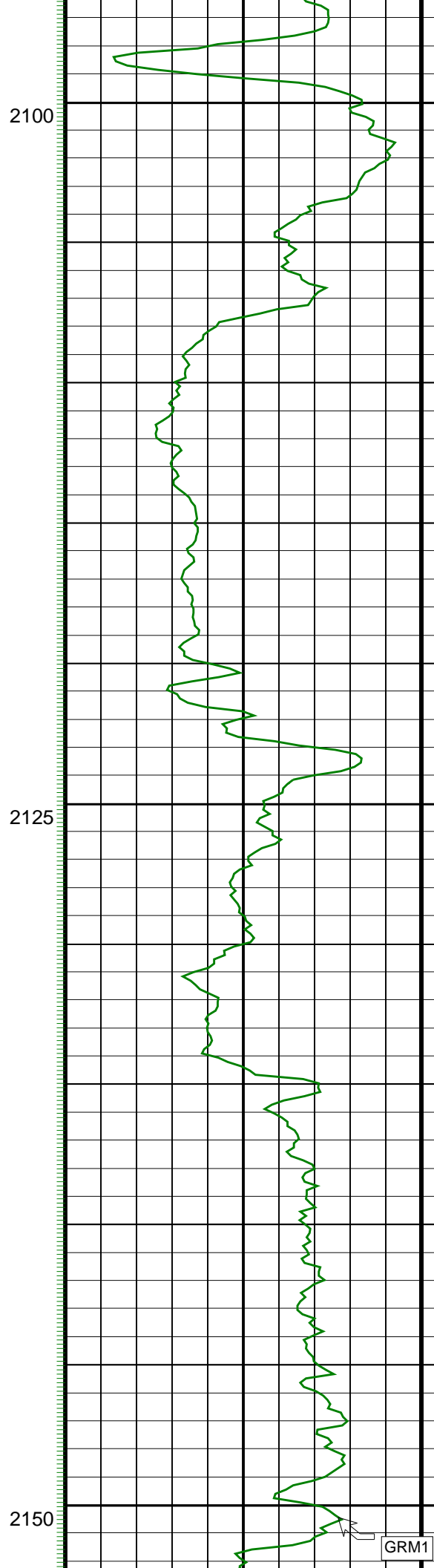
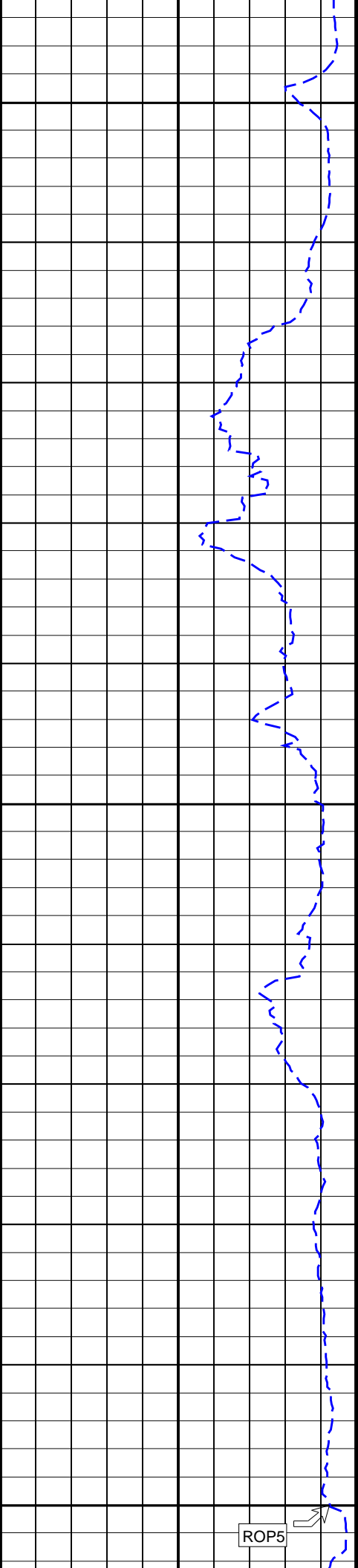


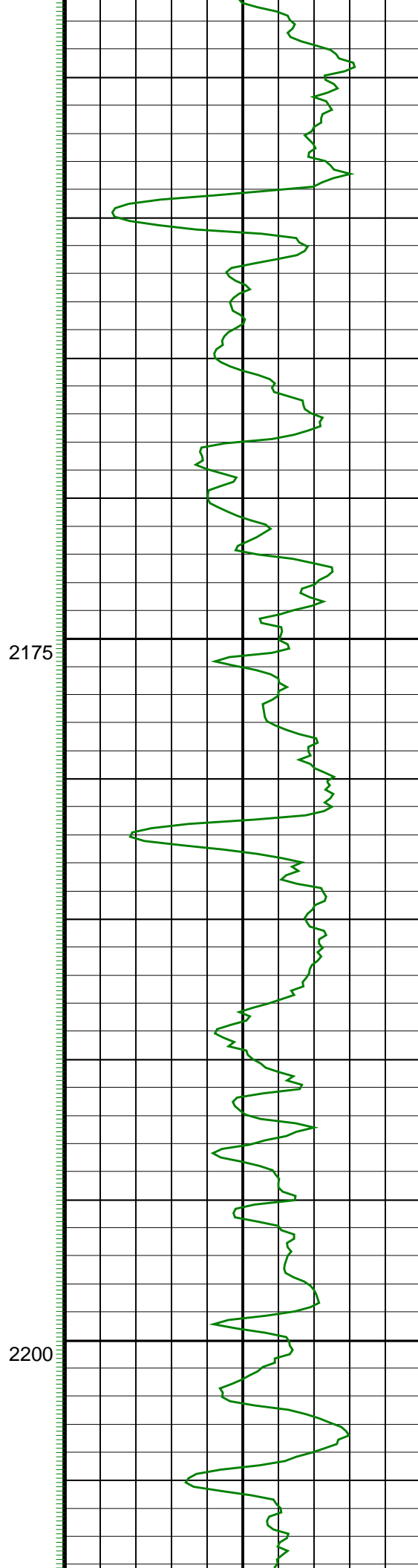
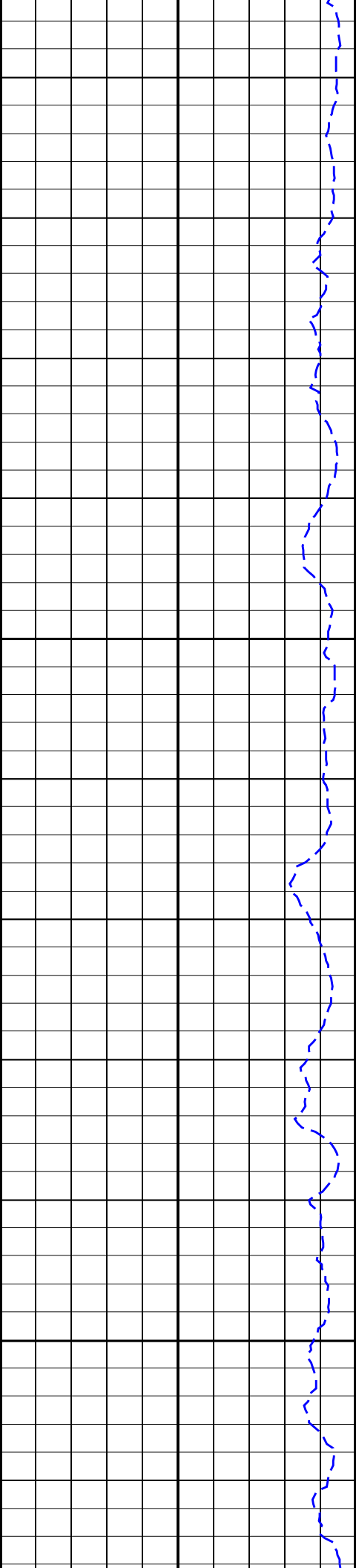
1950

1975



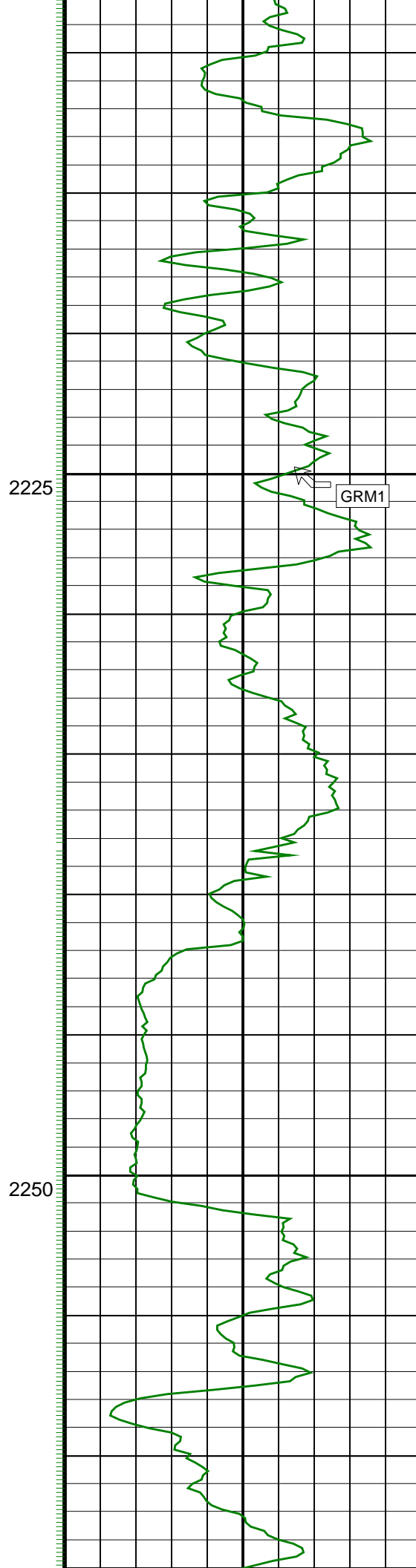
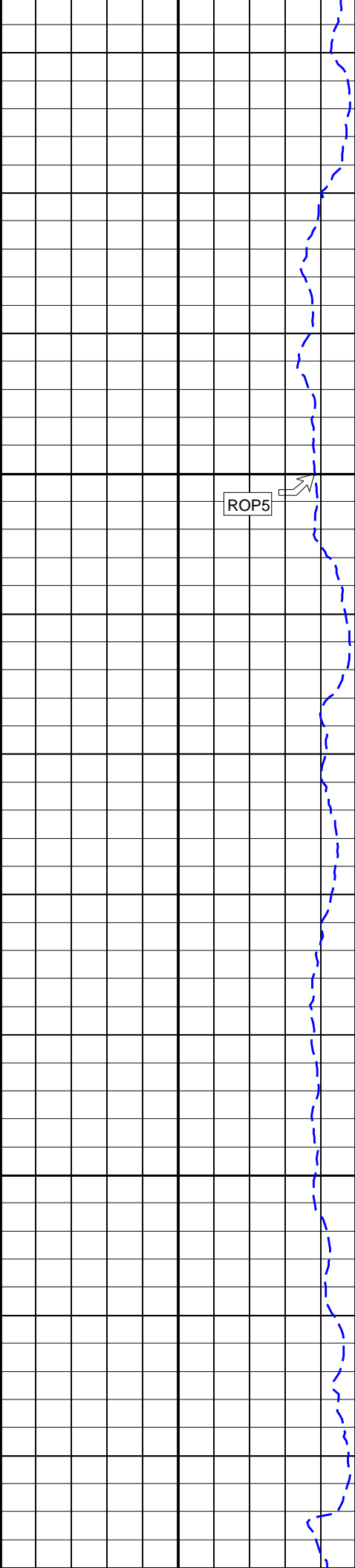


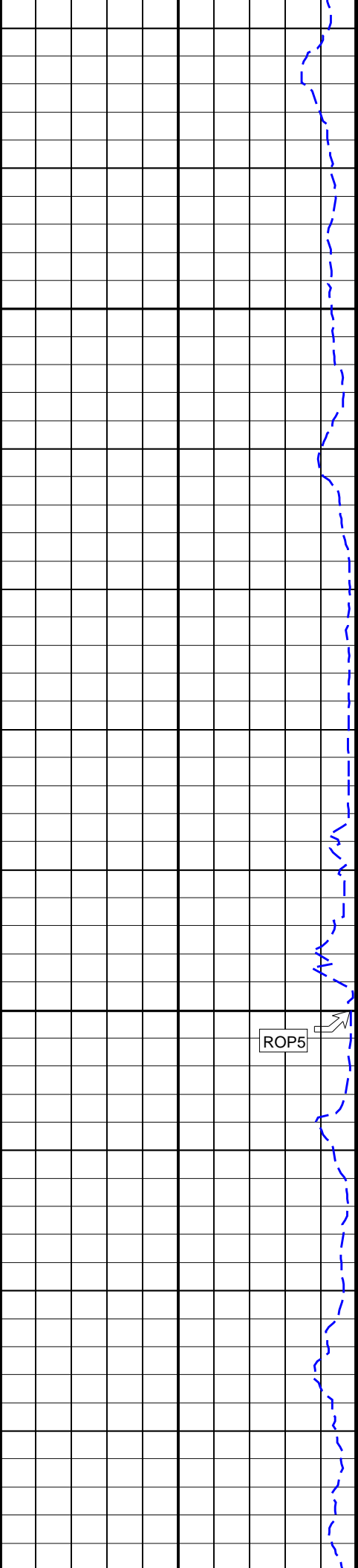




2175

2200

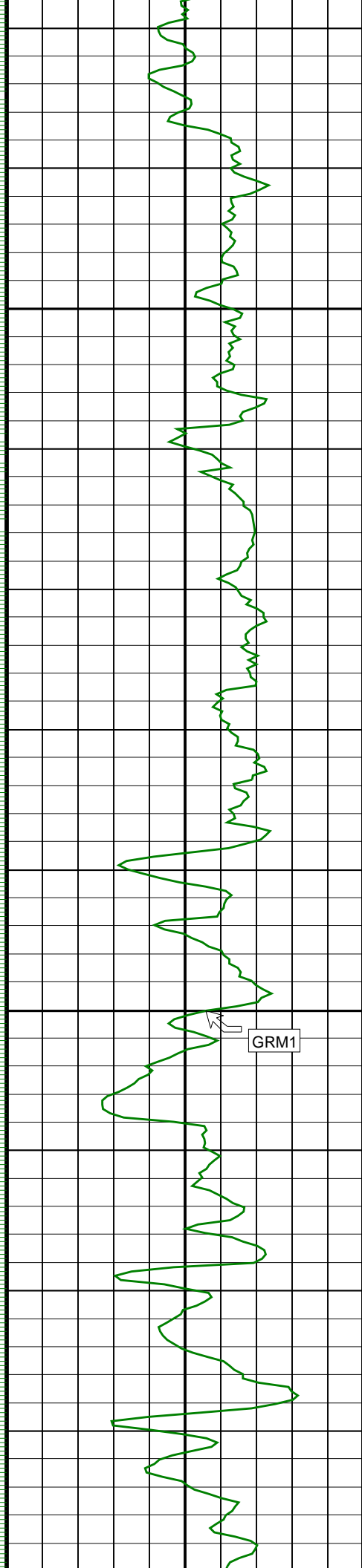


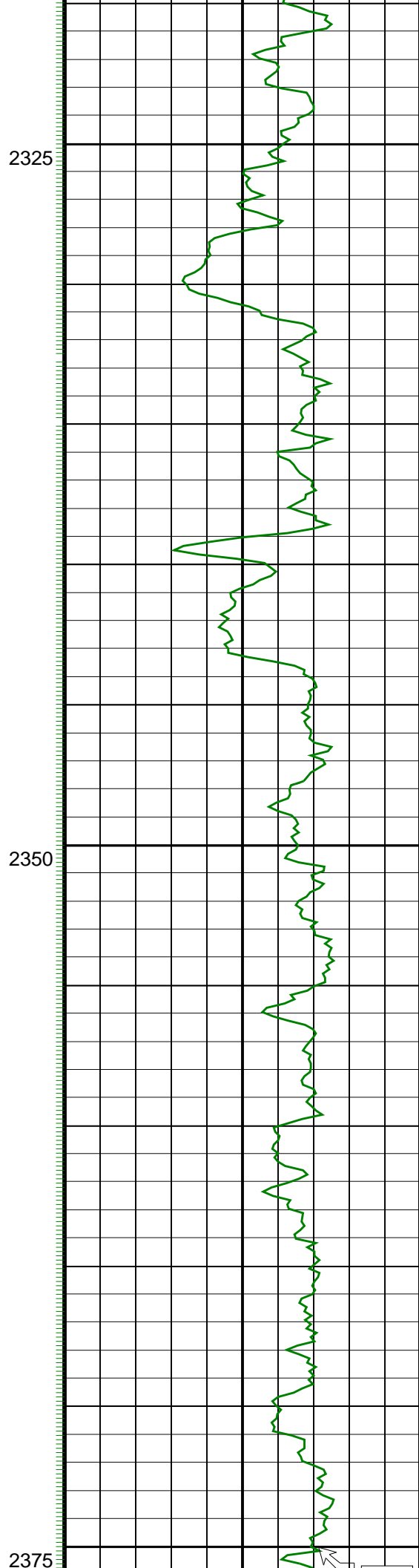
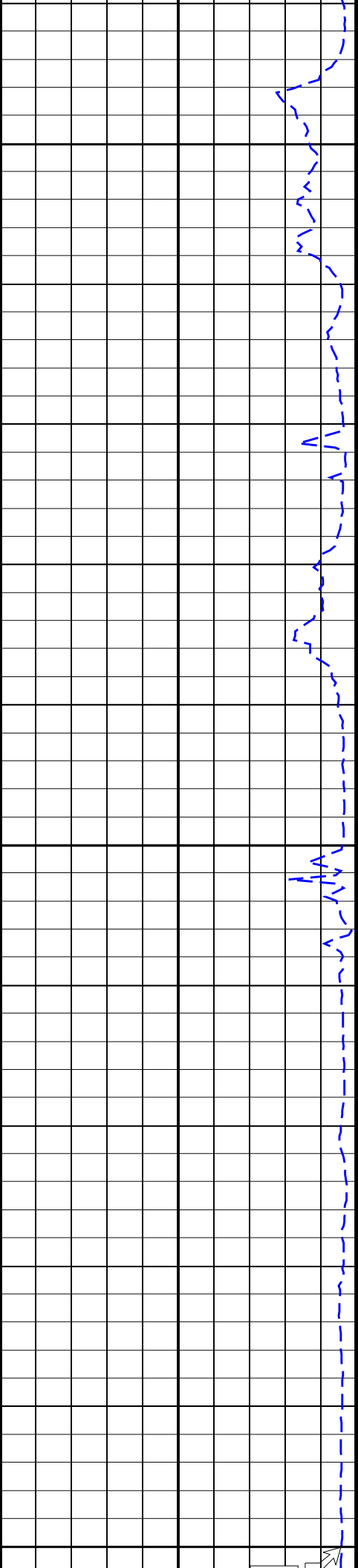


Run 4

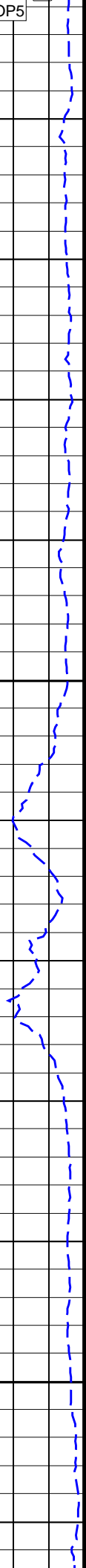
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2275





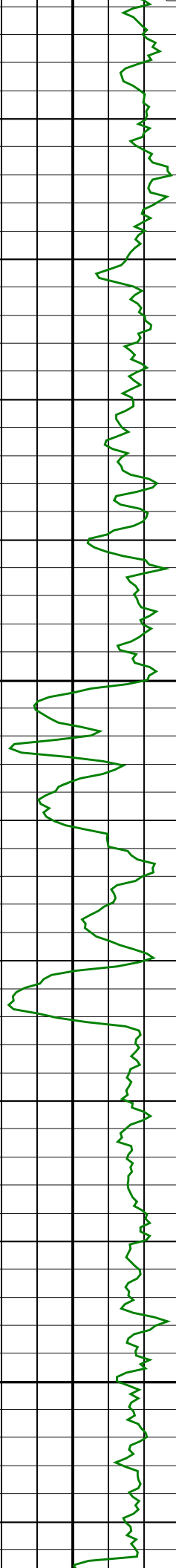
ROP5

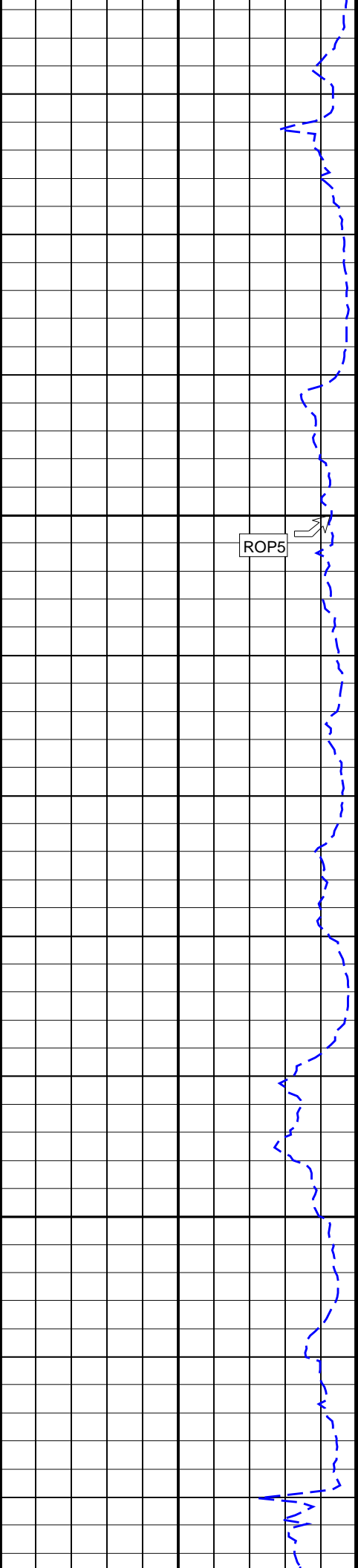


GRM1

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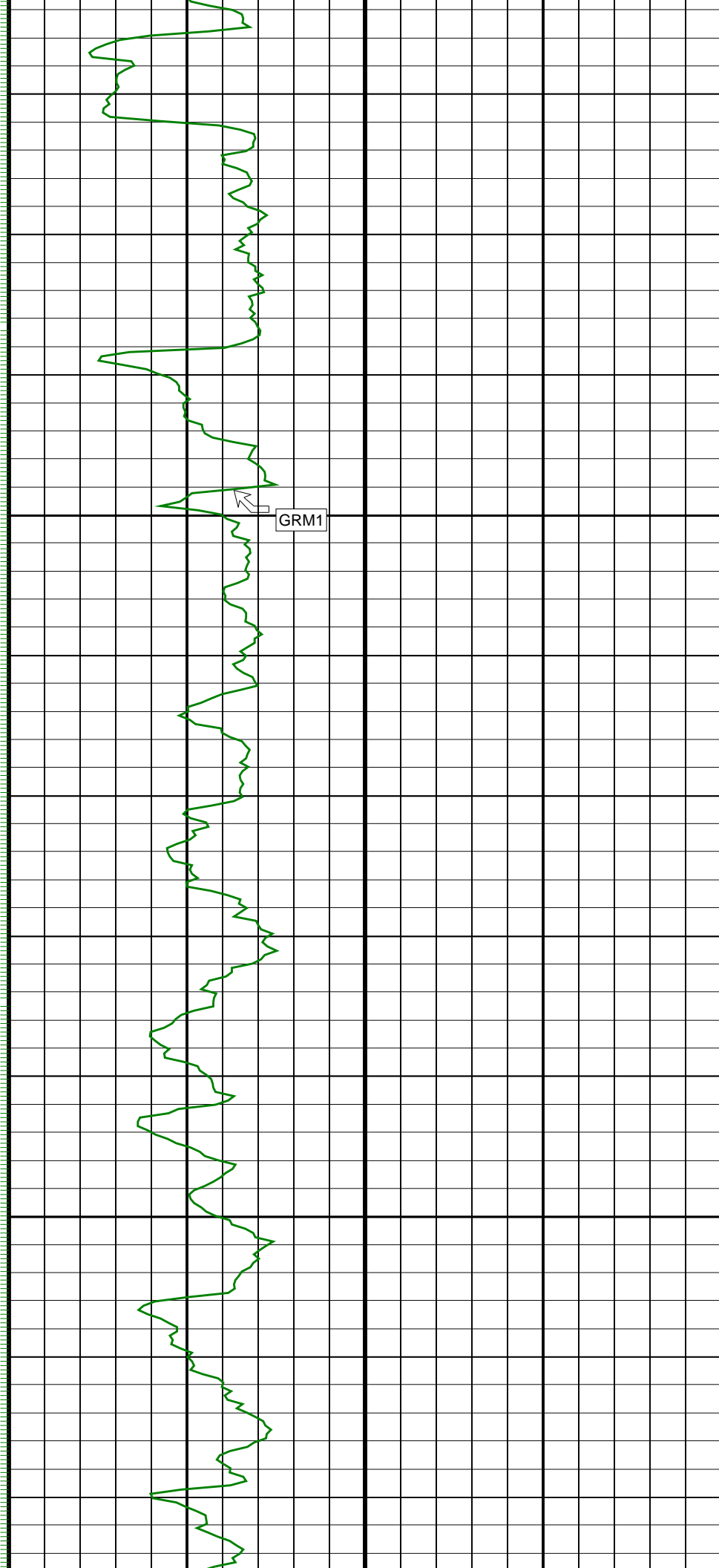
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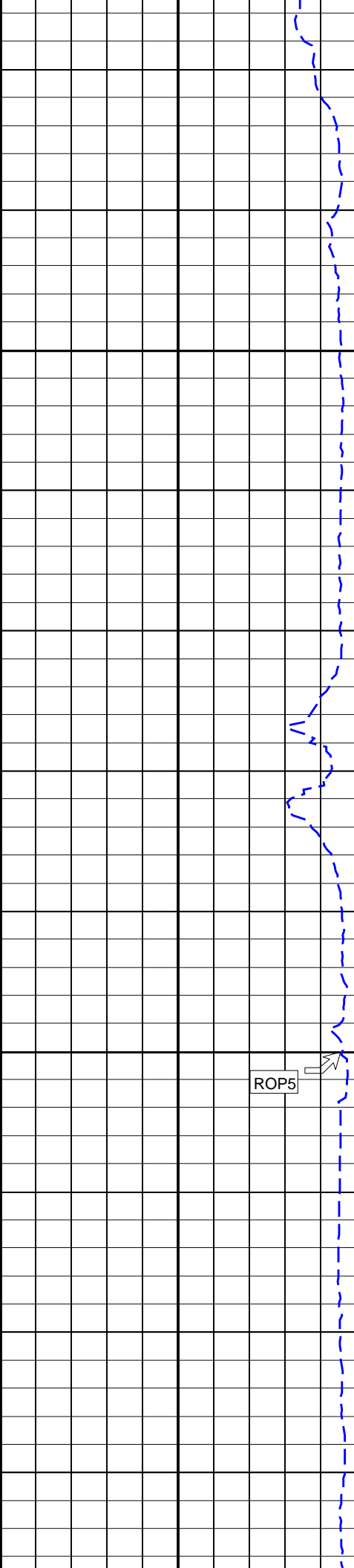




2450

2475

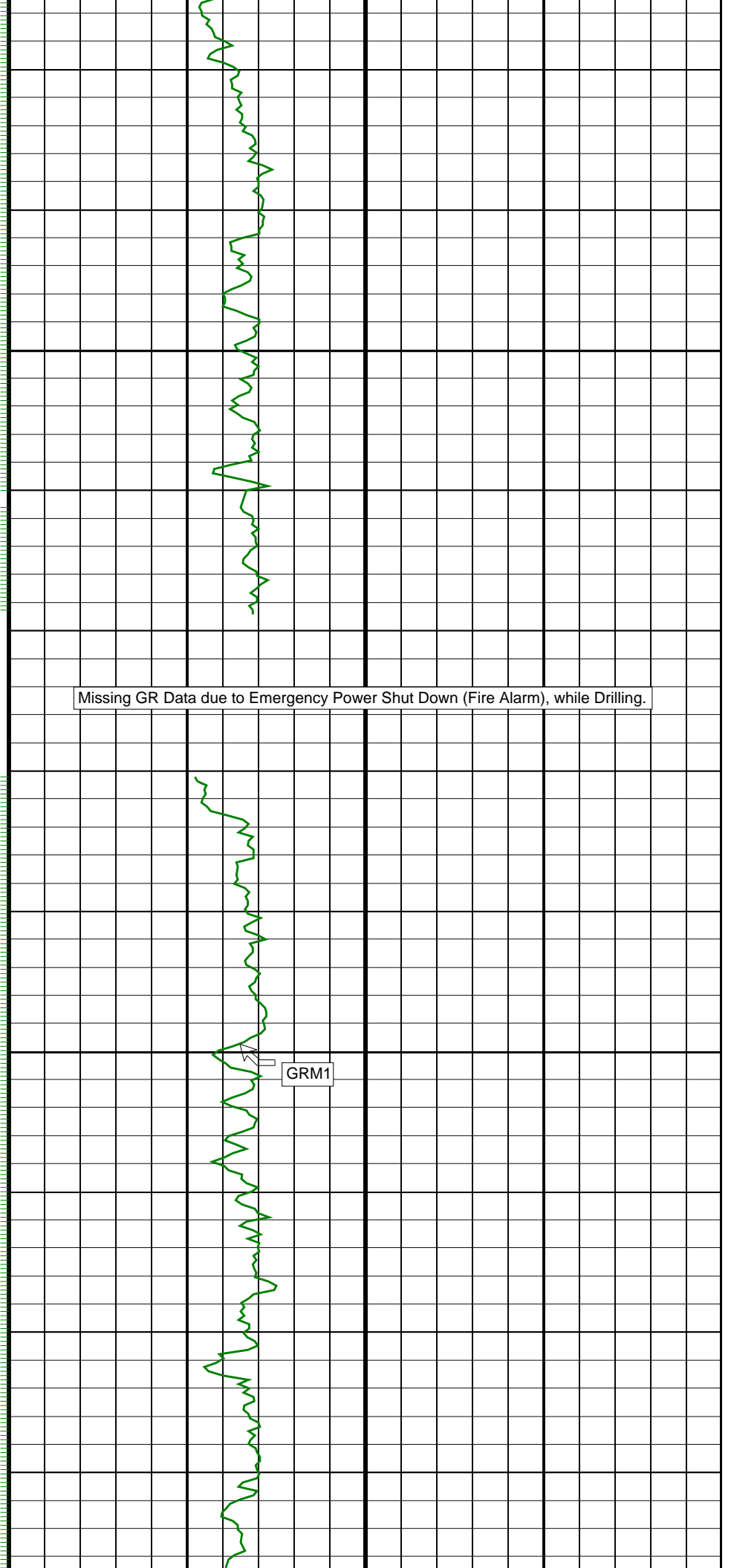




ROP5

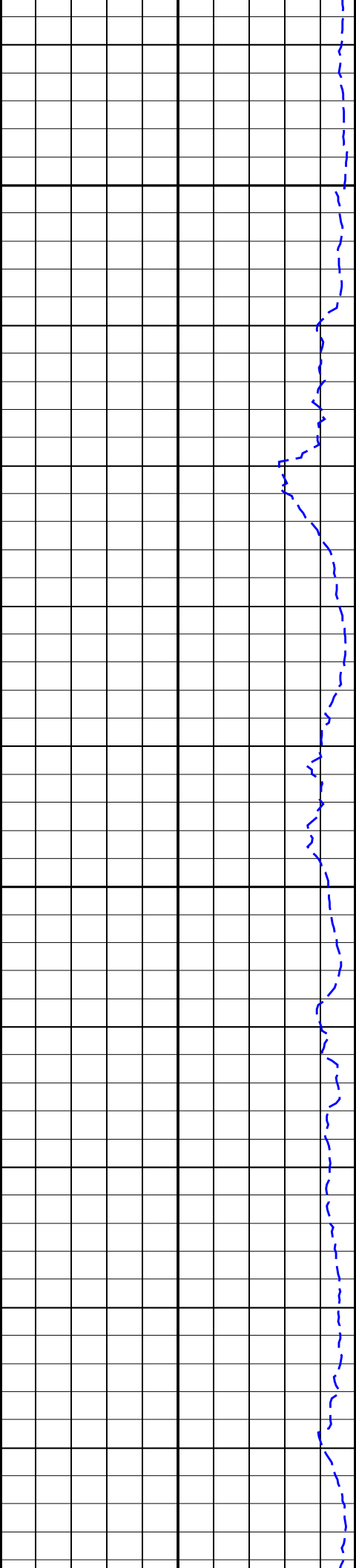
2500

2525



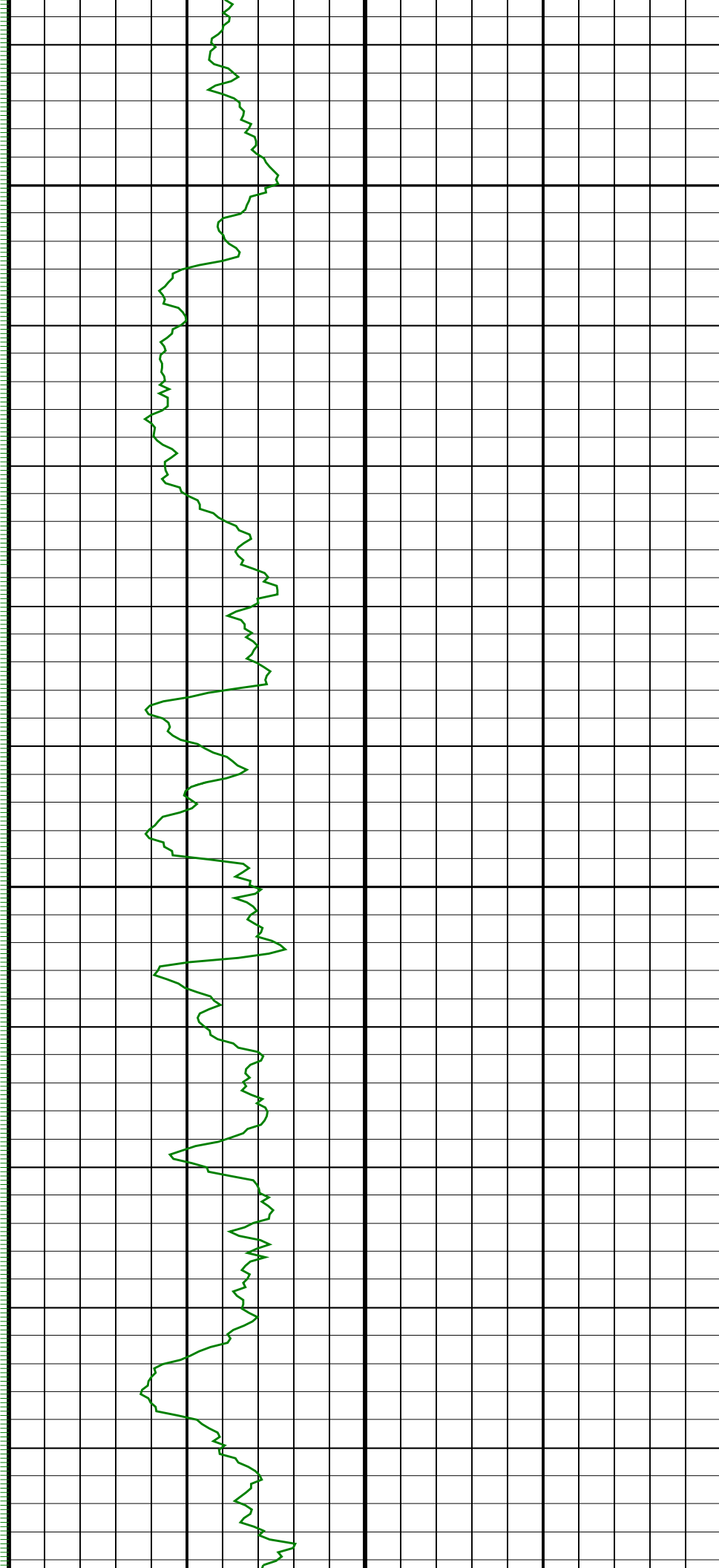
Missing GR Data due to Emergency Power Shut Down (Fire Alarm), while Drilling.

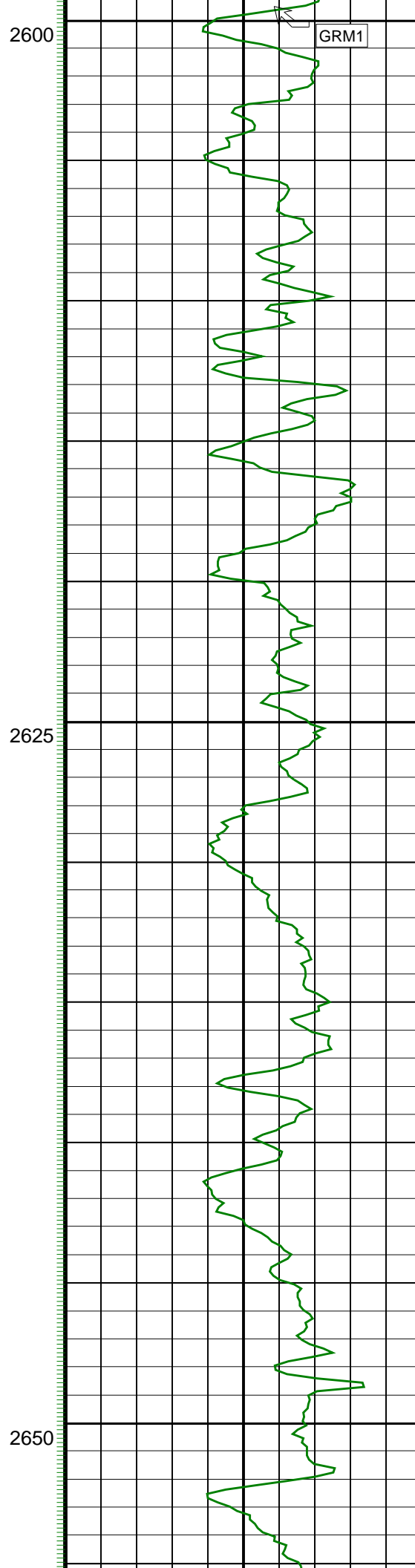
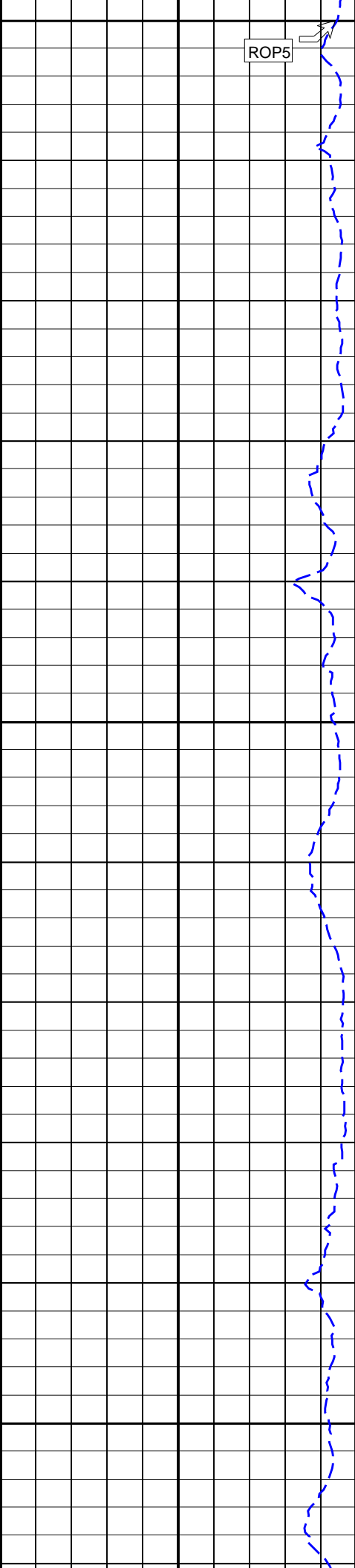
GRM1

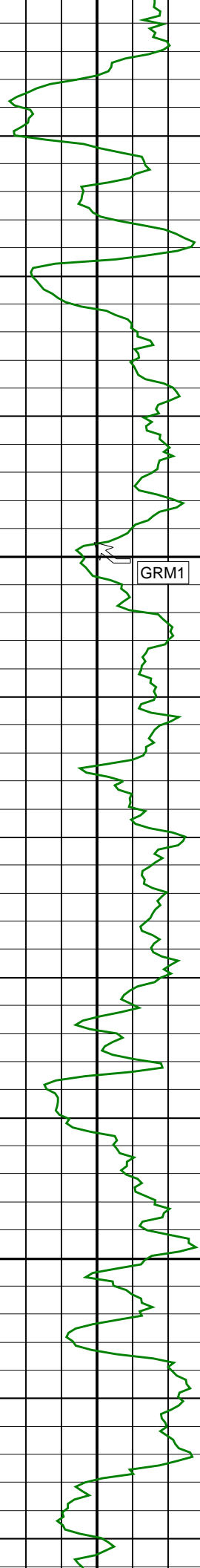
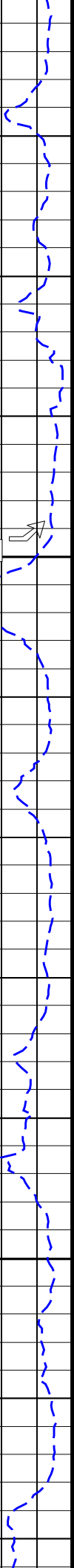


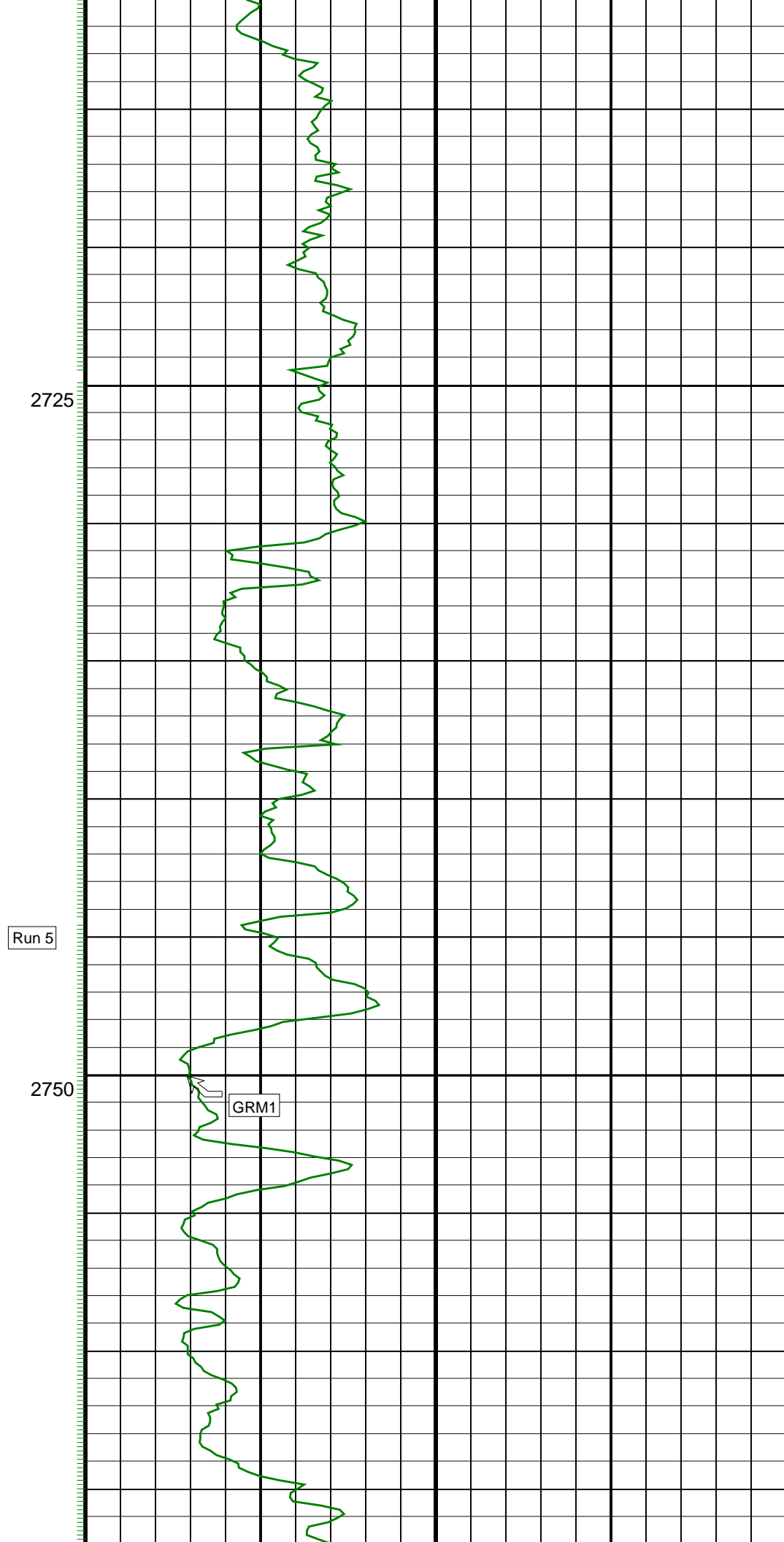
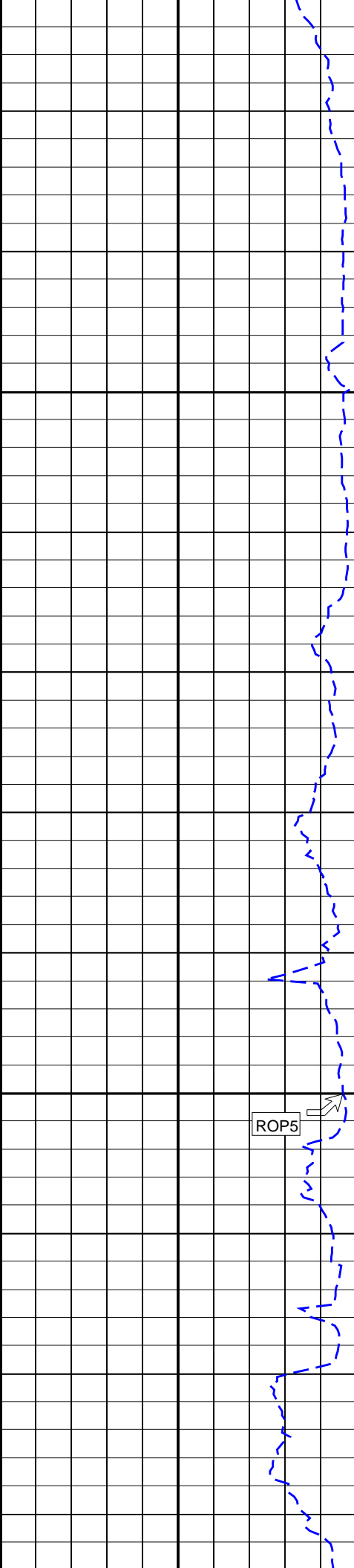
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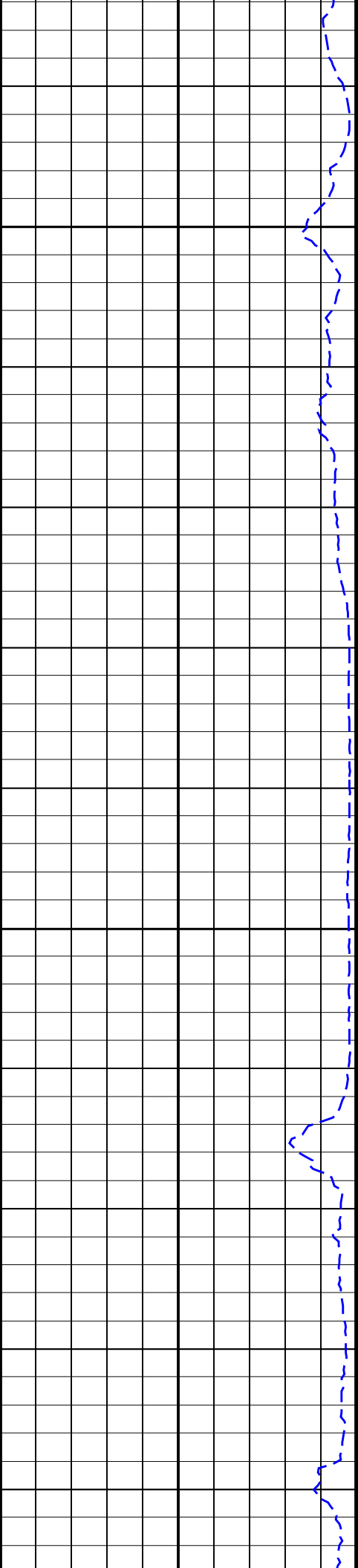
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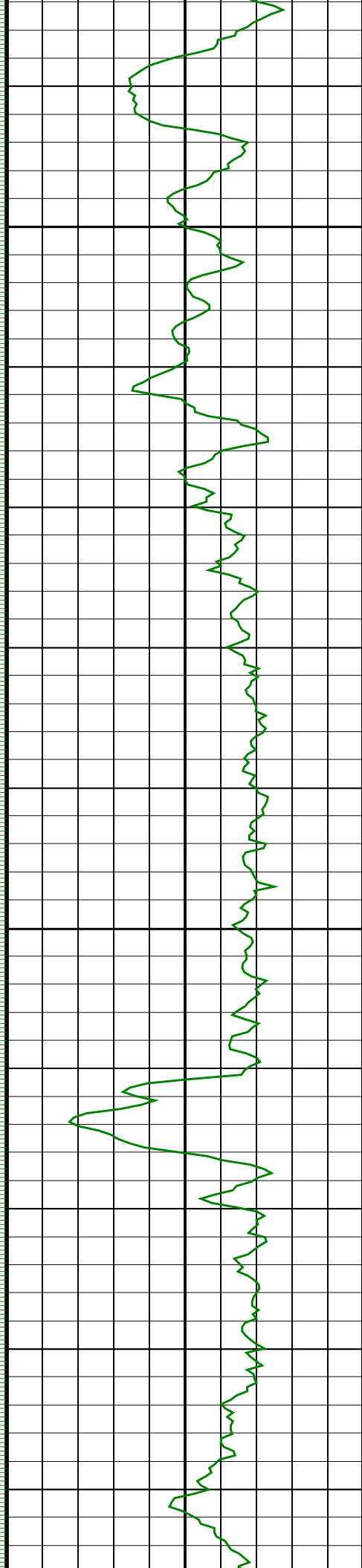


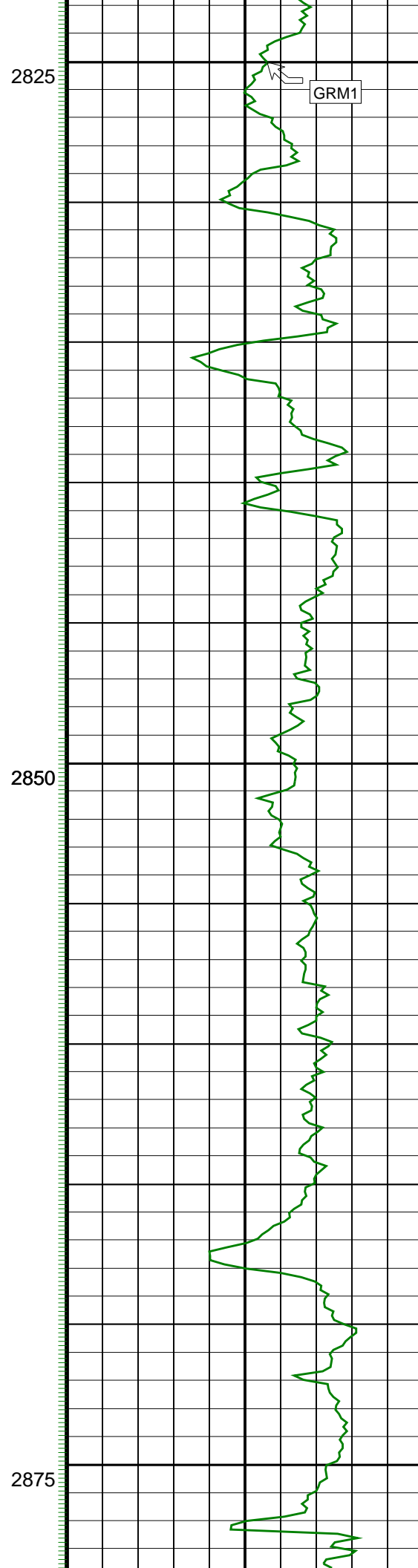
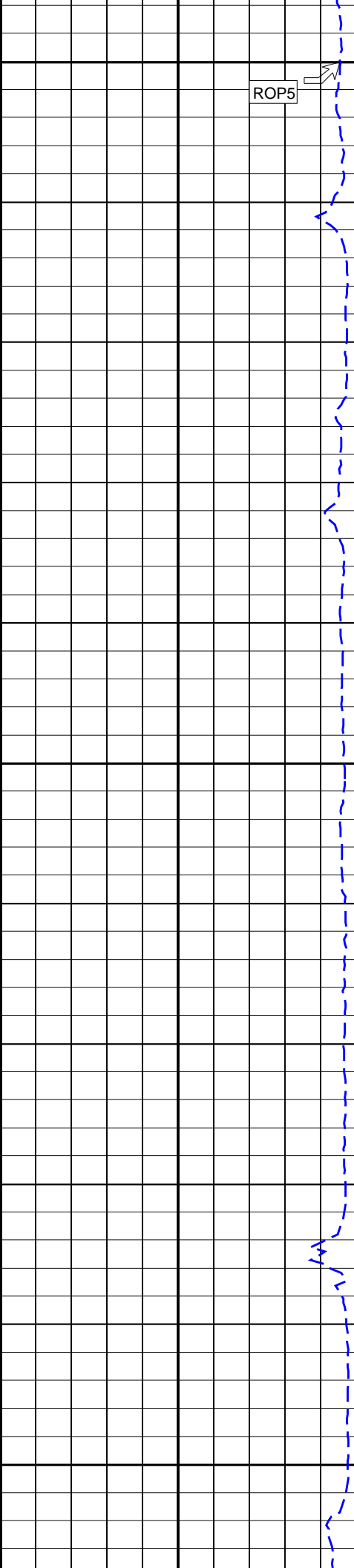


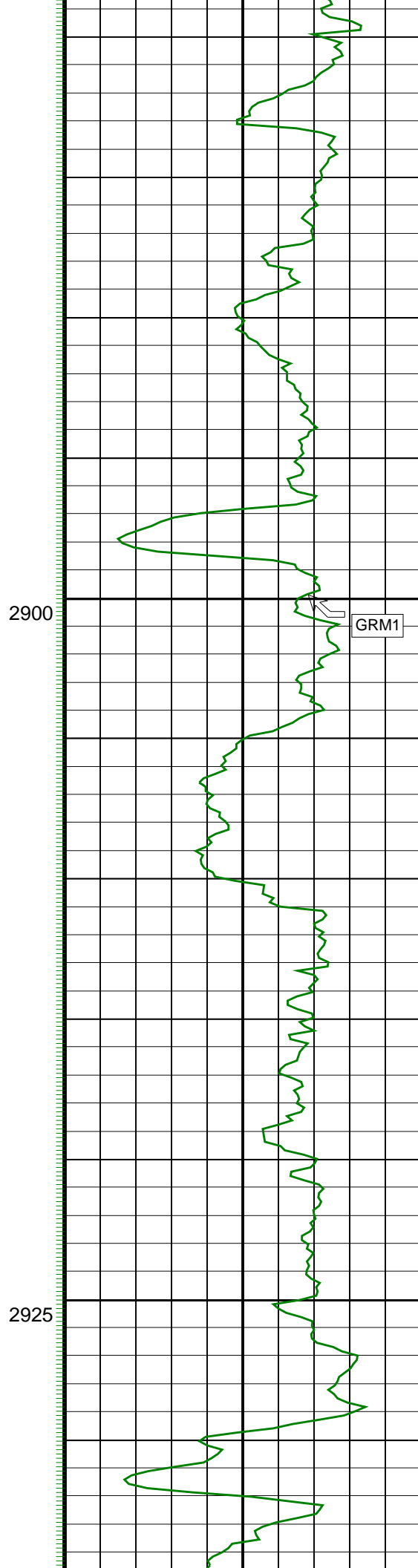
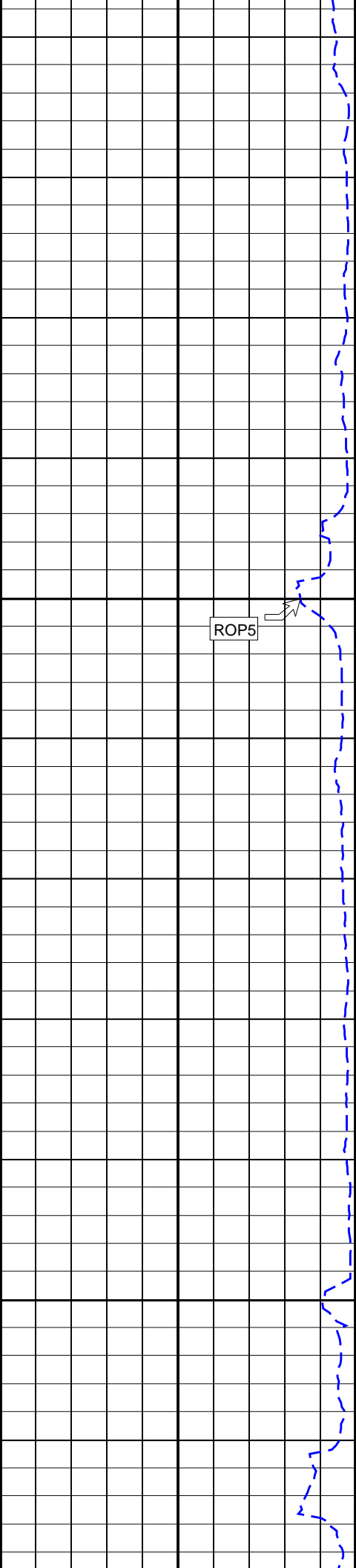


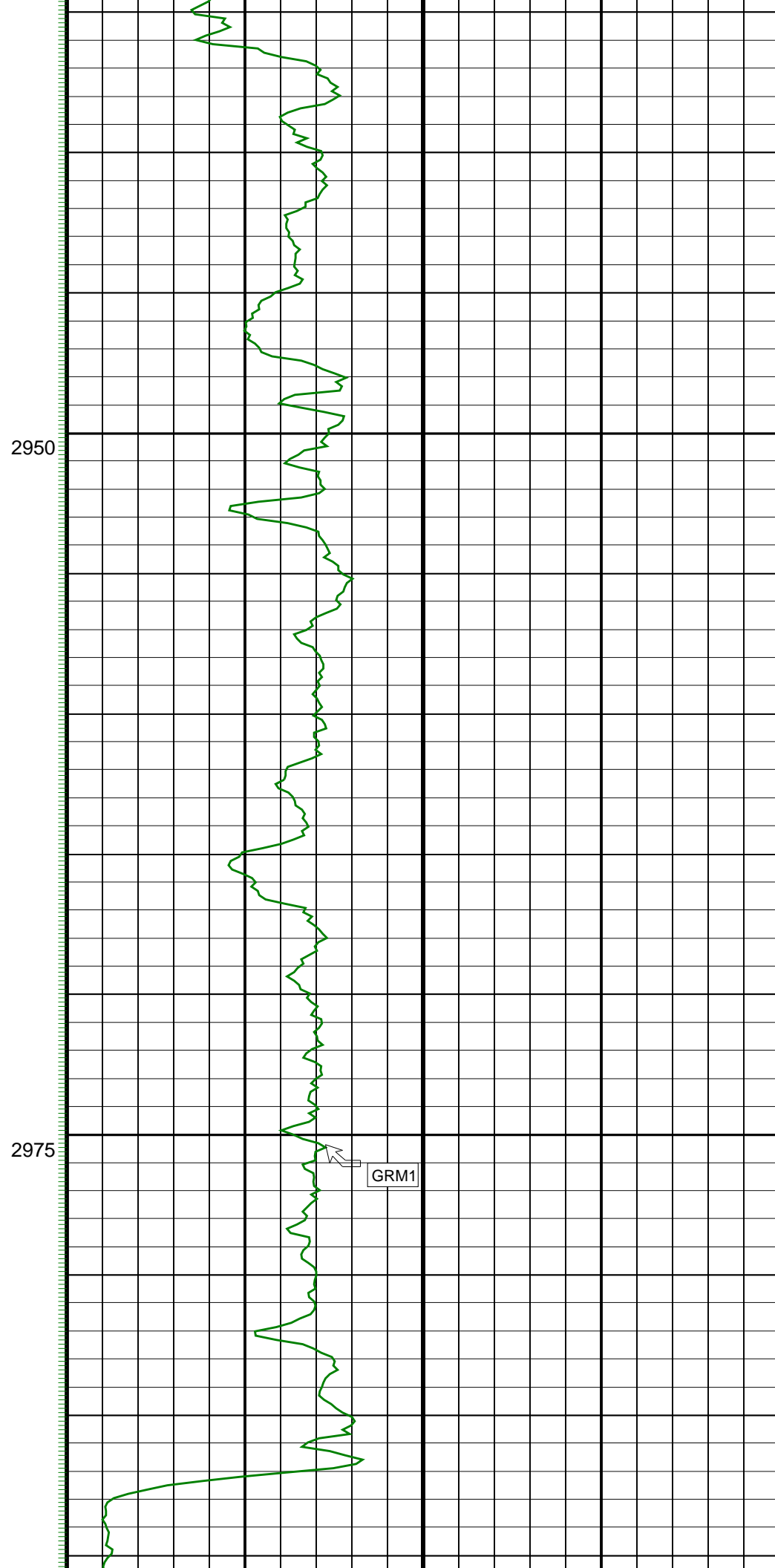
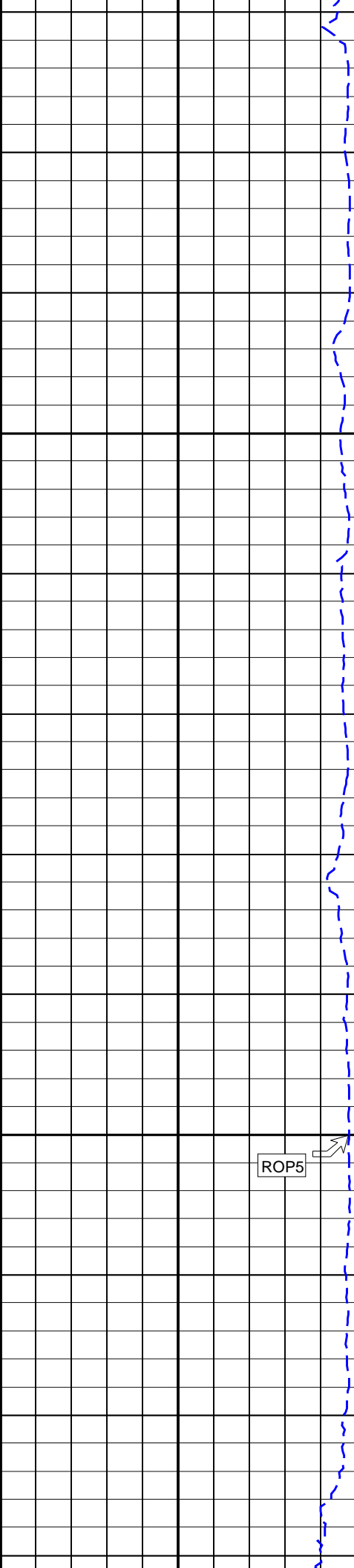
2775

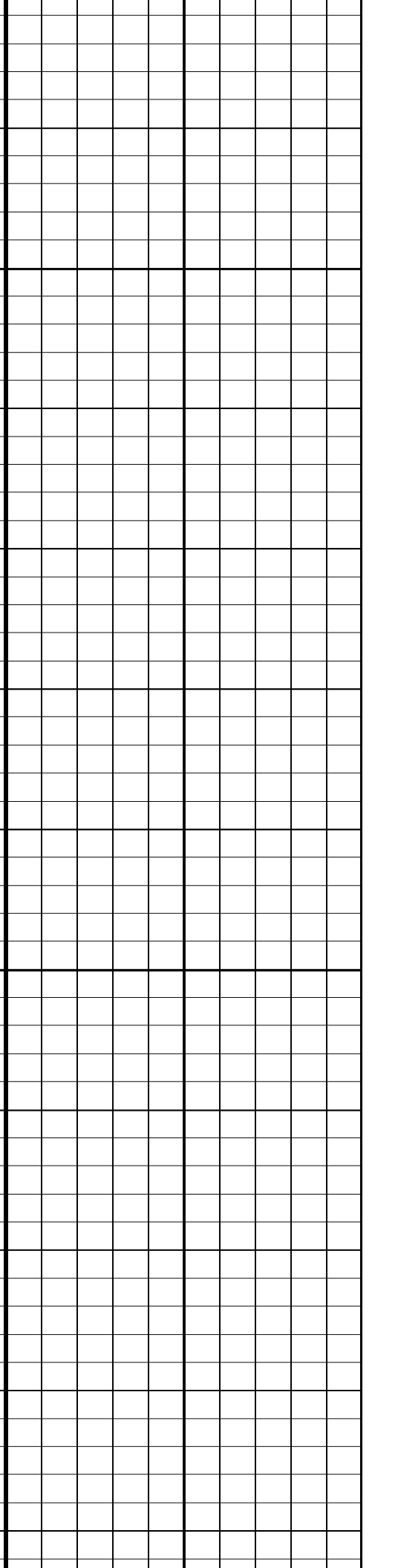
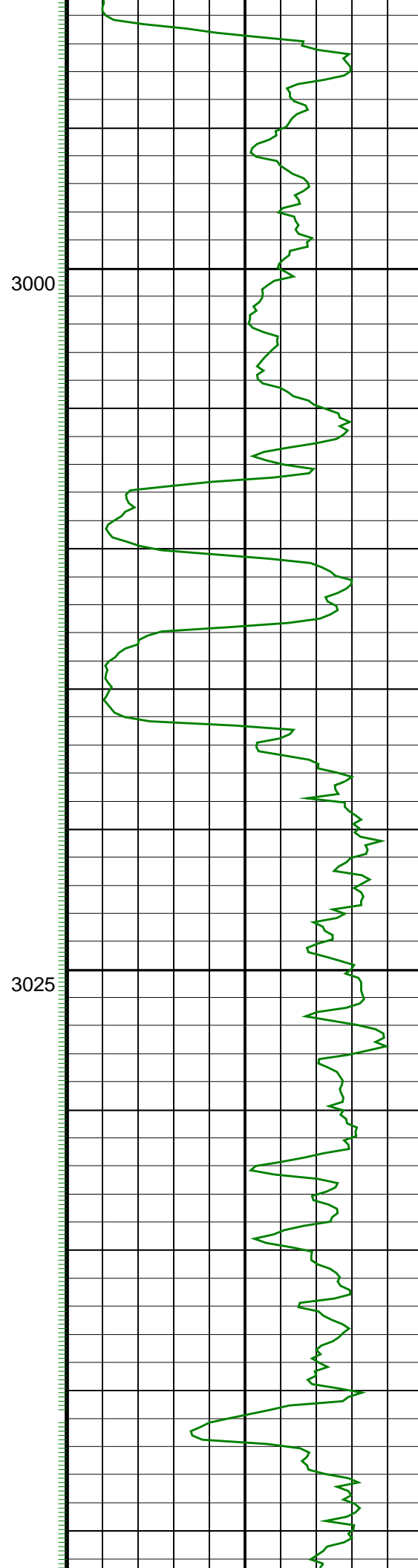
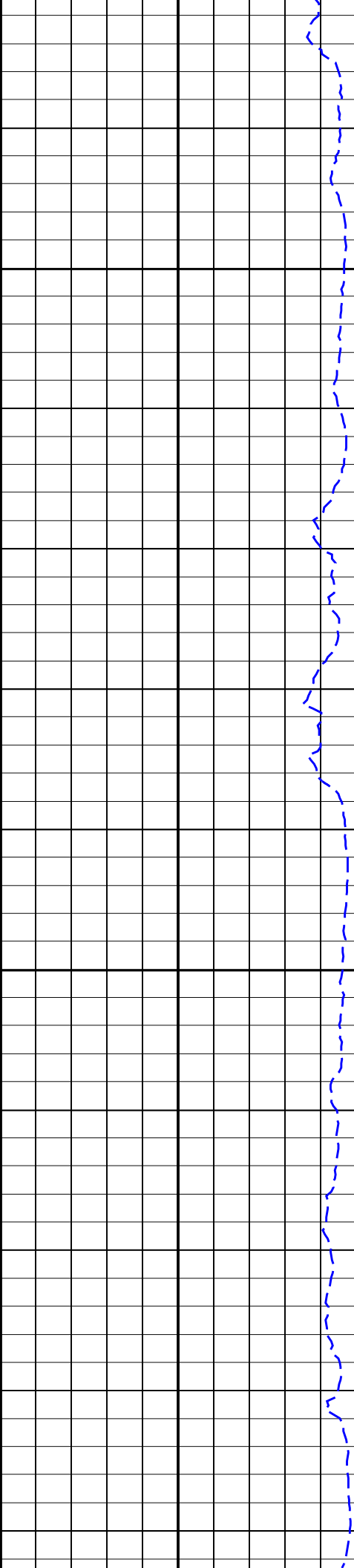
2800

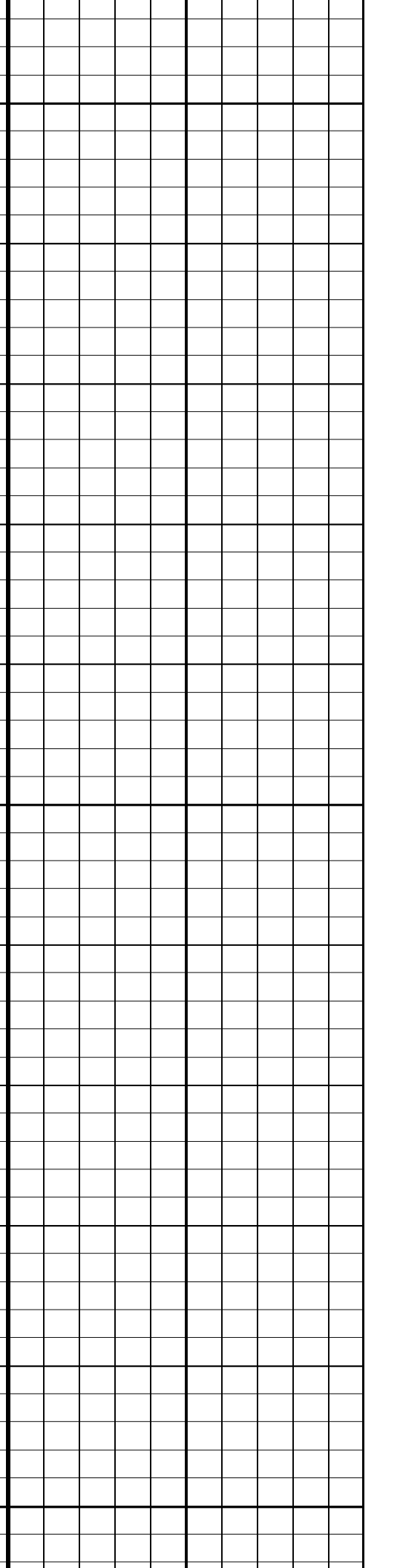
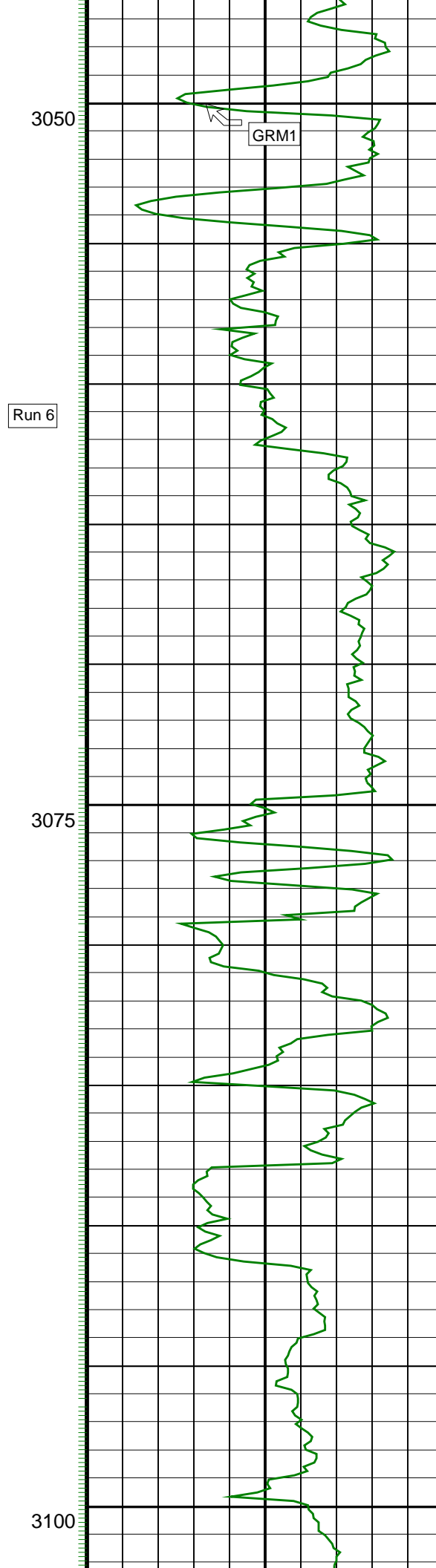
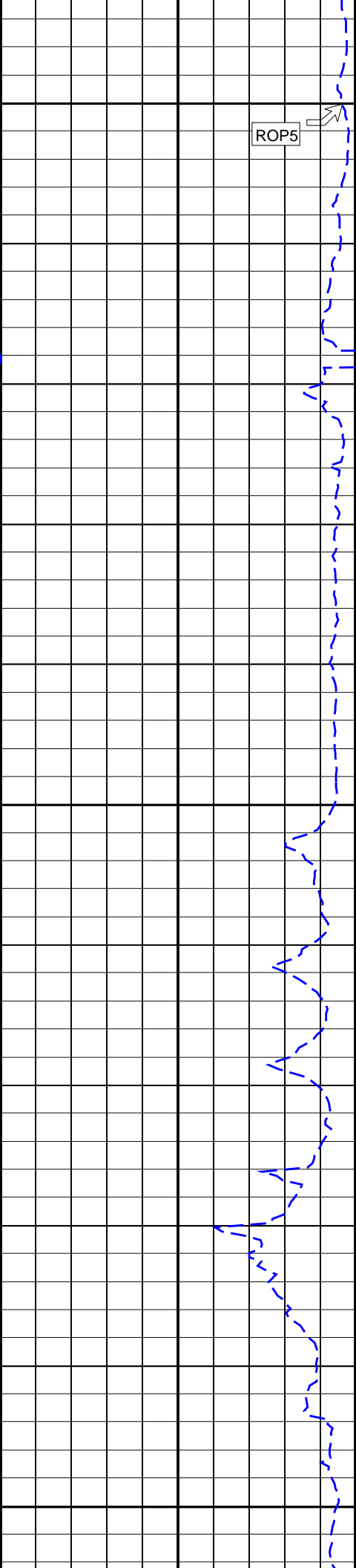


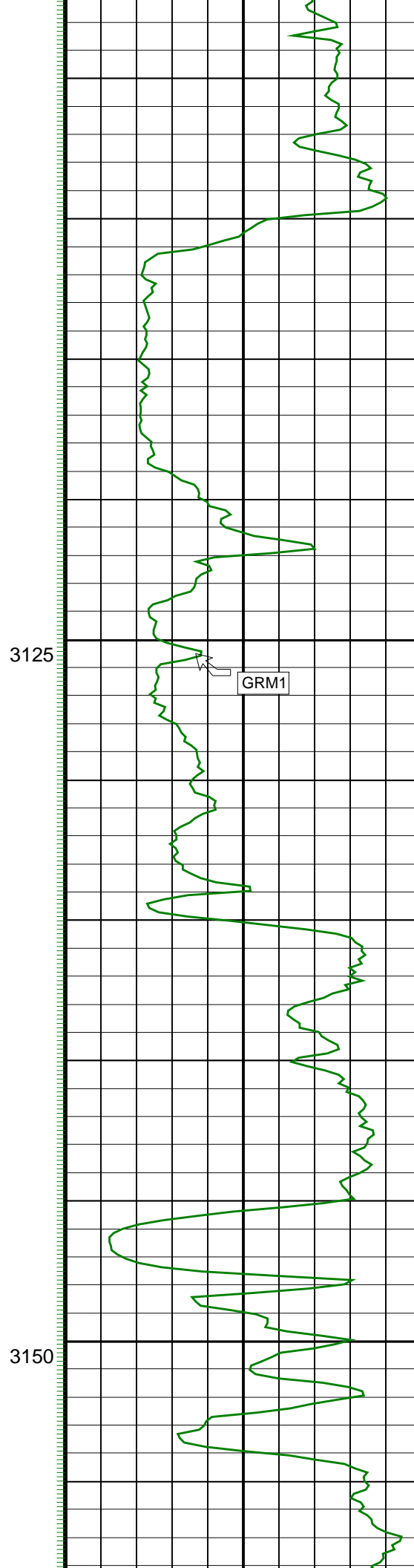
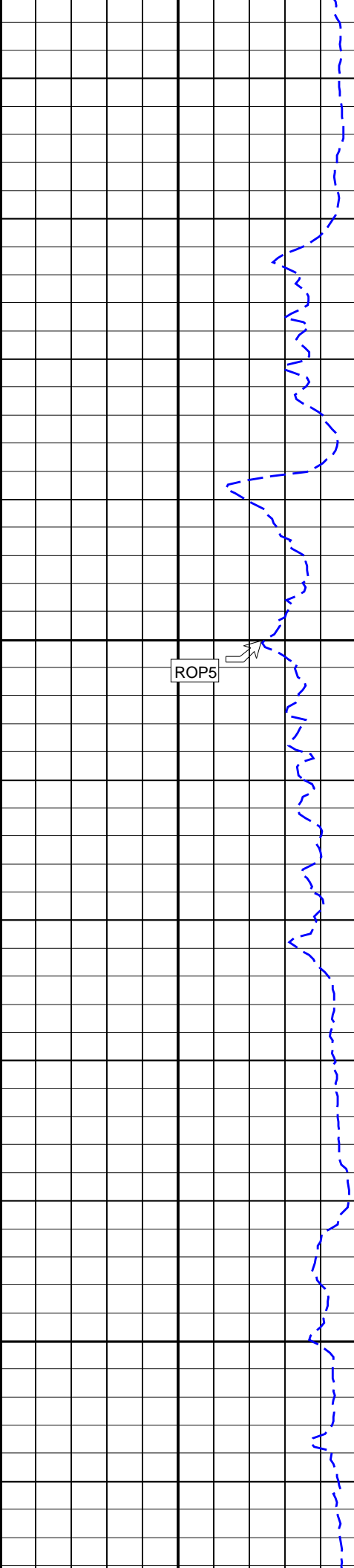


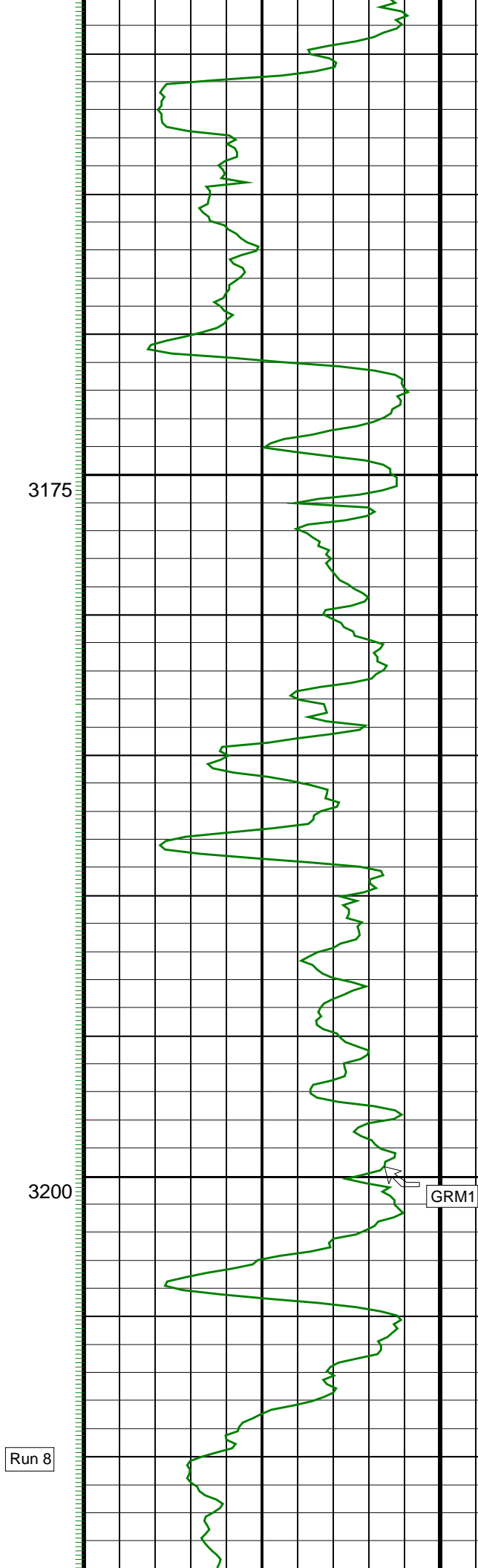
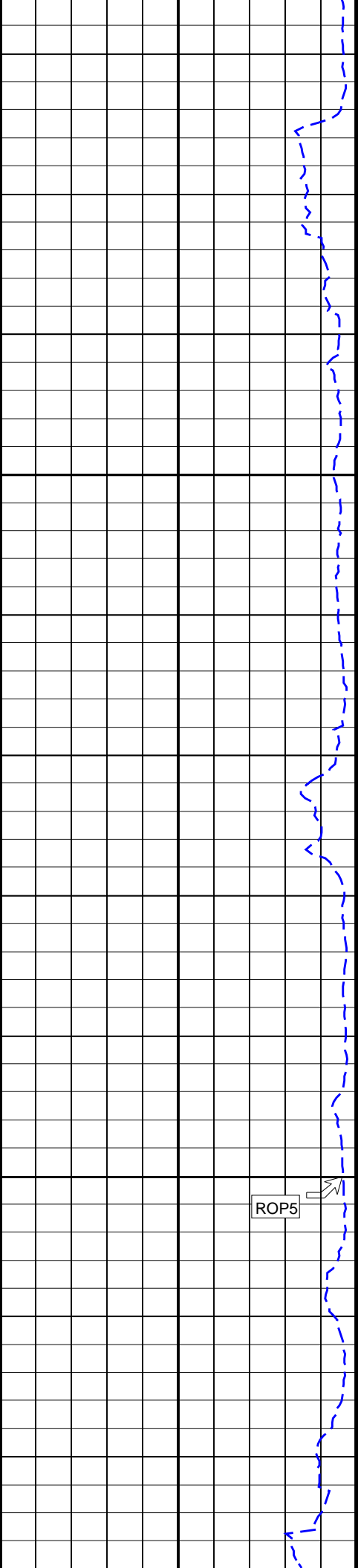


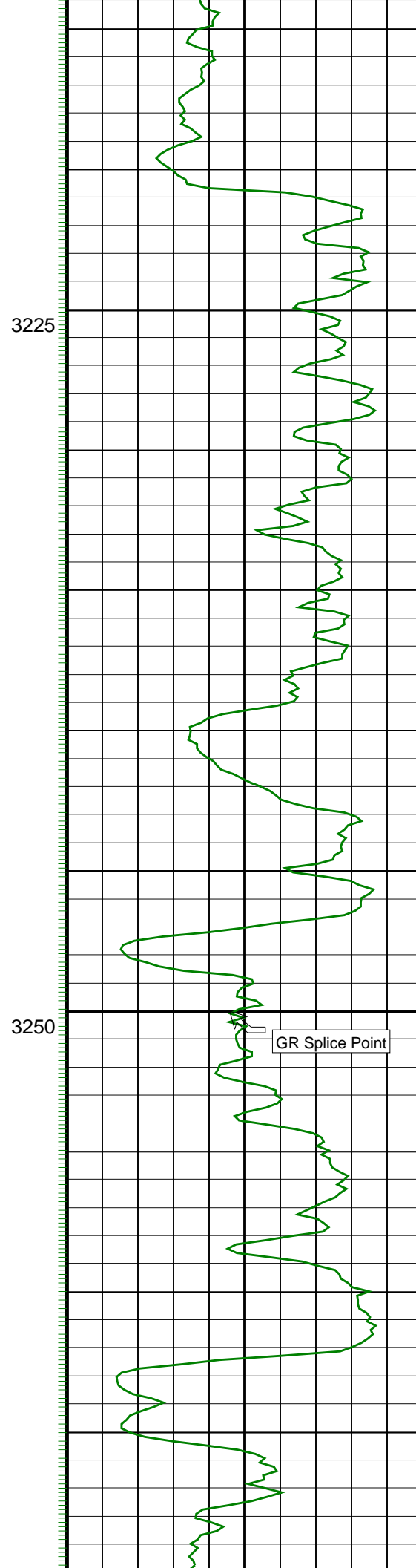
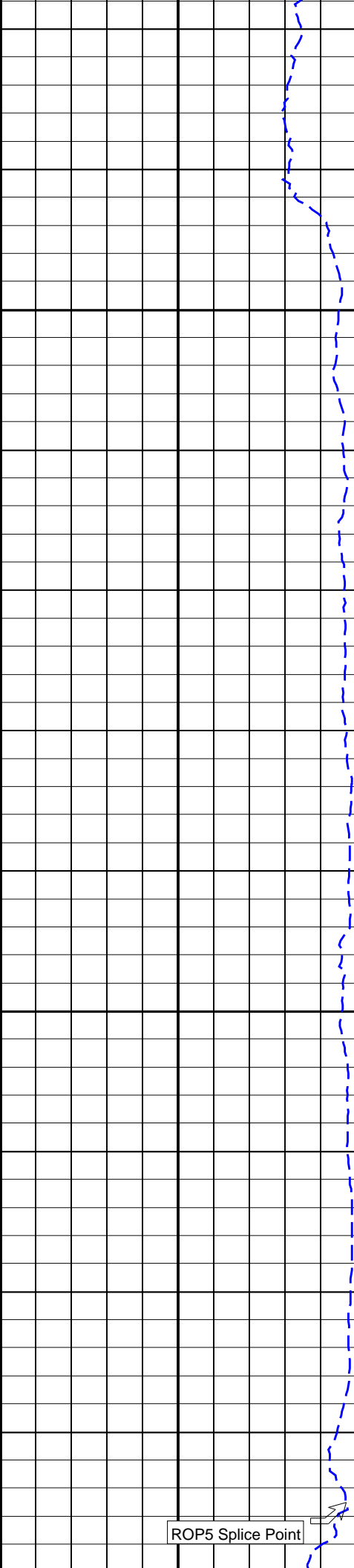












ROP5

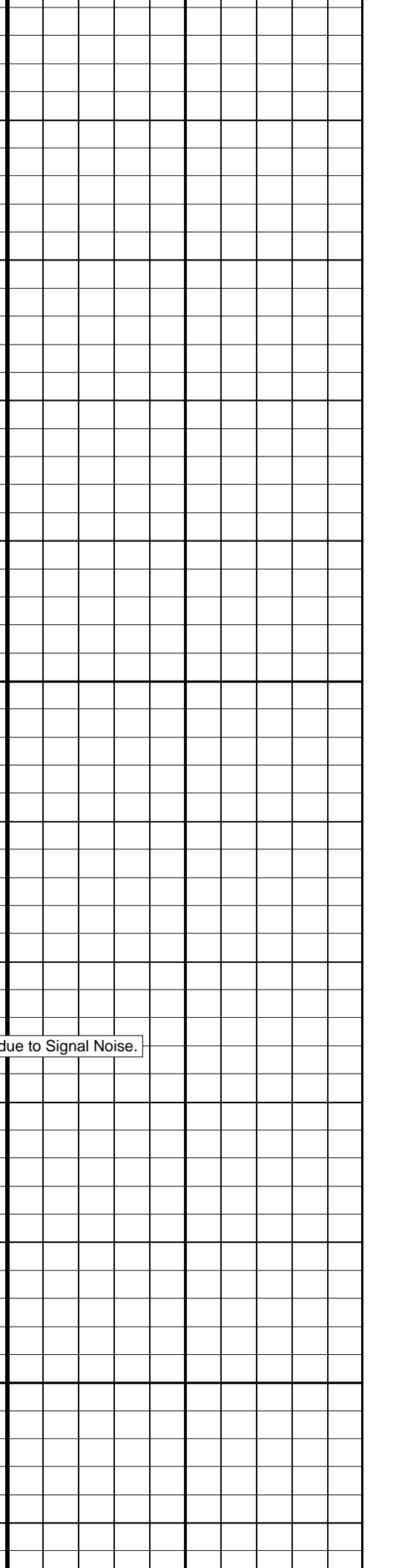
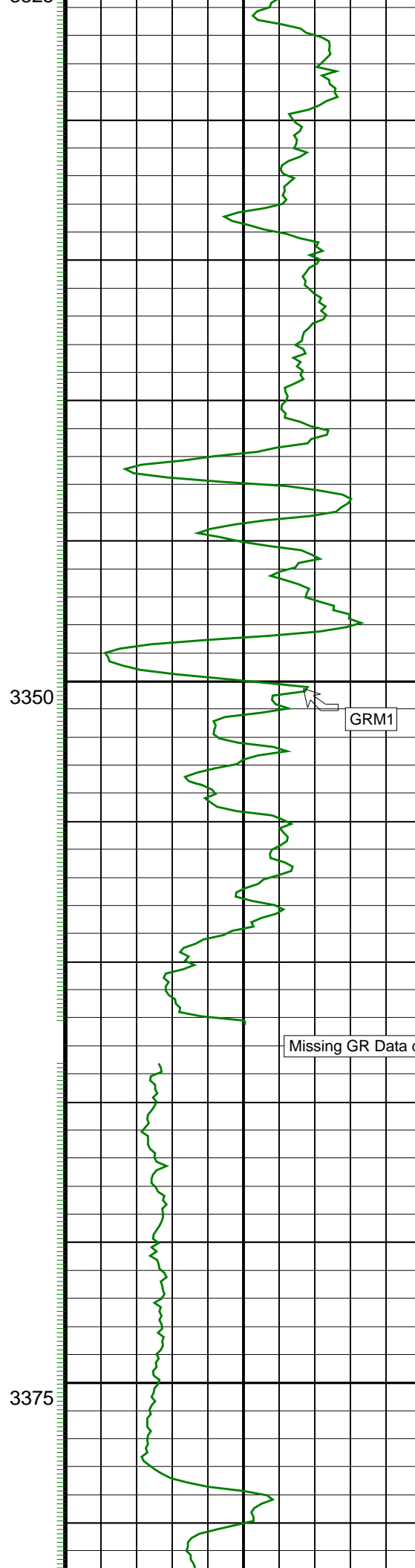
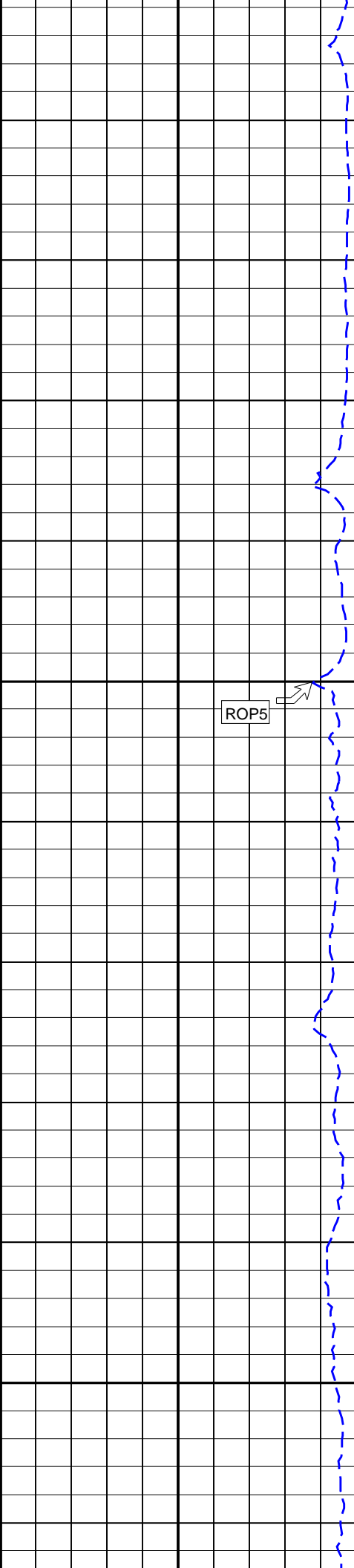


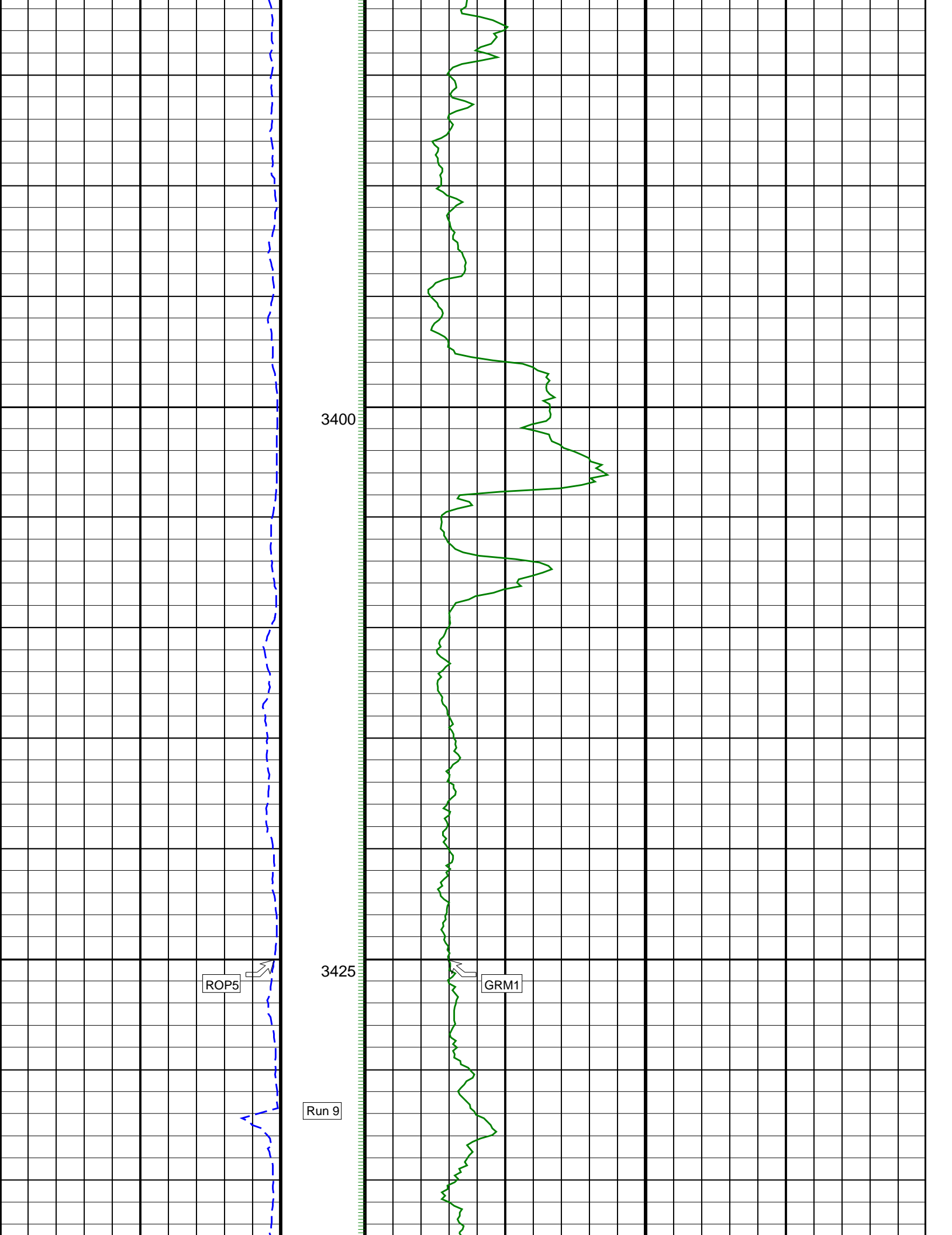
3275

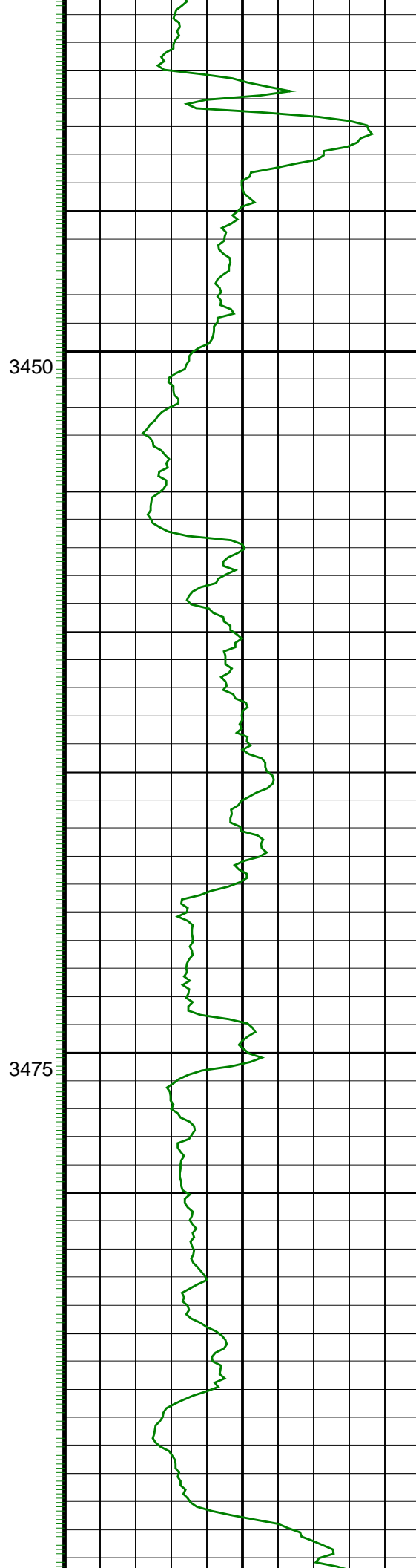
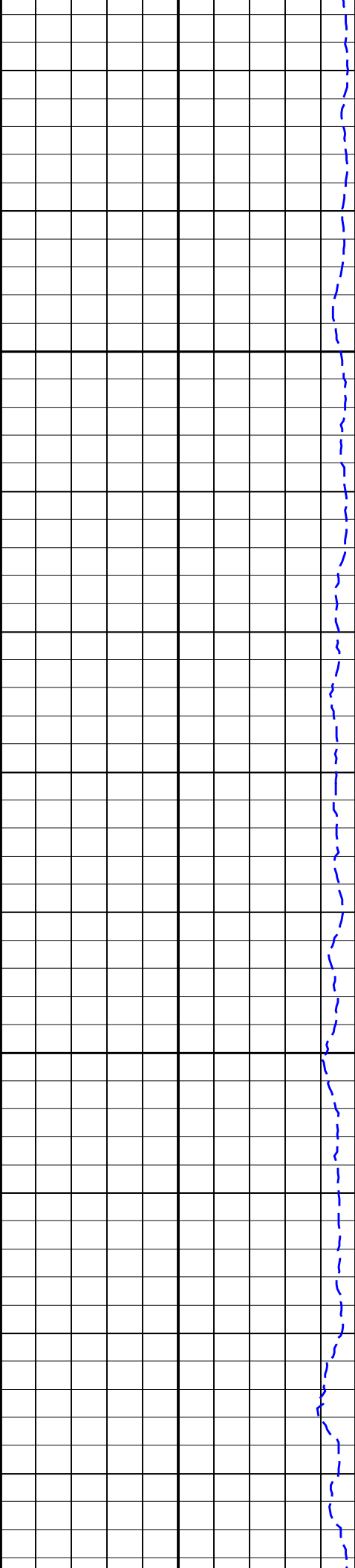
GRM1

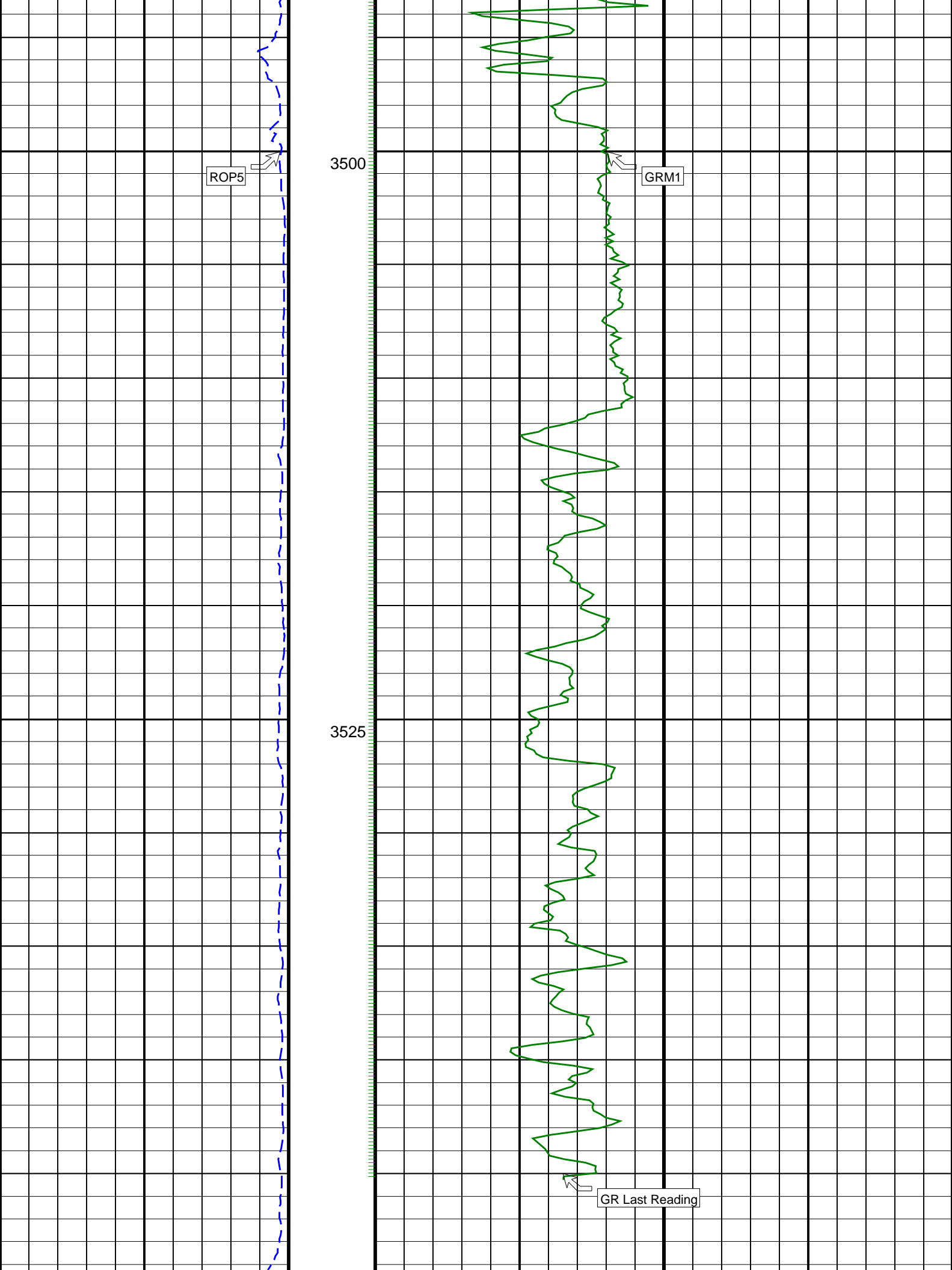


3300









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 (deg)	At Azim 10m	DLS (deg/	Srvy tool	Tool Corr
											type		
1	1015.00	35.97	121.64	0.00	918.99	326.42	-151.45	350.44	381.77	113.37	0.00	TIP	None
2	1035.00	36.76	128.86	20.00	935.10	337.59	-158.29	360.11	393.36	113.73	2.18	GYR	None
3	1060.00	39.65	135.92	25.00	954.75	352.69	-168.72	371.49	408.01	114.43	2.09	GYR	None
4	1097.16	41.05	142.81	37.16	983.09	376.62	-186.97	387.12	429.90	115.78	1.26	MWD	None
5	1125.83	41.31	143.61	28.67	1004.67	395.49	-202.08	398.42	446.74	116.89	0.20	MWD	None
6	1154.39	41.92	144.19	28.56	1026.02	414.45	-217.41	409.60	463.72	117.96	0.25	MWD	None
7	1183.17	46.31	148.43	28.78	1046.68	434.46	-234.08	420.68	481.42	119.09	1.84	MWD	None
8	1211.90	46.82	148.84	28.73	1066.43	455.27	-251.90	431.54	499.68	120.27	0.21	MWD	None
9	1240.44	46.72	149.00	28.54	1085.98	476.01	-269.71	442.27	518.02	121.38	0.05	MWD	None
10	1269.13	46.51	149.16	28.69	1105.69	496.80	-287.59	452.99	536.57	122.41	0.08	MWD	None
11	1297.89	46.28	148.89	28.76	1125.52	517.56	-305.45	463.70	555.27	123.37	0.10	MWD	None
12	1326.60	45.86	148.93	28.71	1145.44	538.18	-323.16	474.38	573.99	124.26	0.15	MWD	None
13	1355.31	45.23	148.96	28.71	1165.55	558.61	-340.71	484.95	592.68	125.09	0.22	MWD	None
14	1384.17	45.31	149.96	28.86	1185.86	579.04	-358.37	495.37	611.41	125.88	0.25	MWD	None
15	1412.62	44.82	149.92	28.45	1205.95	599.10	-375.80	505.46	629.85	126.63	0.17	MWD	None
16	1441.39	45.44	150.67	28.77	1226.25	619.38	-393.51	515.56	648.58	127.35	0.28	MWD	None
17	1470.37	46.35	151.96	28.98	1246.42	640.05	-411.77	525.55	667.65	128.08	0.45	MWD	None
18	1499.06	46.05	152.28	28.69	1266.28	660.58	-430.07	535.23	686.61	128.78	0.13	MWD	None
19	1527.87	46.75	149.86	28.81	1286.15	681.31	-448.33	545.32	705.96	129.42	0.65	MWD	None
20	1556.46	46.43	149.81	28.59	1305.80	701.99	-466.28	555.76	725.46	130.00	0.11	MWD	None
21	1585.47	46.22	149.26	29.01	1325.83	722.90	-484.37	566.40	745.27	130.54	0.16	MWD	None
22	1614.16	45.93	149.53	28.69	1345.73	743.49	-502.15	576.92	764.85	131.04	0.12	MWD	None
23	1642.77	47.20	151.01	28.61	1365.40	764.16	-520.20	587.22	784.49	131.54	0.58	MWD	None
24	1671.61	47.06	150.75	28.84	1385.02	785.17	-538.66	597.50	804.47	132.04	0.08	MWD	None
25	1700.18	46.51	151.54	28.57	1404.59	805.86	-556.90	607.55	824.17	132.51	0.28	MWD	None
26	1728.98	48.15	153.49	28.80	1424.11	826.83	-575.68	617.32	844.09	133.00	0.76	MWD	None
27	1757.92	47.83	153.18	28.94	1443.47	848.08	-594.90	626.97	864.29	133.50	0.14	MWD	None
28	1786.51	48.09	153.13	28.59	1462.62	869.08	-613.84	636.56	884.31	133.96	0.09	MWD	None
29	1815.14	48.42	151.64	28.63	1481.68	890.24	-632.77	646.46	904.60	134.39	0.41	MWD	None
30	1843.80	49.66	151.50	28.66	1500.47	911.73	-651.80	656.77	925.30	134.78	0.43	MWD	None

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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 (deg)	At Azim 10m	DLS (deg/	Srvy tool	Tool Corr
											type		
31	1872.49	48.73	151.75	28.69	1519.22	933.28	-670.91	667.09	946.11	135.16	0.33	MWD	None
32	1901.22	47.59	151.14	28.73	1538.38	954.53	-689.71	677.32	966.67	135.52	0.43	MWD	None
33	1930.00	45.89	149.58	28.78	1558.11	975.38	-707.93	687.68	986.94	135.83	0.71	MWD	None
34	1958.45	46.38	150.56	28.45	1577.82	995.80	-725.70	697.91	1006.84	136.12	0.30	MWD	None
35	1987.31	45.55	150.46	28.86	1597.88	1016.44	-743.76	708.12	1026.95	136.41	0.29	MWD	None
36	2015.69	45.11	151.18	28.38	1617.83	1036.50	-761.38	717.96	1046.51	136.68	0.24	MWD	None
37	2044.10	45.53	151.38	28.41	1637.81	1056.57	-779.10	727.67	1066.07	136.95	0.16	MWD	None
38	2073.47	45.58	150.65	29.37	1658.38	1077.40	-797.44	737.83	1086.42	137.22	0.18	MWD	None
39	2102.08	46.55	150.80	28.61	1678.23	1097.89	-815.41	747.91	1106.46	137.47	0.34	MWD	None
40	2130.84	47.26	150.57	28.76	1697.87	1118.77	-833.72	758.19	1126.92	137.72	0.25	MWD	None
41	2158.78	45.79	149.21	27.94	1717.10	1138.96	-851.26	768.36	1146.74	137.93	0.63	MWD	None
42	2187.90	46.15	148.71	29.12	1737.34	1159.84	-869.20	779.15	1167.30	138.13	0.17	MWD	None
43	2216.50	46.49	148.99	28.60	1757.09	1180.46	-886.90	789.85	1187.63	138.31	0.14	MWD	None
44	2245.20	46.95	149.73	28.70	1776.77	1201.28	-904.88	800.50	1208.14	138.50	0.25	MWD	None
45	2274.09	47.79	150.03	28.89	1796.33	1222.45	-923.26	811.17	1228.99	138.70	0.30	MWD	None
46	2302.55	47.50	150.56	28.46	1815.51	1243.38	-941.53	821.59	1249.60	138.89	0.17	MWD	None
47	2331.04	45.27	150.70	28.49	1835.16	1263.89	-959.51	831.70	1269.80	139.08	0.78	MWD	None
48	2359.77	44.92	151.71	28.73	1855.44	1284.10	-977.34	841.50	1289.70	139.27	0.28	MWD	None
49	2388.58	45.06	153.26	28.81	1875.81	1304.28	-995.40	850.91	1309.53	139.47	0.38	MWD	None
50	2417.12	44.08	153.13	28.54	1896.15	1324.08	-1013.28	859.95	1329.00	139.68	0.34	MWD	None
51	2445.87	45.67	152.42	28.75	1916.52	1344.16	-1031.31	869.23	1348.76	139.87	0.58	MWD	None
52	2474.69	45.99	151.70	28.82	1936.60	1364.66	-1049.58	878.91	1368.98	140.06	0.21	MWD	None
53	2503.39	45.36	151.83	28.70	1956.65	1385.03	-1067.66	888.63	1389.09	140.23	0.22	MWD	None
54	2532.22	44.97	152.00	28.83	1976.98	1405.31	-1085.70	898.25	1409.11	140.40	0.14	MWD	None
55	2560.92	45.60	151.95	28.70	1997.17	1425.53	-1103.70	907.83	1429.10	140.56	0.22	MWD	None
56	2589.63	44.54	151.28	28.71	2017.45	1445.71	-1121.59	917.50	1449.05	140.72	0.40	MWD	None
57	2618.30	44.80	151.49	28.67	2037.84	1465.72	-1139.28	927.15	1468.87	140.86	0.10	MWD	None
58	2647.05	44.50	150.60	28.75	2058.29	1485.80	-1156.96	936.93	1488.76	141.00	0.24	MWD	None
59	2675.57	44.30	150.20	28.52	2078.67	1505.65	-1174.31	946.79	1508.45	141.12	0.12	MWD	None
60	2703.91	44.03	150.52	28.34	2099.00	1525.30	-1191.47	956.55	1527.94	141.24	0.12	MWD	None

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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)	Displ displ (deg)	Total Azim 10m)	At (deg)	DLS type	Srvy Tool tool Corr (deg)
61	2732.51	45.66	151.86	28.60	2119.28	1545.33	-1209.14	966.27	1547.80	141.37	0.66	MWD	None
62	2761.25	46.98	152.34	28.74	2139.12	1565.94	-1227.51	975.99	1568.23	141.51	0.47	MWD	None
63	2789.98	47.51	151.94	28.73	2158.63	1586.85	-1246.16	985.85	1588.97	141.65	0.21	MWD	None
64	2818.66	47.44	152.51	28.68	2178.01	1607.80	-1264.86	995.70	1609.75	141.79	0.15	MWD	None
65	2847.37	47.48	152.50	28.71	2197.42	1628.75	-1283.63	1005.46	1630.54	141.93	0.01	MWD	None
66	2876.48	47.83	153.07	29.11	2217.03	1650.05	-1302.76	1015.30	1651.68	142.07	0.19	MWD	None
67	2904.97	47.30	151.95	28.49	2236.26	1670.88	-1321.41	1025.01	1672.36	142.20	0.34	MWD	None
68	2933.62	46.92	150.96	28.65	2255.76	1691.72	-1339.85	1035.04	1693.08	142.31	0.29	MWD	None
69	2962.10	47.07	151.04	28.48	2275.18	1712.42	-1358.07	1045.14	1713.67	142.42	0.06	MWD	None
70	2990.63	46.41	151.14	28.53	2294.73	1733.06	-1376.26	1055.18	1734.21	142.52	0.23	MWD	None
71	3019.47	45.63	151.49	28.84	2314.76	1753.67	-1394.46	1065.14	1754.72	142.63	0.28	MWD	None
72	3041.63	44.29	151.16	22.16	2330.44	1769.22	-1408.20	1072.65	1770.20	142.70	0.61	MWD	None
73	3048.80	44.02	151.44	7.17	2335.58	1774.18	-1412.58	1075.05	1775.14	142.73	0.46	MWD	None
74	3077.28	42.55	151.58	28.48	2356.32	1793.57	-1429.74	1084.37	1794.44	142.82	0.52	MWD	None
75	3105.69	43.26	150.32	28.41	2377.13	1812.79	-1446.65	1093.76	1813.59	142.91	0.39	MWD	None
76	3134.38	47.94	146.91	28.69	2397.20	1833.23	-1464.13	1104.45	1833.98	142.97	1.84	MWD	None
77	3163.14	47.69	147.47	28.76	2416.51	1854.52	-1482.04	1116.00	1855.23	143.02	0.17	MWD	None
78	3191.68	47.26	148.04	28.54	2435.80	1875.52	-1499.83	1127.22	1876.19	143.07	0.21	MWD	None
79	3201.31	47.00	147.69	9.63	2442.35	1882.56	-1505.80	1130.97	1883.23	143.09	0.38	MWD	None
80	3208.89	47.17	147.56	7.58	2447.51	1888.11	-1510.49	1133.95	1888.76	143.10	0.26	MWD	None
81	3220.16	47.10	148.09	11.27	2455.18	1896.36	-1517.48	1138.34	1896.99	143.12	0.35	MWD	None
82	3248.92	46.34	146.99	28.76	2474.90	1917.26	-1535.15	1149.58	1917.87	143.17	0.38	MWD	None
83	3277.75	45.32	146.79	28.83	2494.98	1937.93	-1552.47	1160.88	1938.50	143.21	0.36	MWD	None
84	3306.30	45.24	147.23	28.55	2515.07	1958.20	-1569.49	1171.92	1958.75	143.25	0.11	MWD	None
85	3335.29	44.84	147.64	28.99	2535.56	1978.68	-1586.77	1182.96	1979.20	143.29	0.17	MWD	None
86	3363.62	44.90	148.18	28.33	2555.64	1998.64	-1603.71	1193.58	1999.13	143.34	0.14	MWD	None
87	3392.77	45.56	147.96	29.15	2576.17	2019.29	-1621.27	1204.53	2019.75	143.39	0.23	MWD	None
88	3421.59	45.99	148.99	28.82	2596.27	2039.90	-1638.87	1215.32	2040.32	143.44	0.30	MWD	None
89	3450.32	45.73	149.23	28.73	2616.28	2060.45	-1656.57	1225.91	2060.84	143.50	0.11	MWD	None
90	3479.21	45.03	149.55	28.89	2636.57	2080.94	-1674.26	1236.38	2081.30	143.56	0.25	MWD	None

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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)	Displ displ (deg)	Total Azim 10m)	At (deg)	DLS type	Srvy Tool tool Corr (deg)
91	3507.81	42.85	150.25	28.60	2657.16	2100.71	-1691.43	1246.33	2101.02	143.62	0.78	MWD	None
92	3536.62	41.25	150.39	28.81	2678.55	2119.91	-1708.20	1255.89	2120.19	143.68	0.56	MWD	None
93	3543.78	41.00	150.20	7.16	2683.95	2124.59	-1712.29	1258.22	2124.86	143.69	0.39	MWD	None
94	3563.00	41.00	150.20	19.22	2698.45	2137.14	-1723.23	1264.49	2137.39	143.73	0.00	Projection to TD	

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

Well: **MLA A6A**
Field: **Turrum**
Rig: **ISDL 453**
State: **Victoria**

Schlumberger

Gamma Ray Service
1:200 Measured Depth
Real Time Log

