

Gamma Ray Service 1:200 Measured Depth Real Time Log									
IDSL 453									
Field: Turrum									
Location: Bass Strait									
Well: MLA A24A									
Company: ESSO Australia Pty. Ltd.									
Rig:									
Field:									
Location:									
Well:									
Company:									
Depth logged:		655.0 m To 3275.0 m		Mag decl: 13.13 deg.		Other services:			
Date logged:		13-Apr-04 To 04-May-04		Mag dip: -68.73 deg.		Directional Drilling, D&I			
Bore hole record				Casing record					
Hole size		from to		Size		Density		from to	
8 1/2 in.		655.0 m 3275.0 m		13 3/8 in. 9 5/8 in.		54.5 lb/ft 47.0 lb/ft		Surface Surface 653.0 m 655.0 m	
				</					

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<p>OTHER SERVICES FOR RUN1</p> <p>Directional Drilling</p> <p>Directional Surveys</p>	<p>OTHER SERVICES FOR RUN2</p> <p>Directional Drilling</p> <p>Directional Surveys</p>	<p>OTHER SERVICES FOR RUN3</p> <p>Directional Drilling</p> <p>Directional Surveys</p>
<p>REMARKS: RUN NUMBER 1</p> <p>8–1/2 in. hole was drilled from 655.0 m to 670.0 m MD.</p> <p>Depth is referenced to Driller's depth.</p> <p>Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight.</p> <p>Mud type is KCL/PHPA/Glycol.</p>	<p>REMARKS: RUN NUMBER 2</p> <p>8–1/2 in. hole was drilled from 670.0 m to 1700.0 m MD.</p> <p>Depth is referenced to Driller's depth.</p> <p>Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight.</p> <p>Mud type is KCL/PHPA/Glycol.</p>	<p>REMARKS: RUN NUMBER 3</p> <p>8–1/2 in. hole was drilled from 1700.0 m to 2063.0 m MD.</p> <p>Depth is referenced to Driller's depth.</p> <p>Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight.</p> <p>Mud type is KCL/PHPA/Glycol.</p>

POOH for bit change.

POOH for bit change.

POOH for bit change.

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EQUIPMENT DESCRIPTION

RUN1

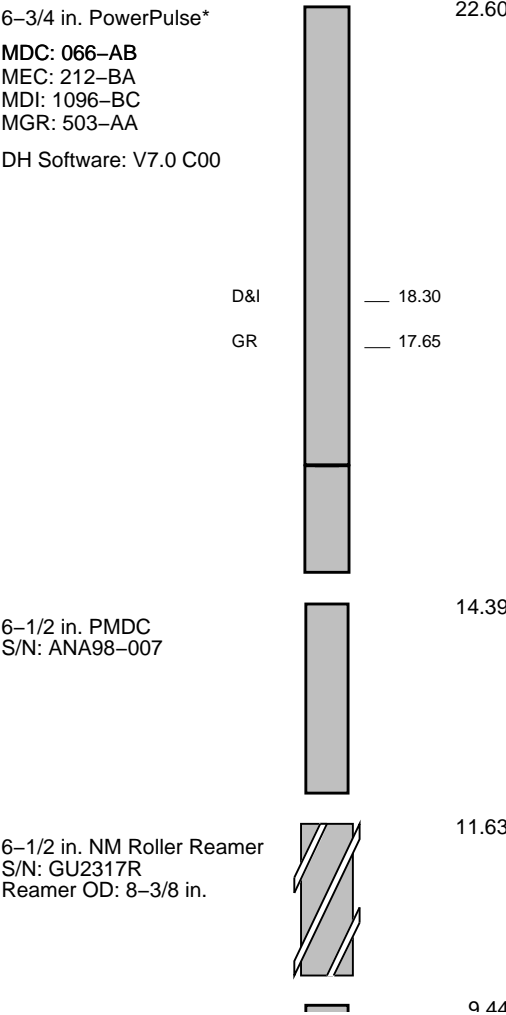
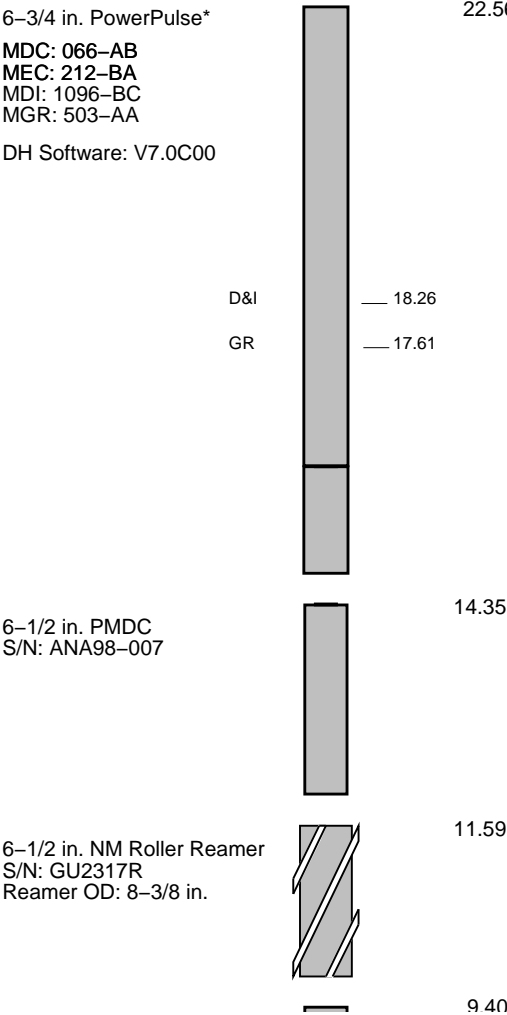
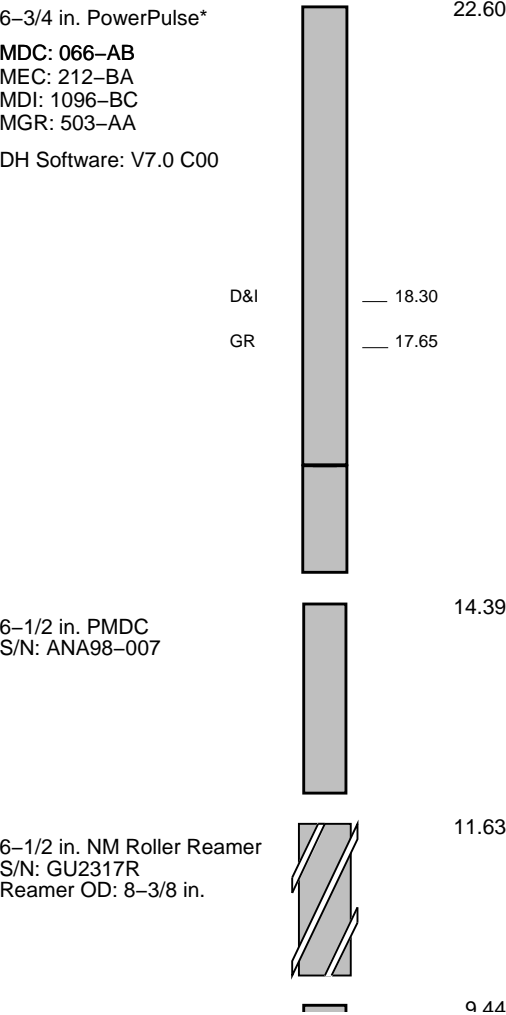
RUN2

RUN3

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT



6-1/2 in. PMDC S/N: 97081023 6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 1437 1.5 deg. Bent Housing 8-3/8 in. Motor Sleeve REED Hycalog MT Bit OD: 8-1/2 in. XS4 S/N: 749555 Maximum string diameter 8.50 in. All lengths in Meters	7.92	6-1/2 in. PMDC S/N: 97081023 6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 1437 1.5 deg. Bent Housing 8-3/8 in. Motor Sleeve REED Hycalog PDC Bit OD: 8-1/2 in. RSX192 S/N: 205899 Maximum string diameter 8.50 in. All lengths in Meters	7.88	6-1/2 in. PMDC S/N: 97081023 6-3/4 in. PowerPak* Motor A675XP 7850 S/N: 3604 0.78 deg. Bent Housing 8-3/8 in. Motor Sleeve Security TCI Bit OD: 8-1/2 in. TD51AKPRDH S/N: M16961 Maximum string diameter 8.50 in. All lengths in Meters	7.92
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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 2063.0 m to 2483.0 m MD. Erratic GR data removed from 2046.0 m to 2103.0 m MD. Erratic data was due to Incorrect Surface system initialization. Depth is referenced to Driller's depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCL/PHPA/Glycol. POOH for bit change.	REMARKS: RUN NUMBER 5 8-1/2 in. hole was drilled from 2483.0 m to 2923.0 m MD. Depth is referenced to Driller's depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCL/PHPA/Glycol. POOH due to PowerPak* motor failure.	REMARKS: RUN NUMBER 6 8-1/2 in. hole was drilled from 2923.0 m to 3158.5 m MD. Depth is referenced to Driller's depth. Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight. Mud type is KCL/PHPA/Glycol. POOH for Coring run.

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EQUIPMENT DESCRIPTION

RUN4

RUN5

RUN6

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse* 22.58
MDC: 066-AB
MEC: 212-BA
MDI: 1096-BC
MGR: 503-AA
DH Software: V7.0 C00

D&I — 18.28
GR — 17.63

6-1/2 in. PMDC 14.37
S/N: ANA98-007

6-1/2 in. NM Roller Reamer 11.61
S/N: GU2317R
Reamer OD: 8-3/8 in.

6-1/2 in. PMDC 9.42
S/N: 97081023

6-3/4 in. PowerPak* Motor 7.90
A675XP 7850
S/N: 3604
0.78 deg. Bent Housing

DOWNHOLE EQUIPMENT

6-1/2 in. PowerPulse* 22.45
MDC: 066-AB
MEC: 212-BA
MDI: 1096-BC
MGR: 503-AA
DH Software: V7.0 C00

D&I — 18.15
GR — 17.50

6-1/2 in. NM Roller Reamer 14.24
S/N: GU2298
Reamer OD: 8-3/8 in.

6-1/2 in. PDMC 12.16
S/N: ANA98-007

6-1/2 in. PMDC 9.40
S/N: 97081023

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

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse* 22.49
MDC: 066-AB
MEC: 212-BA
MDI: 1096-BC
MGR: 503-AA
DH Software: V7.0 C00







D&I — 18.19
GR — 17.54

6-1/2 in. PMDC 14.28
S/N: ANA98-007

6-1/2 in. NM Roller Reamer 11.52
S/N: GU2298
Reamer OD: 8-3/8 in.

6-1/2 in. PMDC 9.44
S/N: 97081023

6-3/4 in. PowerPak* Motor 7.92
A675XP 7850
S/N: ASQ0003
0.78 deg. Bent Housing

<p>8-3/8 in. Motor Sleeve</p>  <p>Security TCI Bit OD: 8-1/2 in. SEB485 S/N: 10618321</p>  <p>___ 0.00 0.24</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>	<p>8-3/8 in. Motor Sleeve</p>  <p>REED Hycalog PDC Bit OD: 8-1/2 in. RSX162 S/N: 206711</p>  <p>___ 0.00 0.22</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>	<p>8-3/8 in. Motor Sleeve</p>  <p>Hughes TCI Bit OD: 8-1/2 in. MX_DSR20GDX S/N: 6007867</p>  <p>___ 0.00 0.22</p> <p>Maximum string diameter 8.50 in. All lengths in Meters</p>
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<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>		
<p>OTHER SERVICES FOR RUN7</p> <p>Directional Drilling Directional Surveys</p>	<p>OTHER SERVICES FOR RUN</p>	<p>OTHER SERVICES FOR RUN</p>
<p>REMARKS: RUN NUMBER 7</p> <p>8-1/2 in. hole was drilled from 3185.7 m to 3275.0 m MD.</p> <p>Three Coring runs were carried out from 21:30 28-Apr-2004 to 08:15 02-May-2004.</p> <p>Reamed for GR data over Coring interval between 3158.5 m to 3185.7 m MD. Reaming ROP did not exceed 55 m/hr.</p> <p>Depth is referenced to Driller's depth.</p> <p>Gamma Ray is corrected for Tool Size, Bit Size and Mud Weight.</p> <p>Mud type is KCL/PHPA/Glycol.</p> <p>POOH after reaching TD of MLA A24A, at 3275.0 m MD.</p> <p>Thank You for Choosing Schlumberger.</p>	<p>REMARKS: RUN NUMBER</p>	<p>REMARKS: RUN NUMBER</p>

EQUIPMENT DESCRIPTION

RUN7

RUN

RUN

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse*
MDC: Y927-AC
MEC: 570-BA
MDI: 586-BC
MGR: 512-AA
DH Software: V7.0 C00



23.39

D&I
GR

19.09
18.44

6-1/2 in. PMDC
S/N: ANA98-700



14.94

6-1/2 in. PMDC
S/N: 97081023



12.18

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



10.66

Float Sub
S/N: ASQ12141



8.58

6-3/4 in. PowerPak* Motor
A675XP 7850
S/N: ASQ0003
0.0 deg. Bent Housing
8-3/8 in. Motor Sleeve



7.93

1000000

Bit Run Summary

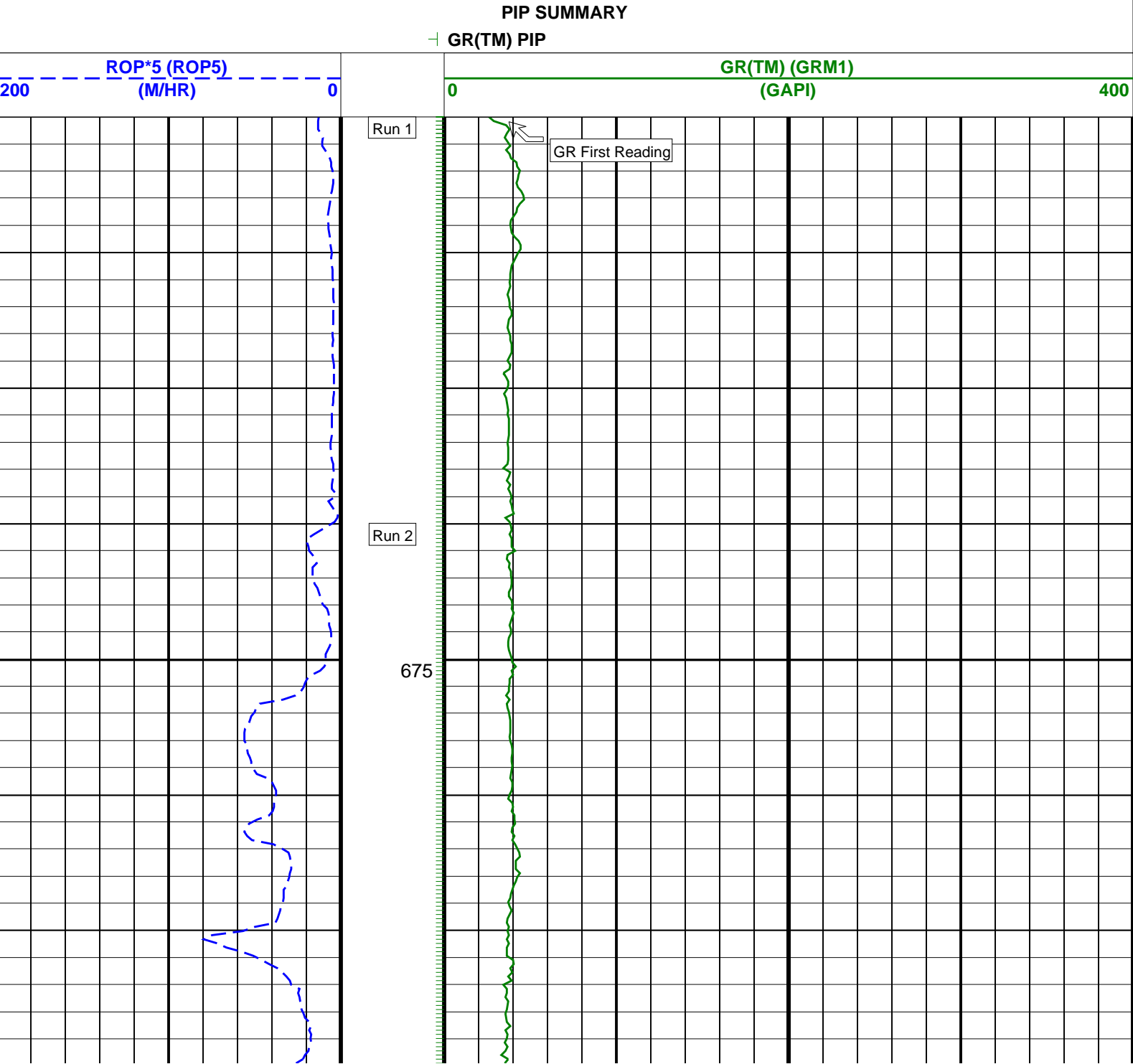
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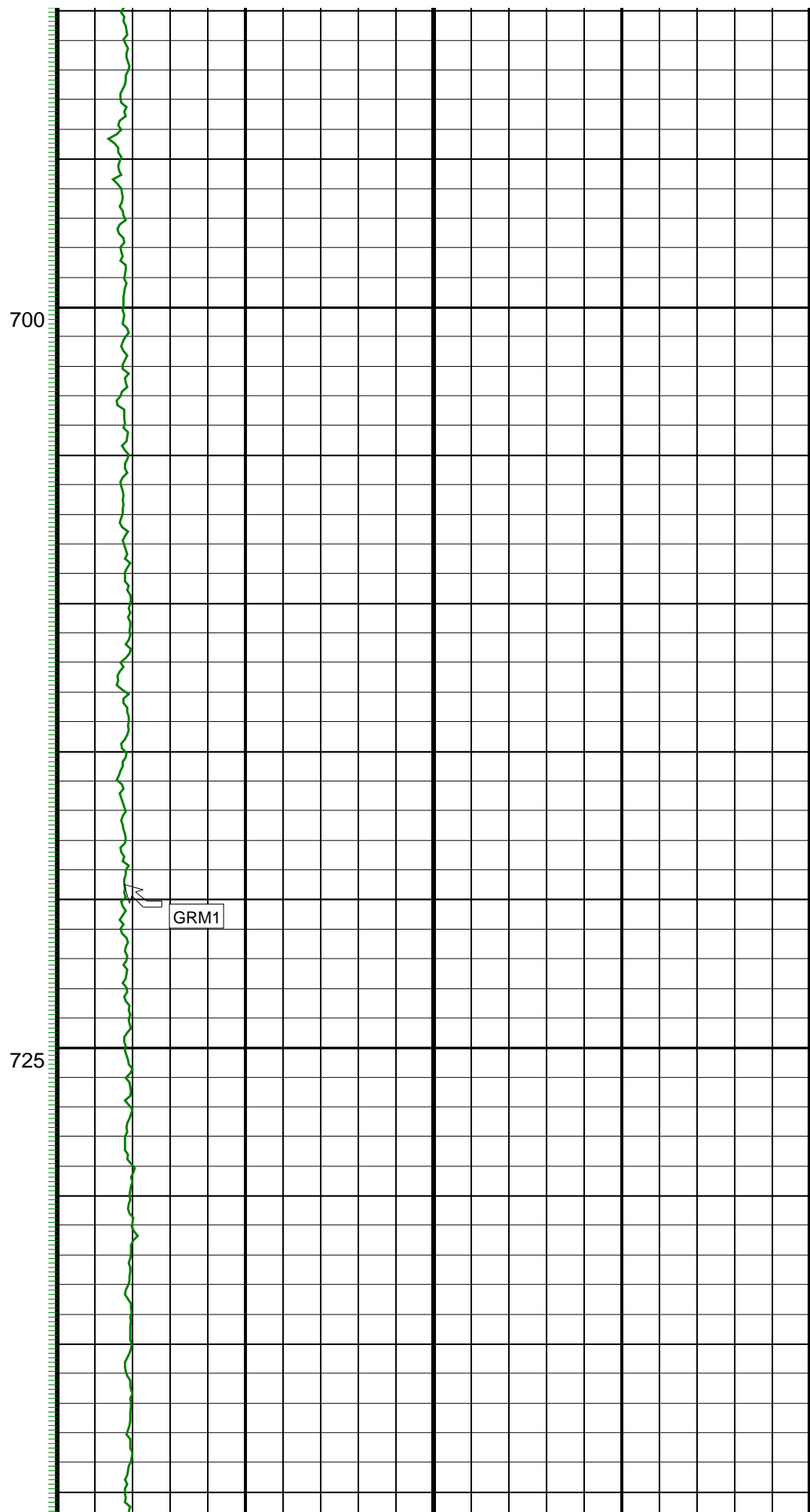
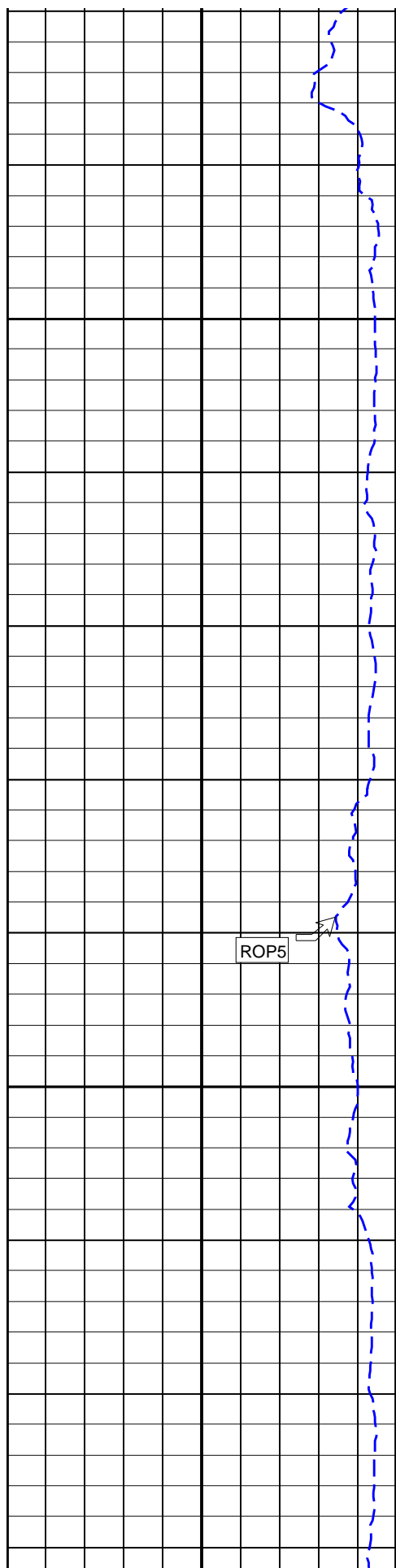
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Anadrill personnel	K.Handley	D.Hastie	C.Soper	T.Auger	J.Dolan					

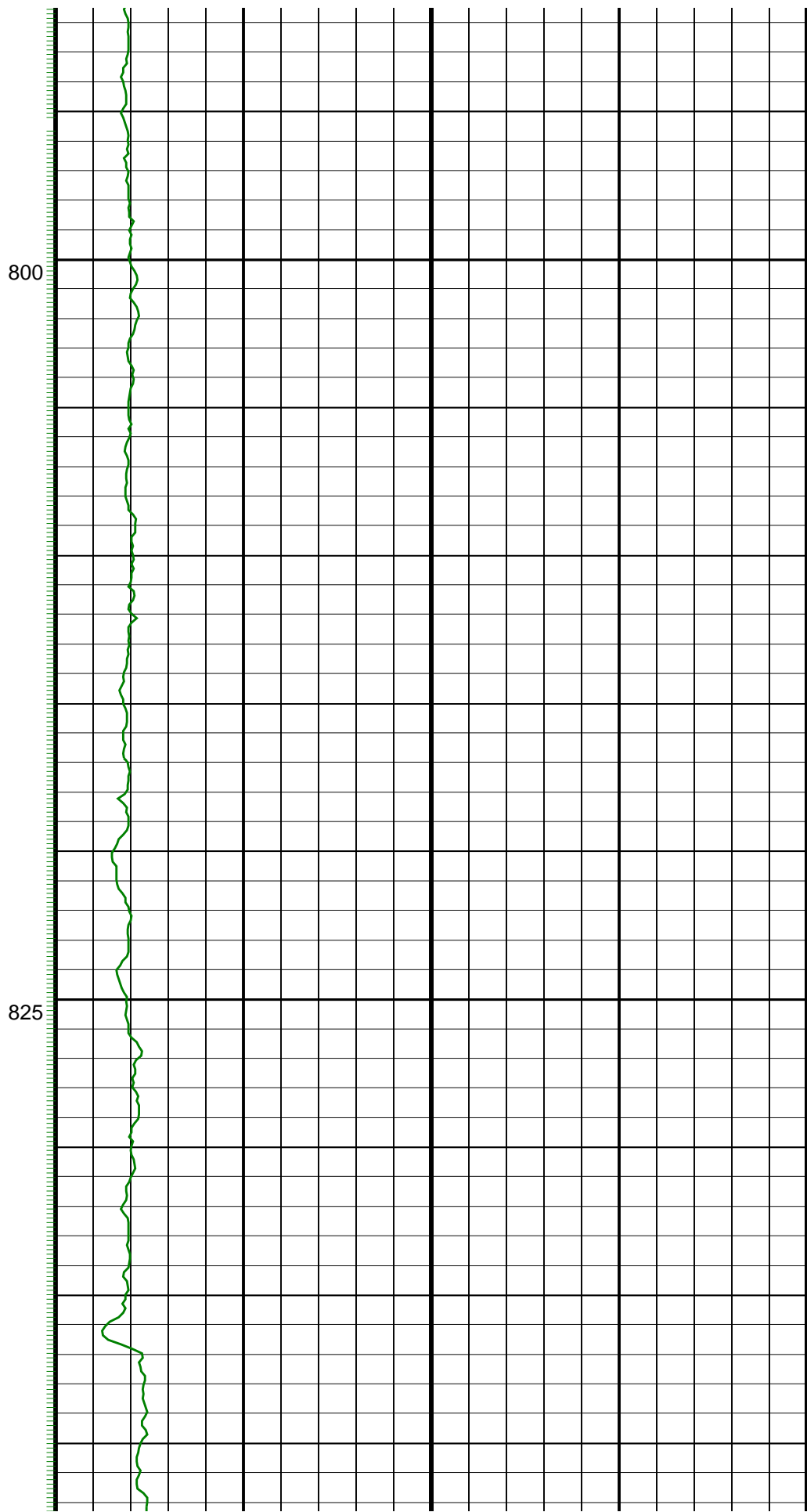
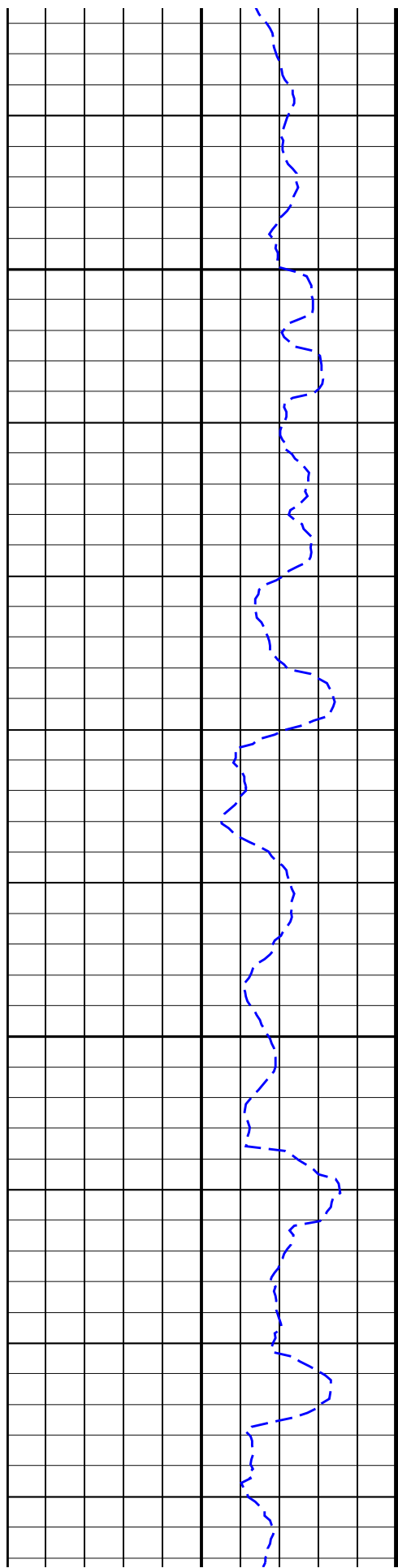
MLA A24A RT GR 1:200MD

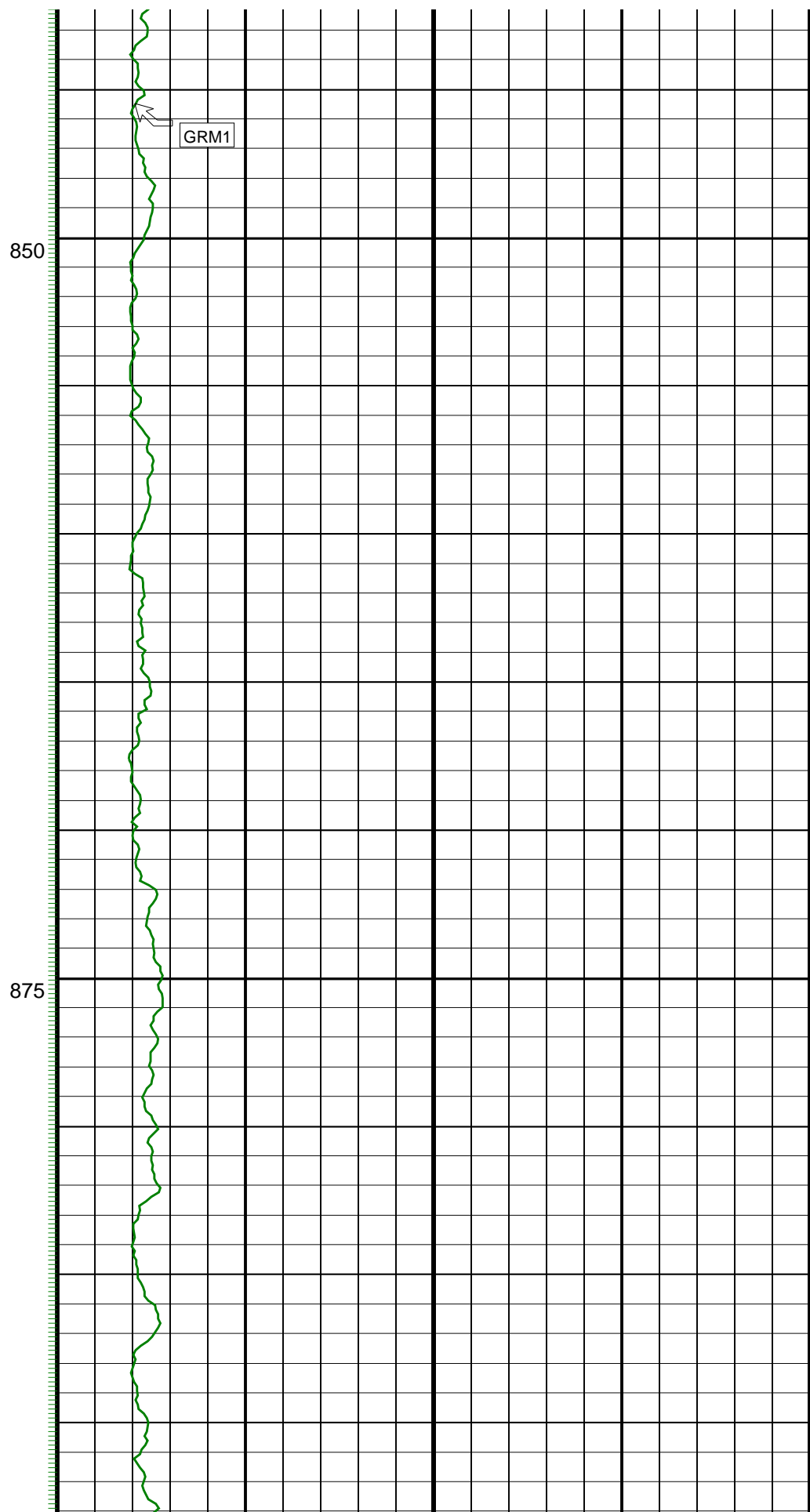
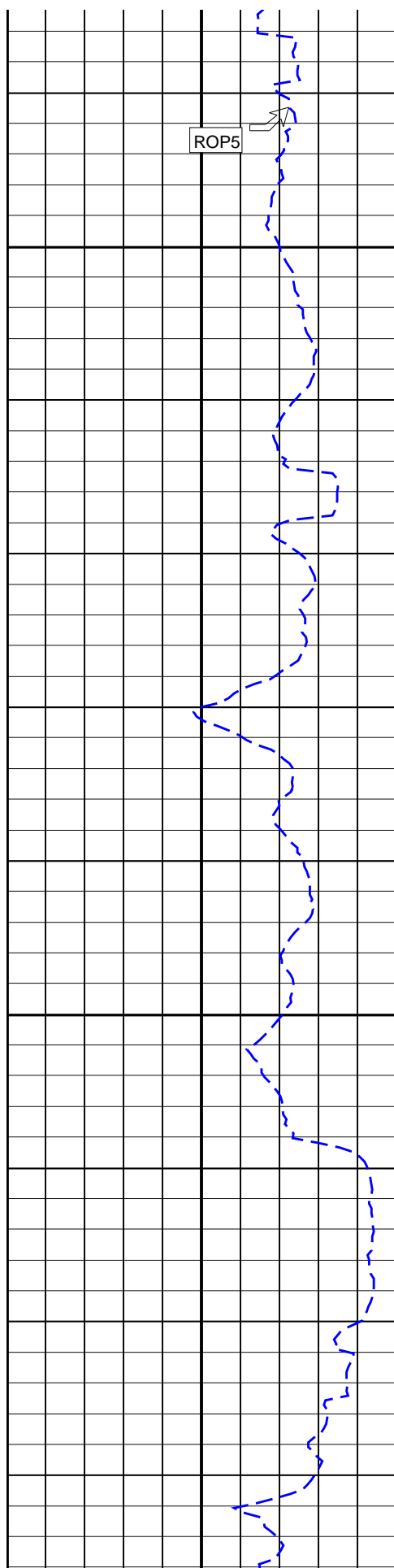
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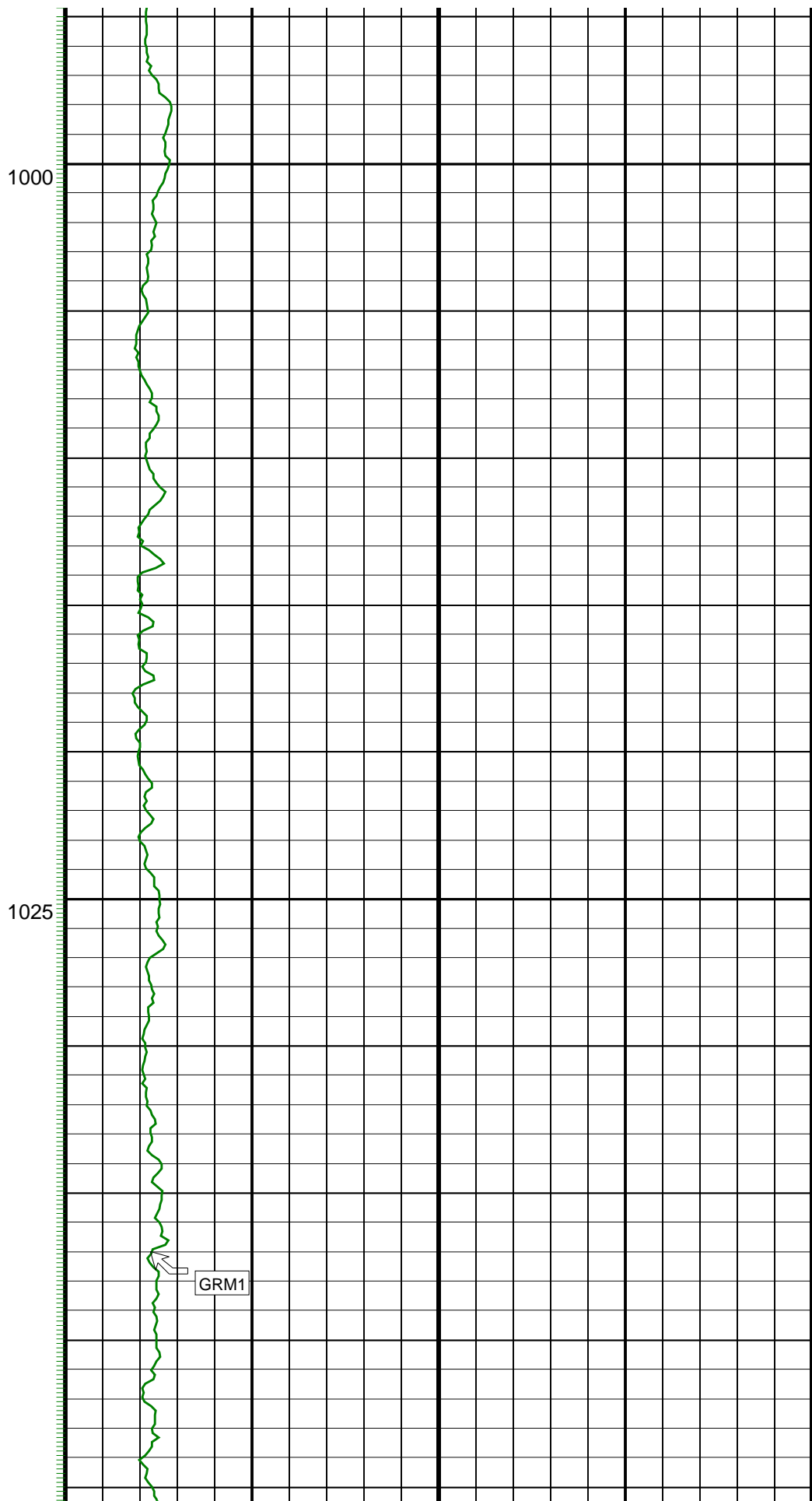
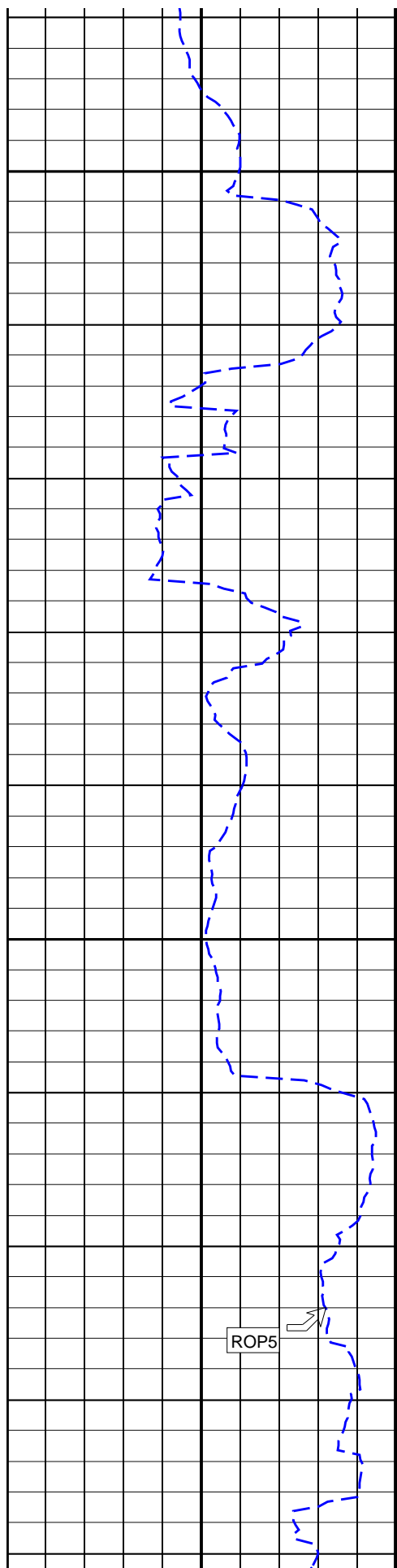
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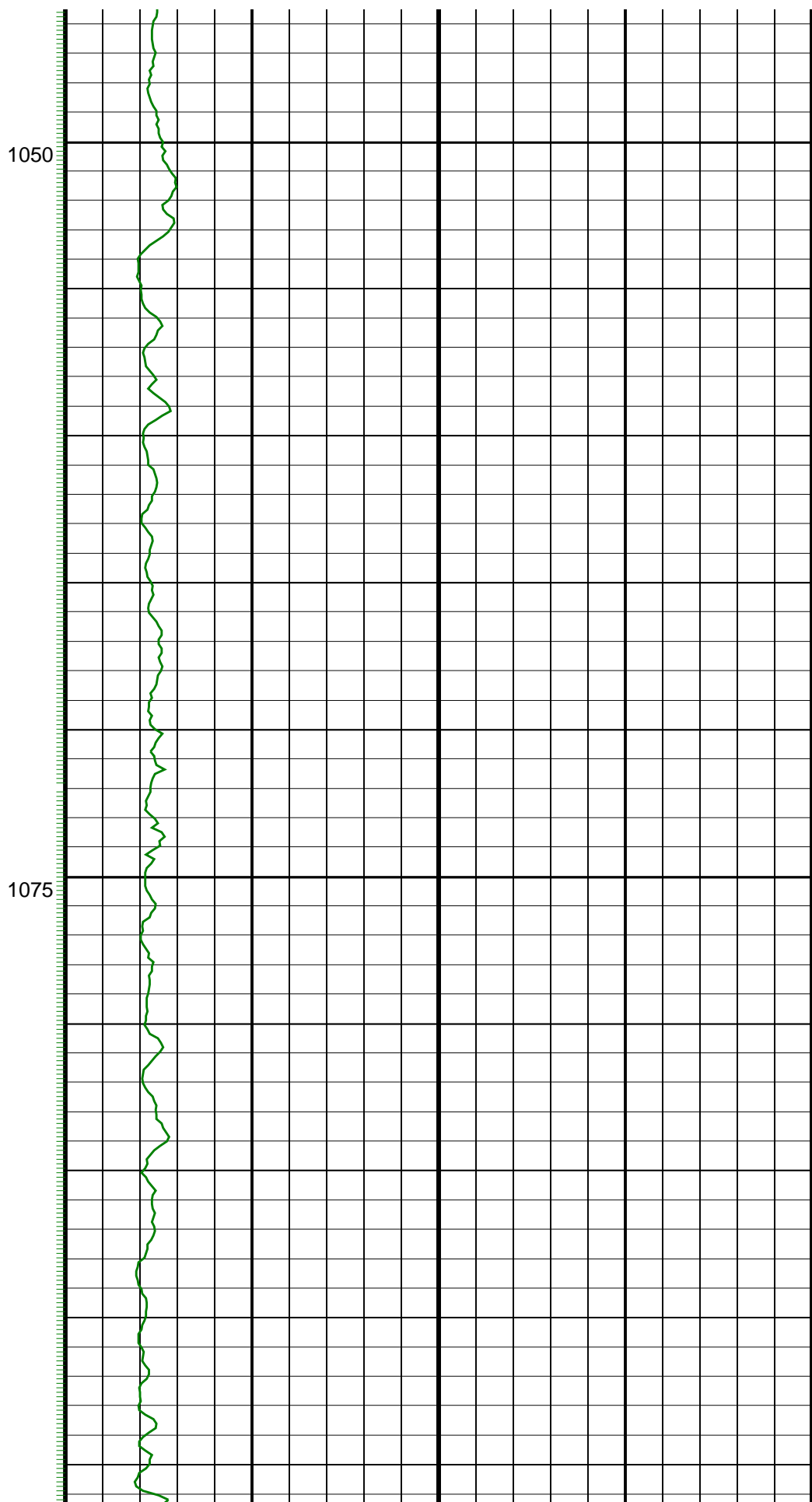
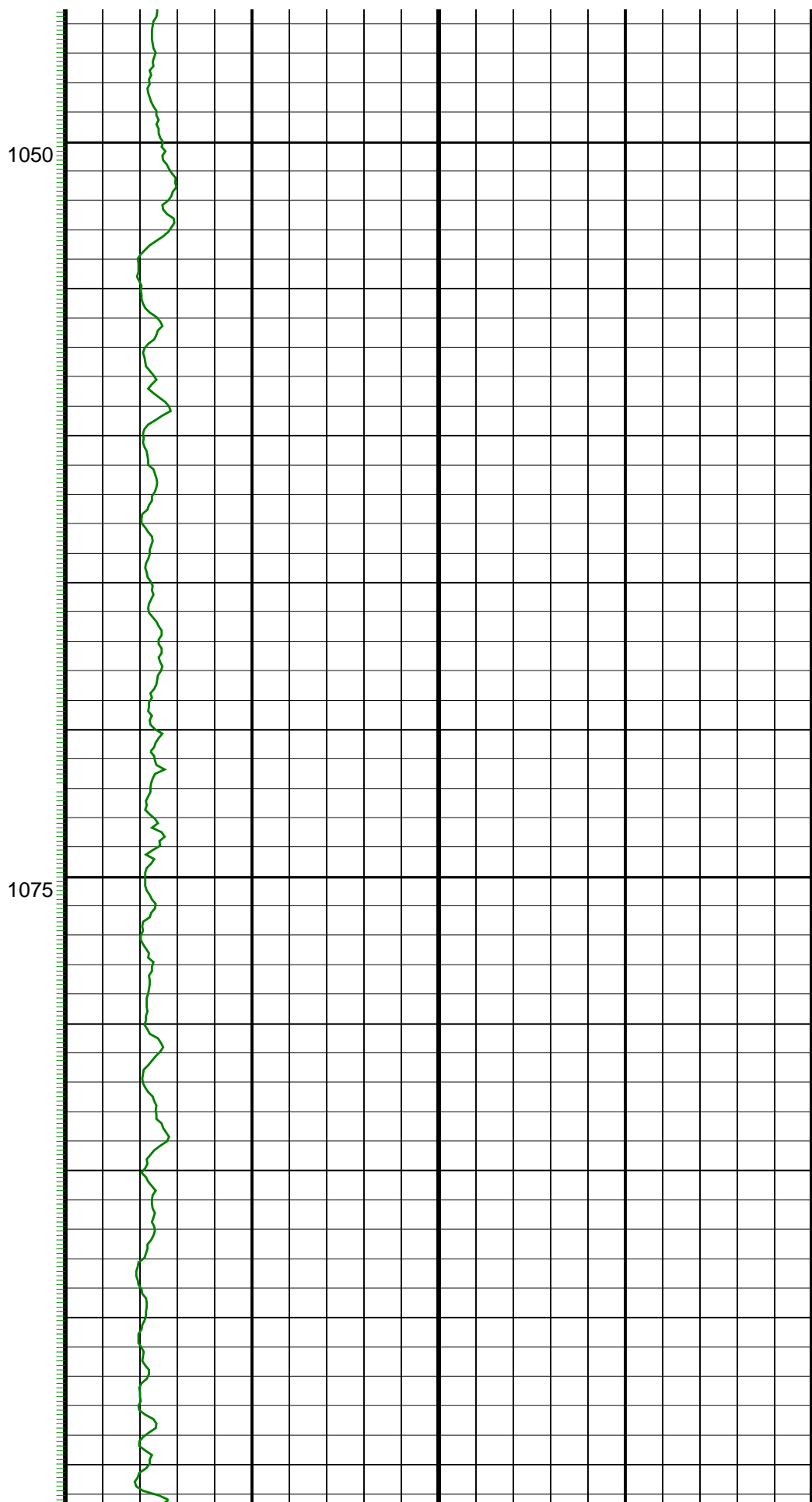
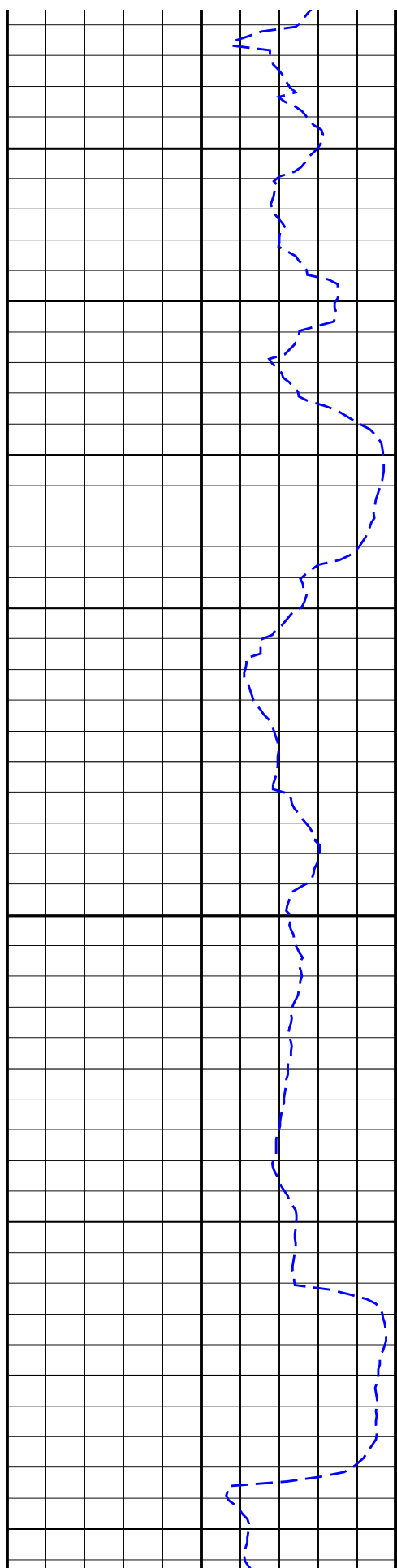


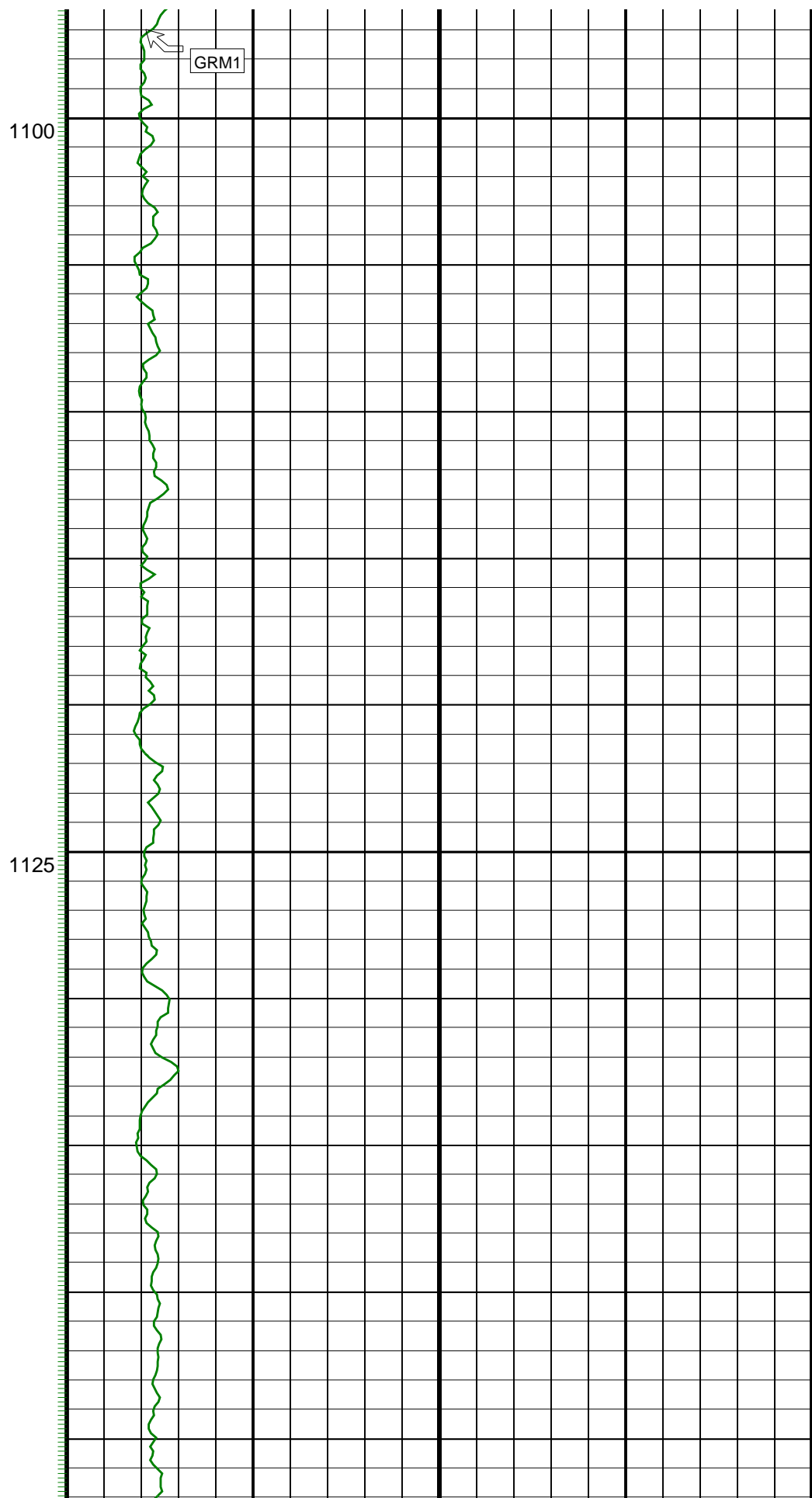
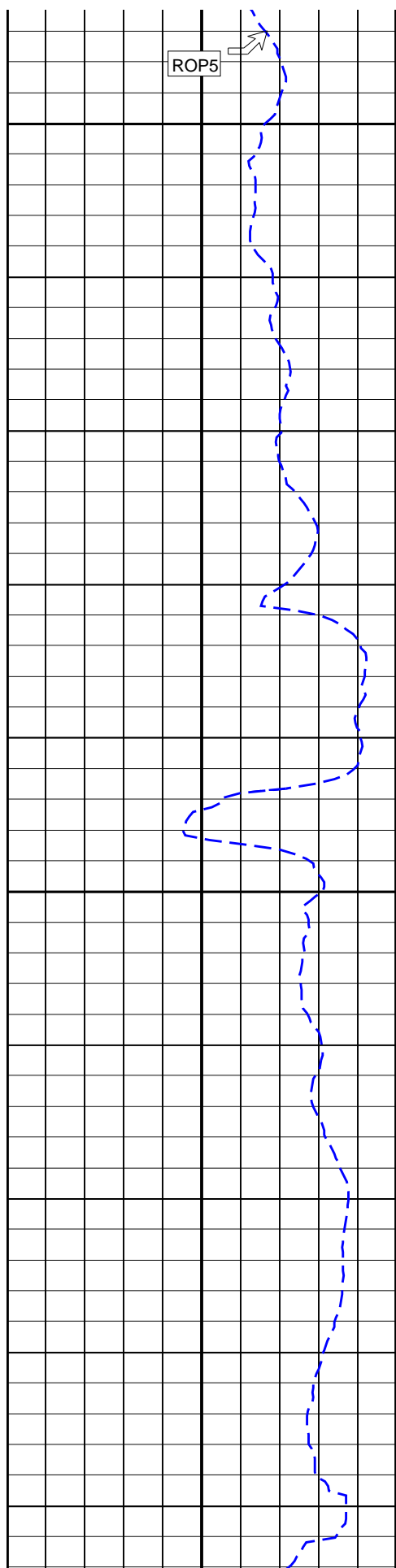


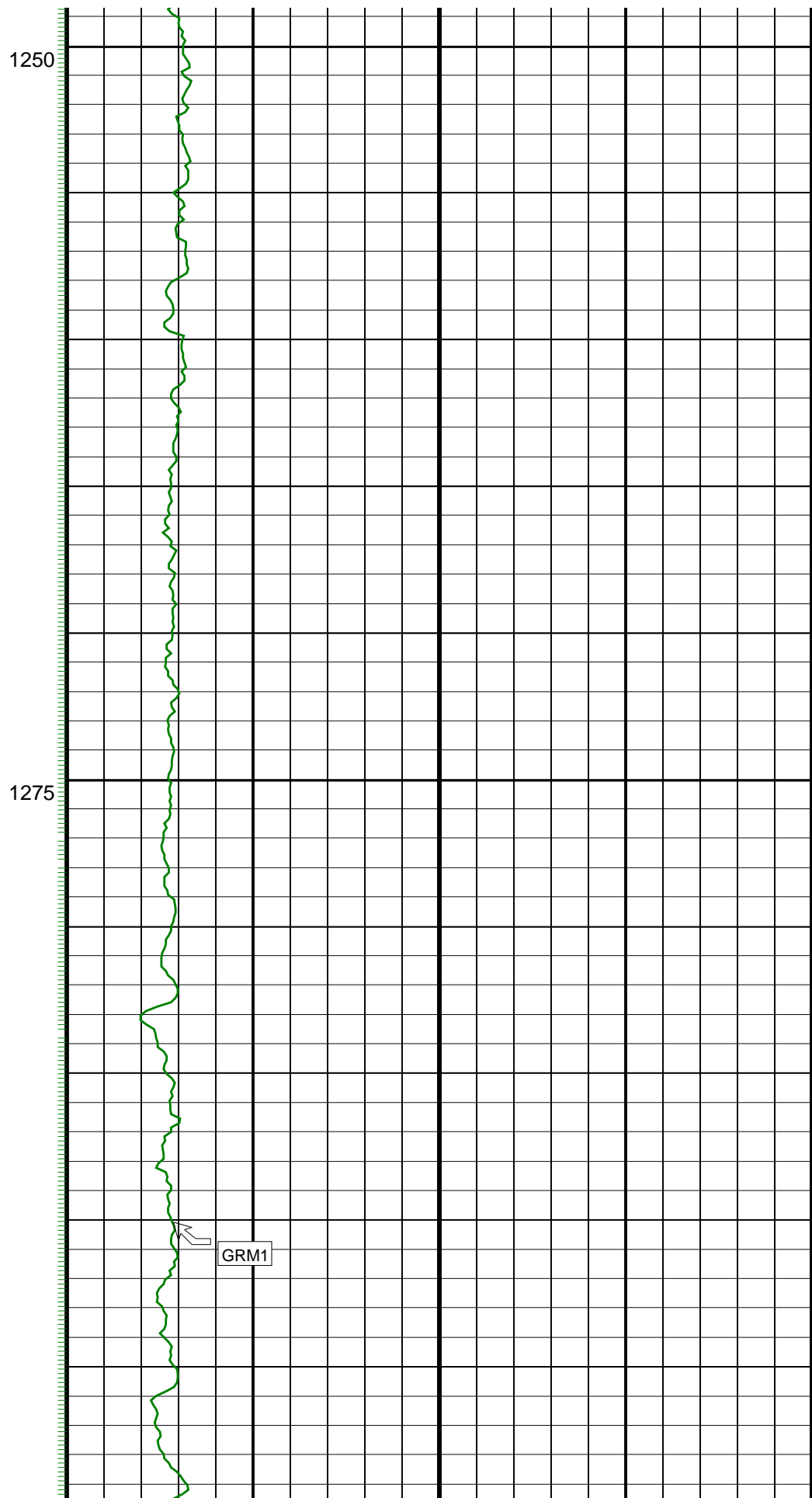
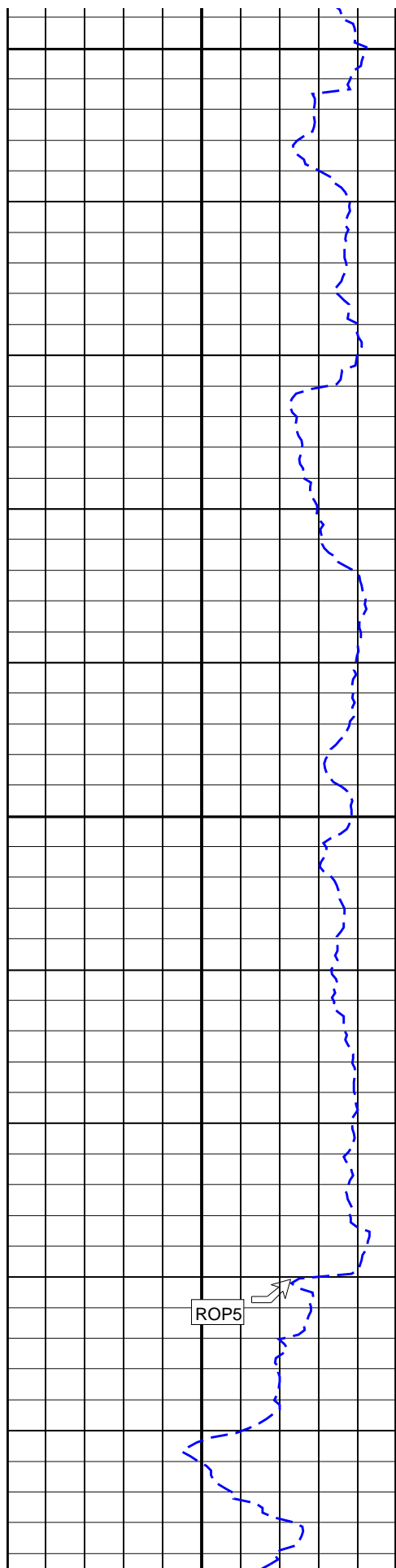


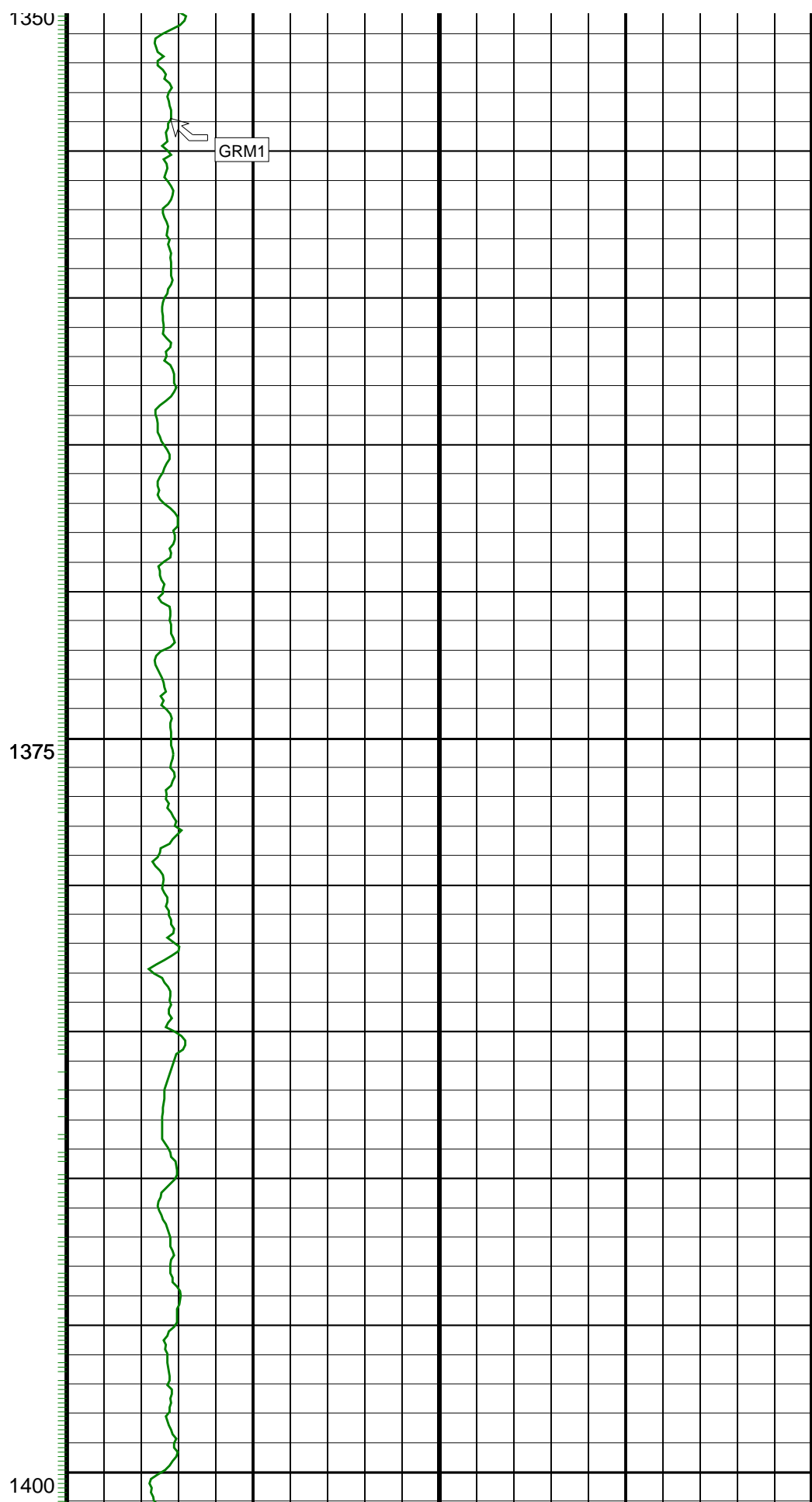
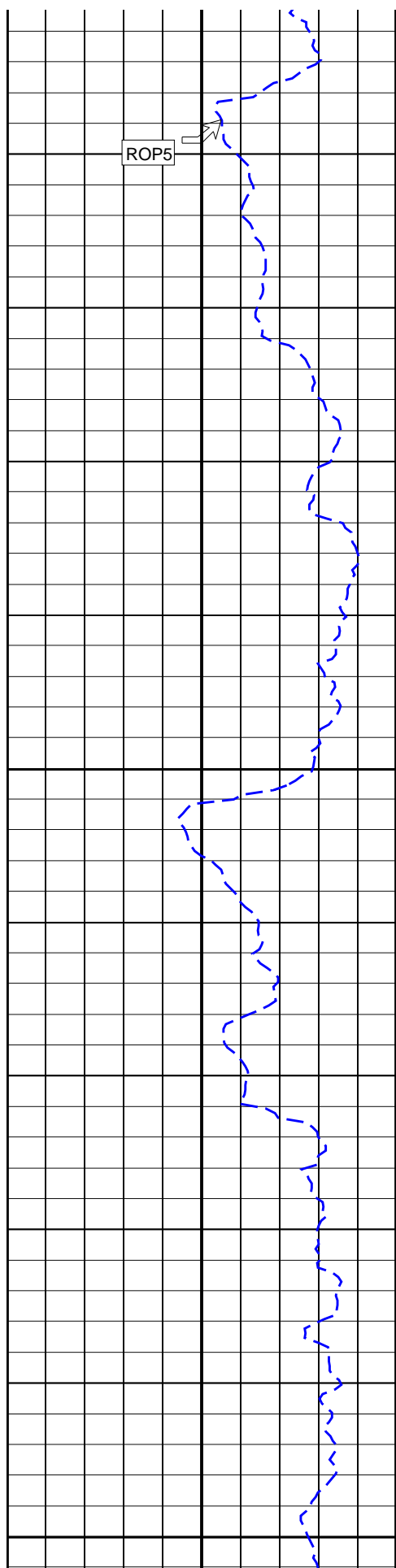


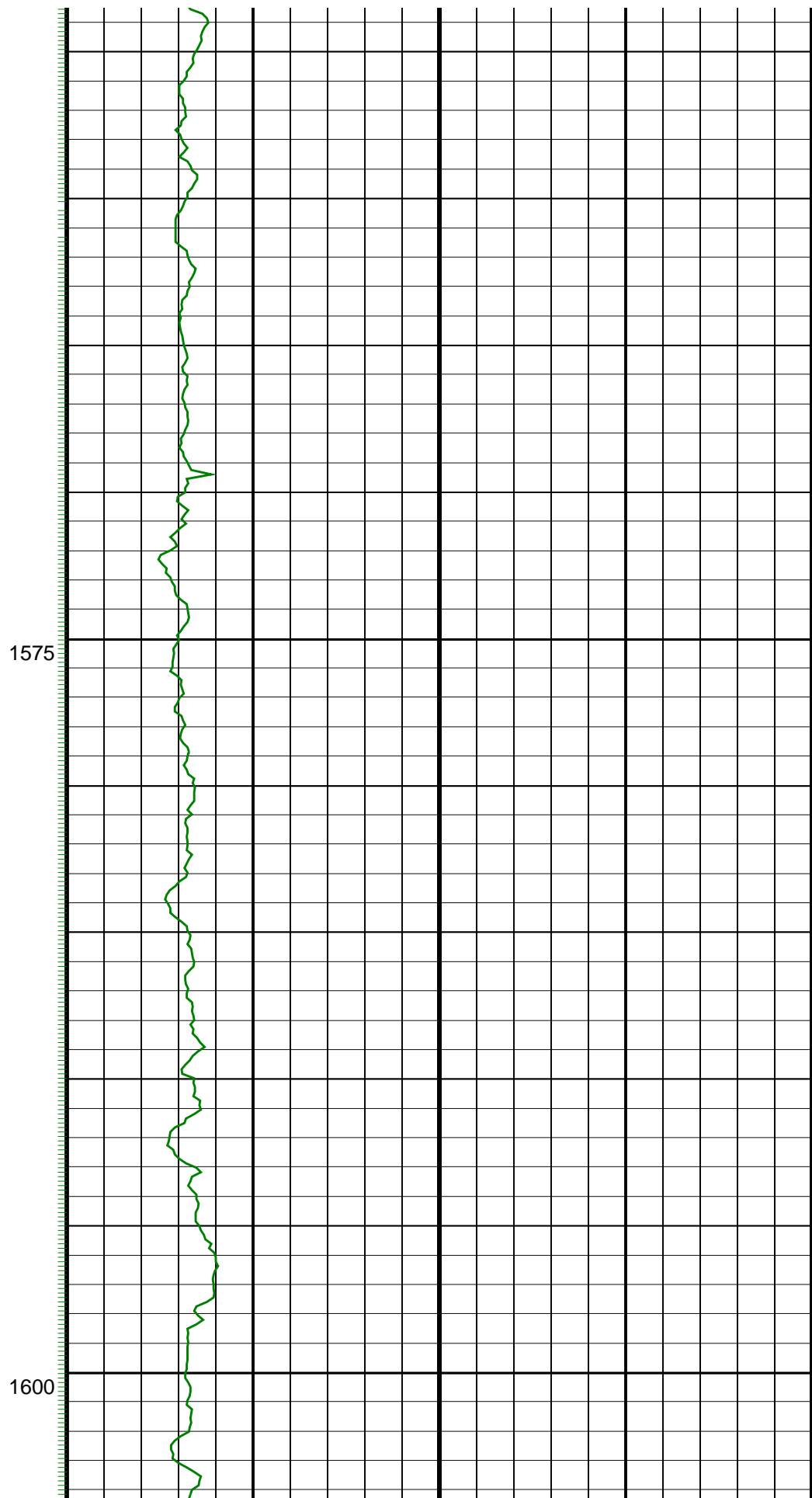
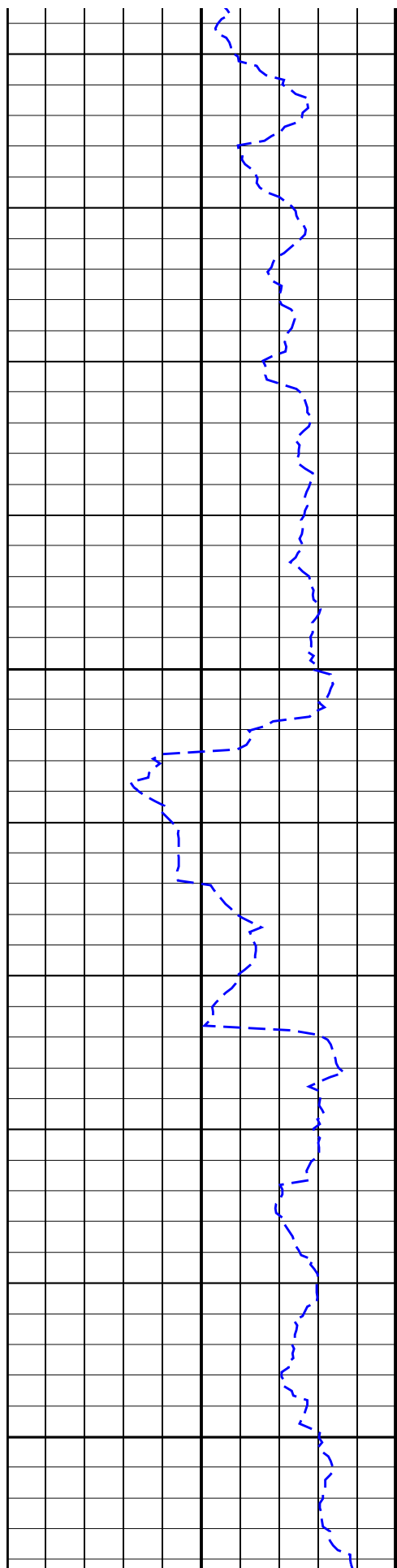










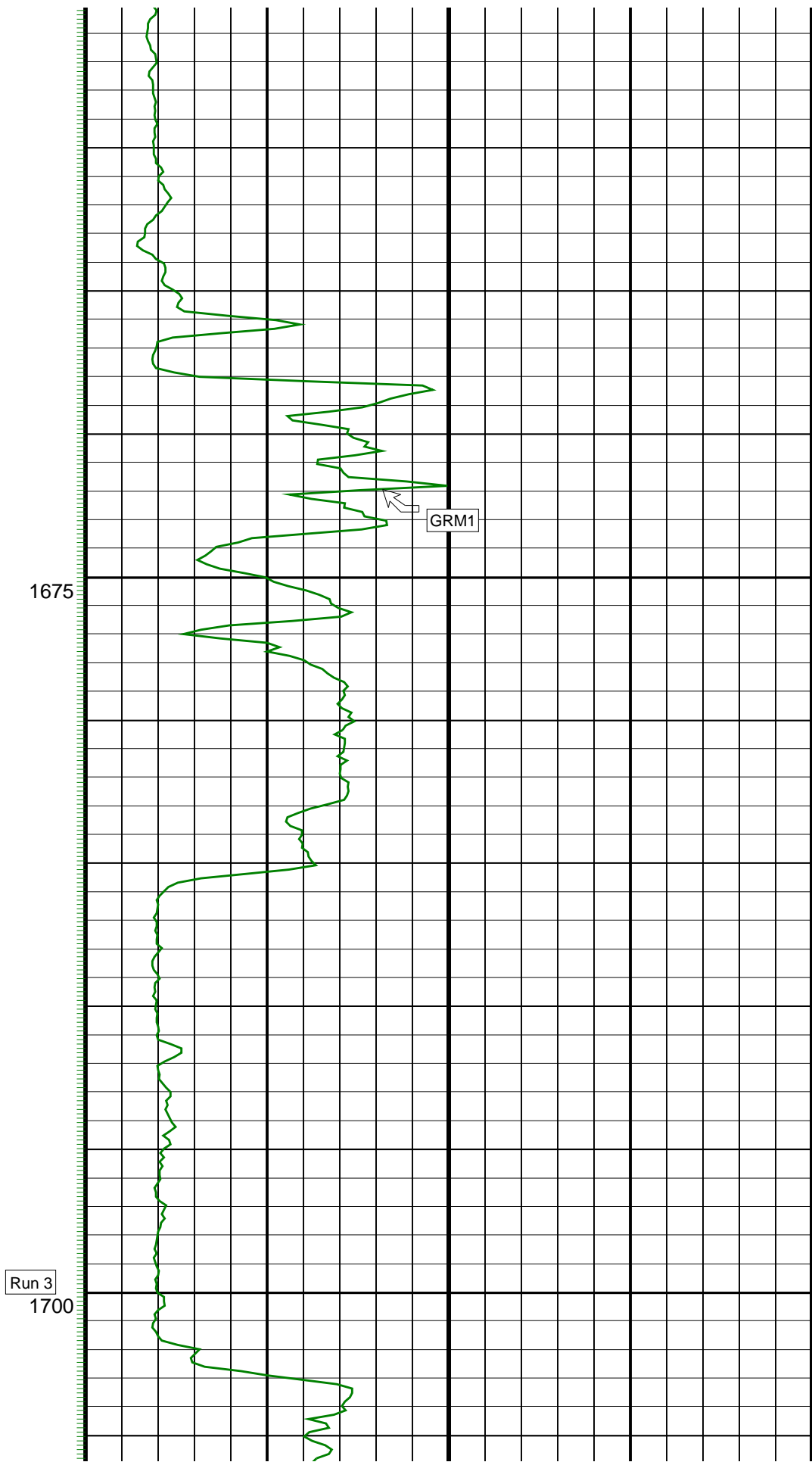
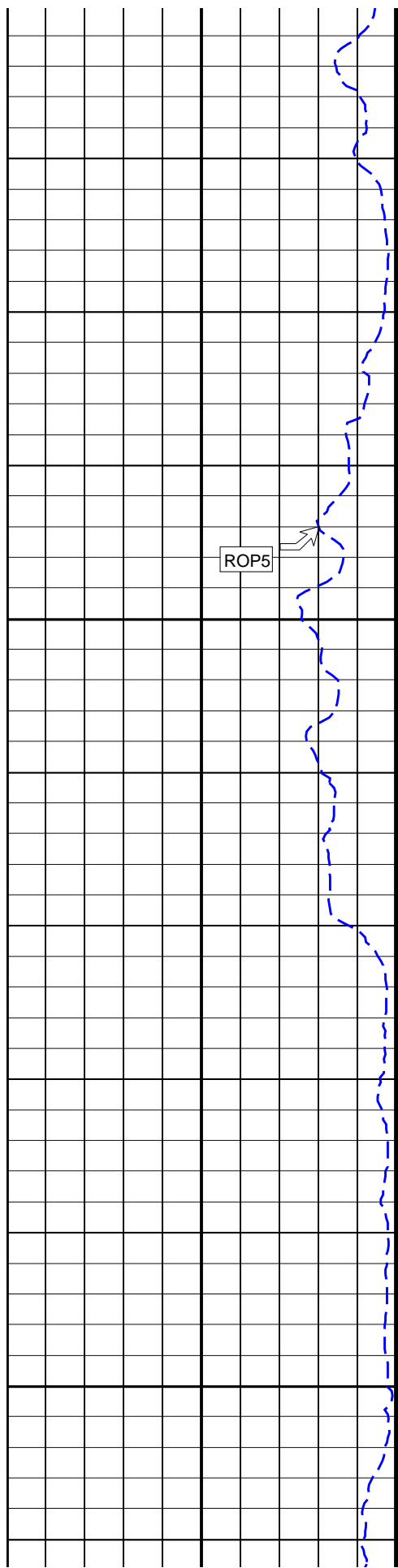


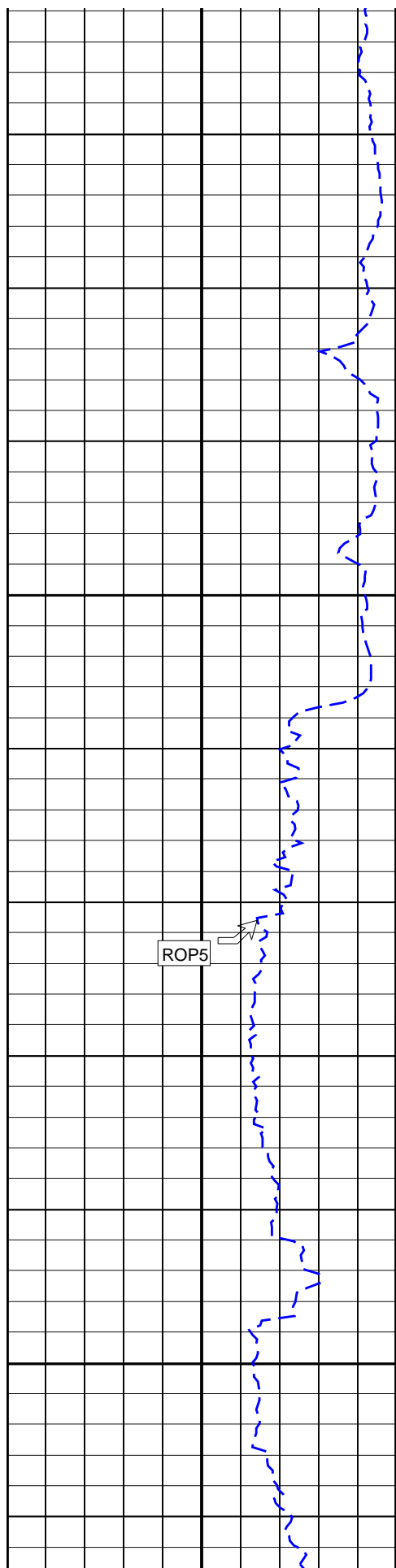
ROP5

GRM1

1625

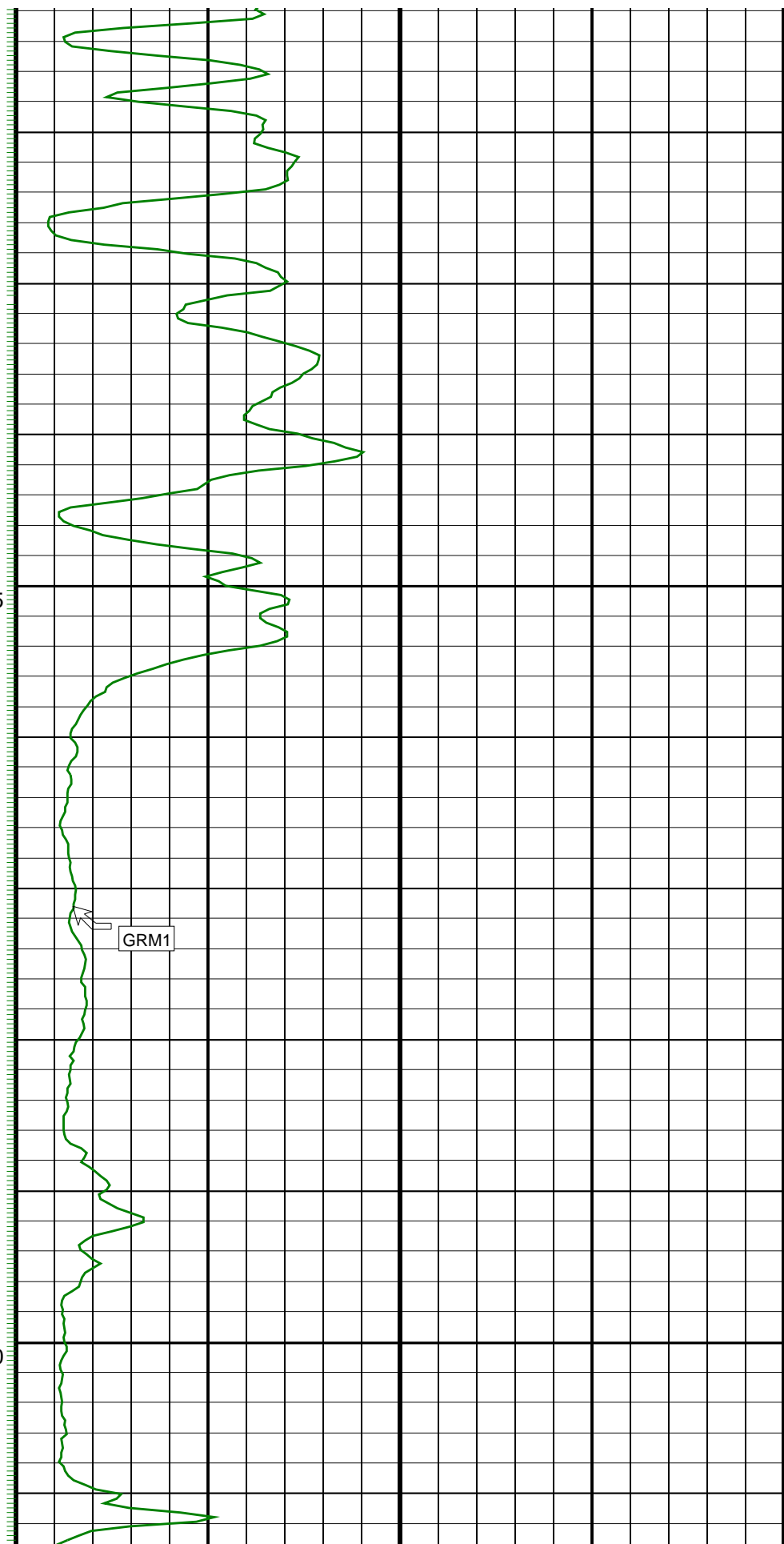
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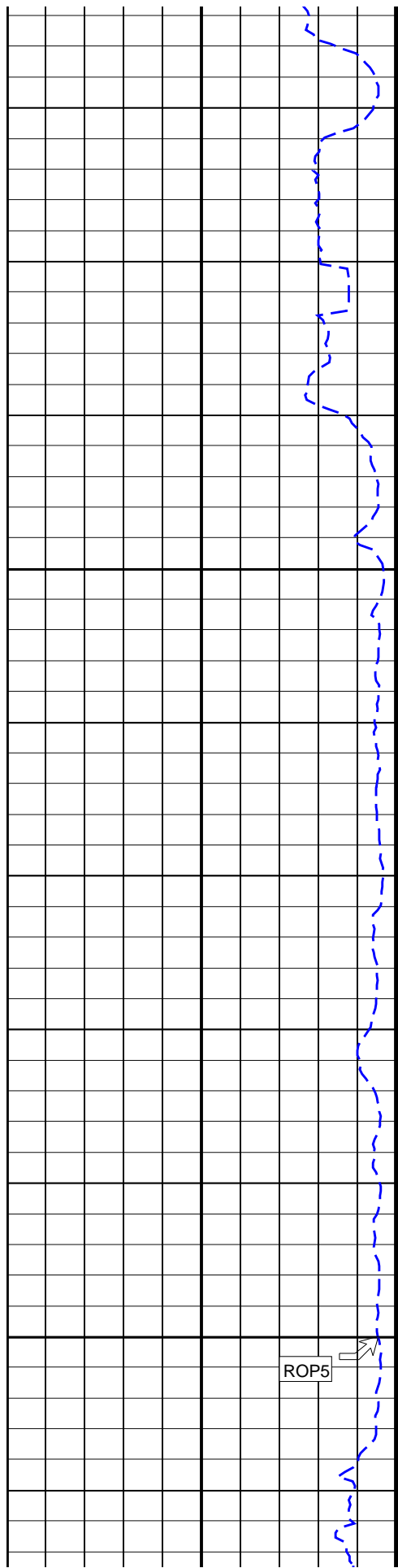




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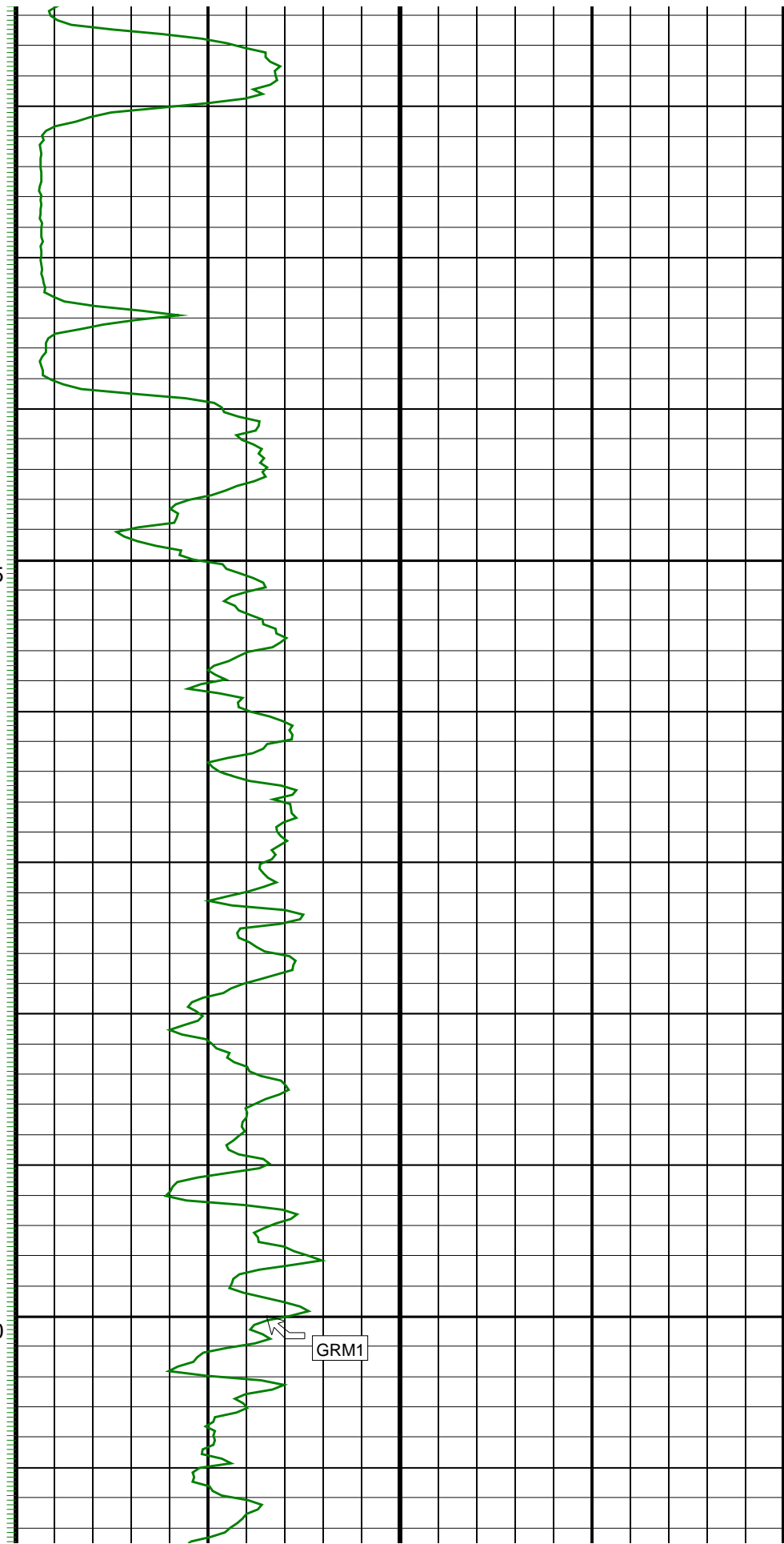
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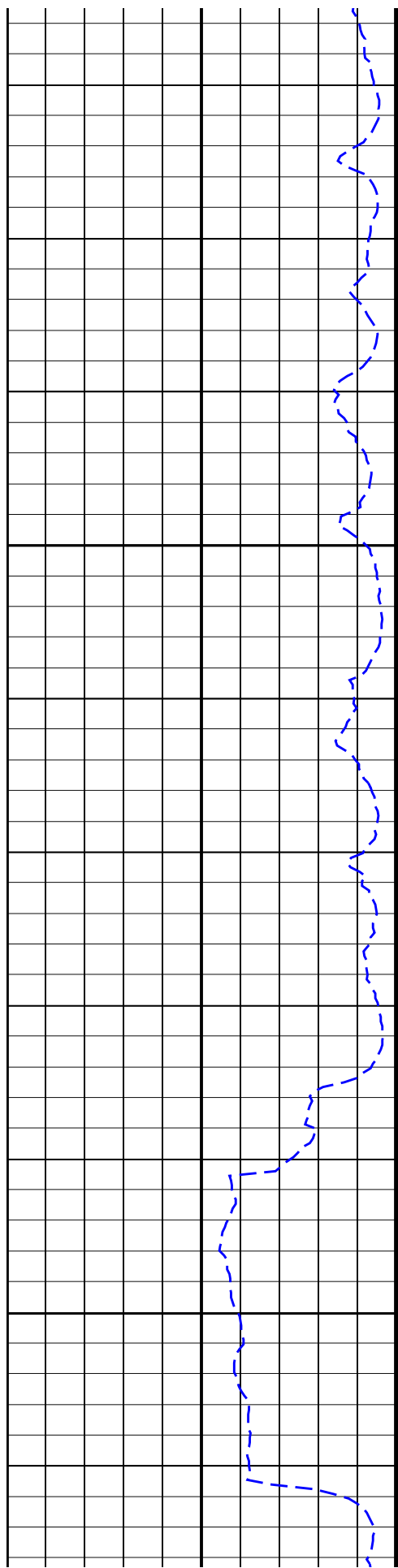




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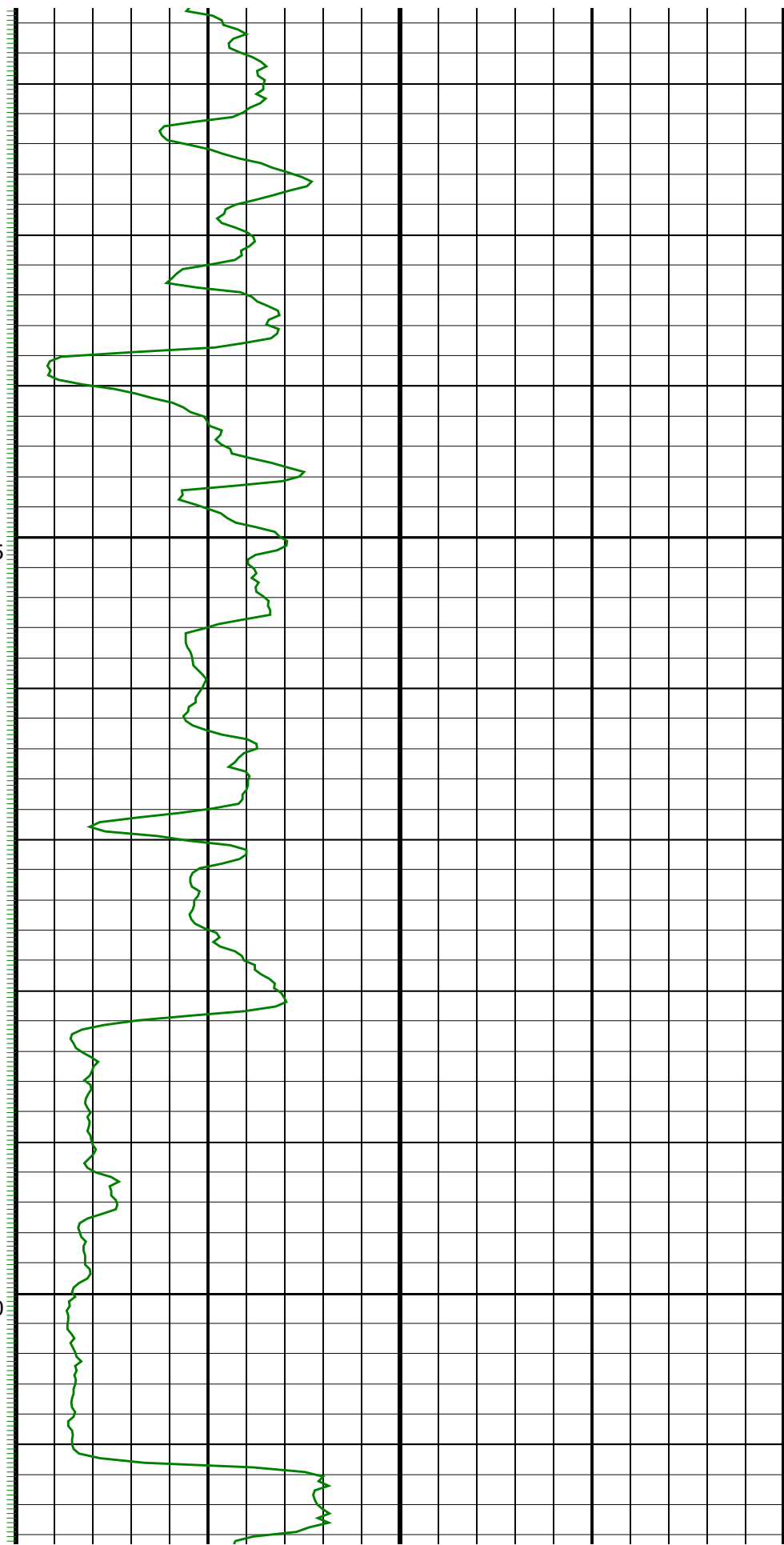
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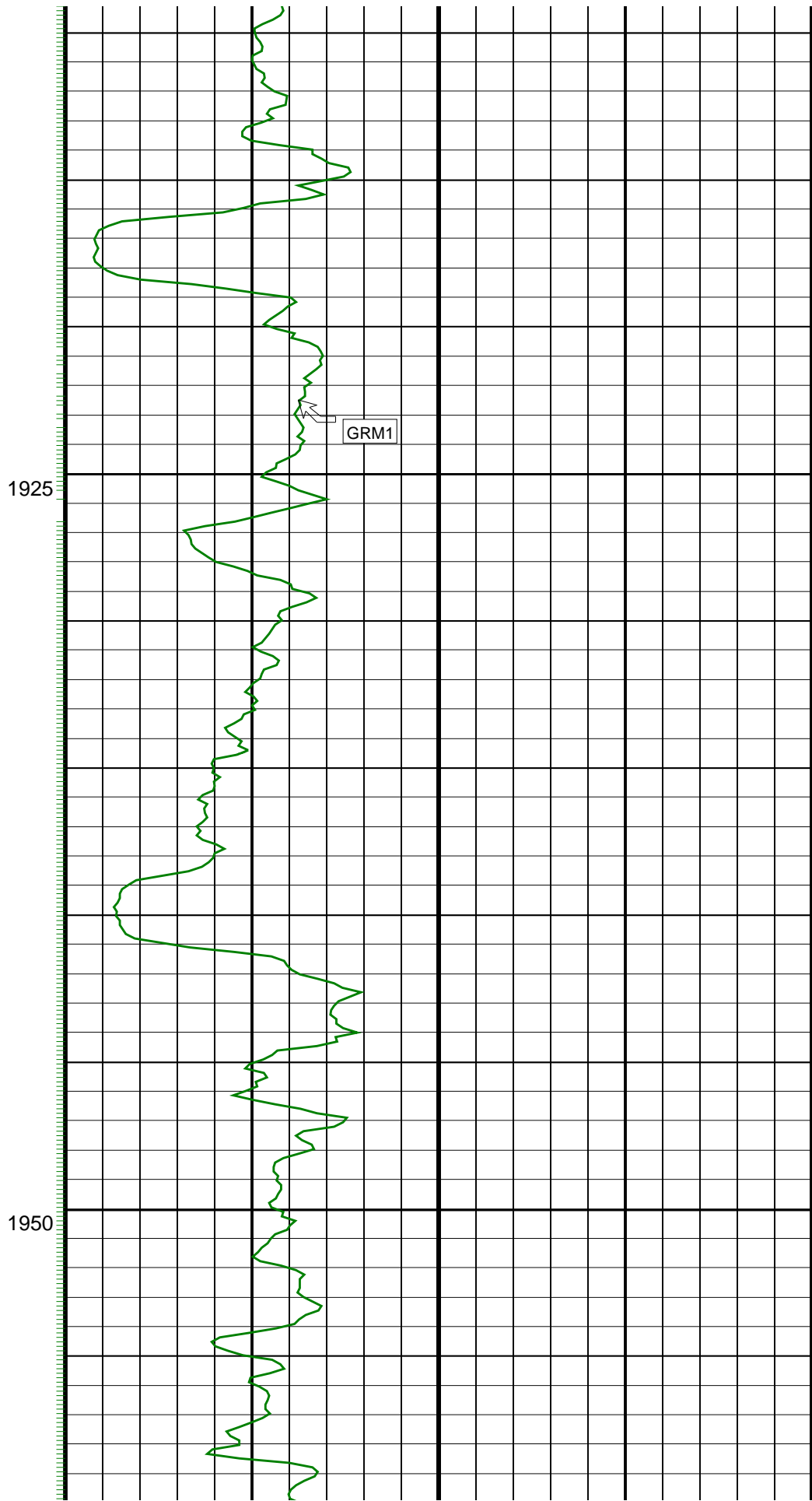
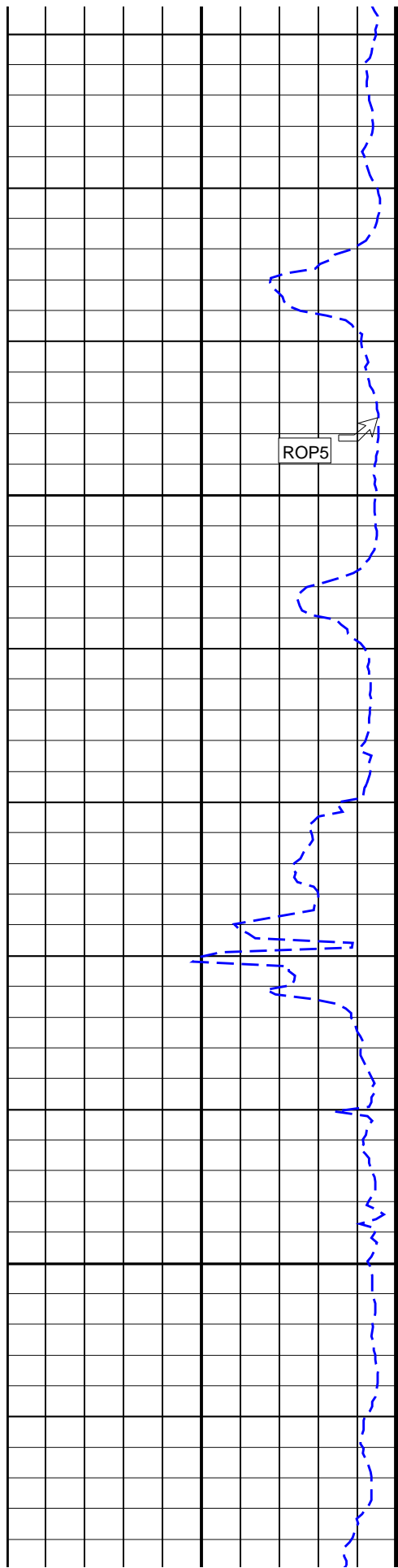


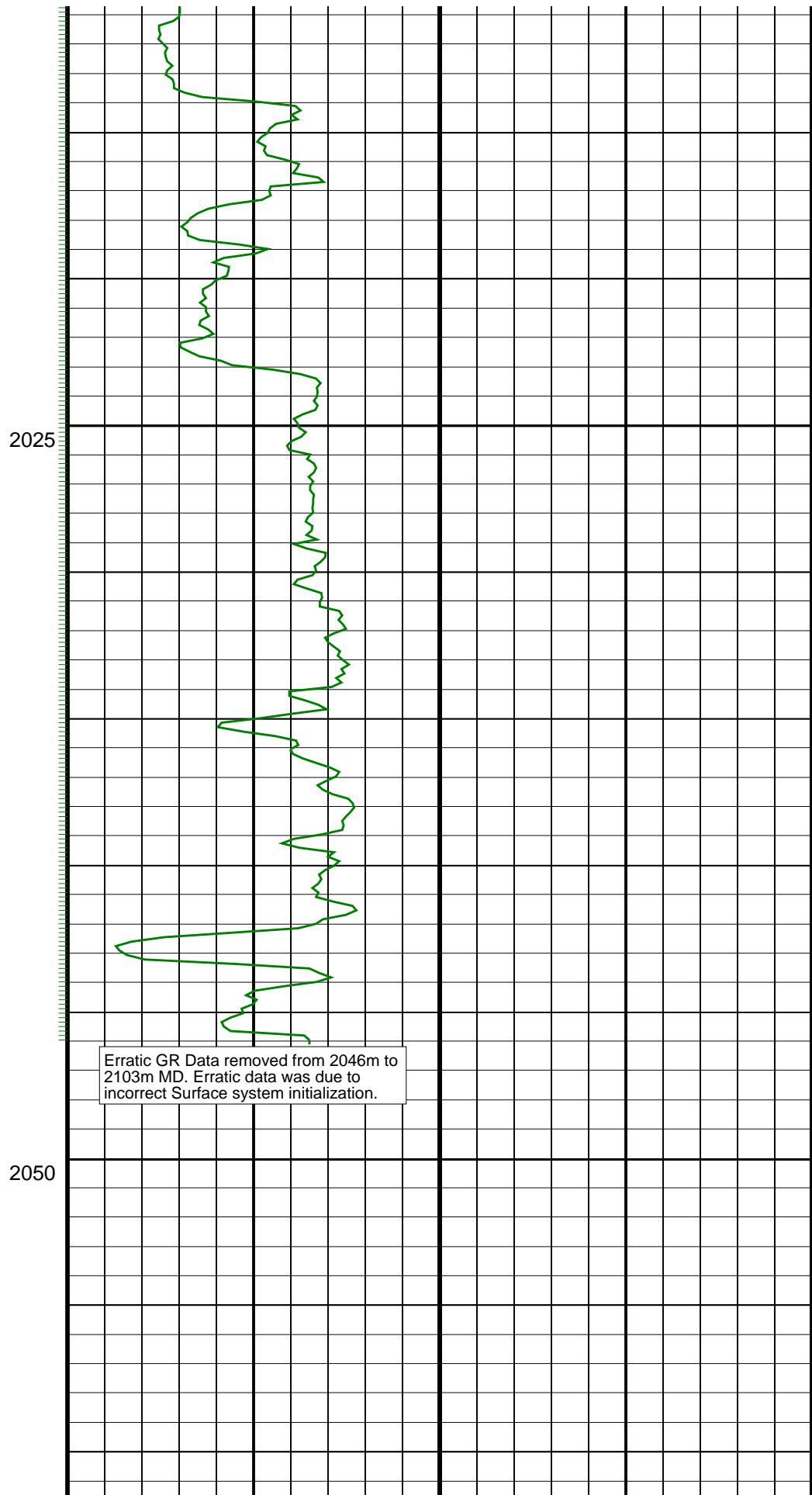
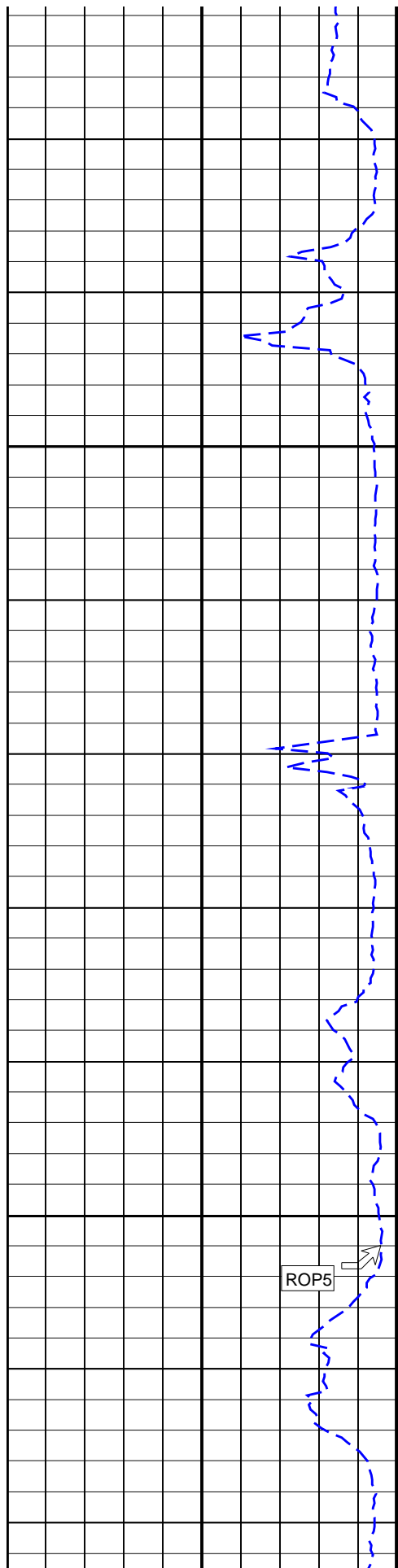


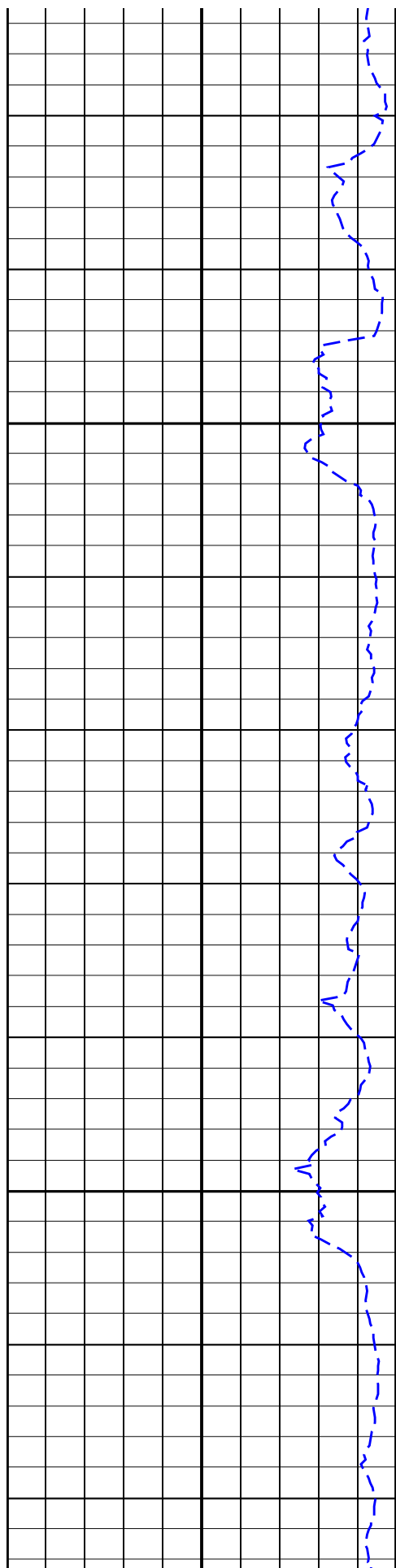
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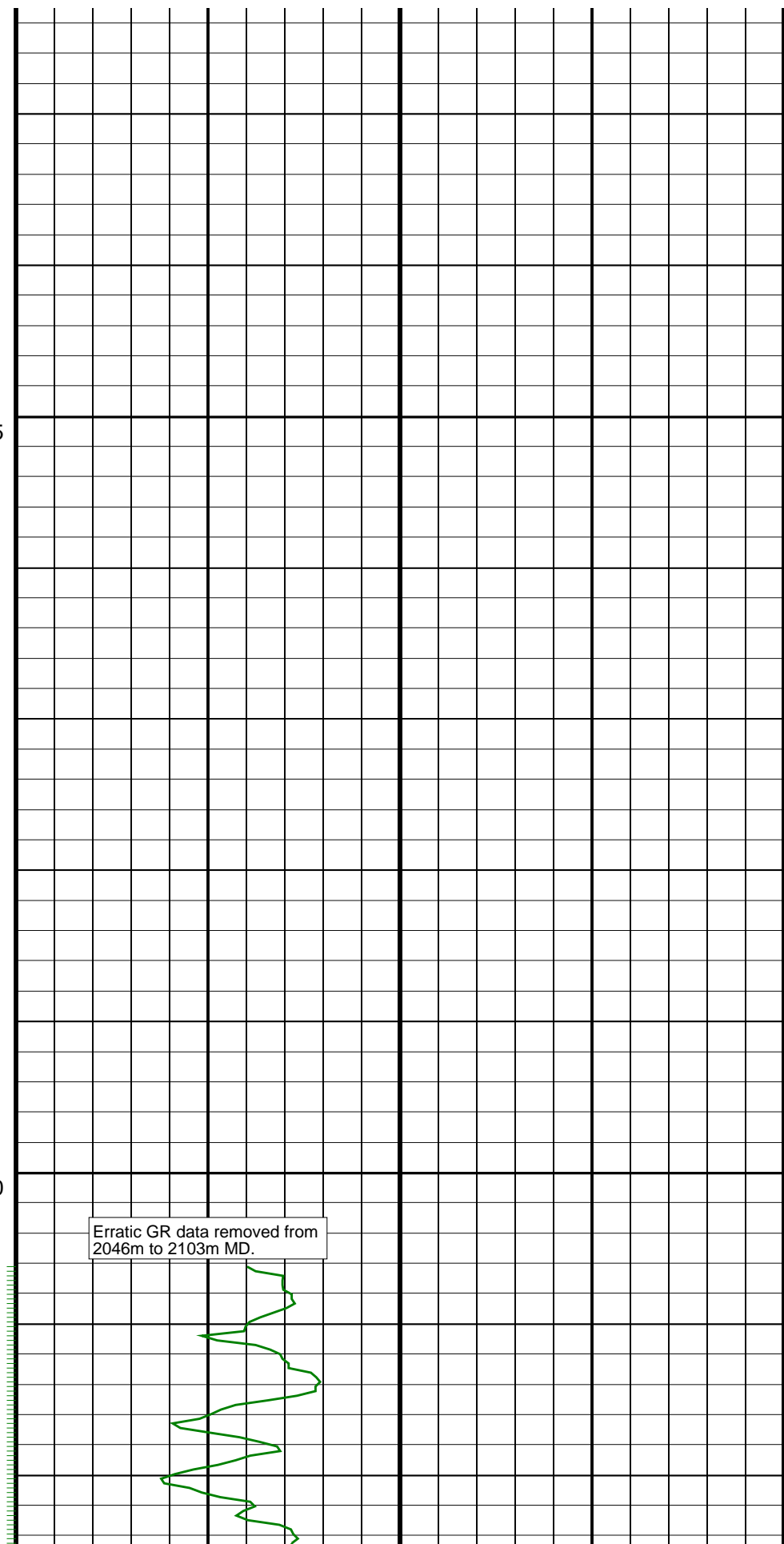


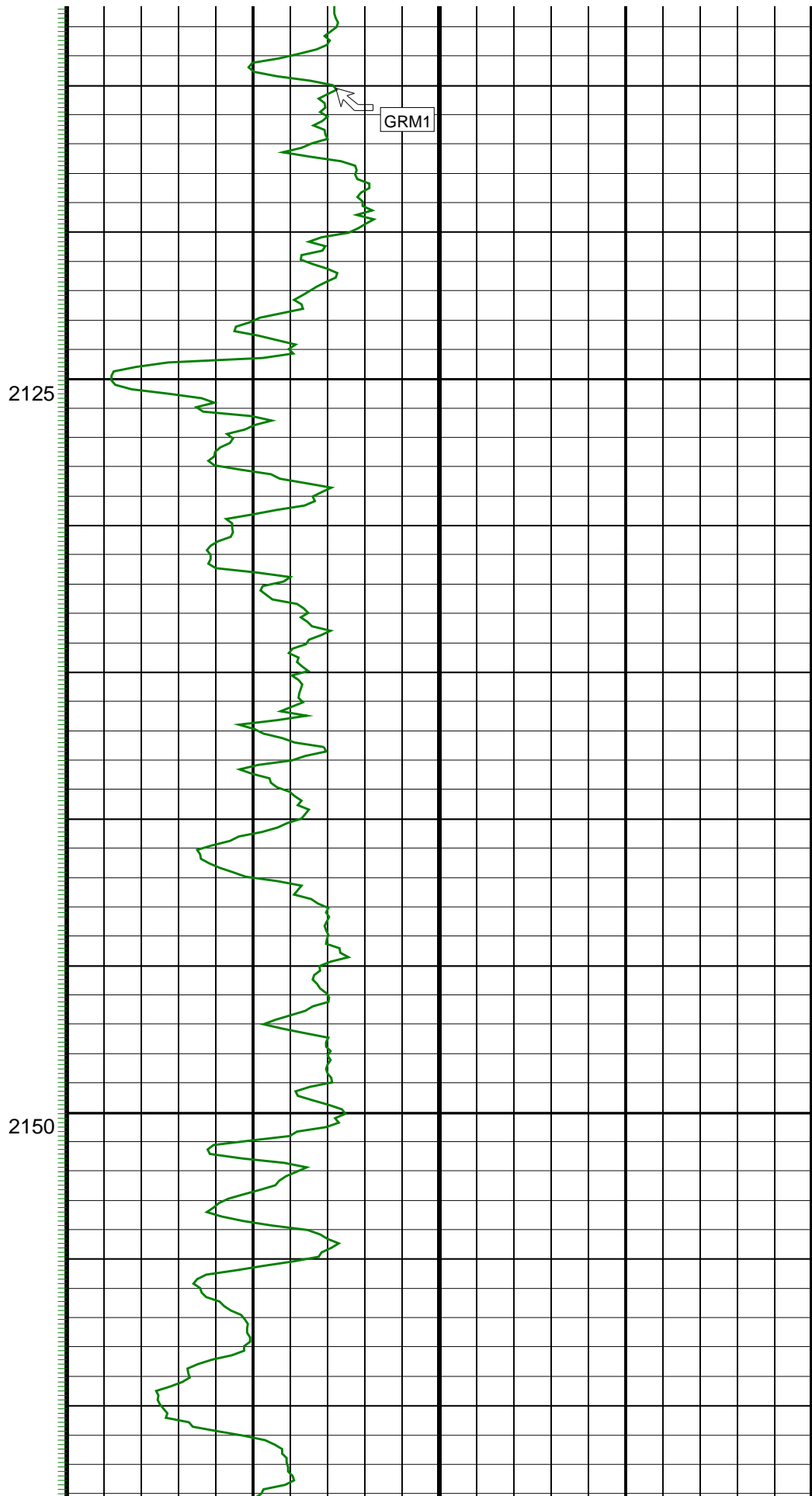
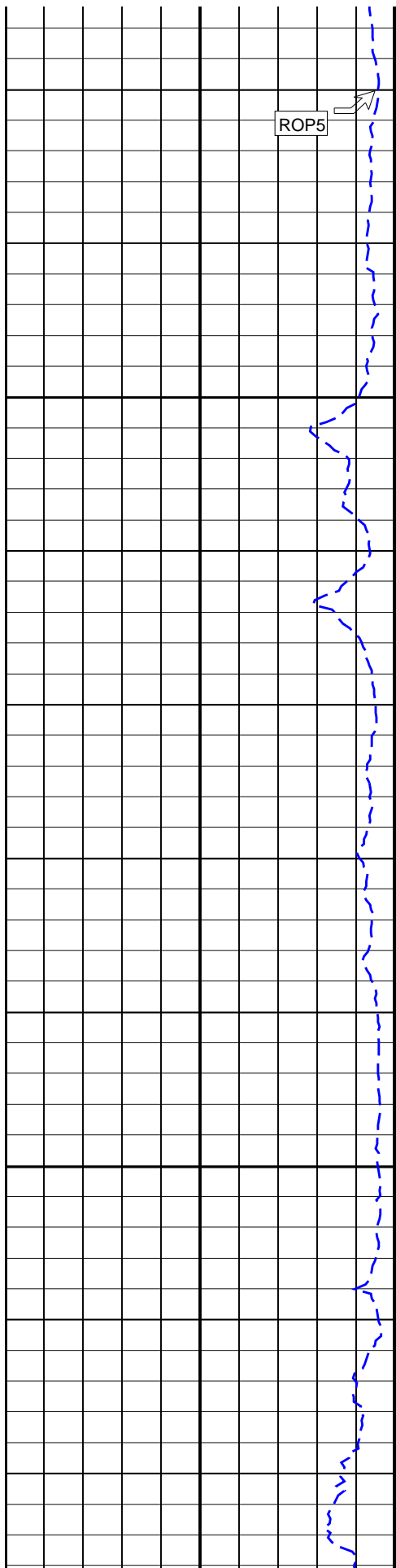


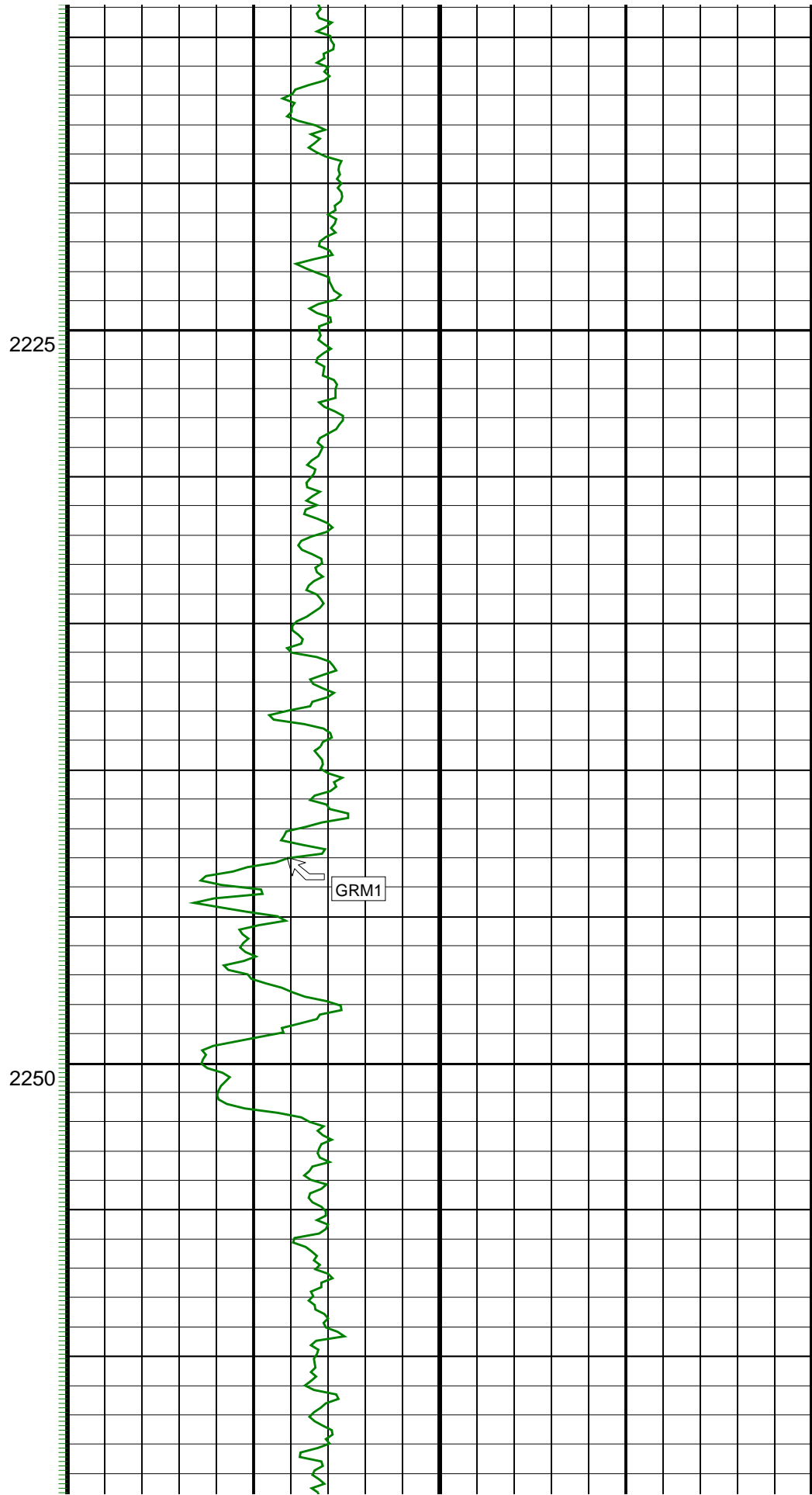
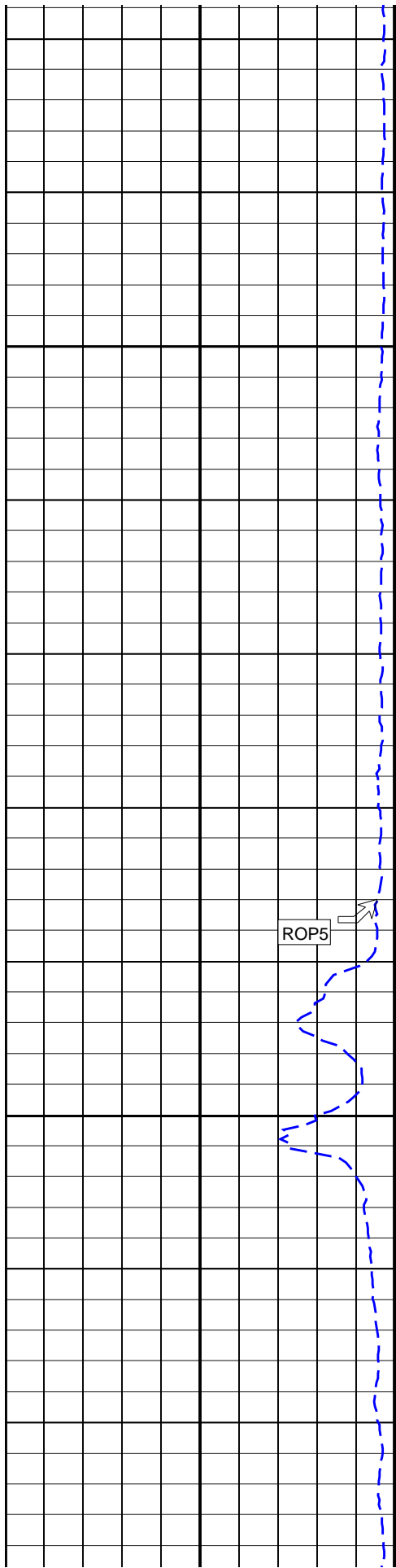
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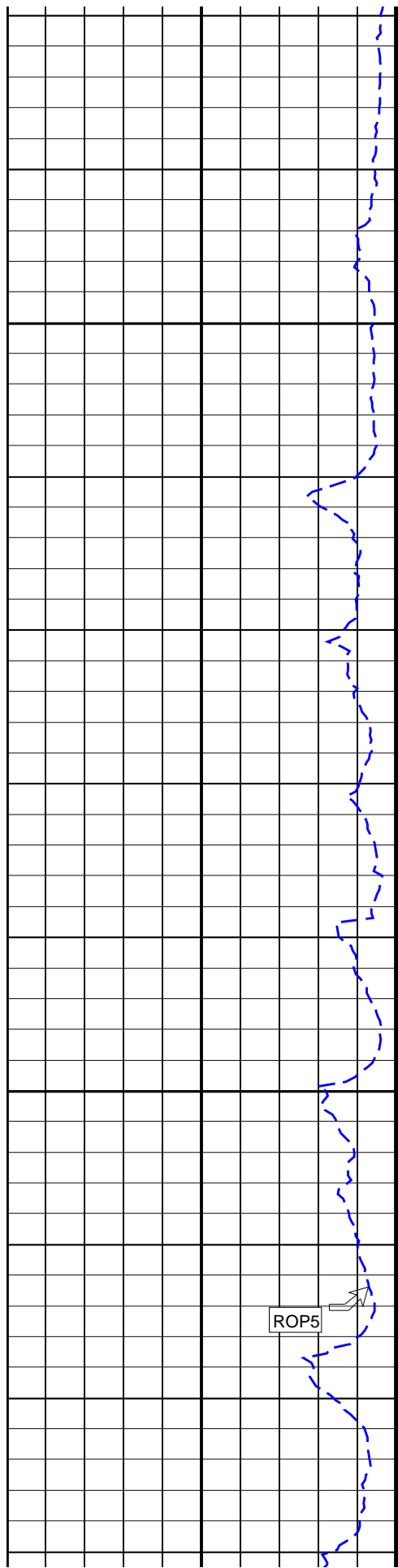
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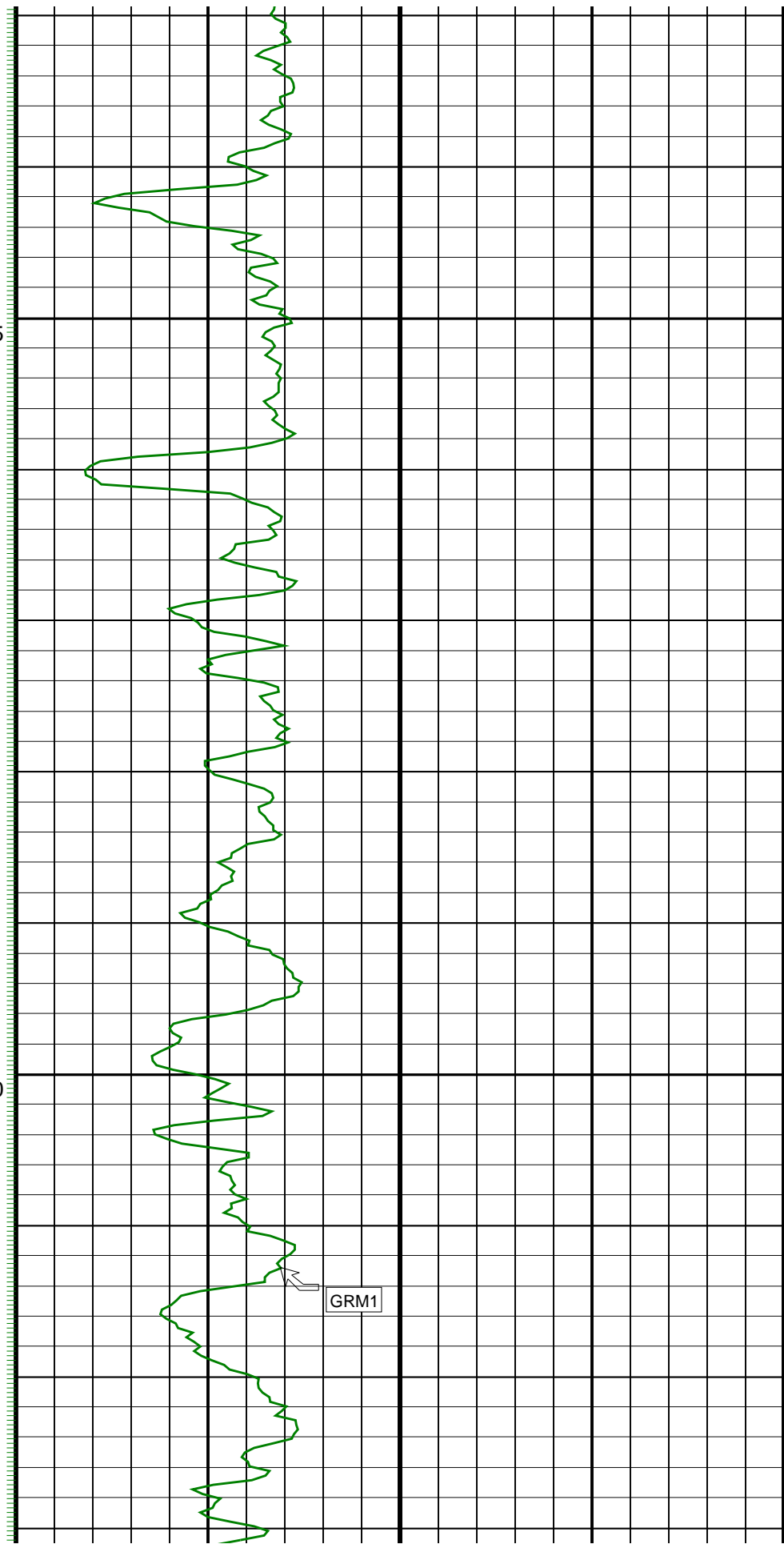


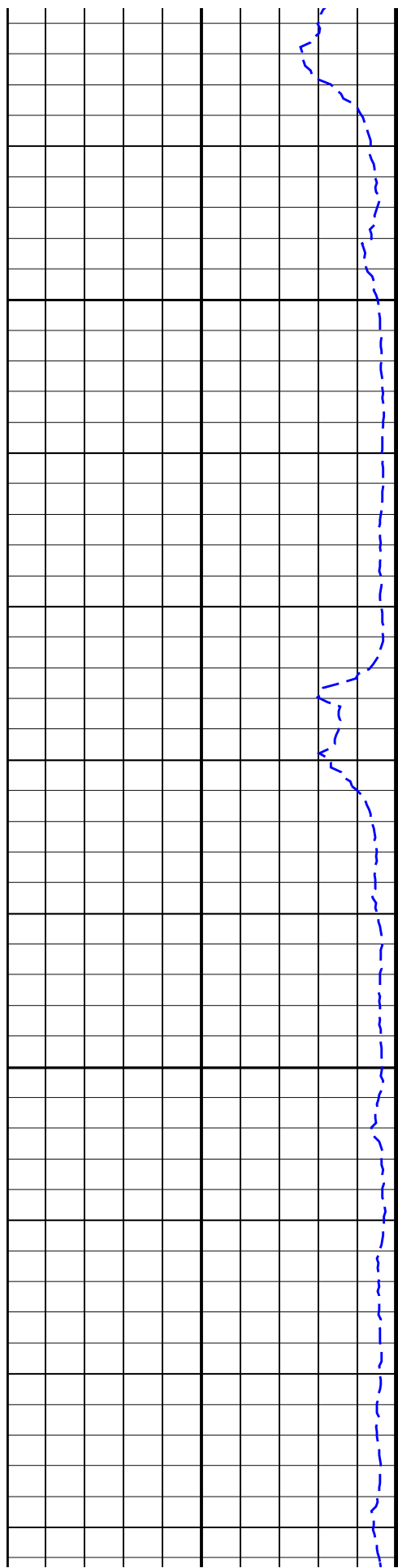




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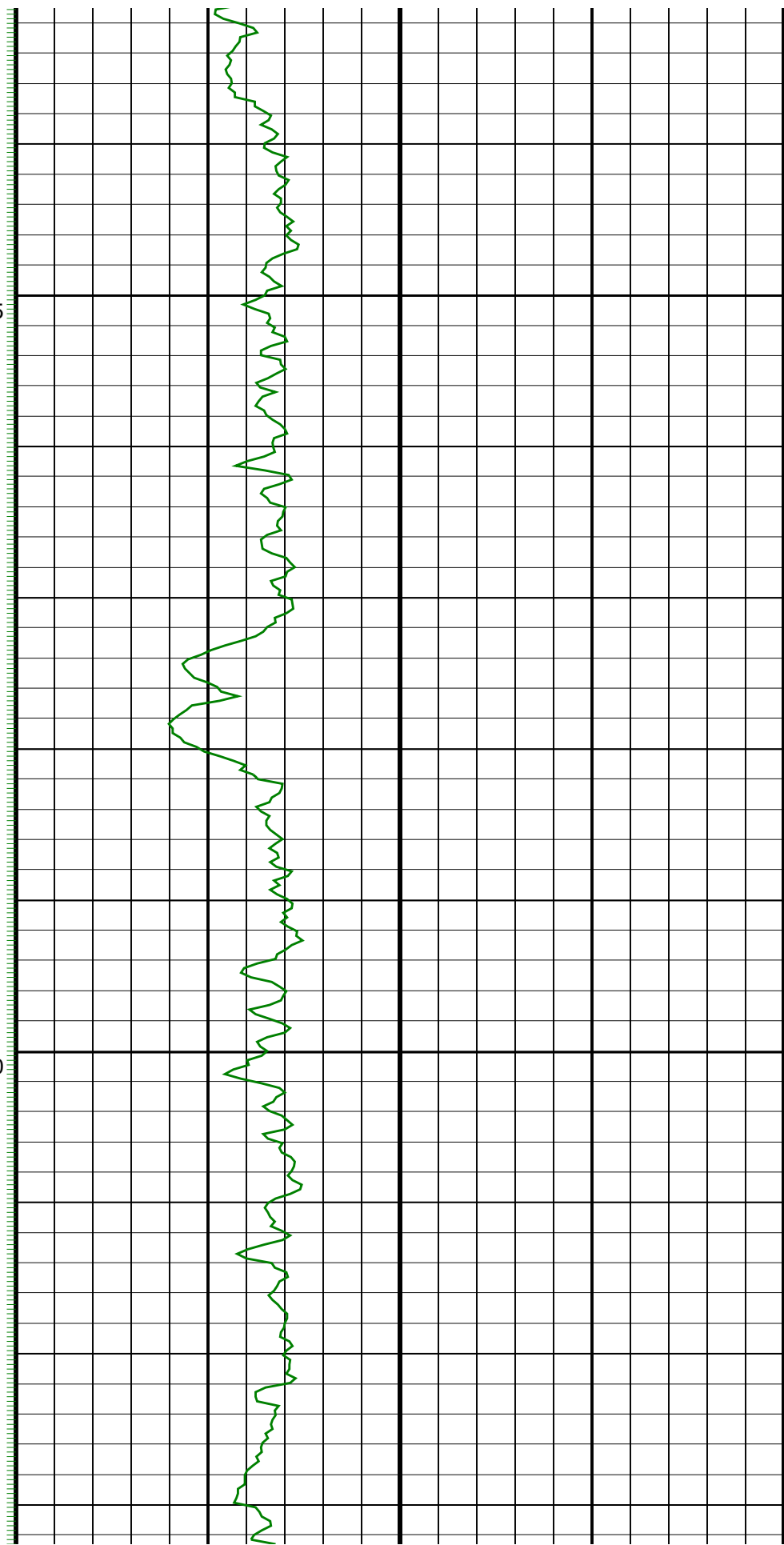
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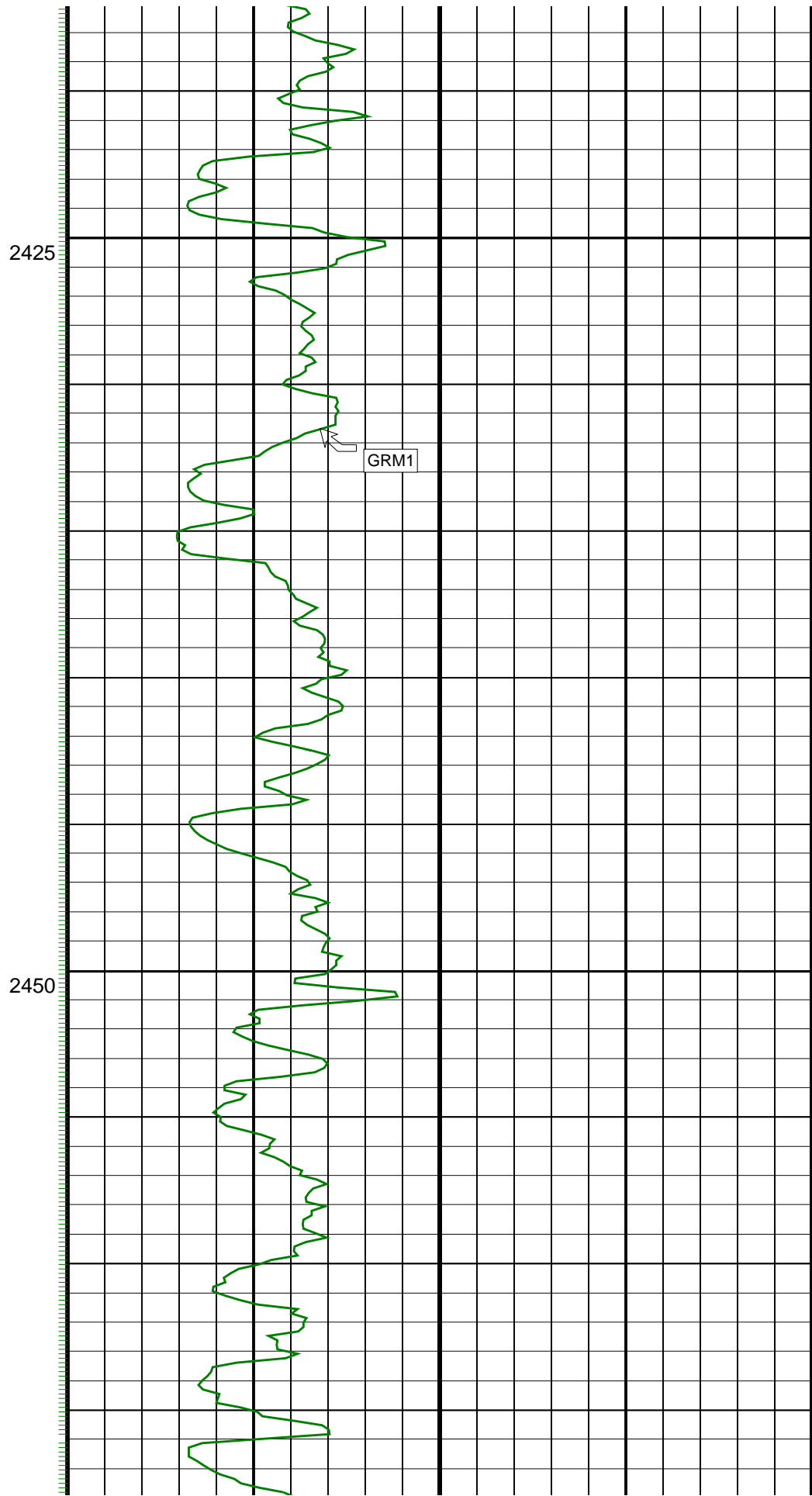
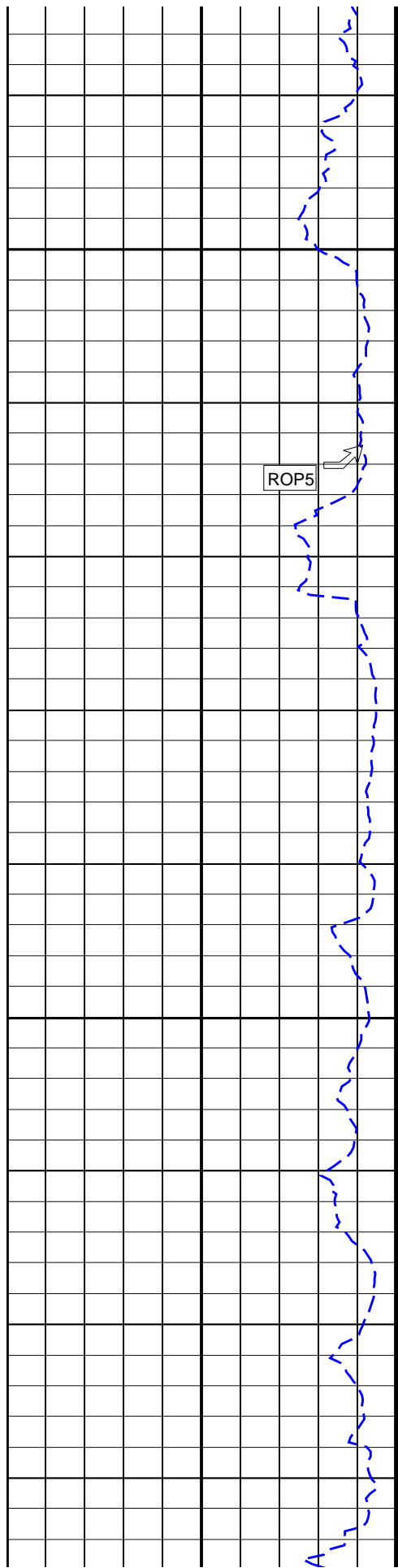


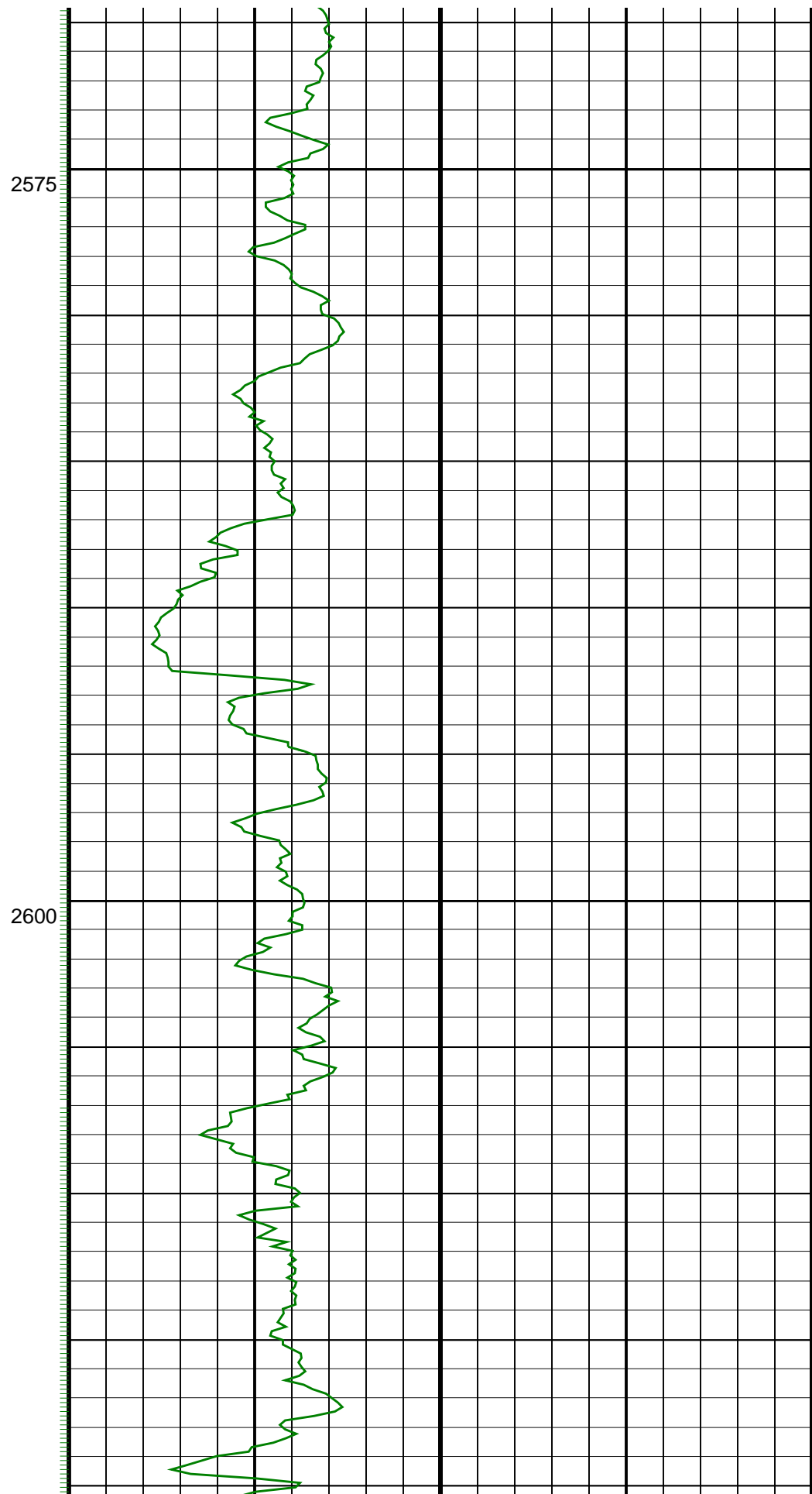
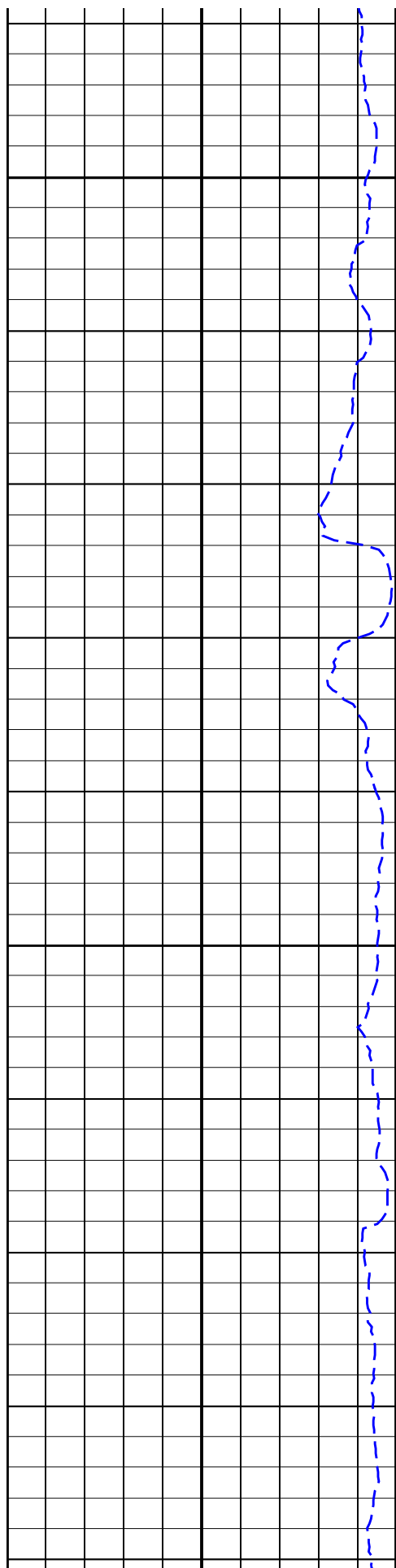


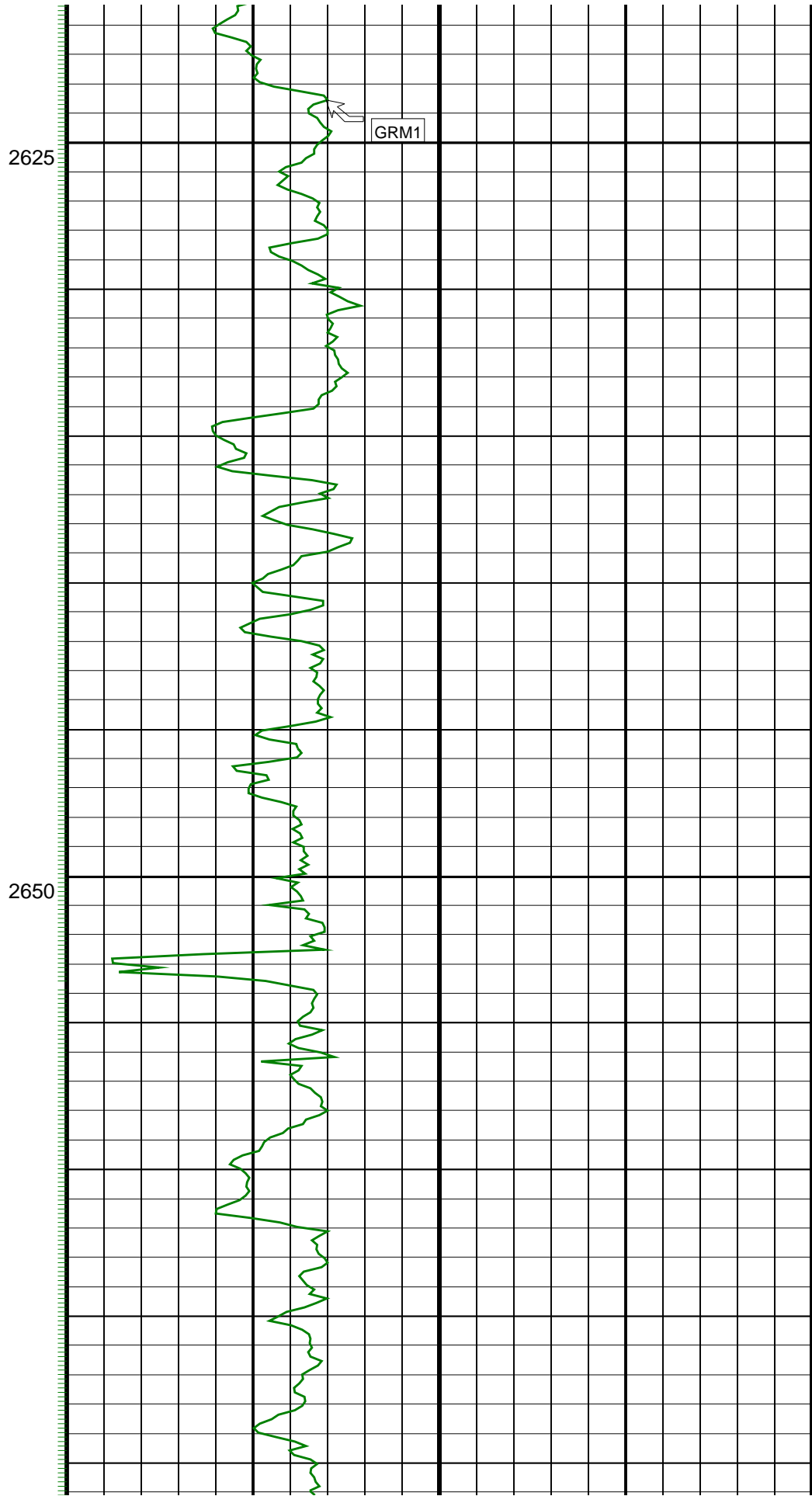
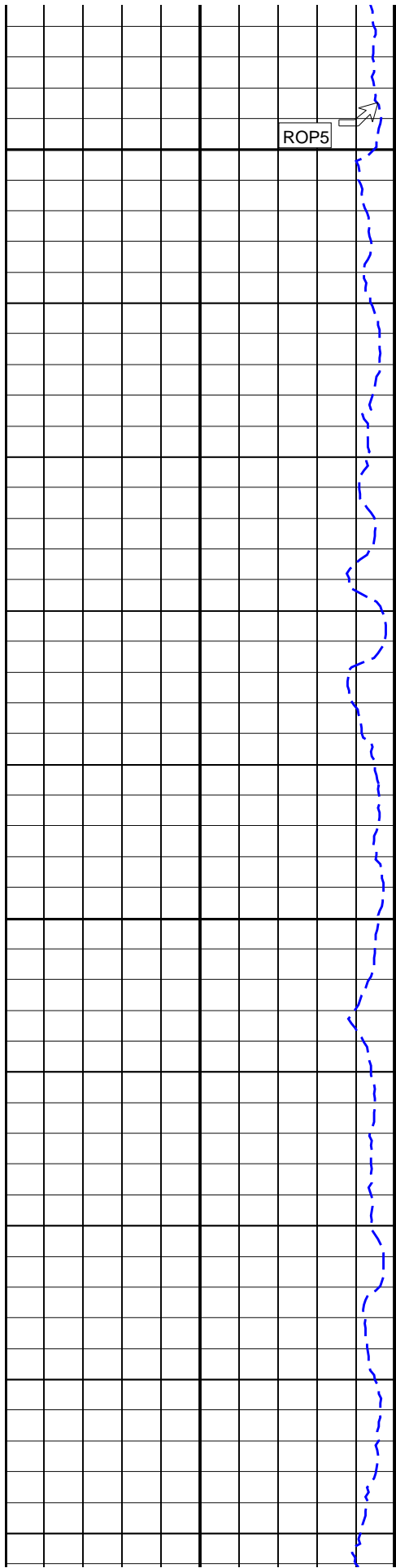
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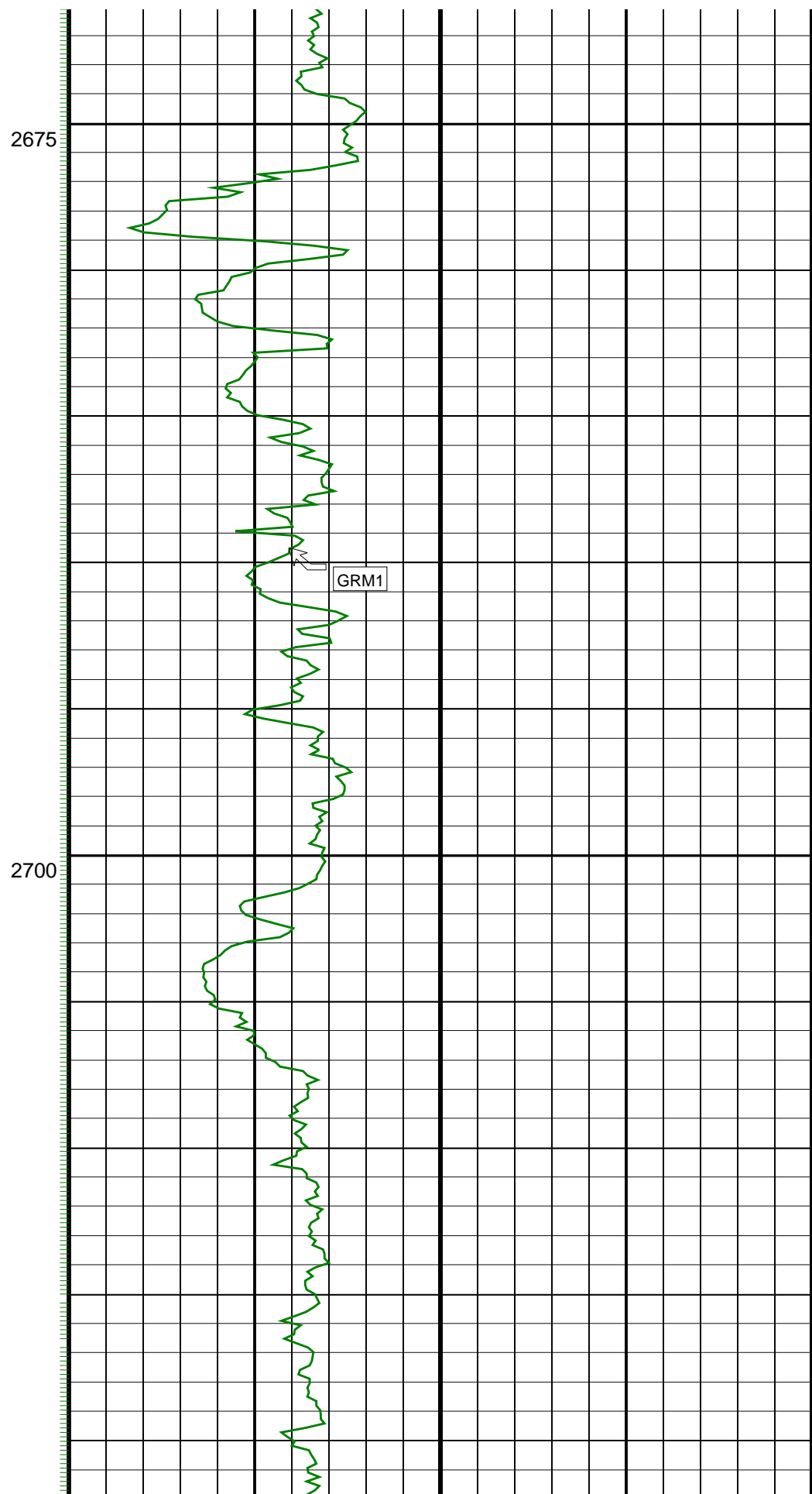
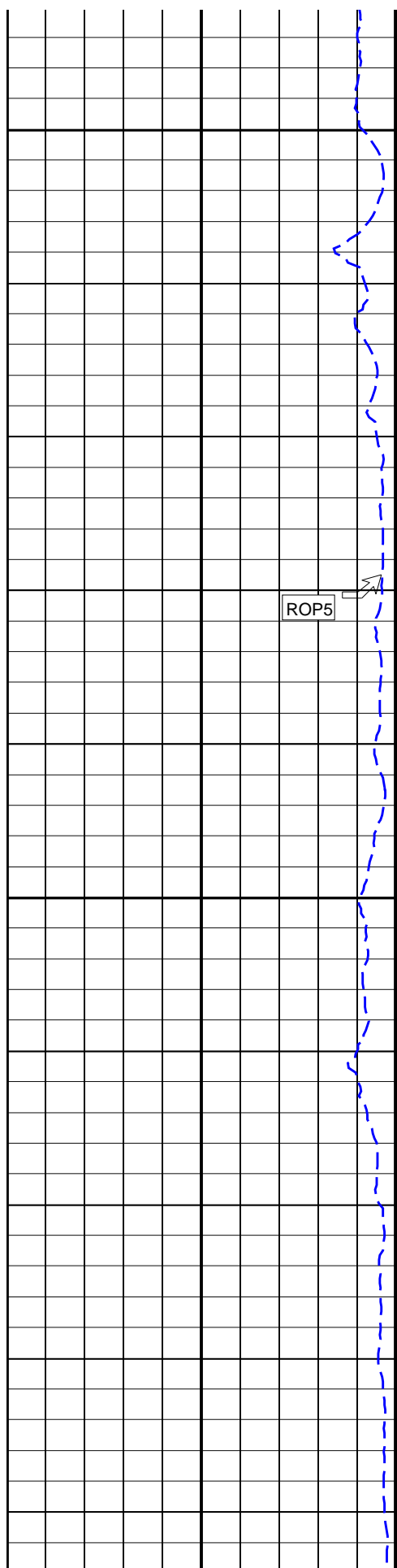
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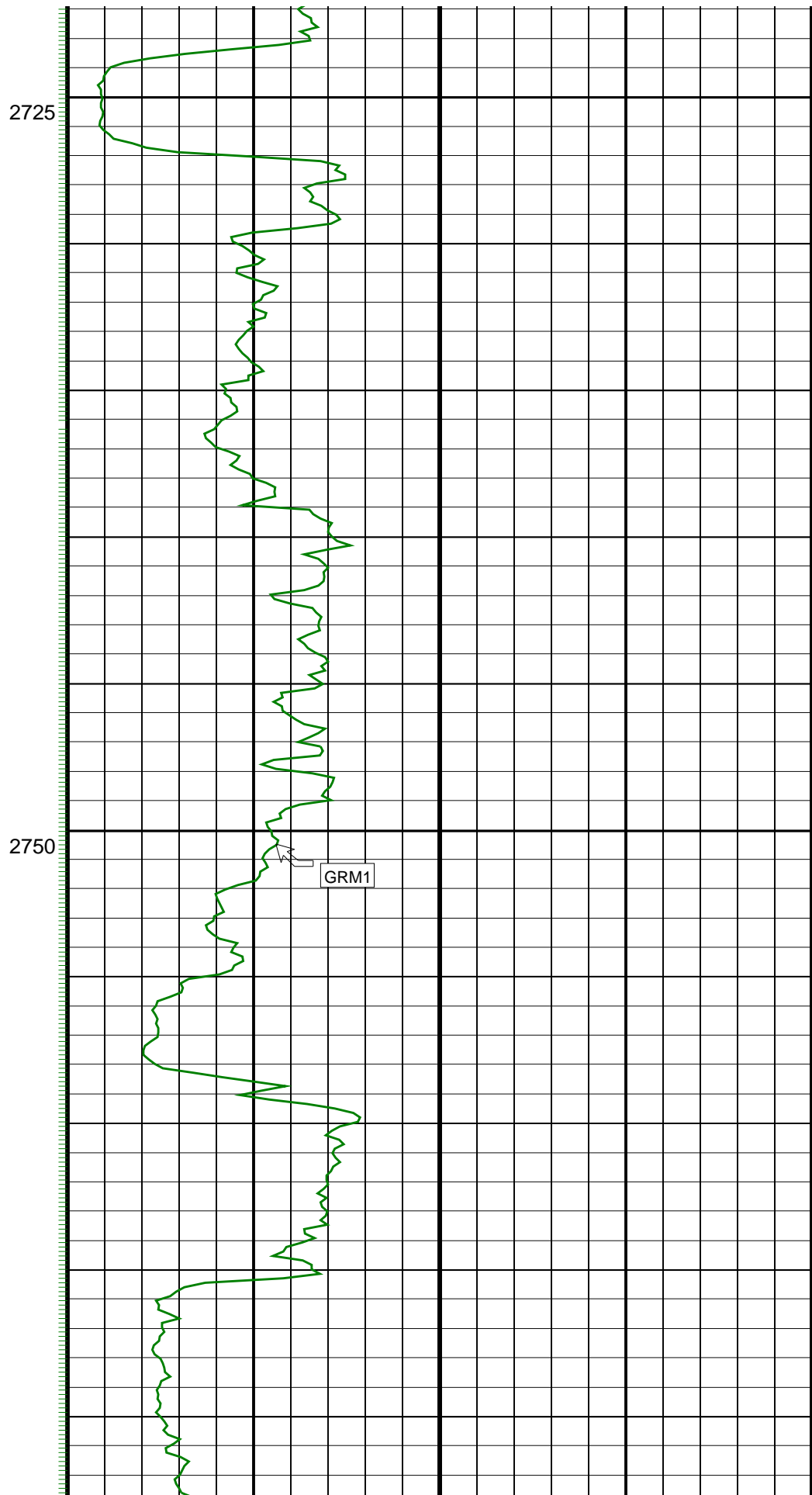
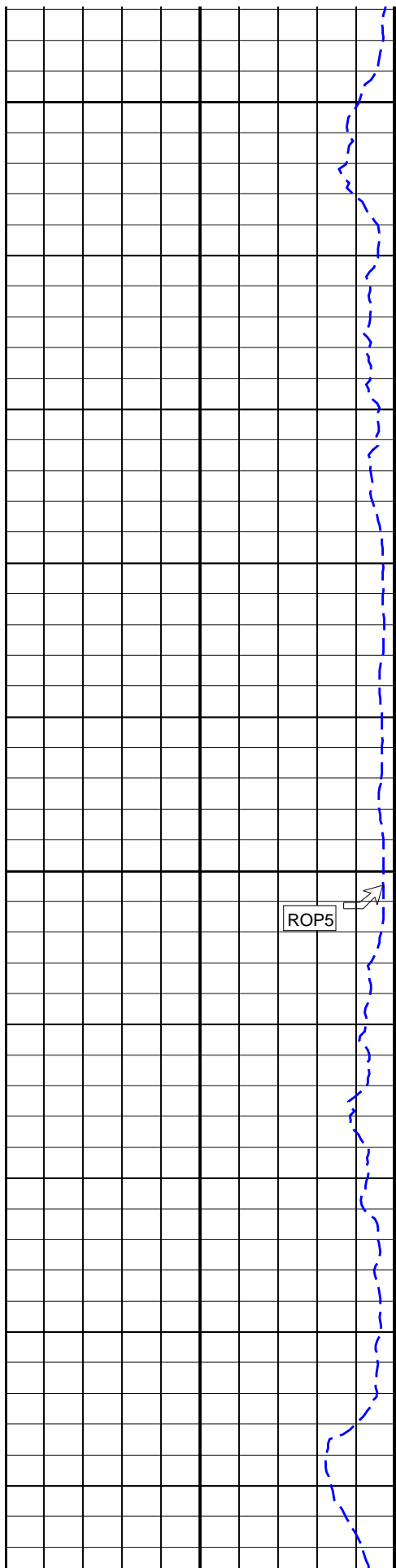


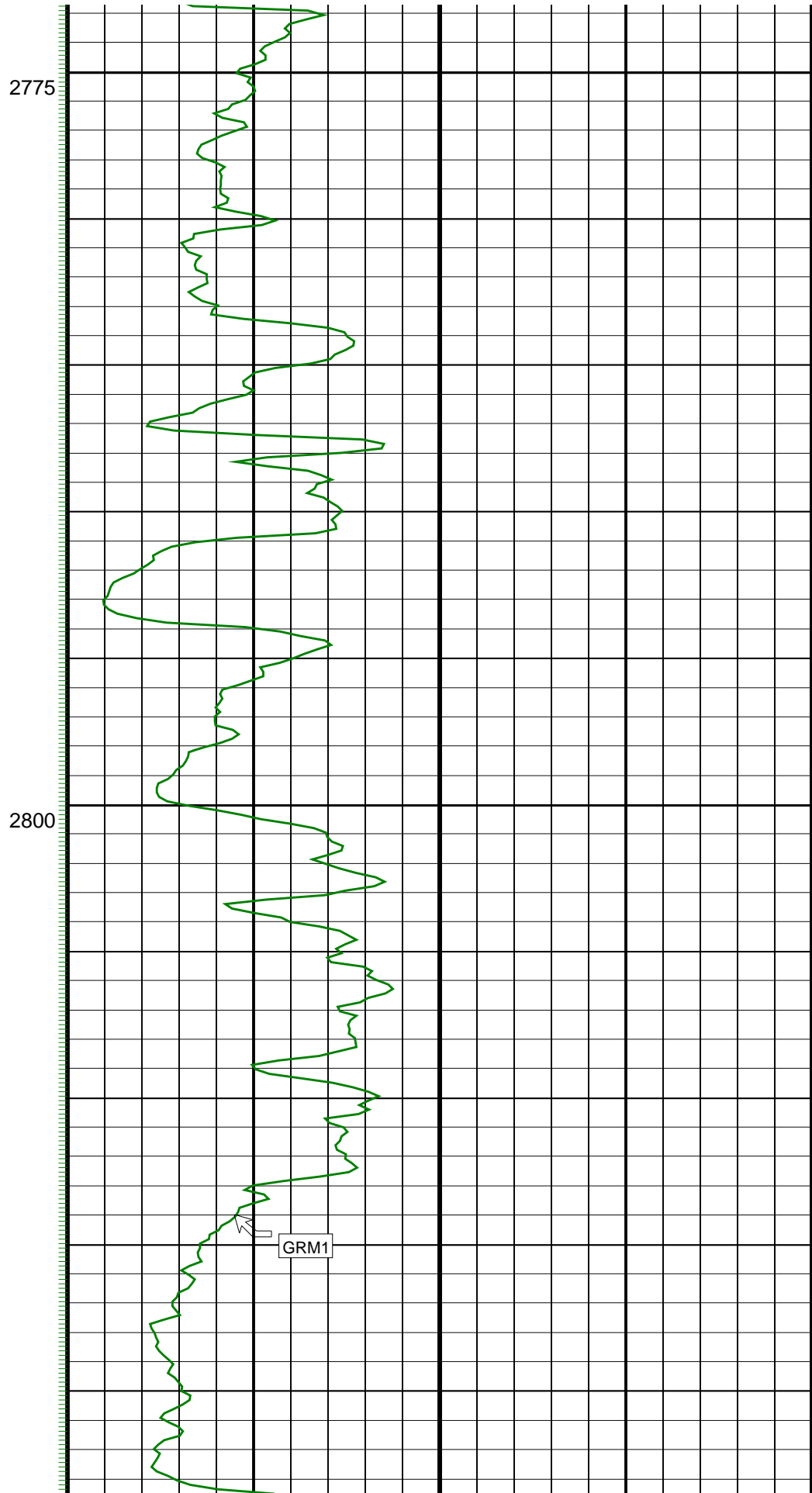
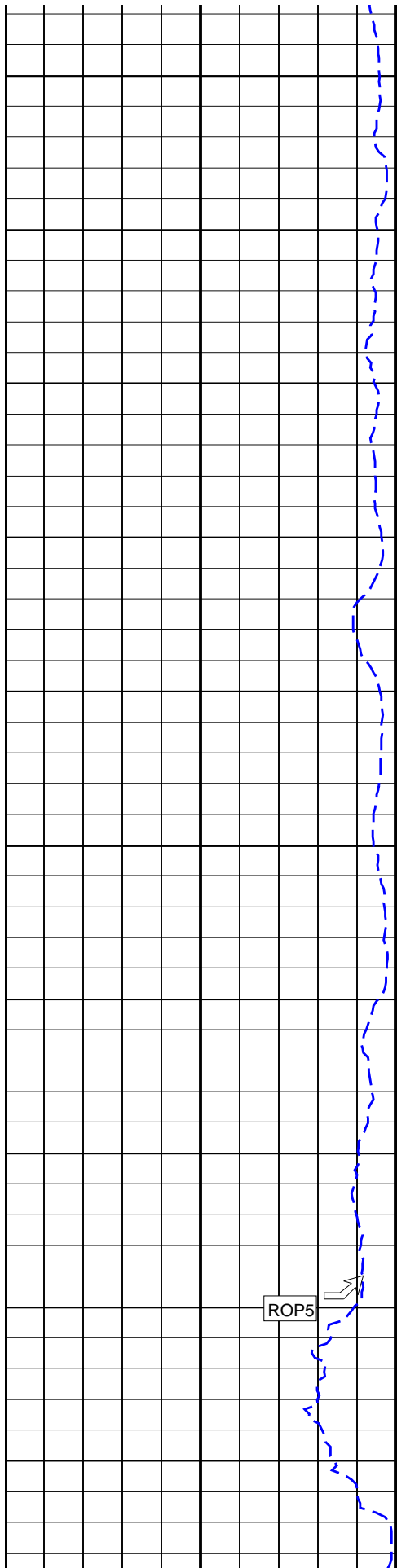


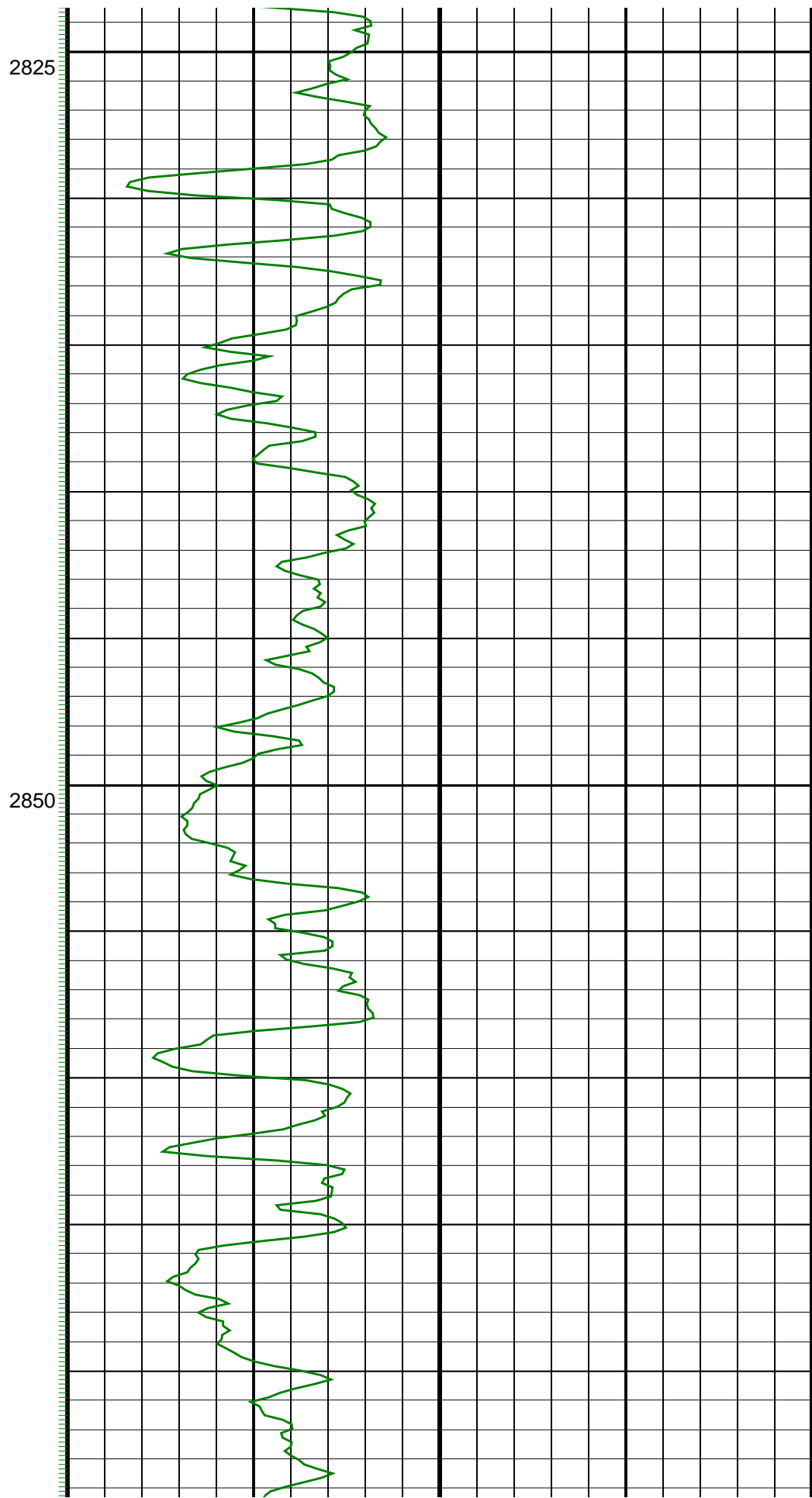
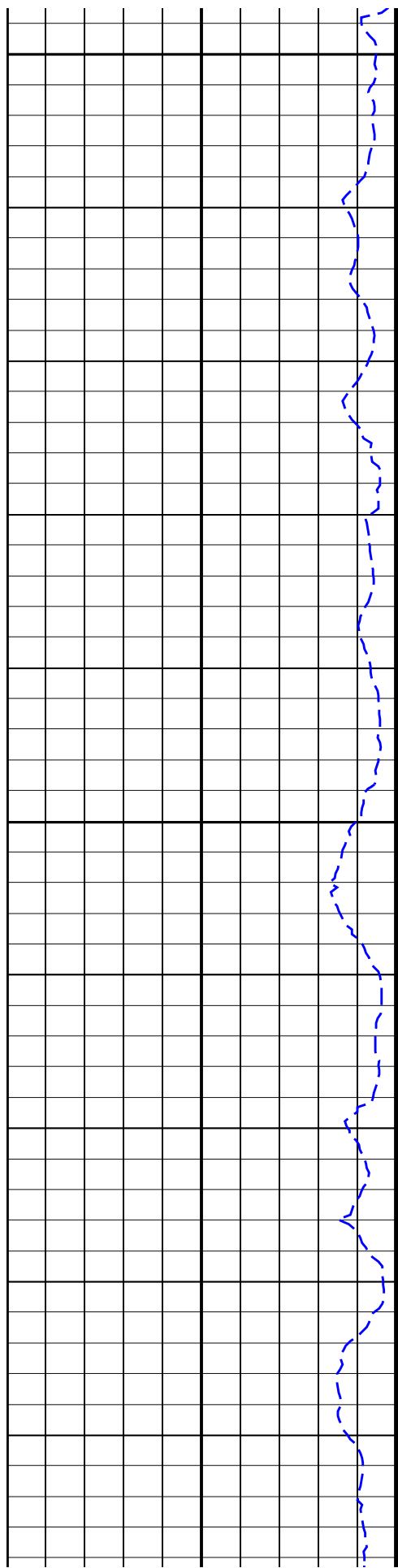


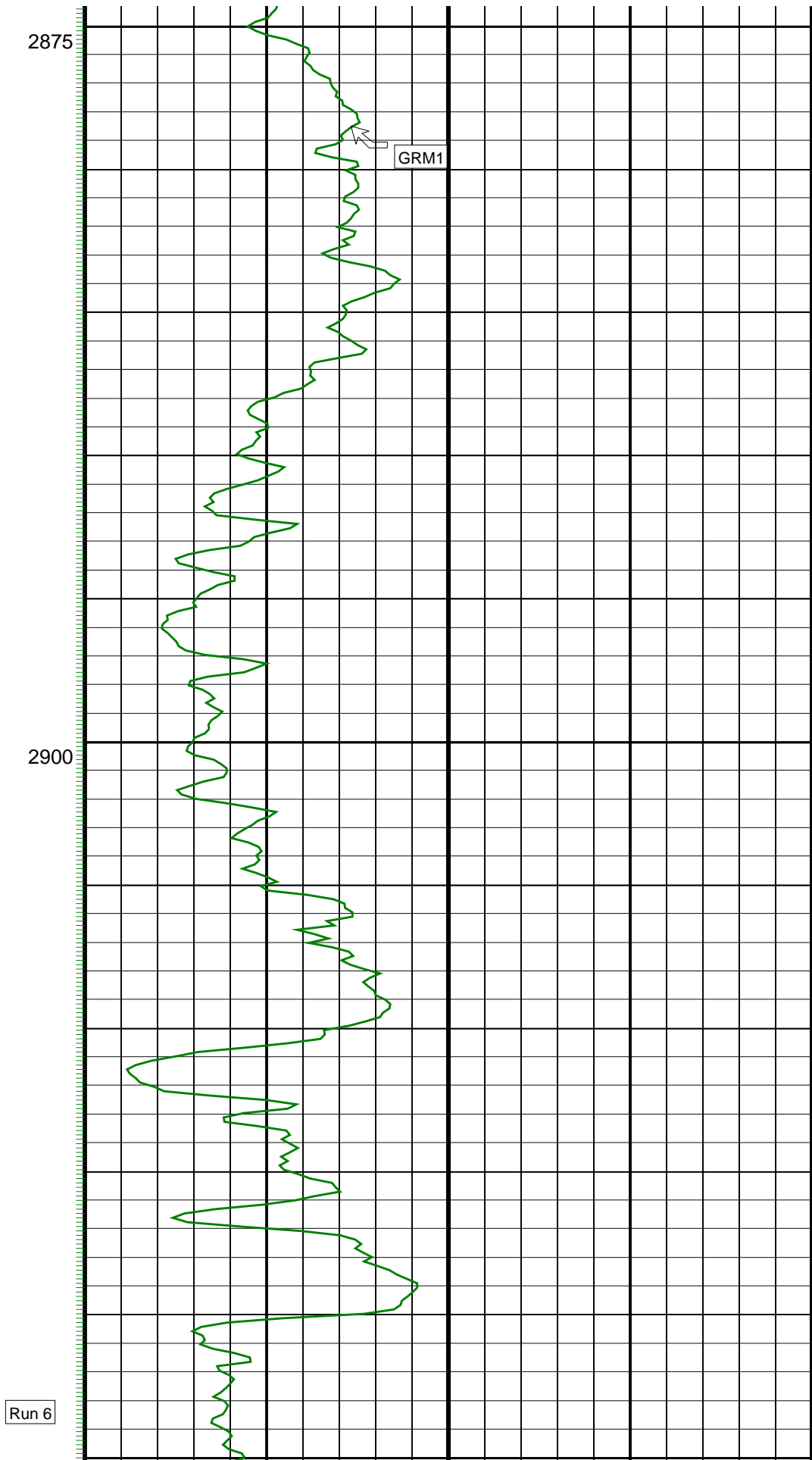
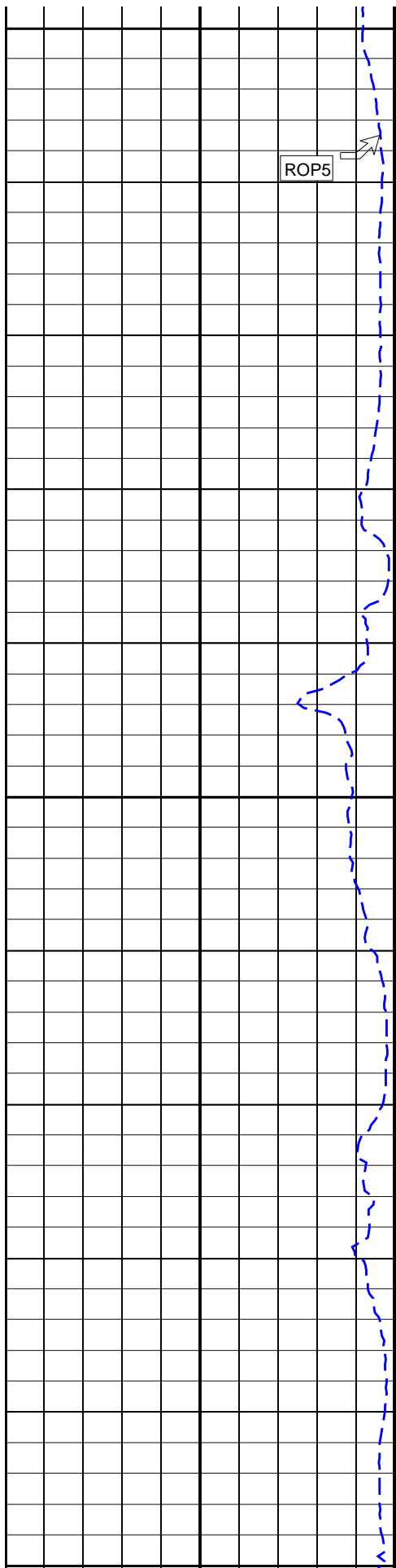


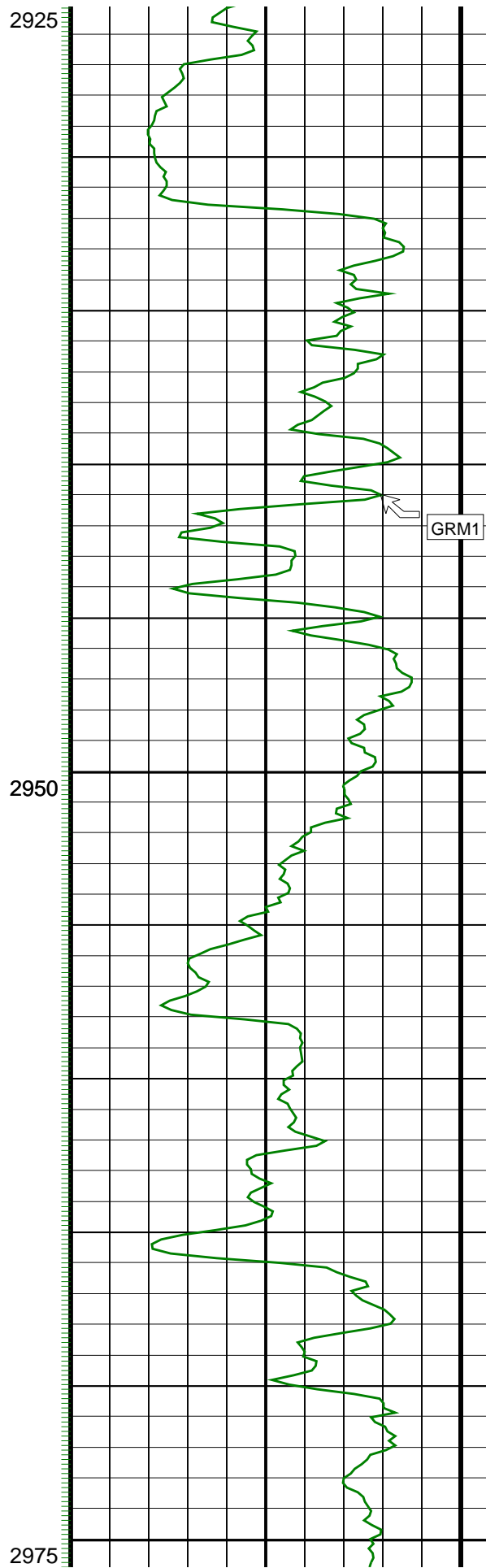
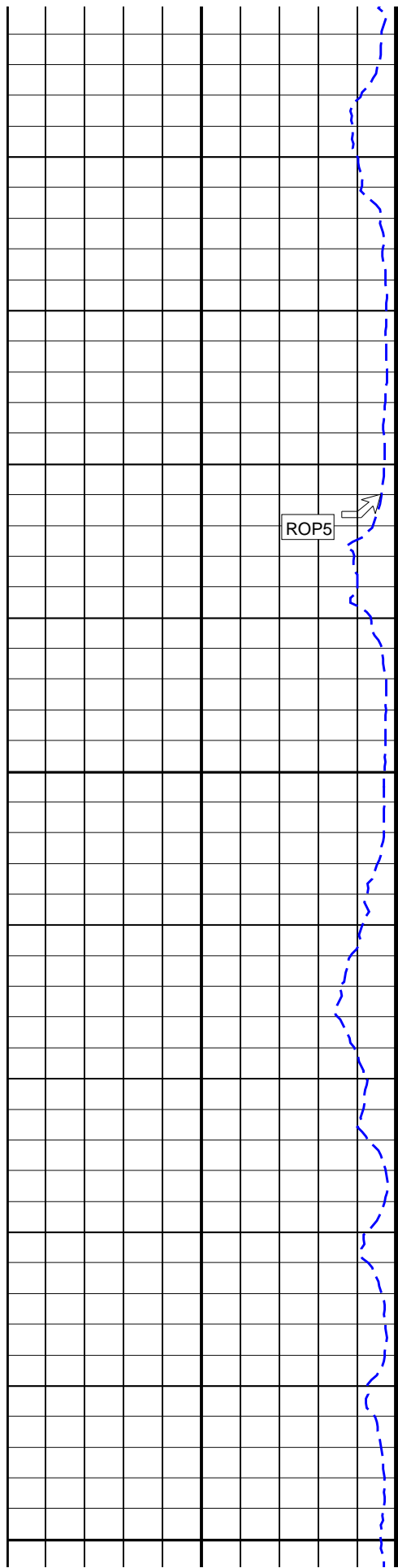


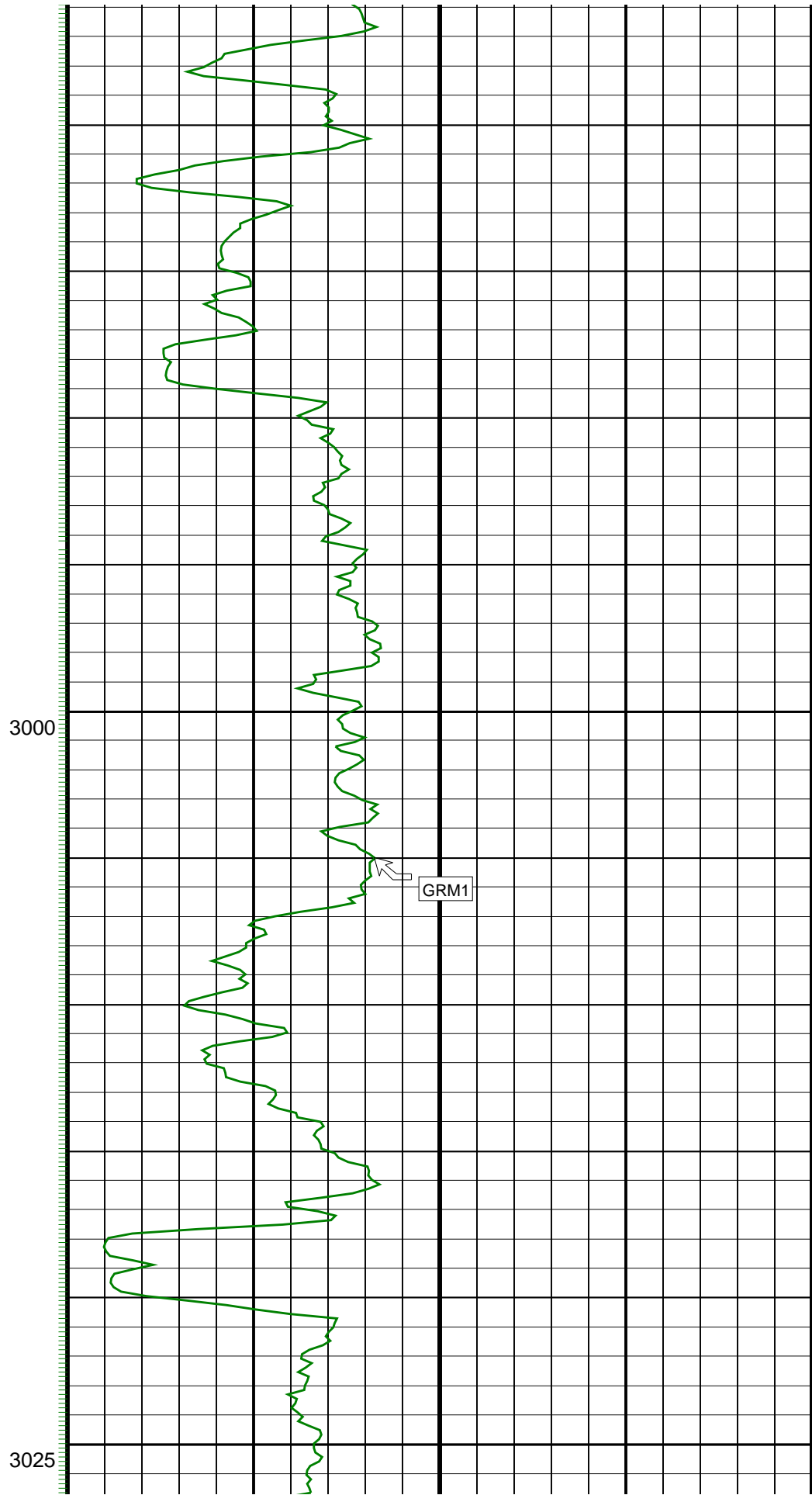
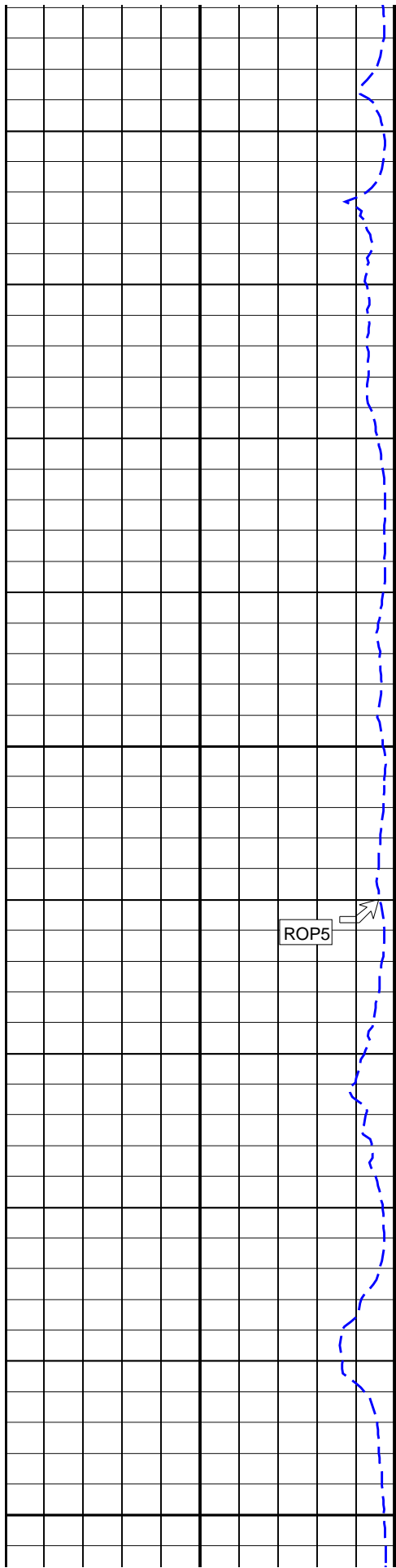


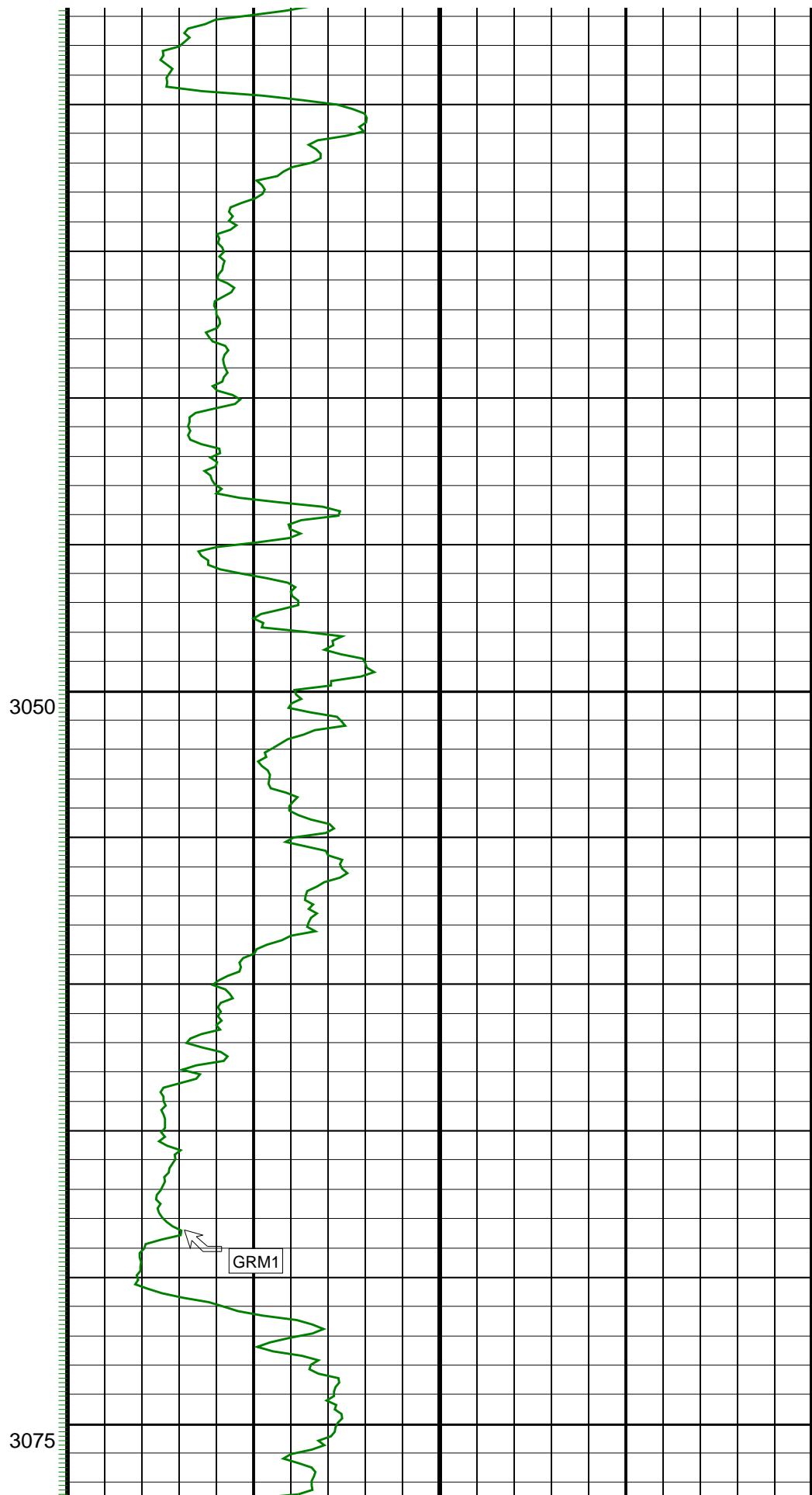
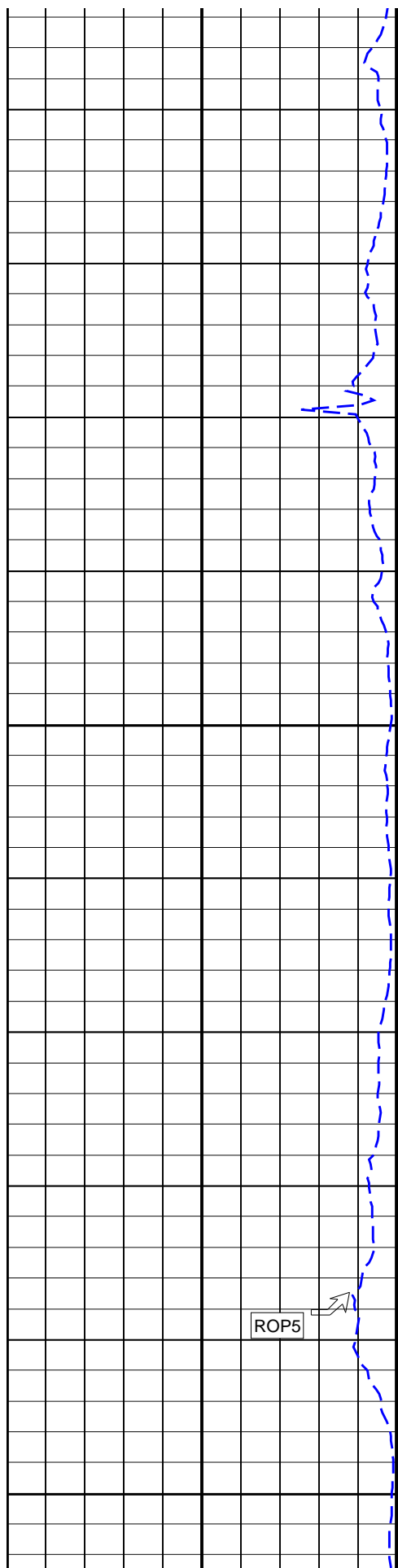


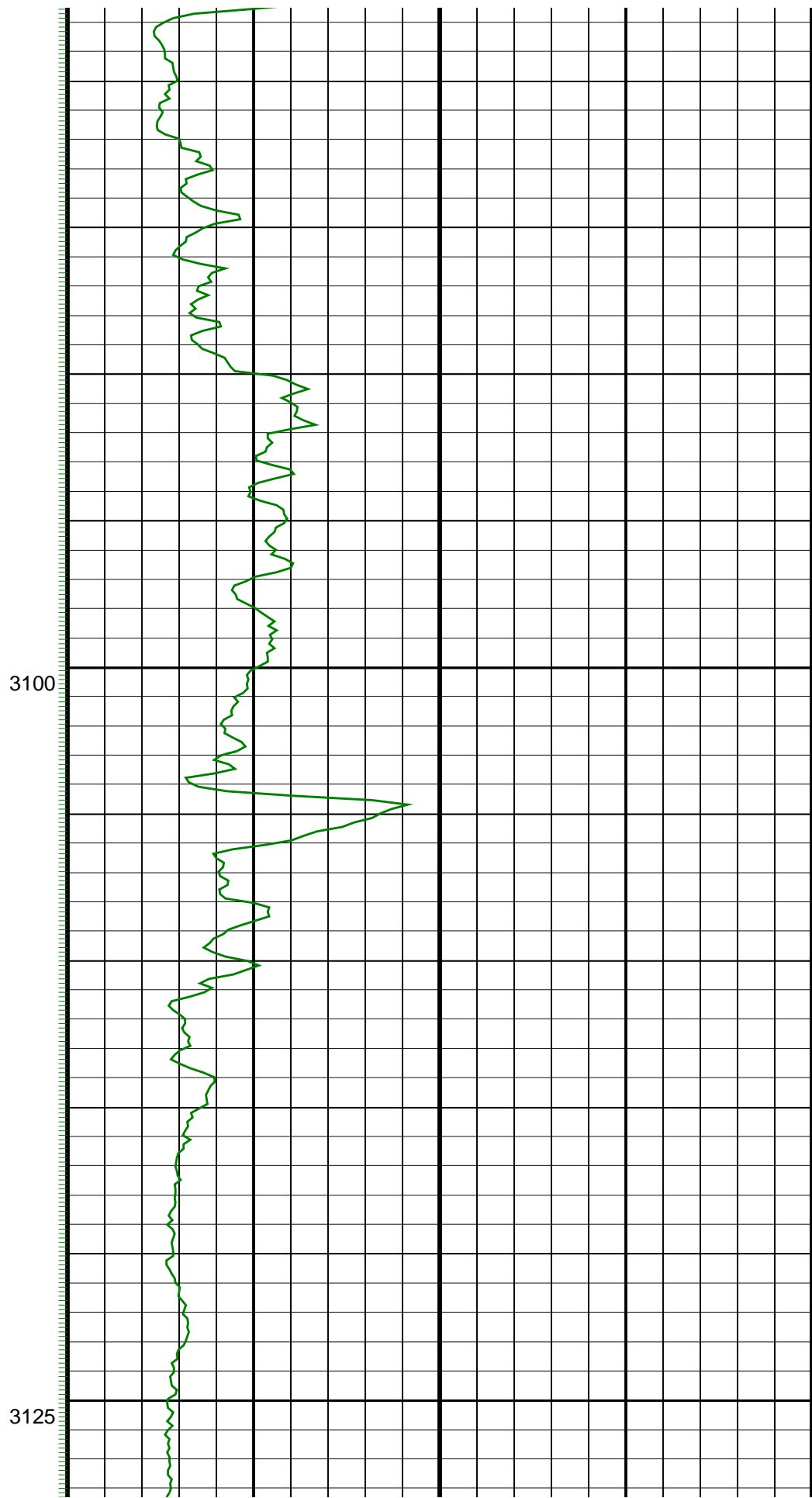
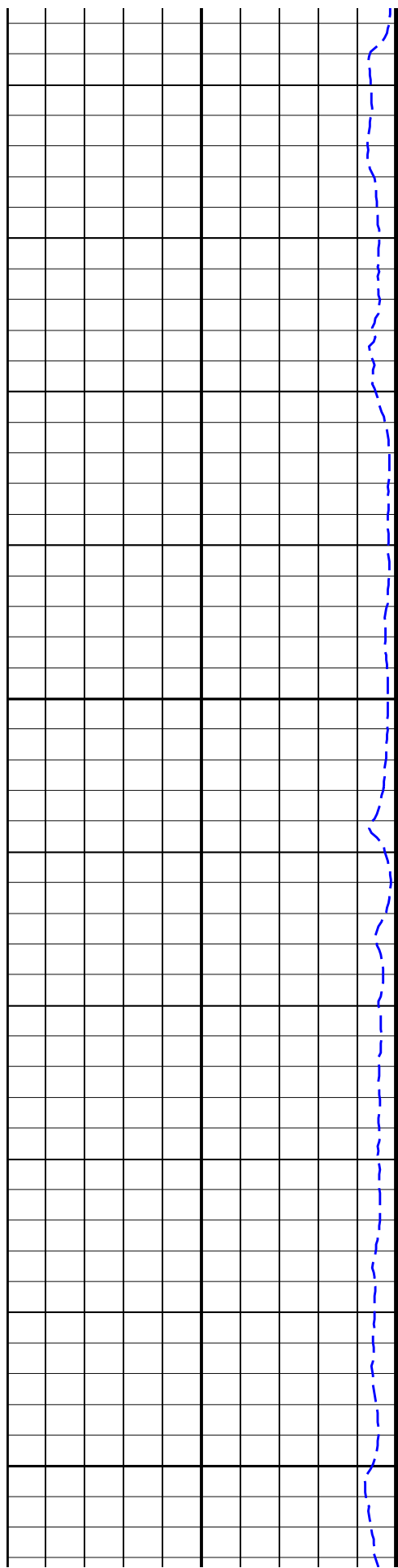


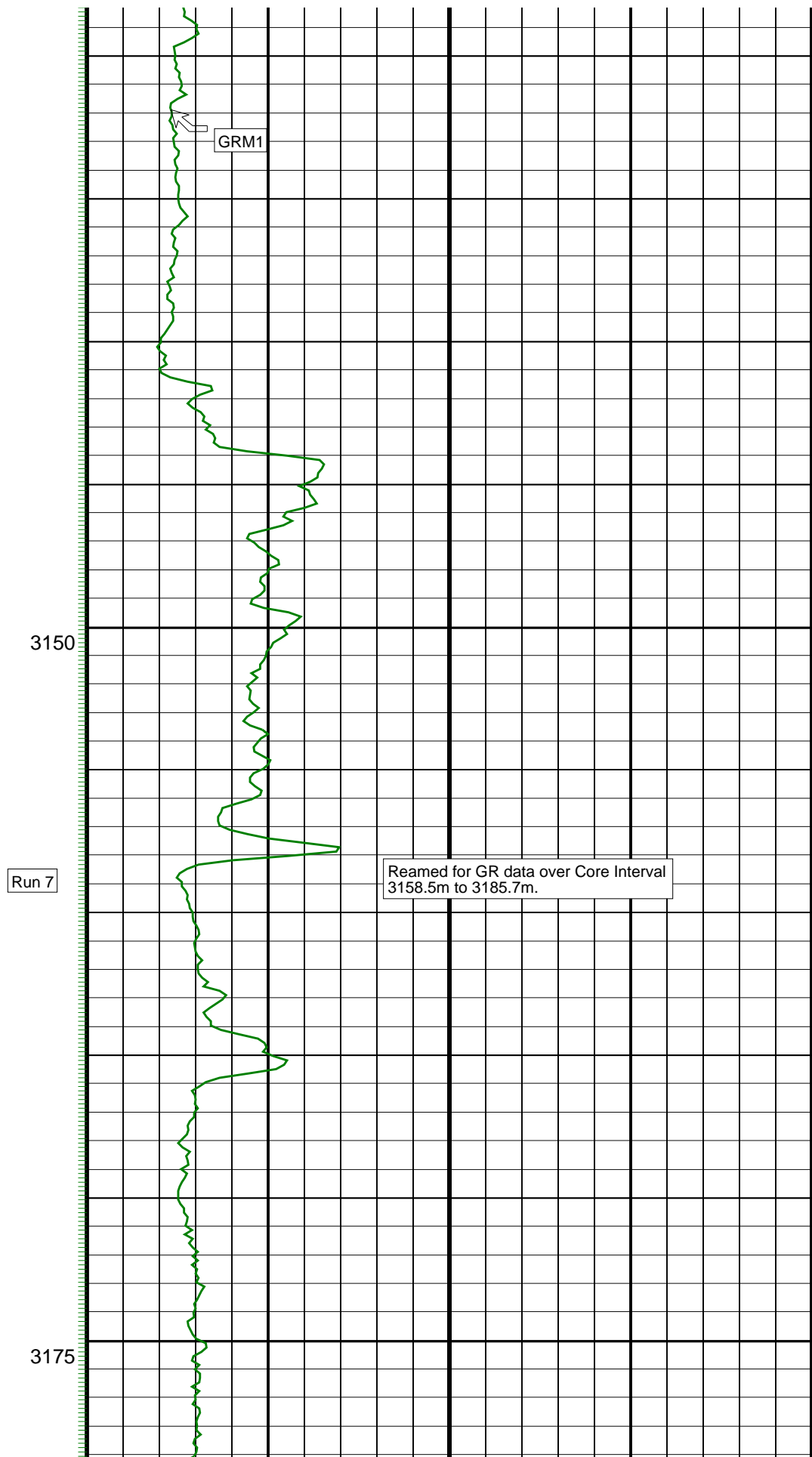
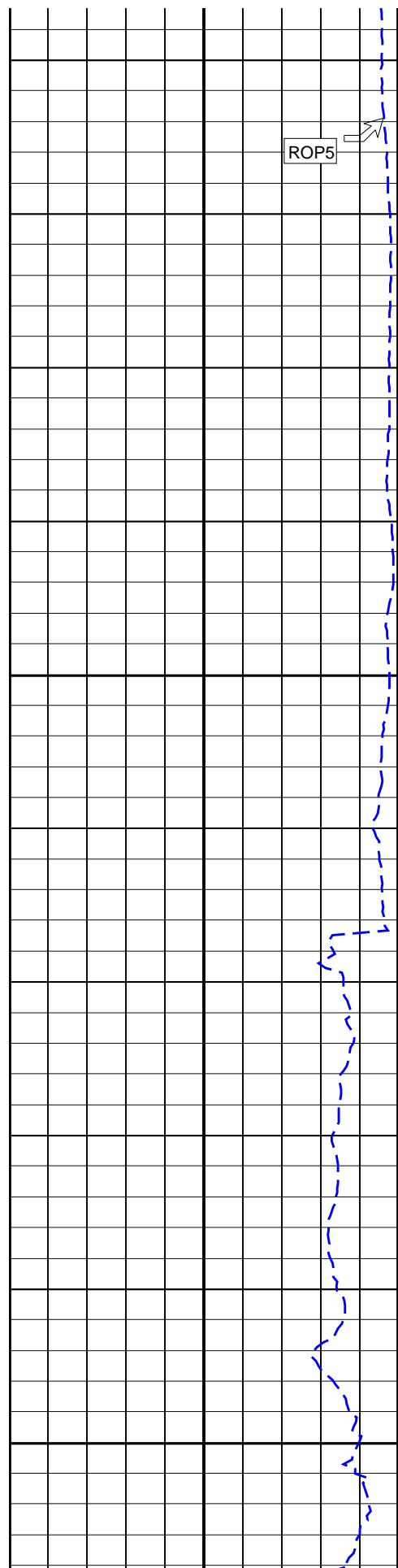


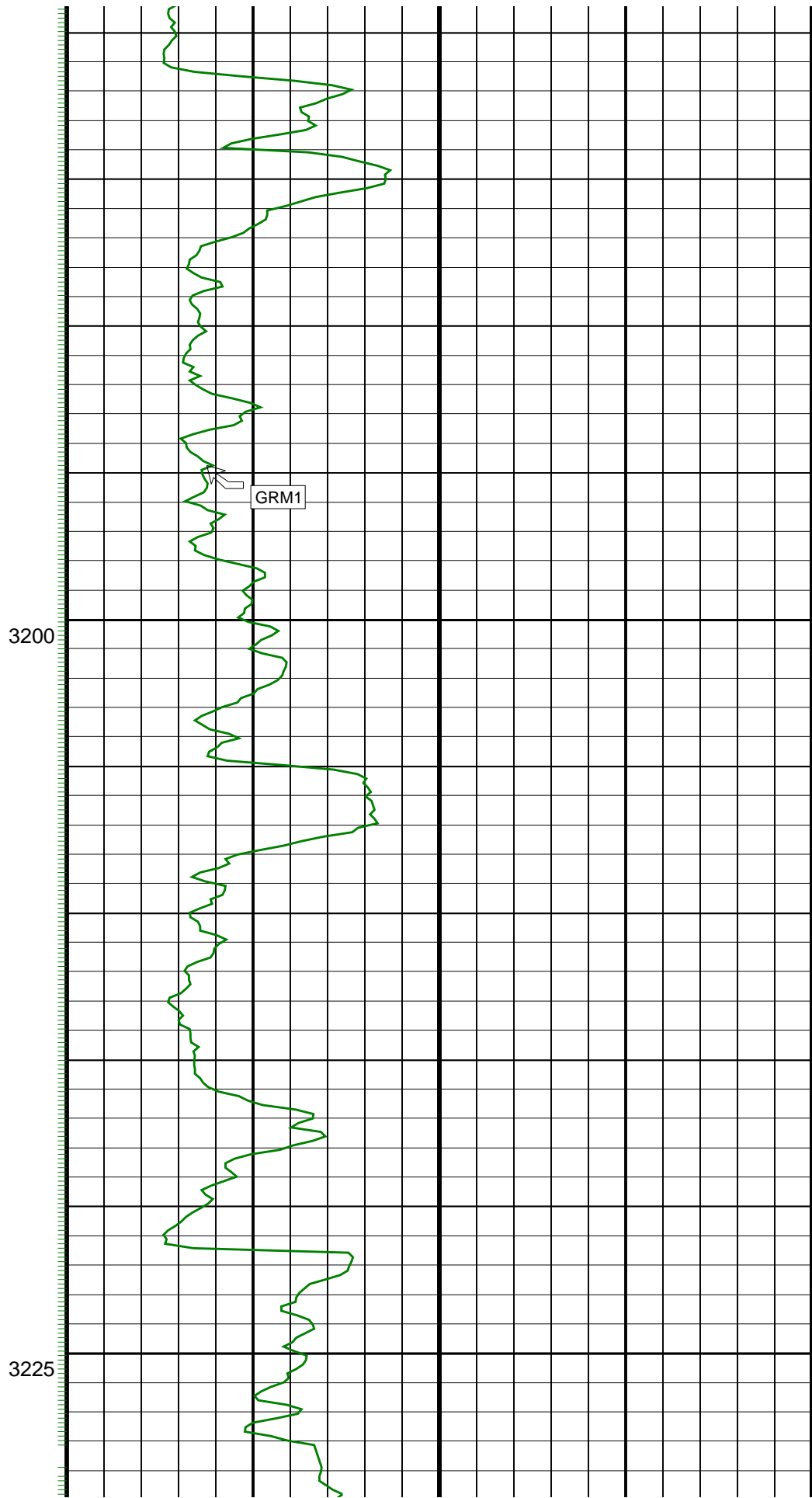
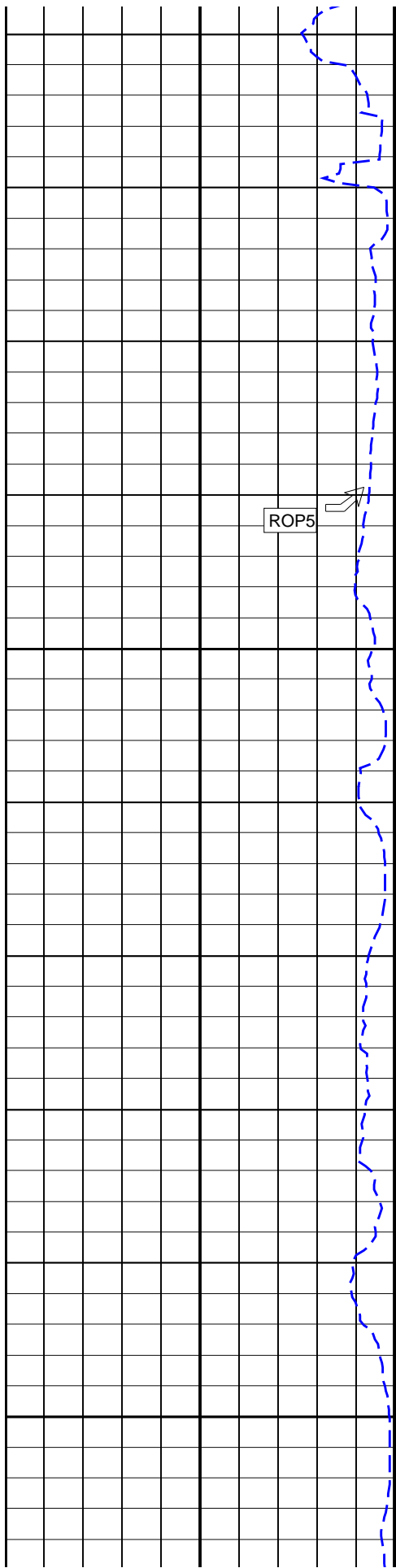


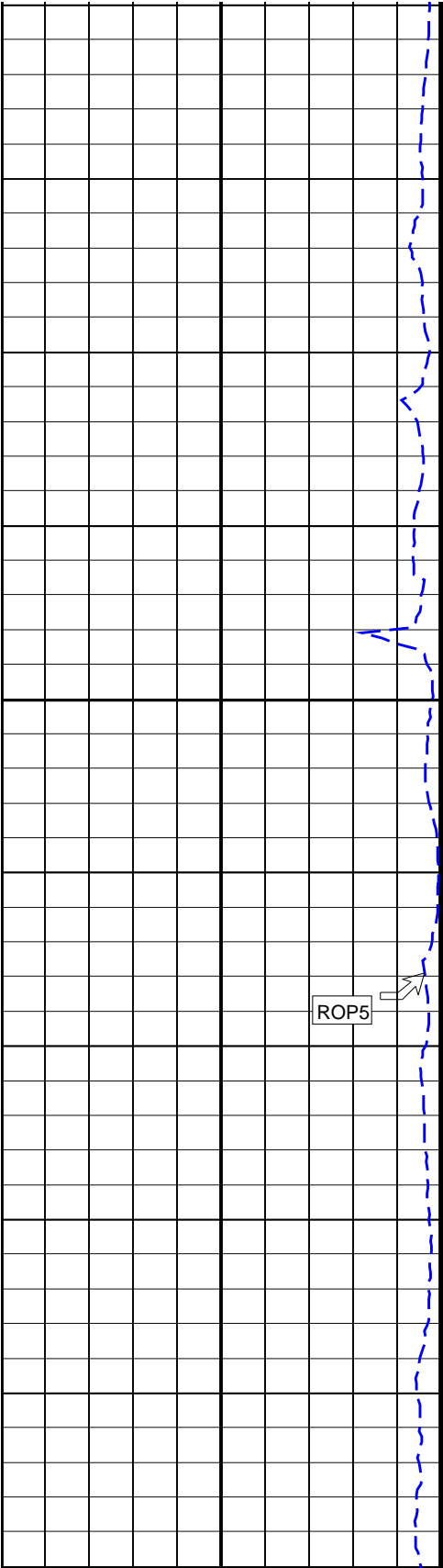








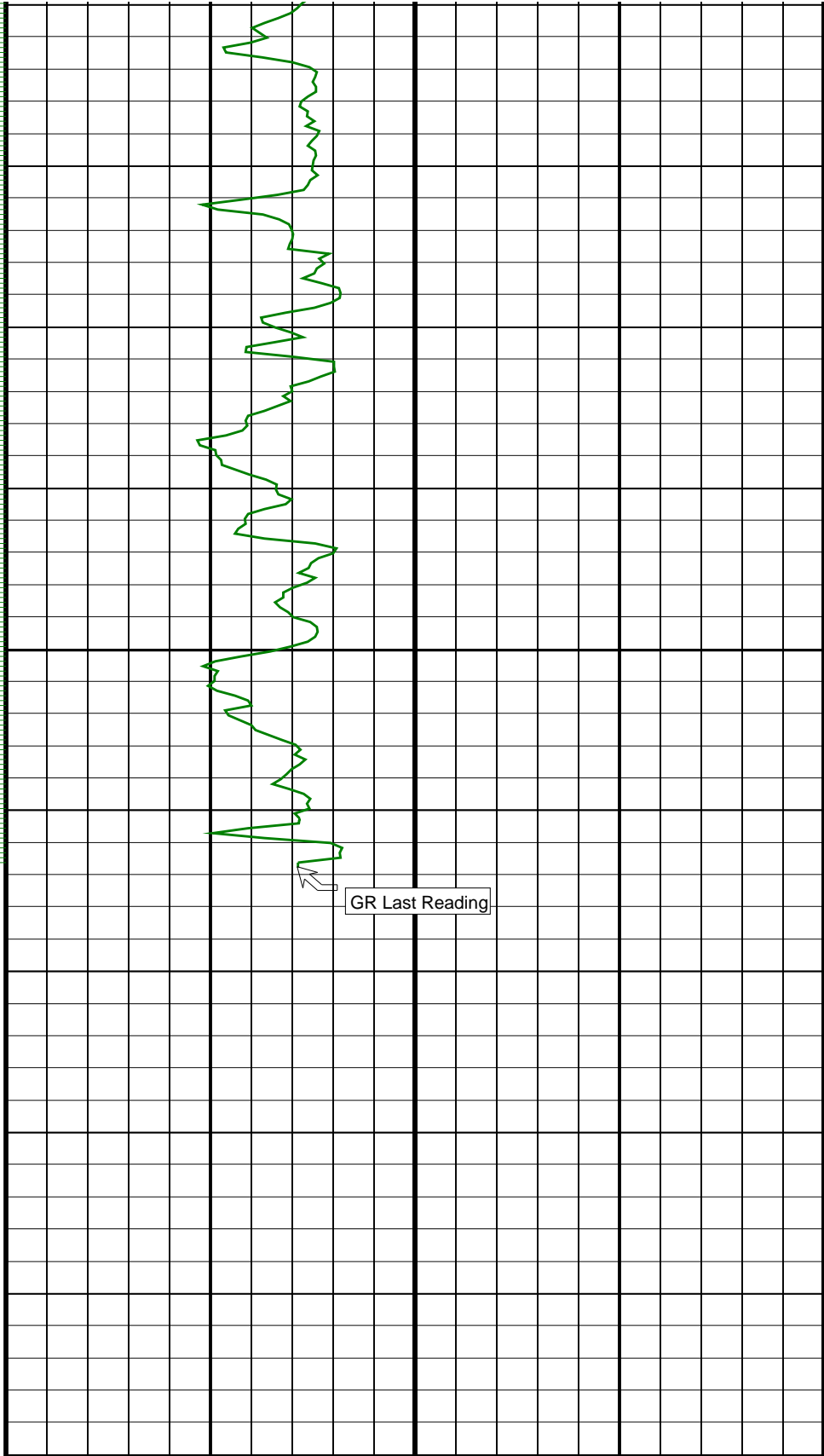




ROP*5 (ROP5)
(M/HR)

200 0

3250



GR Last Reading

GR(TM) (GRM1)
(GAPI)

0 400

PIP SUMMARY

GR(TM) PIP

SCHLUMBERGER

Survey report 6-May-2004 05:21:03 Page 1 of 5

Client.....: ESSO Australia Pty. Ltd.
Field.....: TurrumWell.....: MLA A24A Spud date.....: 8-April-2004
API number.....: Last survey date.....: 05-May-04
Engineer.....: James Dolan Total accepted surveys...: 99
MD of first survey.....: 655.00 m
Rig.....: ISDL 453 MD of last survey.....: 3275.00 m
STATE.....: Victoria

----- Survey calculation methods -----

Method for positions.....: Minimum curvature Magnetic model.....: BGGM version 2003
Method for DLS.....: Mason & Taylor Magnetic date.....: 12-Apr-2004
Magnetic field strength...: 1199.81 HCNT

----- Depth reference -----

Permanent datum.....: Mean Sea Level Magnetic dec (+E/W-).....: 13.13 degrees
Depth reference.....: Driller's depth Magnetic dip.....: -68.73 degrees
GL above permanent.....: -59.00 m
KB above permanent.....: 27.91 m
DF above permanent.....: 27.91 m

----- MWD survey Reference Criteria -----

Reference G.....: 1000.03 mGal
Reference H.....: 1199.81 HCNT
Reference Dip.....: -68.73 degrees

----- Vertical section origin -----

Latitude (+N/S-).....: 0.00 m Tolerance of G.....: (+/-) 2.50 mGal
Departure (+E/W-).....: 0.00 m Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Platform reference point -----

Latitude (+N/S-).....: 5767927.00 m Magnetic dec (+E/W-).....: 13.13 degrees
Departure (+E/W-).....: 606840.63 m Grid convergence (+E/W-).....: -0.76 degrees
Total az corr (+E/W-).....: 13.89 degrees

Azimuth from rotary table to target: 172.07 degrees (Total az corr = magnetic dec - grid conv)

Survey Correction Type ...:

- I=Sag Corrected Inclination
- M=Schlumberger Magnetic Correction
- S=Shell Magnetic Correction
- F=Failed Axis Correction
- R=Magnetic Resonance Tool Correction
- D=Dmag Magnetic Correction

[(c)2004 IDEAL ID8_1C_01]
SCHLUMBERGER Survey Report

6-May-2004 05:21:03 Page 2 of 5

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 (deg)	DLS (deg)	Srvy tool	Tool Corr
1	655.00	33.20	210.13	0.00	633.73	96.52	-100.74	-23.64	103.48	193.21	0.00	TIP	None
2	660.00	32.99	210.13	5.00	637.92	98.66	-103.10	-25.01	106.09	193.64	1.28	GYR	None
3	665.00	33.29	210.01	5.00	642.11	100.82	-105.47	-26.38	108.72	194.04	1.87	GYR	None
4	670.00	33.73	209.91	5.00	646.27	103.00	-107.86	-27.76	111.37	194.43	2.70	GYR	None
5	675.00	34.09	209.86	5.00	650.42	105.20	-110.28	-29.15	114.06	194.81	2.20	GYR	None
6	680.00	34.69	210.12	5.00	654.55	107.43	-112.72	-30.56	116.79	195.17	3.77	GYR	None
7	685.00	35.40	210.66	5.00	658.64	109.68	-115.20	-32.01	119.56	195.53	4.72	GYR	None
8	689.10	35.51	210.76	4.10	661.98	111.54	-117.24	-33.23	121.86	195.82	0.92	GYR	None
9	717.50	34.70	205.96	28.40	685.22	124.69	-131.60	-40.99	137.84	197.30	3.09	GYR	None
10	752.43	33.40	195.32	34.93	714.19	141.79	-149.83	-47.88	157.30	197.72	5.32	MWD	None
11	780.54	33.91	186.00	28.11	737.60	156.52	-165.10	-50.75	172.73	197.09	5.62	MWD	None
12	810.03	35.97	177.85	29.49	761.79	173.13	-181.95	-51.29	189.04	195.74	5.27	MWD	None
13	838.48	36.64	170.20	28.45	784.73	189.94	-198.67	-49.53	204.75	194.00	4.90	MWD	None
14	866.83	37.47	166.76	28.35	807.36	206.98	-215.41	-46.11	220.29	192.08	2.40	MWD	None
15	895.45	37.83	165.95	28.62	830.02	224.38	-232.39	-41.99	236.16	190.24	0.65	MWD	None
16	924.14	38.25	166.46	28.69	852.61	241.96	-249.56	-37.77	252.40	188.61	0.56	MWD	None
17	952.81	39.64	166.66	28.67	874.91	259.90	-267.09	-33.58	269.19	187.17	1.48	MWD	None
18	981.60	38.22	166.49	28.79	897.30	277.91	-284.69	-29.38	286.20	185.89	1.51	MWD	None
19	1010.23	38.58	167.73	28.63	919.74	295.63	-302.02	-25.42	303.09	184.81	0.91	MWD	None
20	1039.20	38.55	167.51	28.97	942.39	313.63	-319.66	-21.55	320.39	183.86	0.15	MWD	None
21	1067.89	39.01	167.54	28.69	964.76	331.54	-337.21	-17.66	337.67	183.00	0.49	MWD	None
22	1096.72	39.89	167.06	28.83	987.02	349.80	-355.08	-13.64	355.34	182.20	0.98	MWD	None
23	1125.44	40.57	166.90	28.72	1008.95	368.27	-373.15	-9.46	373.27	181.45	0.73	MWD	None
24	1154.05	39.92	166.98	28.61	1030.78	386.68	-391.15	-5.28	391.19	180.77	0.69	MWD	None
25	1183.04	39.68	166.86	28.99	1053.06	405.17	-409.23	-1.08	409.23	180.15	0.26	MWD	None
26	1211.66	38.68	166.97	28.62	1075.24	423.17	-426.84	3.01	426.85	179.60	1.07	MWD	None
27	1240.27	38.47	166.82	28.61	1097.61	440.94	-444.21	7.06	444.27	179.09	0.24	MWD	None

28	1269.13	37.72	166.70	28.86	1120.32	458.67	-461.55	11.14	461.68	178.62	0.80	MWD	None
29	1297.80	38.60	167.43	28.67	1142.86	476.32	-478.81	15.10	479.05	178.19	1.05	MWD	None
30	1326.36	37.70	167.36	28.56	1165.32	493.90	-496.03	18.95	496.39	177.81	0.96	MWD	None

[(c)2004 IDEAL ID8_1C_01]
SCHLUMBERGER Survey Report

6-May-2004 05:21:03

Page 3 of 5

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 100f	DLS (deg/100f)	Srvy Tool type	Corr
31	1355.04	38.68	167.70	28.68	1187.86	511.58	-513.34	22.78	513.85	177.46	1.07	MWD	None
32	1384.27	37.81	167.57	29.23	1210.82	529.61	-531.02	26.65	531.68	177.13	0.91	MWD	None
33	1412.38	37.40	167.34	28.11	1233.09	546.71	-547.76	30.38	548.60	176.83	0.47	MWD	None
34	1441.17	37.84	168.07	28.79	1255.89	564.24	-564.93	34.12	565.96	176.54	0.66	MWD	None
35	1469.79	38.56	168.51	28.62	1278.39	581.90	-582.26	37.71	583.48	176.29	0.82	MWD	None
36	1498.39	37.87	168.37	28.60	1300.86	599.55	-599.59	41.26	601.01	176.06	0.74	MWD	None
37	1527.11	38.56	168.93	28.72	1323.42	617.29	-617.01	44.75	618.63	175.85	0.82	MWD	None
38	1556.02	37.65	169.12	28.91	1346.17	635.10	-634.53	48.15	636.35	175.66	0.97	MWD	None
39	1584.67	36.76	168.55	28.65	1368.99	652.40	-651.52	51.50	653.56	175.48	1.02	MWD	None
40	1613.25	38.50	168.86	28.58	1391.62	669.82	-668.63	54.92	670.89	175.30	1.87	MWD	None
41	1642.10	37.91	168.79	28.85	1414.29	687.63	-686.14	58.38	688.62	175.14	0.63	MWD	None
42	1671.05	37.92	169.06	28.95	1437.13	705.39	-703.60	61.79	706.31	174.98	0.17	MWD	None
43	1699.71	38.03	168.86	28.66	1459.72	723.00	-720.91	65.17	723.85	174.83	0.18	MWD	None
44	1727.96	37.84	169.05	28.25	1482.01	740.34	-737.95	68.50	741.12	174.70	0.24	MWD	None
45	1756.81	38.27	169.04	28.85	1504.72	758.10	-755.41	71.88	758.82	174.56	0.45	MWD	None
46	1785.62	38.00	168.66	28.81	1527.38	775.87	-772.87	75.32	776.53	174.43	0.38	MWD	None
47	1814.15	37.10	168.75	28.53	1550.00	793.22	-789.92	78.72	793.83	174.31	0.96	MWD	None
48	1842.95	38.27	167.89	28.80	1572.79	810.79	-807.16	82.29	811.34	174.18	1.36	MWD	None
49	1871.75	38.45	168.39	28.80	1595.38	828.62	-824.65	85.96	829.12	174.05	0.38	MWD	None
50	1900.47	38.71	168.39	28.72	1617.83	846.50	-842.19	89.57	846.94	173.93	0.28	MWD	None
51	1929.33	38.47	168.66	28.86	1640.39	864.46	-859.83	93.15	864.86	173.82	0.31	MWD	None
52	1958.22	37.87	169.39	28.89	1663.10	882.29	-877.36	96.55	882.66	173.72	0.79	MWD	None
53	1986.84	38.12	169.09	28.62	1685.65	899.89	-894.67	99.84	900.22	173.63	0.33	MWD	None
54	2015.48	39.37	167.94	28.64	1707.99	917.78	-912.23	103.41	918.07	173.53	1.54	MWD	None
55	2044.61	38.98	168.11	29.13	1730.57	936.13	-930.23	107.23	936.39	173.42	0.42	MWD	None
56	2071.77	38.59	168.98	27.16	1751.74	953.11	-946.91	110.61	953.34	173.34	0.75	MWD	None
57	2101.85	37.10	168.96	30.08	1775.50	971.54	-965.02	114.14	971.75	173.25	1.51	MWD	None
58	2130.54	37.51	168.59	28.69	1798.32	988.90	-982.08	117.52	989.08	173.18	0.50	MWD	None
59	2159.14	38.47	167.19	28.60	1820.86	1006.45	-999.29	121.22	1006.61	173.08	1.37	MWD	None
60	2187.44	38.03	166.74	28.30	1843.08	1023.90	-1016.35	125.17	1024.03	172.98	0.56	MWD	None

[(c)2004 IDEAL ID8_1C_01]
SCHLUMBERGER Survey Report

6-May-2004 05:21:03

Page 4 of 5

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 100f	DLS (deg/100f)	Srvy Tool type	Corr
61	2216.29	38.41	166.91	28.85	1865.75	1041.68	-1033.73	129.24	1041.78	172.87	0.42	MWD	None
62	2245.08	38.93	167.52	28.79	1888.23	1059.60	-1051.28	133.22	1059.68	172.78	0.68	MWD	None
63	2273.90	38.02	167.87	28.82	1910.79	1077.48	-1068.80	137.04	1077.54	172.69	0.99	MWD	None
64	2302.68	38.81	168.30	28.78	1933.34	1095.32	-1086.29	140.73	1095.37	172.62	0.88	MWD	None
65	2331.35	38.78	168.59	28.67	1955.68	1113.25	-1103.89	144.33	1113.29	172.55	0.20	MWD	None
66	2359.88	38.33	168.94	28.53	1977.99	1131.00	-1121.33	147.79	1131.03	172.49	0.53	MWD	None
67	2388.53	38.91	168.96	28.65	2000.38	1148.85	-1138.88	151.22	1148.88	172.44	0.62	MWD	None
68	2417.21	38.59	168.82	28.68	2022.74	1166.78	-1156.50	154.68	1166.80	172.38	0.35	MWD	None
69	2445.97	39.26	168.62	28.76	2045.12	1184.82	-1174.22	158.21	1184.83	172.33	0.72	MWD	None
70	2474.75	38.92	168.19	28.78	2067.46	1202.93	-1191.99	161.86	1202.93	172.27	0.46	MWD	None
71	2503.39	39.80	167.74	28.64	2089.60	1221.04	-1209.76	165.65	1221.05	172.20	0.98	MWD	None
72	2531.95	39.39	167.17	28.56	2111.61	1239.19	-1227.53	169.60	1239.19	172.13	0.58	MWD	None
73	2560.51	40.01	166.69	28.56	2133.58	1257.36	-1245.30	173.73	1257.36	172.06	0.74	MWD	None
74	2589.43	40.85	166.60	28.92	2155.60	1276.03	-1263.54	178.06	1276.03	171.98	0.89	MWD	None
75	2617.92	41.96	167.22	28.49	2176.96	1294.79	-1281.90	182.33	1294.80	171.91	1.27	MWD	None
76	2646.67	41.96	167.88	28.75	2198.34	1313.96	-1300.67	186.47	1313.97	171.84	0.47	MWD	None
77	2675.56	41.93	168.44	28.89	2219.83	1333.22	-1319.57	190.43	1333.24	171.79	0.40	MWD	None
78	2703.70	41.03	168.90	28.14	2240.91	1351.83	-1337.84	194.10	1351.85	171.75	1.03	MWD	None
79	2732.45	40.27	169.62	28.75	2262.73	1370.53	-1356.24	197.59	1370.56	171.71	0.95	MWD	None
80	2760.98	39.81	169.96	28.53	2284.57	1388.87	-1374.31	200.84	1388.90	171.69	0.54	MWD	None
81	2789.98	38.64	171.44	29.00	2307.03	1407.20	-1392.40	203.81	1407.24	171.67	1.57	MWD	None

82	2818.82	38.83	171.71	28.84	2329.53	1425.25	-1410.25	206.45	1425.28	171.67	0.27	MWD	None
83	2847.42	38.91	171.07	28.60	2351.80	1443.20	-1428.00	209.14	1443.23	171.67	0.44	MWD	None
84	2875.94	39.73	171.25	28.52	2373.86	1461.26	-1445.85	211.91	1461.30	171.66	0.88	MWD	None
85	2904.56	40.43	171.37	28.62	2395.76	1479.69	-1464.07	214.70	1479.73	171.66	0.75	MWD	None
86	2933.12	40.91	171.26	28.56	2417.42	1498.30	-1482.47	217.51	1498.34	171.65	0.52	MWD	None
87	2961.50	41.59	171.60	28.38	2438.76	1517.01	-1500.97	220.30	1517.05	171.65	0.77	MWD	None
88	2990.42	39.85	170.94	28.92	2460.68	1535.88	-1519.62	223.16	1535.92	171.65	1.89	MWD	None
89	3019.22	39.73	171.29	28.80	2482.81	1554.30	-1537.83	226.00	1554.35	171.64	0.27	MWD	None
90	3048.40	39.90	171.55	29.18	2505.22	1572.99	-1556.30	228.79	1573.03	171.64	0.25	MWD	None

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SCHLUMBERGER Survey Report

6-May-2004 05:21:03

Page 5 of 5

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 100f	DLS (deg/ type)	Srvy tool	Tool Corr
91	3076.98	39.84	171.60	28.58	2527.16	1591.31	-1574.43	231.48	1591.35	171.64	0.07	MWD	None
92	3104.57	40.18	172.01	27.59	2548.29	1609.05	-1591.99	234.00	1609.09	171.64	0.48	MWD	None
93	3134.13	41.41	172.07	29.57	2570.67	1628.37	-1611.12	236.68	1628.41	171.64	1.27	MWD	None
94	3162.70	42.38	172.49	28.56	2591.93	1647.44	-1630.02	239.24	1647.48	171.65	1.08	MWD	None
95	3191.43	42.22	172.43	28.73	2613.18	1666.77	-1649.19	241.78	1666.81	171.66	0.18	MWD	None
96	3219.74	41.68	172.83	28.31	2634.24	1685.70	-1667.95	244.21	1685.74	171.67	0.65	MWD	None
97	3248.88	38.89	174.72	29.14	2656.46	1704.52	-1686.68	246.26	1704.56	171.69	3.19	MWD	None
98	3255.01	38.38	174.78	6.13	2661.25	1708.35	-1690.49	246.61	1708.38	171.70	2.54	MWD	None
99	3275.00	38.38	174.78	19.99	2676.92	1720.75	-1702.85	247.74	1720.78	171.72	0.00	Projection to TD	

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

Schlumberger

Well: **MLA A24A**

Field: **Turrum**

Rig: **ISDL 453**

State: **Victoria**

Gamma Ray Service

1:200 Measured Depth

Real Time Log

