# Schlumberger

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

Well: **BMA A6A**
Field: **Bream A**
Rig: **ISDL 453** State: **Victoria**

Rig: ISDL 453
Field: Bream A
Location: Bass Strait
Well: BMA A6A
Company: ESSO Australia Pty. Ltd.

## Gamma Ray Service
## 1:200 Measured Depth
## Real Time Log

Location

| | |
|---|---|
| Total depth: | 3256.0 m |
| Spud date: | 1 February 2006 |
| Runs: | 1 To 1 |

Elevation

| | |
|---|---|
| K.B. | Top Drive |
| G.L. | −59.4 m |
| D.F. | 32.82 m |

Permanent datum: Mean Sea Level Elev.: 0 m
Log measured from: Drill Floor 32.82 m above Perm. datum
Depth reference: Driller's Depth

| Service Order no. | Y = 5738461.49 m | Longitude Latitude |
|---|---|---|
| 06ASQ0001 | X = 567347.12 m | E147° 46' 20.421" S38° 29' 58.784" |

Depth logged: 851.0 m To 3256.0 m
Date logged: 1−Feb−06 To 12−Feb−06
Mag decl: 13.068 deg.
Mag dip: −69.035 deg.
Other services: Directional Drilling, D&I

Bore hole record

| Hole size | from | to |
|---|---|---|
| 8−1/2 in. | 851.0 m | 3256.0 m |

Casing record

| Size | Density | from | to |
|---|---|---|---|
| 10−3/4 in. | 40.5 lbm/m | 11.9 m | 851.0 m |

Mud record

| Type | from | to |
|---|---|---|
| KCl/PHPA/Glycol | 851.0 m | 3256.0 m |

Borehole deviation record

| Min | Max | from | to |
|---|---|---|---|
| 18.78 deg | 65.48 deg. | 851.0 m | 1500.0 m |
| 63.94 deg | 68.20 deg. | 1500.0 m | 2500.0 m |
| 64.04 deg | 67.23 deg. | 2500.0 m | 3256.0 m |

Surface equipment

| | |
|---|---|
| Unit | OLU−FB−924 |
| Depth system | DES−CA−ASQ04−01 |

Software record

| | |
|---|---|
| IDEAL Wis | ID11_0C_01 |
| SPM | HSPM11_0C_01 |
| LWD | N/A |
| MWD | V8.0B96 |

# Bit Run Summary

| Run number | | 1 |
|---|---|---|
| Bit size | in. | 8.5 |
| Bit start depth | m | 851.0 |
| Bit end depth | m | 3256.0 |
| Top interval logged | m | 851.0 |
| Bottom interval logged | m | 3239.4 |
| Begin log: time | | 05:00 |
| Begin log: date | | 02−Feb−06 |
| End log: time | | 09:41 |
| End log: date | | 12−Feb−06 |
| **Mud data** | | |
| Depth | m | 3256.0 |
| Type | | KCl/PHPA/Gly. |
| Mud weight | ppg | 10.05 |
| Solids | % | 8.0 |
| Chlorides | mg/l | 47,500 |
| Rm | | N/A |
| Rmf | | N/A |
| Rmc | | N/A |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Potassium | % | 8.6 | | | | | | | | | |
| **Environmental data** | | | | | | | | | | | |
| **GR** | | | | | | | | | | | |
| Mud weight | ppg | 10.05 | | | | | | | | | |
| Bit size | in. | 8.5 | | | | | | | | | |
| **Resistivity** | | | | | | | | | | | |
| **Neutron porosity** | | | | | | | | | | | |
| Hole Size | | N/A | | | | | | | | | |
| Mud weight | | N/A | | | | | | | | | |
| Temperature | | N/A | | | | | | | | | |
| Mud salinity | | N/A | | | | | | | | | |
| Formation salinity | | N/A | | | | | | | | | |
| Recording rate 1 | SEC | 3.83 | | | | | | | | | |
| 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. Bassett | B. Steel | | | | | | |
| Schlumberger D&M Personnel | | L. Johnston | B. Pattarakorn | C. Soper | L. Muskett | C. Skiba | | | | | |



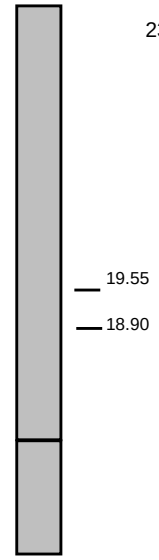
| OTHER SERVICES FOR RUN1 | OTHER SERVICES FOR RUN | OTHER SERVICES FOR RUN |
|---|---|---|
| Directional Drilling<br>Directional Surveys<br>D&I | | |

| REMARKS: RUN NUMBER 1 | REMARKS: RUN NUMBER | REMARKS: RUN NUMBER |
|---|---|---|
| Depth is referenced to driller's depth<br><br>Gamma Ray corrected for Tool Size, Bit Size and Mud weight<br><br>Gamma Ray not corrected for Potassium<br><br>Mud type is KCl/PHPA/Glycol.<br><br>8−1/2 in. hole was drilled from 851.0m to 3256.0 m<br><br>POOH due to TD of BMA A6A | | |

# EQUIPMENT DESCRIPTION

| RUN1 | RUN | RUN |
|---|---|---|
| | | |

DOWNHOLE EQUIPMENT




6−3/4 in. PowerPulse 23.85
MDC: Z408
MEC: 64
MDI: 738
MGR: 503
DHS: V8.0B96

6−5/8 in. NM Pony w/Float 15.46
S/N: ANA98−007

6−5/8 in. NM Roller Reamer 12.84
S/N: GU2298

6−3/4 in. NM Pony 10.76
S/N: ASS15700

7 in. PowerPak* Motor 9.20
A700GT 7:8
S/N: N7311
1.5 deg. Bent Housing
8−3/8 in. Motor Sleeve

Smith PDC Bit 0.23
OD: 8−1/2 in.
S73PX S/N: JT0016R1

Maximum string diameter 8.50 in.

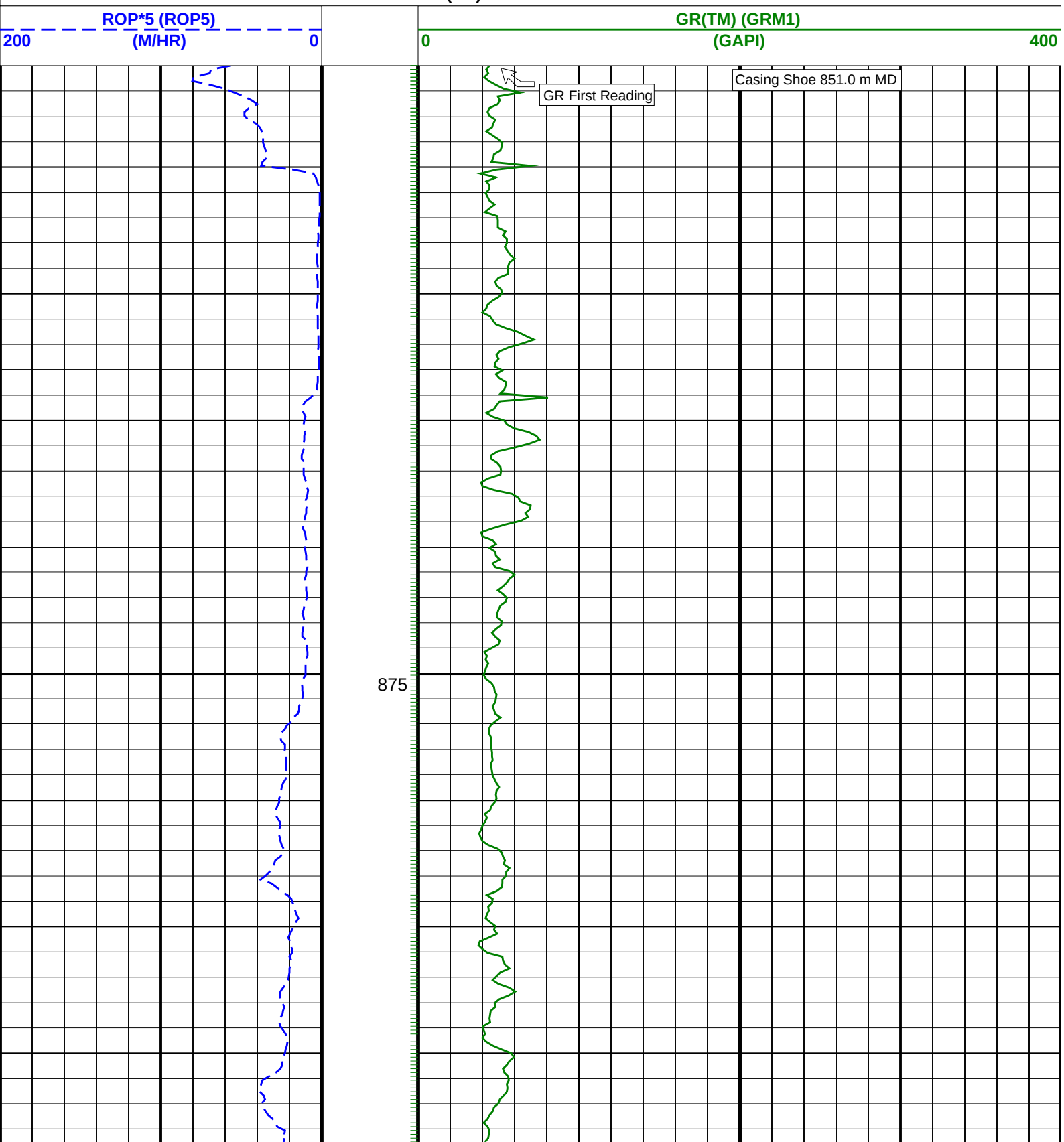
All lengths in Meters

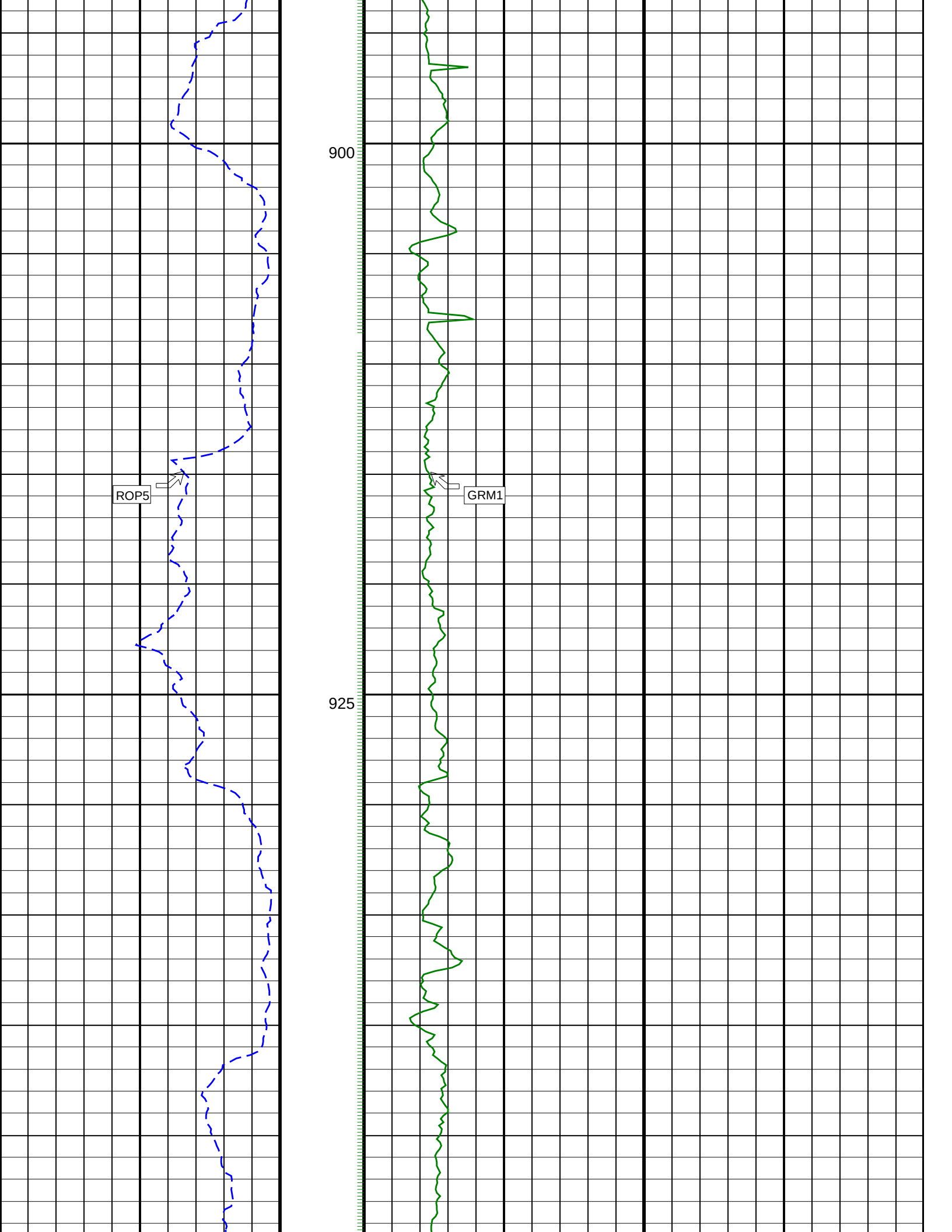
# BMA A6A RT 1:200 MD

IDEAL Version: ID11_0C_01 <MD > Vertical Scale: 1:200 Graphics File Created: 14−Feb−2006 10:54

PIP SUMMARY

GR(TM) PIP

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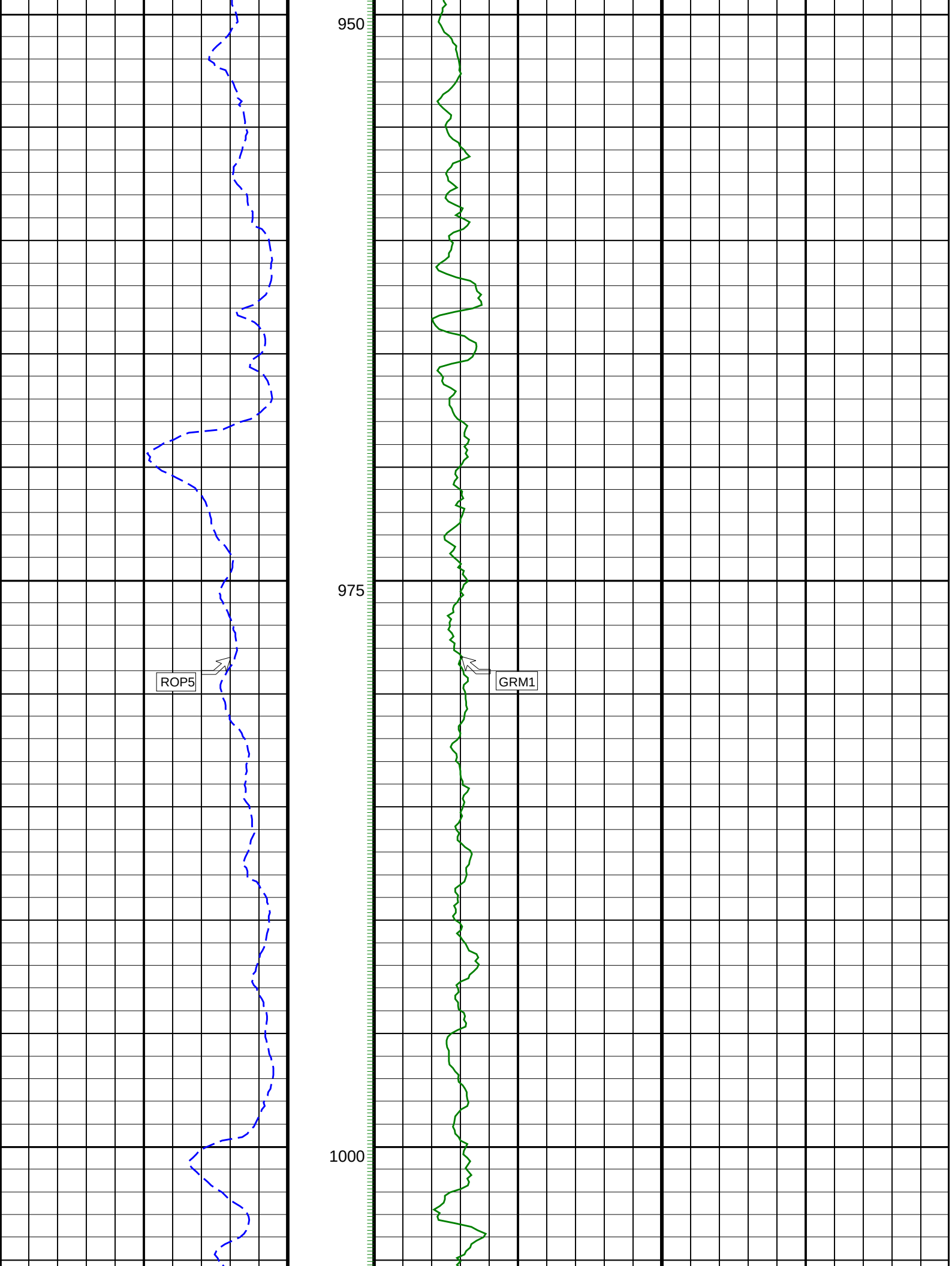
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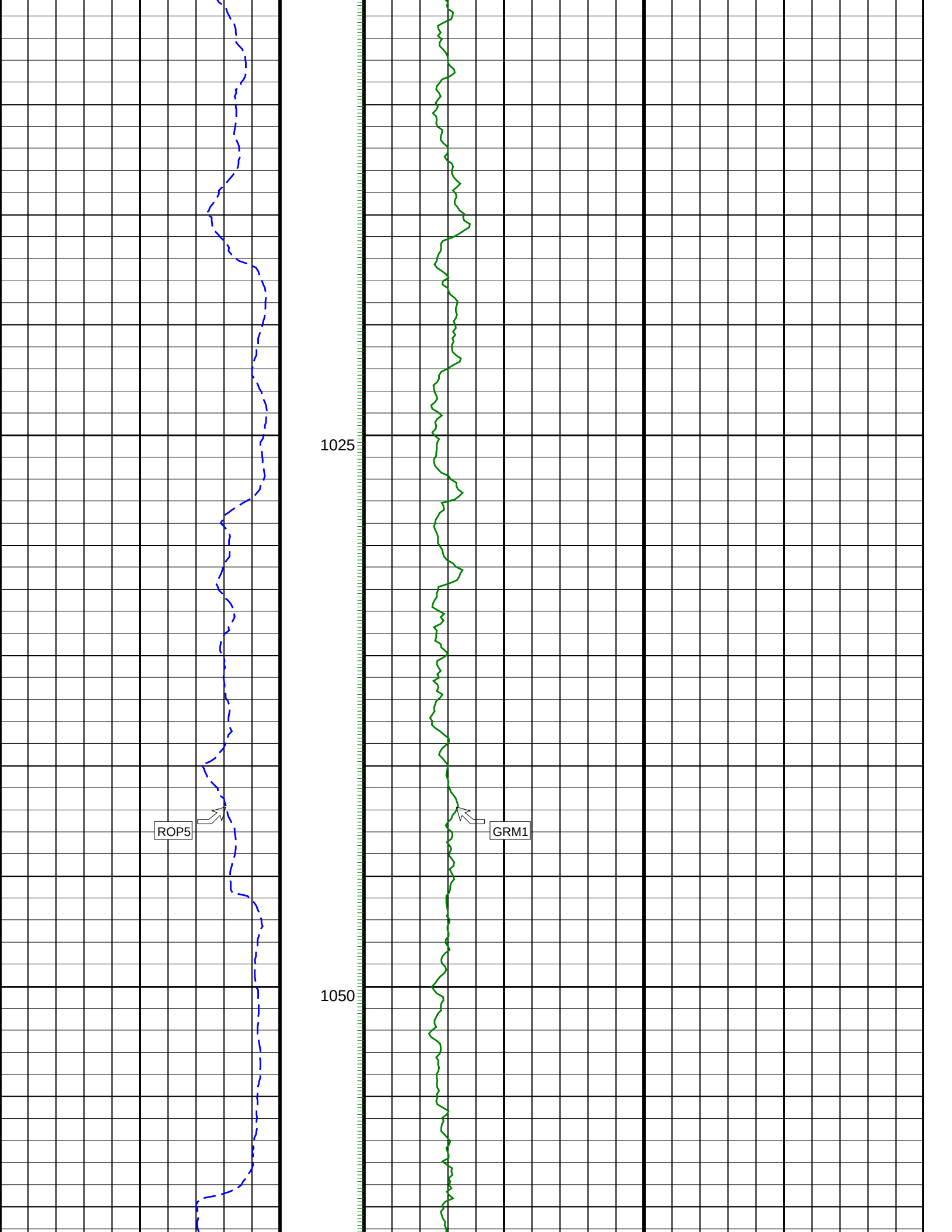
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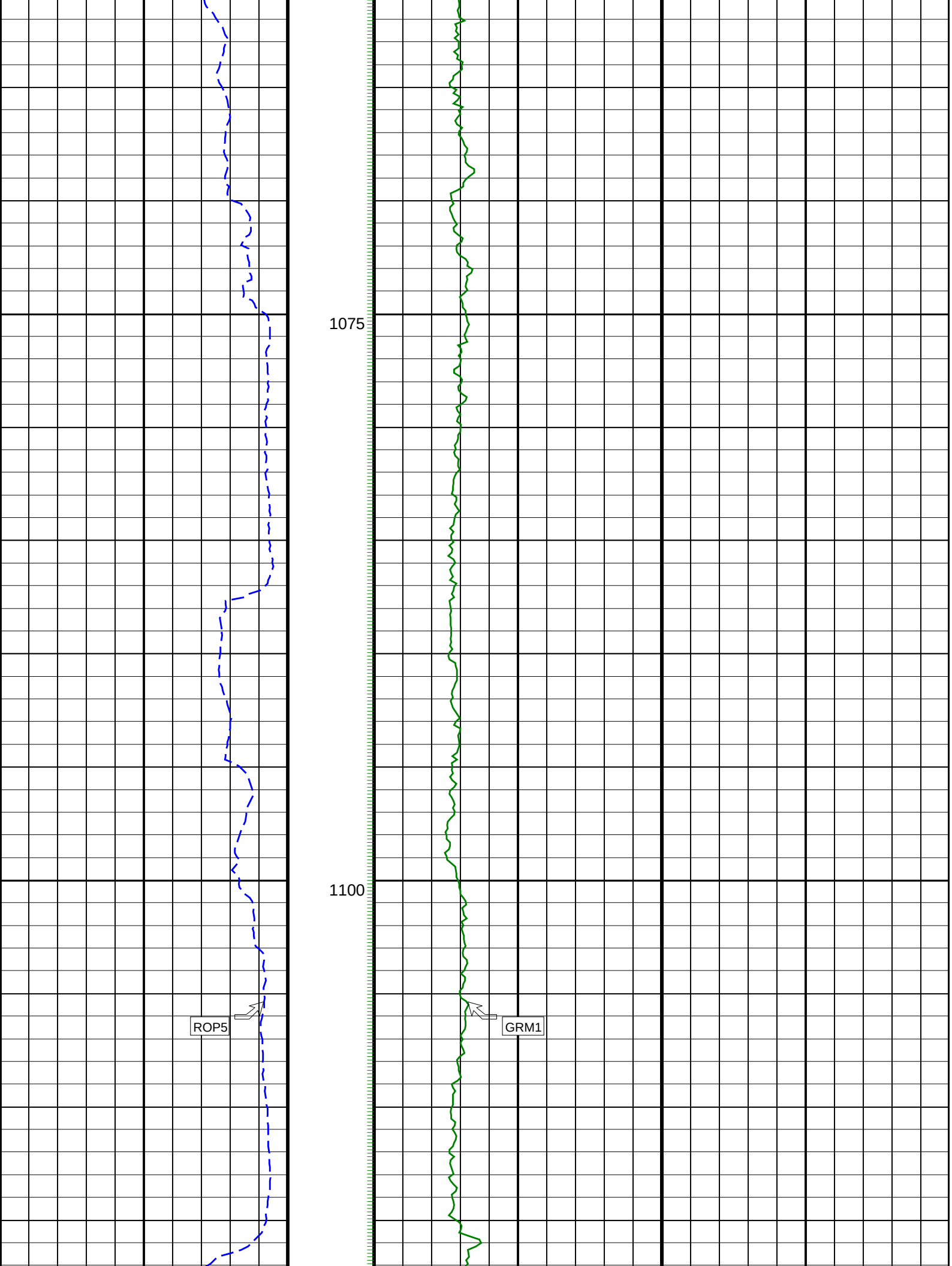
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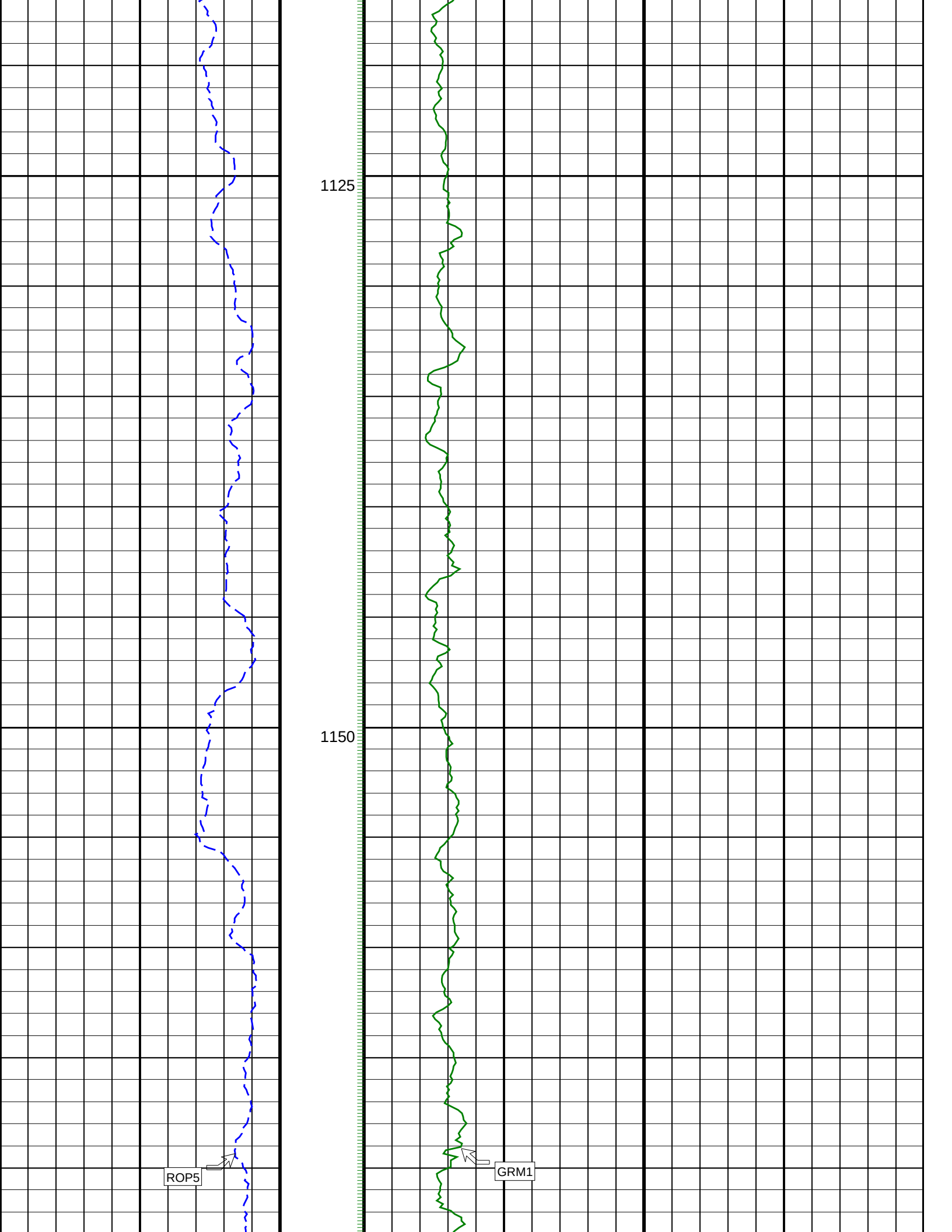
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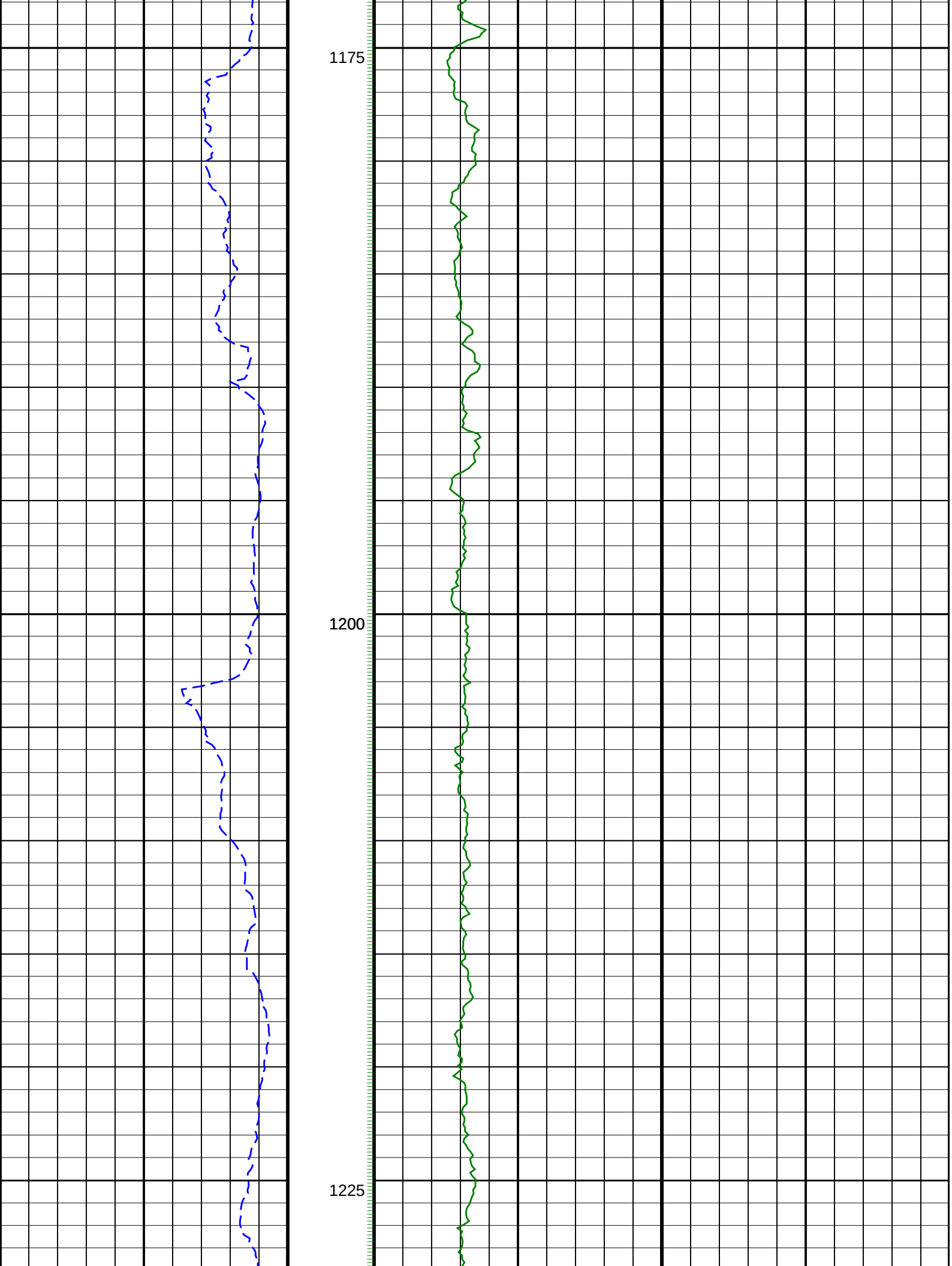
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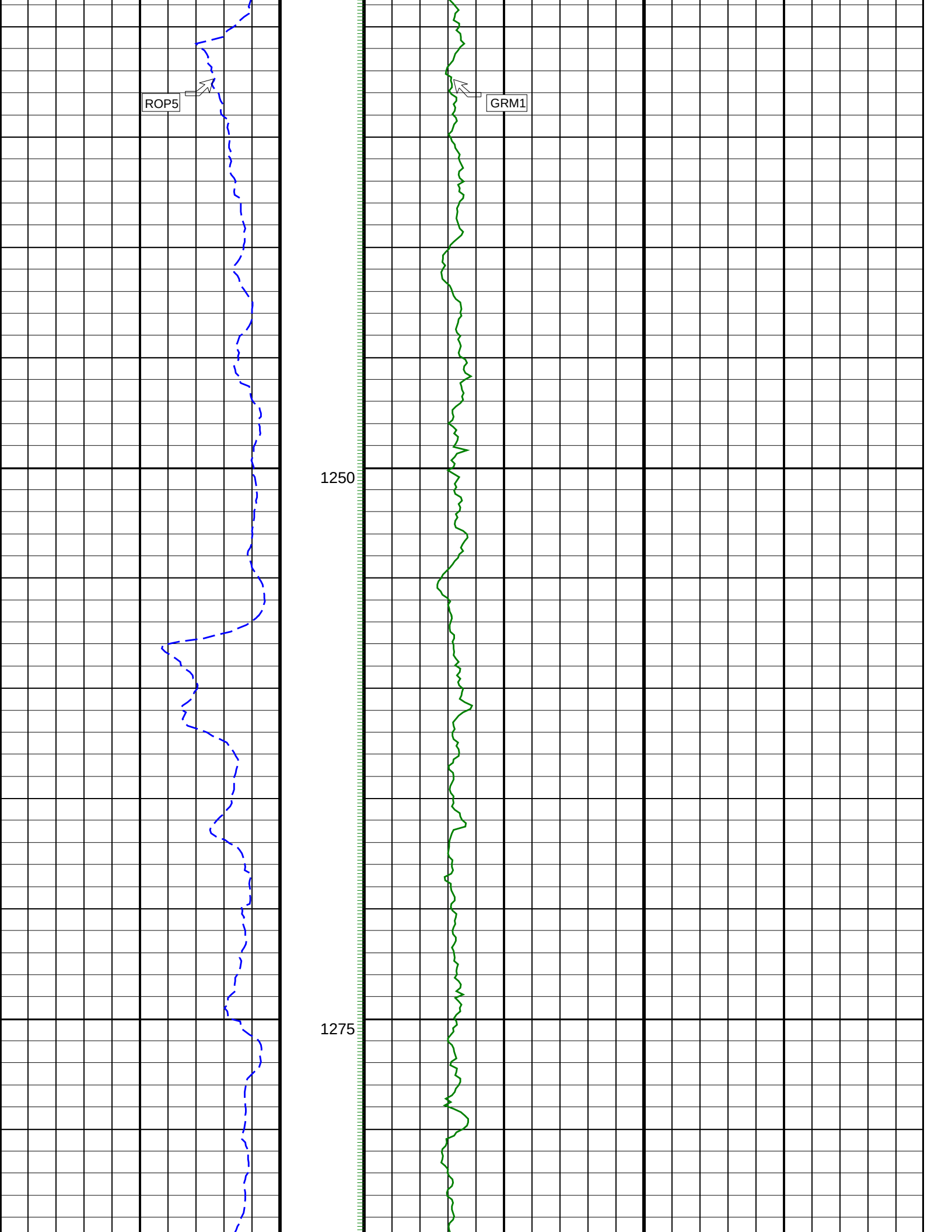
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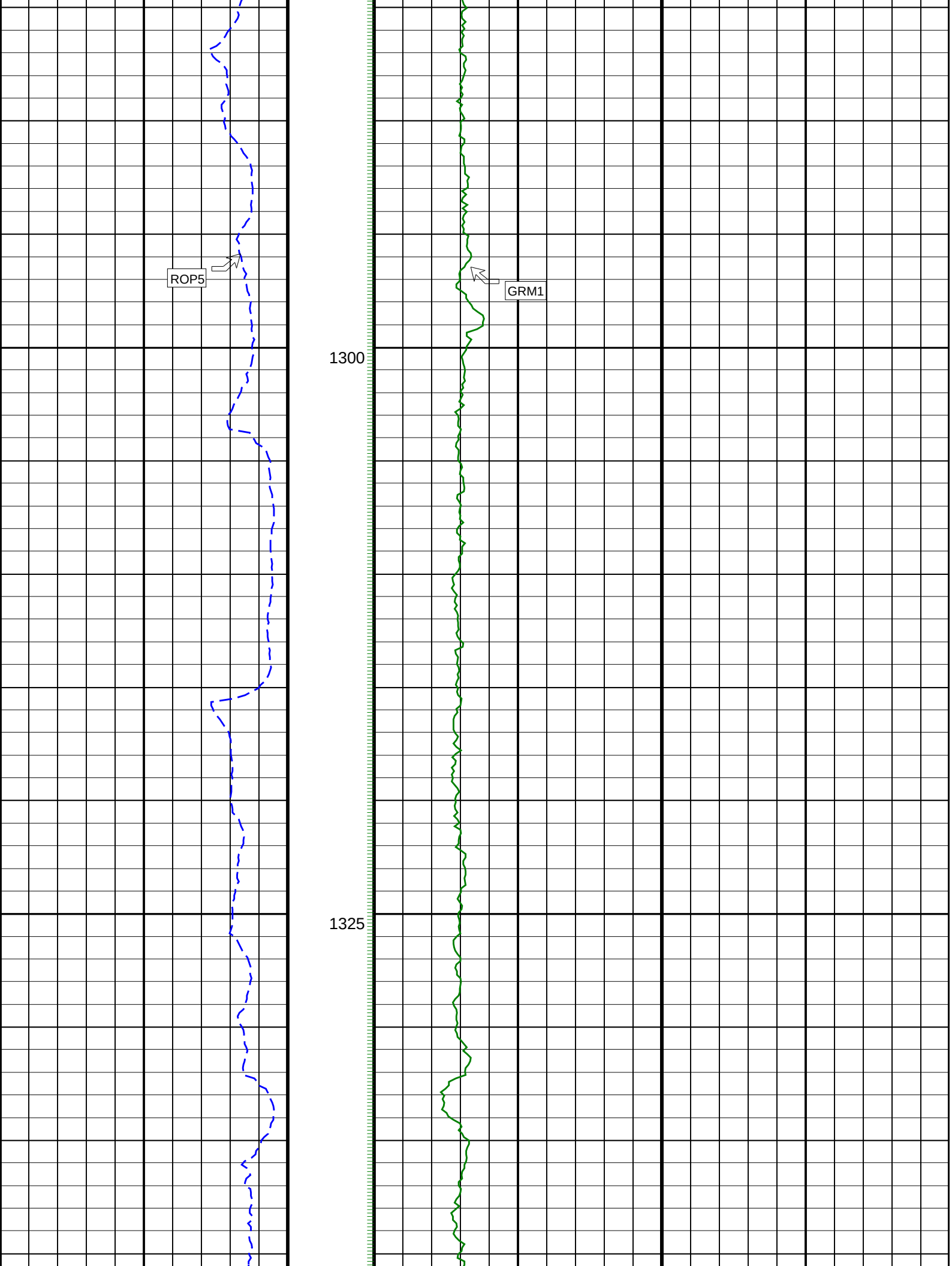
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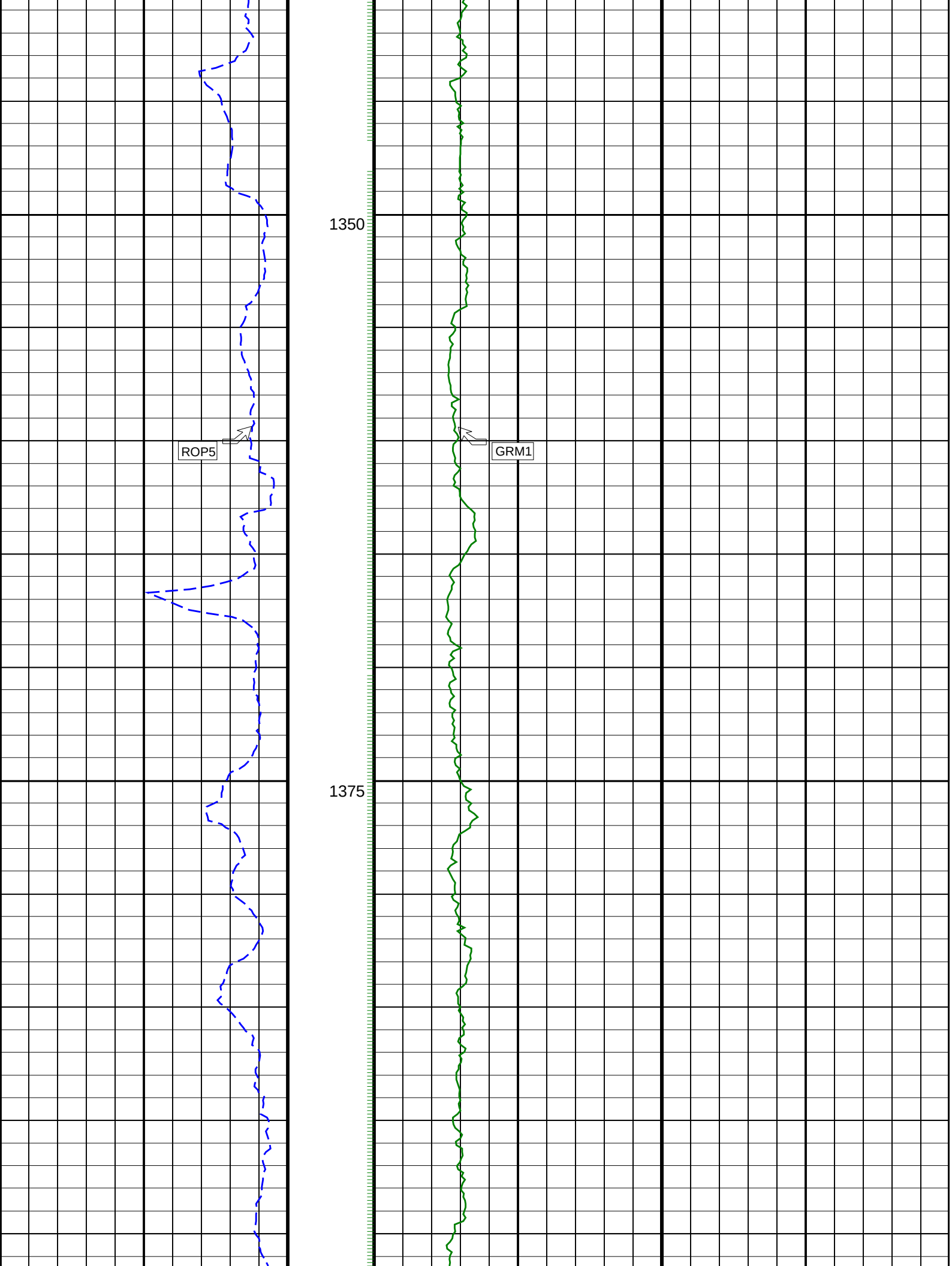
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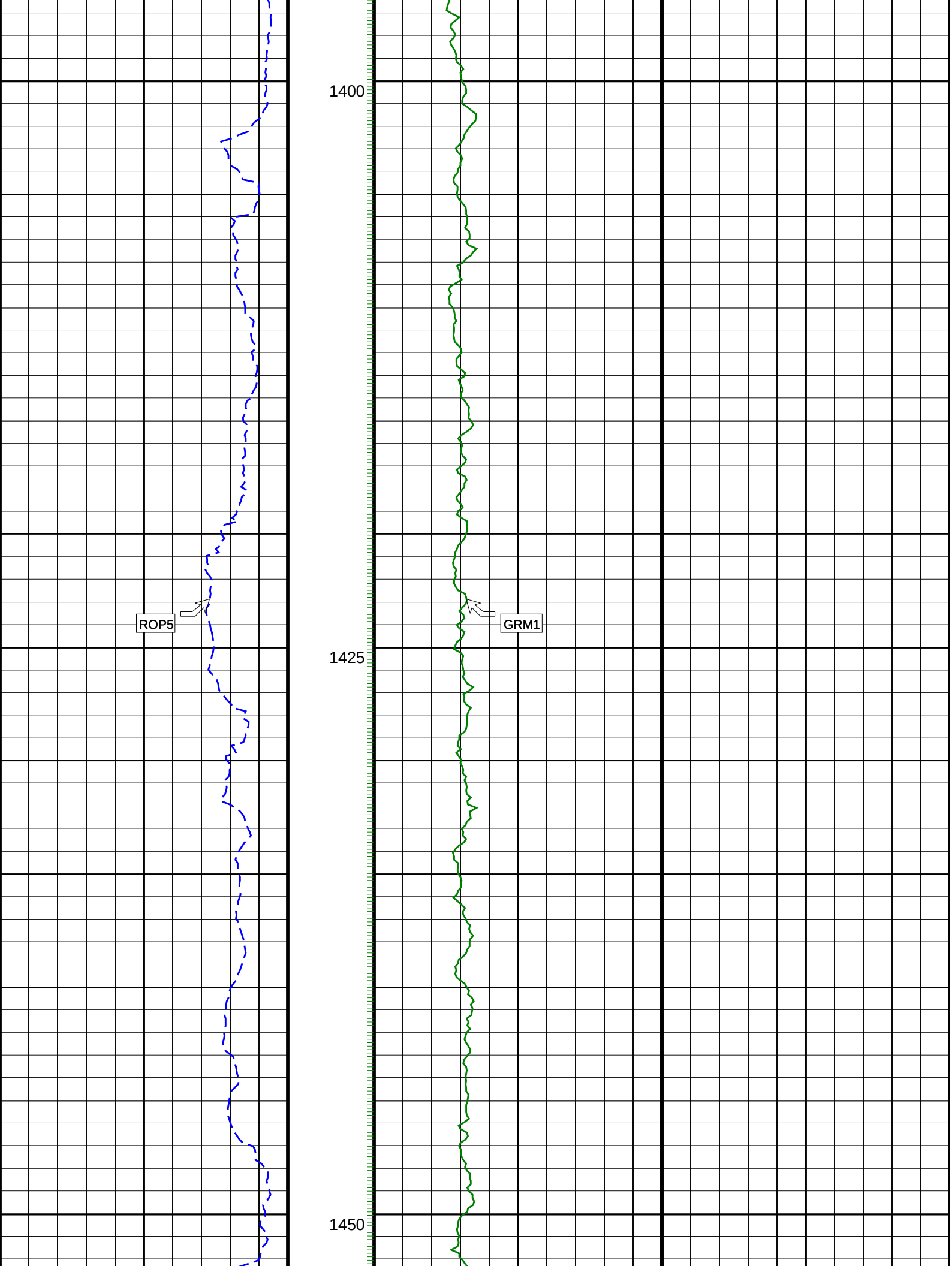
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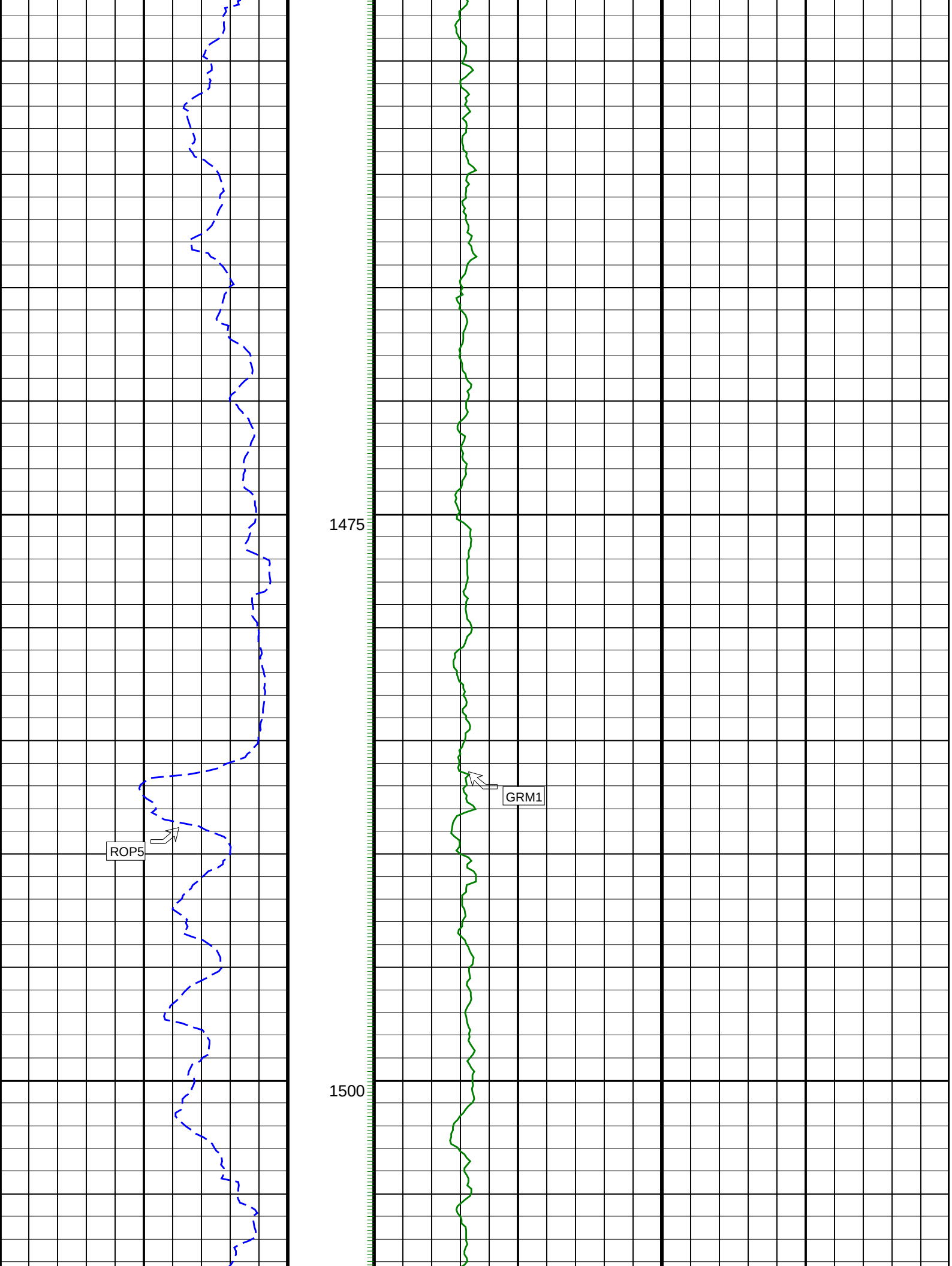
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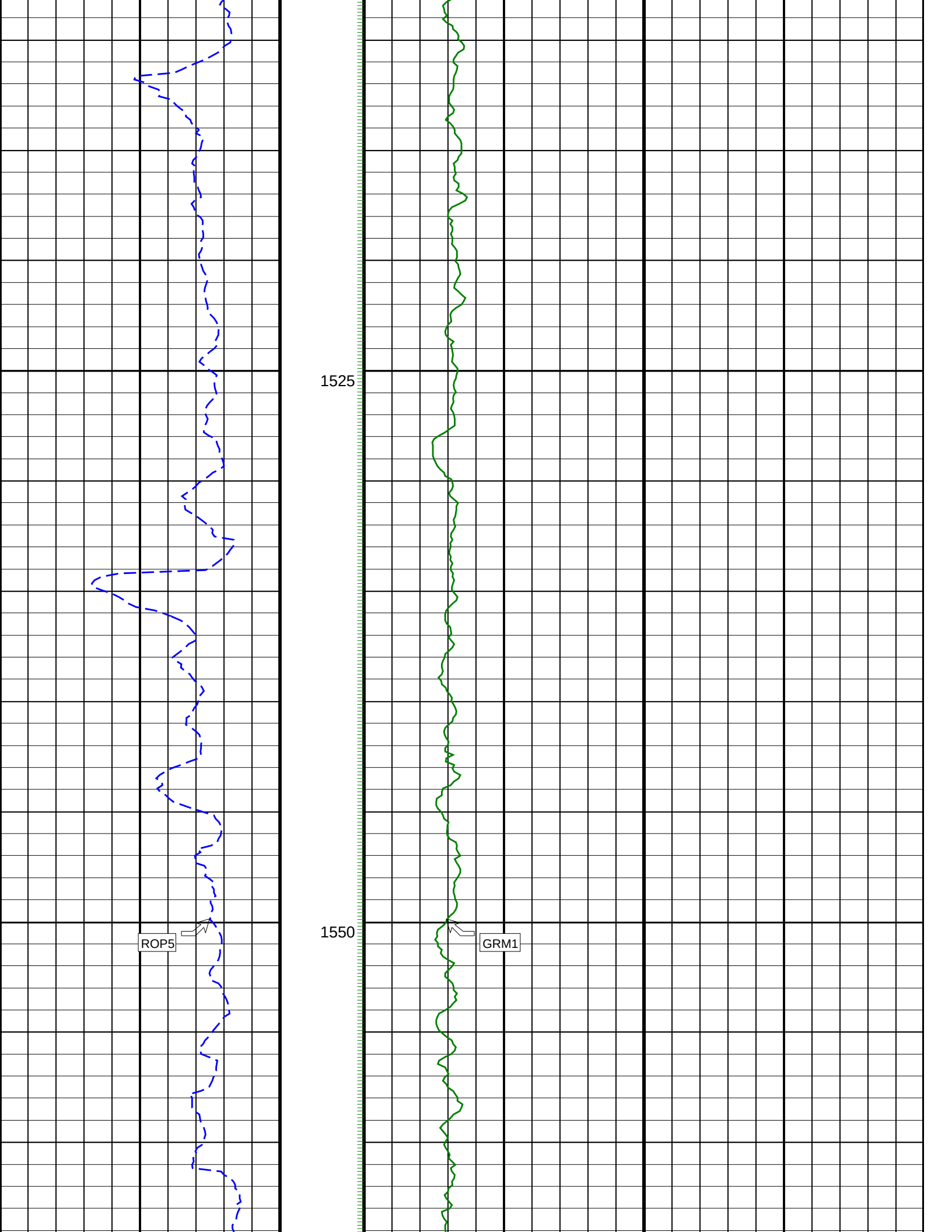
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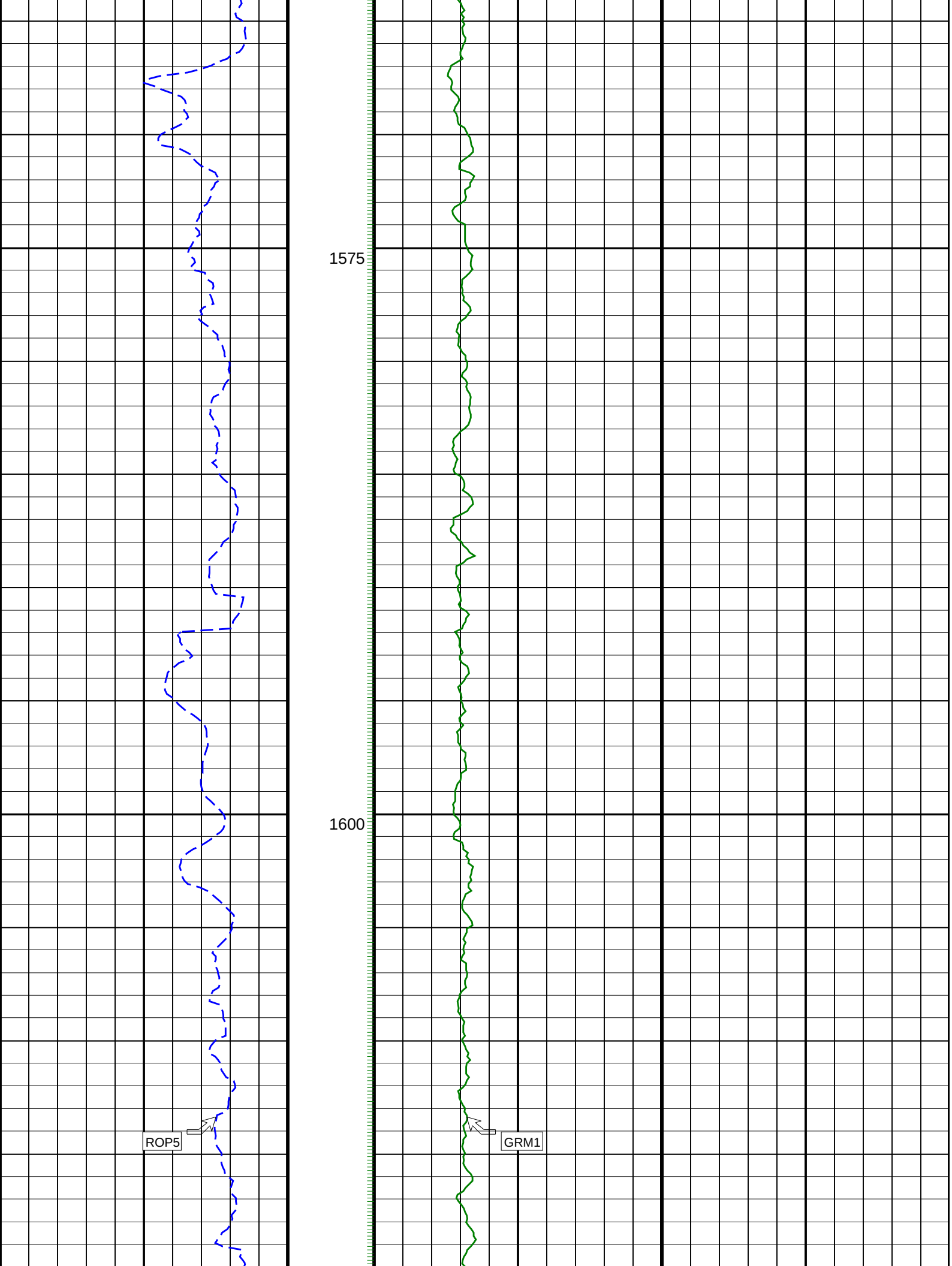
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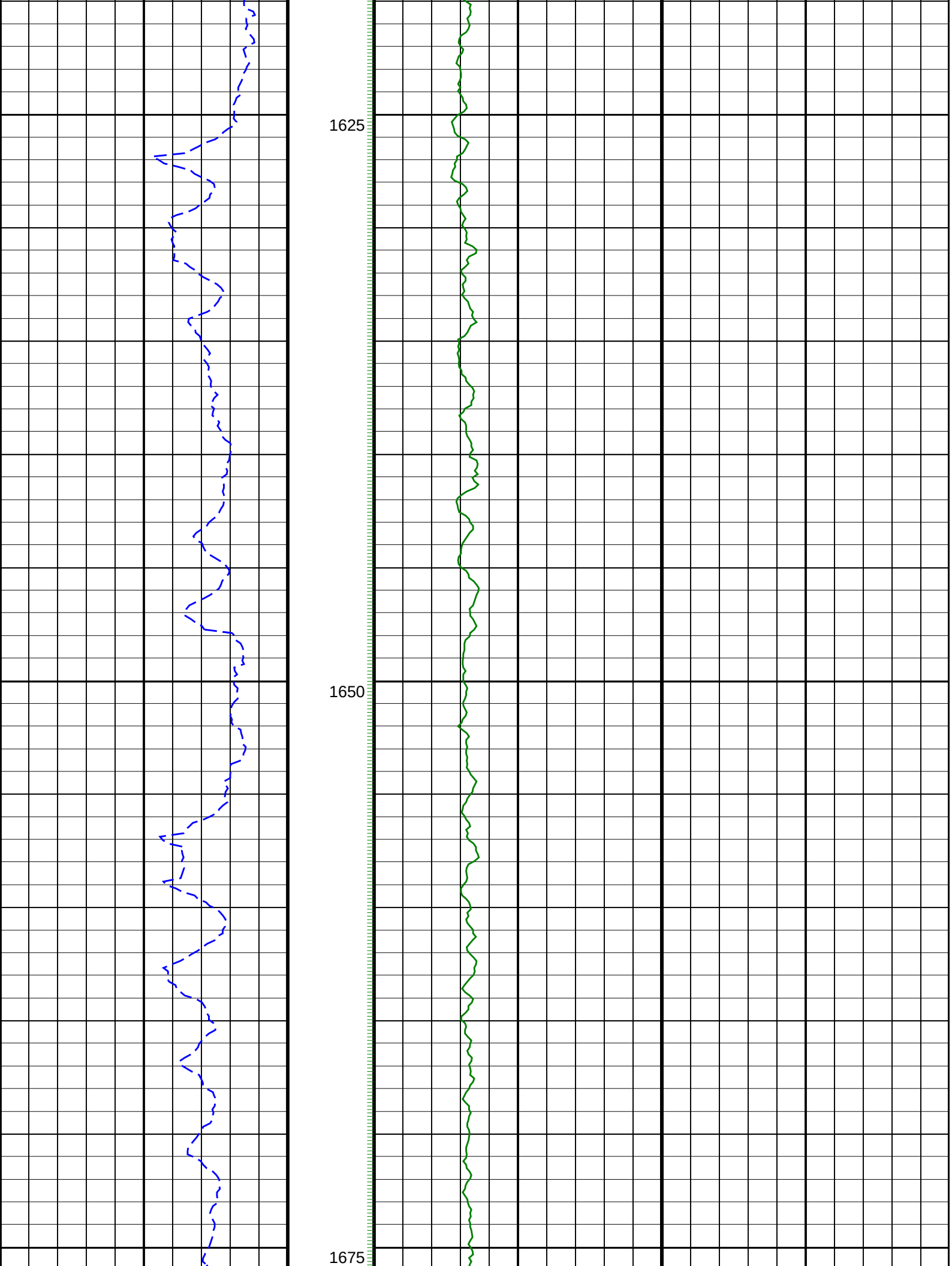
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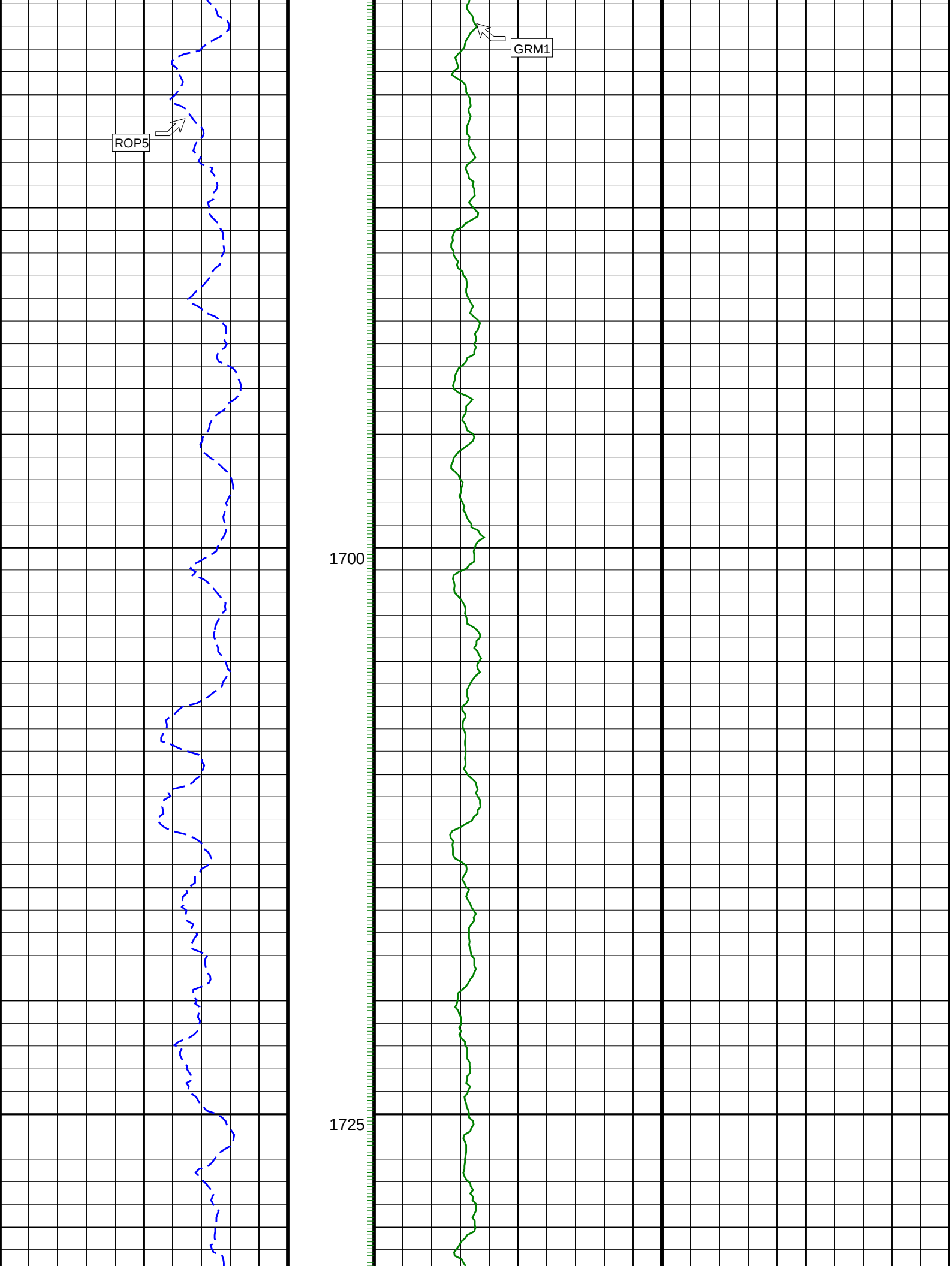
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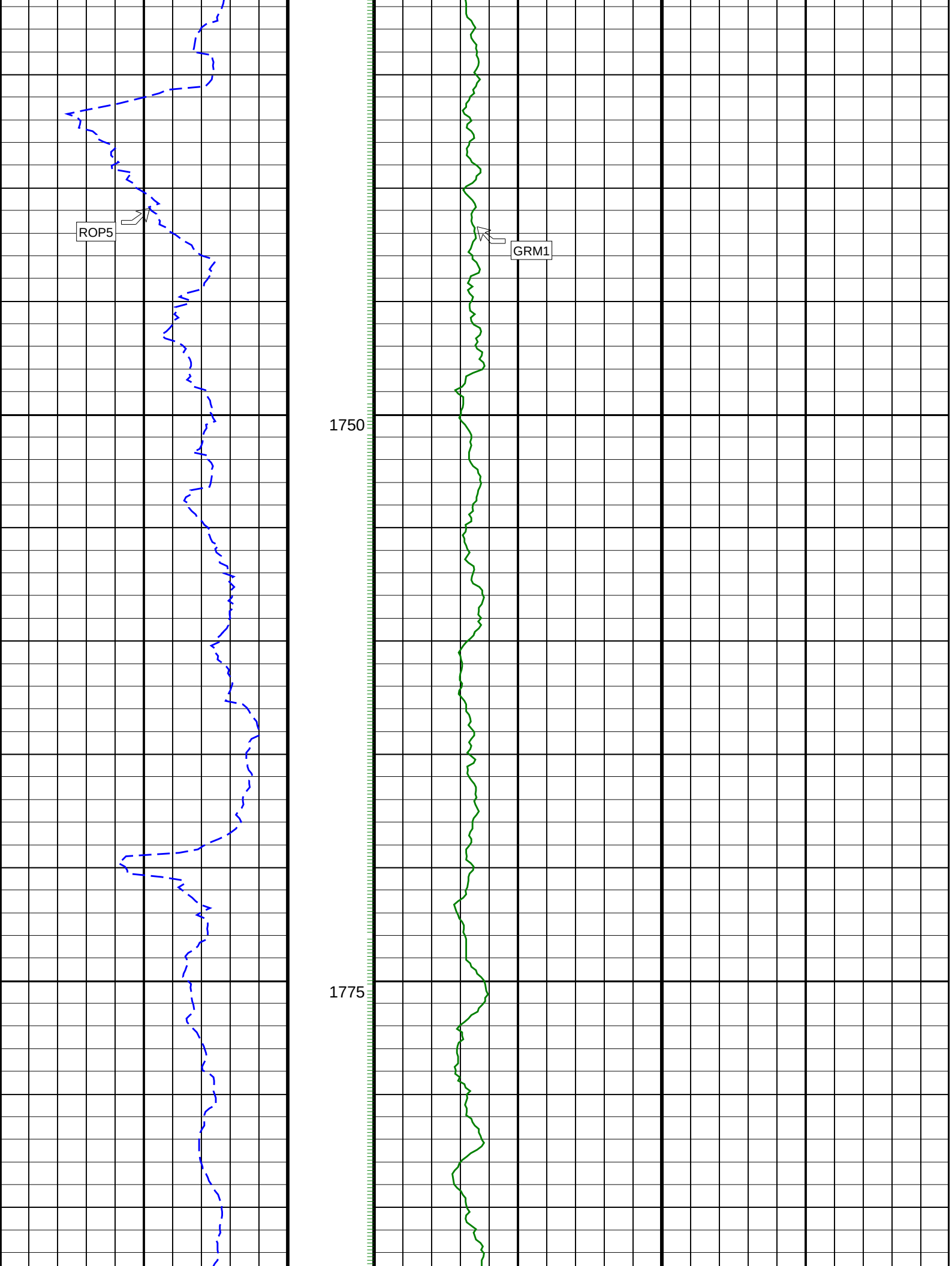
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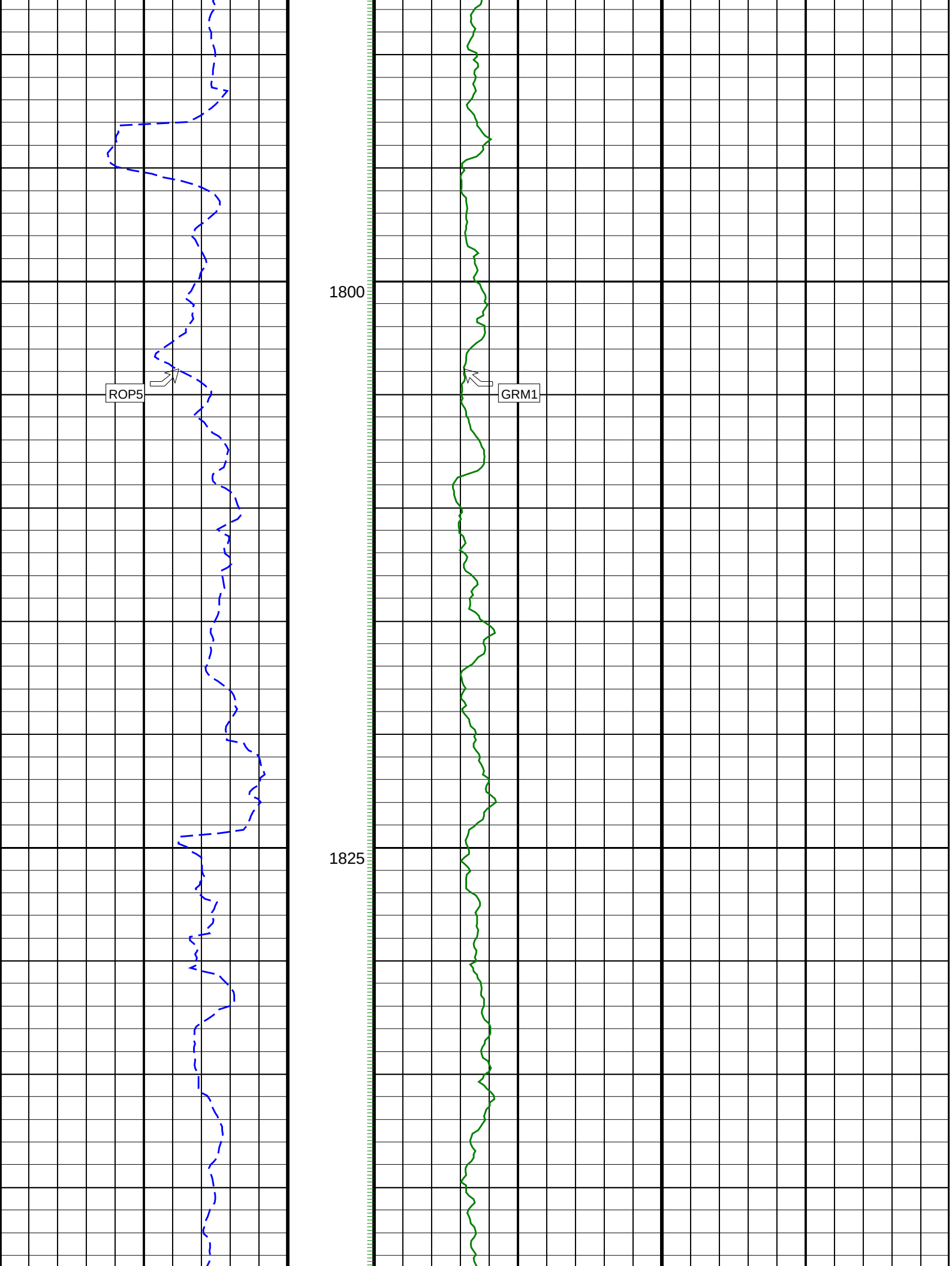
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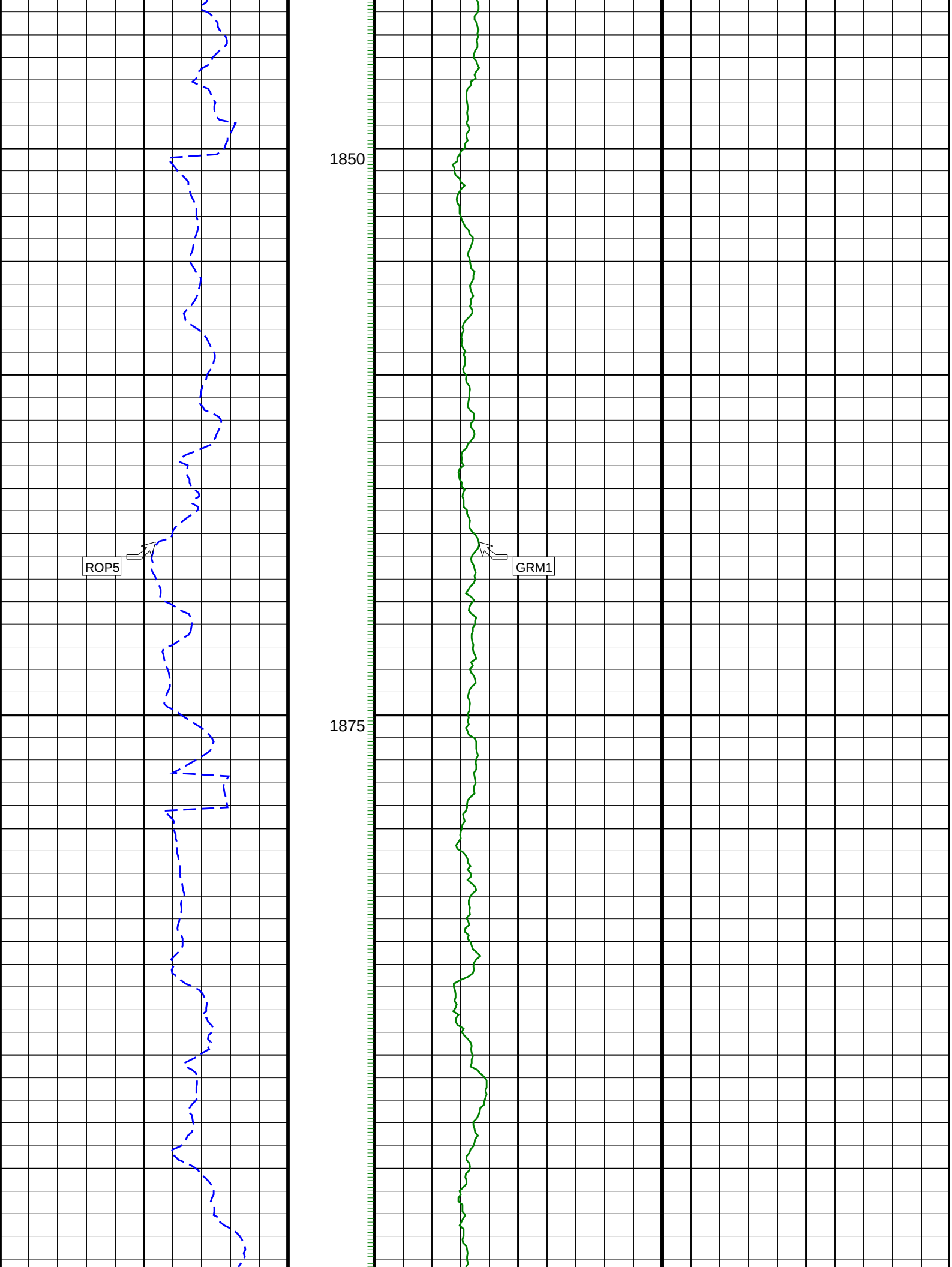
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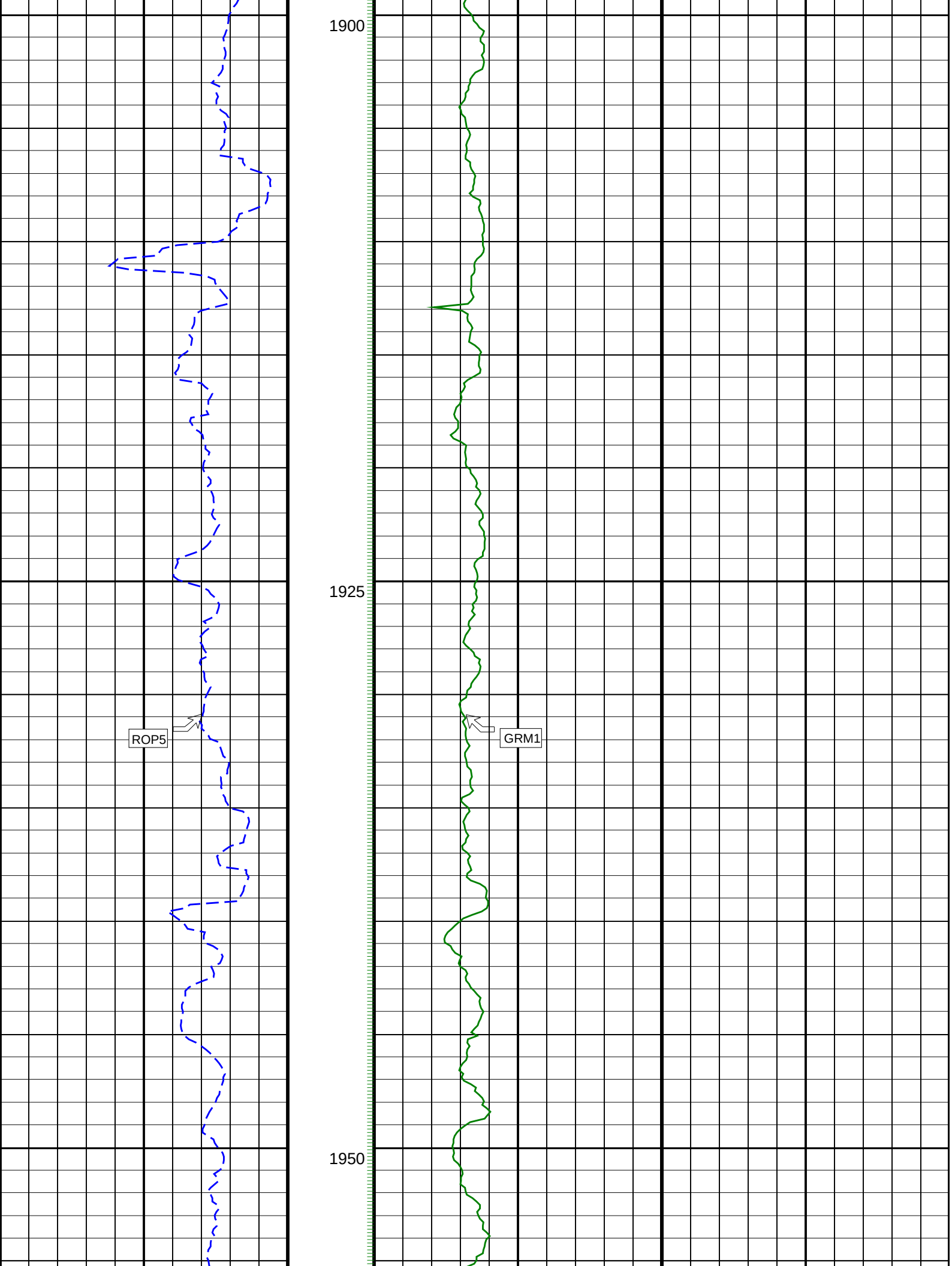
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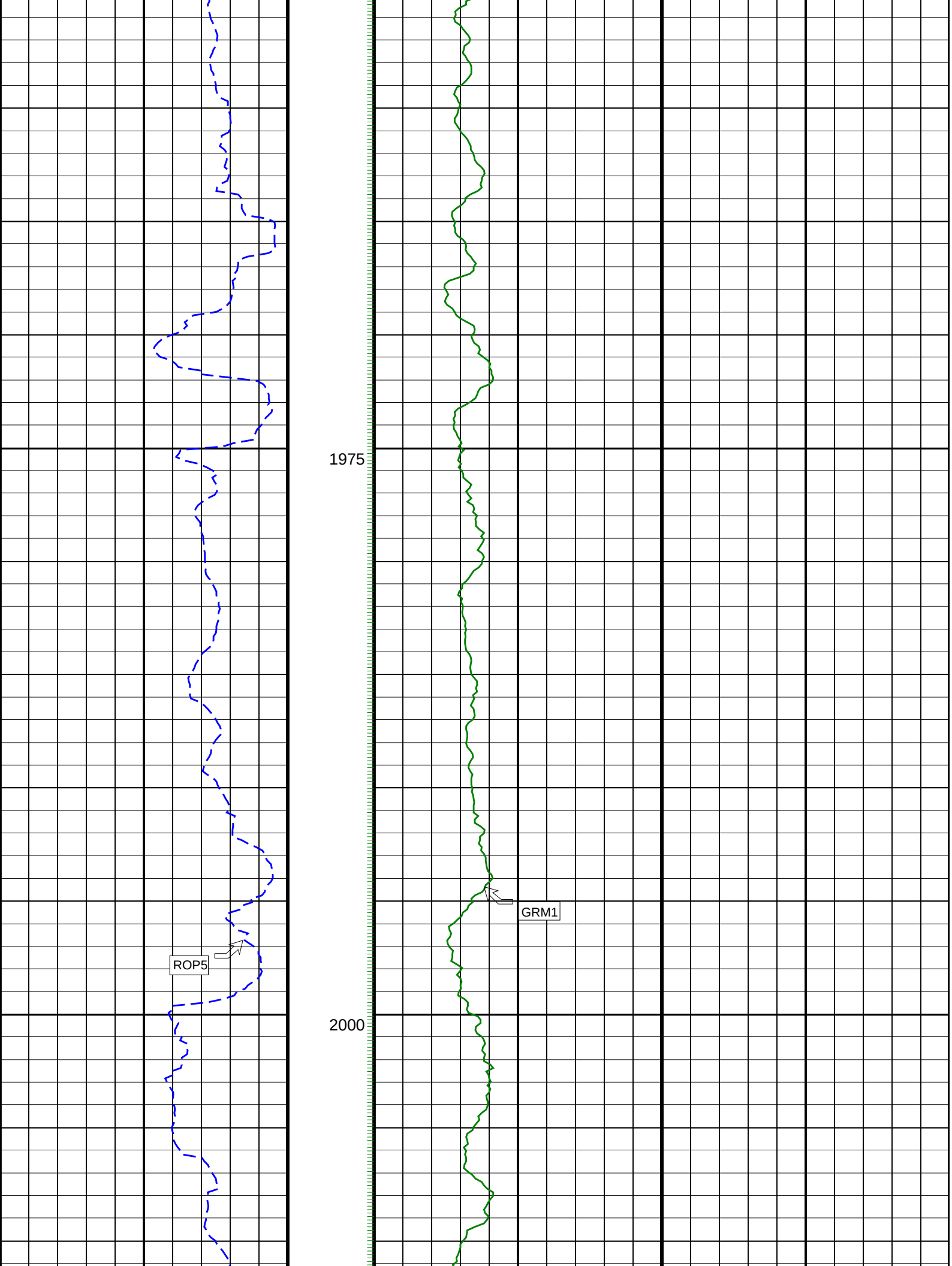
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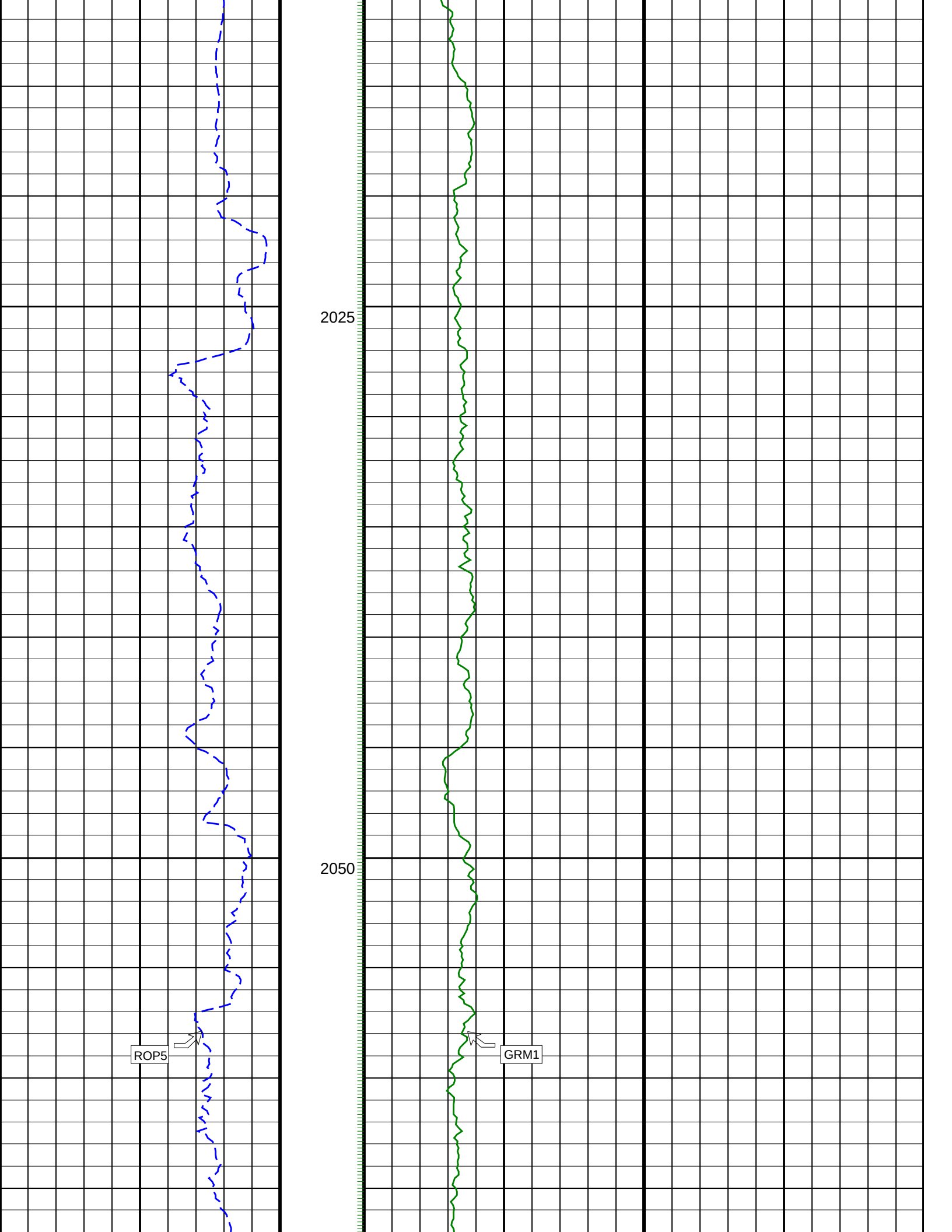
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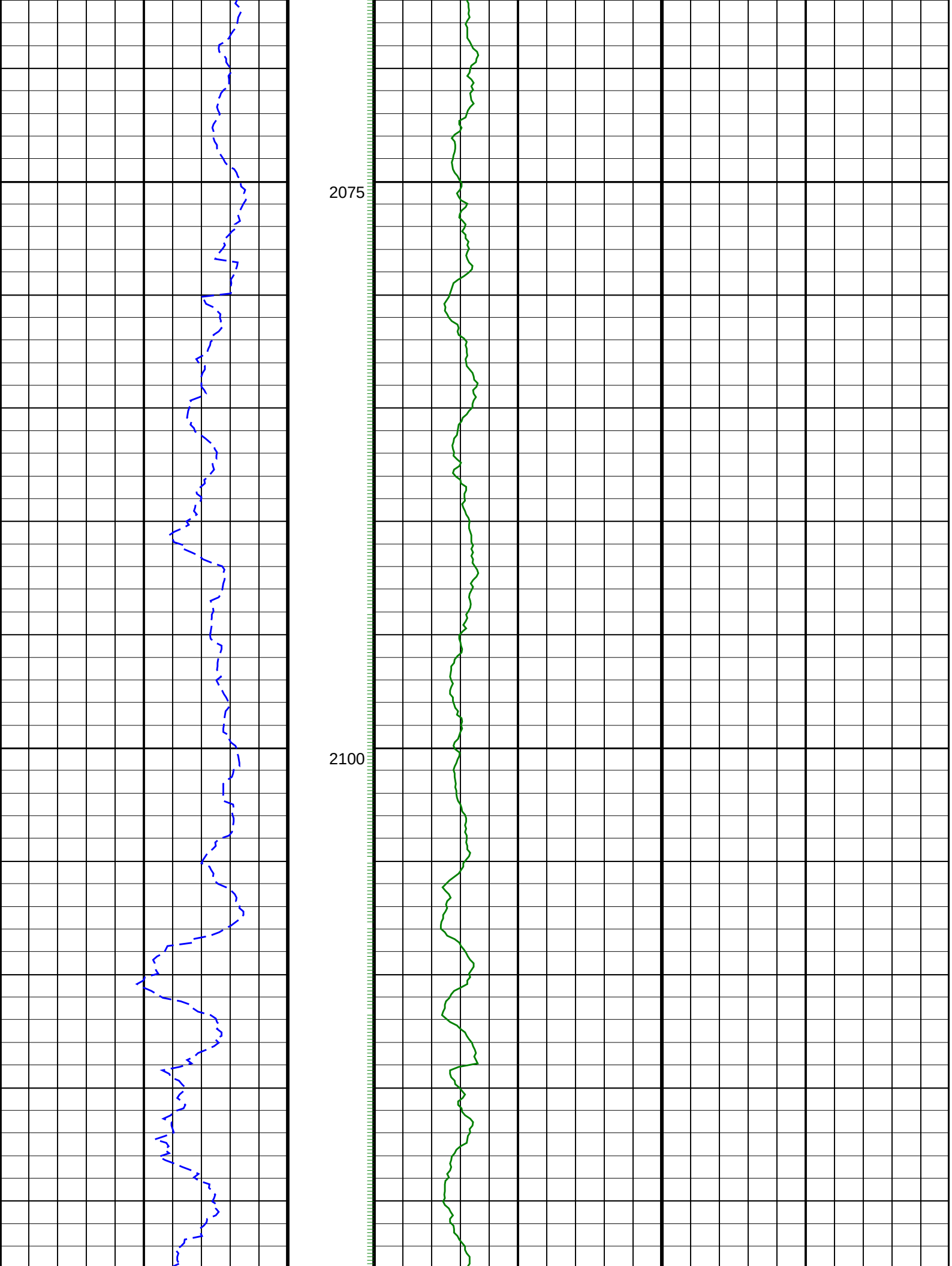
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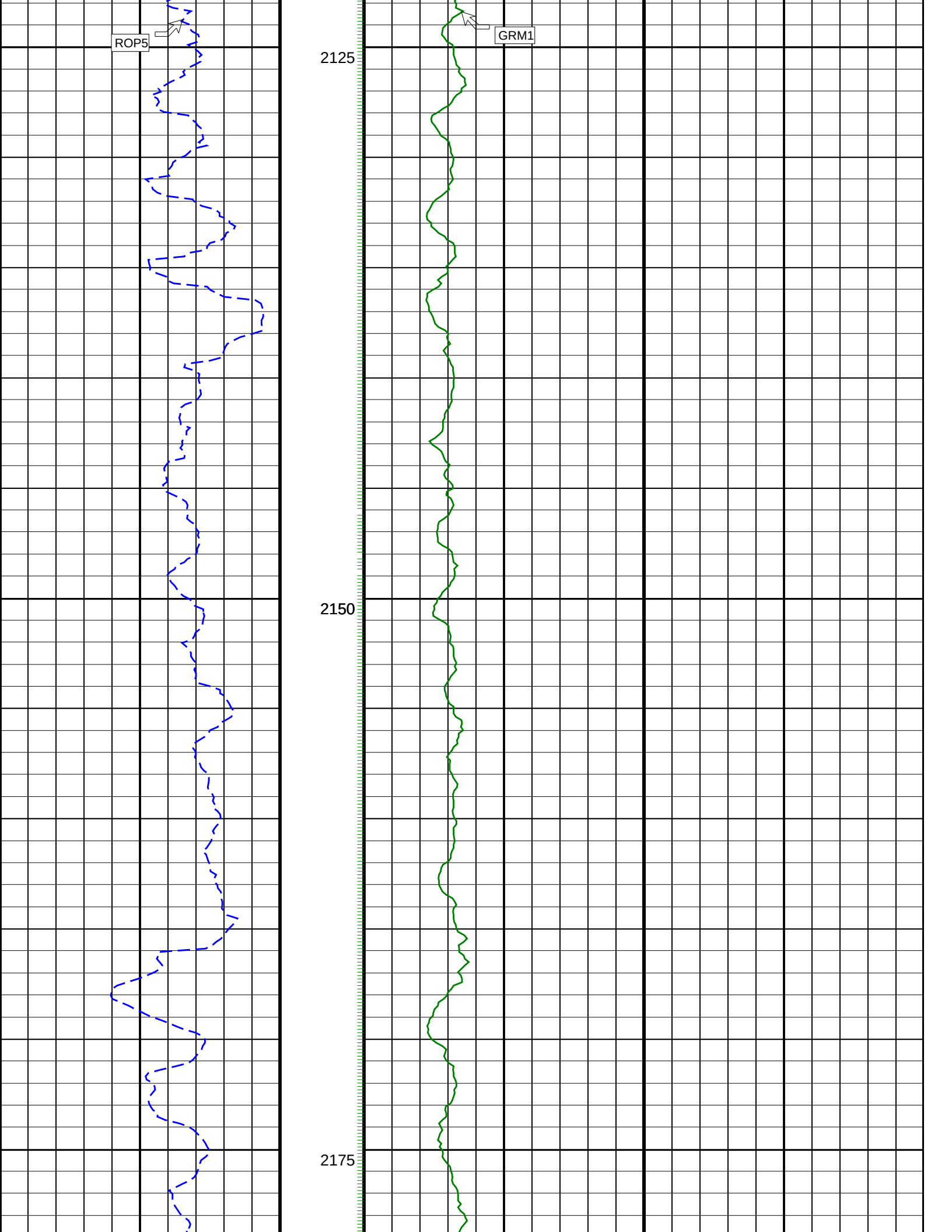
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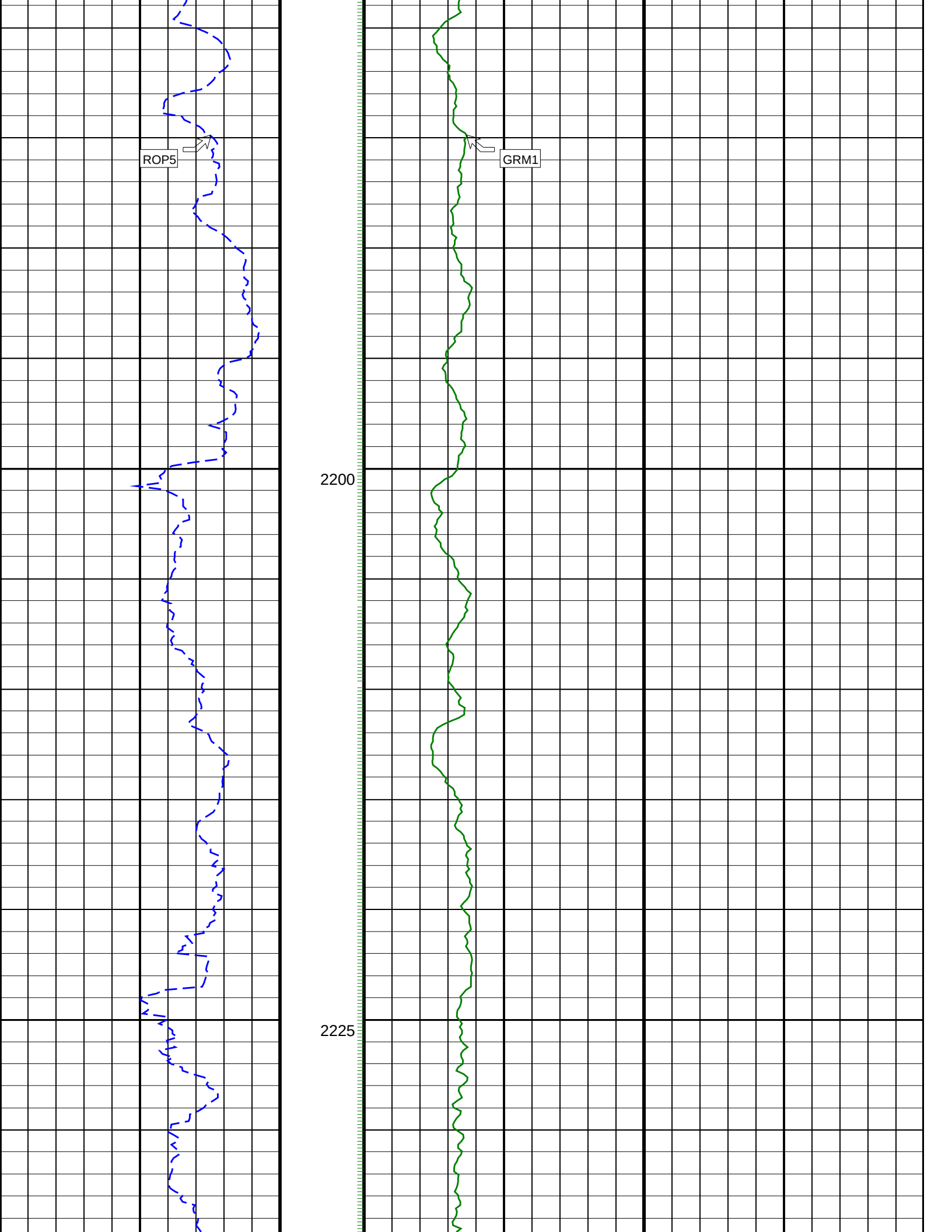
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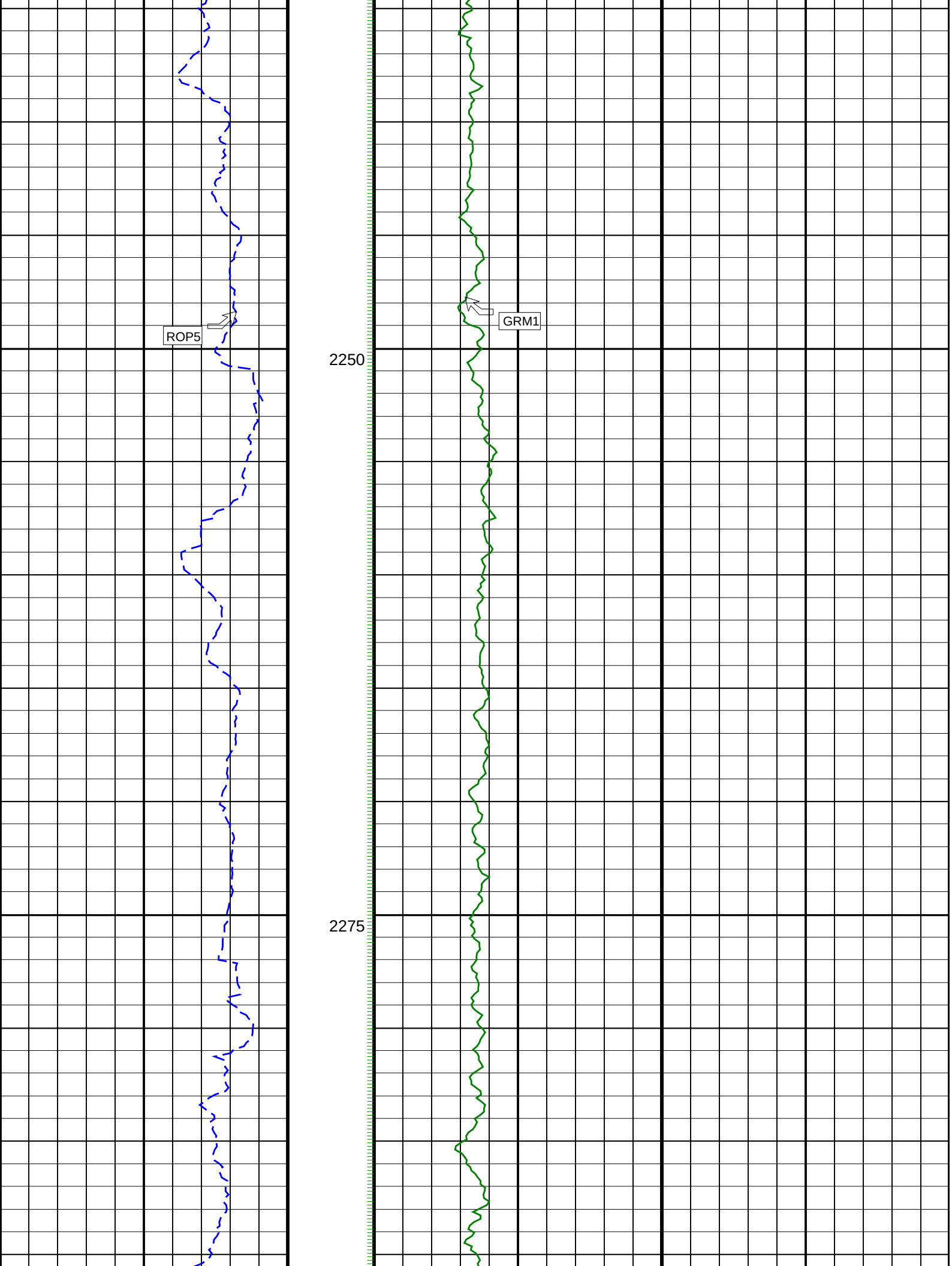
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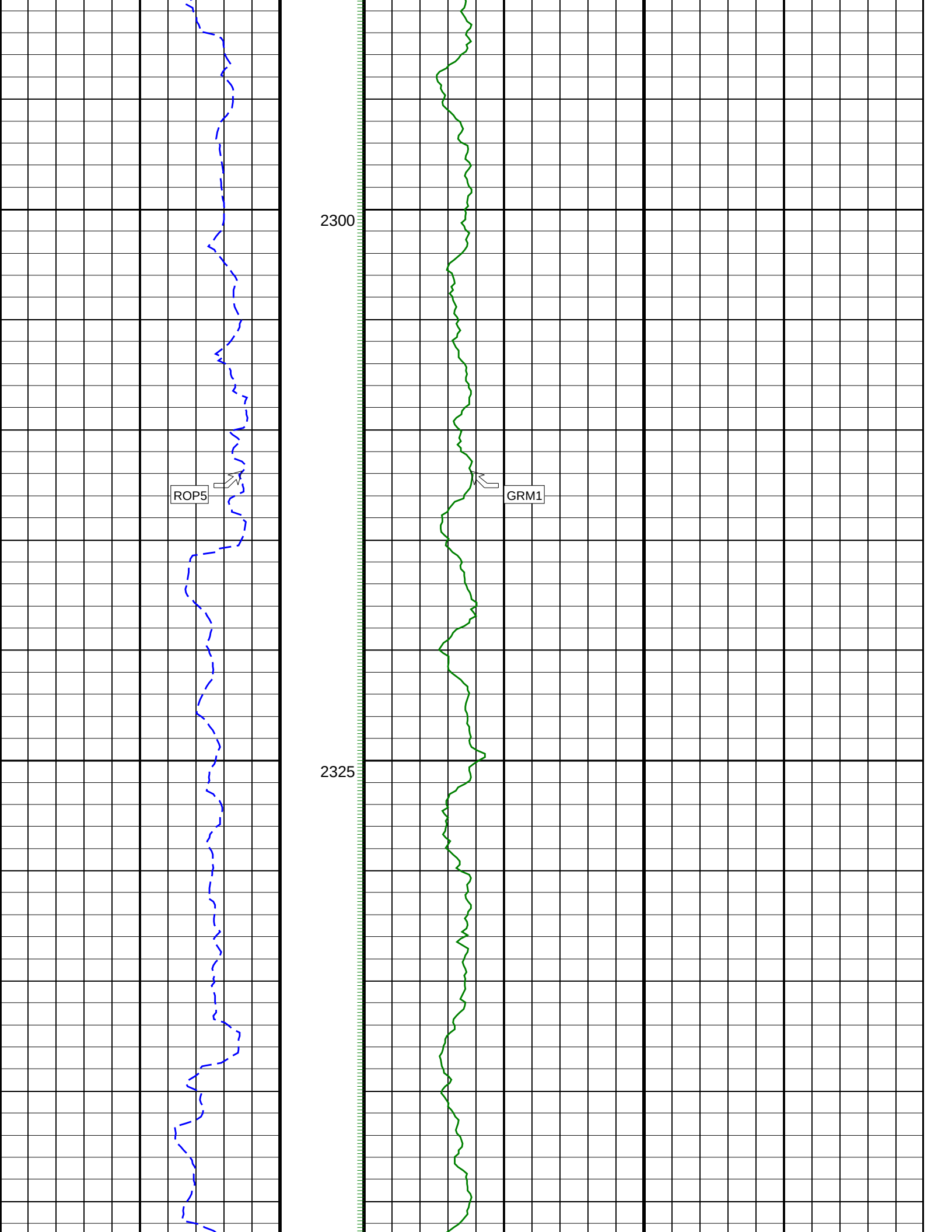
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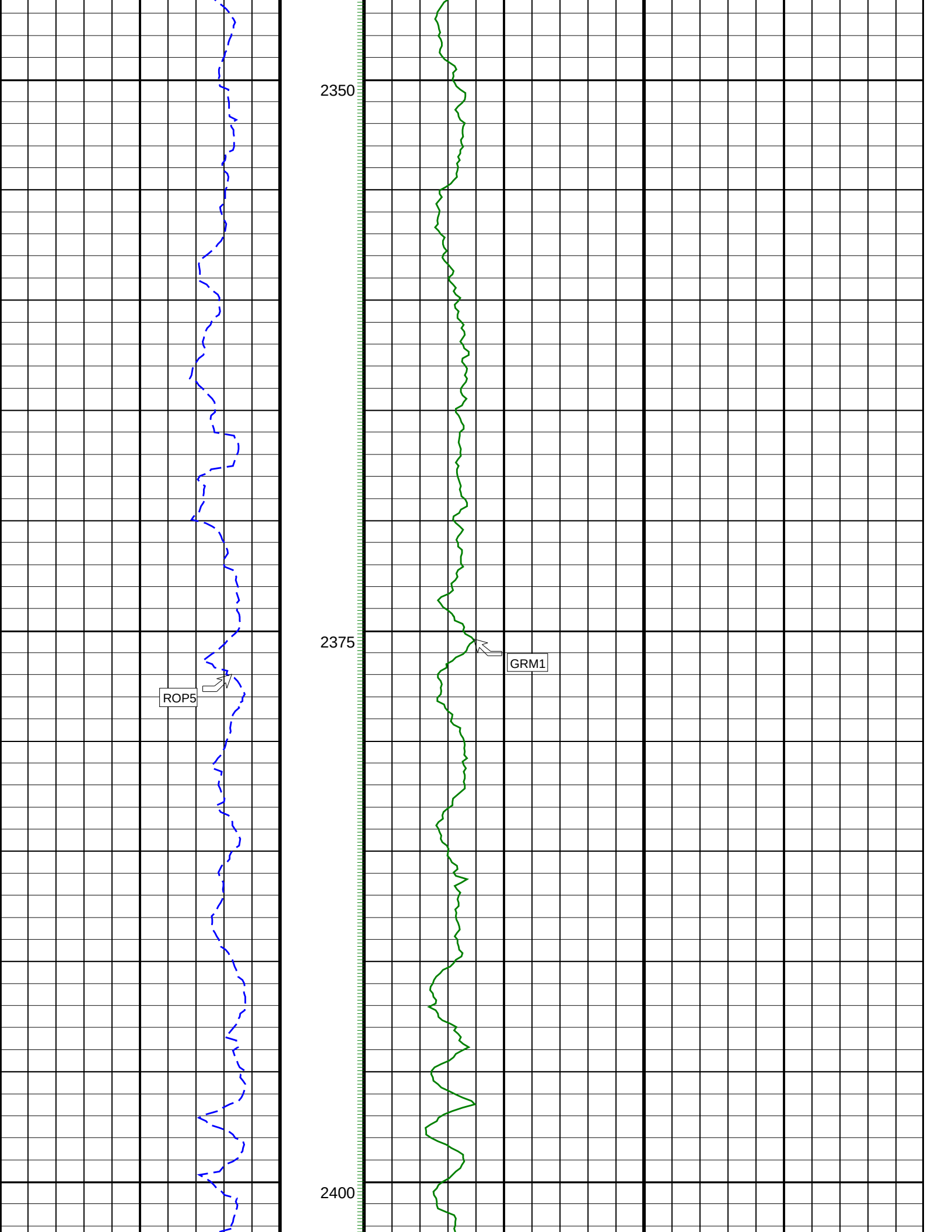
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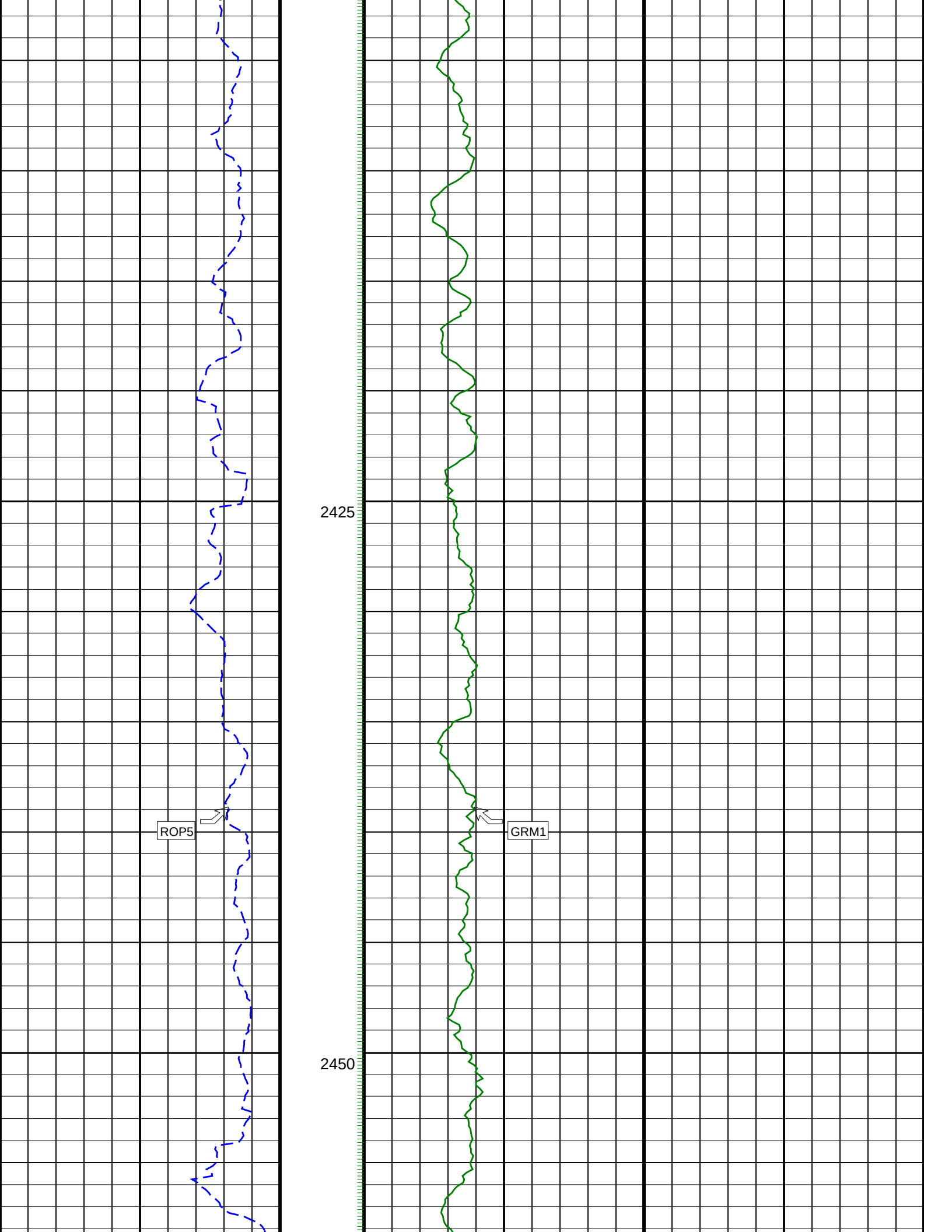
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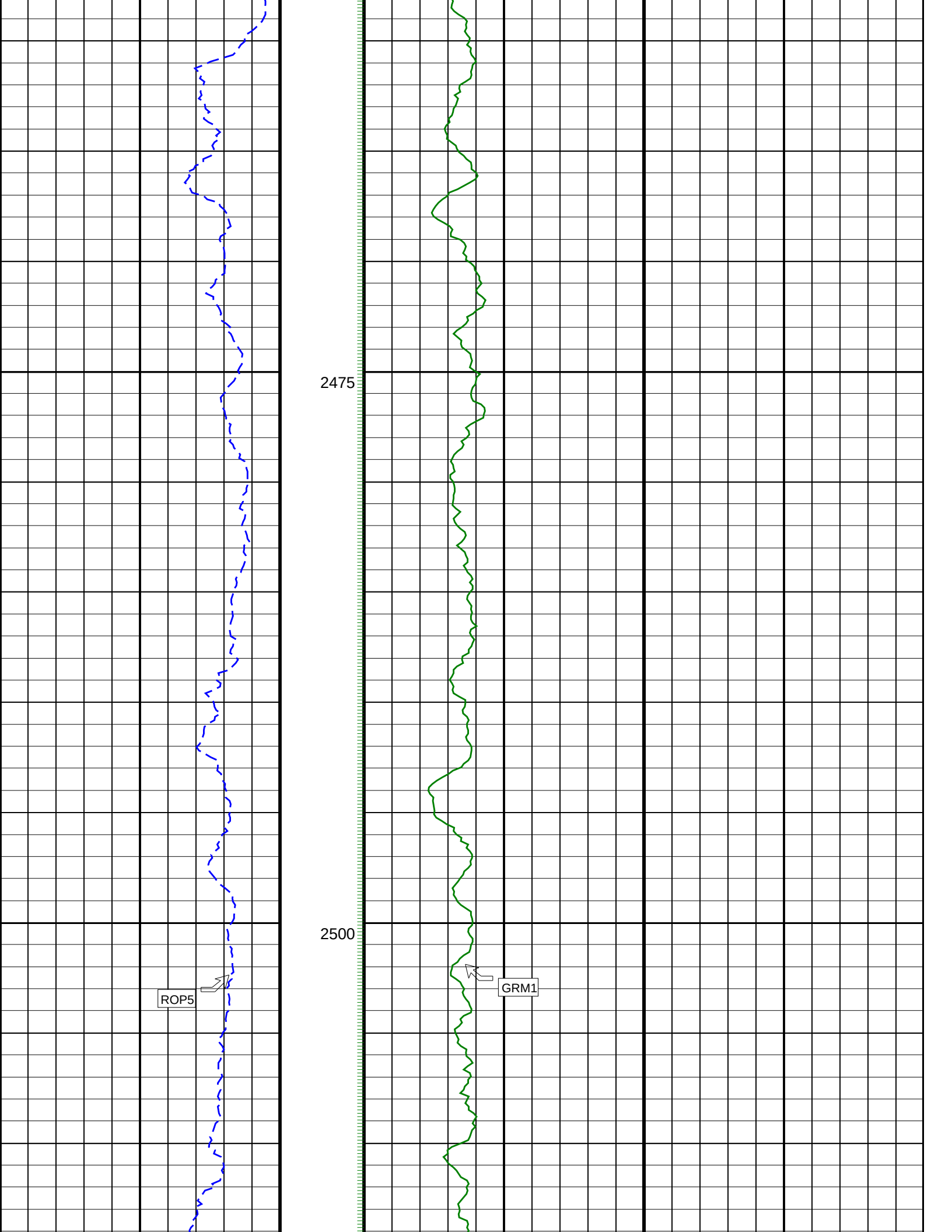
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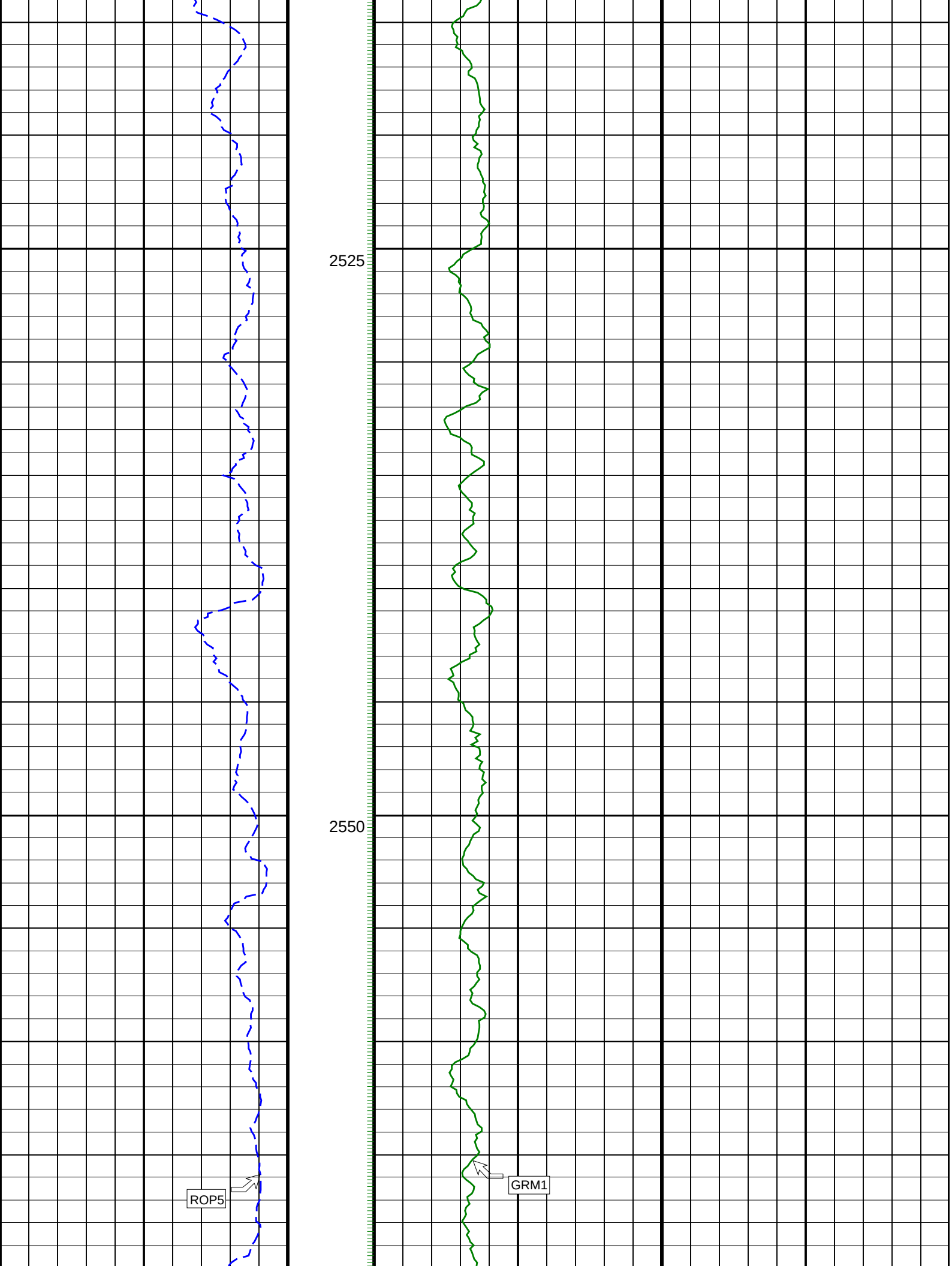
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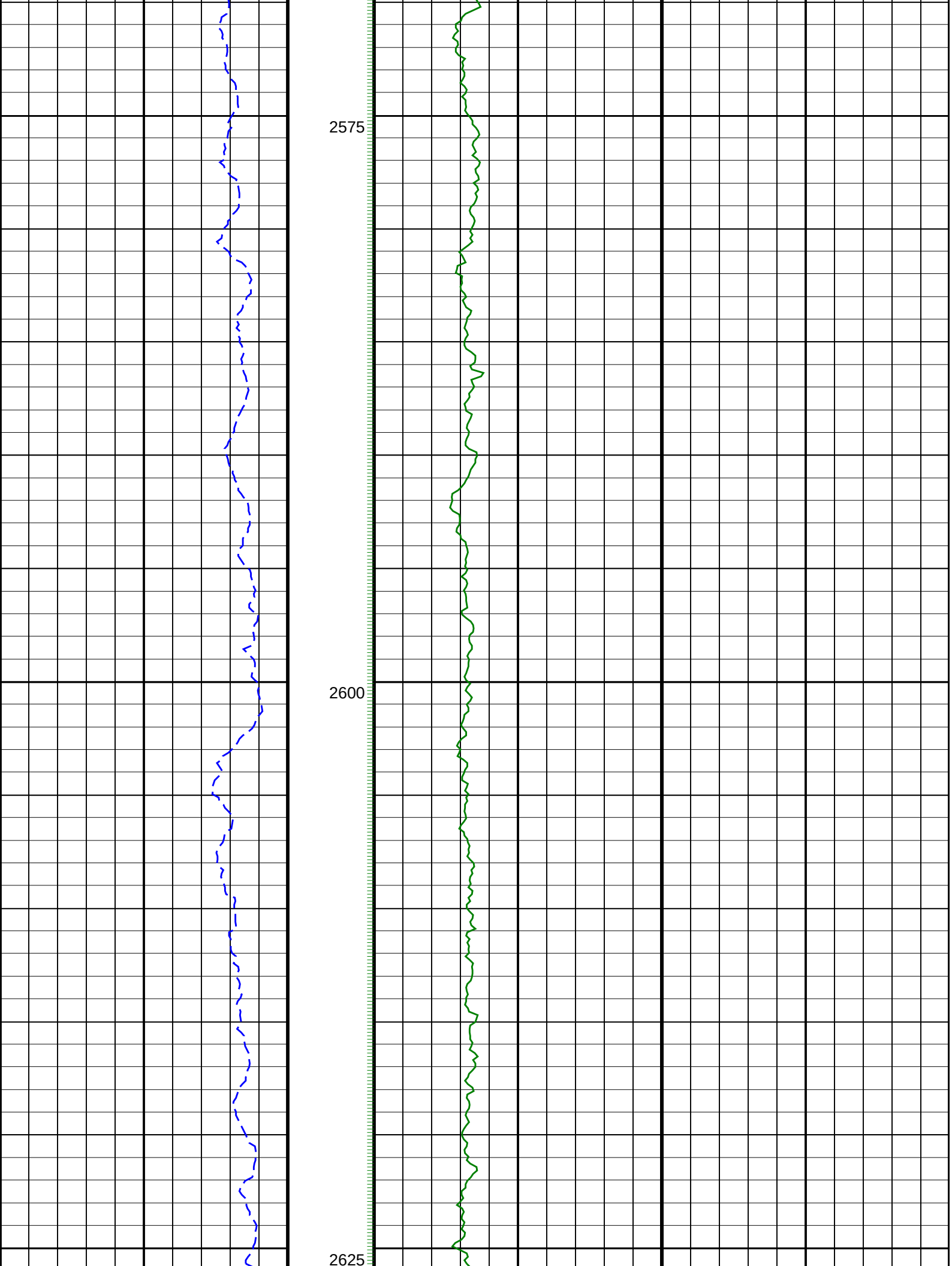
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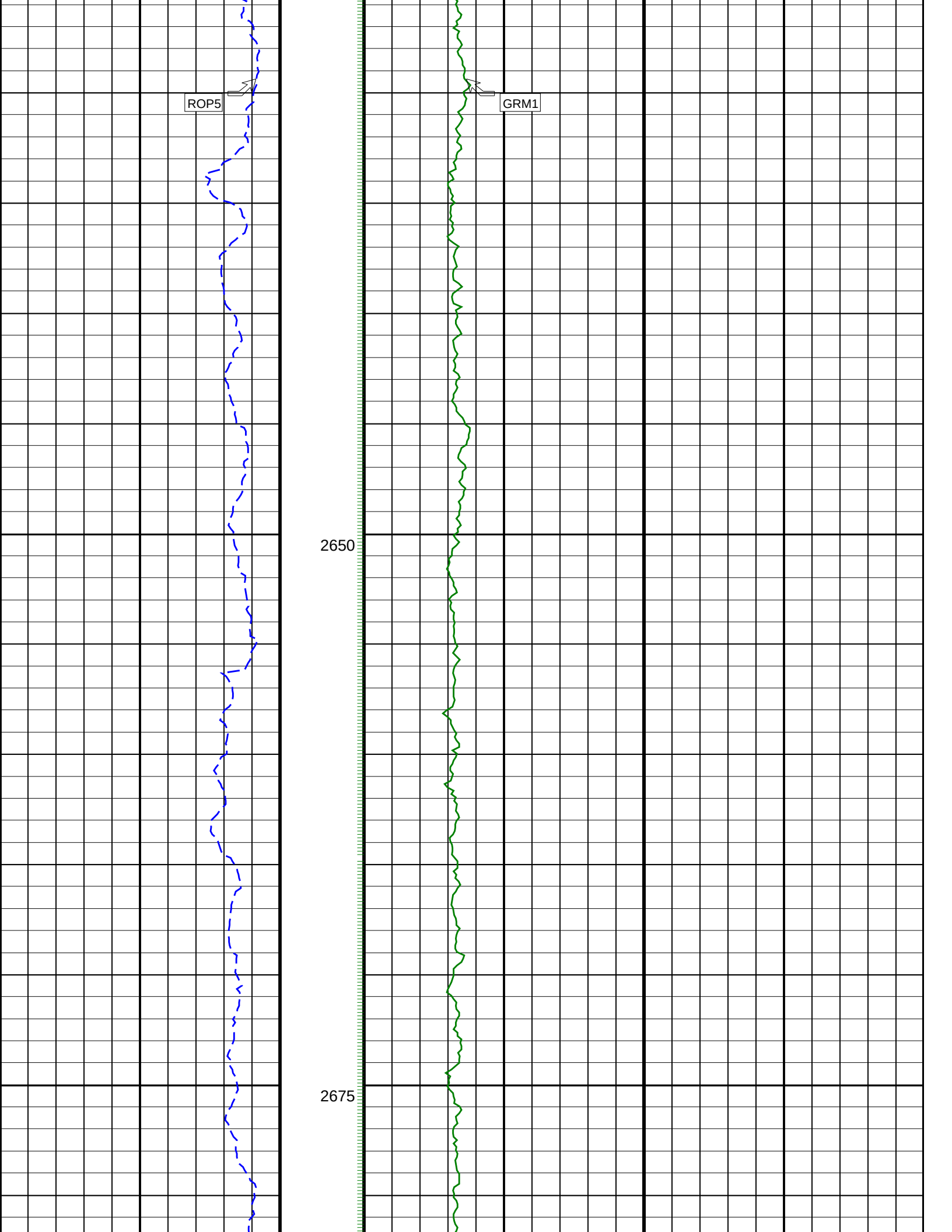
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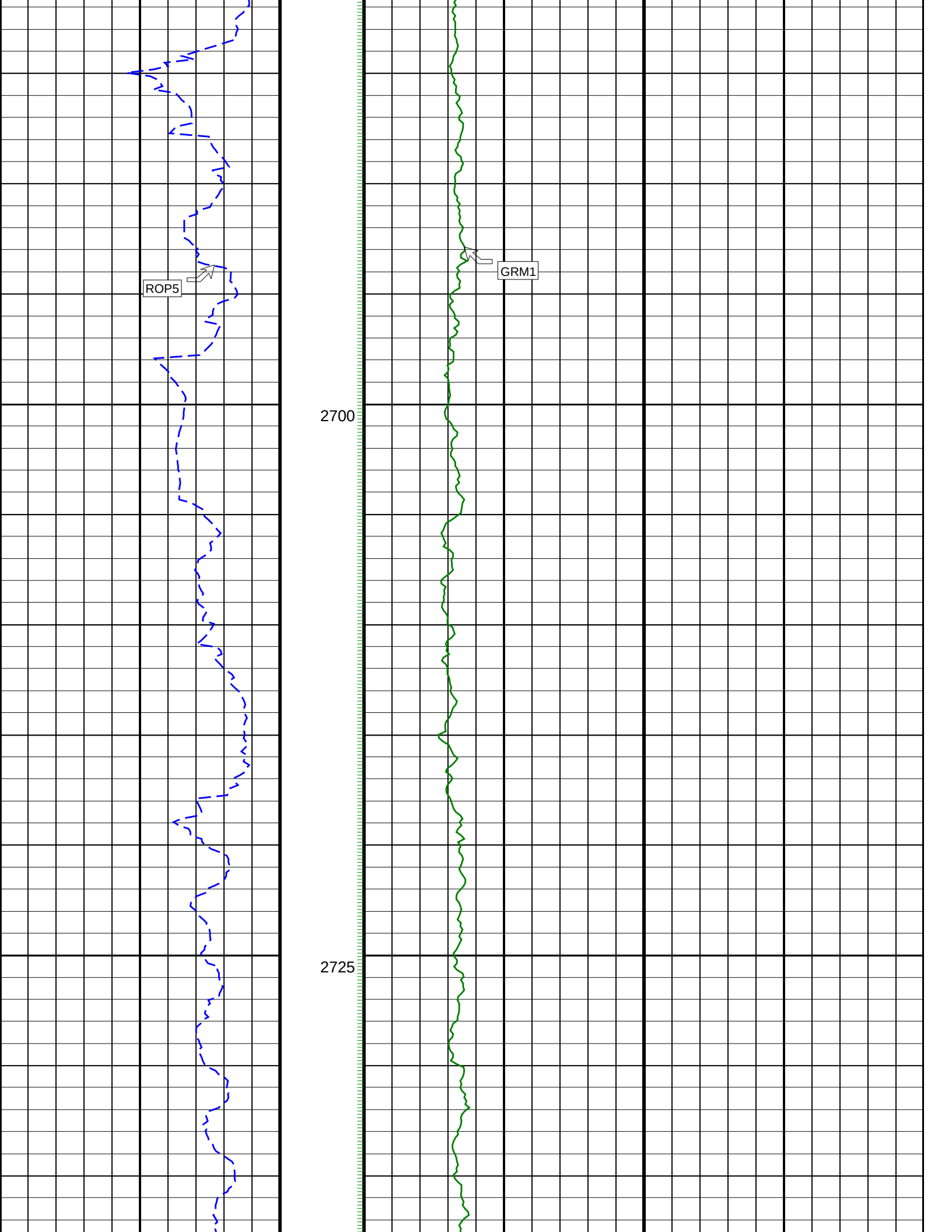
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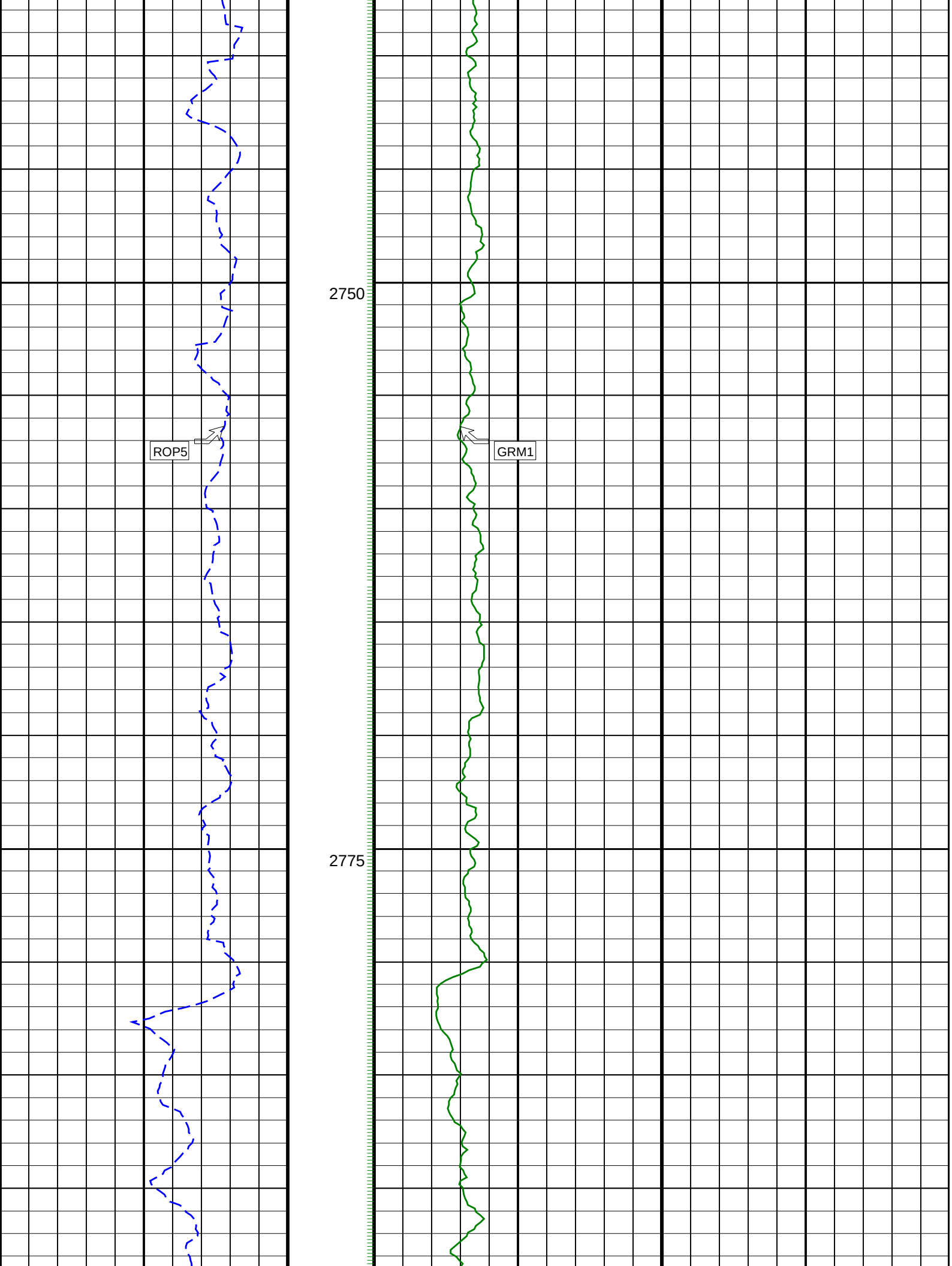
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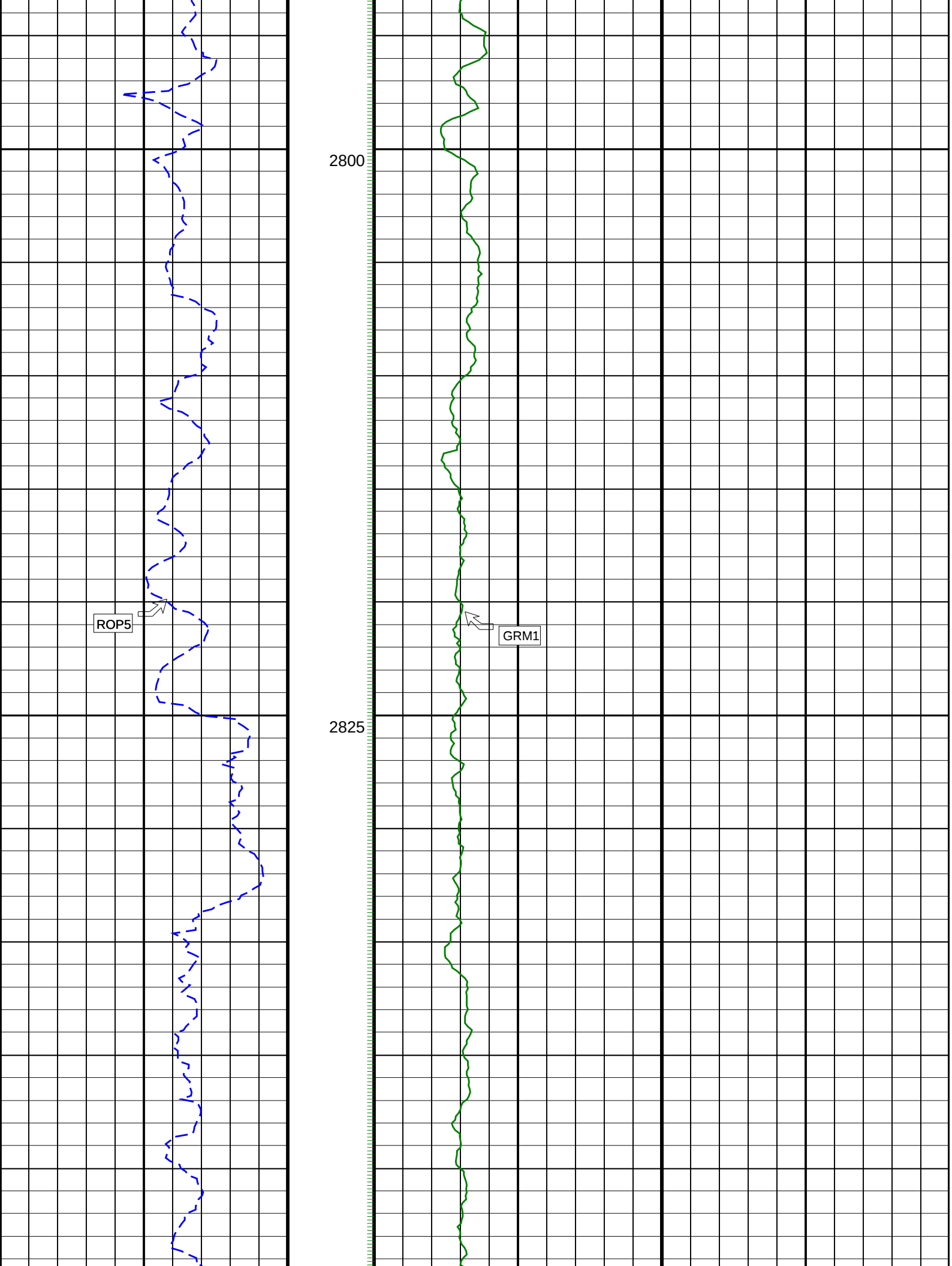
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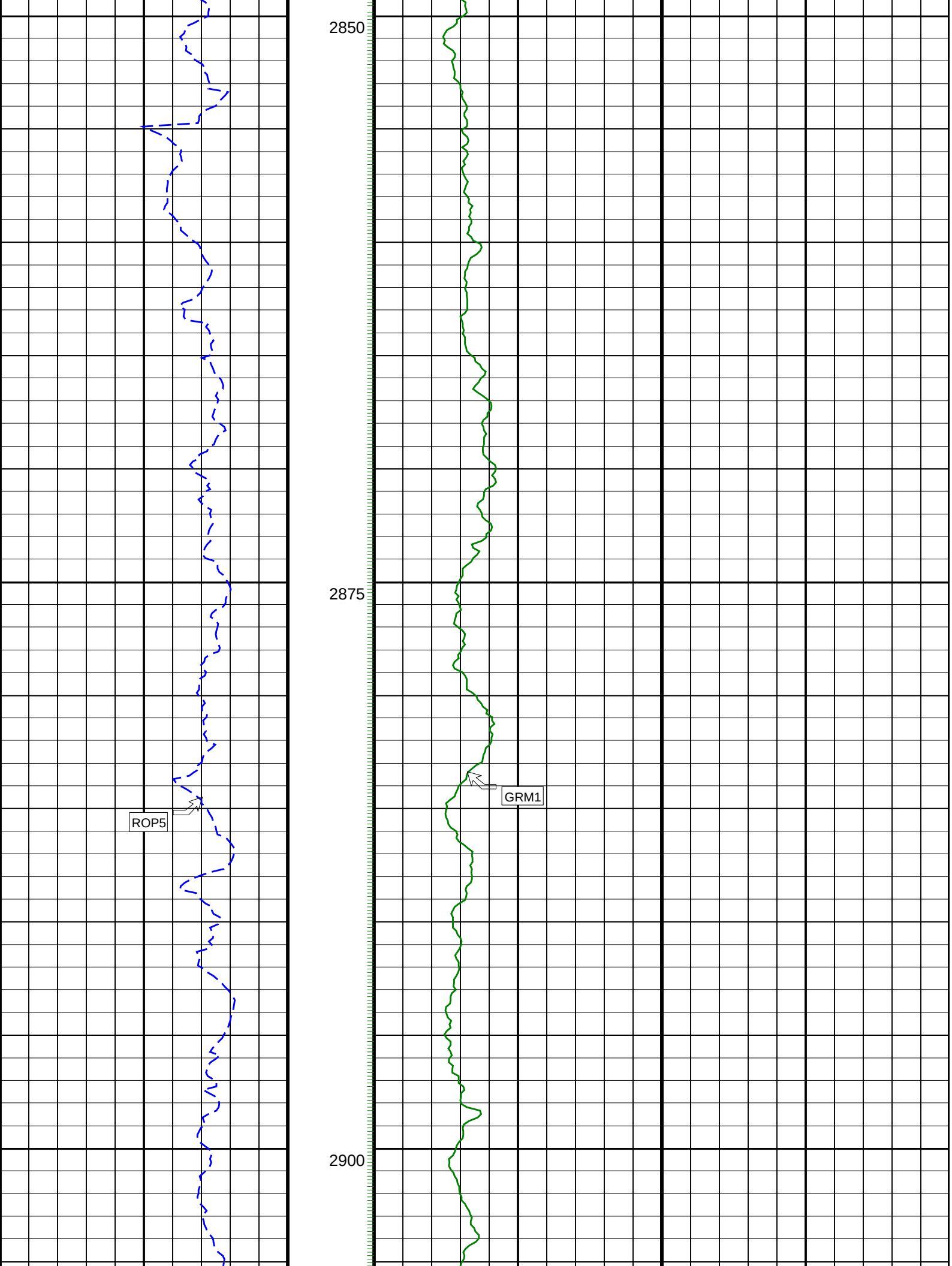
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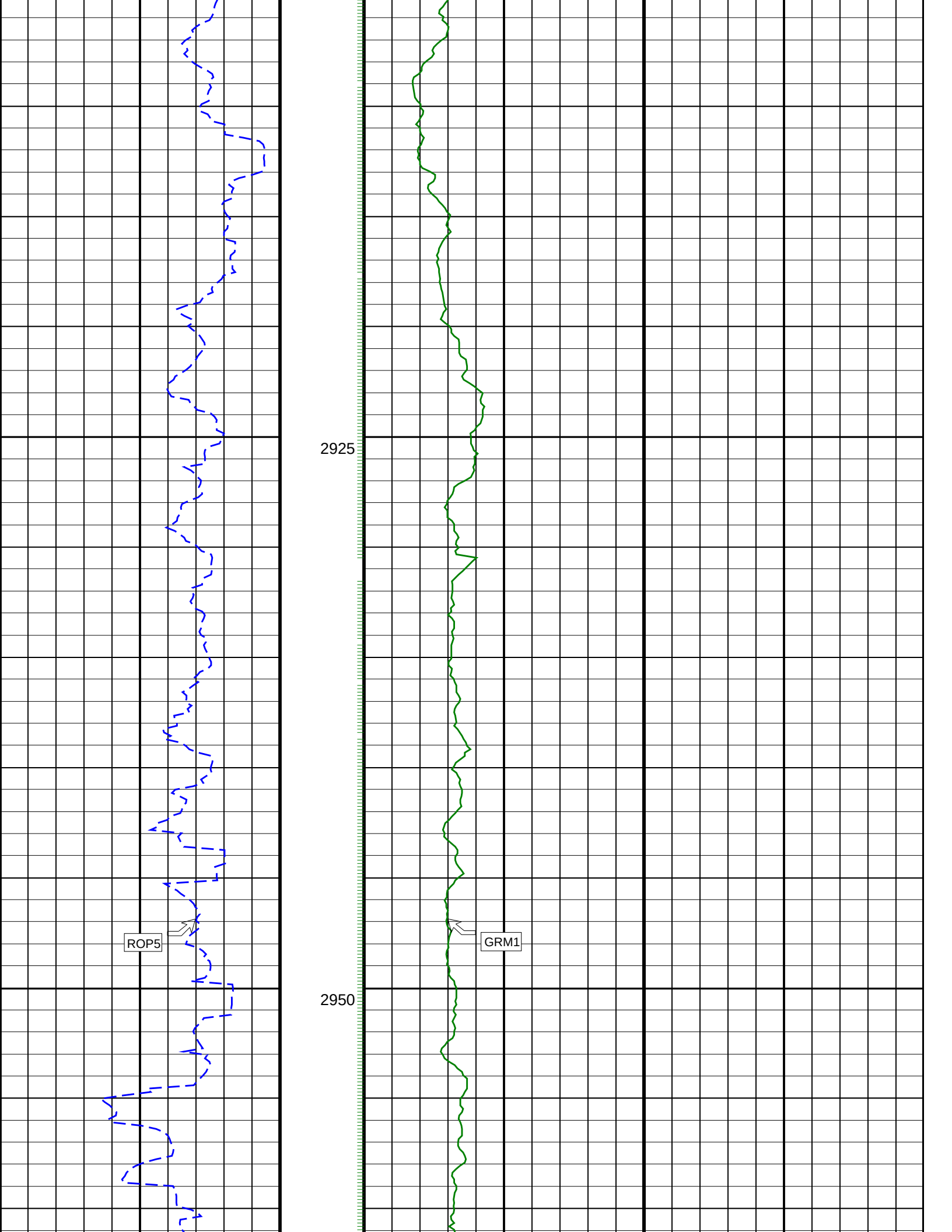
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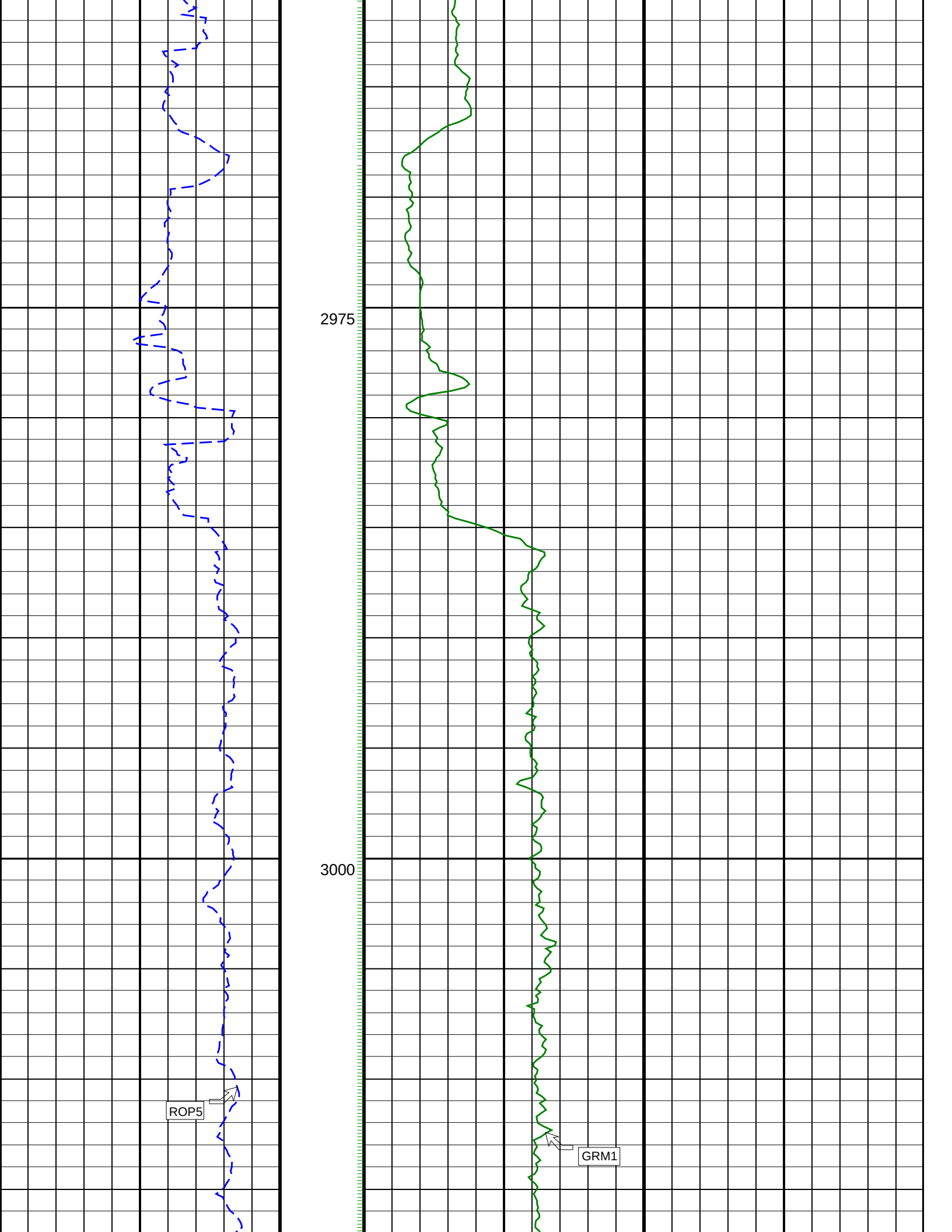
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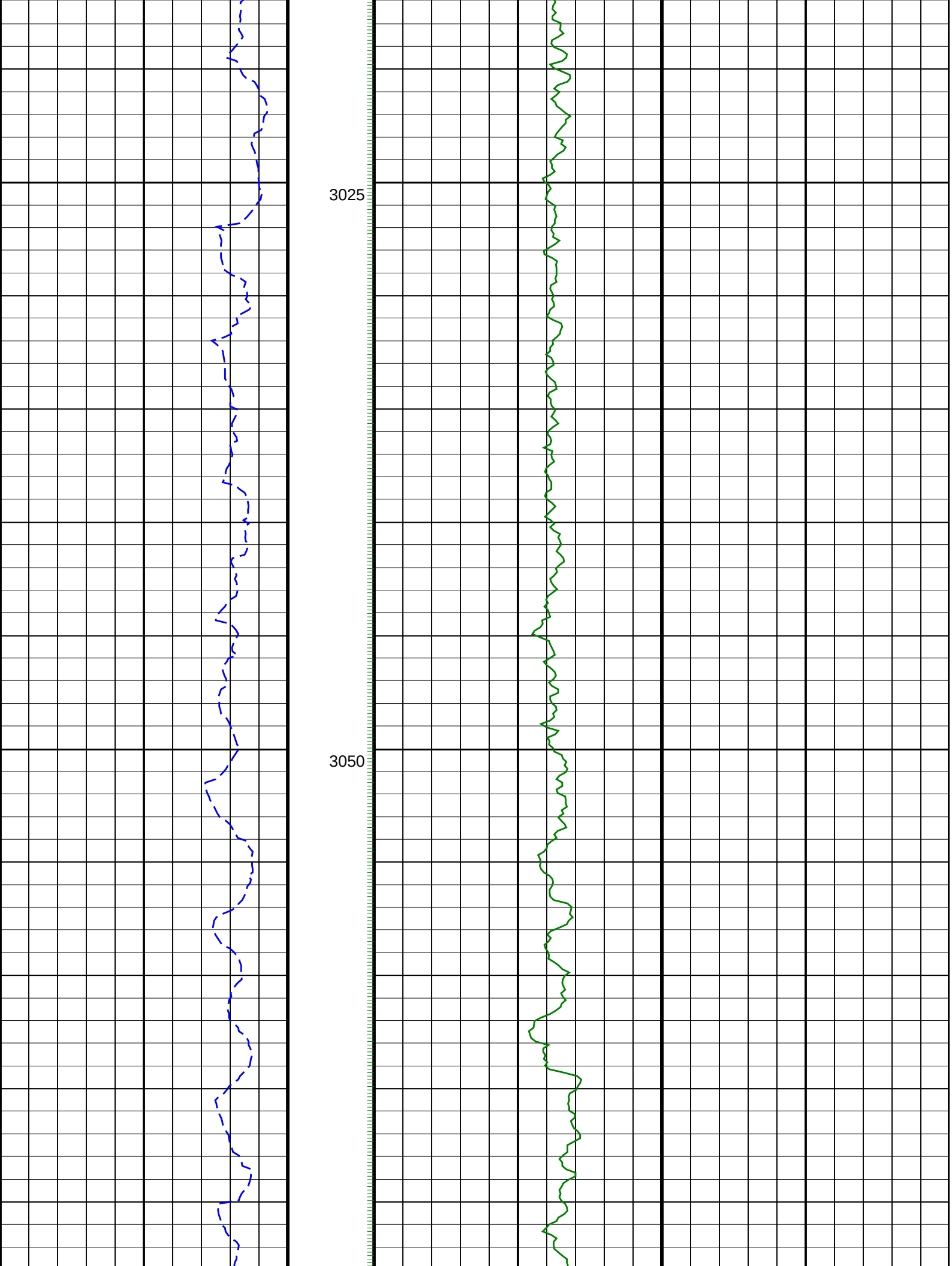
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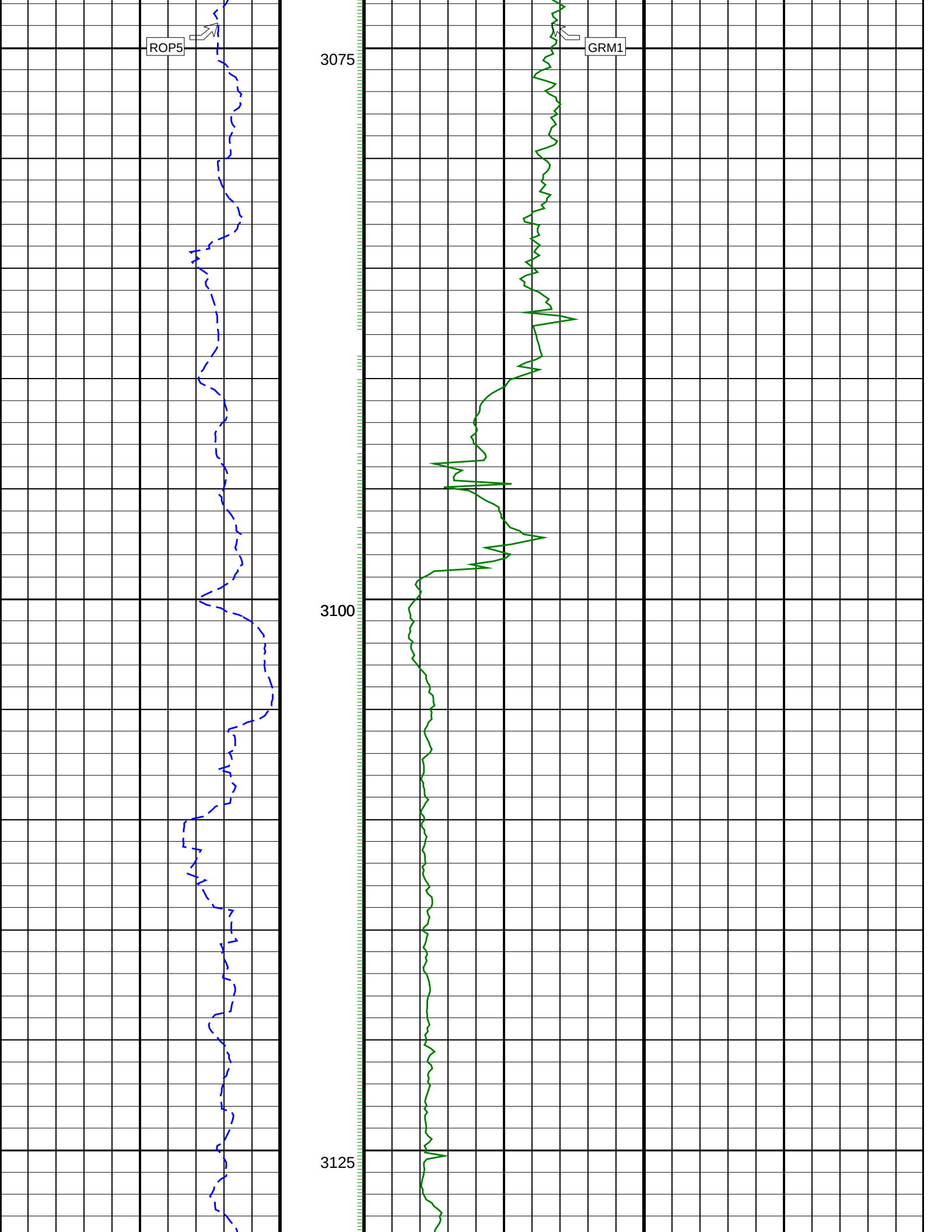
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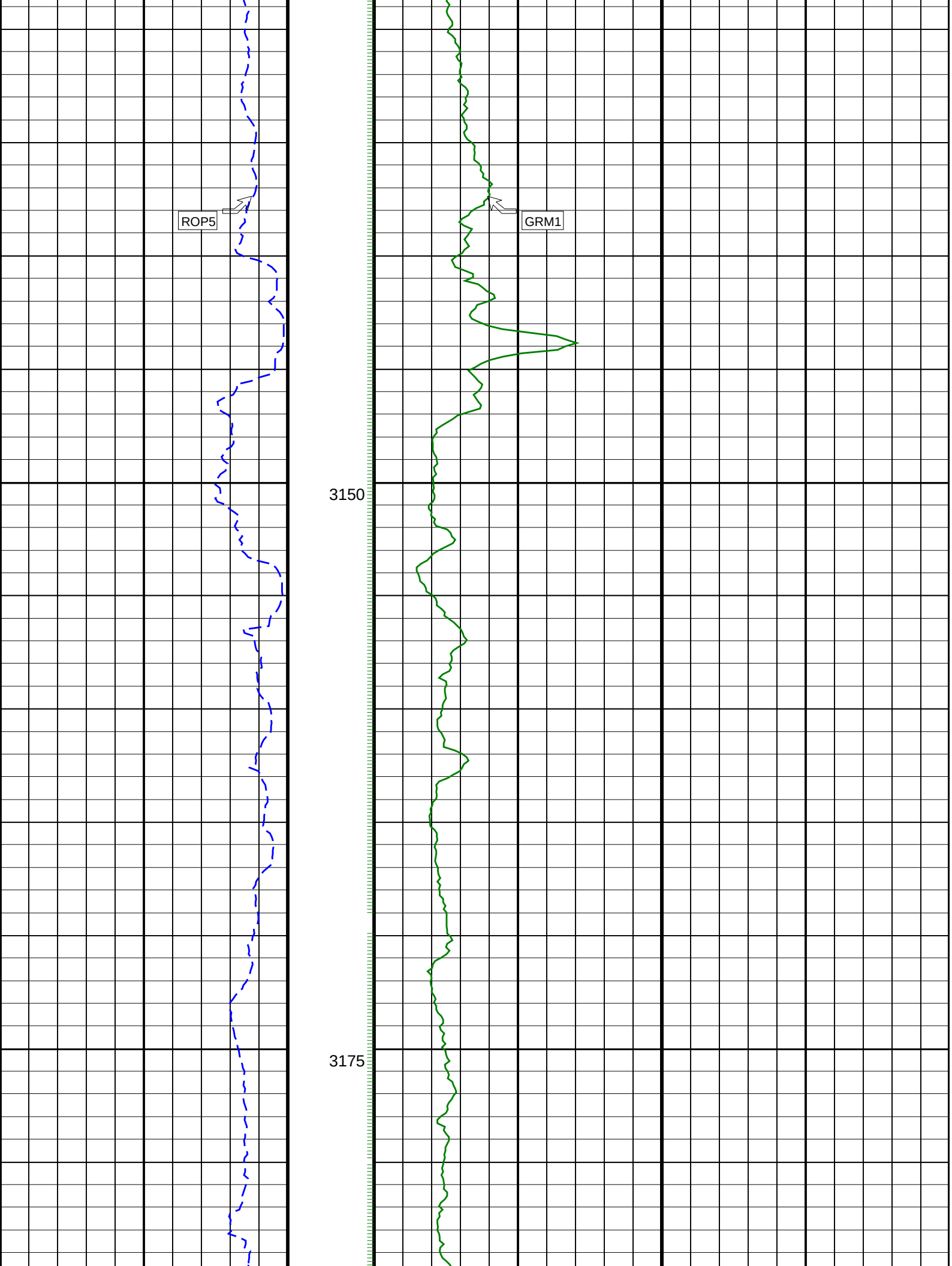
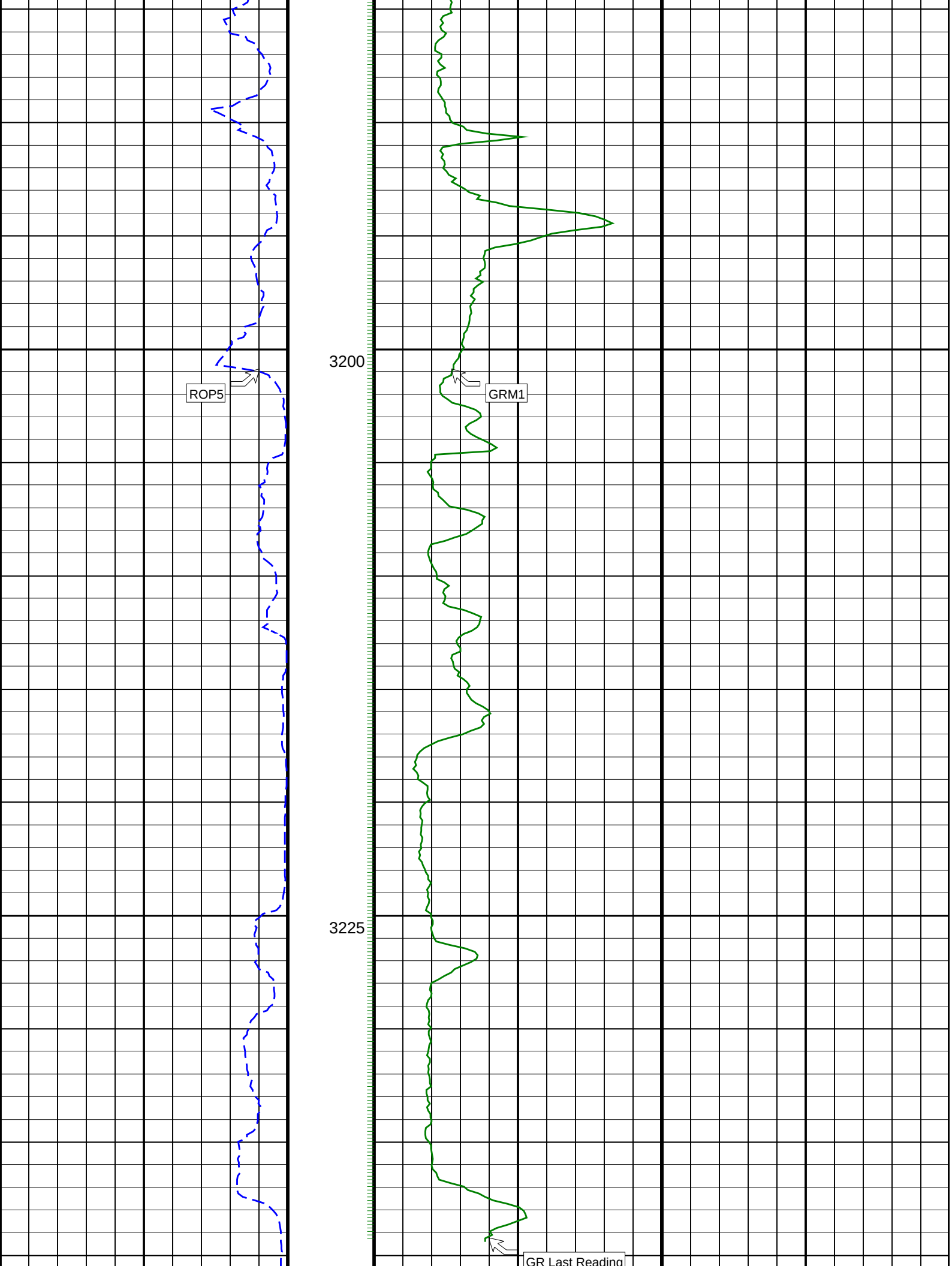
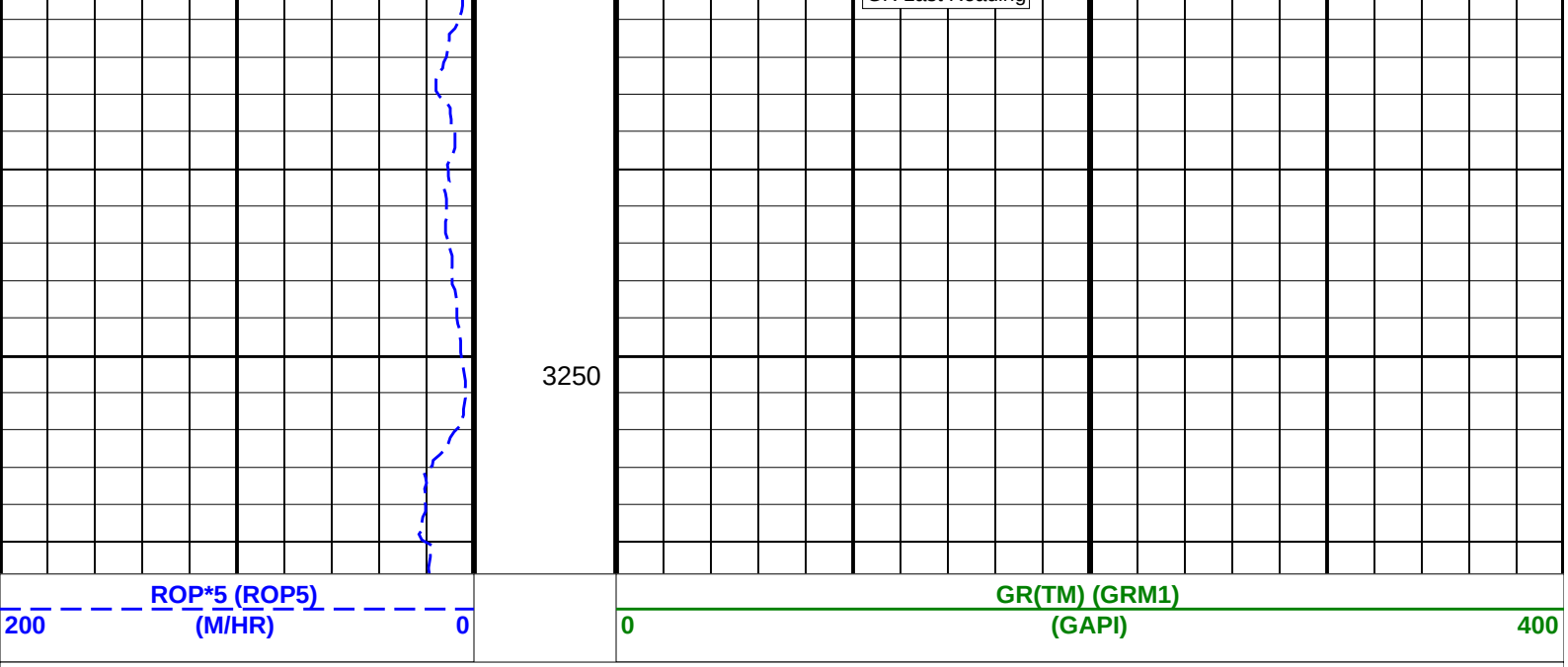
3100
3125


ROP5
GRM1
3150
3175


3200
3225
ROP5
GRM1
GR Last Reading




**PIP SUMMARY**

**GR(TM) PIP**

SCHLUMBERGER

Survey report 12-Feb-2006 21:25:04 Page 1 of 4

Client.....: ESSO Australia Pty. Ltd.
Field.....: Bream A

Well.....: BMA A6A
API number.....:
Engineer.....: L. Johnston/ B. Pattarakorn

Rig:.....: ISDL 453
State:.....: Victoria

Spud date.....: 1-Feb-06
Last survey date.....: 12-Feb-06
Total accepted surveys...: 86
MD of first survey.....: 852.58 m
MD of last survey.....: 3256.00 m

----- Survey calculation methods-----
Method for positions.....: Minimum curvature
Method for DLS.....: Mason & Taylor

----- Depth reference -----
Permanent datum.....: Mean Sea Level
Depth reference.....: Driller's Depth
GL above permanent.....: -59.40 m
KB above permanent.....: Top Drive
DF above permanent.....: 32.82 m

----- Vertical section origin-----
Latitude (+N/S-).....: -0.97 m
Departure (+E/W-).....: 10.62 m

Azimuth from Vsect Origin to target: 131.68 degrees

----- Geomagnetic data -----
Magnetic model.....: BGGM version 2005
Magnetic date.....: 31-Jan-2006
Magnetic field strength..: 1202.69 HCNT
Magnetic dec (+E/W-).....: 13.07 degrees
Magnetic dip.....: -69.04 degrees

----- MWD survey Reference Criteria ---
Reference G.....: 1000.05 mGal
Reference H.....: 1202.69 HCNT
Reference Dip.....: -69.04 degrees
Tolerance of G.....: (+/-) 2.50 mGal
Tolerance of H.....: (+/-) 6.00 HCNT
Tolerance of Dip.....: (+/-) 0.45 degrees

----- Corrections -----
Magnetic dec (+E/W-).....: 13.07 degrees
Grid convergence (+E/W-).: -0.48 degrees
Total az corr (+E/W-)....: 13.55 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




| 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/ 100f) | Srvy tool type | Tool Corr (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 855.00 | 22.13 | 38.44 | 0.00 | 807.97 | -28.29 | 199.01 | 150.79 | 249.69 | 37.15 | 0.00 | TIP | None |
| 2 | 881.48 | 18.78 | 55.18 | 26.48 | 832.80 | -27.58 | 205.36 | 157.40 | 258.74 | 37.47 | 7.72 | MWD | None |
| 3 | 910.21 | 18.78 | 69.84 | 28.73 | 860.01 | -24.31 | 209.59 | 165.54 | 267.08 | 38.30 | 4.99 | MWD | None |
| 4 | 938.83 | 20.33 | 77.43 | 28.62 | 886.99 | -19.23 | 212.26 | 174.72 | 274.92 | 39.46 | 3.17 | MWD | None |
| 5 | 967.54 | 20.08 | 85.18 | 28.71 | 913.93 | -12.93 | 213.76 | 184.50 | 282.37 | 40.80 | 2.85 | MWD | None |
| 6 | 996.45 | 20.83 | 93.13 | 28.91 | 941.03 | -5.49 | 213.90 | 194.58 | 289.16 | 42.29 | 3.03 | MWD | None |
| 7 | 1025.13 | 23.00 | 97.88 | 28.68 | 967.64 | 3.16 | 212.85 | 205.22 | 295.67 | 43.95 | 2.98 | MWD | None |
| 8 | 1053.95 | 26.13 | 102.74 | 28.82 | 993.85 | 13.39 | 210.68 | 217.00 | 302.45 | 45.85 | 3.94 | MWD | None |
| 9 | 1082.41 | 28.28 | 109.02 | 28.46 | 1019.16 | 25.10 | 207.10 | 229.49 | 309.12 | 47.94 | 3.84 | MWD | None |
| 10 | 1111.11 | 30.81 | 115.02 | 28.70 | 1044.13 | 38.42 | 201.78 | 242.58 | 315.53 | 50.25 | 4.13 | MWD | None |
| 11 | 1139.28 | 34.11 | 120.35 | 28.17 | 1067.90 | 53.09 | 194.73 | 255.94 | 321.60 | 52.73 | 4.72 | MWD | None |
| 12 | 1168.44 | 38.85 | 125.48 | 29.16 | 1091.35 | 70.21 | 185.28 | 270.45 | 327.83 | 55.59 | 5.89 | 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/ 100f) | Srvy tool type | Tool Corr (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 1168.44 | 56.85 | 125.46 | 29.16 | 1091.55 | 70.21 | 185.28 | 270.45 | 327.85 | 55.59 | 3.89 | MWD | None |
| 13 | 1197.36 | 43.23 | 127.94 | 28.92 | 1113.16 | 89.12 | 173.92 | 285.66 | 334.44 | 58.67 | 4.92 | MWD | None |
| 14 | 1226.15 | 47.11 | 129.25 | 28.79 | 1133.45 | 109.50 | 161.18 | 301.61 | 341.98 | 61.88 | 4.22 | MWD | None |
| 15 | 1254.76 | 50.44 | 130.82 | 28.61 | 1152.30 | 131.01 | 147.34 | 318.08 | 350.54 | 65.15 | 3.76 | MWD | None |
| 16 | 1283.33 | 53.02 | 132.06 | 28.57 | 1170.00 | 153.44 | 132.49 | 334.89 | 360.14 | 68.41 | 2.94 | MWD | None |
| 17 | 1311.72 | 55.20 | 133.75 | 28.39 | 1186.64 | 176.43 | 116.83 | 351.73 | 370.62 | 71.63 | 2.76 | MWD | None |
| 18 | 1340.66 | 57.84 | 135.42 | 28.94 | 1202.61 | 200.53 | 99.89 | 368.91 | 382.20 | 74.85 | 3.14 | MWD | None |
| 19 | 1368.90 | 60.92 | 137.54 | 28.24 | 1216.99 | 224.74 | 82.26 | 385.64 | 394.32 | 77.96 | 3.86 | MWD | None |
| 20 | 1397.94 | 64.27 | 139.51 | 29.04 | 1230.35 | 250.34 | 62.95 | 402.71 | 407.59 | 81.12 | 3.97 | MWD | None |
| 21 | 1426.45 | 64.06 | 140.07 | 28.51 | 1242.78 | 275.74 | 43.35 | 419.27 | 421.51 | 84.10 | 0.58 | MWD | None |
| 22 | 1455.43 | 64.16 | 140.75 | 28.98 | 1255.43 | 301.51 | 23.26 | 435.89 | 436.51 | 86.95 | 0.65 | MWD | None |
| 23 | 1484.13 | 65.48 | 142.60 | 28.70 | 1267.64 | 327.08 | 2.88 | 451.99 | 452.00 | 89.63 | 2.26 | MWD | None |
| 24 | 1511.98 | 67.02 | 143.27 | 27.85 | 1278.86 | 352.08 | -17.46 | 467.35 | 467.68 | 92.14 | 1.81 | MWD | None |
| 25 | 1541.35 | 66.02 | 143.55 | 29.37 | 1290.56 | 378.46 | -39.09 | 483.41 | 484.99 | 94.62 | 1.07 | MWD | None |
| 26 | 1570.07 | 66.51 | 143.32 | 28.72 | 1302.12 | 404.20 | -60.20 | 499.07 | 502.69 | 96.88 | 0.57 | MWD | None |
| 27 | 1598.78 | 65.51 | 143.66 | 28.71 | 1313.79 | 429.87 | -81.29 | 514.68 | 521.06 | 98.97 | 1.11 | MWD | None |
| 28 | 1627.50 | 66.46 | 143.22 | 28.72 | 1325.48 | 455.56 | -102.36 | 530.30 | 540.09 | 100.92 | 1.09 | MWD | None |
| 29 | 1656.24 | 68.20 | 142.15 | 28.74 | 1336.56 | 481.59 | -123.45 | 546.38 | 560.15 | 102.73 | 2.12 | MWD | None |
| 30 | 1685.21 | 67.65 | 141.97 | 28.97 | 1347.45 | 507.99 | -144.62 | 562.89 | 581.17 | 104.41 | 0.60 | 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/ 100f) | Srvy tool type | Tool Corr (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 31 | 1713.71 | 66.62 | 142.15 | 28.50 | 1358.52 | 533.82 | -165.33 | 579.03 | 602.17 | 105.94 | 1.12 | MWD | None |
| 32 | 1742.37 | 65.58 | 141.77 | 28.66 | 1370.13 | 559.61 | -185.97 | 595.18 | 623.55 | 107.35 | 1.17 | MWD | None |
| 33 | 1771.02 | 66.71 | 141.83 | 28.65 | 1381.72 | 585.40 | -206.56 | 611.38 | 645.33 | 108.67 | 1.20 | MWD | None |
| 34 | 1799.85 | 66.10 | 141.87 | 28.83 | 1393.26 | 611.40 | -227.33 | 627.70 | 667.60 | 109.91 | 0.65 | MWD | None |
| 35 | 1828.44 | 66.44 | 140.68 | 28.59 | 1404.76 | 637.21 | -247.75 | 644.08 | 690.08 | 111.04 | 1.22 | MWD | None |
| 36 | 1857.37 | 65.55 | 140.51 | 28.93 | 1416.53 | 663.32 | -268.17 | 660.85 | 713.19 | 112.09 | 0.95 | MWD | None |
| 37 | 1885.96 | 64.70 | 140.40 | 28.59 | 1428.56 | 688.95 | -288.17 | 677.37 | 736.12 | 113.05 | 0.91 | MWD | None |
| 38 | 1914.62 | 64.16 | 140.81 | 28.66 | 1440.93 | 714.49 | -308.15 | 693.77 | 759.13 | 113.95 | 0.70 | MWD | None |
| 39 | 1943.46 | 63.94 | 141.25 | 28.84 | 1453.55 | 740.08 | -328.31 | 710.08 | 782.31 | 114.81 | 0.48 | MWD | None |
| 40 | 1972.06 | 64.86 | 141.60 | 28.60 | 1465.91 | 765.50 | -348.48 | 726.16 | 805.45 | 115.64 | 1.04 | MWD | None |
| 41 | 2000.68 | 65.73 | 142.18 | 28.62 | 1477.87 | 791.09 | -368.93 | 742.21 | 828.85 | 116.43 | 1.08 | MWD | None |
| 42 | 2029.25 | 66.36 | 142.54 | 28.57 | 1489.47 | 816.74 | -389.61 | 758.16 | 852.40 | 117.20 | 0.76 | MWD | None |
| 43 | 2058.02 | 67.04 | 142.41 | 28.77 | 1500.85 | 842.70 | -410.57 | 774.25 | 876.37 | 117.94 | 0.73 | MWD | None |
| 44 | 2086.64 | 66.46 | 142.89 | 28.62 | 1512.15 | 868.52 | -431.47 | 790.20 | 900.33 | 118.64 | 0.78 | MWD | None |
| 45 | 2115.53 | 65.55 | 142.90 | 28.89 | 1523.89 | 894.41 | -452.52 | 806.13 | 924.45 | 119.31 | 0.96 | MWD | None |
| 46 | 2144.17 | 66.81 | 142.63 | 28.64 | 1535.46 | 920.12 | -473.38 | 821.98 | 948.54 | 119.94 | 1.37 | MWD | None |
| 47 | 2172.93 | 66.02 | 142.94 | 28.76 | 1546.97 | 945.98 | -494.37 | 837.92 | 972.89 | 120.54 | 0.89 | MWD | None |
| 48 | 2201.71 | 67.06 | 142.31 | 28.78 | 1558.43 | 971.90 | -515.35 | 853.95 | 997.40 | 121.11 | 1.26 | MWD | None |
| **49** | **2230.49** | **66.02** | **142.54** | **28.78** | **1569.88** | **997.84** | **-536.27** | **870.05** | **1022.04** | **121.65** | **1.12** | **MWD** | **None** |
| **50** | **2259.36** | **67.28** | **142.77** | **28.87** | **1581.33** | **1023.86** | **-557.34** | **886.12** | **1046.83** | **122.17** | **1.35** | **MWD** | **None** |
| 51 | 2287.95 | 66.49 | 142.90 | 28.59 | 1592.55 | 1049.66 | -578.30 | 902.01 | 1071.47 | 122.66 | 0.85 | MWD | None |
| 52 | 2317.02 | 67.71 | 142.78 | 29.07 | 1603.86 | 1075.93 | -599.64 | 918.18 | 1096.64 | 123.15 | 1.28 | MWD | None |
| 53 | 2345.67 | 66.69 | 142.94 | 28.65 | 1614.96 | 1101.84 | -620.69 | 934.13 | 1121.54 | 123.60 | 1.10 | MWD | None |
| 54 | 2374.43 | 65.89 | 142.90 | 28.76 | 1626.53 | 1127.67 | -641.70 | 950.01 | 1146.42 | 124.04 | 0.85 | MWD | None |
| 55 | 2403.15 | 65.42 | 143.10 | 28.72 | 1638.37 | 1153.32 | -662.60 | 965.75 | 1171.20 | 124.45 | 0.53 | MWD | None |
| 56 | 2432.09 | 64.65 | 142.95 | 28.94 | 1650.58 | 1179.05 | -683.56 | 981.53 | 1196.10 | 124.85 | 0.82 | MWD | None |
| 57 | 2461.14 | 65.00 | 142.89 | 29.05 | 1662.94 | 1204.83 | -704.53 | 997.39 | 1221.12 | 125.24 | 0.37 | MWD | None |
| 58 | 2489.80 | 66.75 | 142.15 | 28.66 | 1674.65 | 1230.52 | -725.29 | 1013.30 | 1246.12 | 125.59 | 1.99 | MWD | None |
| 59 | 2518.74 | 65.94 | 142.01 | 28.94 | 1686.26 | 1256.59 | -746.20 | 1029.59 | 1271.56 | 125.93 | 0.86 | MWD | None |
| 60 | 2547.55 | 65.46 | 142.02 | 28.81 | 1698.12 | 1282.42 | -766.89 | 1045.75 | 1296.81 | 126.25 | 0.51 | 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/ 100f) | Srvy tool type | Tool Corr (deg) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 61 | 2576.63 | 64.89 | 141.84 | 29.08 | 1710.33 | 1308.40 | -787.67 | 1062.03 | 1322.24 | 126.56 | 0.62 | MWD | None |
| 62 | 2605.56 | 65.50 | 141.77 | 28.93 | 1722.47 | 1334.25 | -808.31 | 1078.26 | 1347.60 | 126.86 | 0.65 | MWD | None |
| 63 | 2634.29 | 66.82 | 141.67 | 28.73 | 1734.08 | 1360.12 | -828.94 | 1094.54 | 1373.01 | 127.14 | 1.40 | MWD | None |
| 64 | 2660.88 | 66.24 | 141.89 | 26.59 | 1744.67 | 1384.14 | -848.10 | 1109.63 | 1396.62 | 127.39 | 0.70 | MWD | None |
| 65 | 2689.20 | 65.60 | 141.78 | 28.32 | 1756.22 | 1409.59 | -868.43 | 1125.61 | 1421.68 | 127.65 | 0.70 | MWD | None |
| 66 | 2718.44 | 67.23 | 142.44 | 29.24 | 1767.92 | 1435.94 | -889.57 | 1142.07 | 1447.64 | 127.92 | 1.81 | MWD | None |
| 67 | 2746.94 | 66.54 | 142.64 | 28.50 | 1779.11 | 1461.68 | -910.38 | 1158.01 | 1473.02 | 128.17 | 0.76 | MWD | None |
| 68 | 2775.66 | 65.76 | 142.26 | 28.72 | 1790.72 | 1487.49 | -931.21 | 1174.02 | 1498.49 | 128.42 | 0.91 | MWD | None |
| 69 | 2804.34 | 64.95 | 142.33 | 28.68 | 1802.68 | 1513.11 | -951.83 | 1189.96 | 1523.81 | 128.66 | 0.86 | MWD | None |
| 70 | 2832.94 | 66.35 | 142.38 | 28.60 | 1814.47 | 1538.71 | -972.46 | 1205.87 | 1549.13 | 128.88 | 1.49 | MWD | None |
| 71 | 2861.63 | 65.67 | 142.19 | 28.69 | 1826.14 | 1564.48 | -993.20 | 1221.91 | 1574.64 | 129.11 | 0.75 | MWD | None |
| 72 | 2890.41 | 65.13 | 142.02 | 28.78 | 1838.12 | 1590.21 | -1013.85 | 1237.98 | 1600.15 | 129.32 | 0.59 | MWD | None |
| 73 | 2918.90 | 66.35 | 141.65 | 28.49 | 1849.82 | 1615.78 | -1034.27 | 1254.03 | 1625.52 | 129.51 | 1.35 | MWD | None |
| 74 | 2947.54 | 66.26 | 141.88 | 28.64 | 1861.33 | 1641.60 | -1054.87 | 1270.26 | 1651.15 | 129.71 | 0.24 | MWD | None |
| 75 | 2975.95 | 66.04 | 141.64 | 28.41 | 1872.82 | 1667.18 | -1075.28 | 1286.34 | 1676.57 | 129.89 | 0.33 | MWD | None |
| 76 | 3004.70 | 65.63 | 141.74 | 28.75 | 1884.59 | 1693.01 | -1095.86 | 1302.61 | 1702.26 | 130.07 | 0.45 | MWD | None |
| 77 | 3033.57 | 65.06 | 141.16 | 28.87 | 1896.63 | 1718.87 | -1116.38 | 1318.96 | 1727.99 | 130.24 | 0.82 | MWD | None |
| 78 | 3062.00 | 64.59 | 141.98 | 28.43 | 1908.73 | 1744.22 | -1136.53 | 1334.95 | 1753.22 | 130.41 | 0.94 | MWD | None |
| 79 | 3090.72 | 64.37 | 141.76 | 28.72 | 1921.10 | 1769.73 | -1156.92 | 1350.95 | 1778.63 | 130.58 | 0.31 | MWD | None |
| 80 | 3119.45 | 64.04 | 141.80 | 28.73 | 1933.60 | 1795.19 | -1177.24 | 1366.96 | 1804.01 | 130.74 | 0.35 | MWD | None |
| 81 | 3148.18 | 64.00 | 141.66 | 28.73 | 1946.19 | 1820.62 | -1197.52 | 1382.95 | 1829.37 | 130.89 | 0.14 | MWD | None |
| 82 | 3176.79 | 63.78 | 141.55 | 28.61 | 1958.78 | 1845.93 | -1217.65 | 1398.91 | 1854.62 | 131.04 | 0.26 | MWD | None |
| 83 | 3205.75 | 63.12 | 141.38 | 28.96 | 1971.72 | 1871.46 | -1237.92 | 1415.05 | 1880.11 | 131.18 | 0.71 | MWD | None |
| 84 | 3234.70 | 62.78 | 140.68 | 28.95 | 1984.89 | 1896.90 | -1257.96 | 1431.26 | 1905.51 | 131.31 | 0.75 | MWD | None |
| 85 | 3256.00 | 62.55 | 140.21 | 21.30 | 1994.67 | 1915.60 | -1272.55 | 1443.31 | 1924.20 | 131.40 | 0.68 | Proj. to TD | |

| | |
|---|---|
| Company: | **ESSO Australia Pty. Ltd.** |
| Well: | **BMA A6A** |
| Field: | **Bream A** |
| Rig: | **ISDL 453** |
| State: | **Victoria** |

Schlumberger

**Gamma Ray Service**
**1:200 Measured Depth**
**Real Time Log**