XBOLT GAMMA RAY
5in/100ft Measured Depth
Final Print
Recorded Mode

Company:	NOBLE ENERGY INC
Well:	Guttersen C28-735
Field Name:	WATTENBERG
Country Name:	United States
State Name:	Colorado
County Name:	Weld

Latitude:	40°15'45.432"N	API Number:	05-123-48932
Longitude:	104°33'09.756"W	Rig Name:	Patterson 268
Spud Date:	05-Nov-2022	Rig Type:	Land rig
Log Interval:	93.00--17115.10(ft)	Job Number:	O.1038977.03
Depth Source:	Driller's Depth	Print Type:	Final Print
Log Measured From: Drill Floor		Northing:	1339926.04(ft)
Rig Floor above Ground Level: 29.00(ft)		Easting:	3264359.68(ft)
Ground Level above Mean Sea Level: 4715.00 (ft)		Coordinate System:	NAD83 Colorado State Plane, Northern Zone, US Feet

Disclaimer

Operational Run Summary

Notes

Run 1: GR gap from 1596 ft. MD to 1674 ft. MD due to 3rd party depth tracking issues. No relog required.

Run 1 (Bit Size: 13.5 in)

DateTime Log Started	05-Nov-2022 04:18:04	DateTime Log Finished	05-Nov-2022 14:32:04
Start Depth (ft)	107	Stop Depth (ft)	1946
Mud Type	Oil Based Mud	Mud Density (lbm/gal)	8.4
Potassium (%)	0	Barite	No
GR Sensor Offset (ft)	13.83	Calibration Coefficient	0
DNI Sensor Offset (ft)	17.47		

Run 2 (Bit Size: 8.5 in)

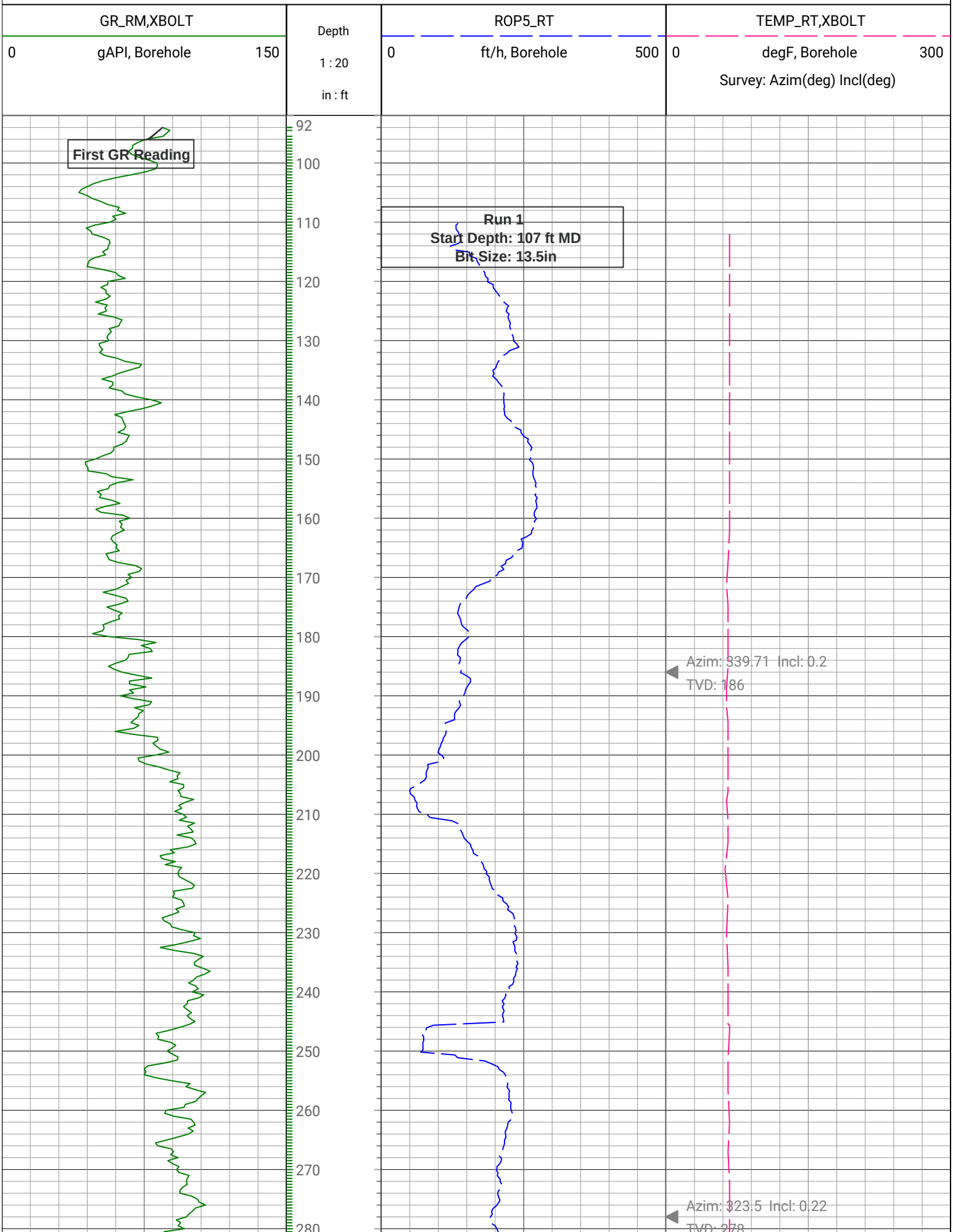
DateTime Log Started	14-Nov-2022 17:49:51	DateTime Log Finished	17-Nov-2022 16:27:44
Start Depth (ft)	1946	Stop Depth (ft)	17115
Mud Type	Oil Based Mud	Mud Density (lbm/gal)	8.4
Potassium (%)	0	Barite	No

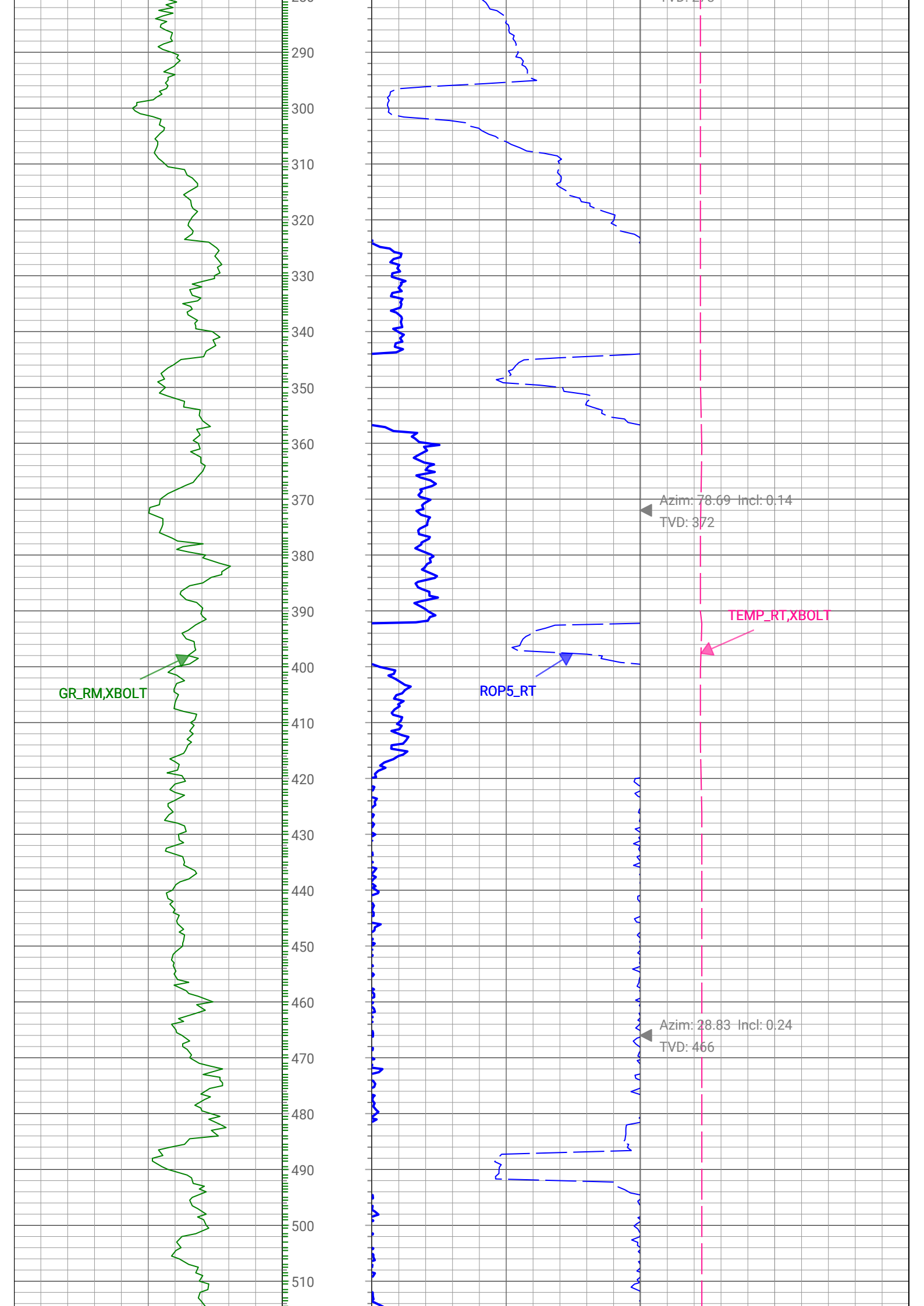
GR Sensor Offset (ft)	24.21	Calibration Coefficient	0
DNI Sensor Offset (ft)	27.85		

Log

Description: XBOLT GAMMA RAY Format: CHEVRON XBOLT avgGR EOW Index Scale: 5in/100ft Index Unit: ft Index Type: Measured Depth

Creation Date: 18-Nov-2022

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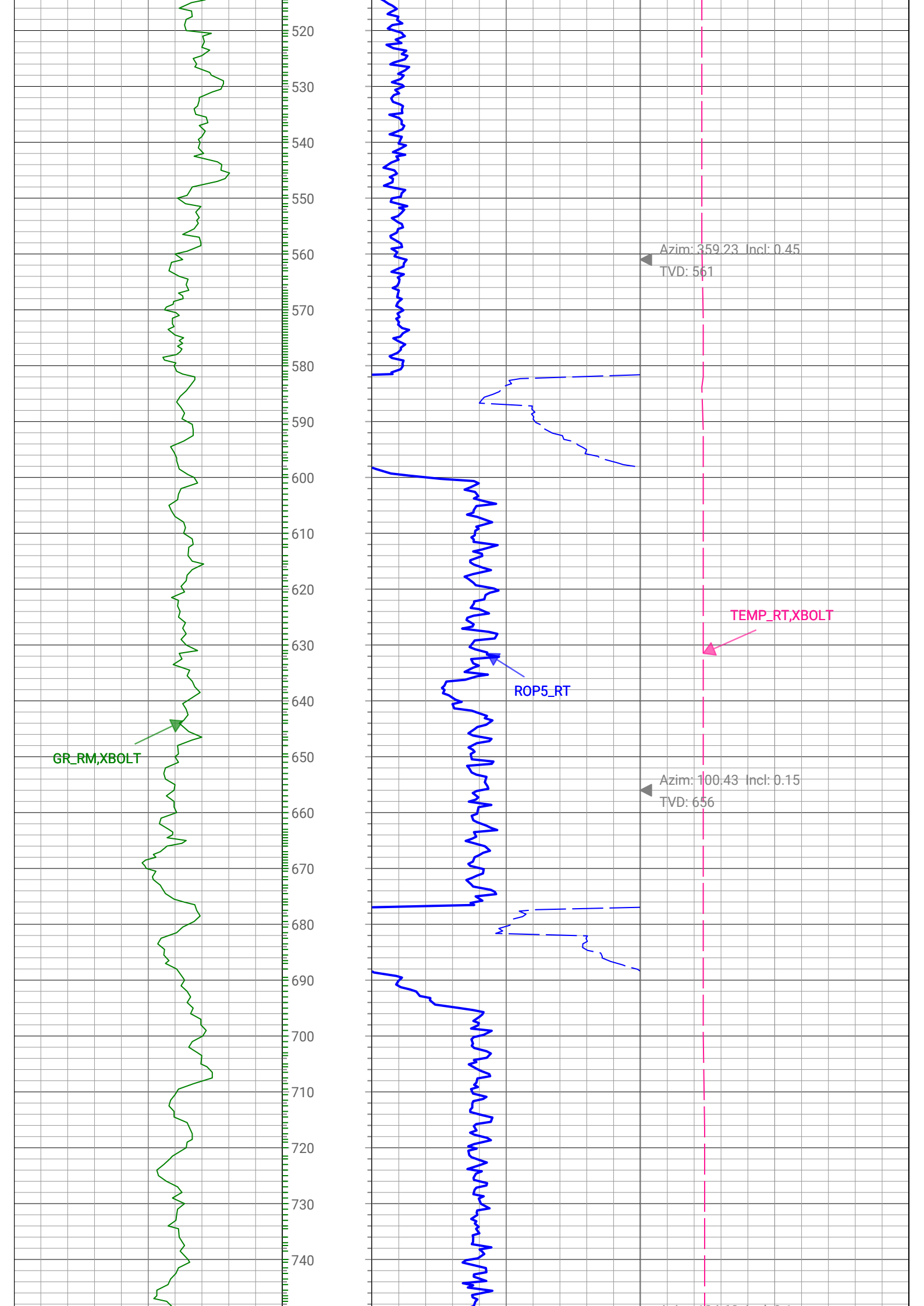
300
310
320
330
340
350
360
370
380
390
400
410
420
430
440
450
460
470
480
490
500
510
Azim: 78.69 Incl: 0.14
TVD: 372
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 28.83 Incl: 0.24
TVD: 466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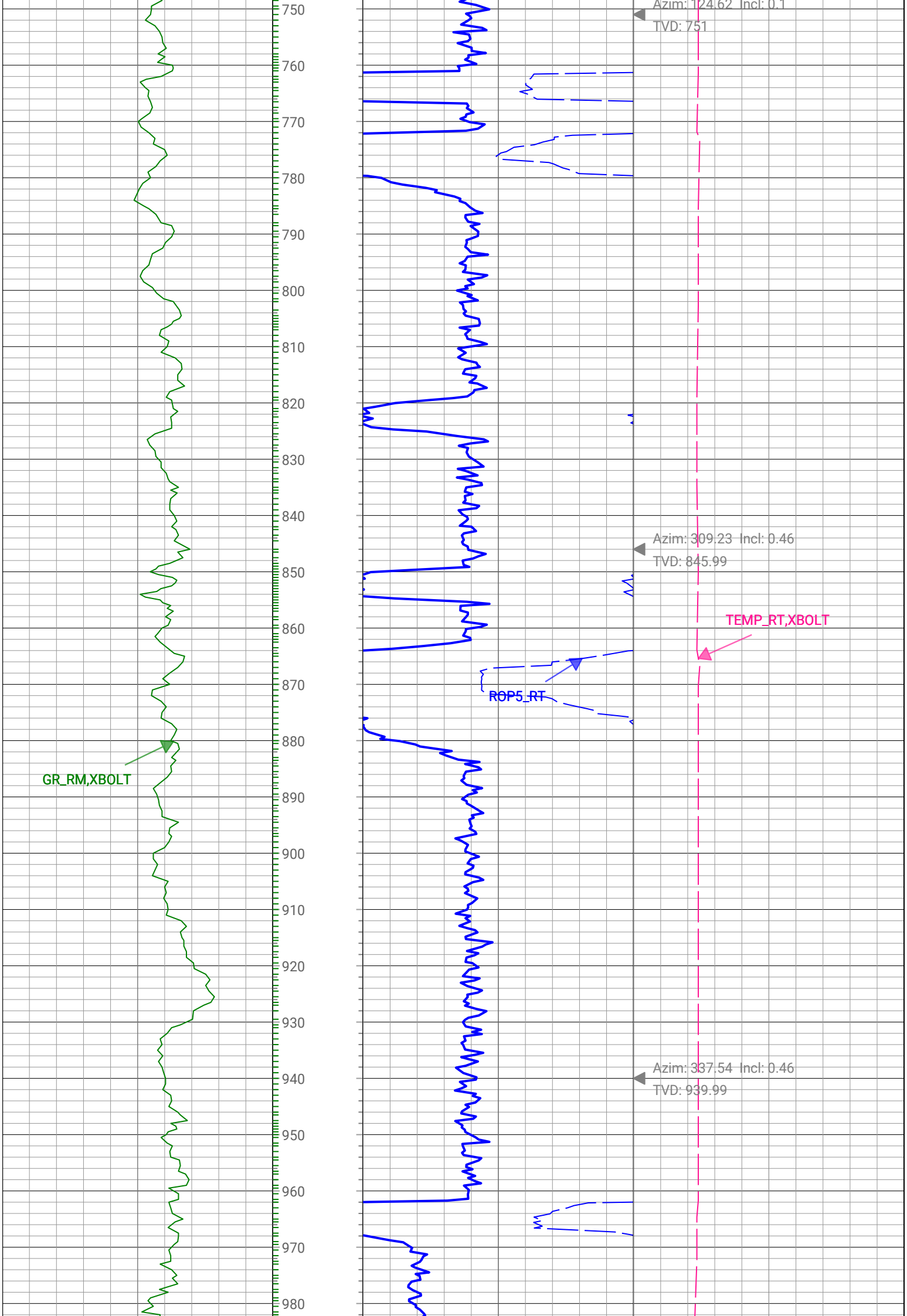
530
540
550
560
570
580
590
600
610
620
630
640
650
660
670
680
690
700
710
720
730
740
Azim: 359.23 Incl: 0.45
TVD: 561
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 100.43 Incl: 0.15
TVD: 656


Azim: 124.62 Incl: 0.1
TVD: 751
Azim: 309.23 Incl: 0.46
TVD: 845.99
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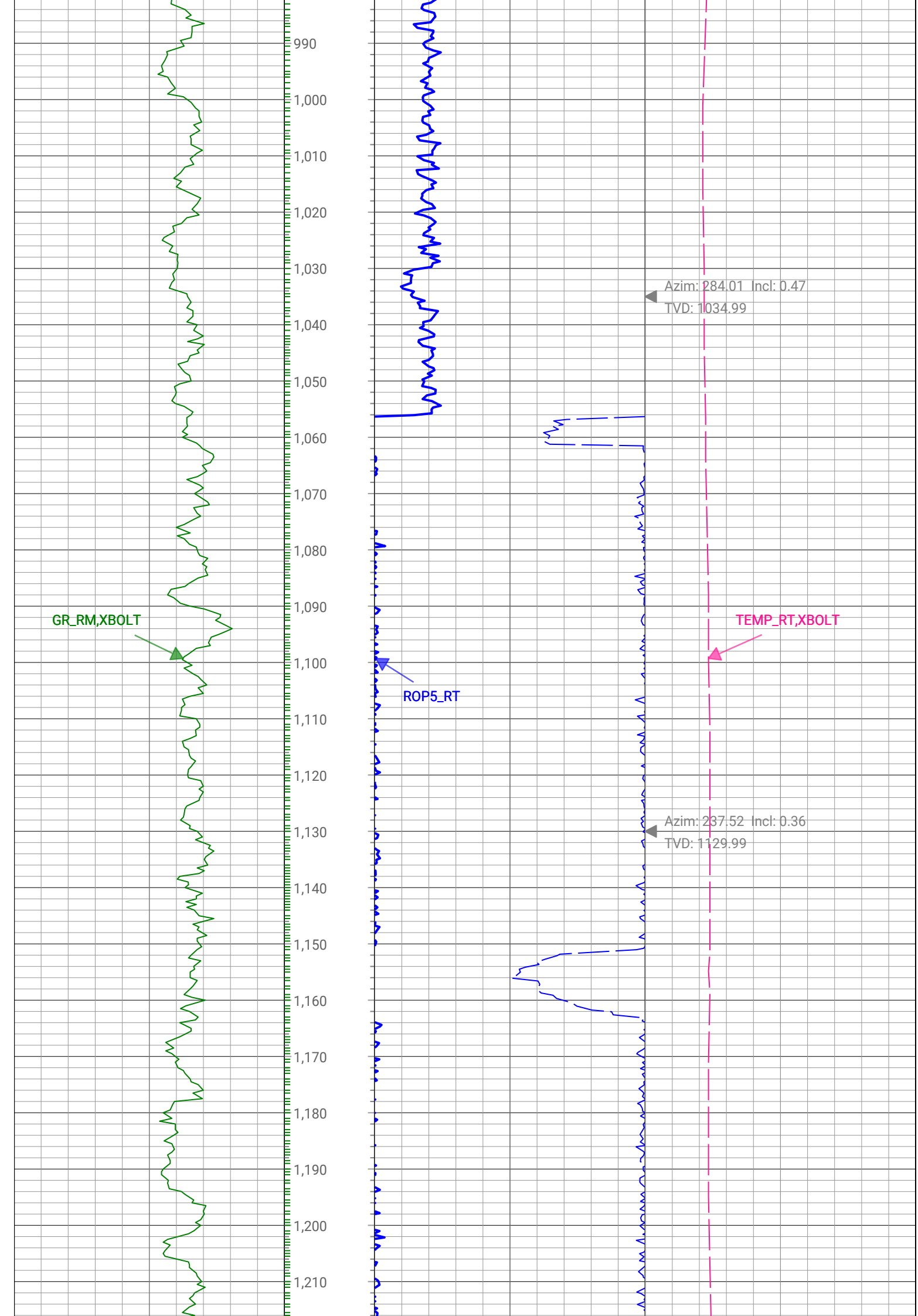
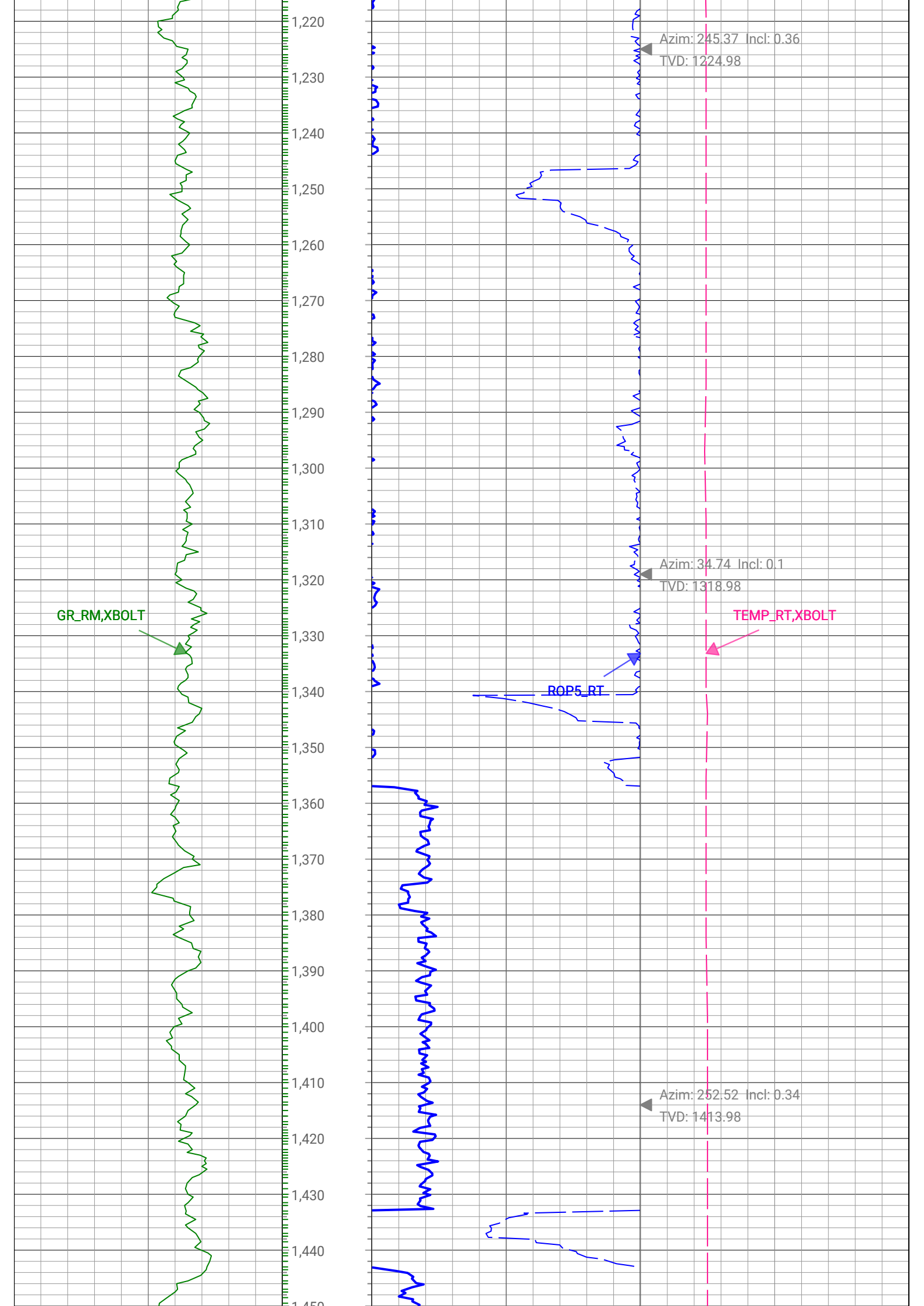
ROP5_RT
GR_RM,XBOLT
Azim: 337.54 Incl: 0.46
TVD: 939.99


990
1,000
1,010
1,020
1,030
1,040
1,050
1,060
1,070
1,080
1,090
1,100
1,110
1,120
1,130
1,140
1,150
1,160
1,170
1,180
1,190
1,200
1,210
Azim: 284.01 Incl: 0.47
TVD: 1034.99
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
Azim: 287.52 Incl: 0.36
TVD: 1129.99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1,230
1,240
1,250
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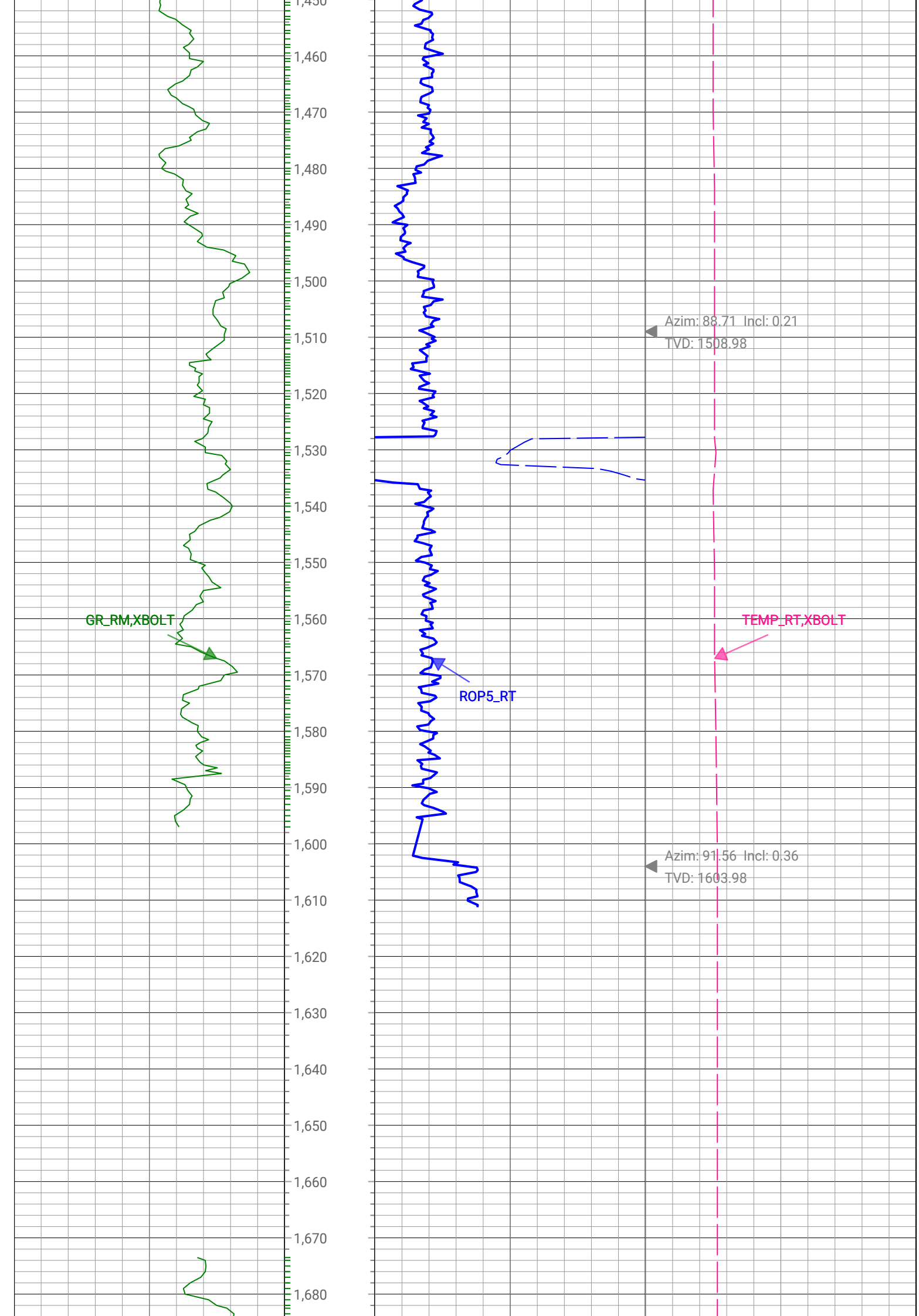
1,270
1,280
1,290
1,300
1,310
1,320
1,330
1,340
1,350
1,360
1,370
1,380
1,390
1,400
1,410
1,420
1,430
1,440
Azim: 245.37 Incl: 0.36
TVD: 1224.98
Azim: 34.74 Incl: 0.1
TVD: 1318.98
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
Azim: 252.52 Incl: 0.34
TVD: 1413.98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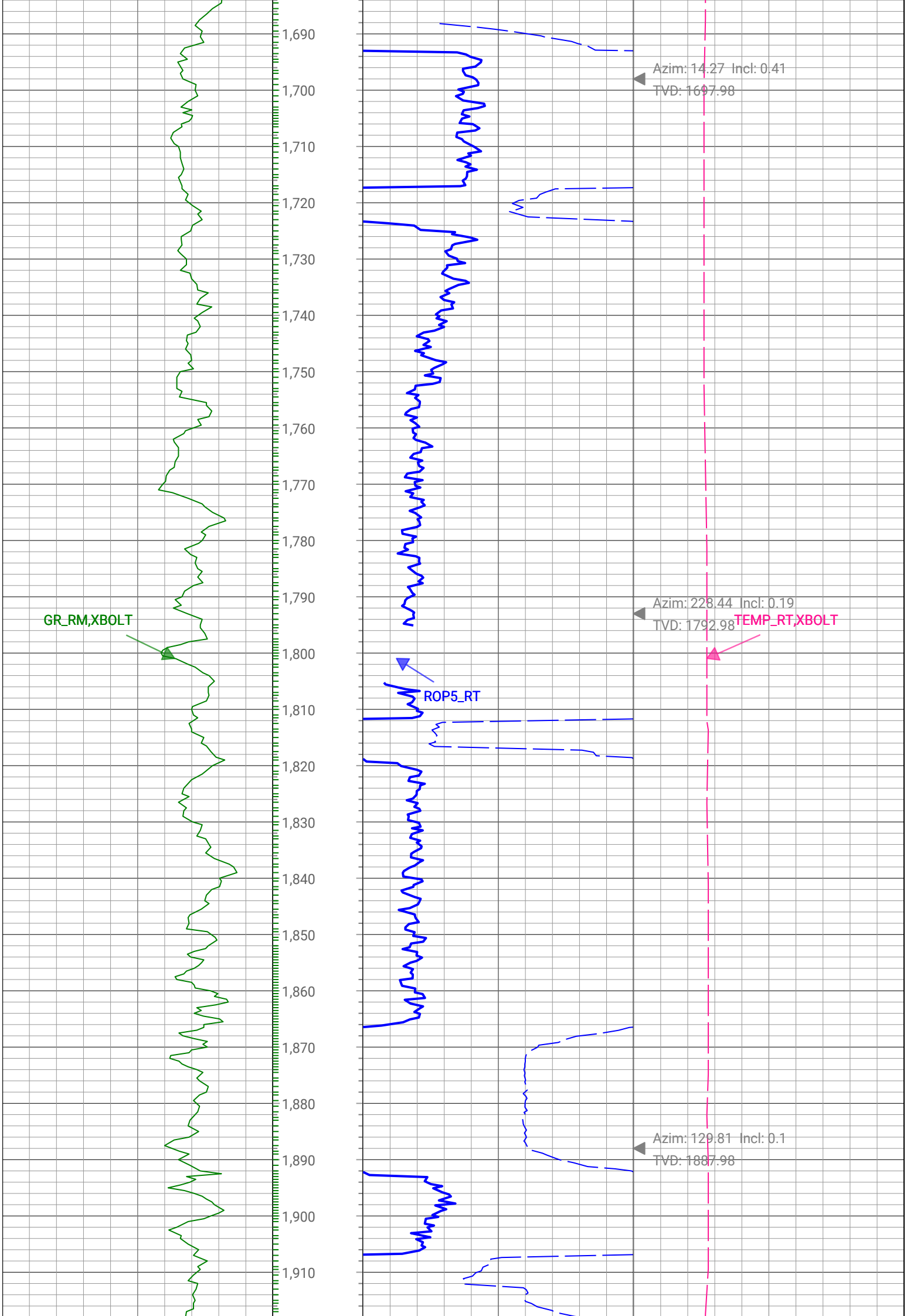
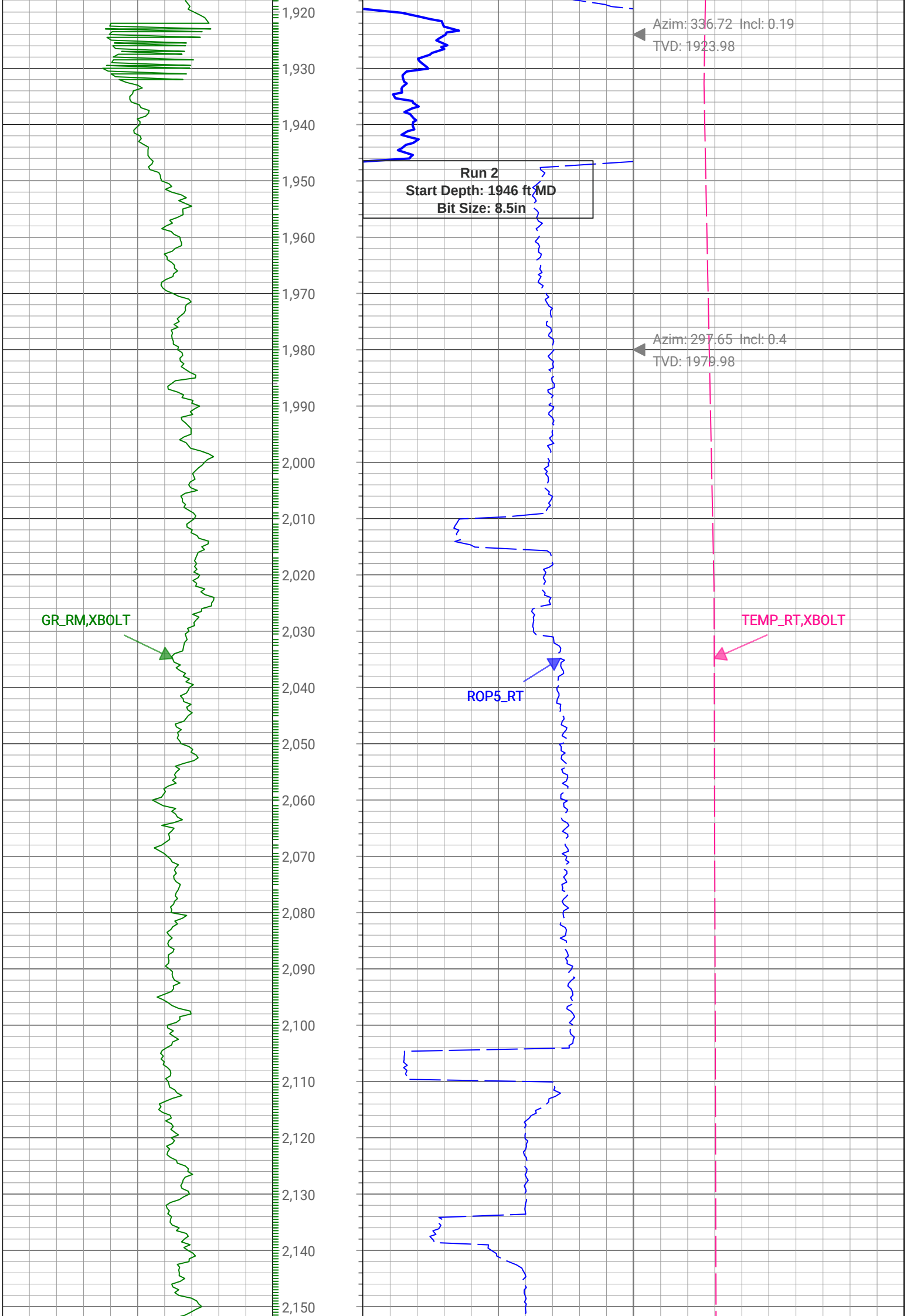
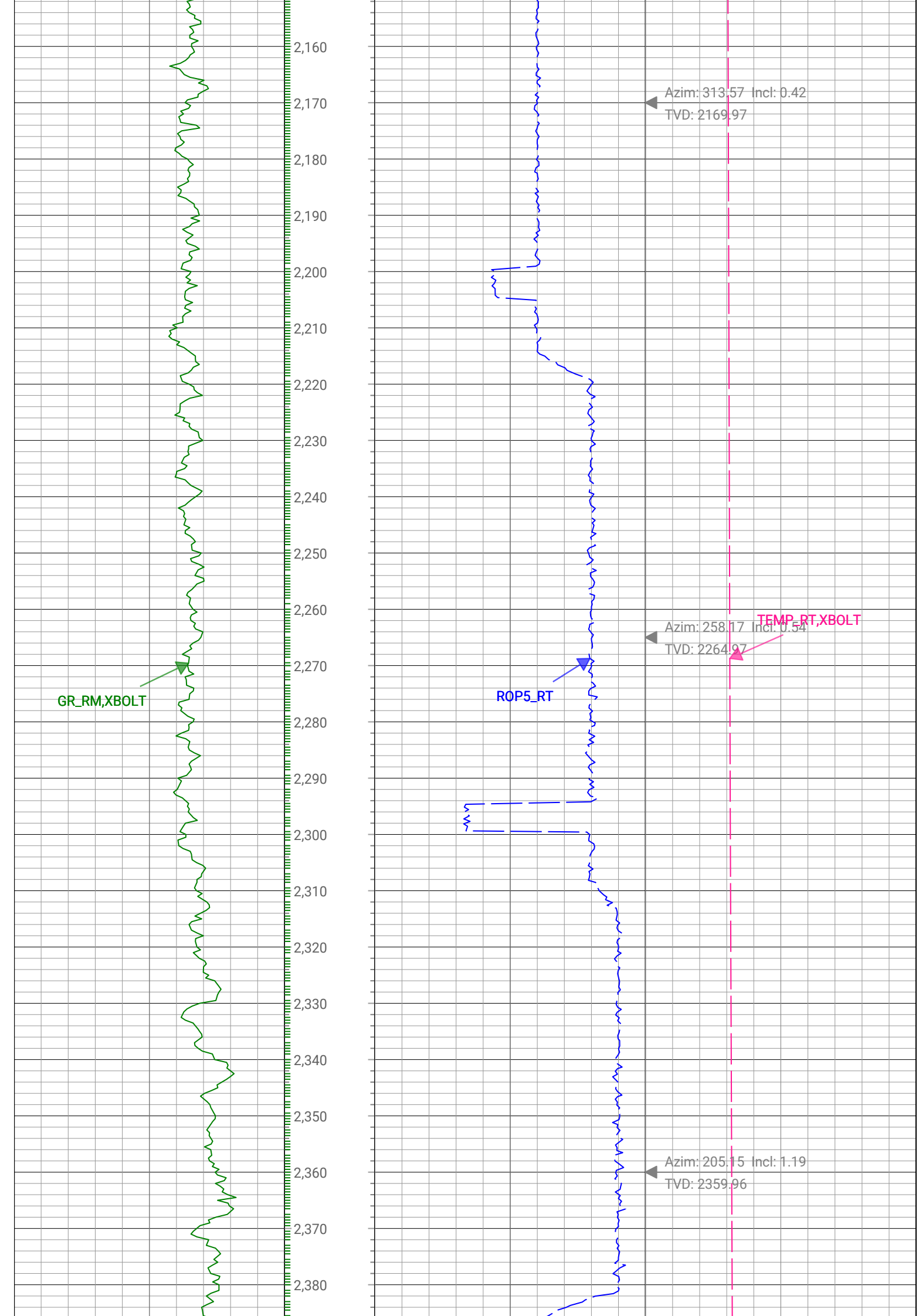
1,470
1,480
1,490
1,500
1,510
1,520
1,530
1,540
1,550
1,560
1,570
1,580
1,590
1,600
1,610
1,620
1,630
1,640
1,650
1,660
1,670
1,680
GR_RM,XBOLT
ROP5_RT
Azim: 88.71 Incl: 0.21
TVD: 1508.98
TEMP_RT,XBOLT
Azim: 91.56 Incl: 0.36
TVD: 1603.98


1,690
1,700
1,710
1,720
1,730
1,740
1,750
1,760
1,770
1,780
1,790
1,800
1,810
1,820
1,830
1,840
1,850
1,860
1,870
1,880
1,890
1,900
1,910
GR_RM,XBOLT
ROP5_RT
Azim: 14.27 Incl: 0.41
TVD: 1697.98
Azim: 228.44 Incl: 0.19
TVD: 1792.98
TEMP_RT,XBOLT
Azim: 129.81 Incl: 0.1
TVD: 1887.98


1,920
1,930
1,940
1,950
1,960
1,970
1,980
1,990
2,000
2,010
2,020
2,030
2,040
2,050
2,060
2,070
2,080
2,090
2,100
2,110
2,120
2,130
2,140
2,150
Azim: 336.72 Incl: 0.19
TVD: 1923.98
Run 2
Start Depth: 1946 ft MD
Bit Size: 8.5in
Azim: 297.65 Incl: 0.4
TVD: 1979.98
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT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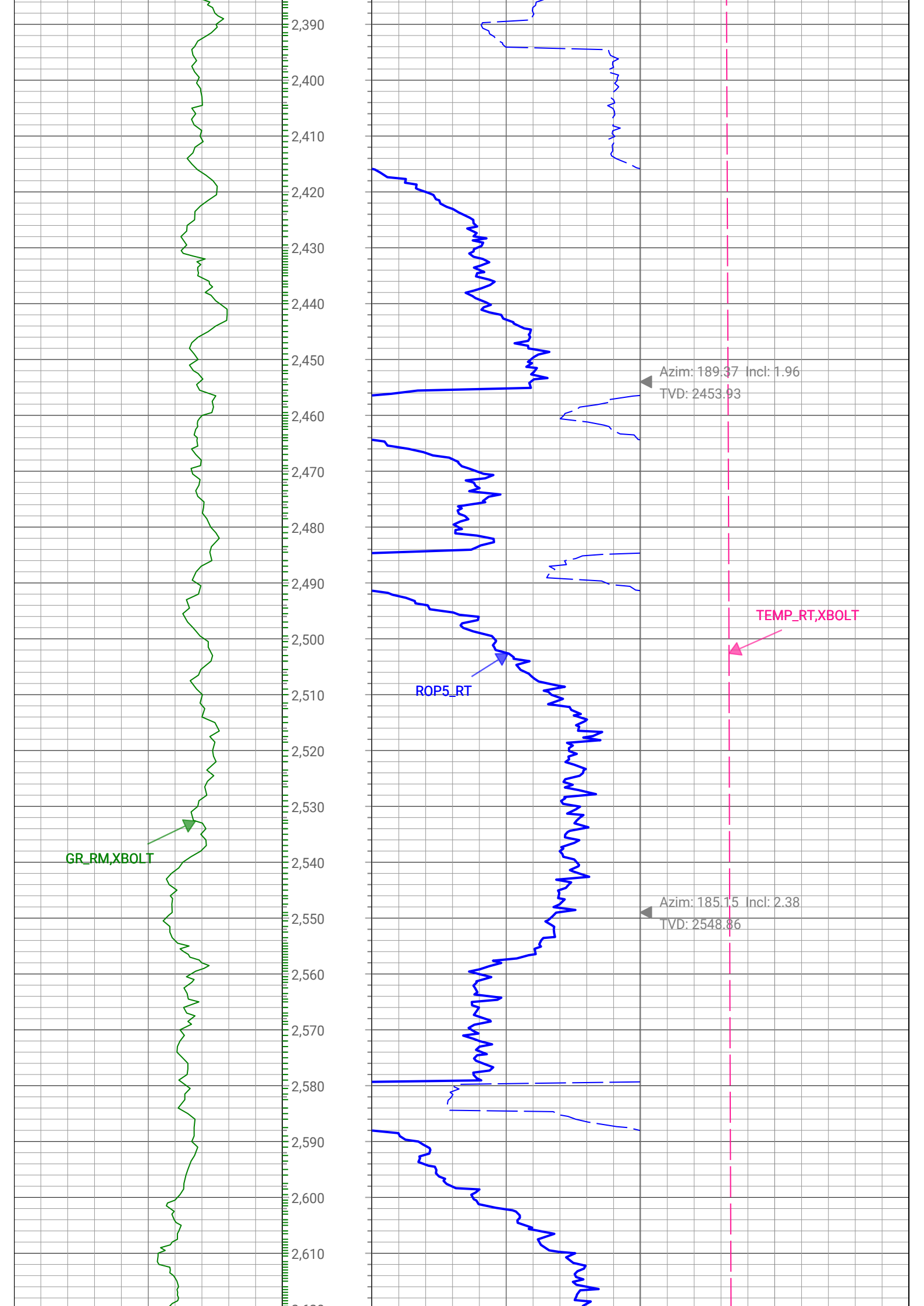
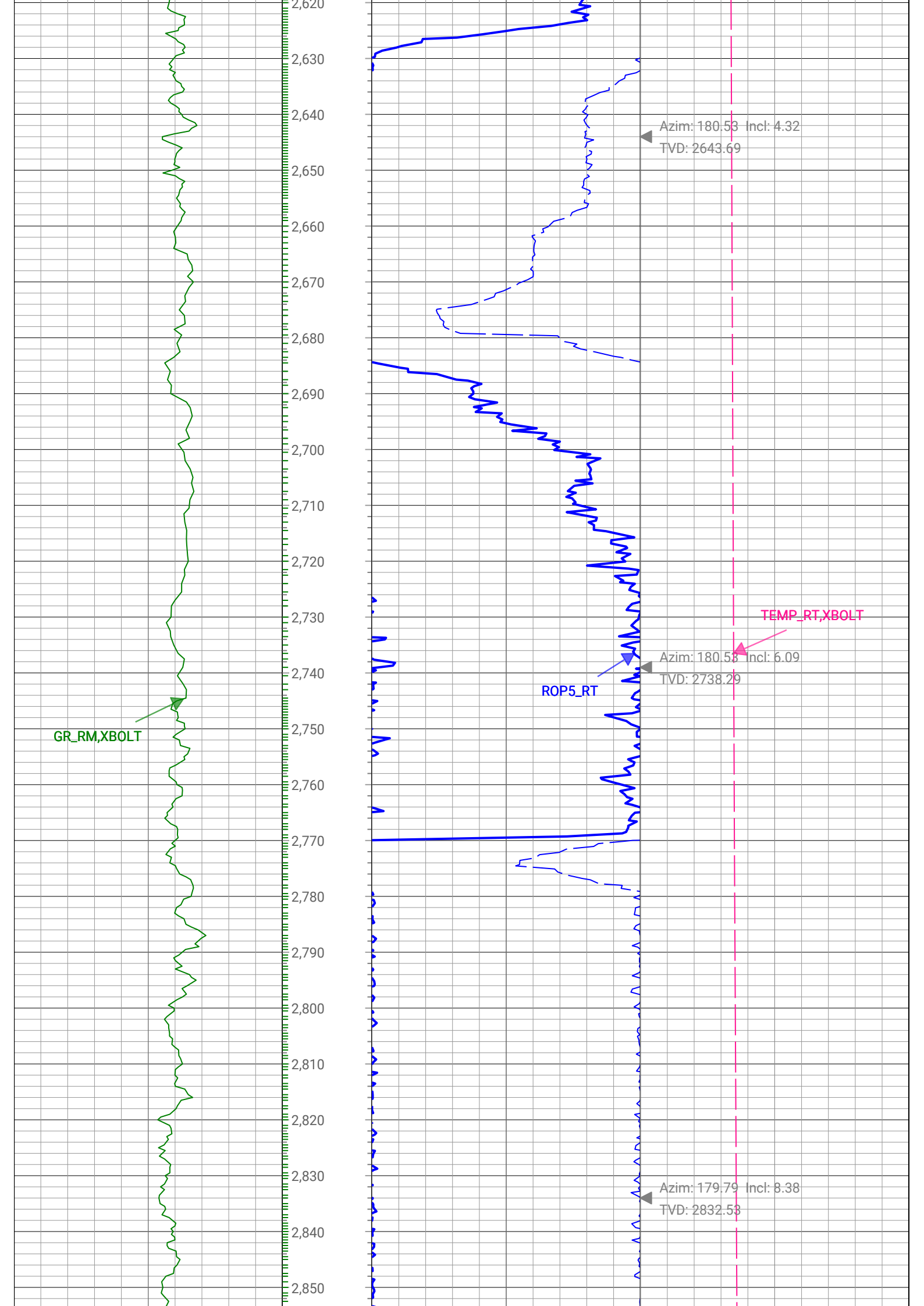
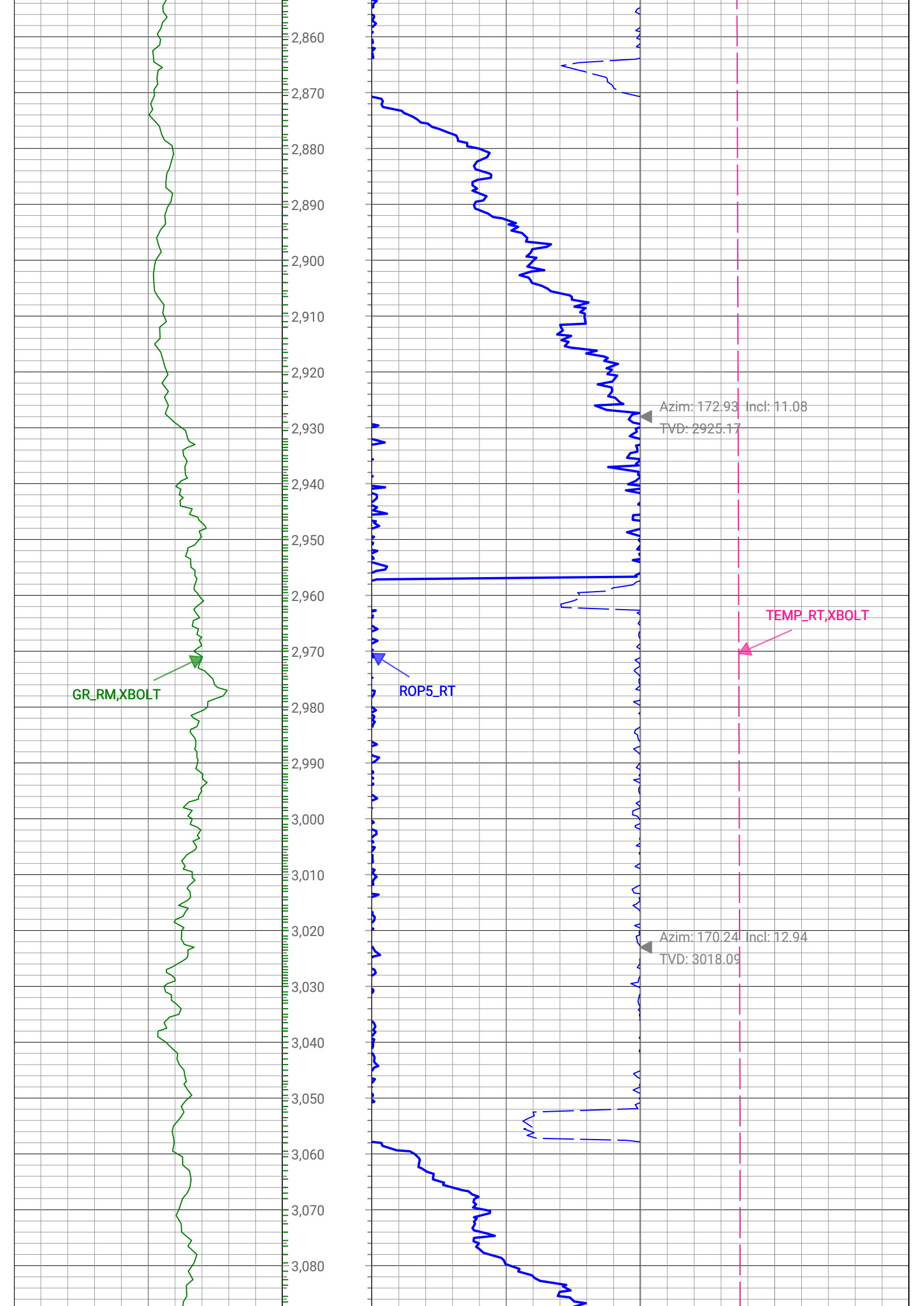
2,170
2,180
2,190
2,200
2,210
2,220
2,230
2,240
2,250
2,260
2,270
2,280
2,290
2,300
2,310
2,320
2,330
2,340
2,350
2,360
2,370
2,380
Azim: 313.57 Incl: 0.42
TVD: 2169.97
Azim: 258.17 Incl: 0.54
TVD: 2264.97
Azim: 205.15 Incl: 1.19
TVD: 2359.96
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT


2,390
2,400
2,410
2,420
2,430
2,440
2,450
2,460
2,470
2,480
2,490
2,500
2,510
2,520
2,530
2,540
2,550
2,560
2,570
2,580
2,590
2,600
2,610
Azim: 189.37 Incl: 1.96
TVD: 2453.93
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 185.15 Incl: 2.38
TVD: 2548.86


2,620
2,630
2,640
2,650
2,660
2,670
2,680
2,690
2,700
2,710
2,720
2,730
2,740
2,750
2,760
2,770
2,780
2,790
2,800
2,810
2,820
2,830
2,840
2,850
Azim: 180.53 Incl: 4.32
TVD: 2643.69
TEMP_RT,XBOLT
Azim: 180.53 Incl: 6.09
TVD: 2738.29
ROP5_RT
GR_RM,XBOLT
Azim: 179.79 Incl: 8.38
TVD: 2832.53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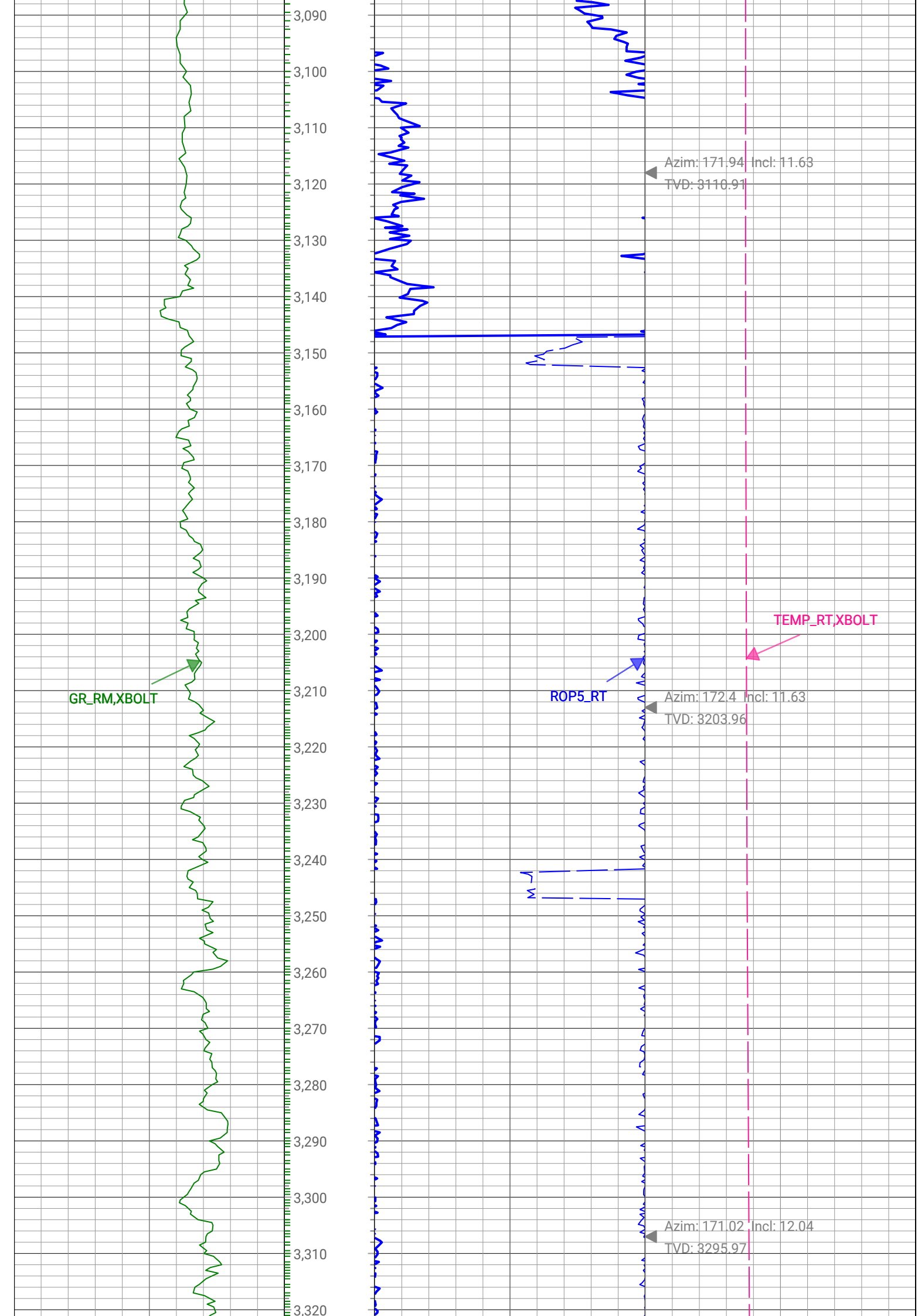
2,870
2,880
2,890
2,900
2,910
2,920
2,930
2,940
2,950
2,960
2,970
2,980
2,990
3,000
3,010
3,020
3,030
3,040
3,050
3,060
3,070
3,080
Azim: 172.93 Incl: 11.08
TVD: 2925.17
Azim: 170.24 Incl: 12.94
TVD: 3018.09
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT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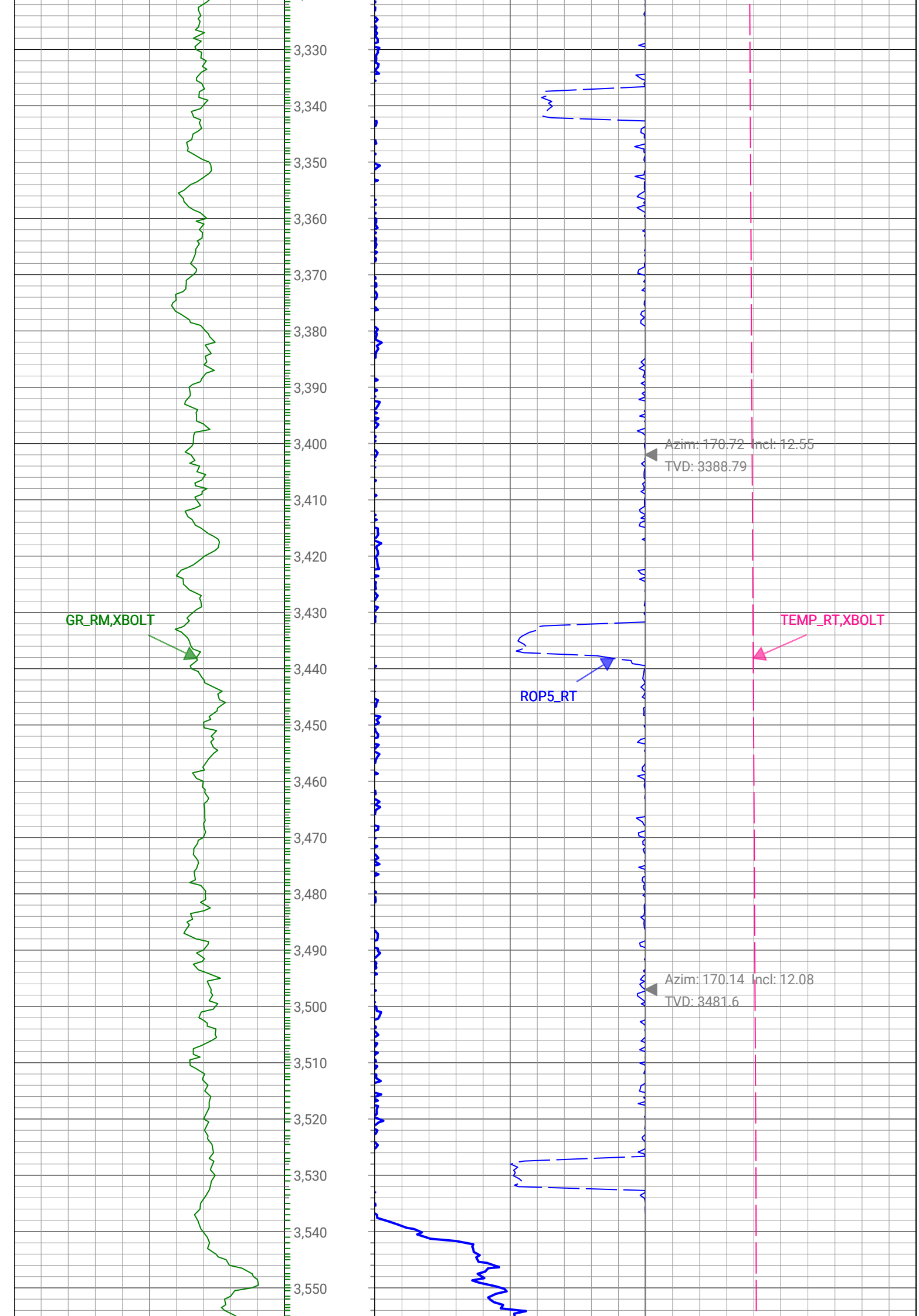
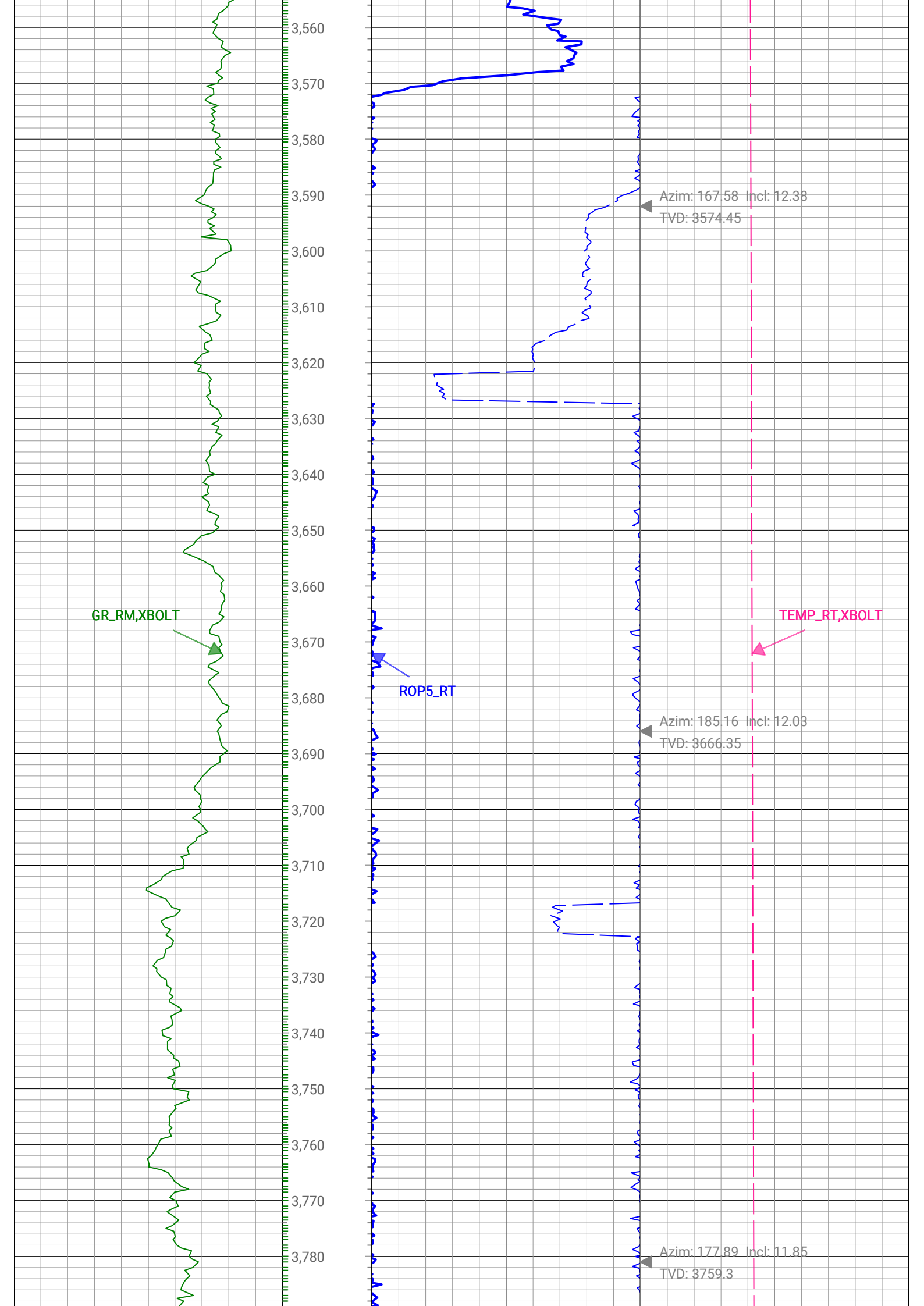
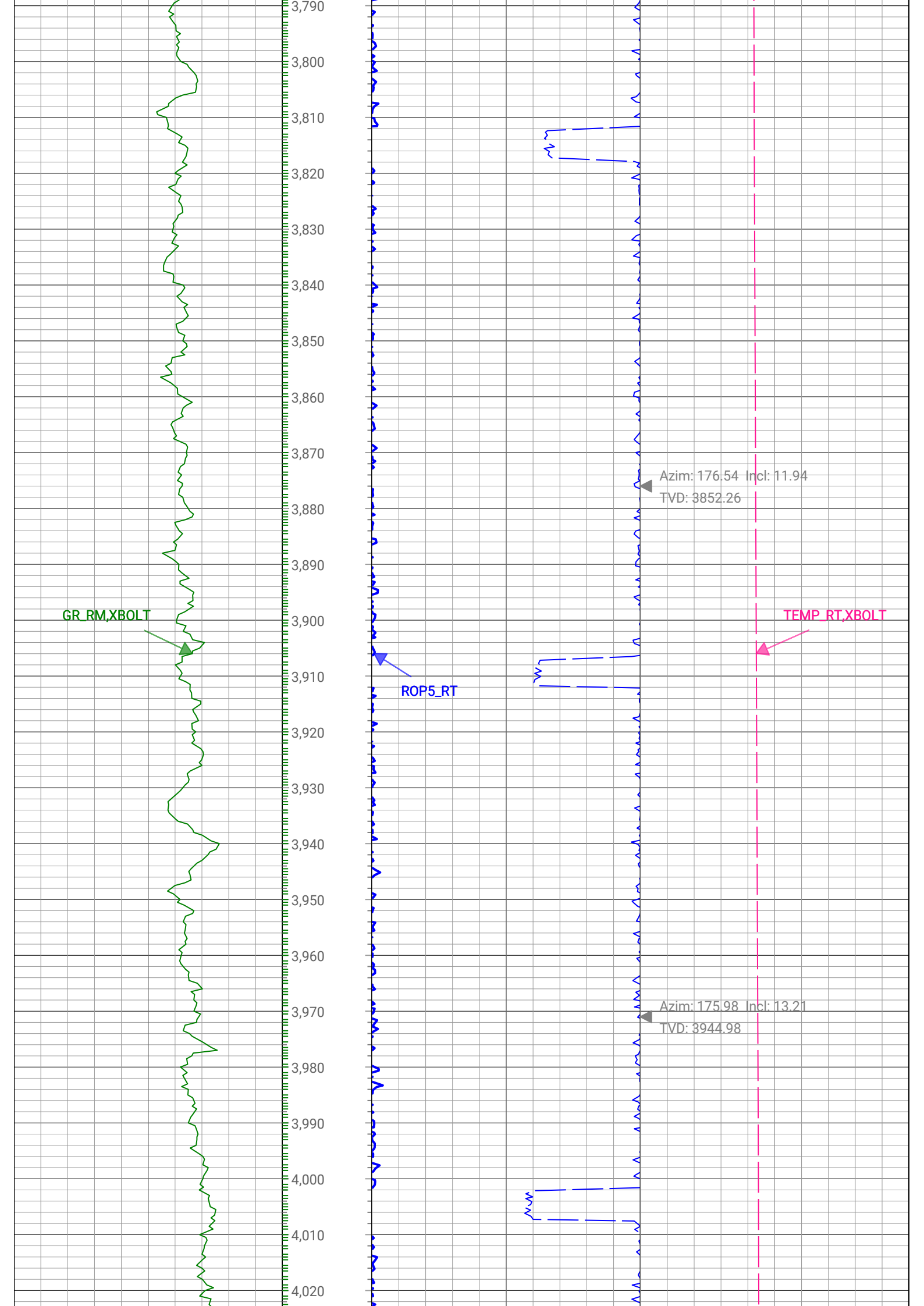
3,100
3,110
3,120
3,130
3,140
3,150
3,160
3,170
3,180
3,190
3,200
3,210
3,220
3,230
3,240
3,250
3,260
3,270
3,280
3,290
3,300
3,310
3,320
Azim: 171.94 Incl: 11.63
TVD: 3110.91
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 172.4 Incl: 11.63
TVD: 3203.96
Azim: 171.02 Incl: 12.04
TVD: 3295.97


3,330
3,340
3,350
3,360
3,370
3,380
3,390
3,400
3,410
3,420
3,430
3,440
3,450
3,460
3,470
3,480
3,490
3,500
3,510
3,520
3,530
3,540
3,550
GR_RM,XBOLT
Azim: 170.72 Incl: 12.55
TVD: 3388.79
TEMP_RT,XBOLT
ROP5_RT
Azim: 170.14 Incl: 12.08
TVD: 3481.6


3,560
3,570
3,580
3,590
3,600
3,610
3,620
3,630
3,640
3,650
3,660
3,670
3,680
3,690
3,700
3,710
3,720
3,730
3,740
3,750
3,760
3,770
3,780
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 167.58 Incl: 12.38
TVD: 3574.45
Azim: 185.16 Incl: 12.03
TVD: 3666.35
Azim: 177.89 Incl: 11.85
TVD: 3759.3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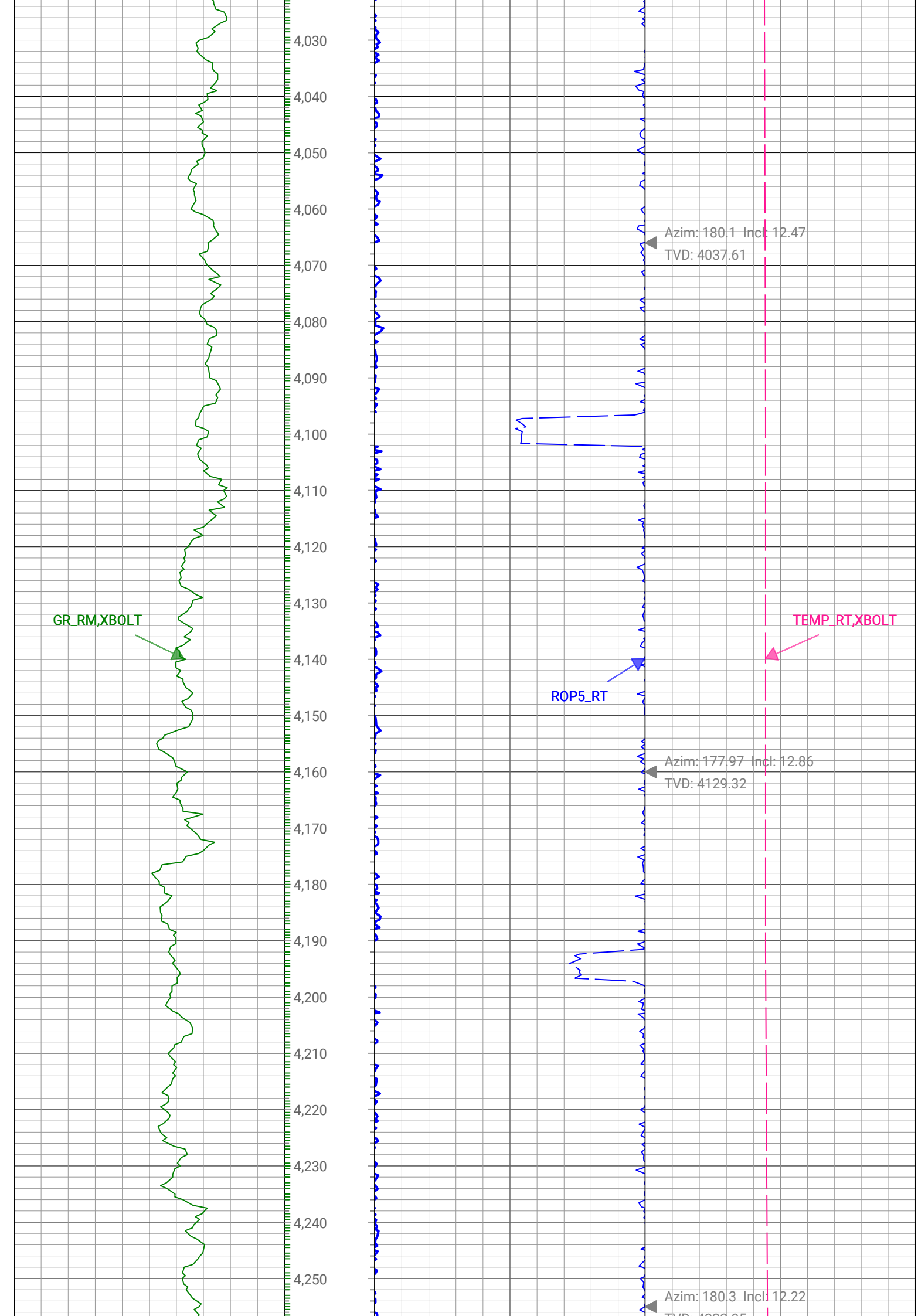
3,810
3,820
3,830
3,840
3,850
3,860
3,870
3,880
3,890
3,900
3,910
3,920
3,930
3,940
3,950
3,960
3,970
3,980
3,990
4,000
4,010
4,020
GR_RM,XBOLT
ROP5_RT
Azim: 176.54 Incl: 11.94
TVD: 3852.26
TEMP_RT,XBOLT
Azim: 175.98 Incl: 13.21
TVD: 3944.98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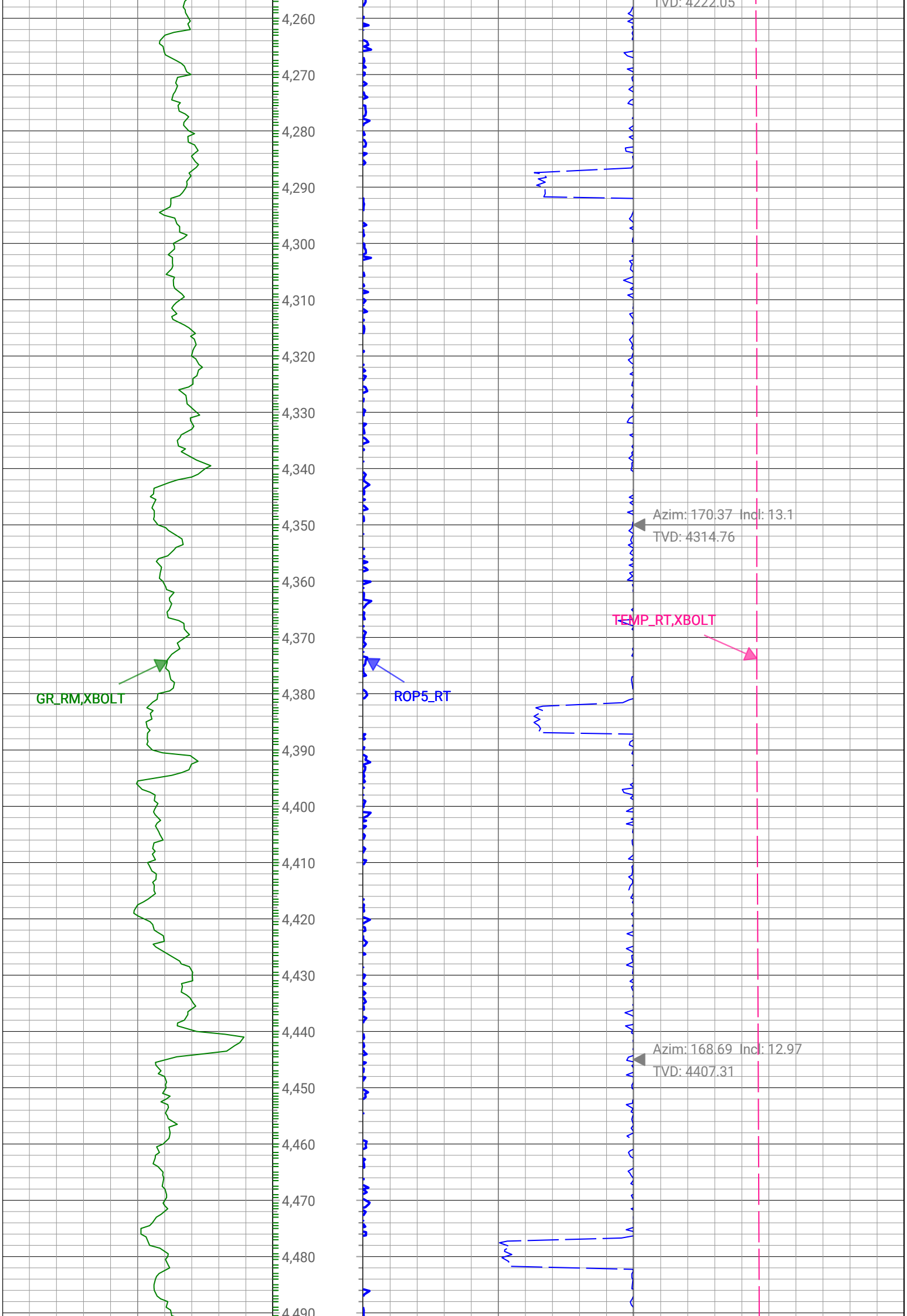
4,050
4,060
4,070
4,080
4,090
4,100
4,110
4,120
4,130
4,140
4,150
4,160
4,170
4,180
4,190
4,200
4,210
4,220
4,230
4,240
4,250
GR_RM,XBOLT
Azim: 180.1 Incl: 12.47
TVD: 4037.61
TEMP_RT,XBOLT
ROP5_RT
Azim: 177.97 Incl: 12.86
TVD: 4129.32
Azim: 180.3 Incl: 12.22


TVD: 4222.05
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4,280
4,290
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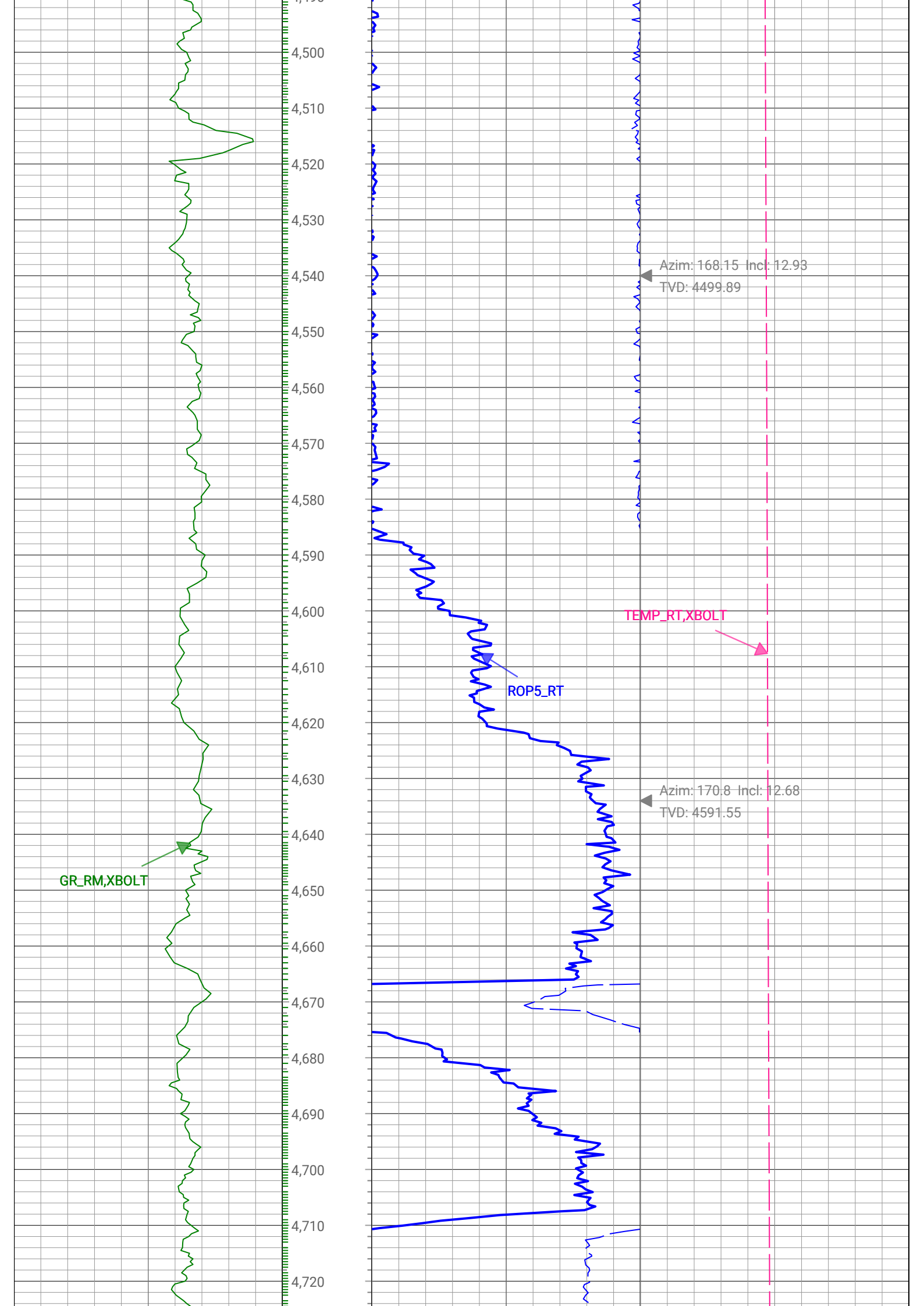
4,310
4,320
4,330
4,340
4,350
4,360
4,370
4,380
4,390
4,400
4,410
4,420
4,430
4,440
4,450
4,460
4,470
4,480
4,490
Azim: 170.37 Incl: 13.1
TVD: 4314.76
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 168.69 Incl: 12.97
TVD: 4407.31


4,500
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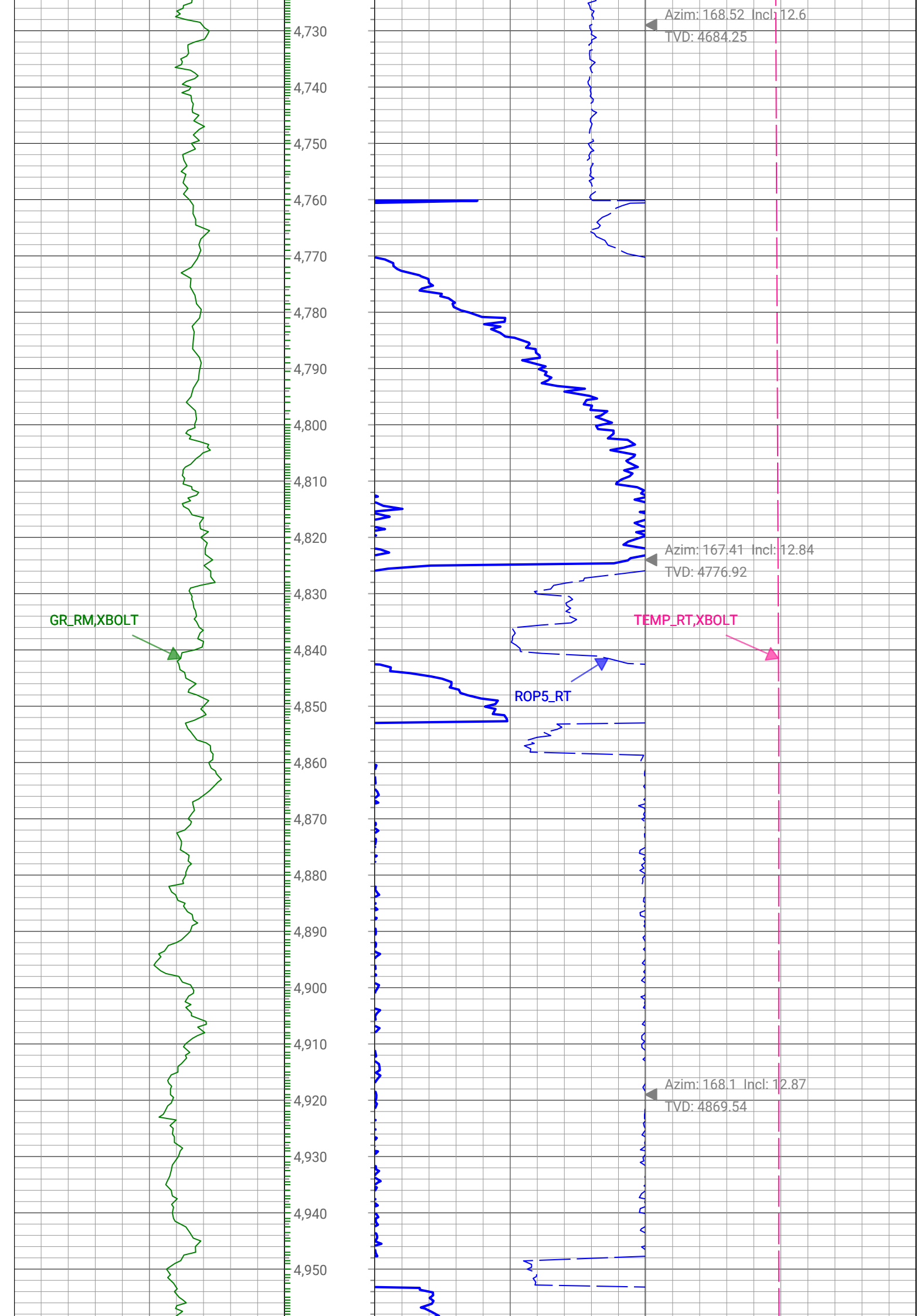
4,520
4,530
4,540
4,550
4,560
4,570
4,580
4,590
4,600
4,610
4,620
4,630
4,640
4,650
4,660
4,670
4,680
4,690
4,700
4,710
4,720
Azim: 168.15 Incl: 12.93
TVD: 4499.89
TEMP_RT,XBOLT
ROP5_RT
Azim: 170.8 Incl: 12.68
TVD: 4591.55
GR_RM,XBOLT


Azim: 168.52 Incl: 12.6
TVD: 4684.25
Azim: 167.41 Incl: 12.84
TVD: 4776.92
Azim: 168.1 Incl: 12.87
TVD: 4869.54
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
4,730
4,740
4,750
4,760
4,770
4,780
4,790
4,800
4,810
4,820
4,830
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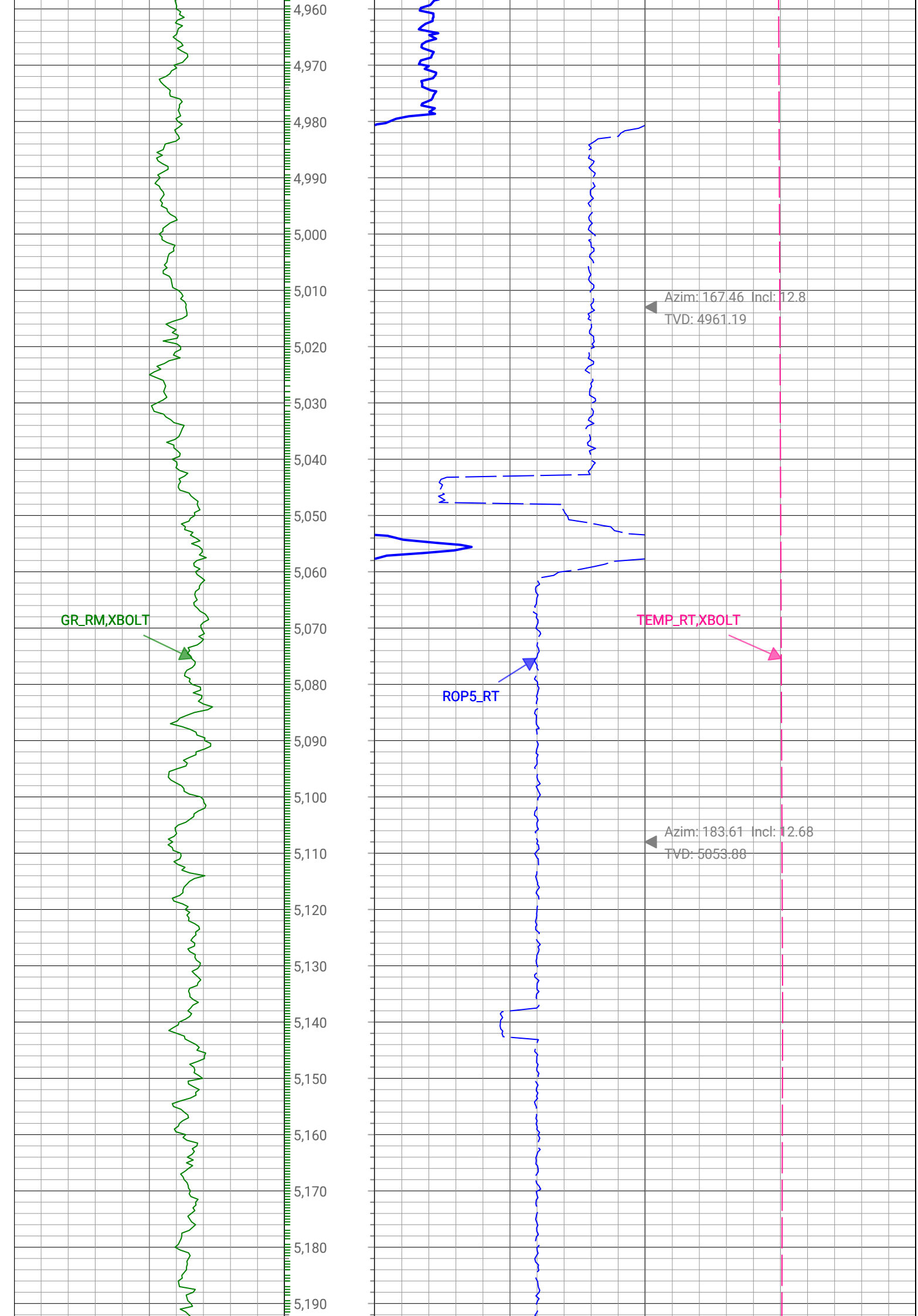
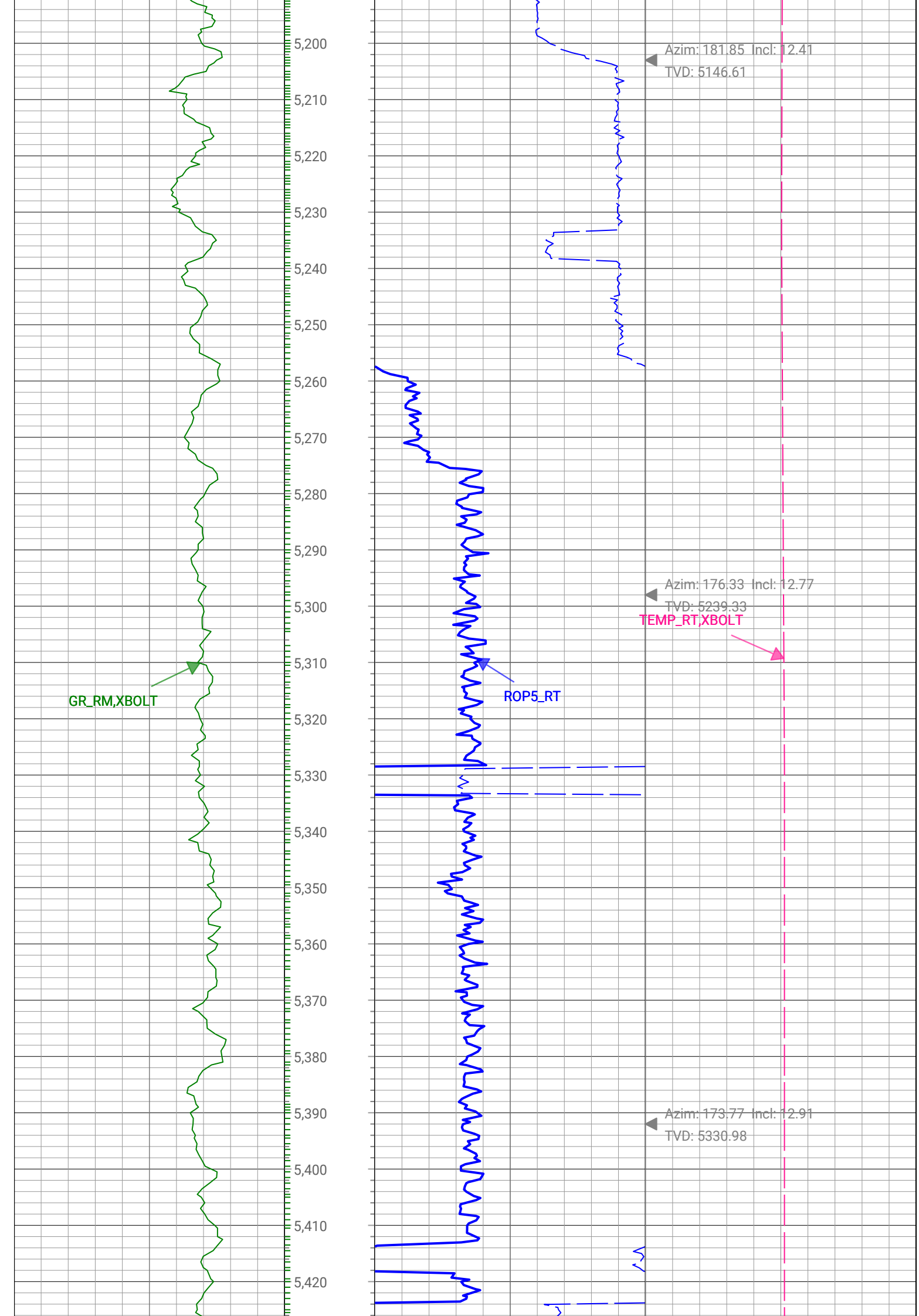
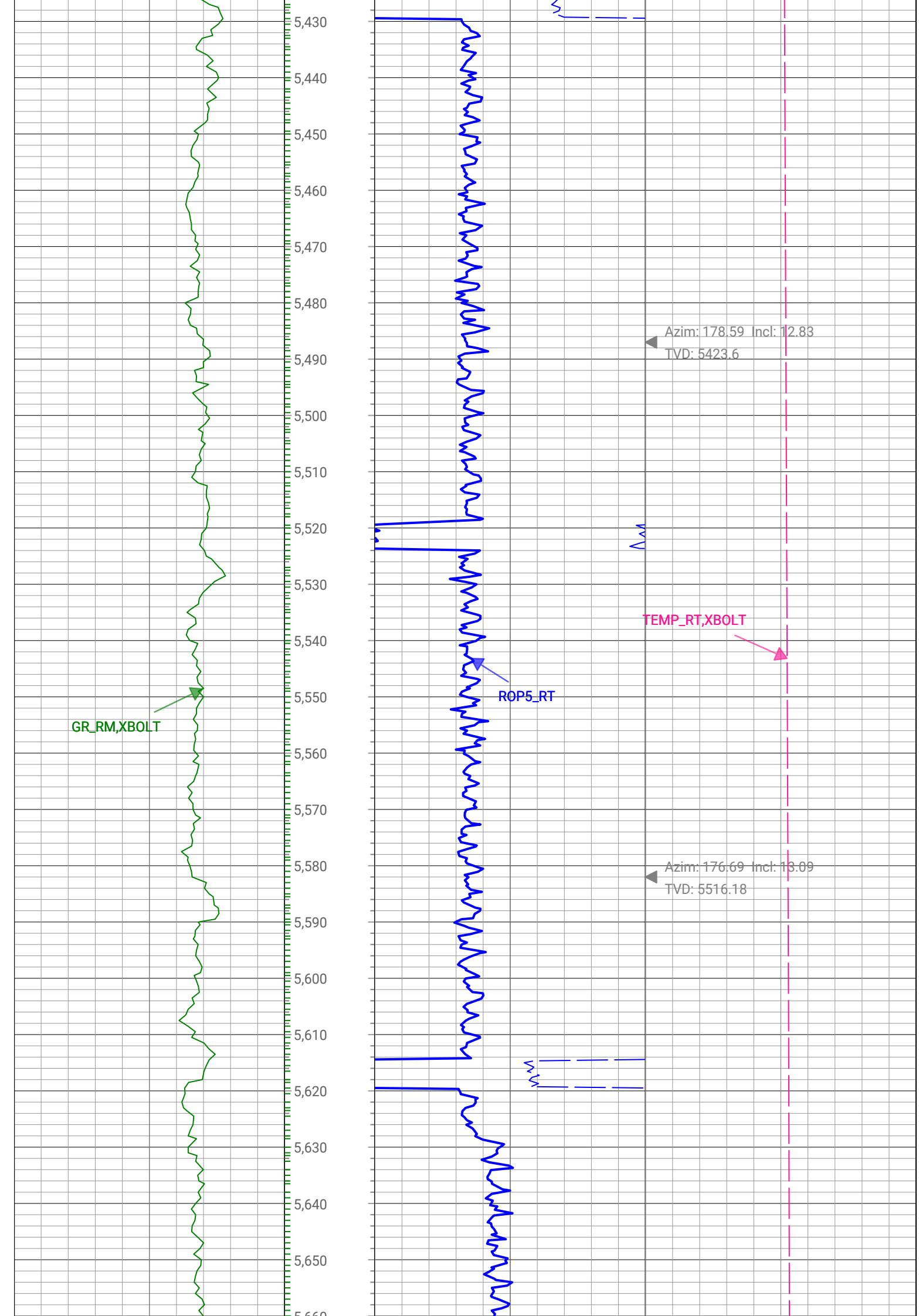
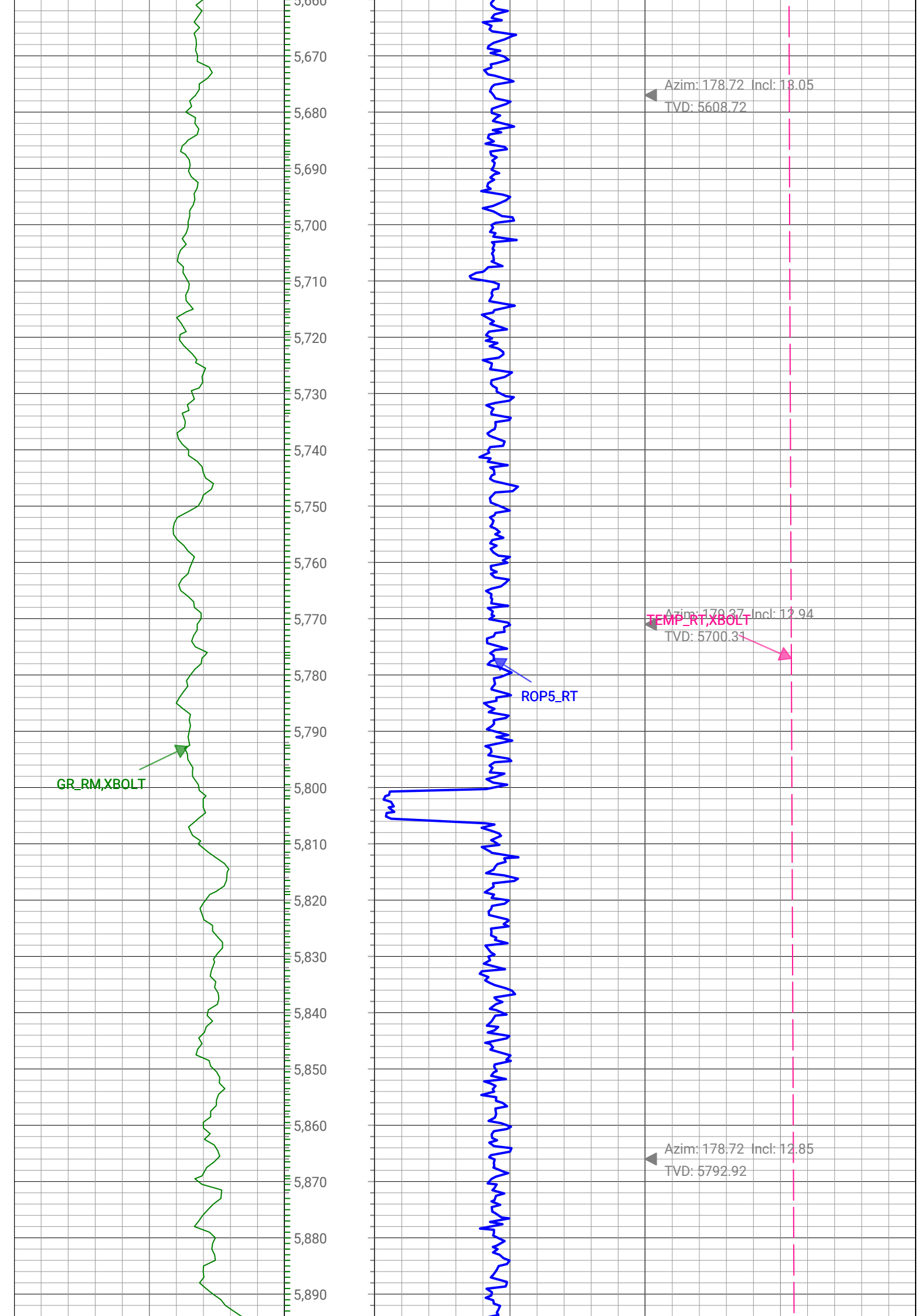
4,900
4,910
4,920
4,930
4,940
4,950


4,960
4,970
4,980
4,990
5,000
5,010
5,020
5,030
5,040
5,050
5,060
5,070
5,080
5,090
5,100
5,110
5,120
5,130
5,140
5,150
5,160
5,170
5,180
5,190
Azim: 167.46 Incl: 12.8
TVD: 4961.19
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
Azim: 183.61 Incl: 12.68
TVD: 5053.88


5,200
5,210
5,220
5,230
5,240
5,250
5,260
5,270
5,280
5,290
5,300
5,310
5,320
5,330
5,340
5,350
5,360
5,370
5,380
5,390
5,400
5,410
5,420
Azim: 181.85 Incl: 12.41
TVD: 5146.61
Azim: 176.33 Incl: 12.77
TVD: 5239.33
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 173.77 Incl: 12.91
TVD: 5330.98


5,430
5,440
5,450
5,460
5,470
5,480
5,490
5,500
5,510
5,520
5,530
5,540
5,550
5,560
5,570
5,580
5,590
5,600
5,610
5,620
5,630
5,640
5,650
Azim: 178.59 Incl: 12.83
TVD: 5423.6
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 176.69 Incl: 13.09
TVD: 5516.18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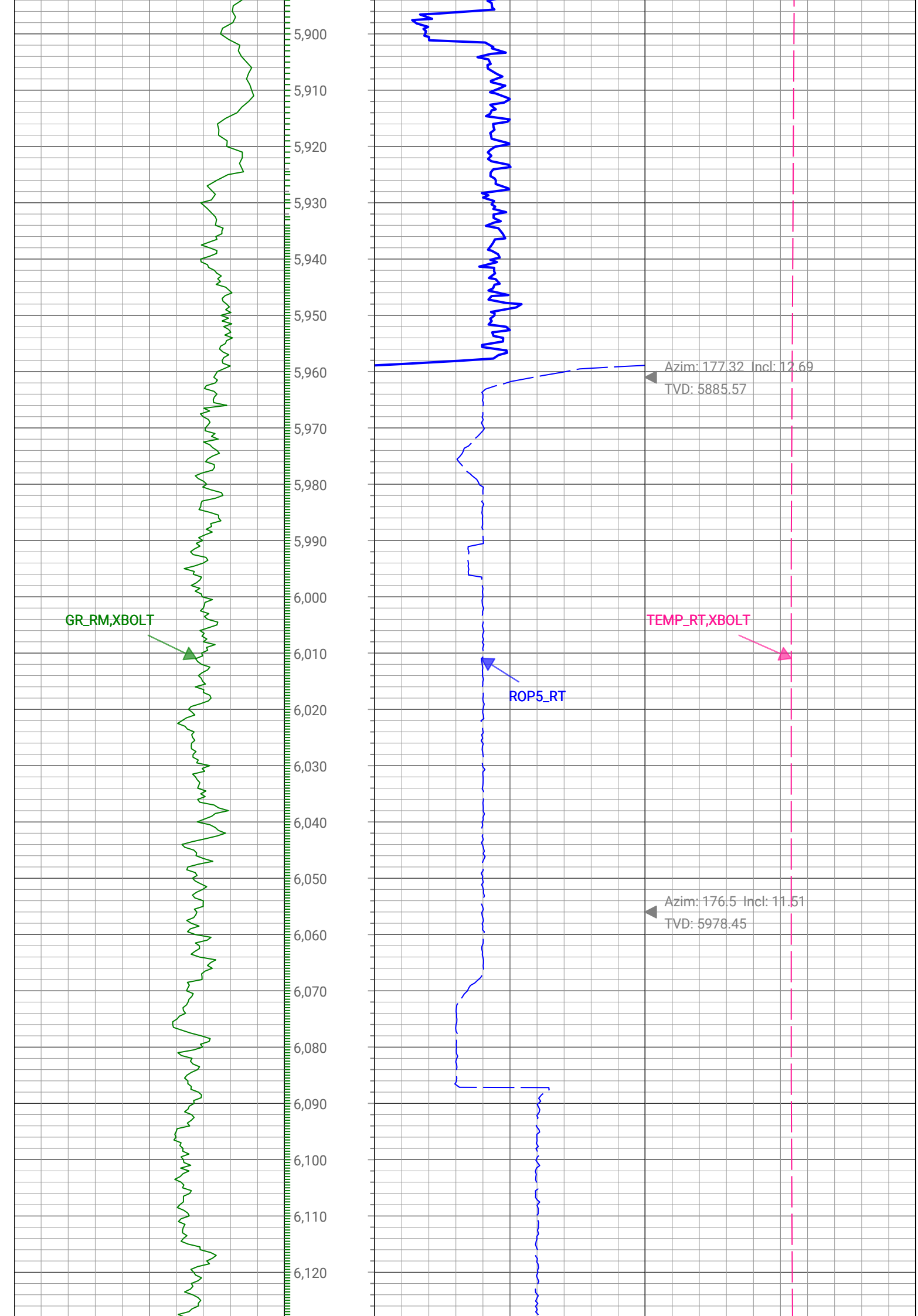
5,800
5,810
5,820
5,830
5,840
5,850
5,860
5,870
5,880
5,890
GR_RM,XBOLT
ROP5_RT
Azim: 178.72 Incl: 18.05
TVD: 5608.72
Azim: 179.37 Incl: 12.94
TVD: 5700.31
TEMP_RT,XBOLT
Azim: 178.72 Incl: 12.85
TVD: 5792.92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6,040
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6,060
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6,080
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6,100
6,110
6,120
GR_RM,XBOLT
ROP5_RT
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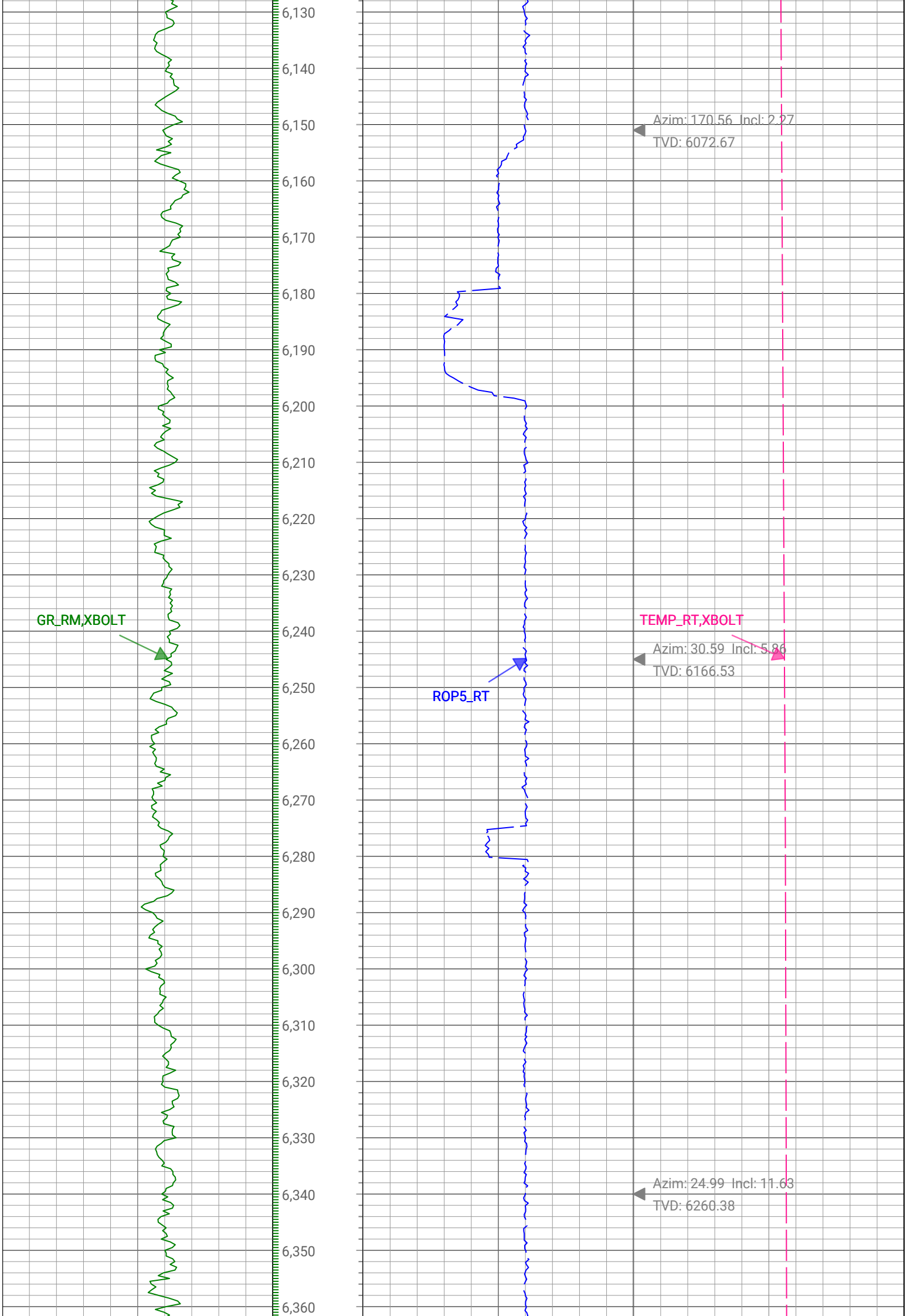
TVD: 5885.57
TEMP_RT,XBOLT
Azim: 176.5 Incl: 11.51
TVD: 5978.45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6,280
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6,300
6,310
6,320
6,330
6,340
6,350
6,360
Azim: 170.56 Incl: 2.27
TVD: 6072.67
GR_RM,XBOLT
TEMP_RT,XBOLT
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TVD: 6166.53
ROP5_RT
Azim: 24.99 Incl: 11.63
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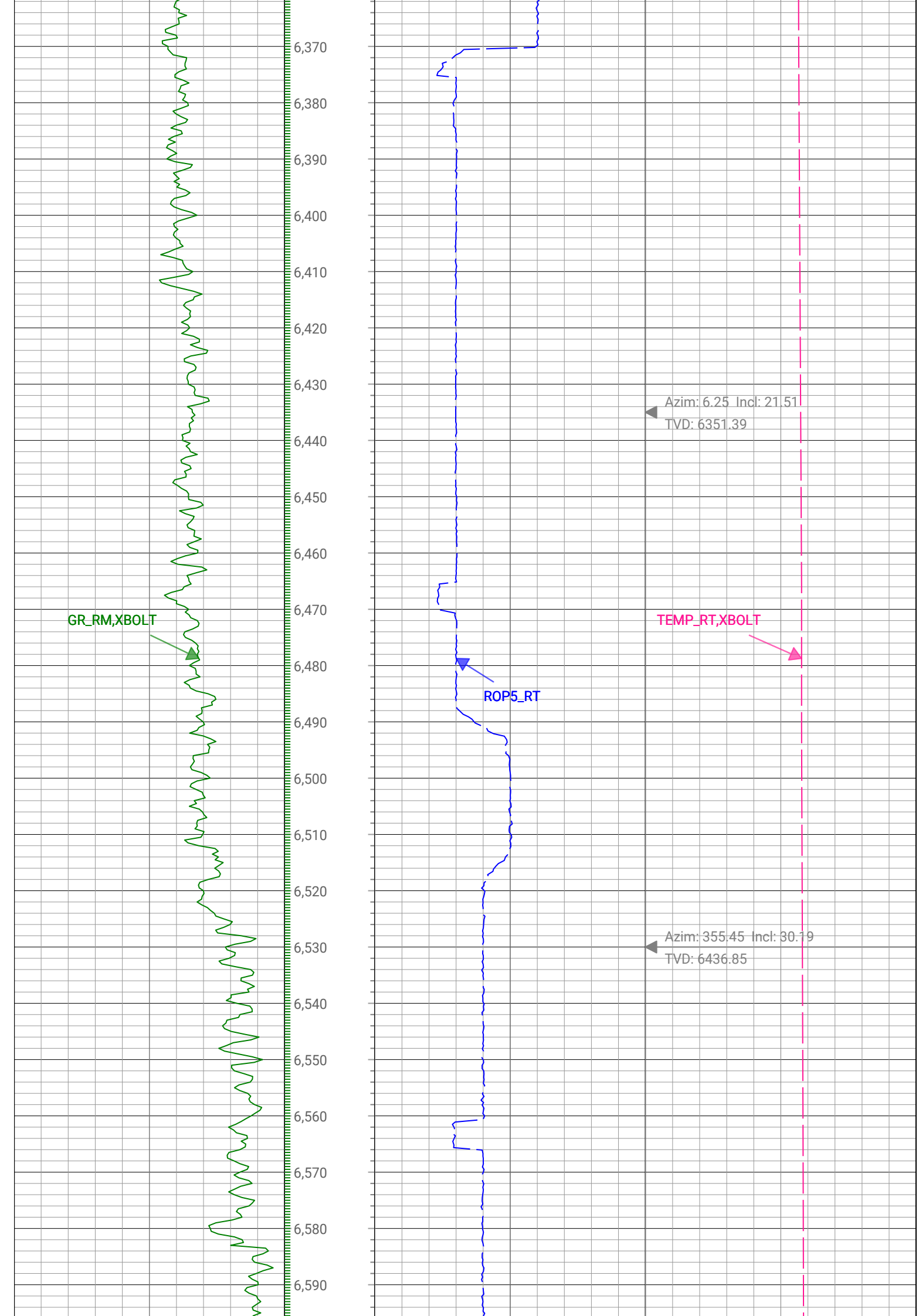
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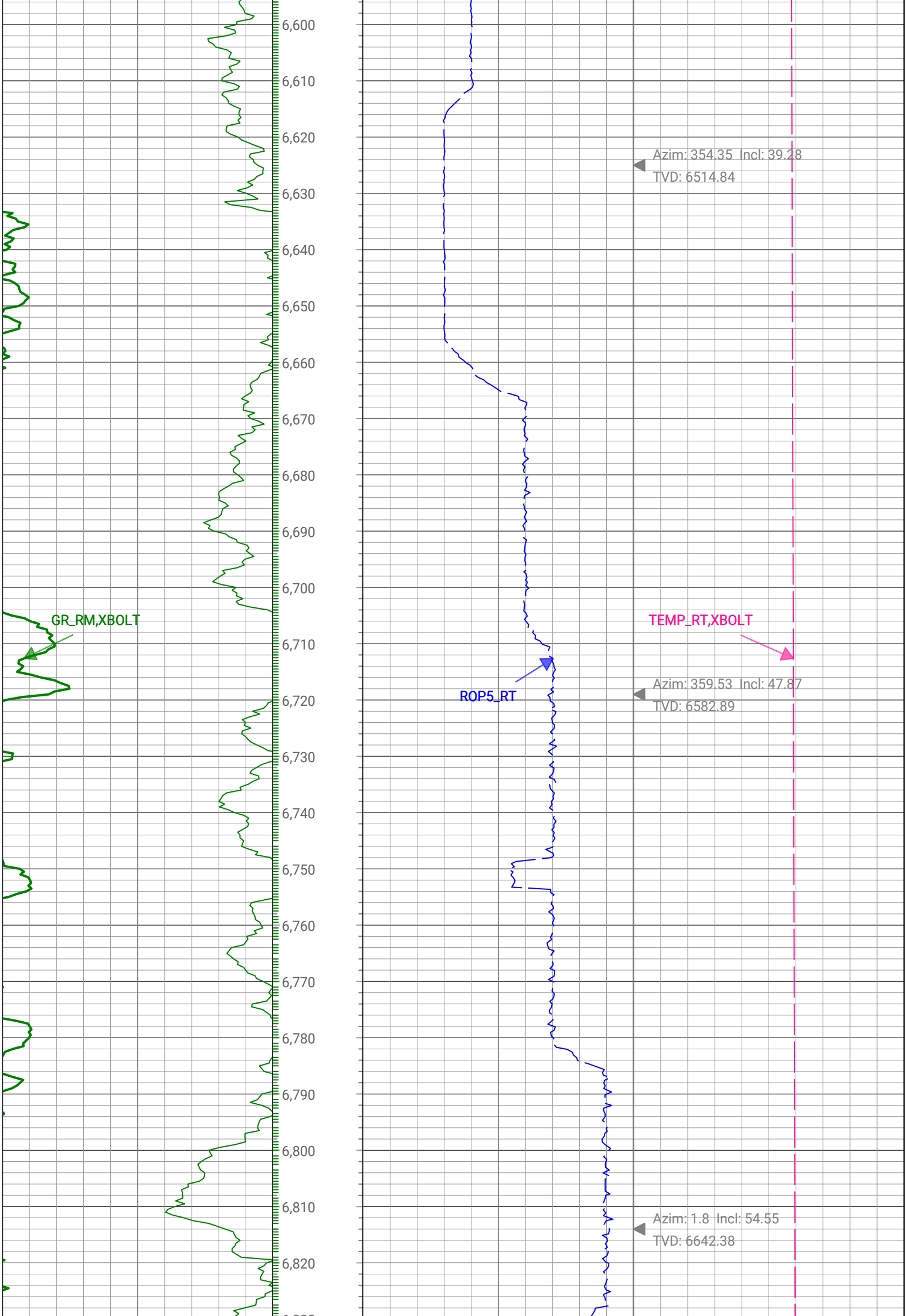
6,520
6,530
6,540
6,550
6,560
6,570
6,580
6,590
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 6.25 Incl: 21.51
TVD: 6351.39
Azim: 355.45 Incl: 30.19
TVD: 6436.85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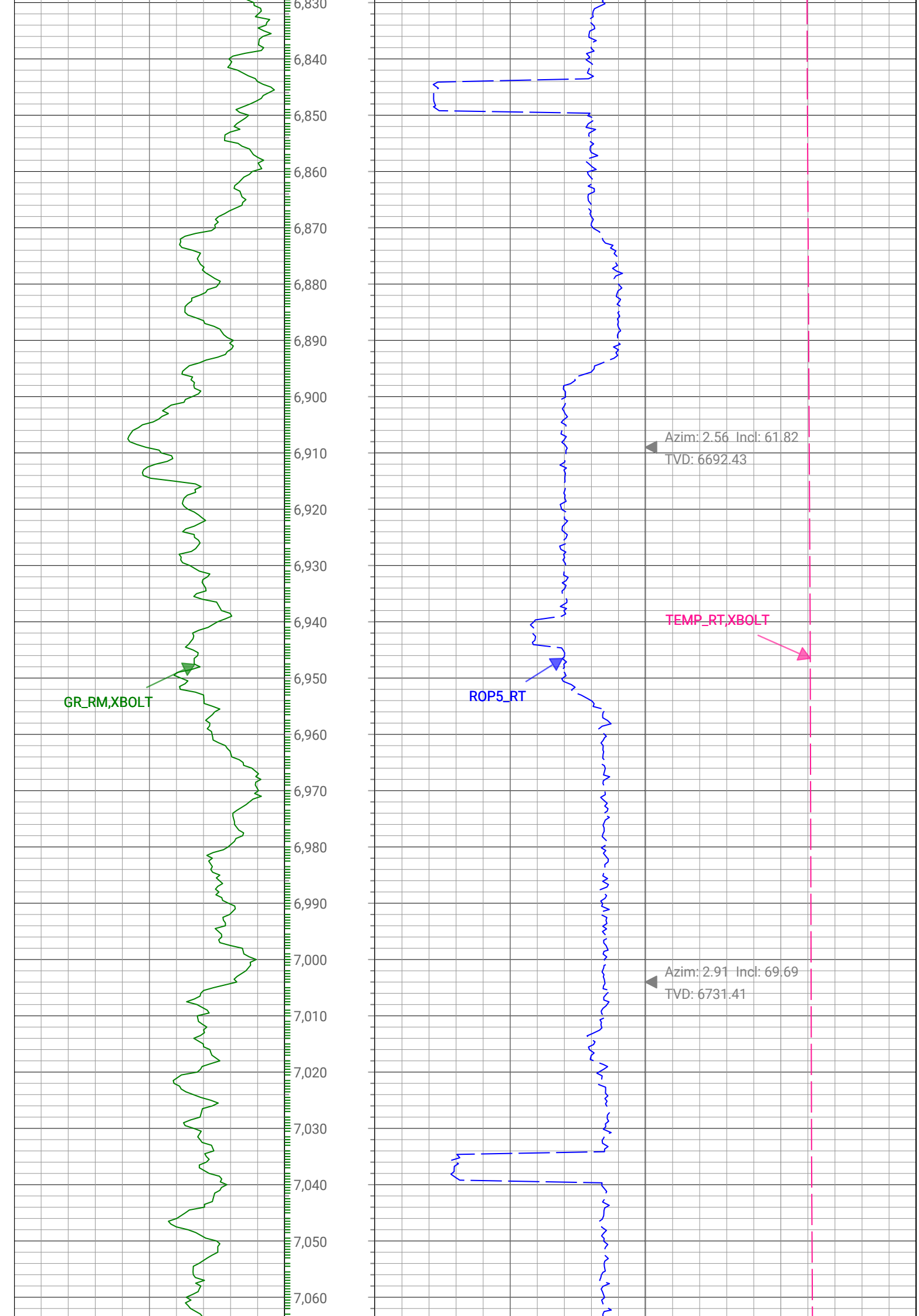
6,750
6,760
6,770
6,780
6,790
6,800
6,810
6,820
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 354.35 Incl: 39.28
TVD: 6514.84
Azim: 359.53 Incl: 47.87
TVD: 6582.89
Azim: 1.8 Incl: 54.55
TVD: 6642.38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6,970
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6,990
7,000
7,010
7,020
7,030
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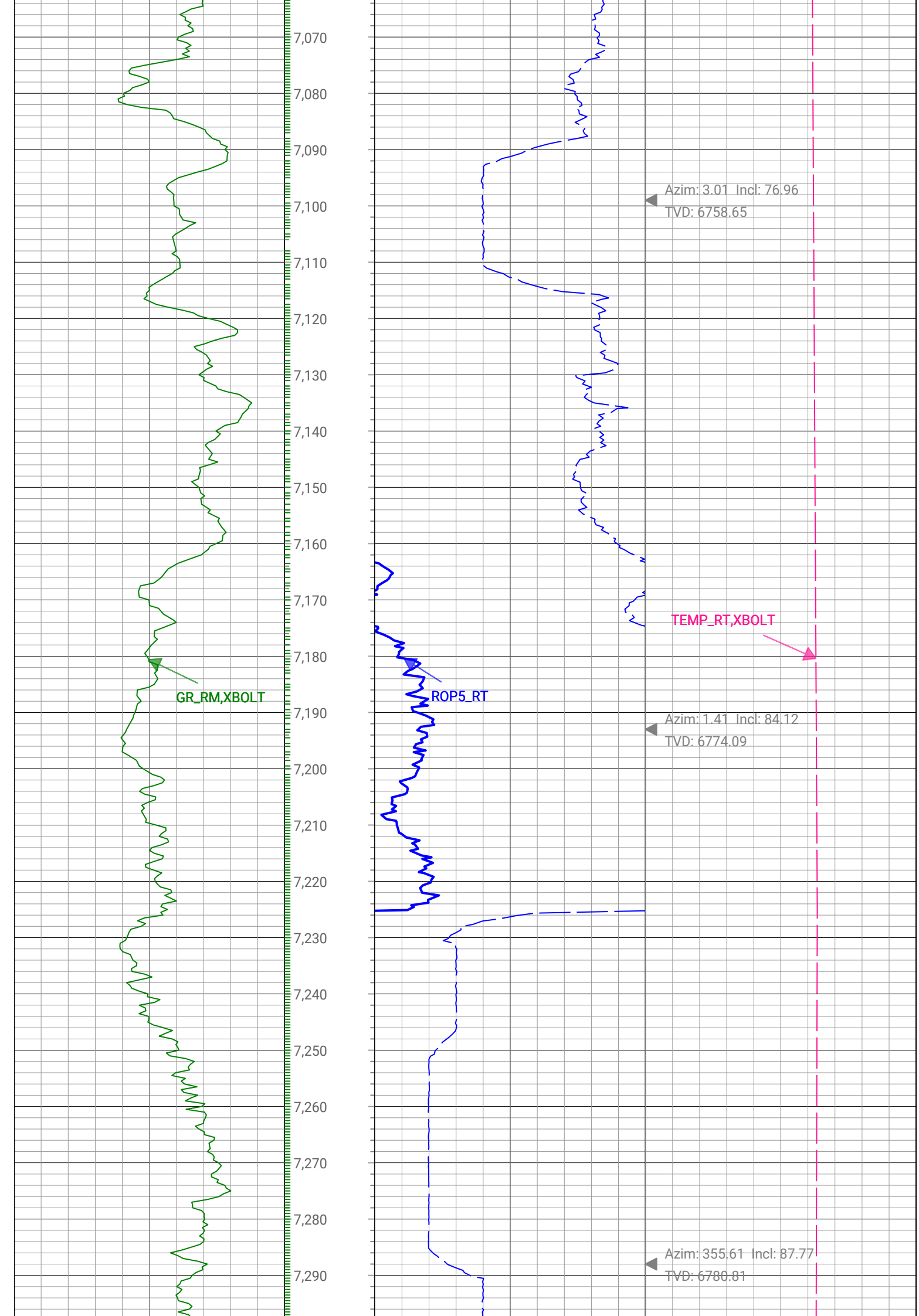
7,050
7,060
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 2.56 Incl: 61.82
TVD: 6692.43
Azim: 2.91 Incl: 69.69
TVD: 6731.41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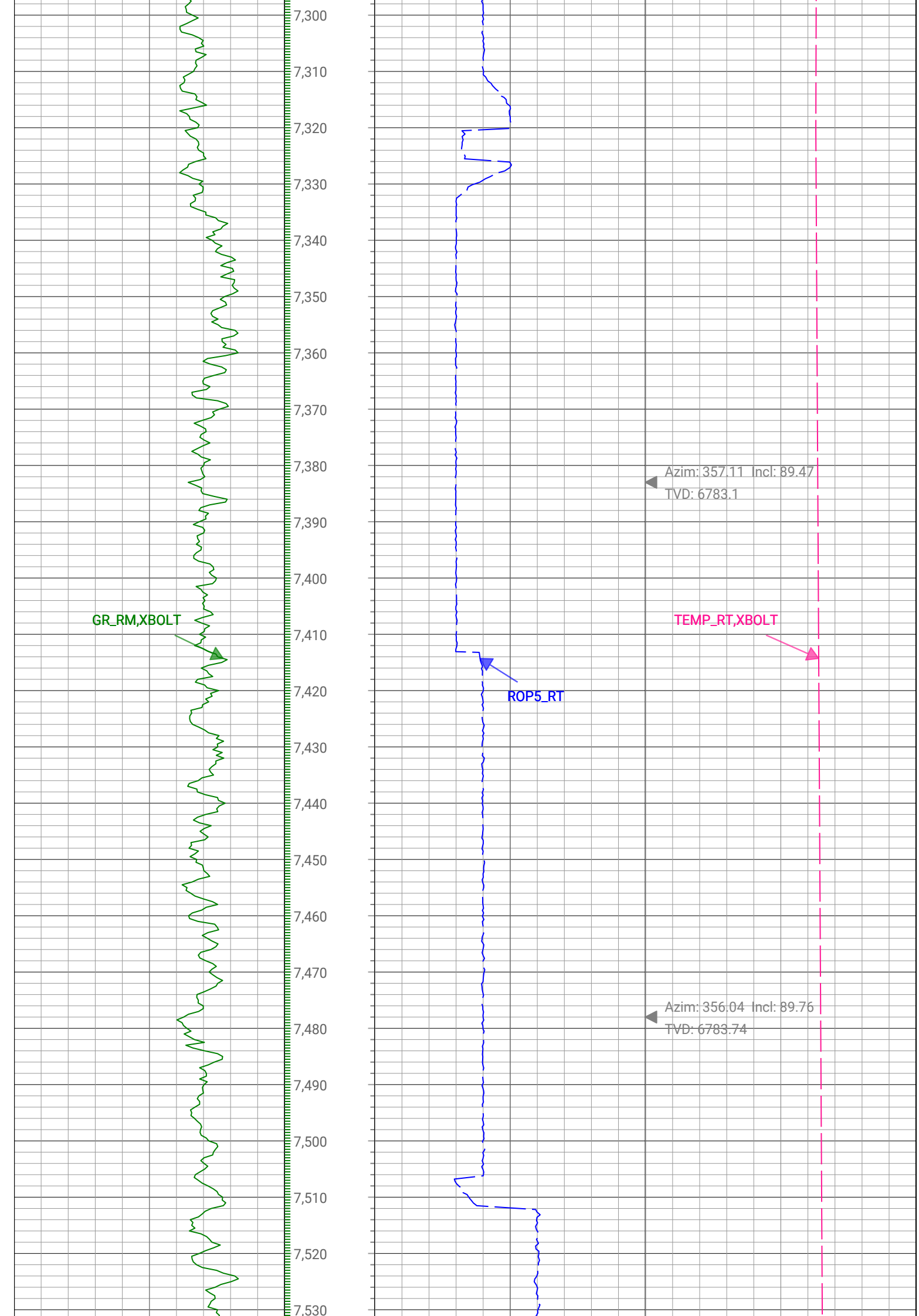
7,290
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 3.01 Incl: 76.96
TVD: 6758.65
Azim: 1.41 Incl: 84.12
TVD: 6774.09
Azim: 355.61 Incl: 87.77
TVD: 6780.81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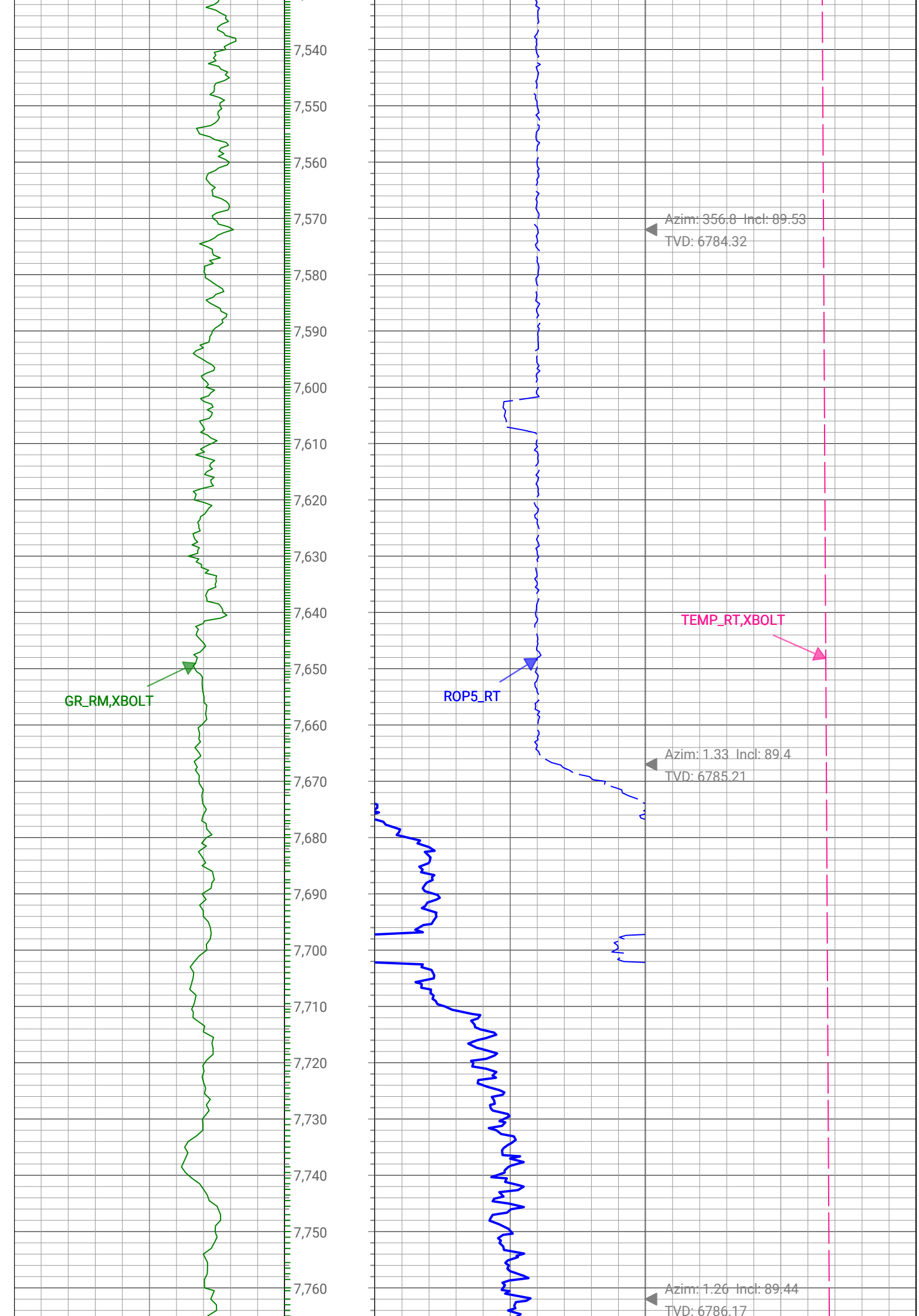
7,440
7,450
7,460
7,470
7,480
7,490
7,500
7,510
7,520
7,530
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 357.11 Incl: 89.47
TVD: 6783.1
Azim: 356.04 Incl: 89.76
TVD: 6783.74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7,680
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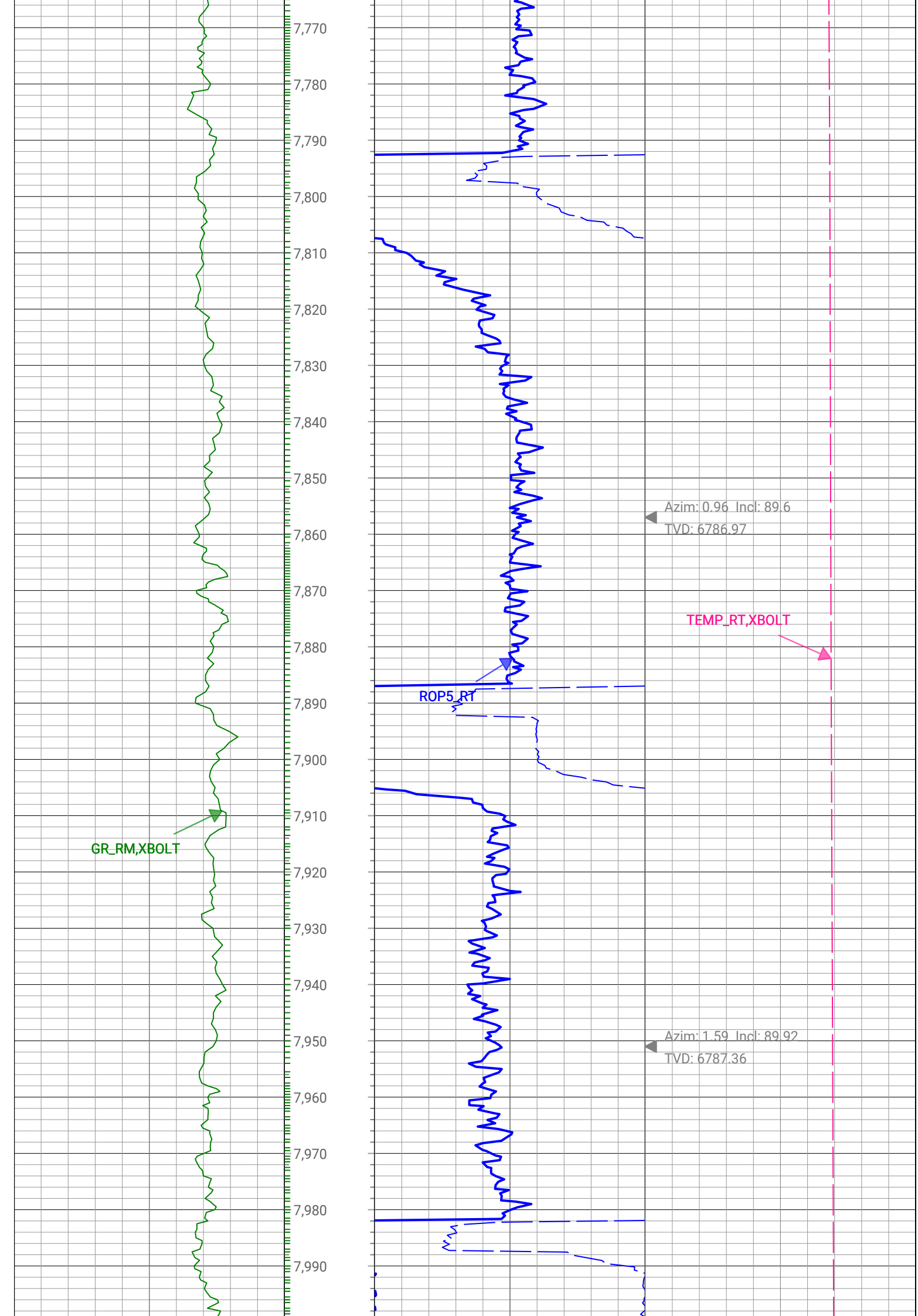
7,710
7,720
7,730
7,740
7,750
7,760
Azim: 356.8 Incl: 89.53
TVD: 6784.32
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 1.33 Incl: 89.4
TVD: 6785.21
Azim: 1.26 Incl: 89.44
TVD: 6786.17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7,890
7,900
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7,960
7,970
7,980
7,990
Azim: 0.96 Incl: 89.6
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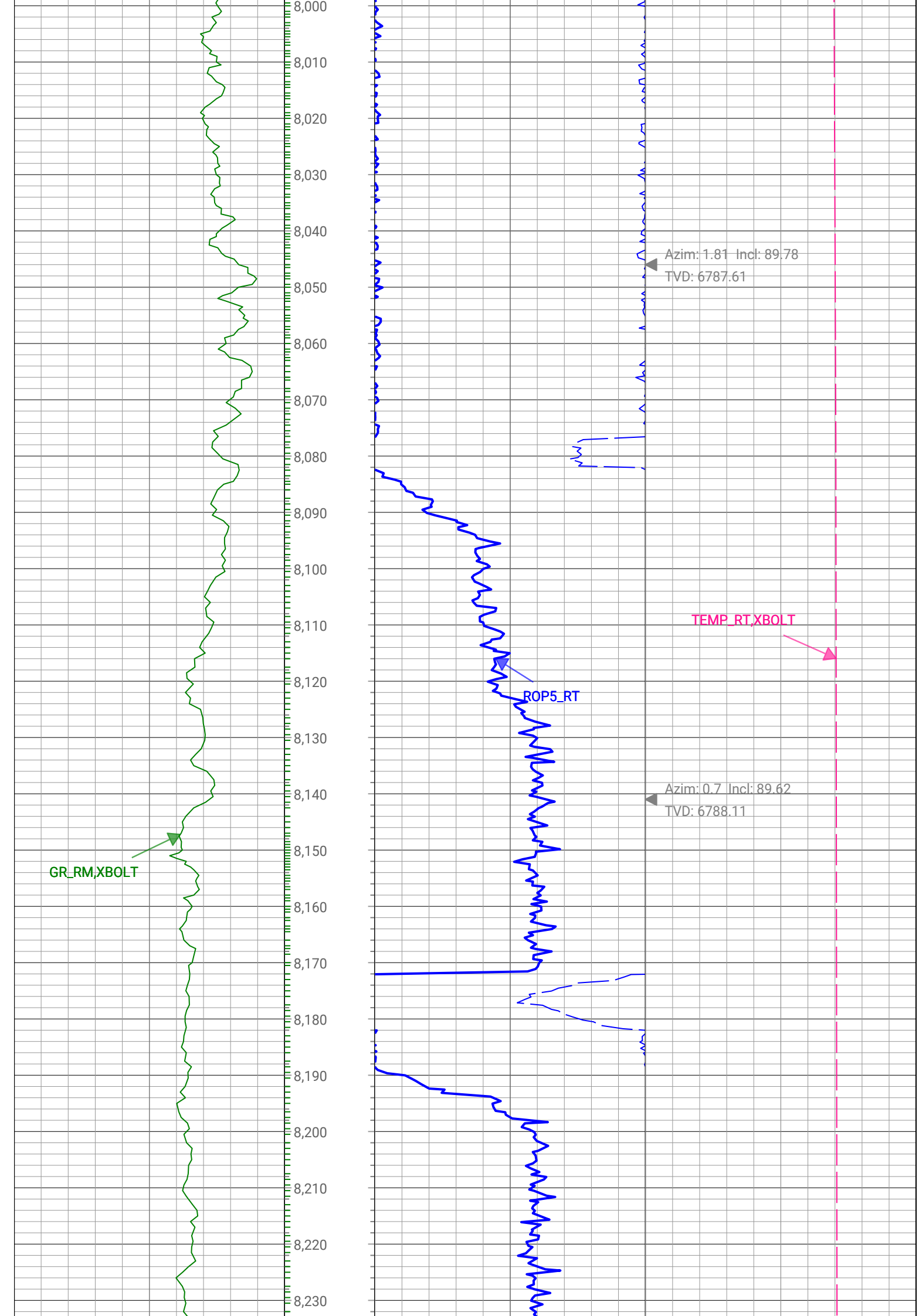
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 1.59 Incl: 89.92
TVD: 6787.36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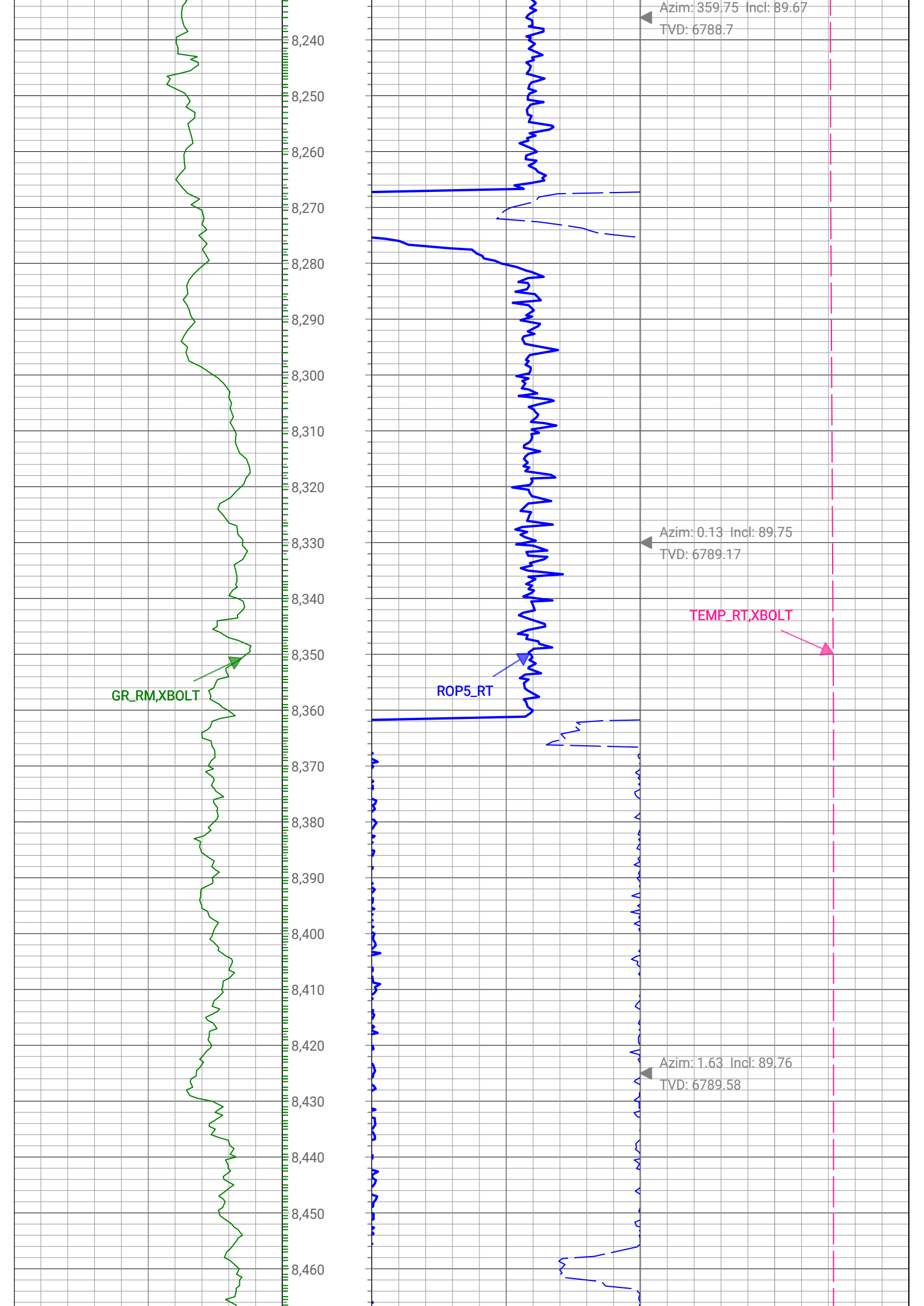
Azim: 1.81 Incl: 89.78
TVD: 6787.61
TEMP_RT,XBOLT
ROP5_RT
Azim: 0.7 Incl: 89.62
TVD: 6788.11
GR_RM,XBOLT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TVD: 6788.7
Azim: 0.13 Incl: 89.75
TVD: 6789.17
Azim: 1.63 Incl: 89.76
TVD: 6789.58
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
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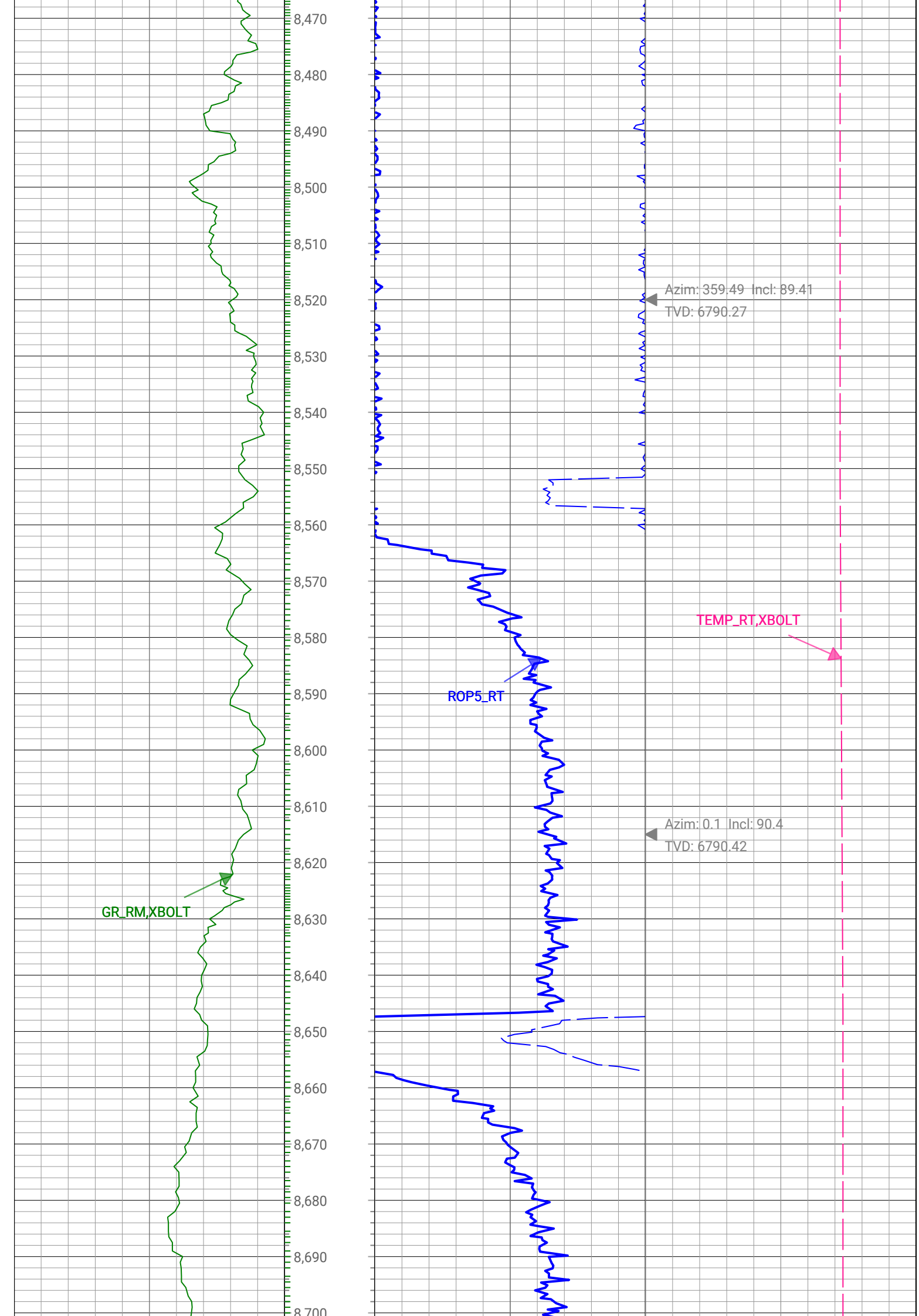
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Azim: 359.49 Incl: 89.41
TVD: 6790.27
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ROP5_RT
Azim: 0.1 Incl: 90.4
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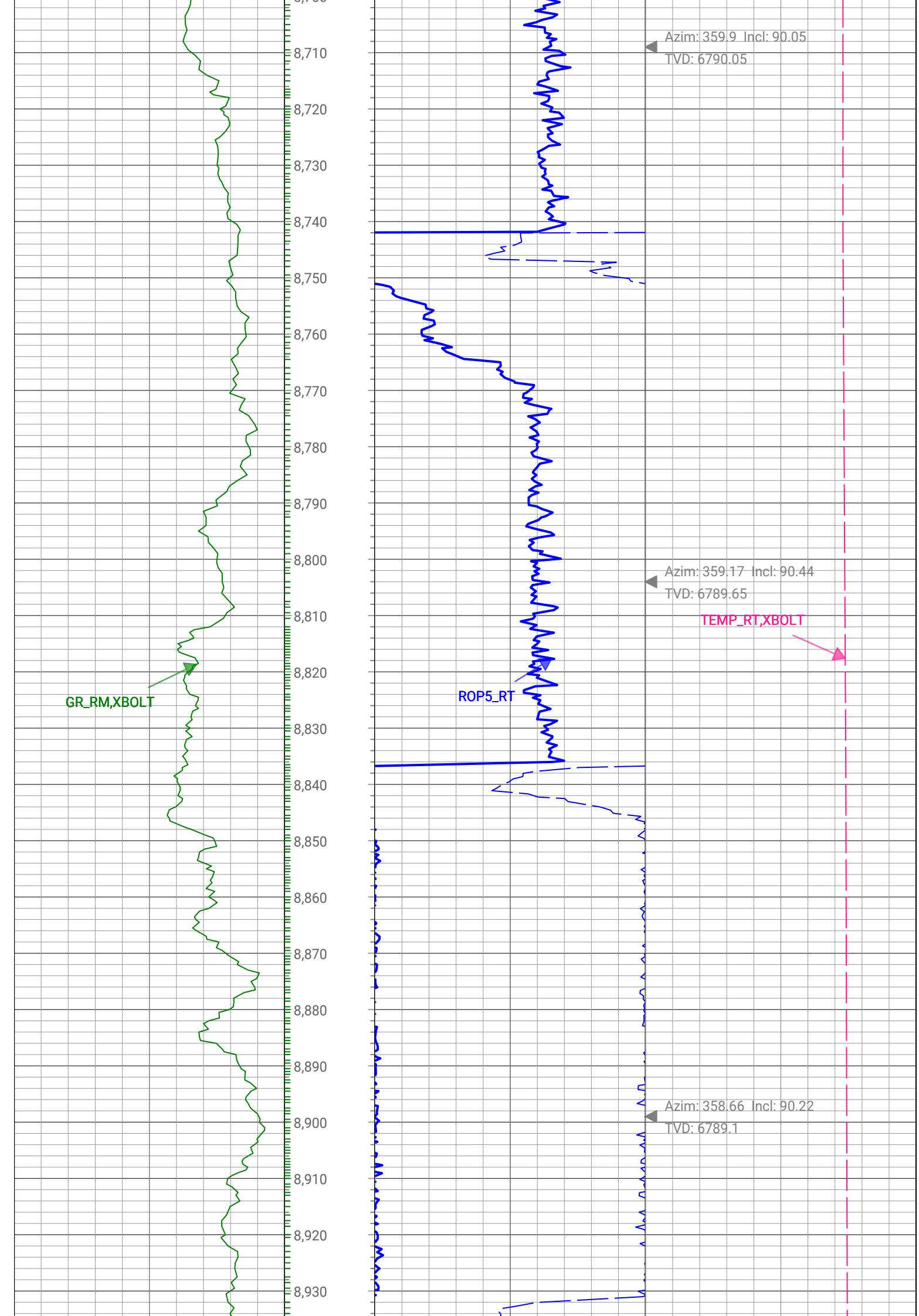
GR_RM,XBOLT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8,920
8,930
Azim: 359.9 Incl: 90.05
TVD: 6790.05
Azim: 359.17 Incl: 90.44
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TVD: 6789.1
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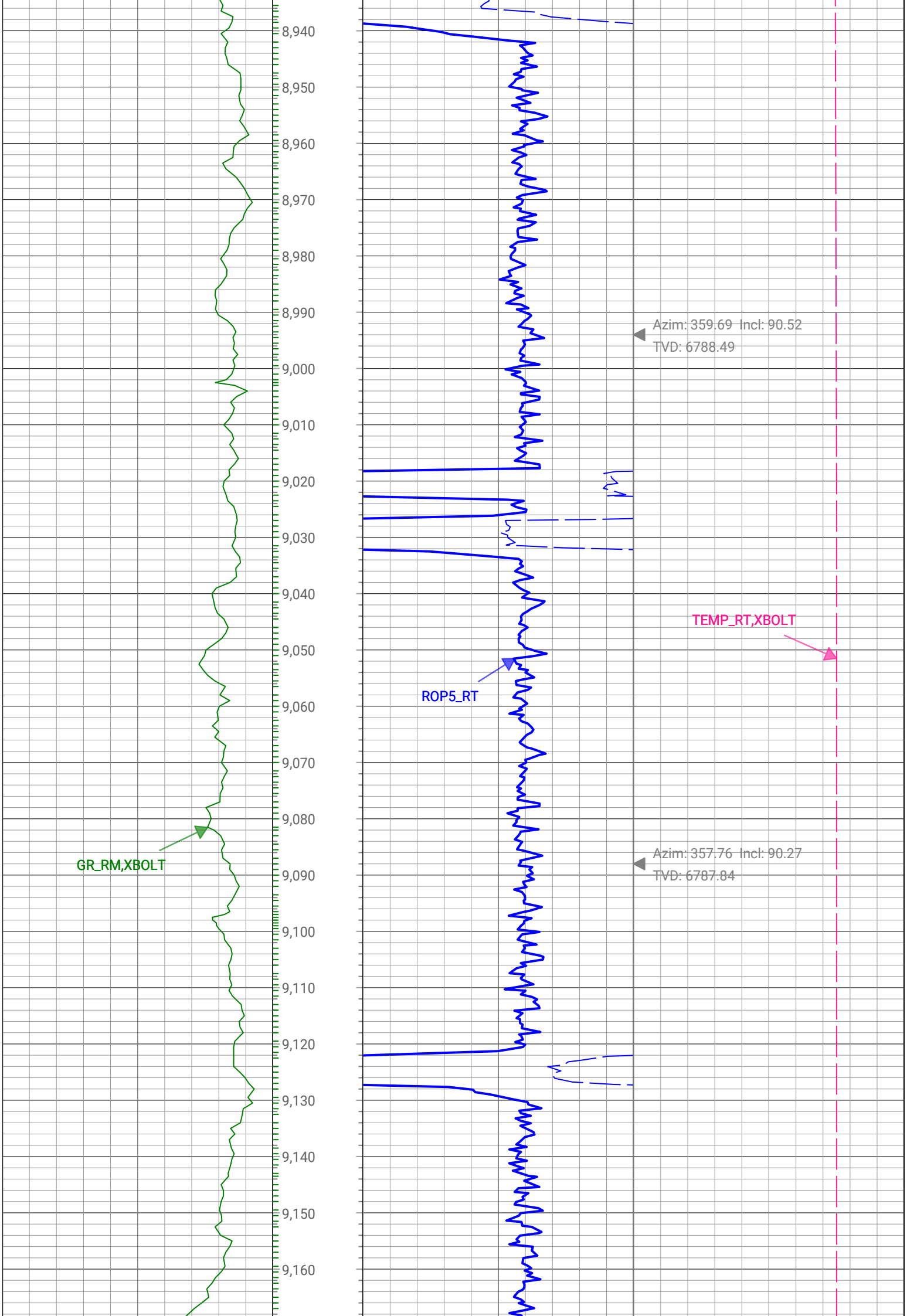
ROP5_RT
TEMP_RT,XBOLT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9,100
9,110
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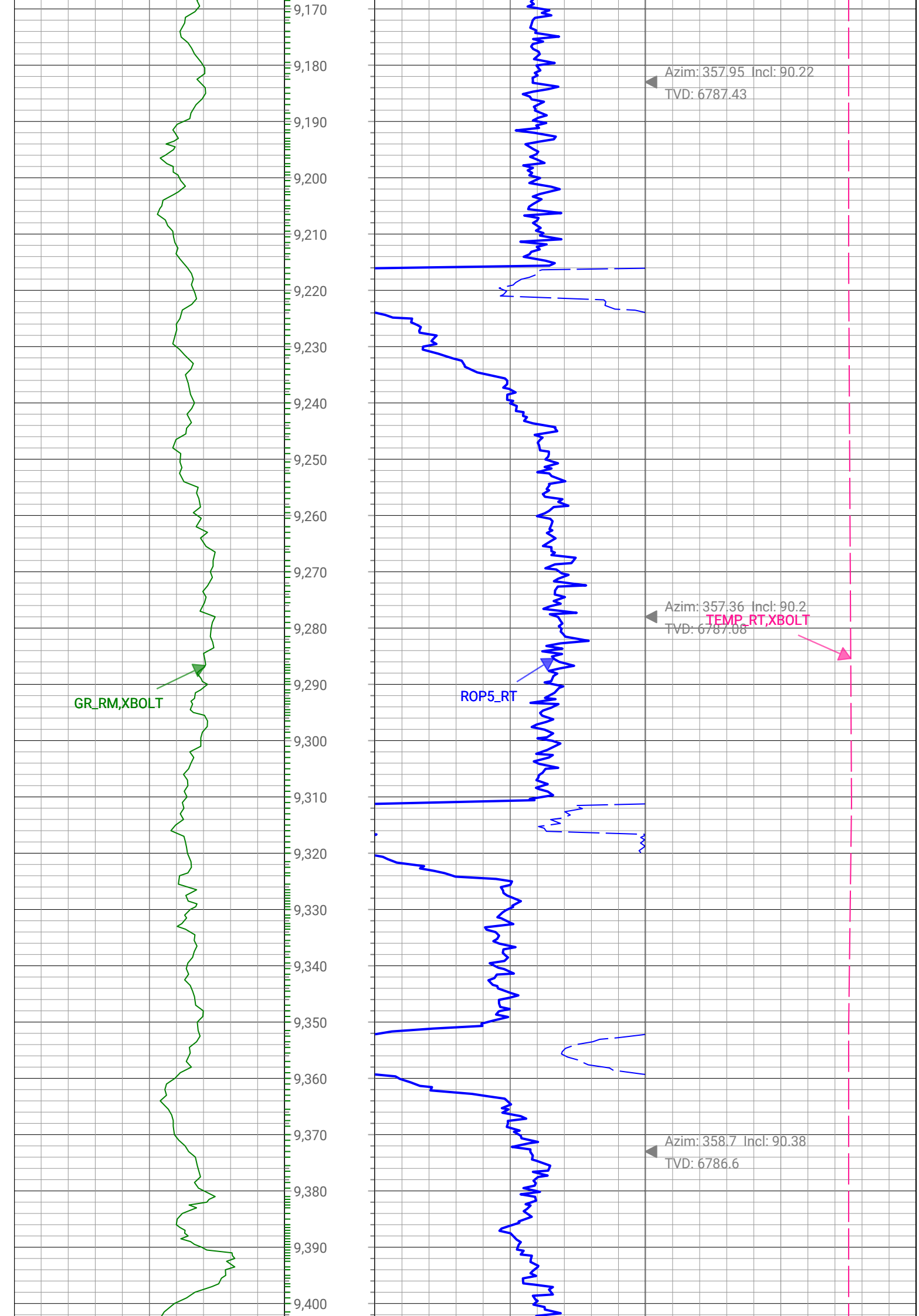
Azim: 359.69 Incl: 90.52
TVD: 6788.49
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 357.76 Incl: 90.27
TVD: 6787.84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Azim: 357.95 Incl: 90.22
TVD: 6787.43
Azim: 357.36 Incl: 90.2
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Azim: 358.7 Incl: 90.38
TVD: 6786.6
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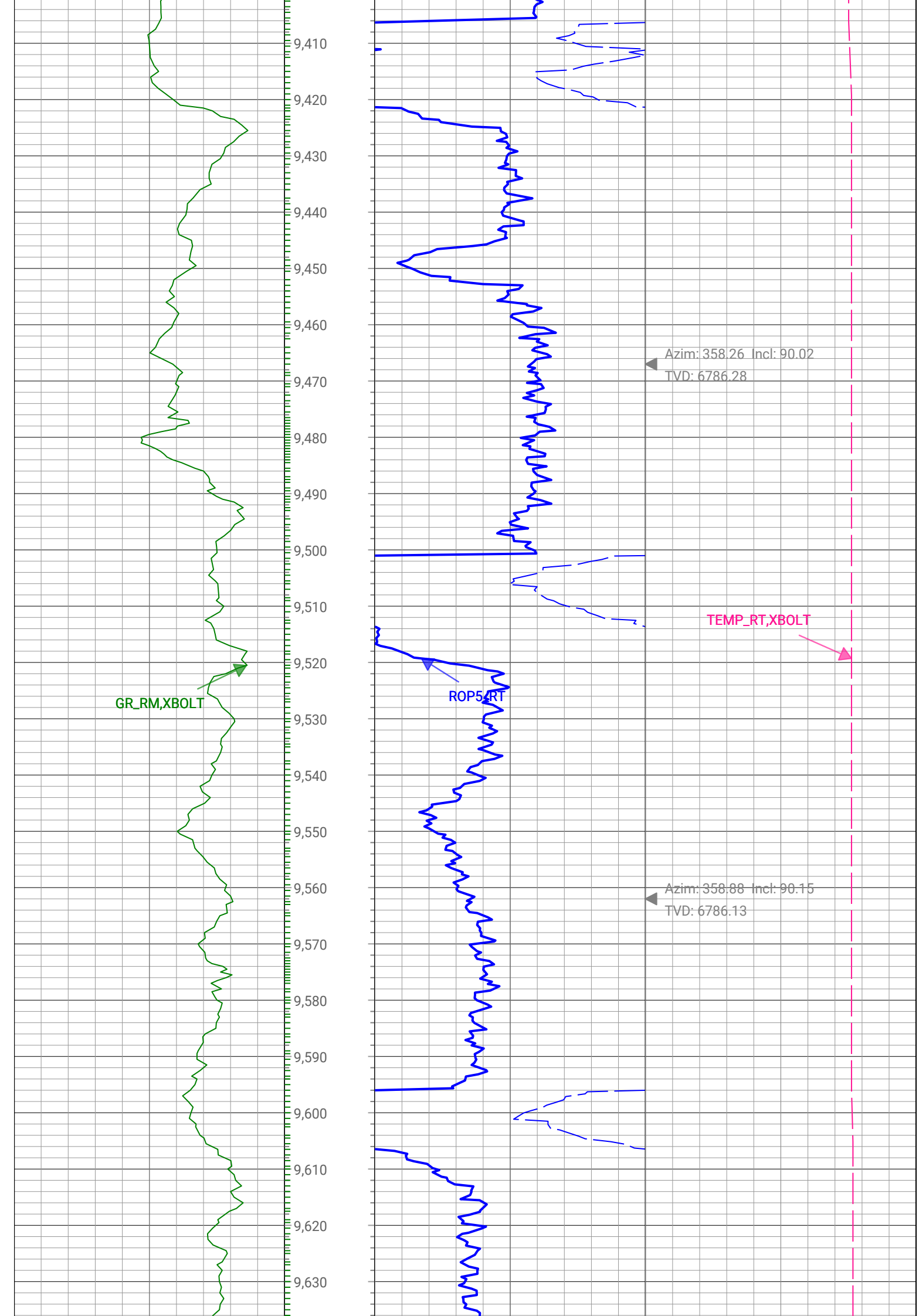
ROP5_RT
TEMP_RT,XBOLT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GR_RM,XBOLT
ROP5_RT
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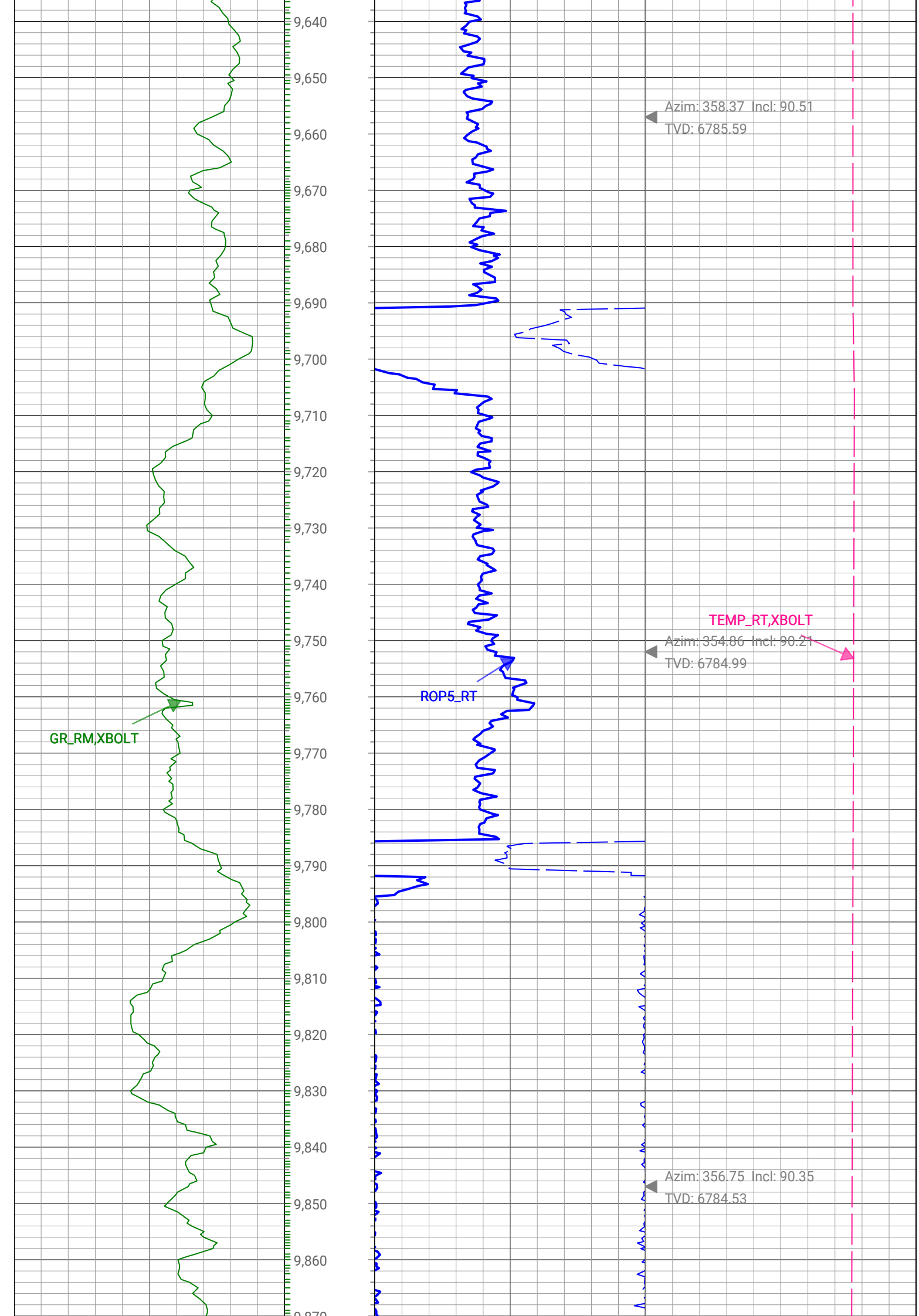
TVD: 6786.13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TVD: 6785.59
TEMP_RT,XBOLT
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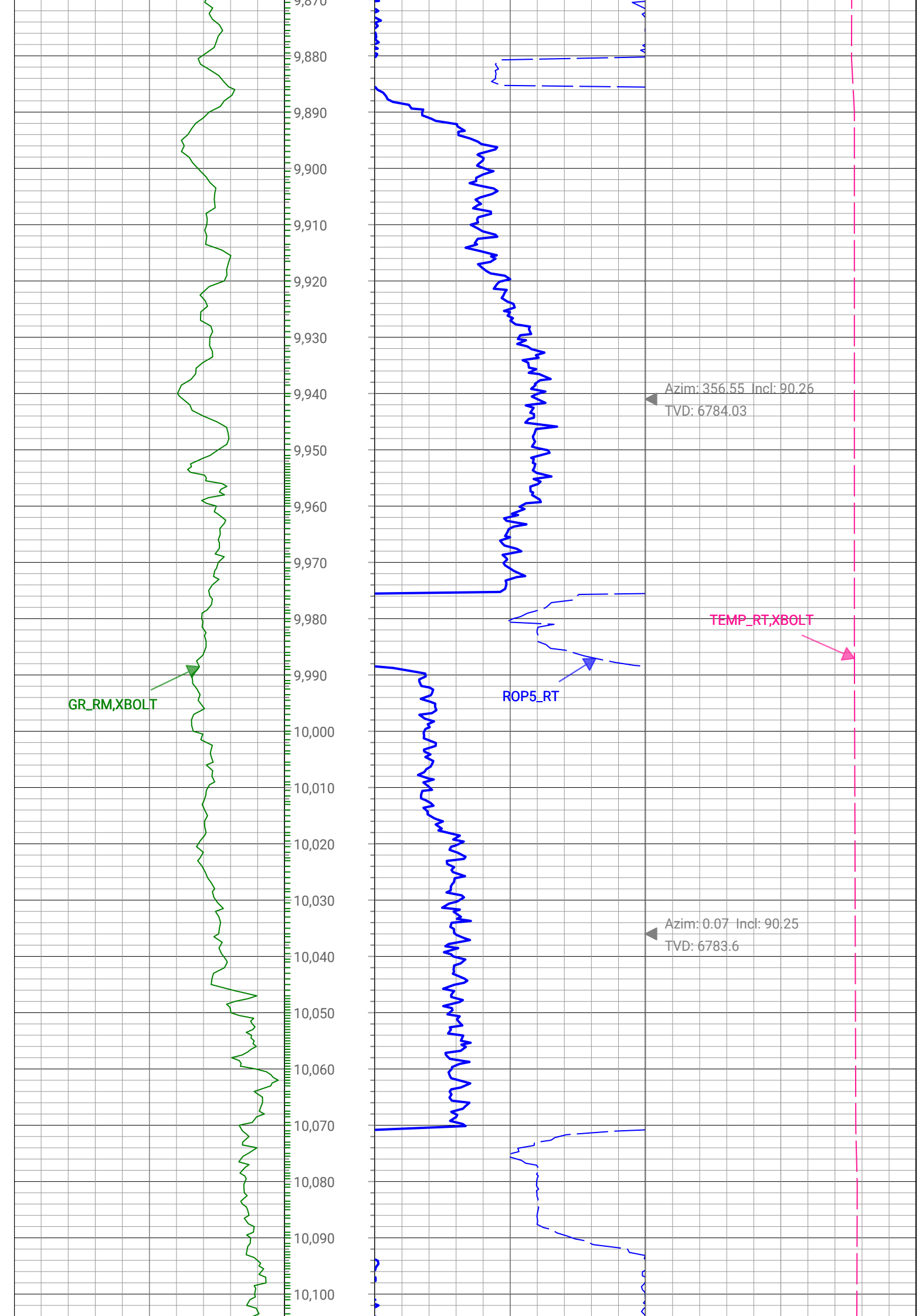
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10,070
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Azim: 356.55 Incl: 90.26
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ROP5_RT
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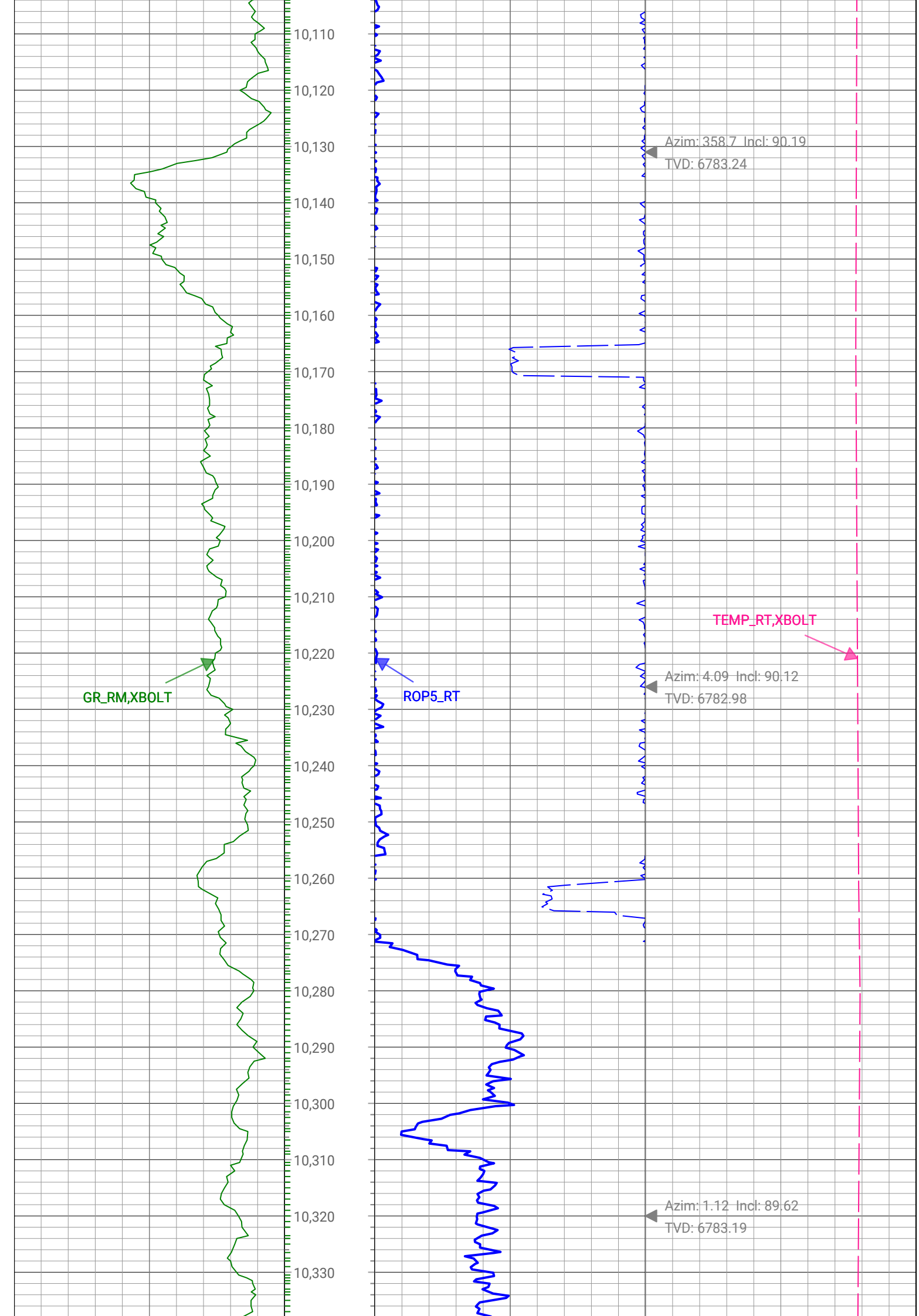
TVD: 6783.6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TVD: 6783.24
TEMP_RT,XBOLT
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TVD: 6782.98
GR_RM,XBOLT
ROP5_RT
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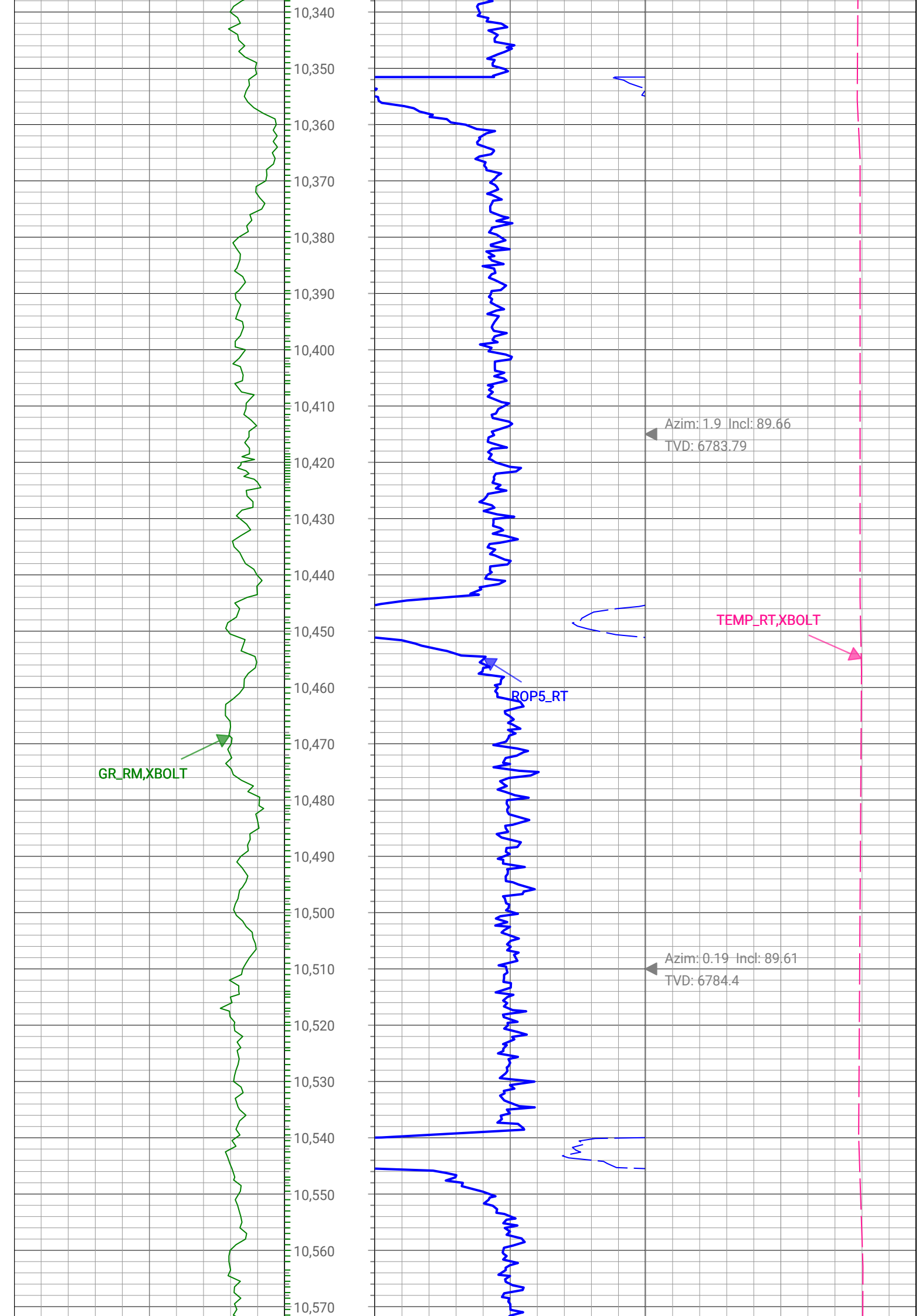
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10,570
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ROP5_RT
GR_RM,XBOLT
Azim: 0.19 Incl: 89.61
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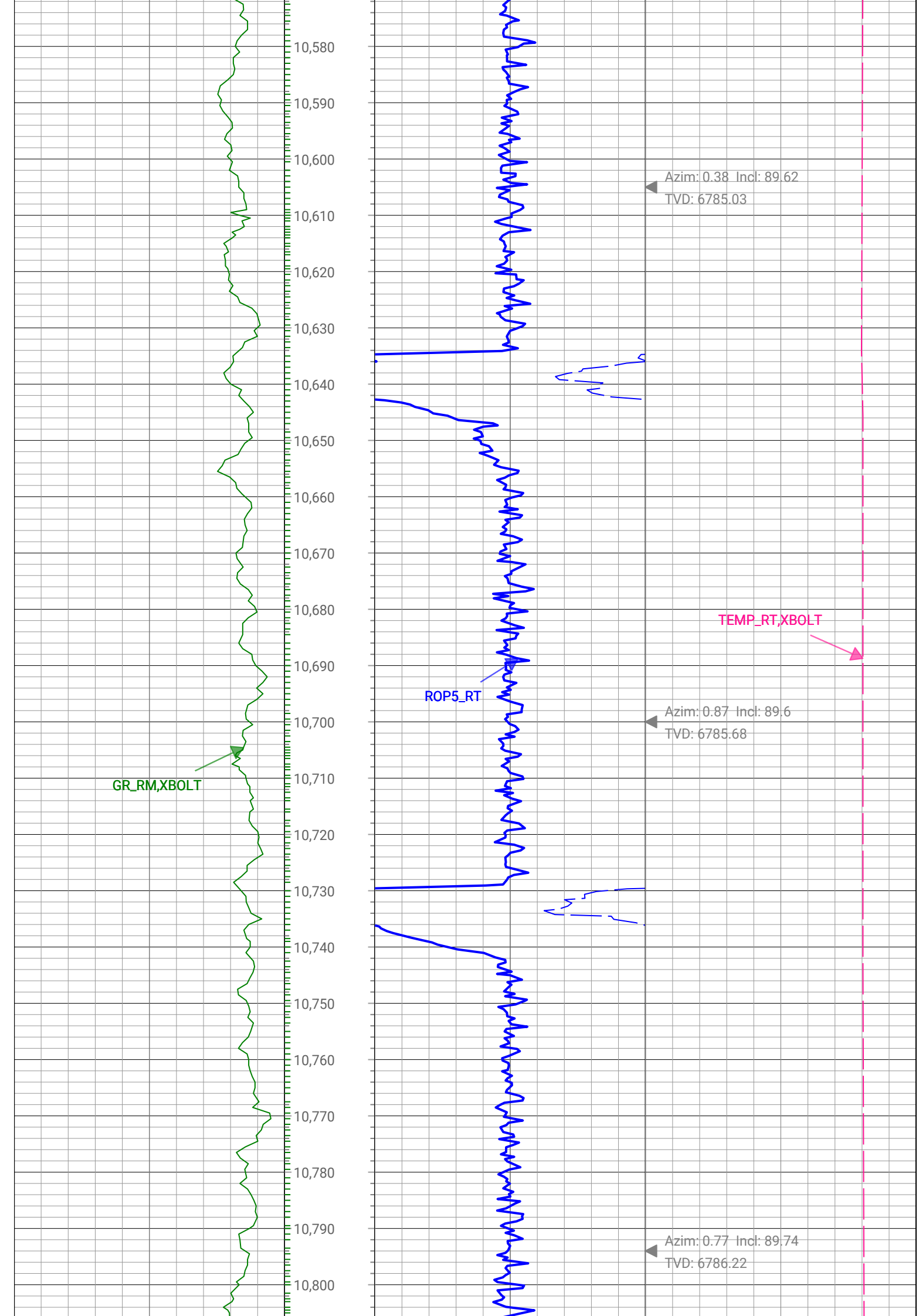
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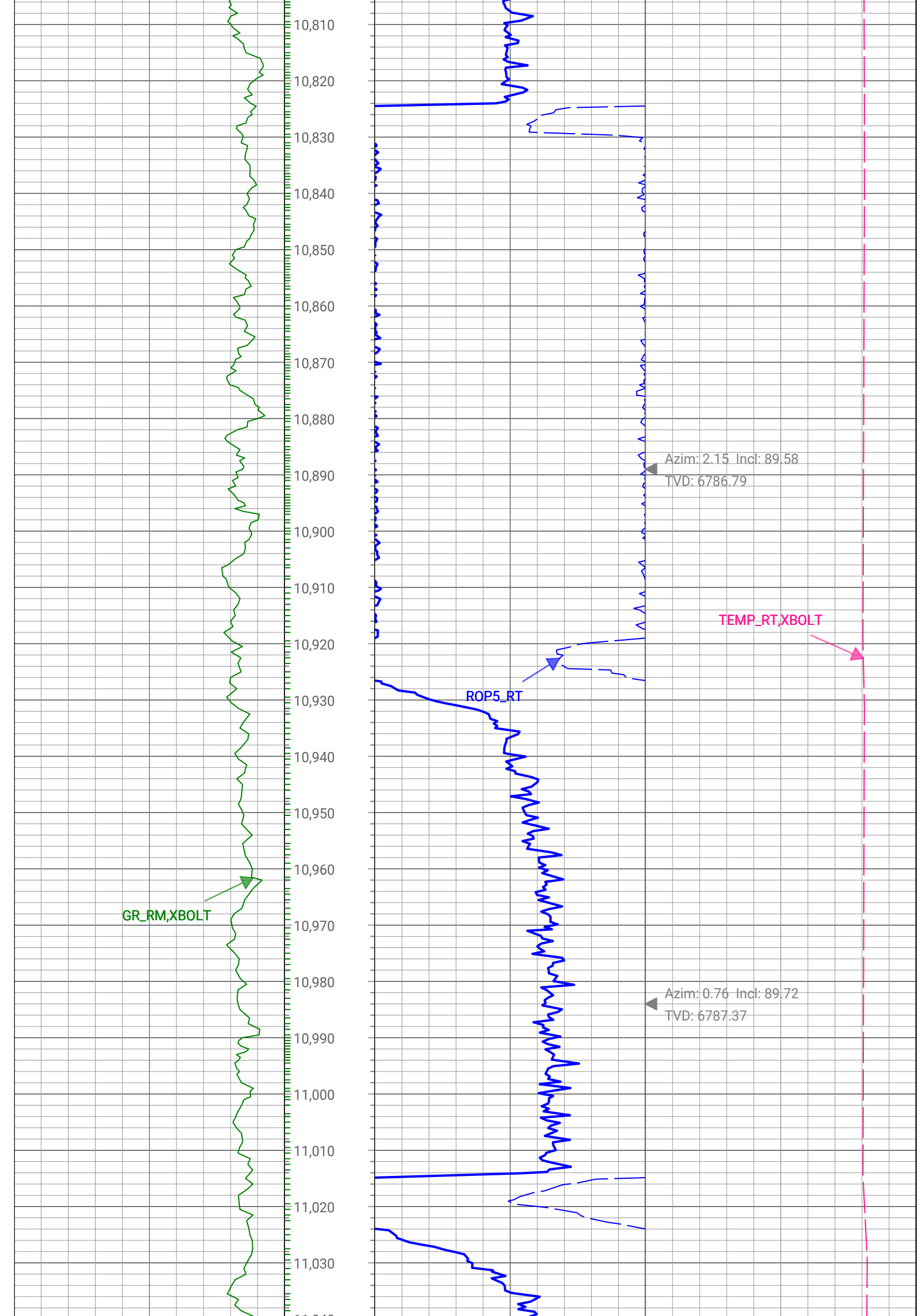
Azim: 0.38 Incl: 89.62
TVD: 6785.03
TEMP_RT,XBOLT
ROP5_RT
Azim: 0.87 Incl: 89.6
TVD: 6785.68
GR_RM,XBOLT
Azim: 0.77 Incl: 89.74
TVD: 6786.22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10,970
10,980
10,990
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Azim: 2.15 Incl: 89.58
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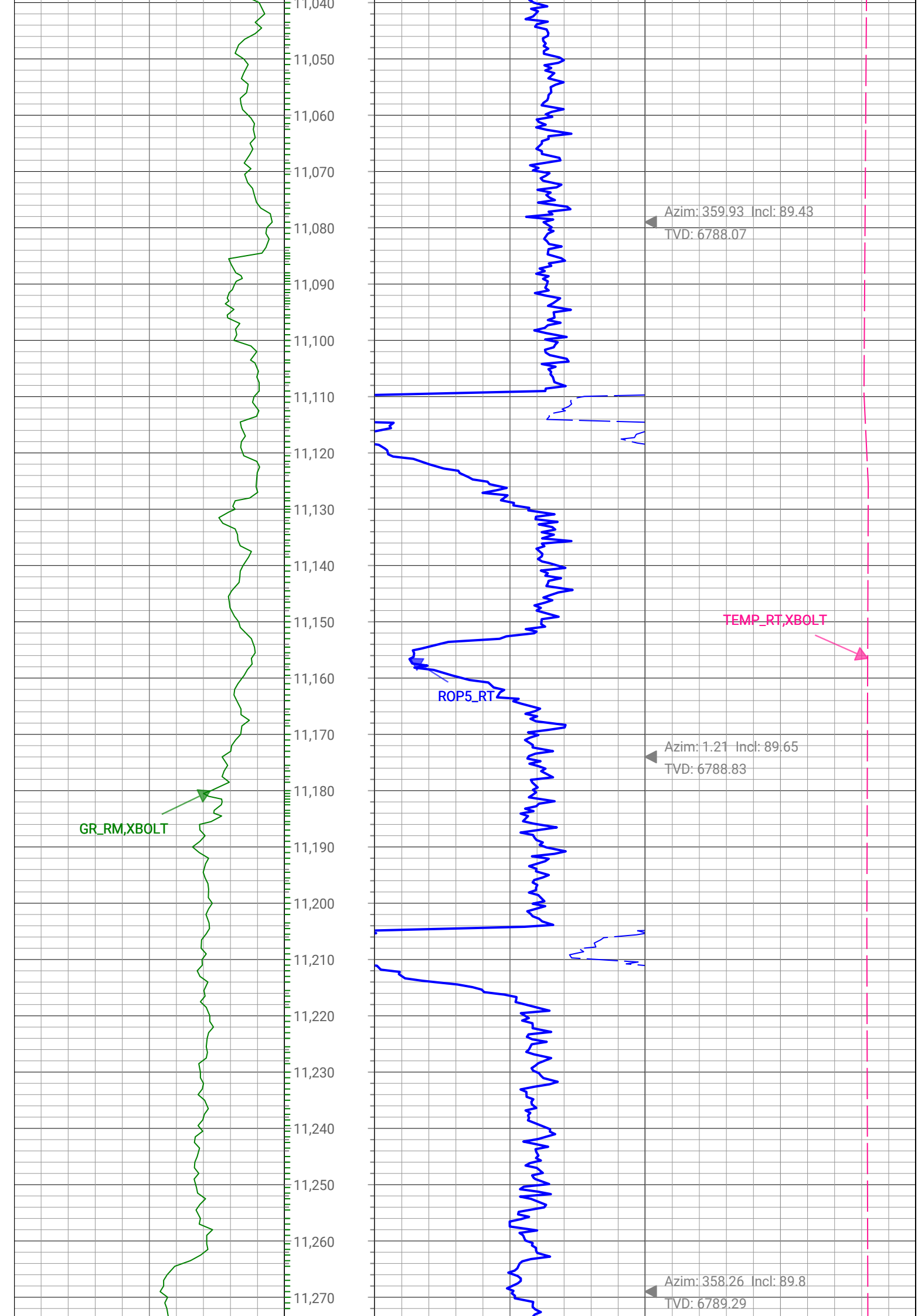
ROP5_RT
GR_RM,XBOLT
Azim: 0.76 Incl: 89.72
TVD: 6787.37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Azim: 359.93 Incl: 89.43
TVD: 6788.07
TEMP_RT,XBOLT
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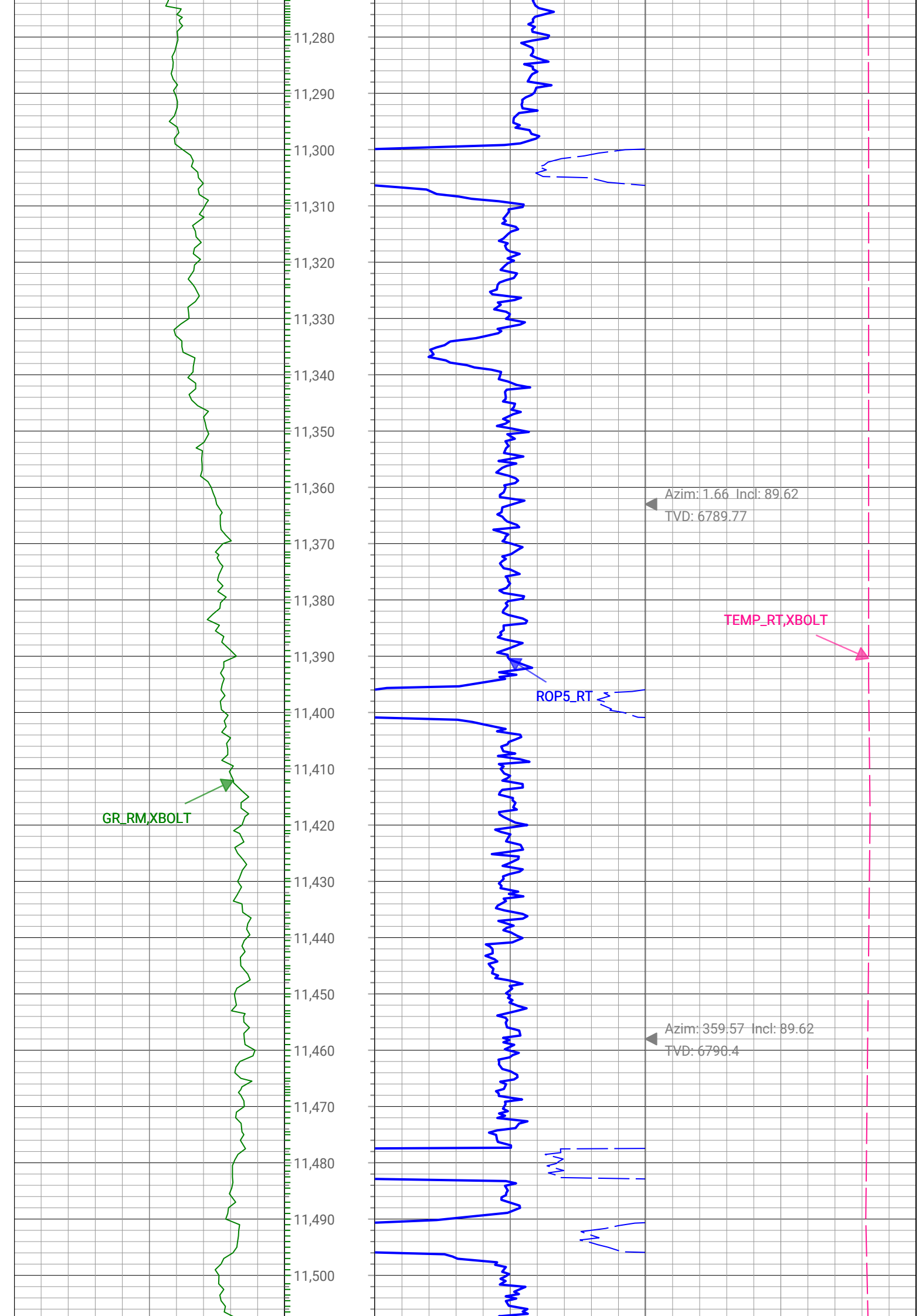
TVD: 6788.83
GR_RM,XBOLT
Azim: 358.26 Incl: 89.8
TVD: 6789.29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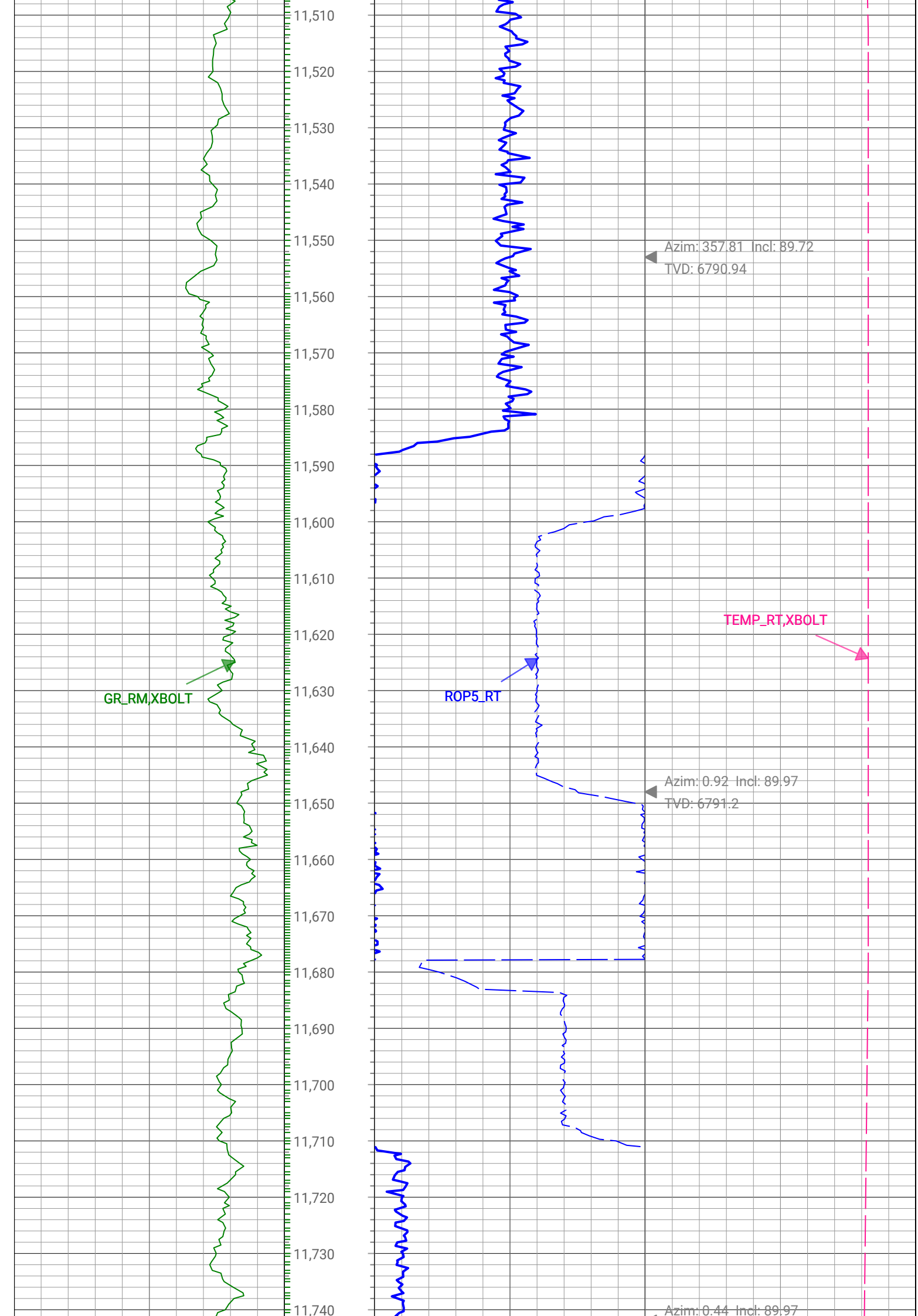
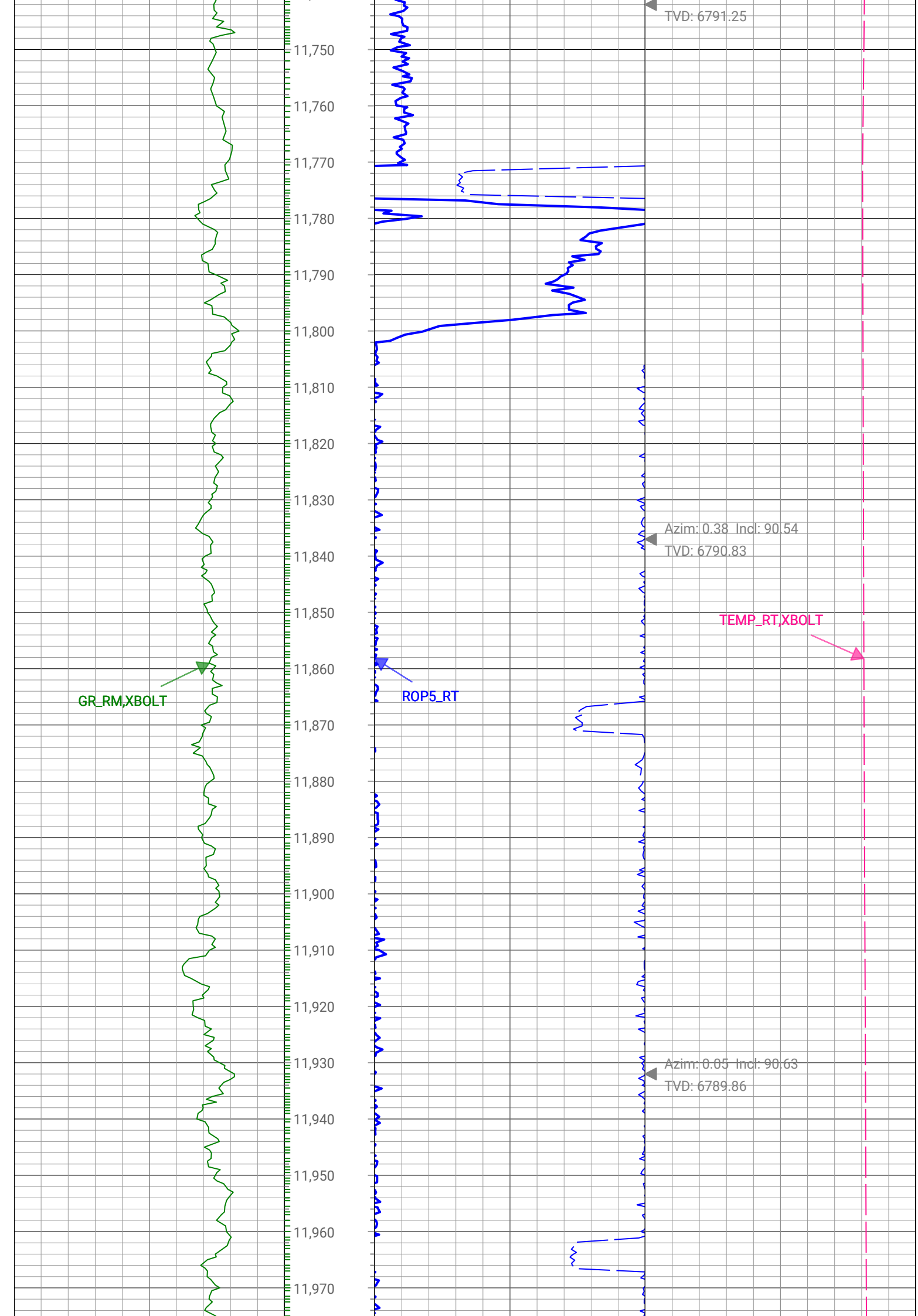
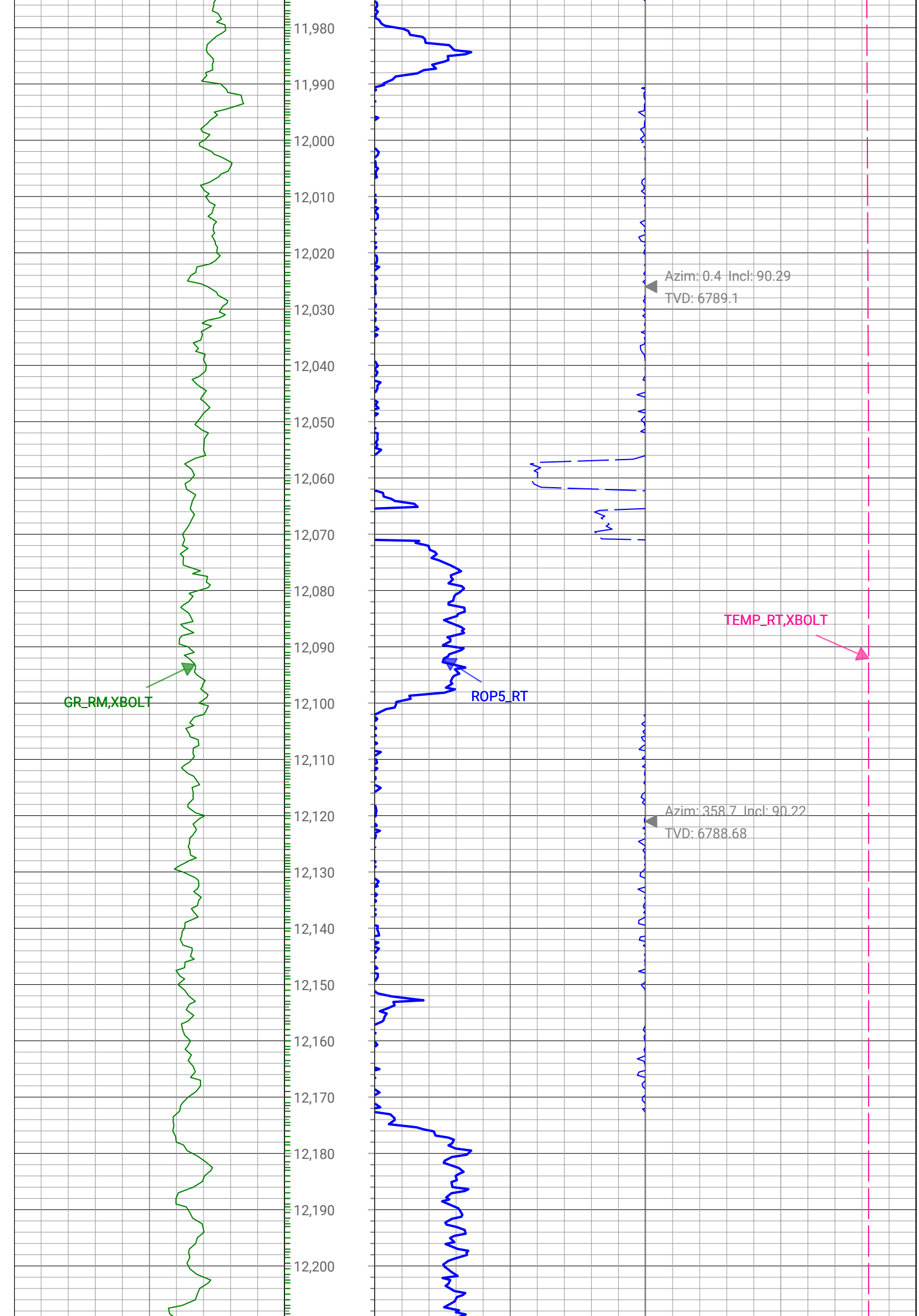
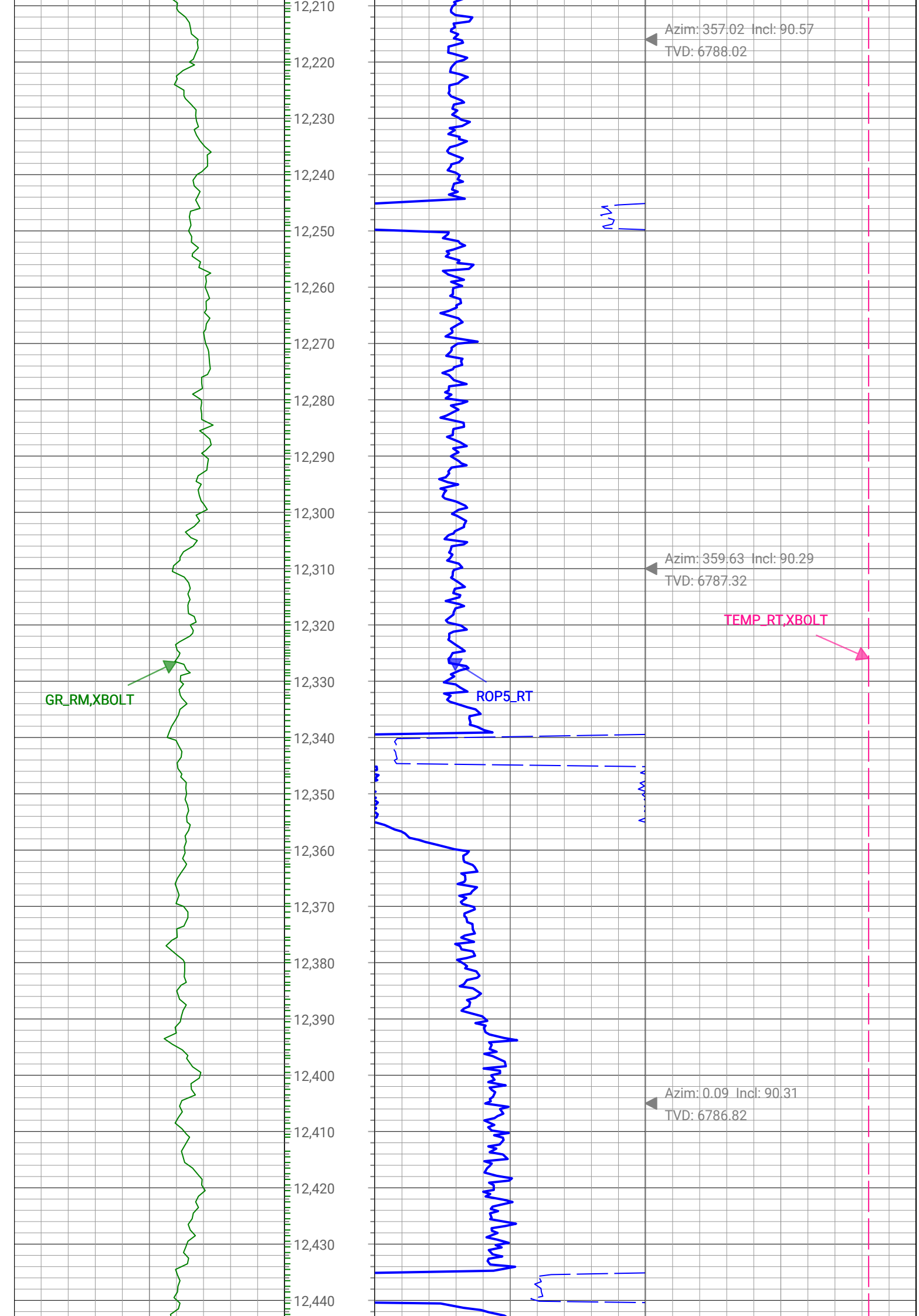
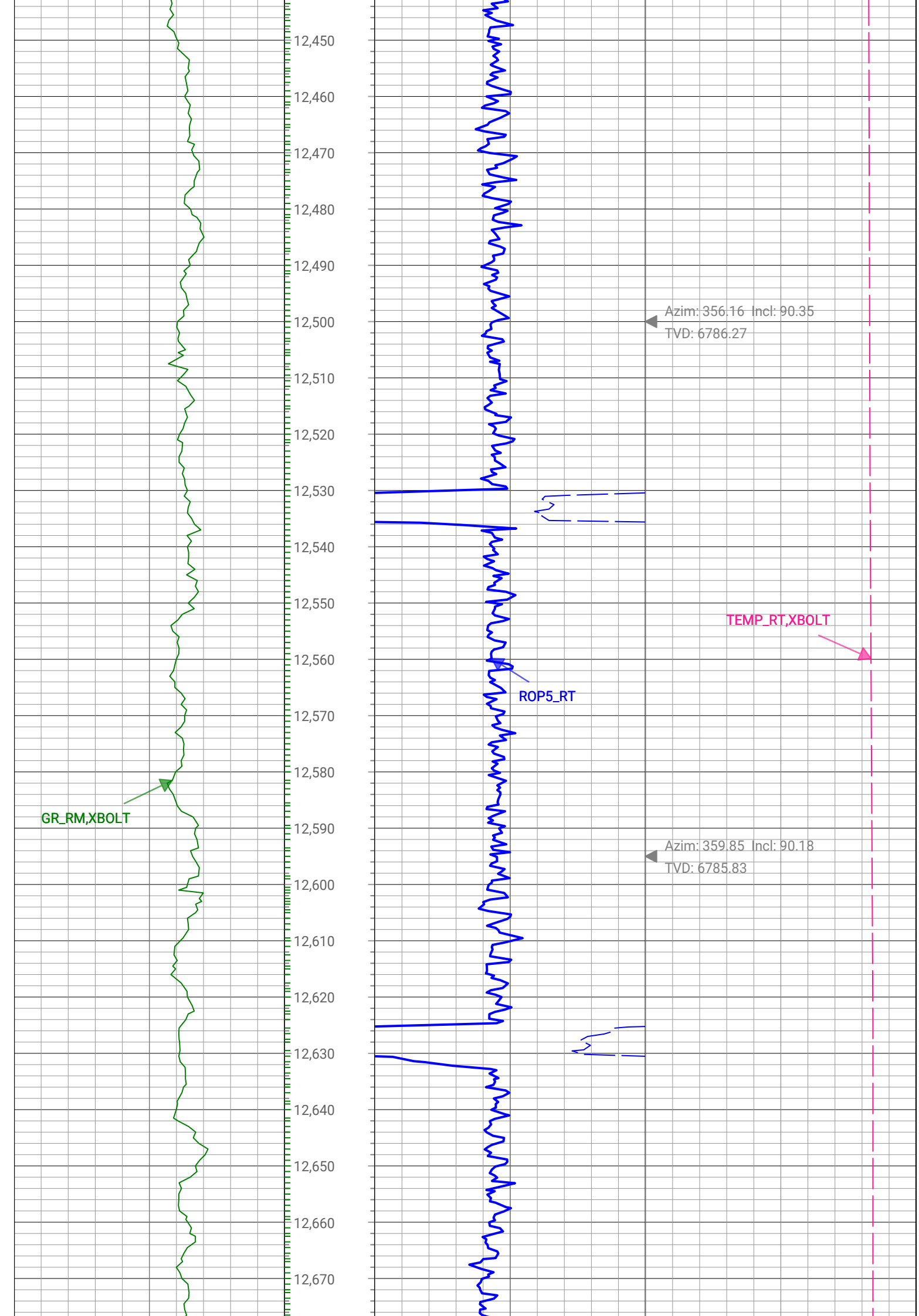
Azim: 1.66 Incl: 89.62
TVD: 6789.77
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 359.57 Incl: 89.62
TVD: 6790.4

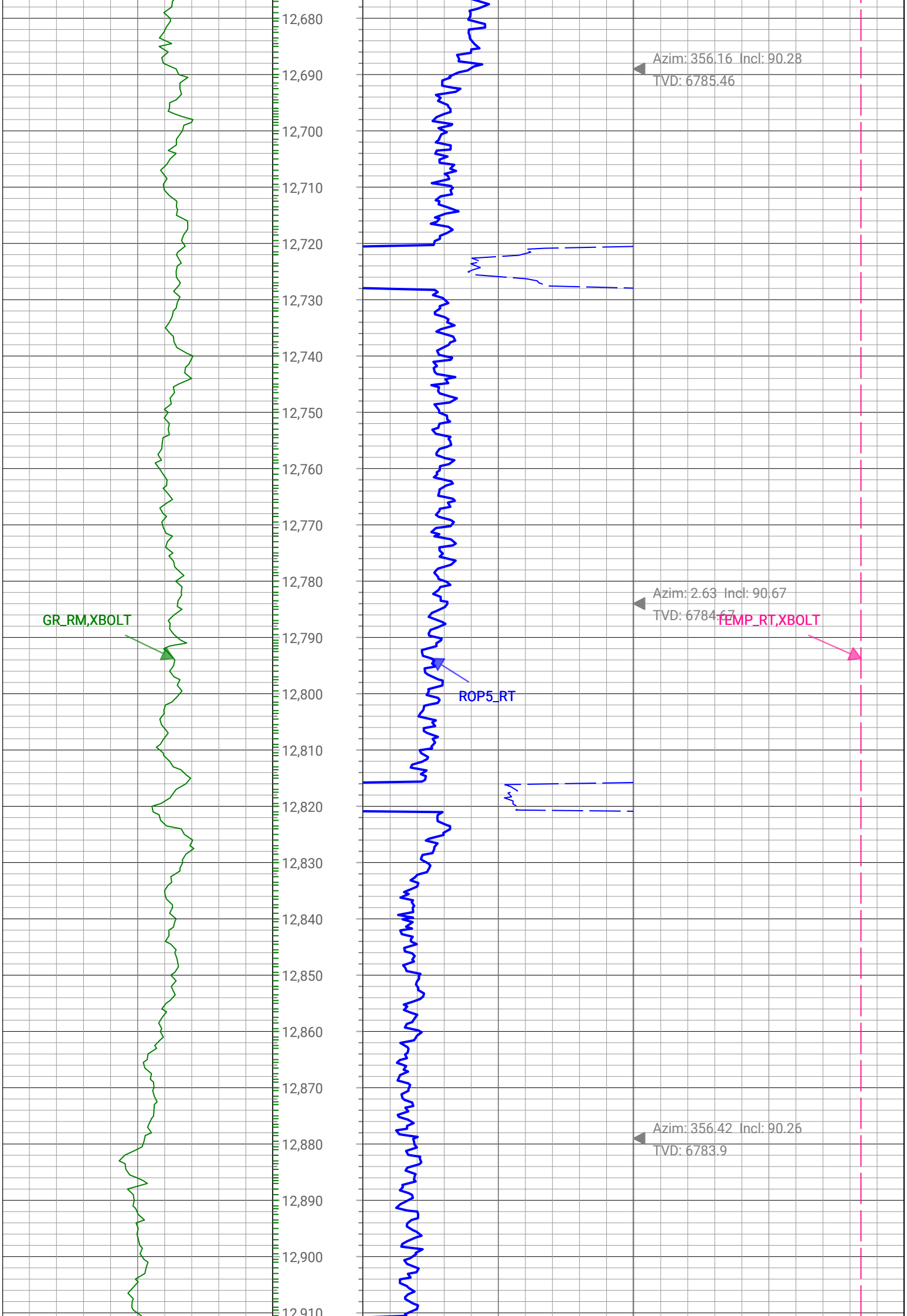

11,510
11,520
11,530
11,540
11,550
11,560
11,570
11,580
11,590
11,600
11,610
11,620
11,630
11,640
11,650
11,660
11,670
11,680
11,690
11,700
11,710
11,720
11,730
11,740
Azim: 357.81 Incl: 89.72
TVD: 6790.94
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 0.92 Incl: 89.97
TVD: 6791.2
Azim: 0.44 Incl: 89.97

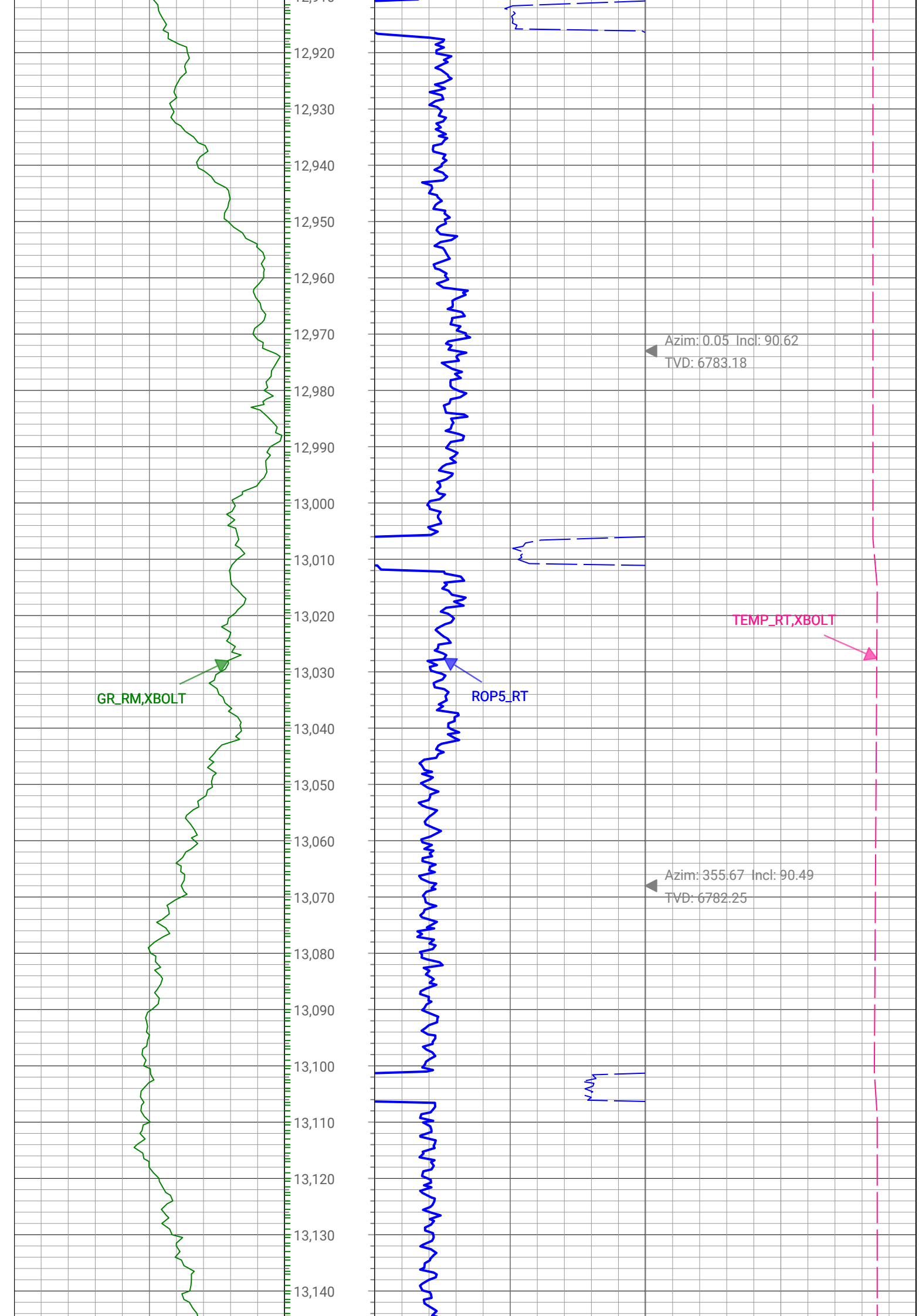

TVD: 6791.25
11,750
11,760
11,770
11,780
11,790
11,800
11,810
11,820
11,830
Azim: 0.38 Incl: 90.54
TVD: 6790.83
11,840
11,850
TEMP_RT,XBOLT
11,860
GR_RM,XBOLT
ROP5_RT
11,870
11,880
11,890
11,900
11,910
11,920
11,930
Azim: 0.05 Incl: 90.63
TVD: 6789.86
11,940
11,950
11,960
11,970

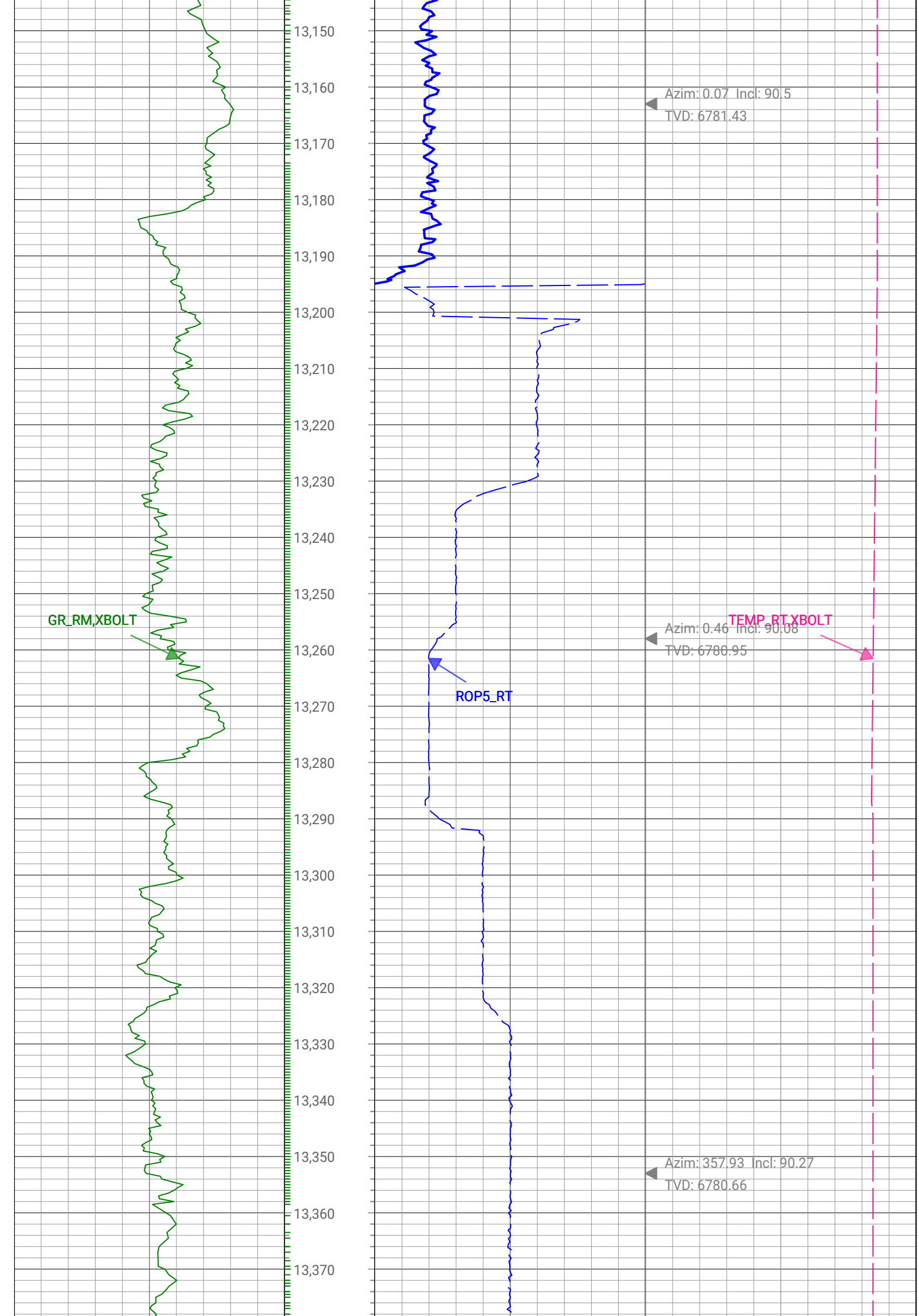

11,980
11,990
12,000
12,010
12,020
12,030
12,040
12,050
12,060
12,070
12,080
12,090
12,100
12,110
12,120
12,130
12,140
12,150
12,160
12,170
12,180
12,190
12,200
Azim: 0.4 Incl: 90.29
TVD: 6789.1
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 358.7 Incl: 90.22
TVD: 6788.68

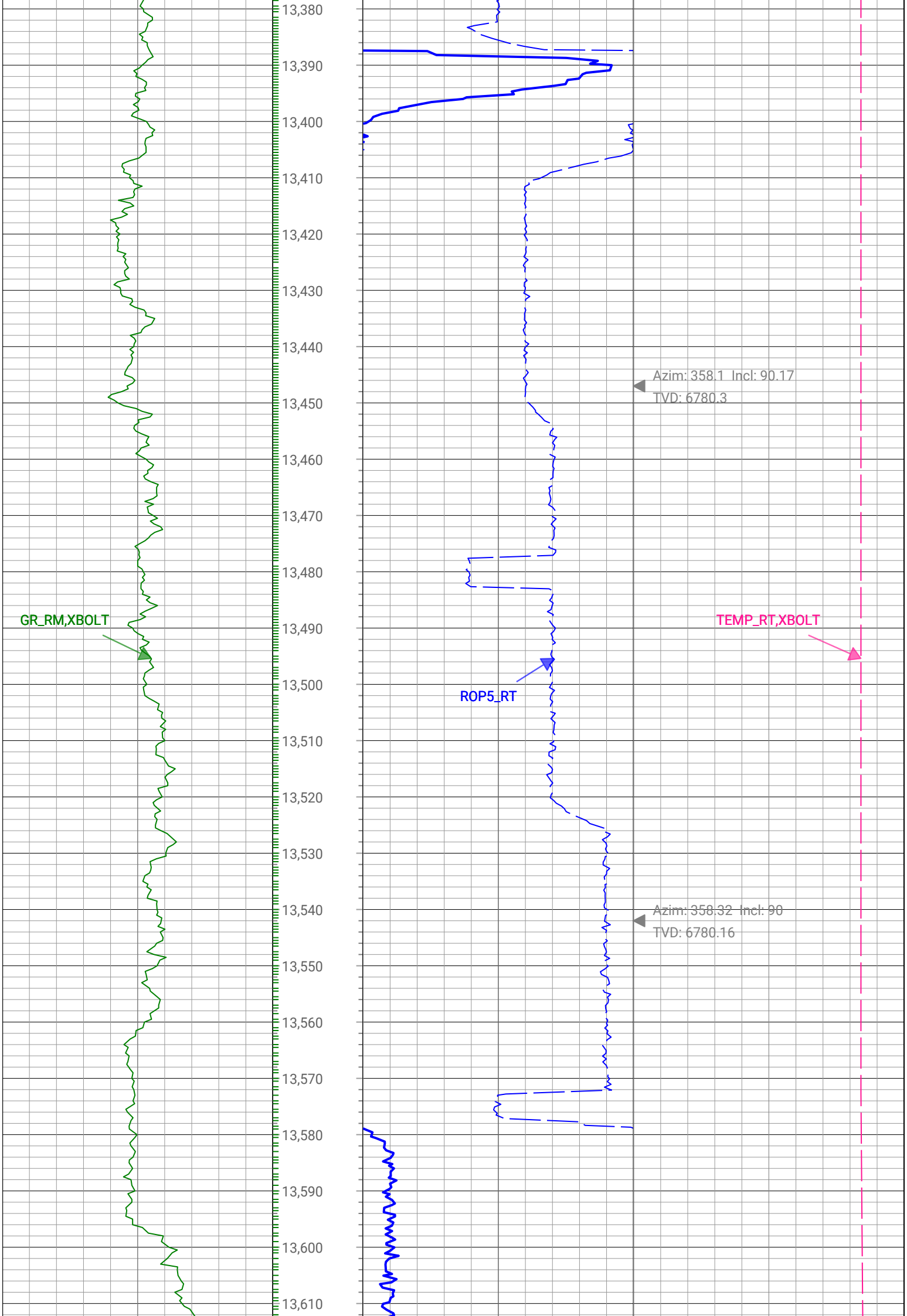

12,210
12,220
12,230
12,240
12,250
12,260
12,270
12,280
12,290
12,300
12,310
12,320
12,330
12,340
12,350
12,360
12,370
12,380
12,390
12,400
12,410
12,420
12,430
12,440
Azim: 357.02 Incl: 90.57
TVD: 6788.02
Azim: 359.63 Incl: 90.29
TVD: 6787.32
Azim: 0.09 Incl: 90.31
TVD: 6786.82
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT

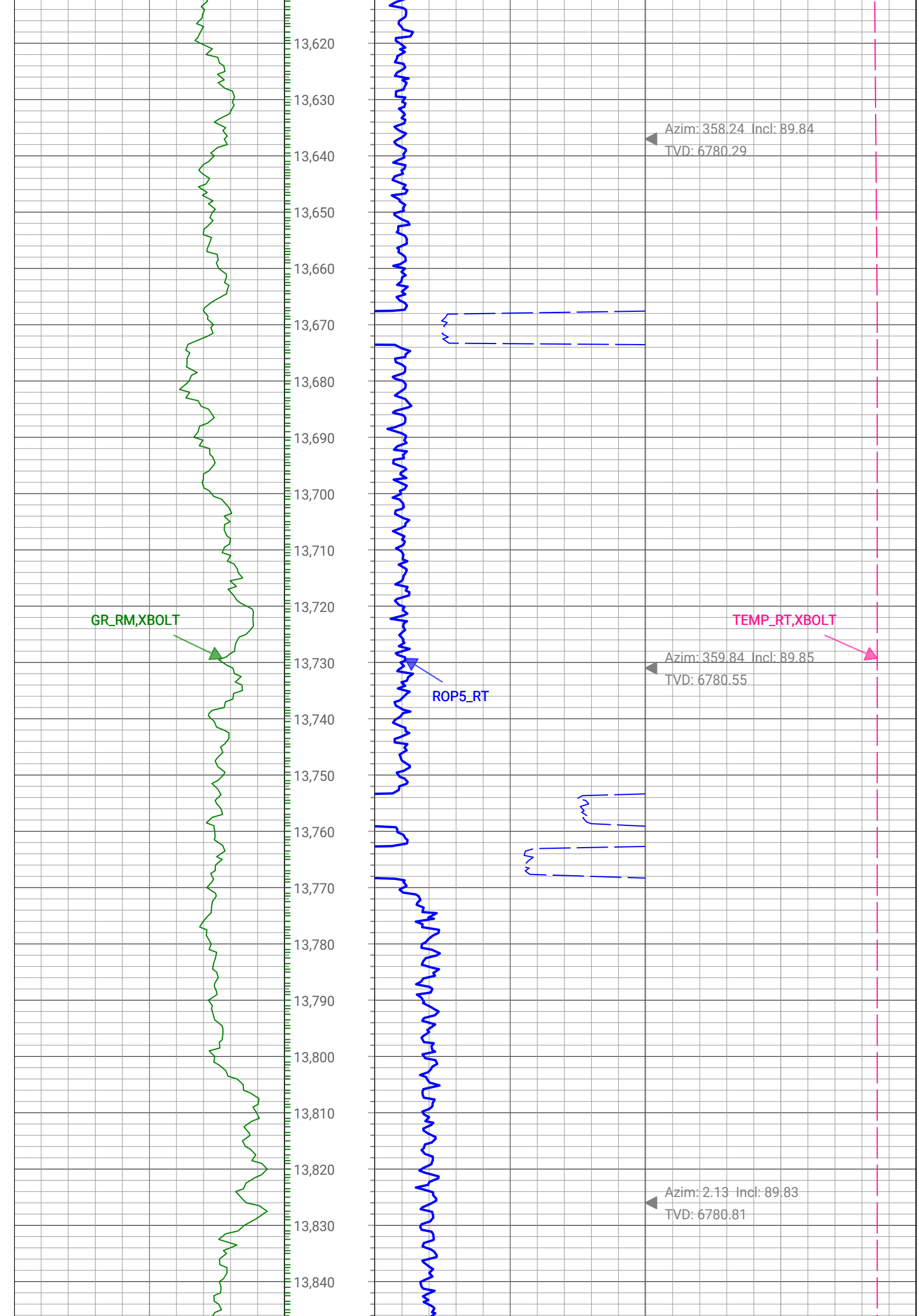

12,450
12,460
12,470
12,480
12,490
12,500
12,510
12,520
12,530
12,540
12,550
12,560
12,570
12,580
12,590
12,600
12,610
12,620
12,630
12,640
12,650
12,660
12,670
Azim: 356.16 Incl: 90.35
TVD: 6786.27
TEMP_RT,XBOLT
ROP5_RT
GR_RM,XBOLT
Azim: 359.85 Incl: 90.18
TVD: 6785.83

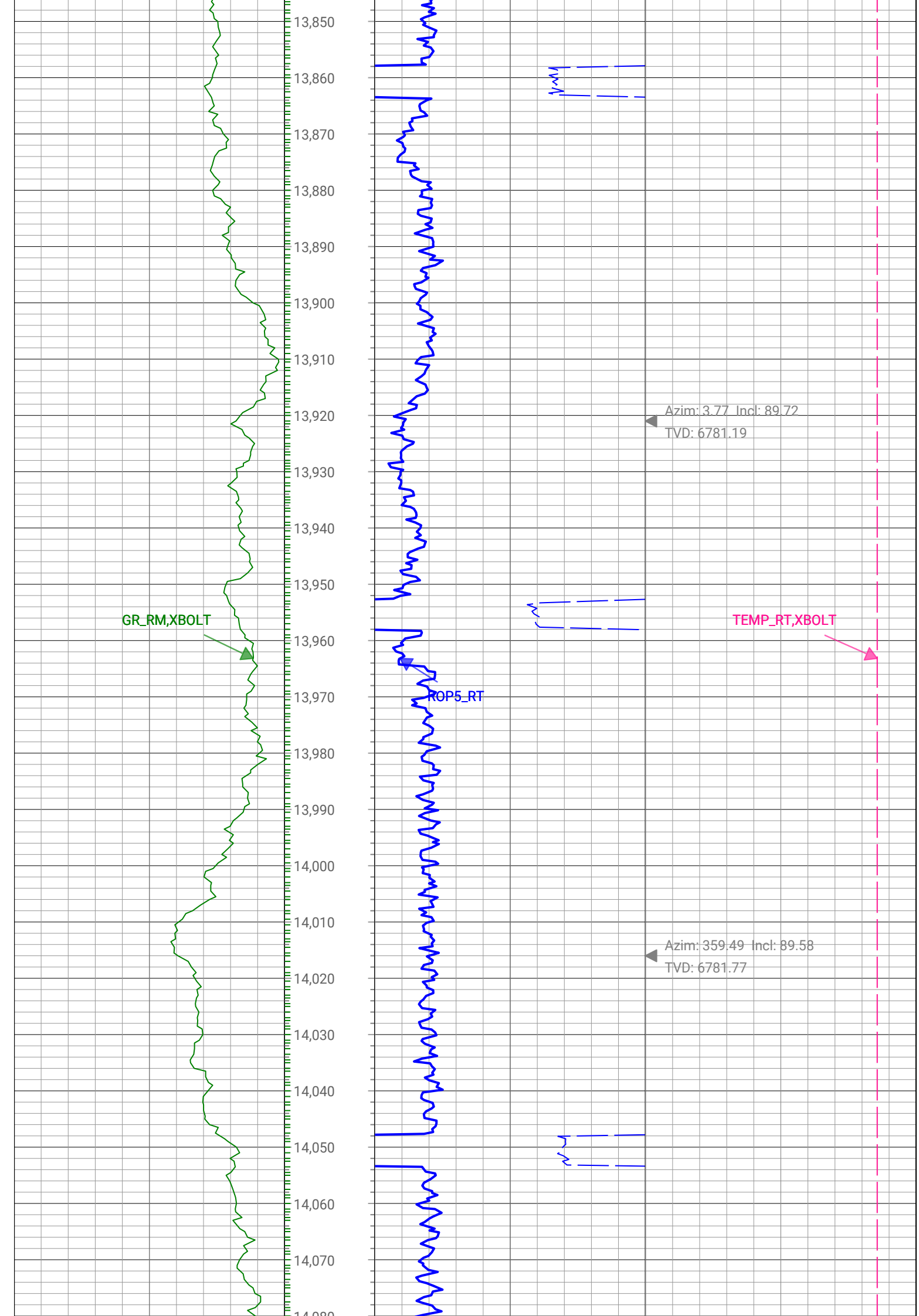

12,680
12,690
12,700
12,710
12,720
12,730
12,740
12,750
12,760
12,770
12,780
12,790
12,800
12,810
12,820
12,830
12,840
12,850
12,860
12,870
12,880
12,890
12,900
12,910
Azim: 356.16 Incl: 90.28
TVD: 6785.46
Azim: 2.63 Incl: 90.67
TVD: 6784.67
Azim: 356.42 Incl: 90.26
TVD: 6783.9
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT

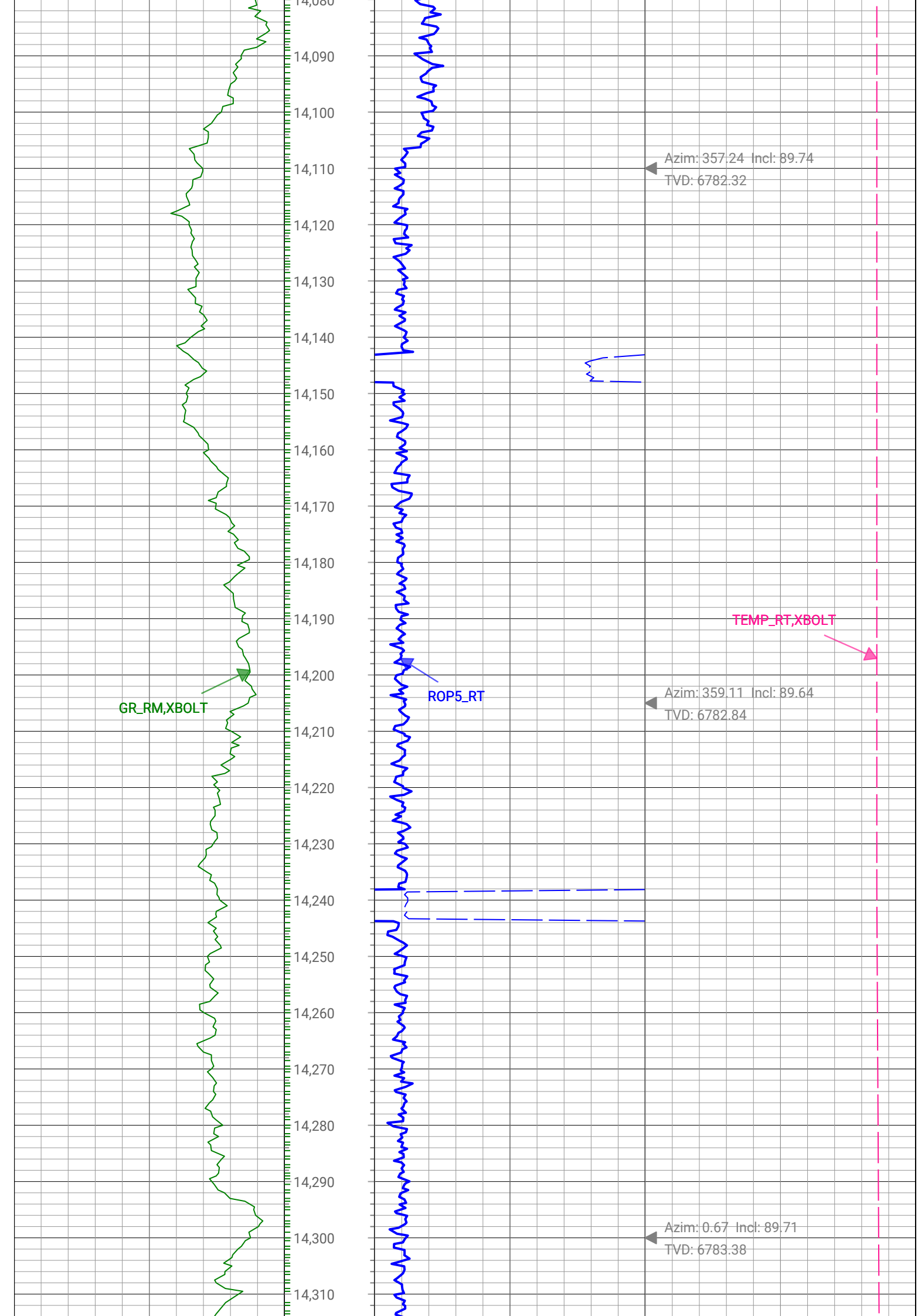

12,920
12,930
12,940
12,950
12,960
12,970
12,980
12,990
13,000
13,010
13,020
13,030
13,040
13,050
13,060
13,070
13,080
13,090
13,100
13,110
13,120
13,130
13,140
Azim: 0.05 Incl: 90.62
TVD: 6783.18
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 355.67 Incl: 90.49
TVD: 6782.25

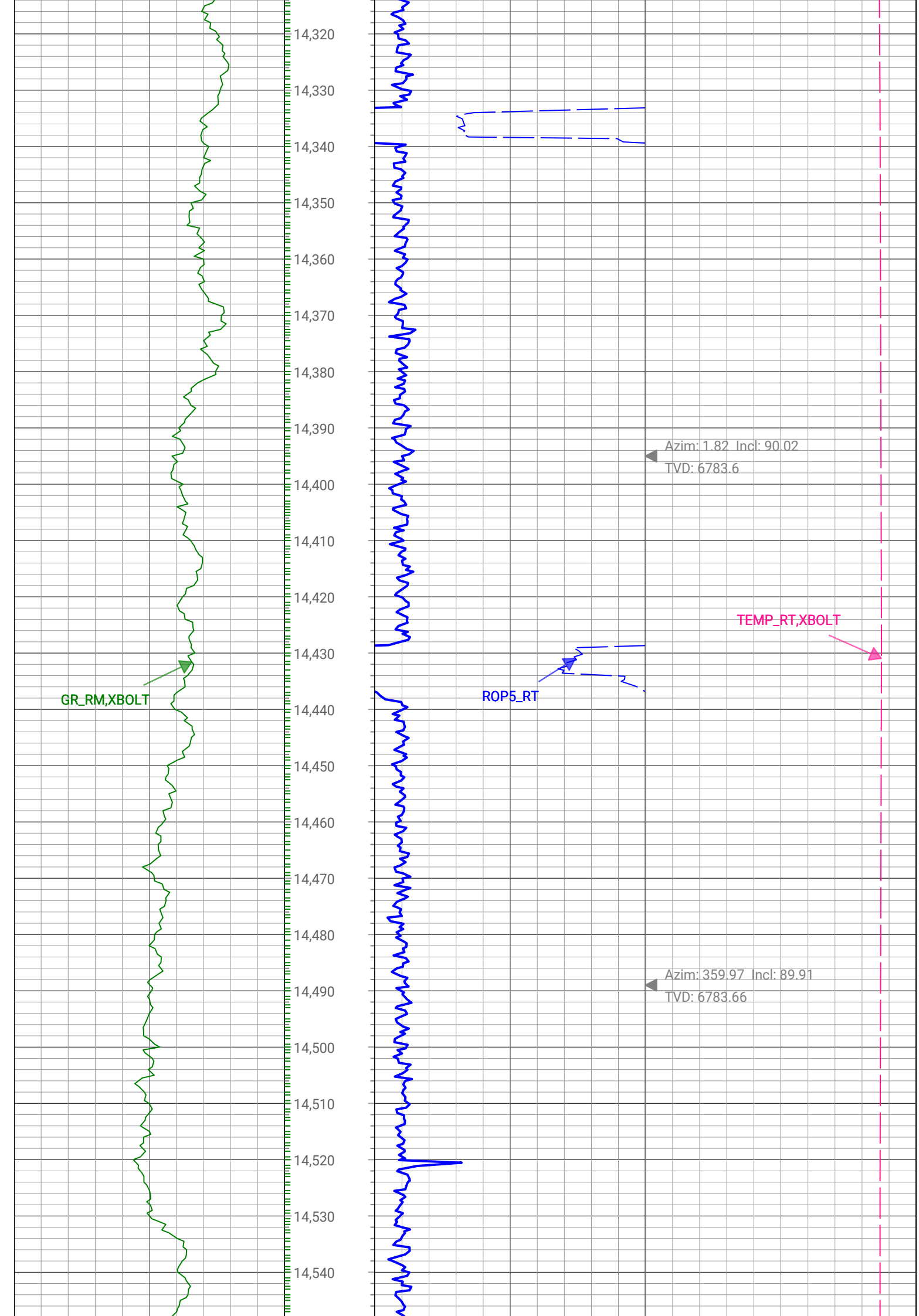

13,150
13,160
13,170
13,180
13,190
13,200
13,210
13,220
13,230
13,240
13,250
13,260
13,270
13,280
13,290
13,300
13,310
13,320
13,330
13,340
13,350
13,360
13,370
GR_RM,XBOLT
ROP5_RT
Azim: 0.07 Incl: 90.5
TVD: 6781.43
Azim: 0.46 Incl: 90.08
TVD: 6780.95
TEMP_RT,XBOLT
Azim: 357.93 Incl: 90.27
TVD: 6780.66


13,380
13,390
13,400
13,410
13,420
13,430
13,440
13,450
13,460
13,470
13,480
13,490
13,500
13,510
13,520
13,530
13,540
13,550
13,560
13,570
13,580
13,590
13,600
13,610
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 358.1 Incl: 90.17
TVD: 6780.3
Azim: 358.32 Incl: 90
TVD: 6780.16


13,620
13,630
13,640
13,650
13,660
13,670
13,680
13,690
13,700
13,710
13,720
13,730
13,740
13,750
13,760
13,770
13,780
13,790
13,800
13,810
13,820
13,830
13,840
Azim: 358.24 Incl: 89.84
TVD: 6780.29
Azim: 359.84 Incl: 89.85
TVD: 6780.55
Azim: 2.13 Incl: 89.83
TVD: 6780.81
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT


13,850
13,860
13,870
13,880
13,890
13,900
13,910
13,920
13,930
13,940
13,950
13,960
13,970
13,980
13,990
14,000
14,010
14,020
14,030
14,040
14,050
14,060
14,070
Azim: 3.77 Incl: 89.72
TVD: 6781.19
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
Azim: 359.49 Incl: 89.58
TVD: 6781.77


14,080
14,090
14,100
14,110
14,120
14,130
14,140
14,150
14,160
14,170
14,180
14,190
14,200
14,210
14,220
14,230
14,240
14,250
14,260
14,270
14,280
14,290
14,300
14,310
Azim: 357.24 Incl: 89.74
TVD: 6782.32
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 359.11 Incl: 89.64
TVD: 6782.84
Azim: 0.67 Incl: 89.71
TVD: 6783.38


14,320
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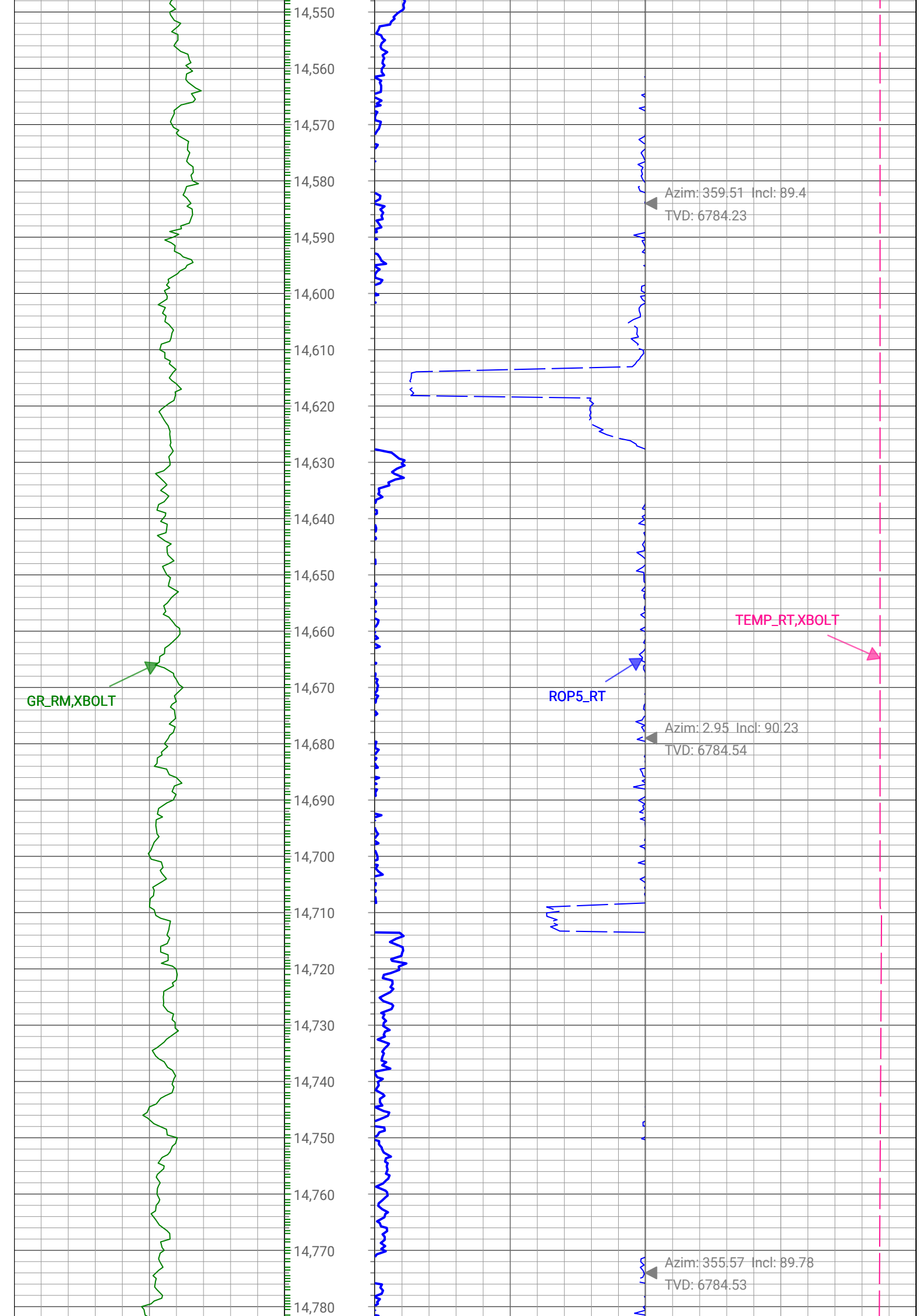
14,350
14,360
14,370
14,380
14,390
14,400
14,410
14,420
14,430
14,440
14,450
14,460
14,470
14,480
14,490
14,500
14,510
14,520
14,530
14,540
Azim: 1.82 Incl: 90.02
TVD: 6783.6
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 359.97 Incl: 89.91
TVD: 6783.66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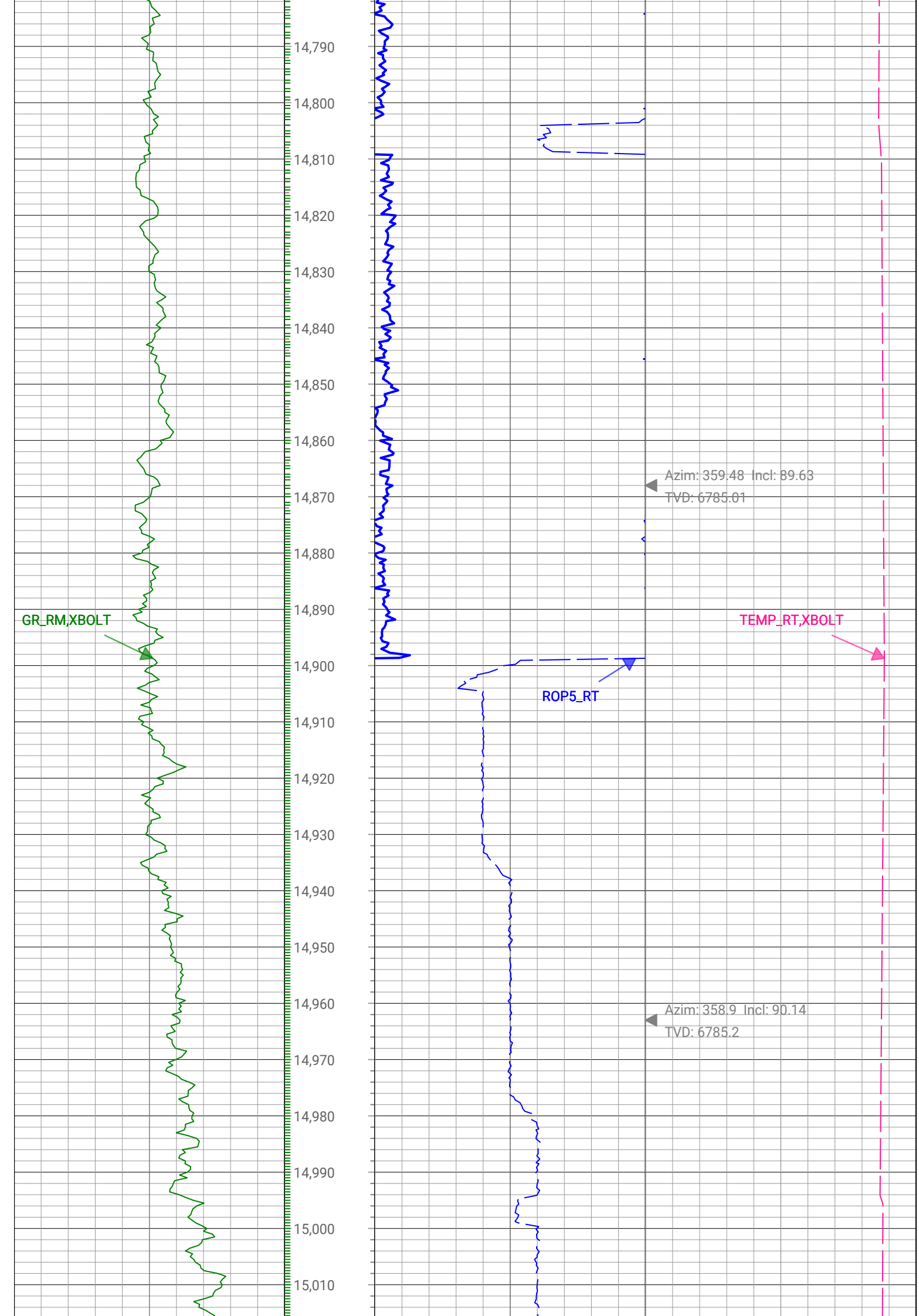
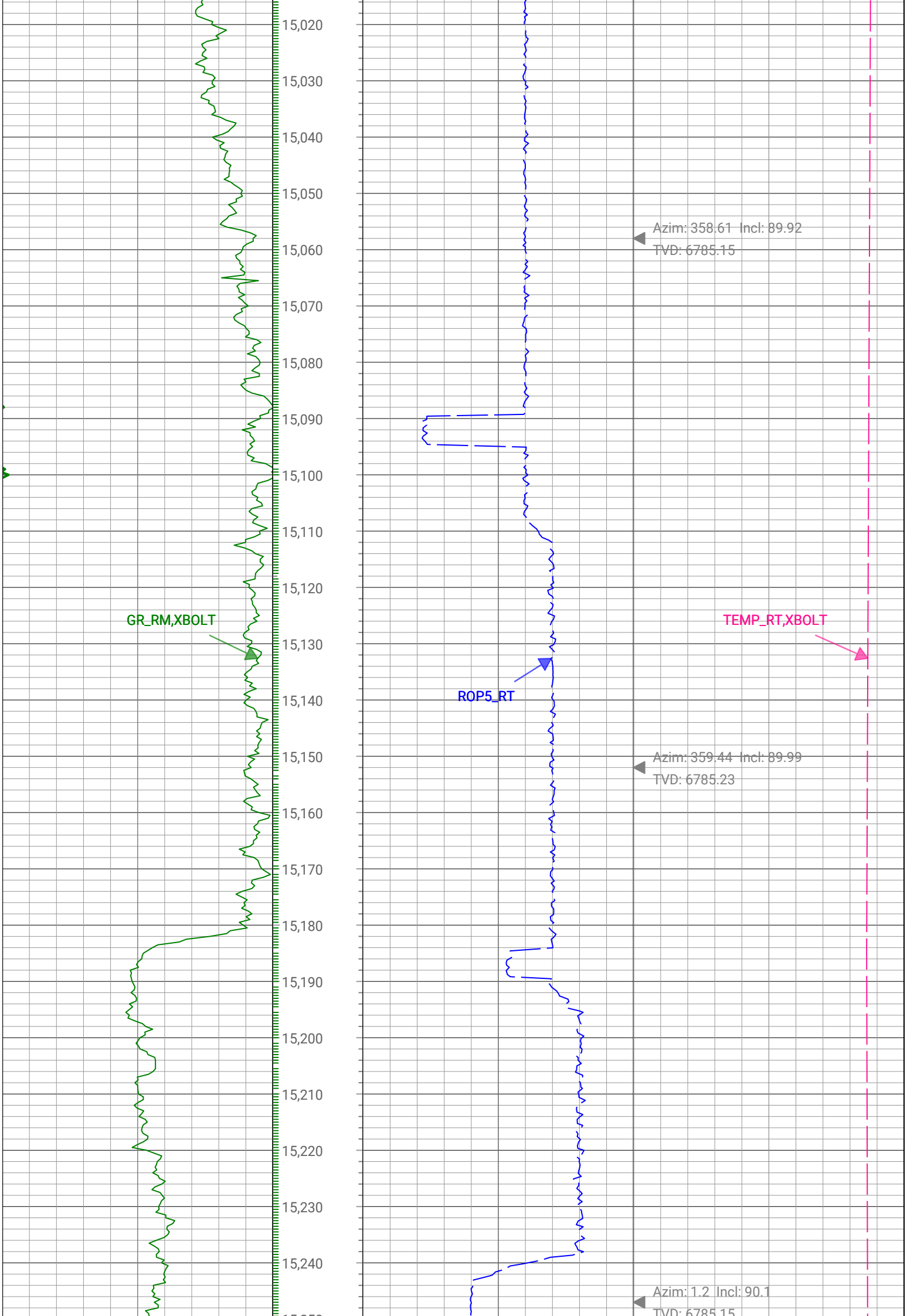
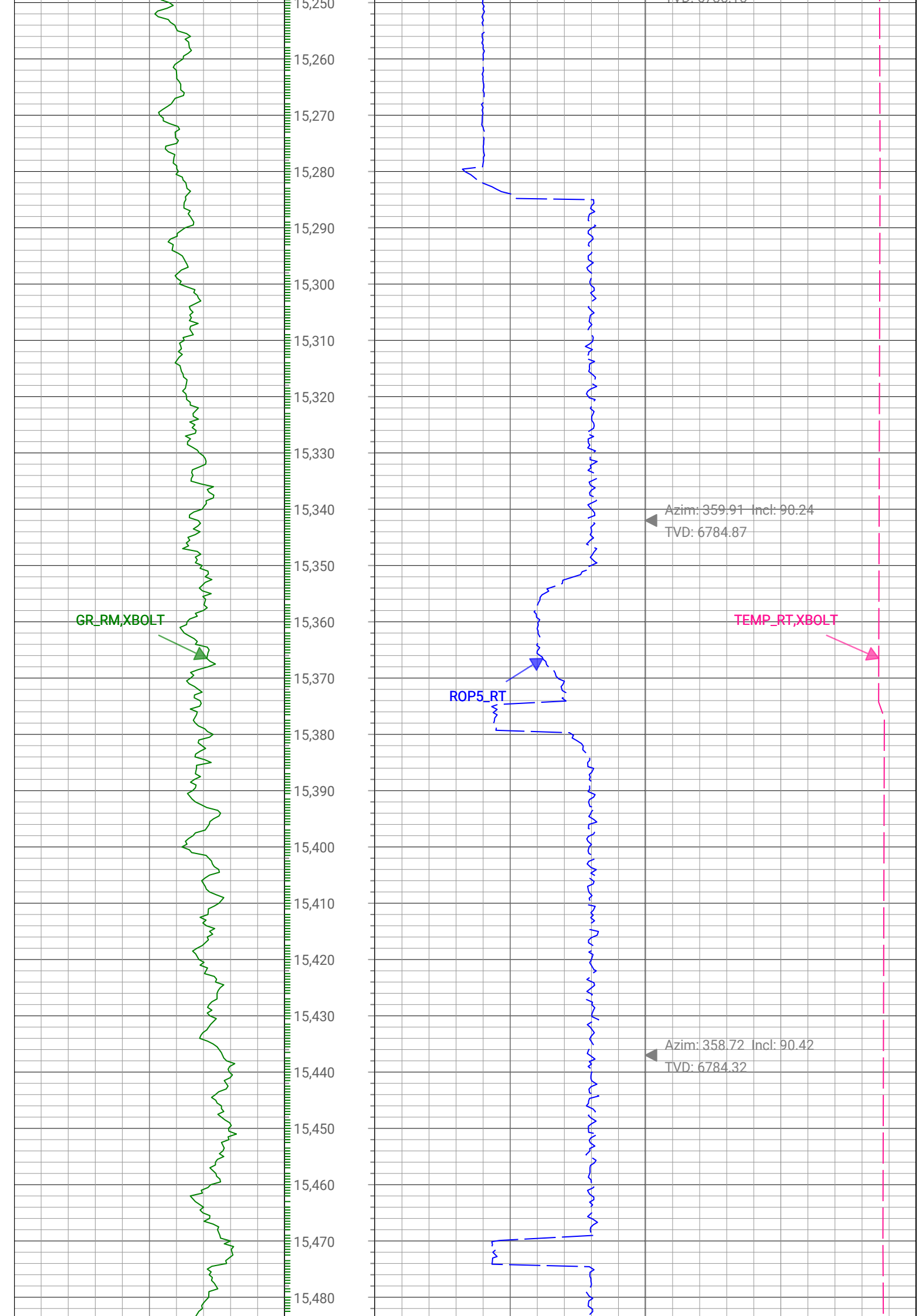
14,580
14,590
14,600
14,610
14,620
14,630
14,640
14,650
14,660
14,670
14,680
14,690
14,700
14,710
14,720
14,730
14,740
14,750
14,760
14,770
14,780
Azim: 359.51 Incl: 89.4
TVD: 6784.23
TEMP_RT,XBOLT
GR_RM,XBOLT
ROP5_RT
Azim: 2.95 Incl: 90.23
TVD: 6784.54
Azim: 355.57 Incl: 89.78
TVD: 6784.53


14,790
14,800
14,810
14,820
14,830
14,840
14,850
14,860
14,870
14,880
14,890
14,900
14,910
14,920
14,930
14,940
14,950
14,960
14,970
14,980
14,990
15,000
15,010
GR_RM,XBOLT
Azim: 359.48 Incl: 89.63
TVD: 6785.01
TEMP_RT,XBOLT
ROP5_RT
Azim: 358.9 Incl: 90.14
TVD: 6785.2


15,020
15,030
15,040
15,050
15,060
15,070
15,080
15,090
15,100
15,110
15,120
15,130
15,140
15,150
15,160
15,170
15,180
15,190
15,200
15,210
15,220
15,230
15,240
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 358.61 Incl: 89.92
TVD: 6785.15
Azim: 359.44 Incl: 89.99
TVD: 6785.23
Azim: 1.2 Incl: 90.1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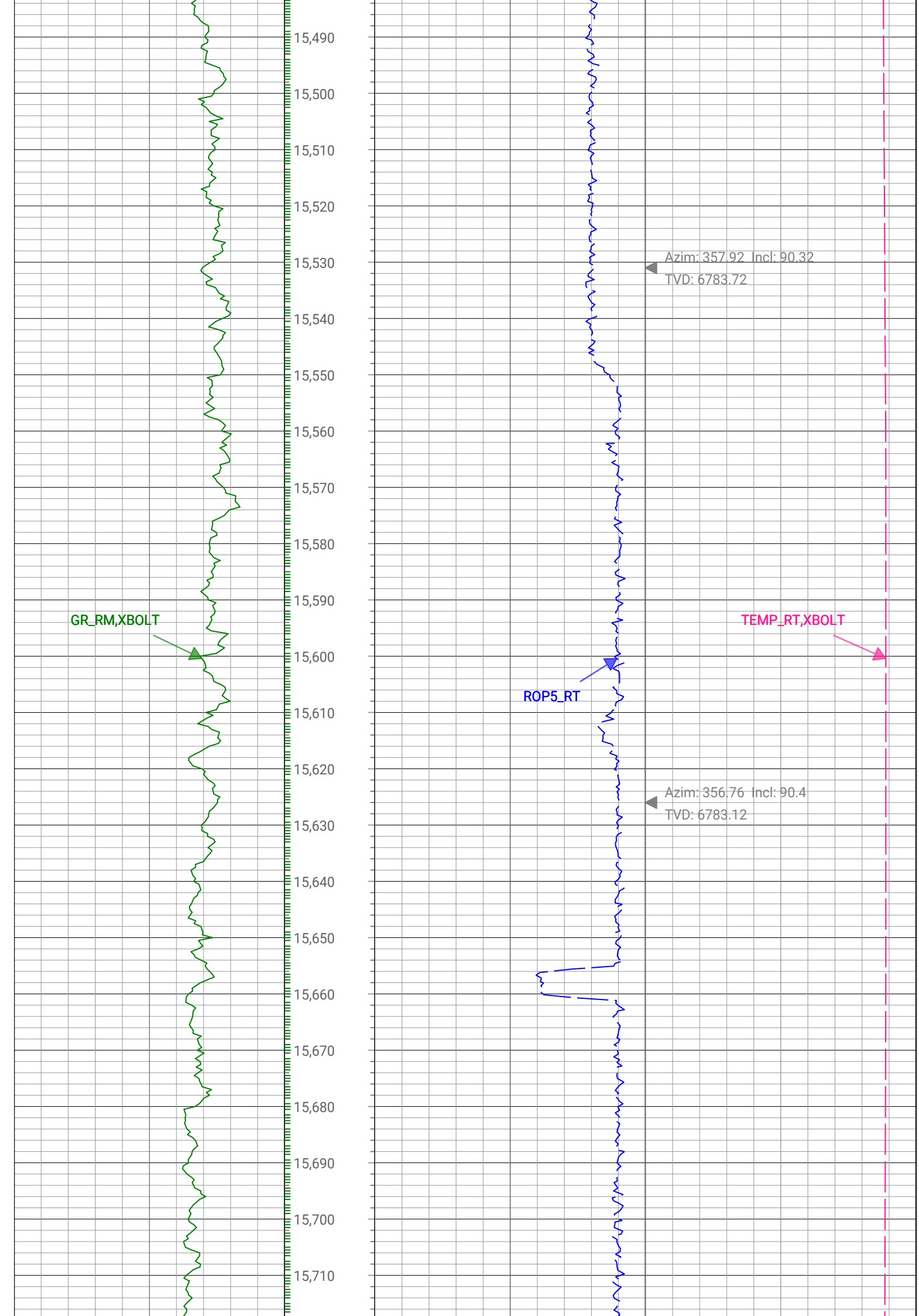
15,300
15,310
15,320
15,330
15,340
15,350
15,360
15,370
15,380
15,390
15,400
15,410
15,420
15,430
15,440
15,450
15,460
15,470
15,480
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 359.91 Incl: 90.24
TVD: 6784.87
Azim: 358.72 Incl: 90.42
TVD: 6784.32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15,510
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15,600
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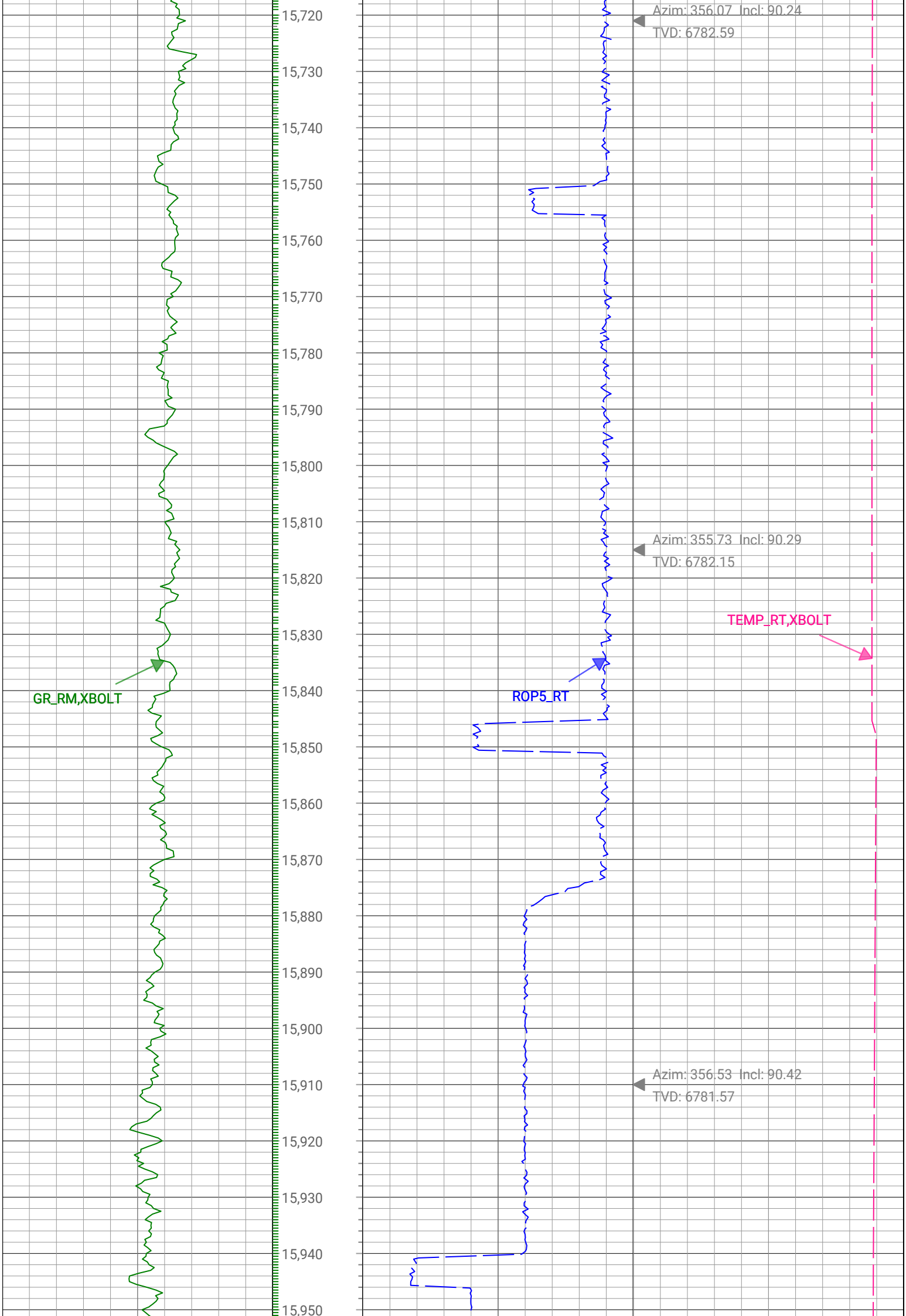
15,620
15,630
15,640
15,650
15,660
15,670
15,680
15,690
15,700
15,710
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT
Azim: 357.92 Incl: 90.32
TVD: 6783.72
Azim: 356.76 Incl: 90.4
TVD: 6783.12


15,720
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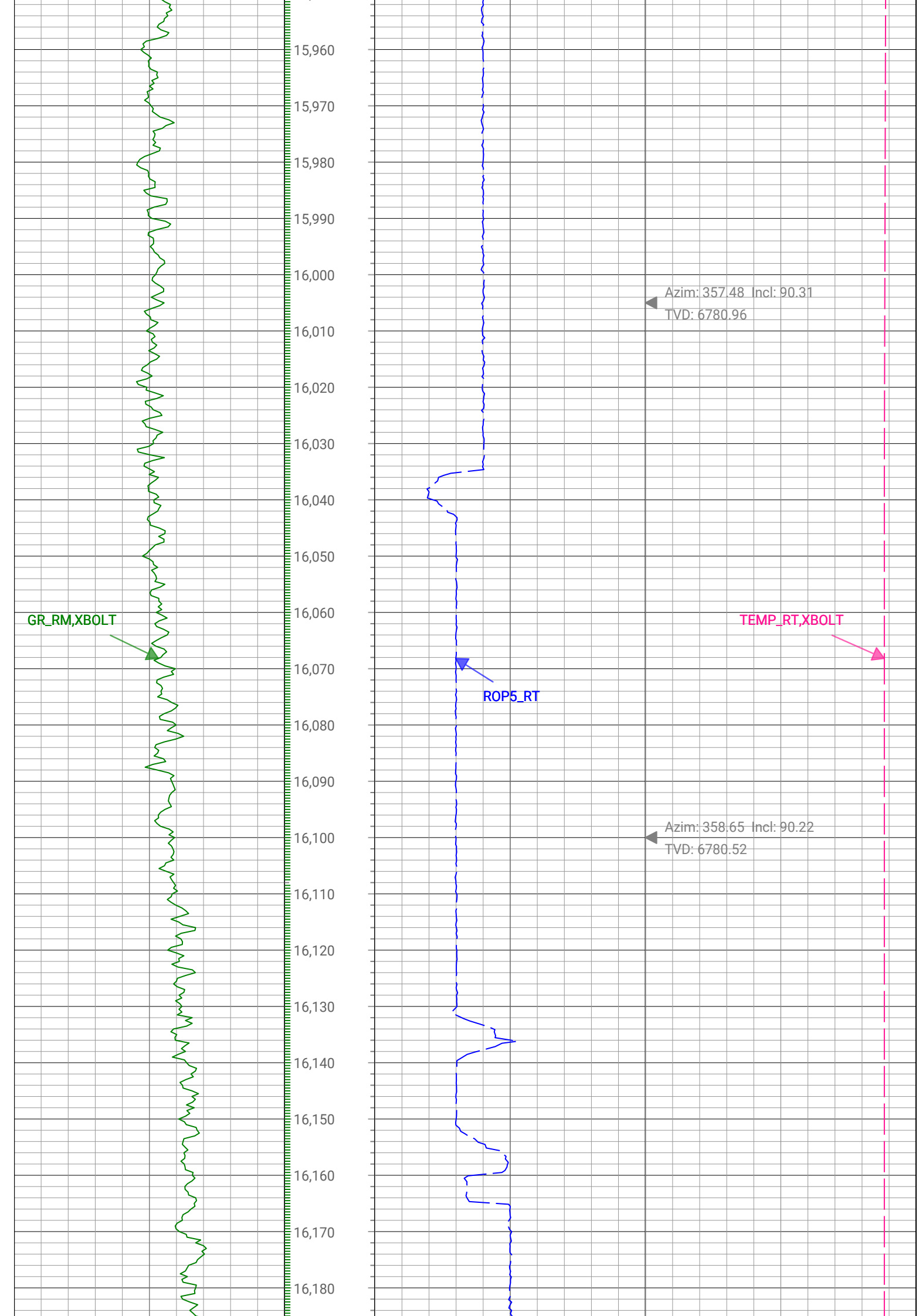
15,770
15,780
15,790
15,800
15,810
15,820
15,830
15,840
15,850
15,860
15,870
15,880
15,890
15,900
15,910
15,920
15,930
15,940
15,950
Azim: 356.07 Incl: 90.24
TVD: 6782.59
Azim: 355.73 Incl: 90.29
TVD: 6782.15
Azim: 356.53 Incl: 90.42
TVD: 6781.57
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT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15,980
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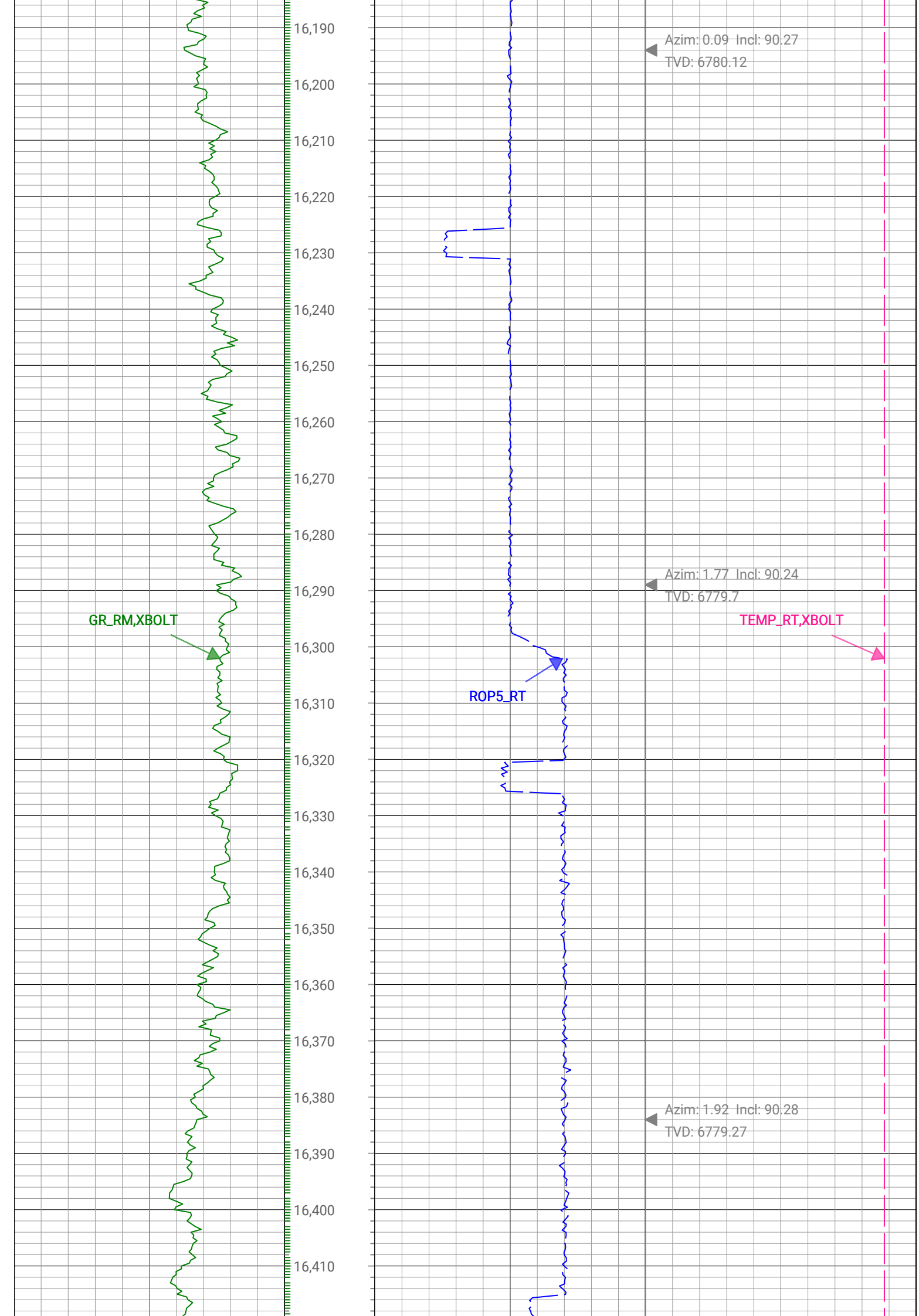
16,020
16,030
16,040
16,050
16,060
16,070
16,080
16,090
16,100
16,110
16,120
16,130
16,140
16,150
16,160
16,170
16,180
Azim: 357.48 Incl: 90.31
TVD: 6780.96
GR_RM,XBOLT
TEMP_RT,XBOLT
ROP5_RT
Azim: 358.65 Incl: 90.22
TVD: 6780.52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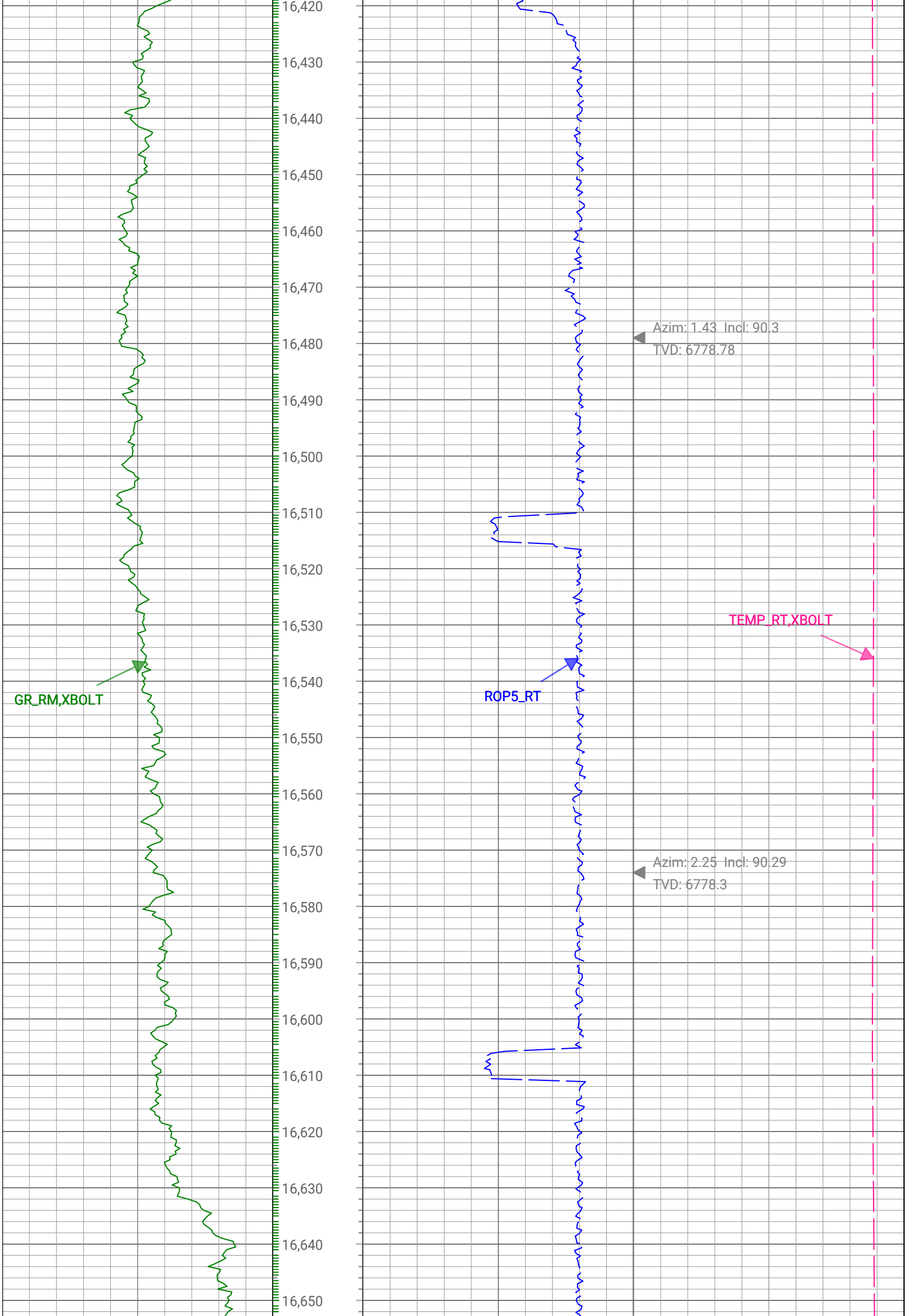
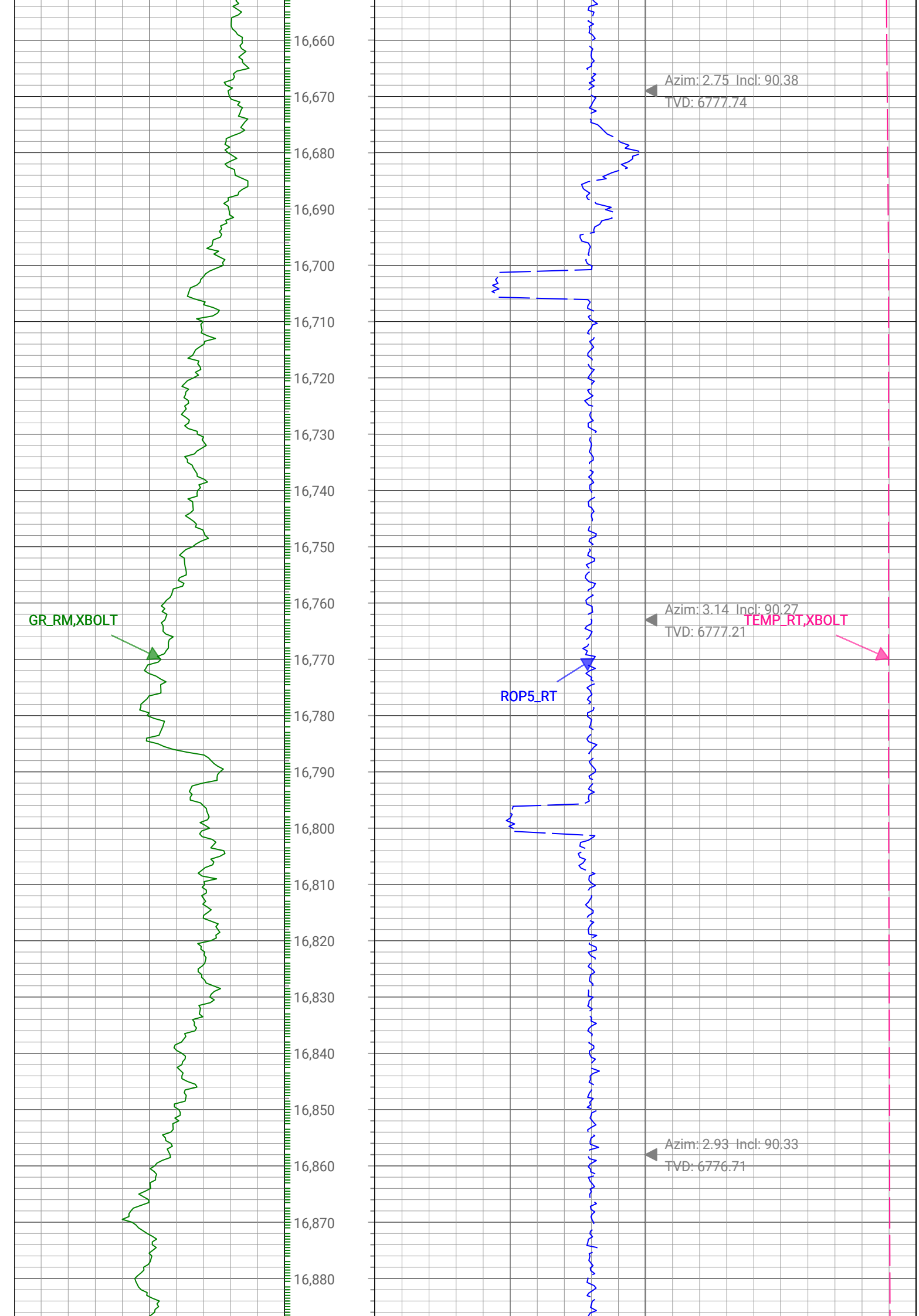
16,270
16,280
16,290
16,300
16,310
16,320
16,330
16,340
16,350
16,360
16,370
16,380
16,390
16,400
16,410
Azim: 0.09 Incl: 90.27
TVD: 6780.12
Azim: 1.77 Incl: 90.24
TVD: 6779.7
Azim: 1.92 Incl: 90.28
TVD: 6779.27
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT


16,420
16,430
16,440
16,450
16,460
16,470
16,480
16,490
16,500
16,510
16,520
16,530
16,540
16,550
16,560
16,570
16,580
16,590
16,600
16,610
16,620
16,630
16,640
16,650
GR_RM,XBOLT
ROP5_RT
Azim: 1.43 Incl: 90.3
TVD: 6778.78
TEMP_RT,XBOLT
Azim: 2.25 Incl: 90.29
TVD: 6778.3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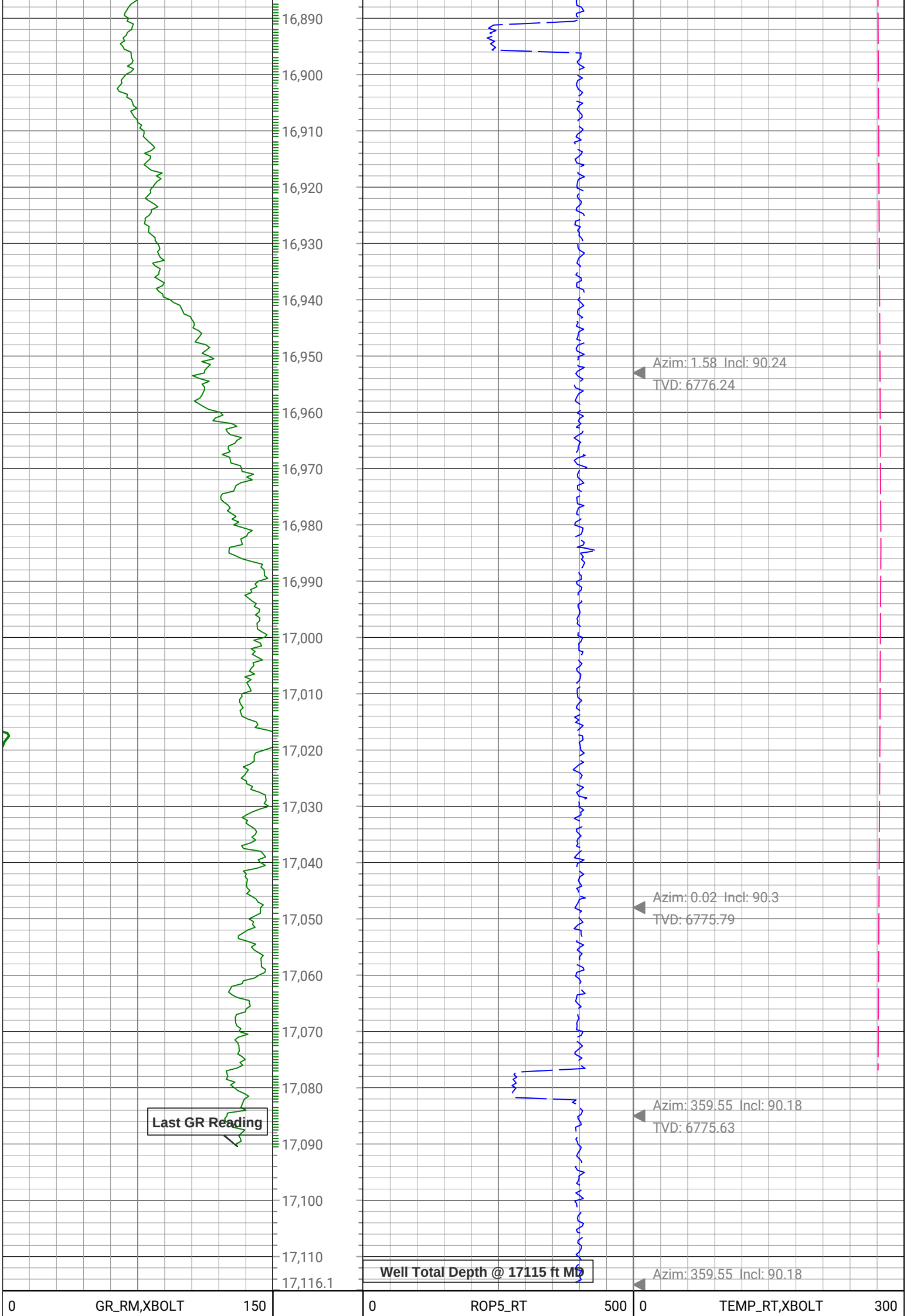
16,720
16,730
16,740
16,750
16,760
16,770
16,780
16,790
16,800
16,810
16,820
16,830
16,840
16,850
16,860
16,870
16,880
Azim: 2.75 Incl: 90.38
TVD: 6777.74
Azim: 3.14 Incl: 90.27
TVD: 6777.21
Azim: 2.93 Incl: 90.33
TVD: 6776.71
GR_RM,XBOLT
ROP5_RT
TEMP_RT,XBOLT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16,900
16,910
16,920
16,930
16,940
16,950
16,960
16,970
16,980
16,990
17,000
17,010
17,020
17,030
17,040
17,050
17,060
17,070
17,080
17,090
17,100
17,110
17,116.1
Azim: 1.58 Incl: 90.24
TVD: 6776.24
Azim: 0.02 Incl: 90.3
TVD: 6775.79
Azim: 359.55 Incl: 90.18
TVD: 6775.63
Last GR Reading
Well Total Depth @ 17115 ft MD
Azim: 359.55 Incl: 90.18
0
GR_RM,XBOLT
150
0
ROP5_RT
500
0
TEMP_RT,XBOLT
300

gAPI, Borehole	Depth (ft)	ft/h, Borehole	degF, Borehole Survey: Azim(deg) Incl(deg)

Description: XBOLT GAMMA RAY Format: CHEVRON XBOLT avgGR EOW Index Scale: 5in/100ft Index Unit: ft Index Type: Measured Depth

Creation Date: 18-Nov-2022

Survey Record

Survey Calculation

North Reference: Grid North

Tie In Point

Measured Depth:	0(ft)	Inclination:	0(deg)	Azimuth:	0(deg)
True Vertical Depth:	0(ft)	North Displacement:	0(ft)	East Displacement:	0(ft)

D&I Inits - Run - 1

Geomagnetic Model:	HDGM 2022	Geomagnetic Date:	26-Oct-2022 00:00:00
Location B:	51789.46 (nT)	Location G:	999.03 (mgn)
Magnetic Dip:	66.56 (deg)	Magnetic Dec:	7.797 (deg)
Total Correction:	7.185		

D&I Inits - Run - 2

Geomagnetic Model:	HDGM 2022	Geomagnetic Date:	22-Oct-2022 18:00:00
Location B:	51789.46 (nT)	Location G:	999.03 (mgn)
Magnetic Dip:	66.54 (deg)	Magnetic Dec:	7.783 (deg)
Total Correction:	7.171		

MD(ft)	Incl(deg)	Azim(deg)	TVD(ft)	V Sec(ft)	N/-S(ft)	E/-W(ft)	DLS (deg/100ft)	Closure Distance (ft)	Closure Azimuth (deg)	Tool Type
0	0	0	0	0.00	0	0	0.00			TIP
186	0.2	339.71	186	0.31	0.31	-0.11	0.11	0.33	339.71	MWD
278	0.22	323.5	278	0.61	0.61	-0.28	0.07	0.67	335.41	MWD
372	0.14	78.69	372	0.78	0.78	-0.28	0.33	0.82	340.44	MWD
466	0.24	28.83	466	0.97	0.97	-0.07	0.2	0.98	355.99	MWD
561	0.45	359.23	561	1.52	1.52	0.02	0.28	1.52	0.93	MWD
656	0.15	100.43	656	1.87	1.87	0.15	0.53	1.88	4.46	MWD
751	0.1	124.62	751	1.8	1.8	0.34	0.08	1.83	10.82	MWD
846	0.46	309.23	845.99	1.99	1.99	0.12	0.59	1.99	3.5	MWD
940	0.46	337.54	939.99	2.57	2.57	-0.31	0.24	2.59	353.08	MWD
1035	0.47	284.01	1034.99	3.02	3.02	-0.83	0.44	3.13	344.54	MWD
1130	0.36	237.52	1129.99	2.95	2.95	-1.46	0.36	3.29	333.65	MWD
1225	0.36	245.37	1224.98	2.67	2.67	-1.98	0.05	3.32	323.39	MWD
1319	0.1	34.74	1318.98	2.61	2.61	-2.2	0.47	3.42	319.85	MWD
1414	0.34	252.52	1413.98	2.59	2.59	-2.43	0.45	3.55	316.87	MWD
1509	0.21	88.71	1508.98	2.51	2.51	-2.53	0.58	3.56	314.79	MWD
1604	0.36	91.56	1603.98	2.51	2.51	-2.06	0.16	3.24	320.61	MWD
1698	0.41	14.27	1697.98	2.82	2.82	-1.68	0.51	3.29	329.25	MWD
1793	0.19	228.44	1792.98	3.05	3.05	-1.71	0.6	3.5	330.7	MWD
1888	0.1	129.81	1887.98	2.89	2.89	-1.76	0.24	3.39	328.68	MWD
1924	0.19	336.72	1923.98	2.93	2.93	-1.76	0.8	3.42	328.99	MWD
1980	0.4	297.65	1979.98	3.1	3.1	-1.97	0.5	3.68	327.6	Manual
2170	0.42	313.57	2169.97	3.89	3.89	-3.06	0.06	4.95	321.81	Manual
2265	0.54	258.17	2264.97	4.04	4.04	-3.75	0.48	5.51	317.12	Manual
2360	1.19	205.15	2359.96	3.06	3.06	-4.61	1.02	5.53	303.54	Manual

2454	1.96	189.37	2453.93	0.59	0.59	-5.29	0.93	5.32	276.32	Manual
2549	2.38	185.15	2548.86	-2.98	-2.98	-5.73	0.47	6.46	242.5	Manual
2644	4.32	180.53	2643.69	-8.52	-8.52	-5.94	2.06	10.39	214.86	Manual
2739	6.09	180.53	2738.29	-17.14	-17.14	-6.02	1.86	18.17	199.34	Manual
2834	8.38	179.79	2832.53	-29.1	-29.11	-6.04	2.41	29.73	191.72	Manual
2928	11.08	172.93	2925.17	-44.92	-44.92	-4.9	3.12	45.19	186.23	Manual
3023	12.94	170.24	3018.09	-64.47	-64.47	-1.97	2.04	64.5	181.75	Manual
3118	11.63	171.94	3110.91	-84.43	-84.43	1.17	1.43	84.44	179.21	Manual
3213	11.63	172.4	3203.96	-103.41	-103.4	3.78	0.1	103.47	177.91	Manual
3307	12.04	171.02	3295.97	-122.48	-122.48	6.56	0.53	122.65	176.93	Manual
3402	12.55	170.72	3388.79	-142.46	-142.45	9.77	0.54	142.79	176.07	Manual
3497	12.08	170.14	3481.6	-162.44	-162.43	13.14	0.51	162.96	175.37	Manual
3592	12.38	167.58	3574.45	-182.18	-182.17	17.03	0.65	182.97	174.66	Manual
3686	12.03	185.16	3666.35	-201.78	-201.78	18.32	3.96	202.61	174.81	Manual
3781	11.85	177.89	3759.3	-221.39	-221.38	17.79	1.59	222.1	175.41	Manual
3876	11.94	176.54	3852.26	-240.95	-240.94	18.74	0.31	241.67	175.55	Manual
3971	13.21	175.98	3944.98	-261.59	-261.58	20.1	1.34	262.35	175.61	Manual
4066	12.47	180.1	4037.61	-282.67	-282.66	20.84	1.24	283.43	175.78	Manual
4160	12.86	177.97	4129.32	-303.28	-303.27	21.19	0.65	304.01	176	Manual
4255	12.22	180.3	4222.05	-323.9	-323.89	21.51	0.86	324.6	176.2	Manual
4350	13.1	170.37	4314.76	-344.57	-344.56	23.26	2.47	345.34	176.14	Manual
4445	12.97	168.69	4407.31	-365.64	-365.63	27.15	0.42	366.63	175.75	Manual
4540	12.93	168.15	4499.89	-386.5	-386.48	31.43	0.13	387.76	175.35	Manual
4634	12.68	170.8	4591.55	-406.98	-406.96	35.24	0.68	408.48	175.05	Manual
4729	12.6	168.52	4684.25	-427.42	-427.41	38.97	0.53	429.18	174.79	Manual
4824	12.84	167.41	4776.92	-447.88	-447.86	43.33	0.36	449.95	174.47	Manual
4919	12.87	168.1	4869.54	-468.54	-468.52	47.81	0.16	470.95	174.17	Manual
5013	12.8	167.46	4961.19	-488.95	-488.93	52.23	0.17	491.71	173.9	Manual
5108	12.68	183.61	5053.88	-509.64	-509.61	53.86	3.74	512.45	173.97	Manual
5203	12.41	181.85	5146.61	-530.24	-530.22	52.87	0.49	532.85	174.31	Manual
5298	12.77	176.33	5239.33	-550.93	-550.9	53.22	1.32	553.47	174.48	Manual
5392	12.91	173.77	5330.98	-571.73	-571.71	55.02	0.62	574.35	174.5	Manual
5487	12.83	178.59	5423.6	-592.83	-592.8	56.43	1.13	595.48	174.56	Manual
5582	13.09	176.69	5516.18	-614.11	-614.09	57.31	0.53	616.76	174.67	Manual
5677	13.05	178.72	5608.72	-635.58	-635.55	58.17	0.49	638.21	174.77	Manual
5771	12.94	179.37	5700.31	-656.71	-656.68	58.53	0.19	659.29	174.91	Manual
5866	12.85	178.72	5792.92	-677.91	-677.88	58.88	0.18	680.43	175.04	Manual
5961	12.69	177.32	5885.57	-698.89	-698.87	59.6	0.37	701.4	175.13	Manual
6056	11.51	176.5	5978.45	-718.78	-718.75	60.67	1.26	721.31	175.18	Manual
6151	2.27	170.56	6072.67	-730.12	-730.09	61.56	9.74	732.68	175.18	Manual
6245	5.86	30.59	6166.53	-727.82	-727.79	64.31	8.23	730.63	174.95	Manual
6340	11.63	24.99	6260.38	-714.96	-714.93	70.83	6.13	718.43	174.34	Manual
6435	21.51	6.25	6351.39	-688.89	-688.85	76.79	11.7	693.12	173.64	Manual
6530	30.19	355.45	6436.85	-647.66	-647.63	76.79	10.36	652.17	173.24	Manual
6625	39.28	354.35	6514.84	-593.81	-593.78	71.92	9.59	598.12	173.09	Manual
6719	47.87	359.53	6582.89	-529.2	-529.17	68.7	9.89	533.61	172.6	Manual
6814	54.55	1.8	6642.38	-455.21	-455.18	69.63	7.27	460.47	171.3	Manual
6909	61.82	2.56	6692.43	-374.6	-374.57	72.72	7.68	381.56	169.01	Manual
7004	69.69	2.91	6731.41	-288.15	-288.11	76.86	8.29	298.19	165.06	Manual
7099	76.96	3.01	6758.65	-197.33	-197.29	81.56	7.65	213.48	157.54	Manual

7193	84.12	1.41	6774.09	-104.74	-104.7	85.11	7.8	134.93	140.89	Manual
7288	87.77	355.61	6780.81	-10.07	-10.03	82.64	7.2	83.25	96.92	Manual
7383	89.47	357.11	6783.1	84.71	84.75	76.61	2.39	114.24	42.11	Manual
7478	89.76	356.04	6783.74	179.54	179.57	70.94	1.17	193.08	21.56	Manual
7572	89.53	356.8	6784.32	273.36	273.39	65.07	0.84	281.03	13.39	Manual
7667	89.4	1.33	6785.21	368.32	368.35	63.52	4.77	373.78	9.78	Manual
7762	89.44	1.26	6786.17	463.29	463.32	65.67	0.08	467.95	8.07	Manual
7857	89.6	0.96	6786.97	558.27	558.3	67.51	0.36	562.36	6.89	Manual
7951	89.92	1.59	6787.36	652.24	652.27	69.6	0.75	655.97	6.09	Manual
8046	89.78	1.81	6787.61	747.2	747.23	72.42	0.27	750.73	5.54	Manual
8141	89.62	0.7	6788.11	842.17	842.2	74.5	1.18	845.49	5.05	Manual
8236	89.67	359.75	6788.7	937.17	937.2	74.87	1	940.19	4.57	Manual
8330	89.75	0.13	6789.17	1031.16	1031.2	74.77	0.41	1033.91	4.15	Manual
8425	89.76	1.63	6789.58	1126.15	1126.18	76.23	1.58	1128.76	3.87	Manual
8520	89.41	359.49	6790.27	1221.14	1221.17	77.16	2.28	1223.61	3.62	Manual
8615	90.4	0.1	6790.42	1316.13	1316.17	76.82	1.22	1318.41	3.34	Manual
8709	90.05	359.9	6790.05	1410.13	1410.17	76.82	0.43	1412.26	3.12	Manual
8804	90.44	359.17	6789.65	1505.13	1505.16	76.05	0.87	1507.08	2.89	Manual
8899	90.22	358.66	6789.1	1600.11	1600.14	74.25	0.58	1601.87	2.66	Manual
8994	90.52	359.69	6788.49	1695.1	1695.13	72.88	1.13	1696.7	2.46	Manual
9088	90.27	357.76	6787.84	1789.07	1789.1	70.79	2.07	1790.5	2.27	Manual
9183	90.22	357.95	6787.43	1884	1884.03	67.23	0.21	1885.23	2.04	Manual
9278	90.2	357.36	6787.08	1978.92	1978.95	63.35	0.62	1979.97	1.83	Manual
9373	90.38	358.7	6786.6	2073.87	2073.89	60.08	1.42	2074.76	1.66	Manual
9467	90.02	358.26	6786.28	2167.83	2167.86	57.59	0.6	2168.62	1.52	Manual
9562	90.15	358.88	6786.13	2262.8	2262.83	55.22	0.67	2263.5	1.4	Manual
9657	90.51	358.37	6785.59	2357.78	2357.8	52.94	0.66	2358.39	1.29	Manual
9752	90.21	354.86	6784.99	2452.6	2452.62	47.33	3.71	2453.07	1.11	Manual
9847	90.35	356.75	6784.53	2547.34	2547.36	40.38	1.99	2547.68	0.91	Manual
9941	90.26	356.55	6784.03	2641.18	2641.2	34.89	0.23	2641.43	0.76	Manual
10036	90.25	0.07	6783.6	2736.12	2736.14	32.09	3.71	2736.33	0.67	Manual
10131	90.19	358.7	6783.24	2831.11	2831.13	31.07	1.44	2831.3	0.63	Manual
10226	90.12	4.09	6782.98	2926.05	2926.07	33.38	5.67	2926.26	0.65	Manual
10320	89.62	1.12	6783.19	3019.94	3019.96	37.65	3.2	3020.19	0.71	Manual
10415	89.66	1.9	6783.79	3114.9	3114.92	40.15	0.82	3115.18	0.74	Manual
10510	89.61	0.19	6784.4	3209.88	3209.9	41.89	1.8	3210.17	0.75	Manual
10605	89.62	0.38	6785.03	3304.88	3304.9	42.36	0.2	3305.17	0.73	Manual
10700	89.6	0.87	6785.68	3399.87	3399.89	43.39	0.52	3400.17	0.73	Manual
10794	89.74	0.77	6786.22	3493.86	3493.88	44.74	0.18	3494.16	0.73	Manual
10889	89.58	2.15	6786.79	3588.82	3588.84	47.16	1.46	3589.15	0.75	Manual
10984	89.72	0.76	6787.37	3683.79	3683.81	49.57	1.47	3684.14	0.77	Manual
11079	89.43	359.93	6788.07	3778.78	3778.8	50.14	0.93	3779.14	0.76	Manual
11174	89.65	1.21	6788.83	3873.77	3873.79	51.09	1.37	3874.13	0.76	Manual
11269	89.8	358.26	6789.29	3968.76	3968.78	50.65	3.11	3969.1	0.73	Manual
11363	89.62	1.66	6789.77	4062.74	4062.77	50.58	3.62	4063.08	0.71	Manual
11458	89.62	359.57	6790.4	4157.73	4157.75	51.6	2.2	4158.07	0.71	Manual
11553	89.72	357.81	6790.94	4252.7	4252.72	49.43	1.86	4253.01	0.67	Manual
11648	89.97	0.92	6791.2	4347.68	4347.71	48.38	3.28	4347.97	0.64	Manual
11742	89.97	0.44	6791.25	4441.67	4441.7	49.49	0.51	4441.97	0.64	Manual
11837	90.54	0.38	6790.83	4536.67	4536.69	50.17	0.6	4536.97	0.63	Manual

11932	90.63	0.05	6789.86	4631.66	4631.69	50.53	0.36	4631.96	0.63	Manual
12026	90.29	0.4	6789.1	4725.66	4725.68	50.9	0.52	4725.96	0.62	Manual
12121	90.22	358.7	6788.68	4820.65	4820.68	50.15	1.79	4820.94	0.6	Manual
12216	90.57	357.02	6788.02	4915.58	4915.61	46.61	1.81	4915.83	0.54	Manual
12310	90.29	359.63	6787.32	5009.53	5009.55	43.86	2.79	5009.75	0.5	Manual
12405	90.31	0.09	6786.82	5104.53	5104.55	43.63	0.48	5104.74	0.49	Manual
12500	90.35	356.16	6786.27	5199.46	5199.48	40.52	4.14	5199.64	0.45	Manual
12595	90.18	359.85	6785.83	5294.39	5294.41	37.21	3.89	5294.54	0.4	Manual
12689	90.28	356.16	6785.46	5388.32	5388.33	33.94	3.93	5388.44	0.36	Manual
12784	90.67	2.63	6784.67	5483.26	5483.27	32.94	6.82	5483.37	0.34	Manual
12879	90.26	356.42	6783.9	5578.2	5578.22	32.15	6.55	5578.31	0.33	Manual
12973	90.62	0.05	6783.18	5672.14	5672.16	29.26	3.88	5672.23	0.3	Manual
13068	90.49	355.67	6782.25	5767.05	5767.06	25.71	4.61	5767.12	0.26	Manual
13163	90.5	0.07	6781.43	5861.96	5861.97	22.18	4.63	5862.01	0.22	Manual
13258	90.08	0.46	6780.95	5956.96	5956.97	22.62	0.6	5957.01	0.22	Manual
13353	90.27	357.93	6780.66	6051.94	6051.95	21.29	2.67	6051.99	0.2	Manual
13447	90.17	358.1	6780.3	6145.88	6145.89	18.03	0.21	6145.92	0.17	Manual
13542	90	358.32	6780.16	6240.84	6240.85	15.06	0.29	6240.86	0.14	Manual
13637	89.84	358.24	6780.29	6335.8	6335.8	12.21	0.19	6335.82	0.11	Manual
13731	89.85	359.84	6780.55	6429.78	6429.79	10.64	1.7	6429.8	0.09	Manual
13826	89.83	2.13	6780.81	6524.76	6524.77	12.27	2.41	6524.78	0.11	Manual
13921	89.72	3.77	6781.19	6619.63	6619.64	17.16	1.73	6619.66	0.15	Manual
14016	89.58	359.49	6781.77	6714.56	6714.57	19.86	4.51	6714.6	0.17	Manual
14110	89.74	357.24	6782.32	6808.52	6808.53	17.18	2.4	6808.55	0.14	Manual
14205	89.64	359.11	6782.84	6903.47	6903.47	14.15	1.97	6903.49	0.12	Manual
14300	89.71	0.67	6783.38	6998.46	6998.47	13.97	1.64	6998.48	0.11	Manual
14395	90.02	1.82	6783.6	7093.44	7093.45	16.03	1.25	7093.46	0.13	Manual
14489	89.91	359.97	6783.66	7187.42	7187.43	17.5	1.97	7187.45	0.14	Manual
14584	89.4	359.51	6784.23	7282.42	7282.43	17.07	0.72	7282.45	0.13	Manual
14679	90.23	2.95	6784.54	7377.38	7377.39	19.11	3.72	7377.41	0.15	Manual
14774	89.78	355.57	6784.53	7472.31	7472.31	17.88	7.78	7472.34	0.14	Manual
14868	89.63	359.48	6785.01	7566.2	7566.21	13.83	4.16	7566.22	0.1	Manual
14963	90.14	358.9	6785.2	7661.19	7661.2	12.48	0.81	7661.21	0.09	Manual
15058	89.92	358.61	6785.15	7756.17	7756.17	10.42	0.38	7756.18	0.08	Manual
15152	89.99	359.44	6785.23	7850.16	7850.16	8.82	0.89	7850.17	0.06	Manual
15247	90.1	1.2	6785.15	7945.15	7945.16	9.35	1.86	7945.16	0.07	Manual
15342	90.24	359.91	6784.87	8040.14	8040.15	10.27	1.37	8040.15	0.07	Manual
15437	90.42	358.72	6784.32	8135.13	8135.14	9.13	1.27	8135.14	0.06	Manual
15531	90.32	357.92	6783.72	8229.09	8229.09	6.38	0.86	8229.1	0.04	Manual
15626	90.4	356.76	6783.12	8323.99	8323.99	1.97	1.22	8323.99	0.01	Manual
15721	90.24	356.07	6782.59	8418.8	8418.8	-3.97	0.75	8418.8	359.97	Manual
15815	90.29	355.73	6782.15	8512.56	8512.56	-10.69	0.37	8512.57	359.93	Manual
15910	90.42	356.53	6781.57	8607.35	8607.34	-17.1	0.85	8607.36	359.89	Manual
16005	90.31	357.48	6780.96	8702.22	8702.21	-22.07	1.01	8702.24	359.85	Manual
16100	90.22	358.65	6780.52	8797.16	8797.15	-25.27	1.24	8797.19	359.84	Manual
16194	90.27	0.09	6780.12	8891.15	8891.14	-26.31	1.53	8891.18	359.83	Manual
16289	90.24	1.77	6779.7	8986.14	8986.12	-24.77	1.77	8986.16	359.84	Manual
16384	90.28	1.92	6779.27	9081.08	9081.07	-21.71	0.16	9081.1	359.86	Manual
16479	90.3	1.43	6778.78	9176.04	9176.03	-18.93	0.52	9176.05	359.88	Manual

16574	90.29	2.25	6778.3	9270.99	9270.98	-15.88	0.86	9270.99	359.9	Manual
16669	90.38	2.75	6777.74	9365.89	9365.89	-11.74	0.53	9365.9	359.93	Manual
16763	90.27	3.14	6777.21	9459.77	9459.76	-6.91	0.43	9459.77	359.96	Manual
16858	90.33	2.93	6776.71	9554.63	9554.63	-1.88	0.23	9554.63	359.99	Manual
16953	90.24	1.58	6776.24	9649.55	9649.55	1.86	1.42	9649.55	0.01	Manual
17048	90.3	0.02	6775.79	9744.54	9744.54	3.19	1.64	9744.54	0.02	Manual
17085	90.18	359.55	6775.63	9781.53	9781.54	3.05	1.31	9781.54	0.02	Manual
17115	90.18	359.55	6775.54	9811.53	9811.54	2.81	0	9811.54	0.02	Manual

Company: NOBLE ENERGY INC
Well: Guttersen C28-735
Field Name: WATTENBERG
Country Name: United States
State Name: Colorado
County Name: Weld

XBOLT GAMMA RAY
5in/100ft Measured Depth
Final Print
Recorded Mode