



PHOENIX TECHNOLOGY SERVICES

MID
1:240
Feet

Client: EQT Production Company

Well Name: 513370

County: Lewis Maxwell Lease

MWD Gamma / ROP

Unique ID/API: 47-17-05957

Company Representative

Surface Location: Doddridge County, W.V.

B. Teele / D. Vanhausen

Country: USA

State: West Virginia

Geologist

Rig Name: Savanna 640

Kevin Wolfe

Latitude: 39° 16'19.681 N

Longitude: 80° 46' 18.273 W

License/Permit#: 05957

Directional Drillers

Job No: 1130027

Lawrence Coetzee

Permanent Datum: mean sea level

Robert Parker

Drilling Measurement From: Rig Floor

GL: 1180 Feet

KB: 1194 Feet

Spud Date: -

MWD Operator

Print Date: February 3, 2011

Bob Dillon

Log Start Depth: 6150 Feet

Tim Elliott

Log End Depth: 9660 Feet

Greg Stephan

Bottom Hole Temp: 35.0 °F

Leg Name
Main Leg

Comments:

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BitRun:	1	2	3
Start Depth (ft):	3920	6392.8	7107
End Depth (ft):	6392.8	7107	9656.1
Start Date:		2011/01/31	2011/02/01
End Date:	2011/01/31	2011/02/01	2011/02/03
Gamma Scale Factor:	3.727	3.727	3.727
Survey-to-Bit (PTB):	44	44	44
Gamma-to-Bit (GTB):	39	39	39
Tool Carrier ID (in):	2.9375	2.9375	2.9375
Tool Carrier OD (in):	5	5	5
Hole Size (in):	8.5	8.5	8.5
Casing Size (in):	9.625	9.625	9.625
Casing Start Depth (ft):	0	0	0
Casing End Depth (ft):	3192	3192	3192
Mud Type:	Water-Based	Water-Based	Water-Based
Mud Weight (lb/gal):	12.5	12.5	12.5
Mud Viscosity:	45	45	45
KCL Correction Factor:	0.000	0.000	0.000
Mud KCL Content (%):	.00001	.00001	.00001
Comment:	-	-	-

BitRun:			
Start Depth (ft):			
End Depth (ft):			
Start Date:			
End Date:			
Gamma Scale Factor:			
Survey-to-Bit (PTB):			
Gamma-to-Bit (GTB):			
Tool Carrier ID (in):			
Tool Carrier OD (in):			
Hole Size (in):			
Casing Size (in):			
Casing Start Depth (ft):			
Casing End Depth (ft):			
Mud Type:			
Mud Weight (lb/gal):			
Mud Viscosity:			
KCL Correction Factor:			
Mud KCL Content (%):			
Comment:			

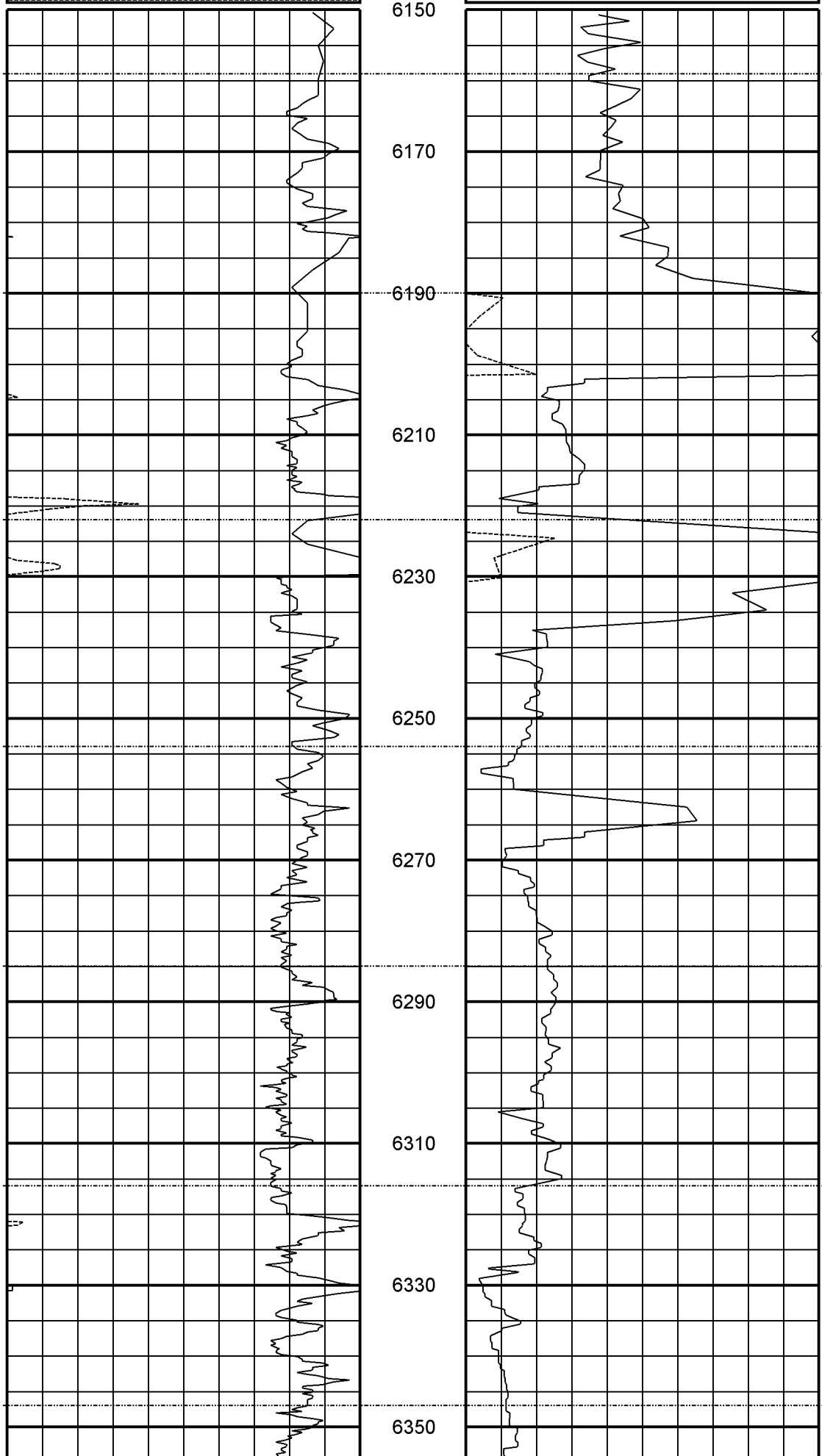


EQT Production Company
 513370
 Doddridge County, W.V.
 1130027

MD
1:240
Feet

0	Gamma (API)	250
250	Gamma (API)	500
500	Gamma (API)	750
750	Gamma (API)	1000

0	ROP (ft/hr)	150
150	ROP (ft/hr)	300



MD: 6159
 INC: 2
 AZM: 144.6

MD: 6190
 INC: 2.1
 AZM: 156.6

MD: 6222
 INC: 1
 AZM: 213

MD: 6254
 INC: 3.1
 AZM: 292.4

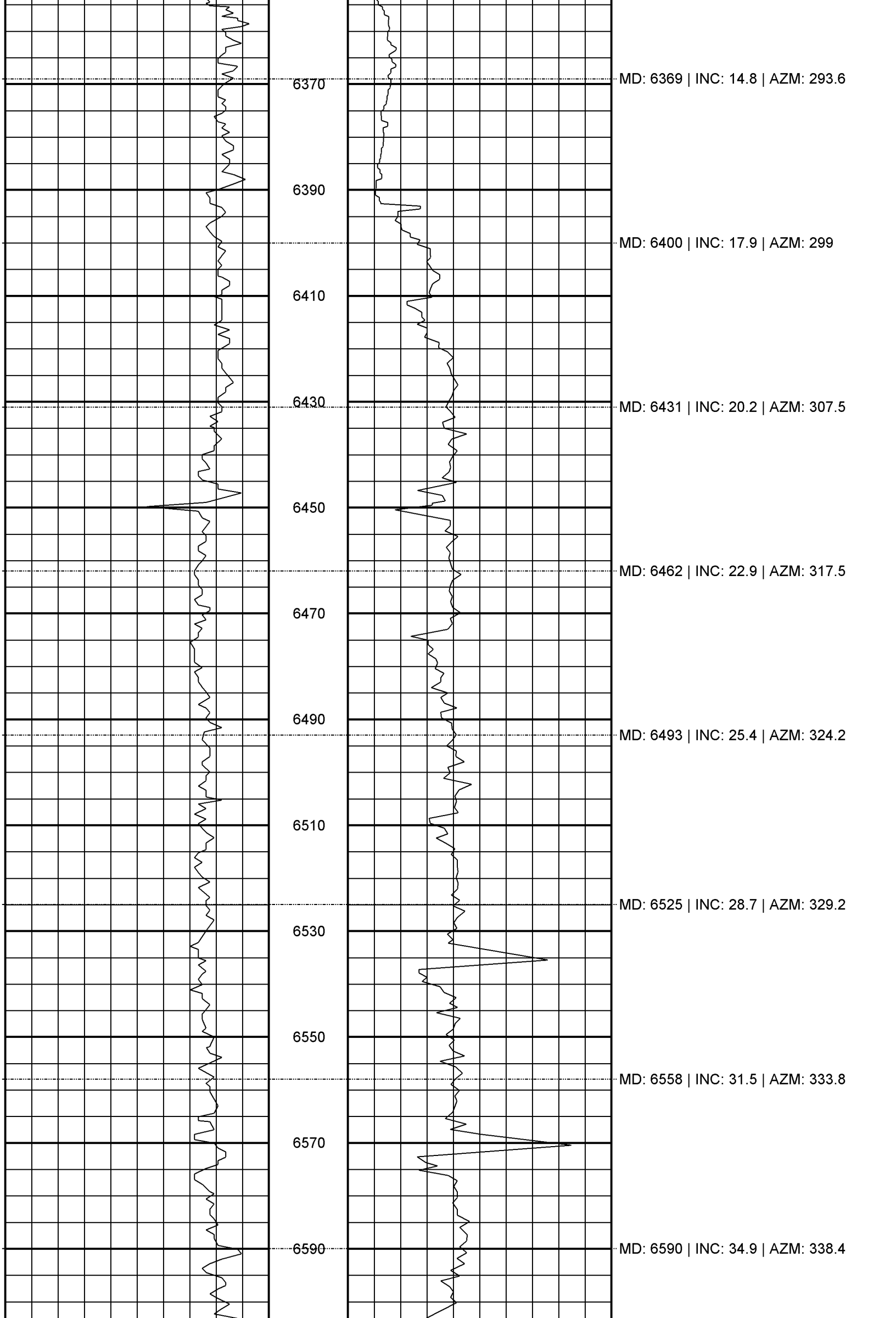
MD: 6285 | INC: 6.1 | AZM: 305.7

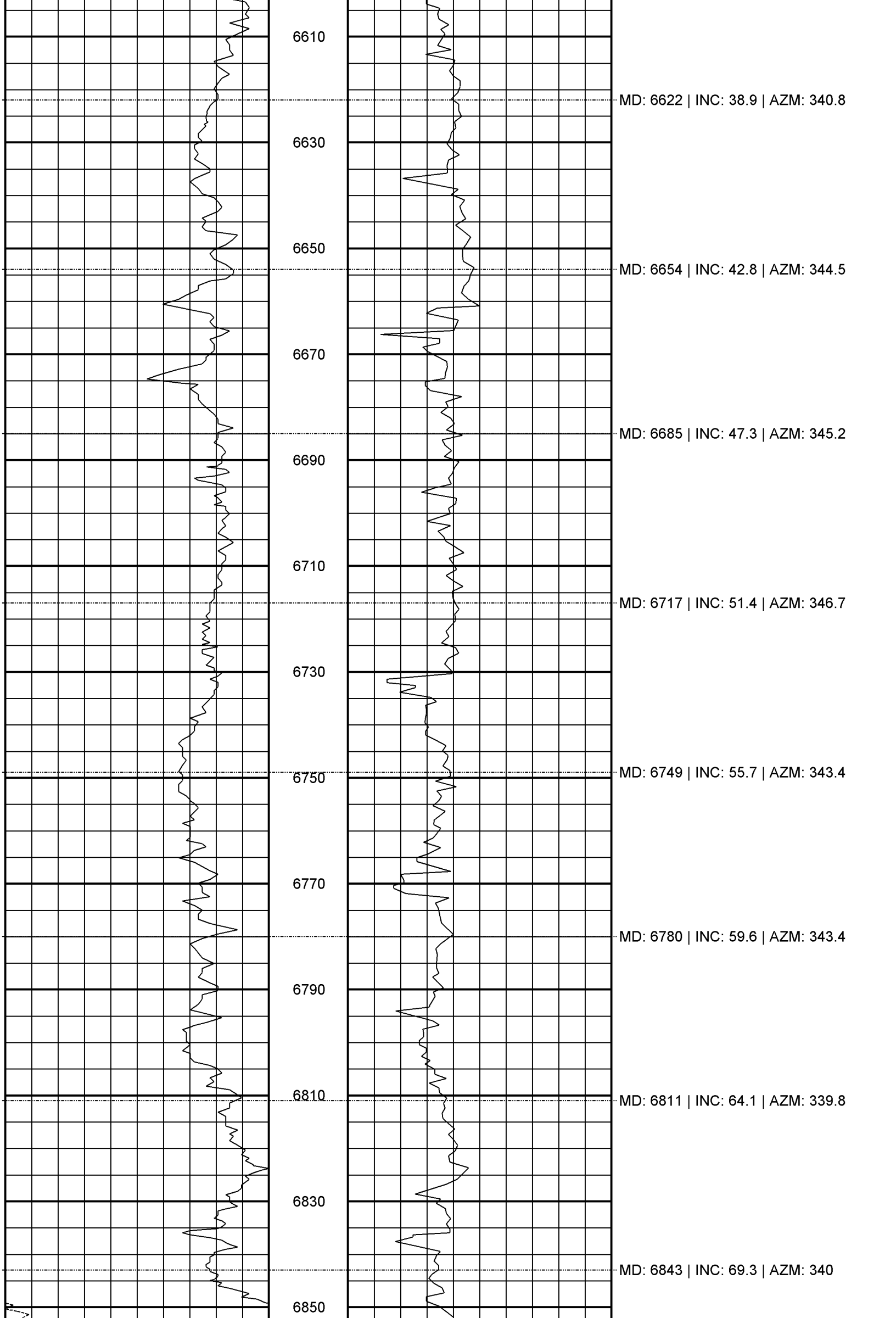
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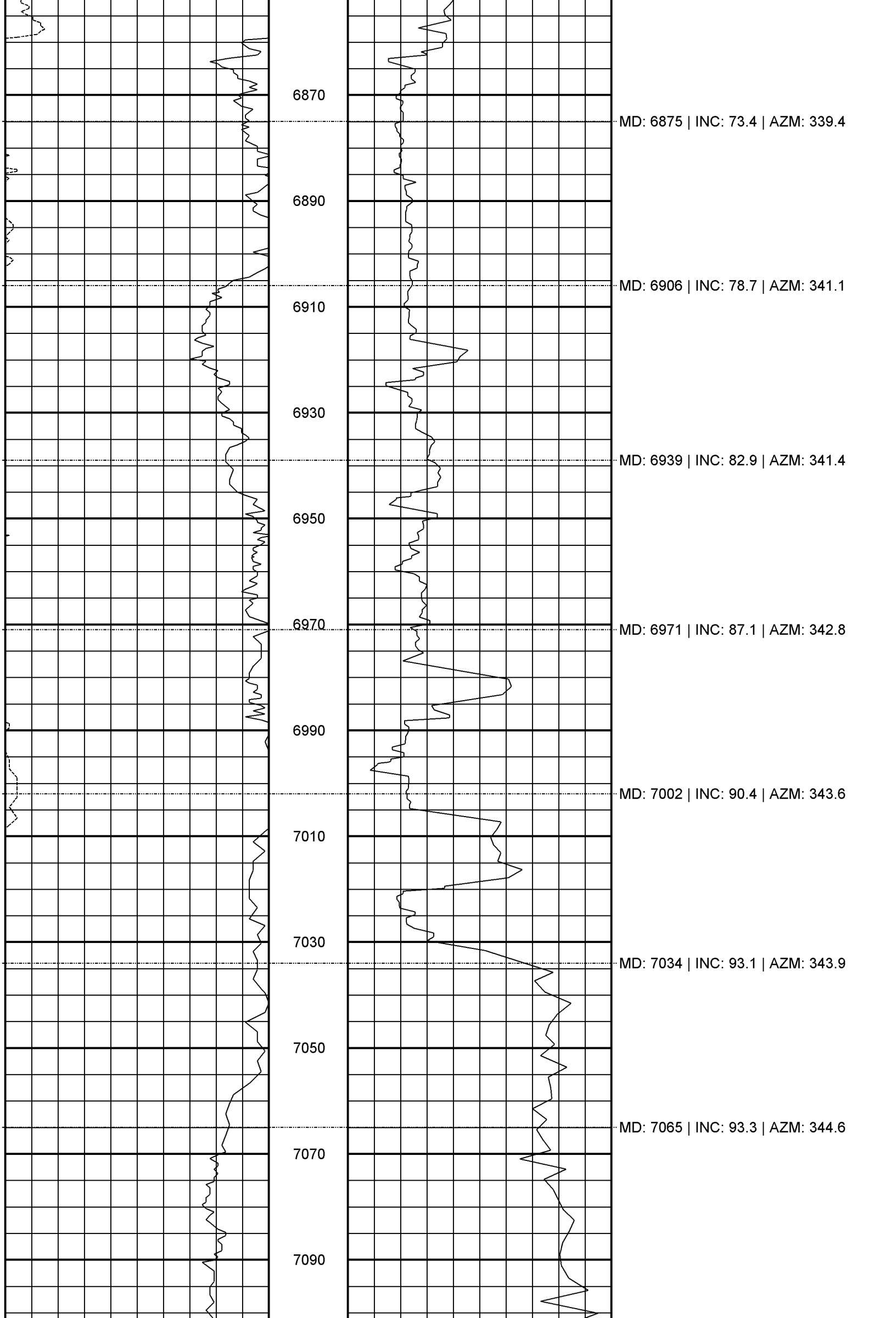
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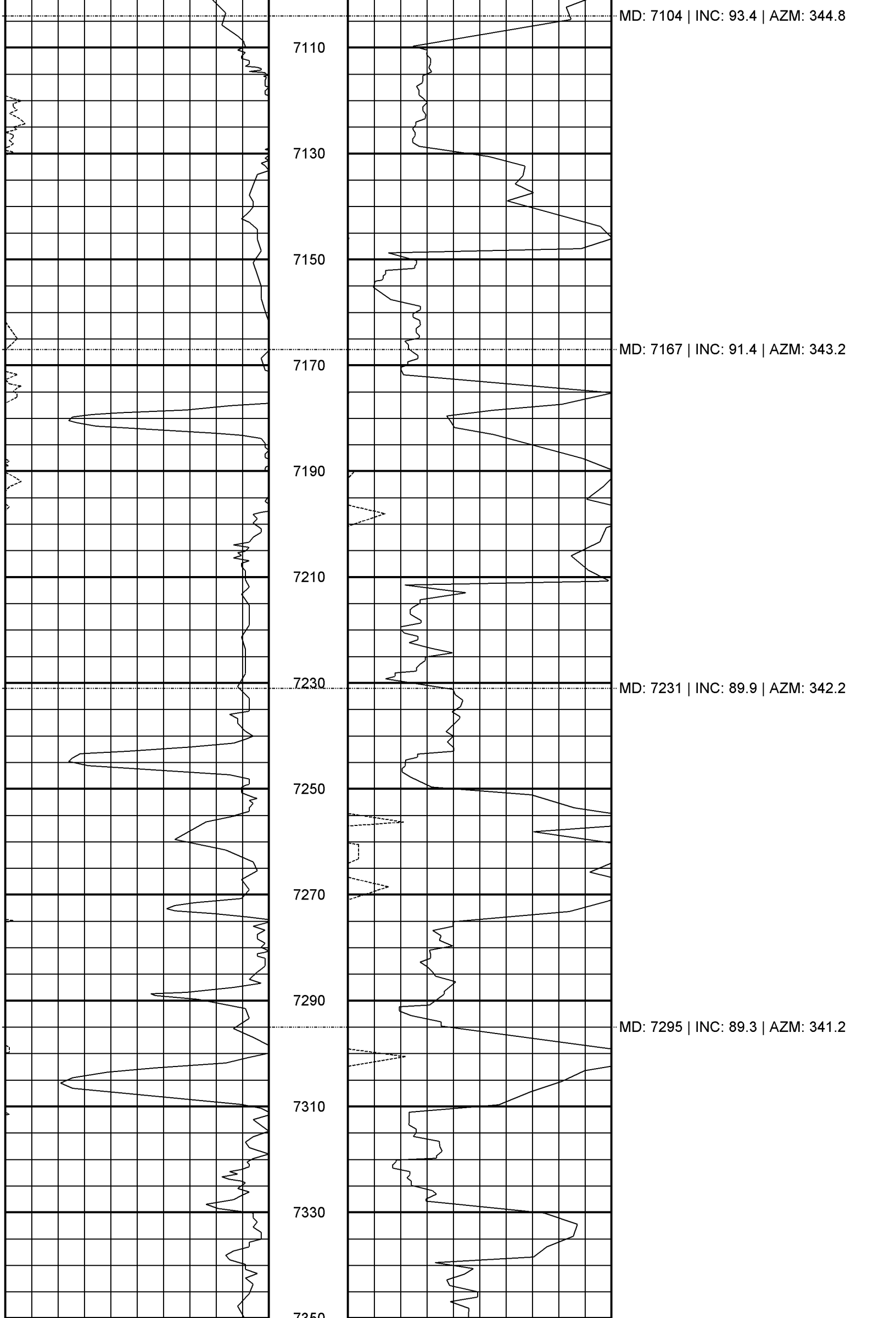


PHOENIX
TECHNOLOGY SERVICES









MD: 7104 | INC: 93.4 | AZM: 344.8

7110

7130

7150

7170

MD: 7167 | INC: 91.4 | AZM: 343.2

7190

7210

7230

MD: 7231 | INC: 89.9 | AZM: 342.2

7250

7270

7290

MD: 7295 | INC: 89.3 | AZM: 341.2

7310

7330

7350

MD: 7359 | INC: 88.1 | AZM: 338.7

7370

7390

7410

7430

7450

7470

7490

MD: 7487 | INC: 88.4 | AZM: 332.9

7510

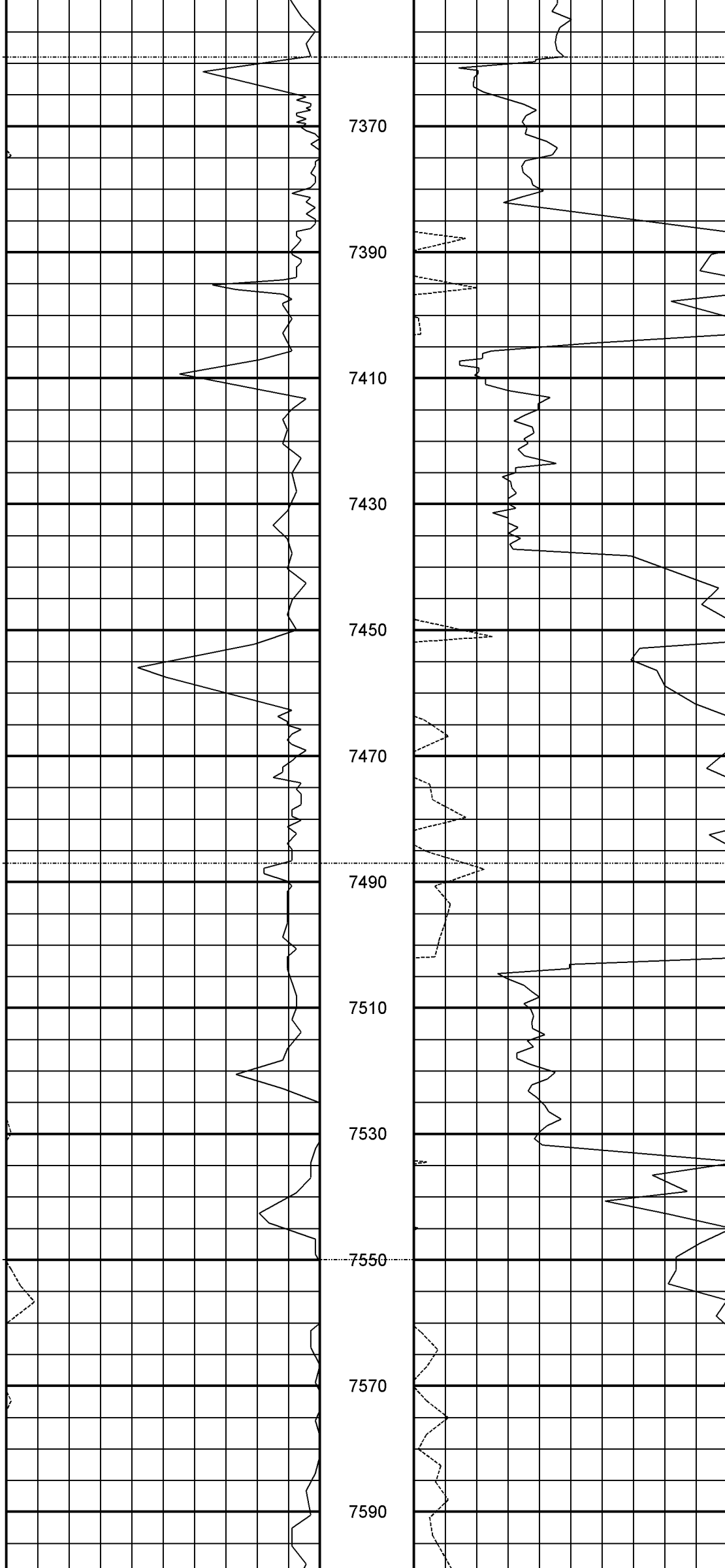
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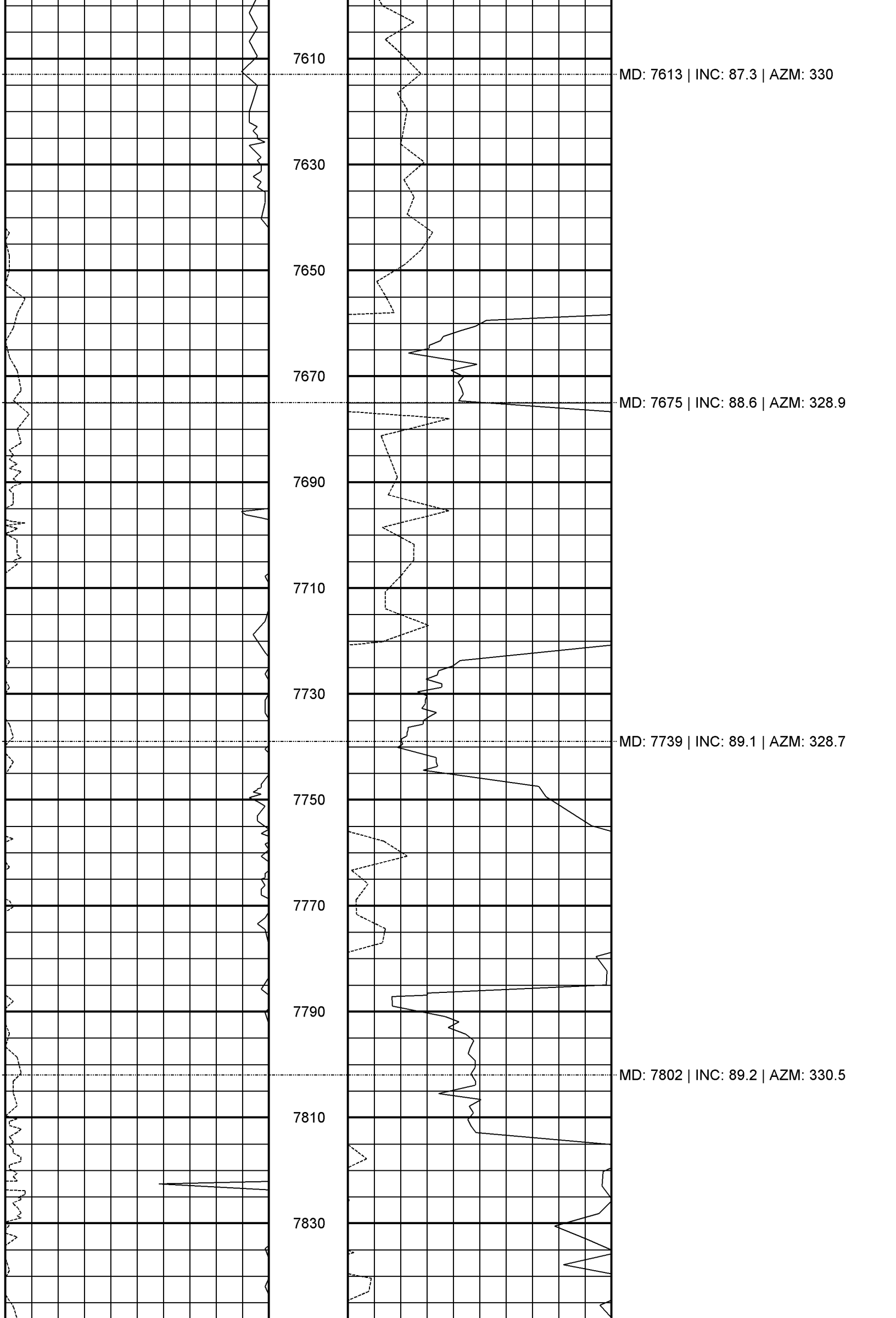
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MD: 7550 | INC: 87.1 | AZM: 331.4

7570

7590





7610

MD: 7613 | INC: 87.3 | AZM: 330

7630

7650

7670

MD: 7675 | INC: 88.6 | AZM: 328.9

7690

7710

7730

MD: 7739 | INC: 89.1 | AZM: 328.7

7750

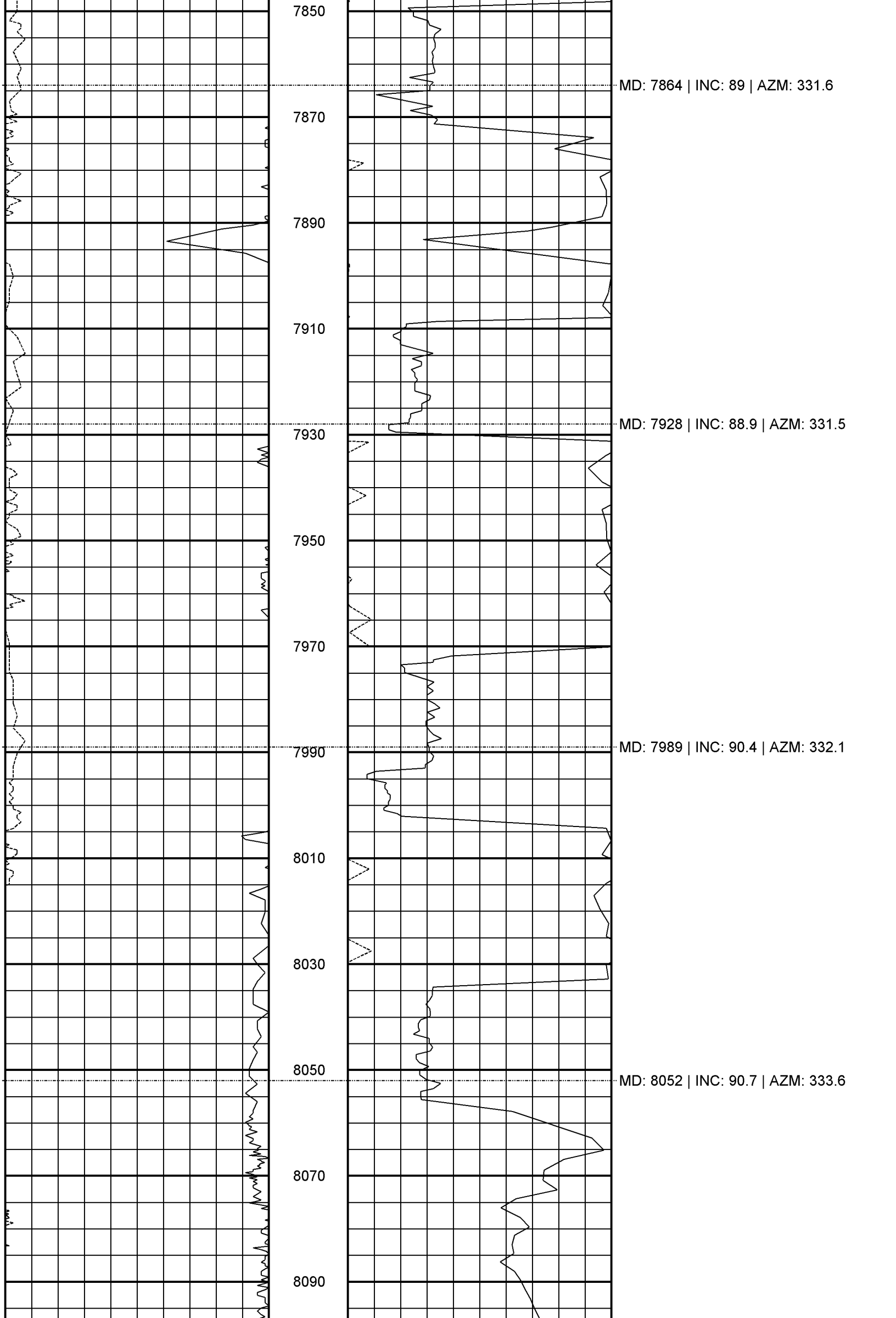
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MD: 7802 | INC: 89.2 | AZM: 330.5

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MD: 7864 | INC: 89 | AZM: 331.6

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7890

7910

MD: 7928 | INC: 88.9 | AZM: 331.5

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7970

MD: 7989 | INC: 90.4 | AZM: 332.1

7990

8010

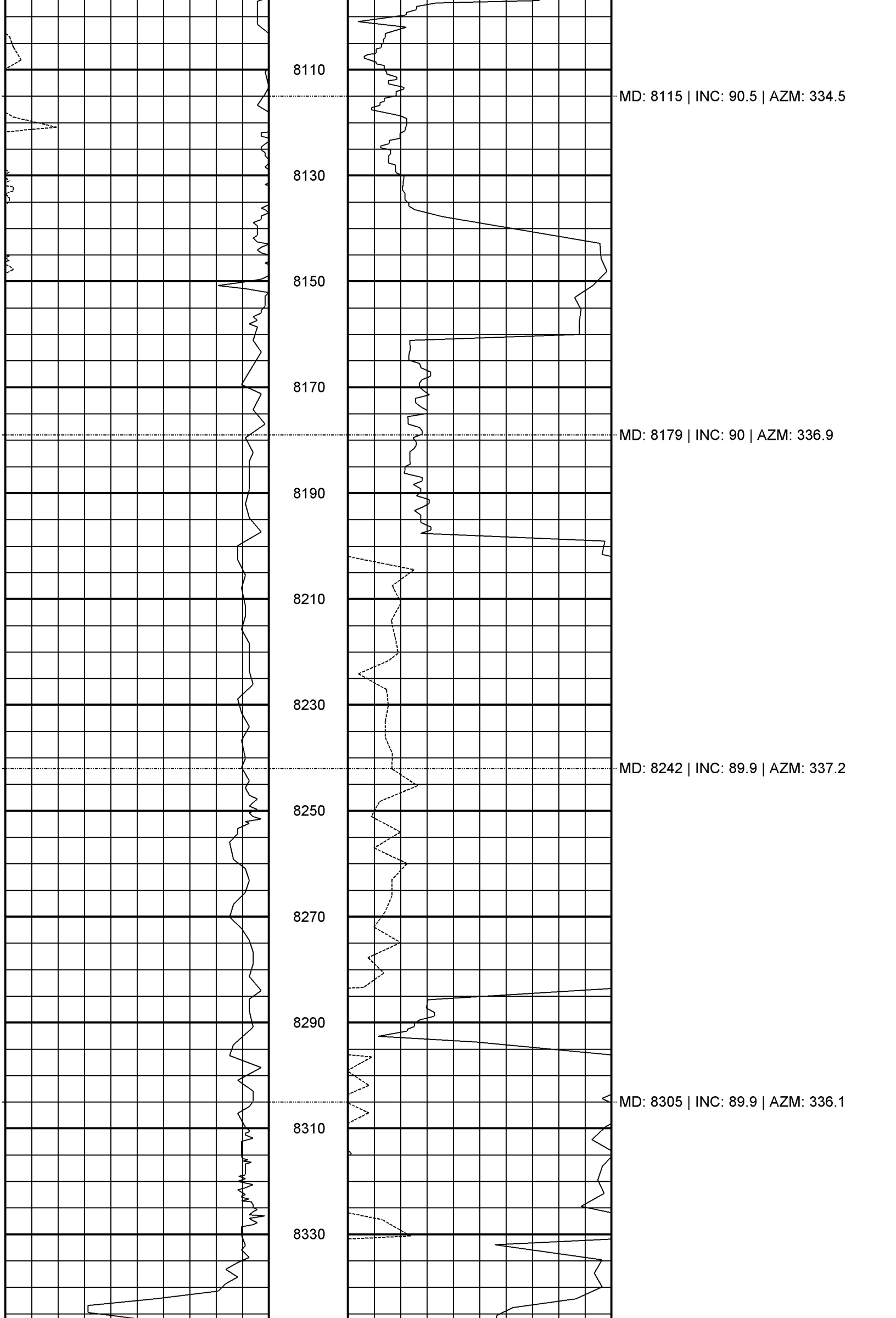
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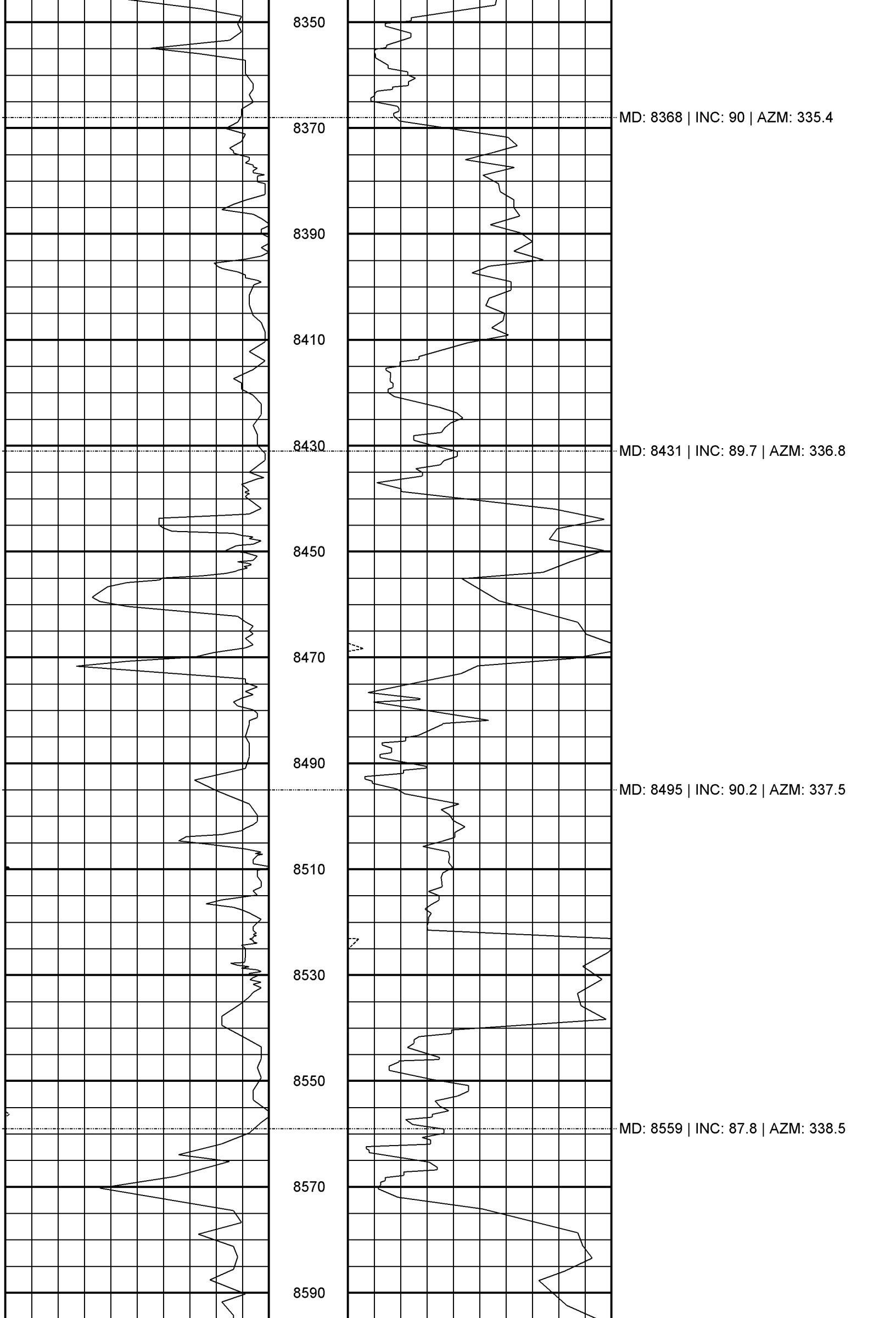
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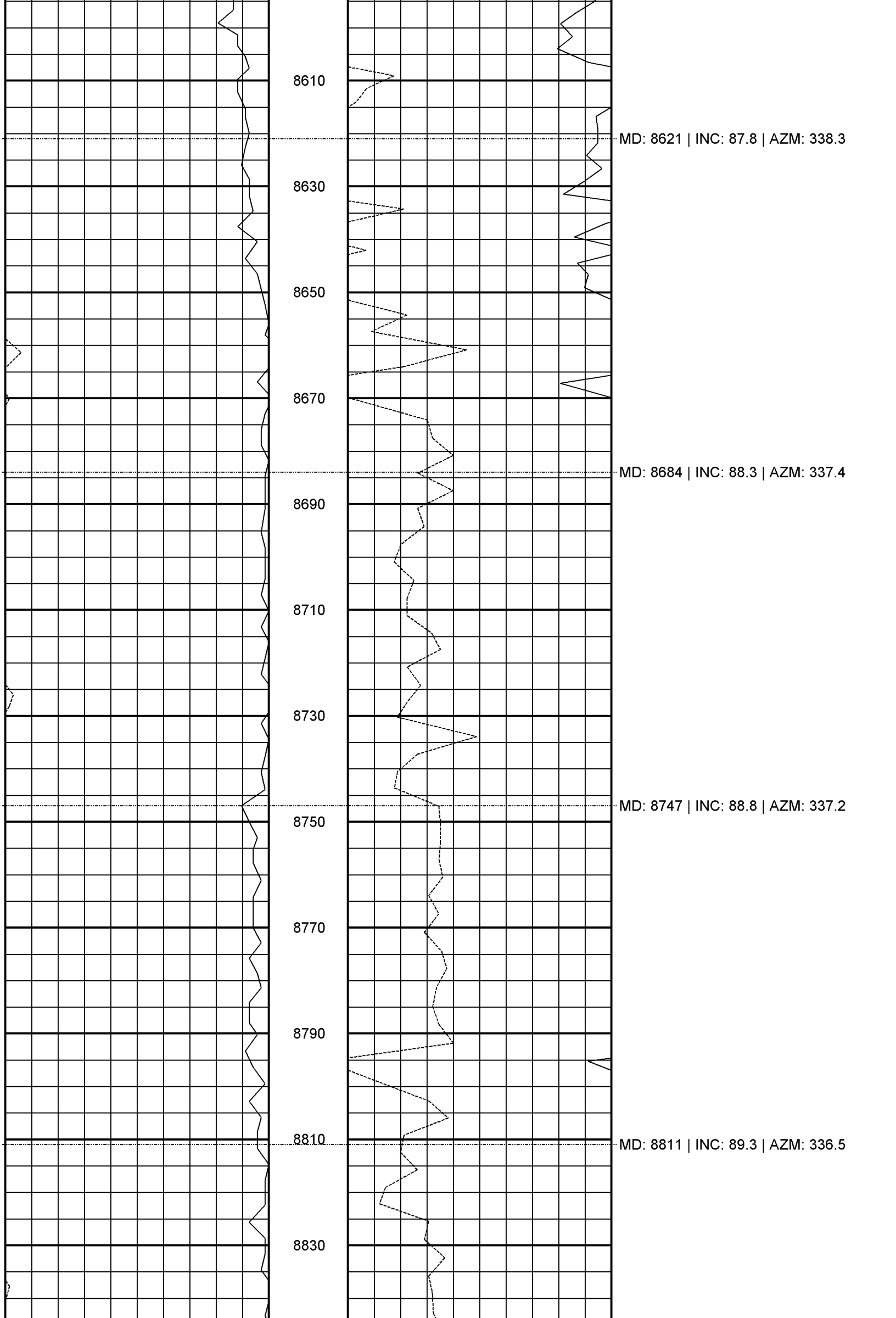
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8070

8090







8610

MD: 8621 | INC: 87.8 | AZM: 338.3

8630

8650

8670

MD: 8684 | INC: 88.3 | AZM: 337.4

8690

8710

8730

MD: 8747 | INC: 88.8 | AZM: 337.2

8750

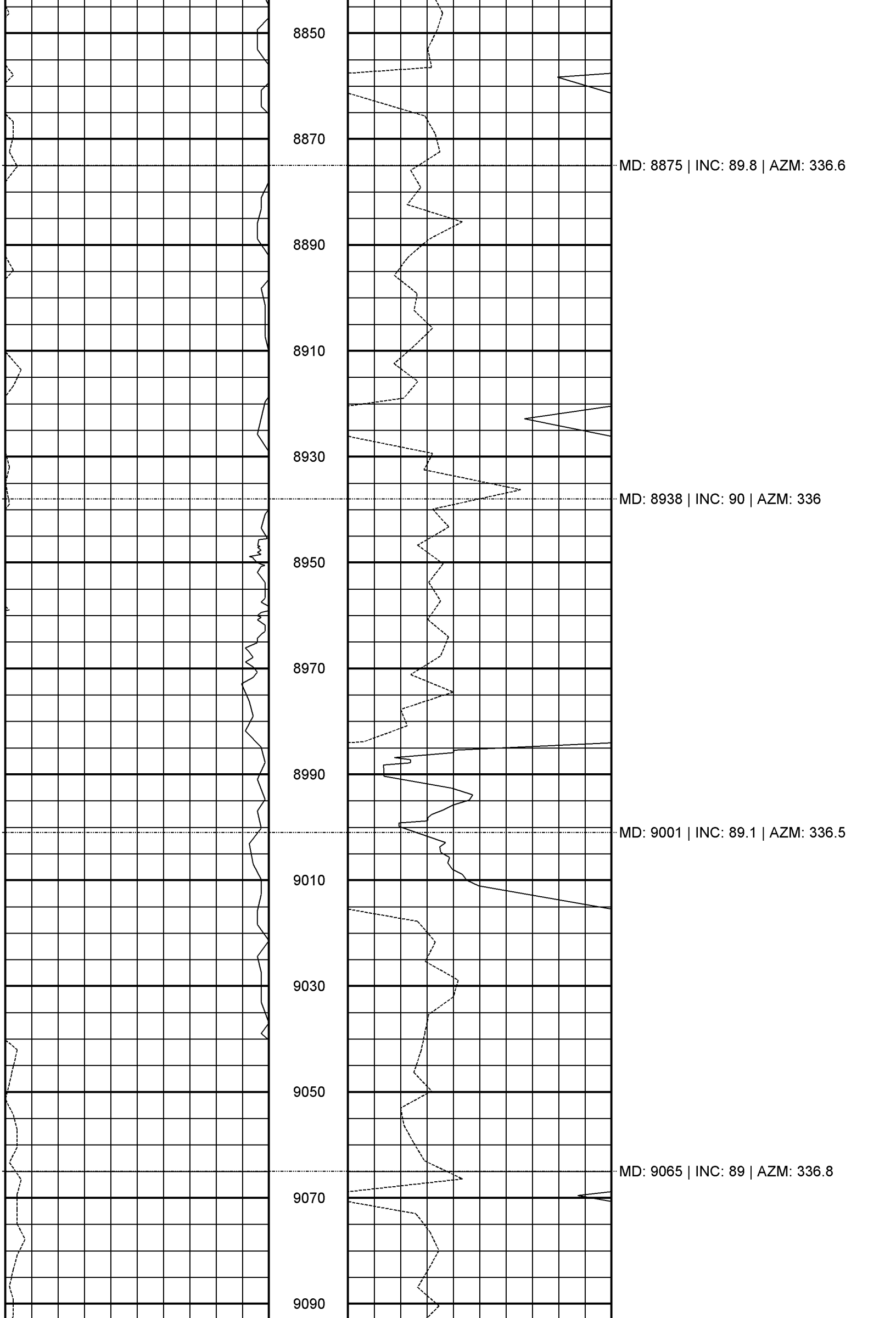
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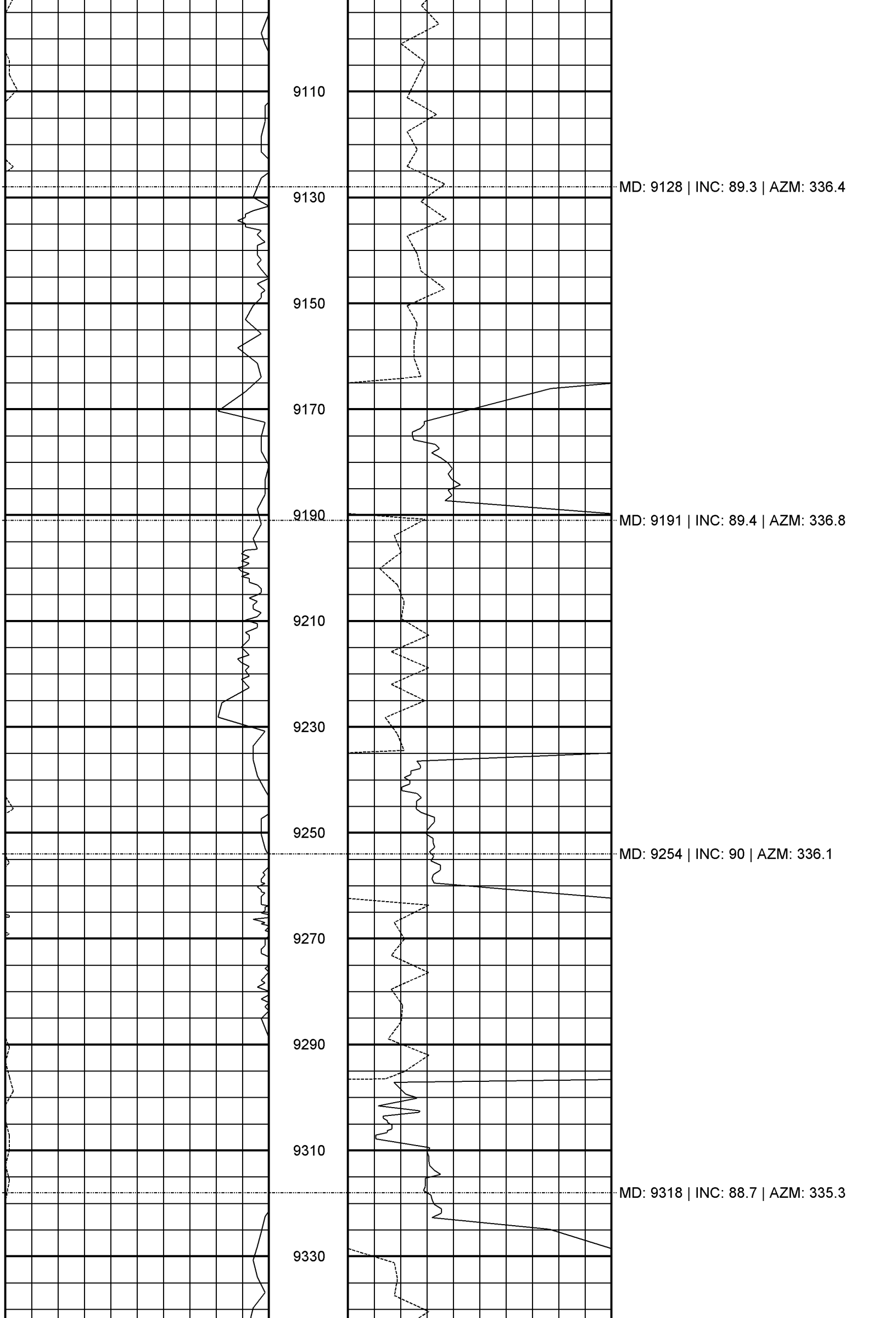
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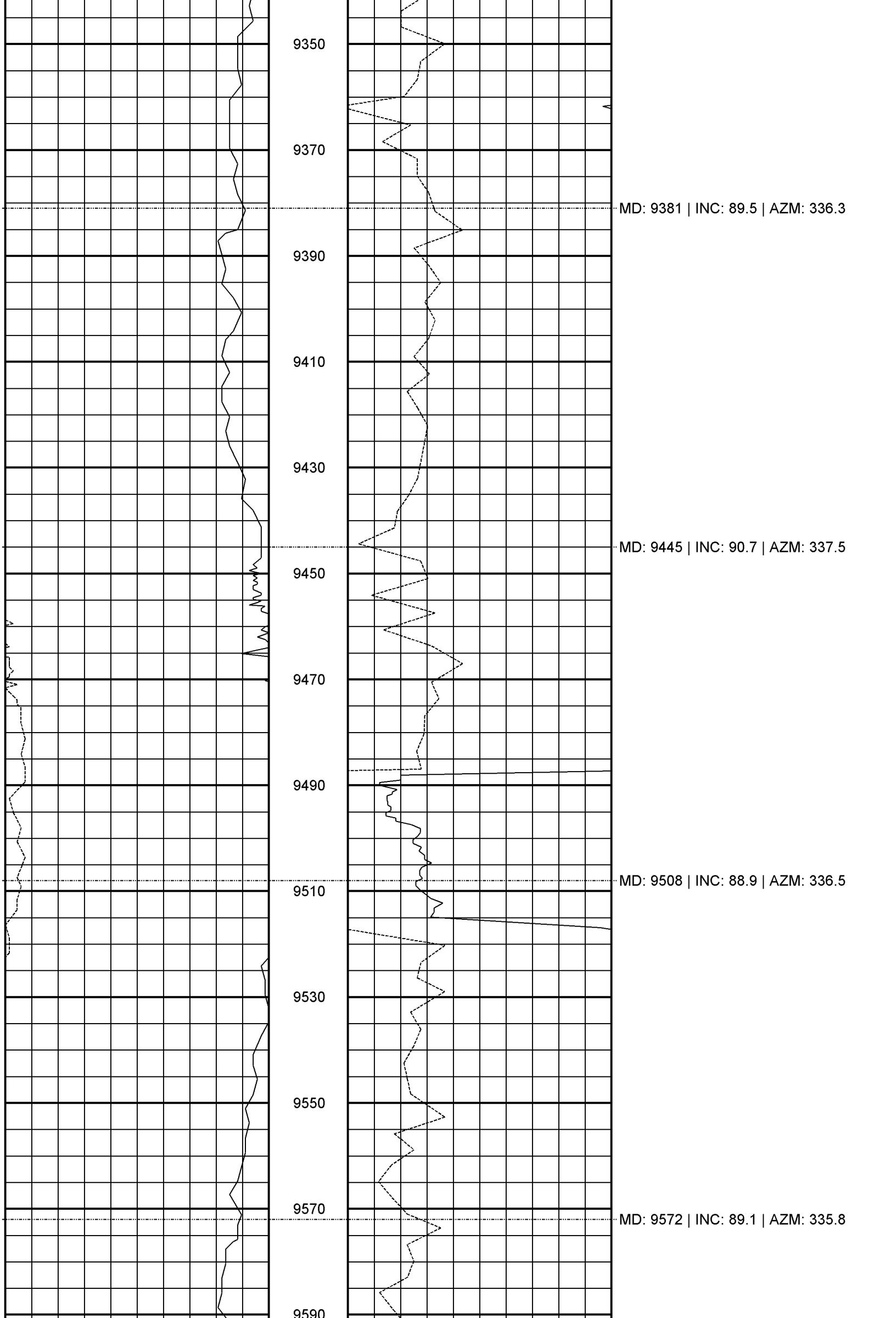
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MD: 8811 | INC: 89.3 | AZM: 336.5

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9370

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9490

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9570

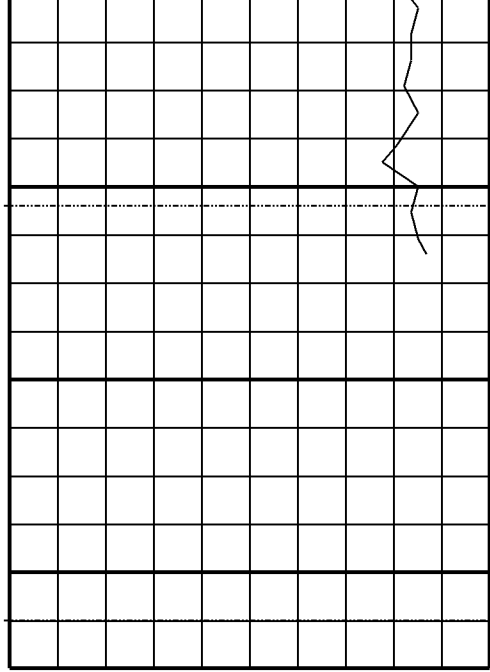
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MD: 9381 | INC: 89.5 | AZM: 336.3

MD: 9445 | INC: 90.7 | AZM: 337.5

MD: 9508 | INC: 88.9 | AZM: 336.5

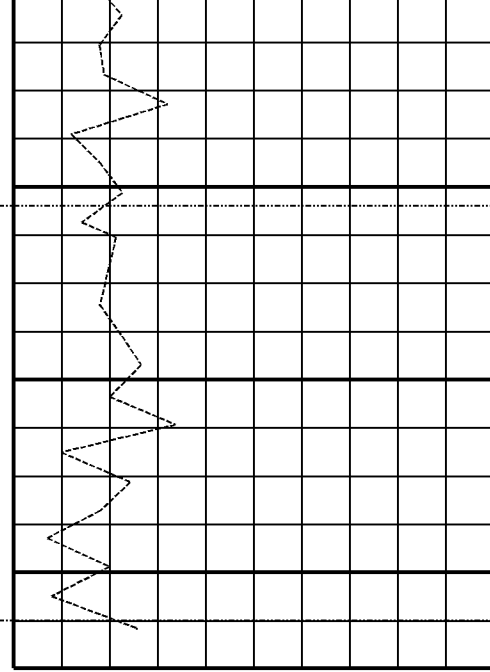
MD: 9572 | INC: 89.1 | AZM: 335.8



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9630

9650



MD: 9612 | INC: 90.4 | AZM: 337.3

MD: 9655 | INC: 90.4 | AZM: 337.3