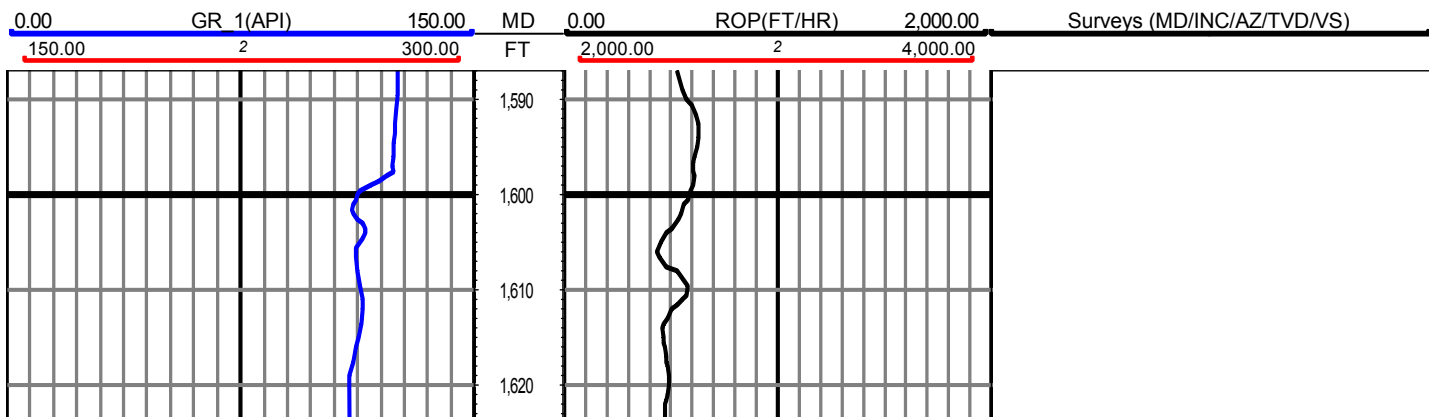


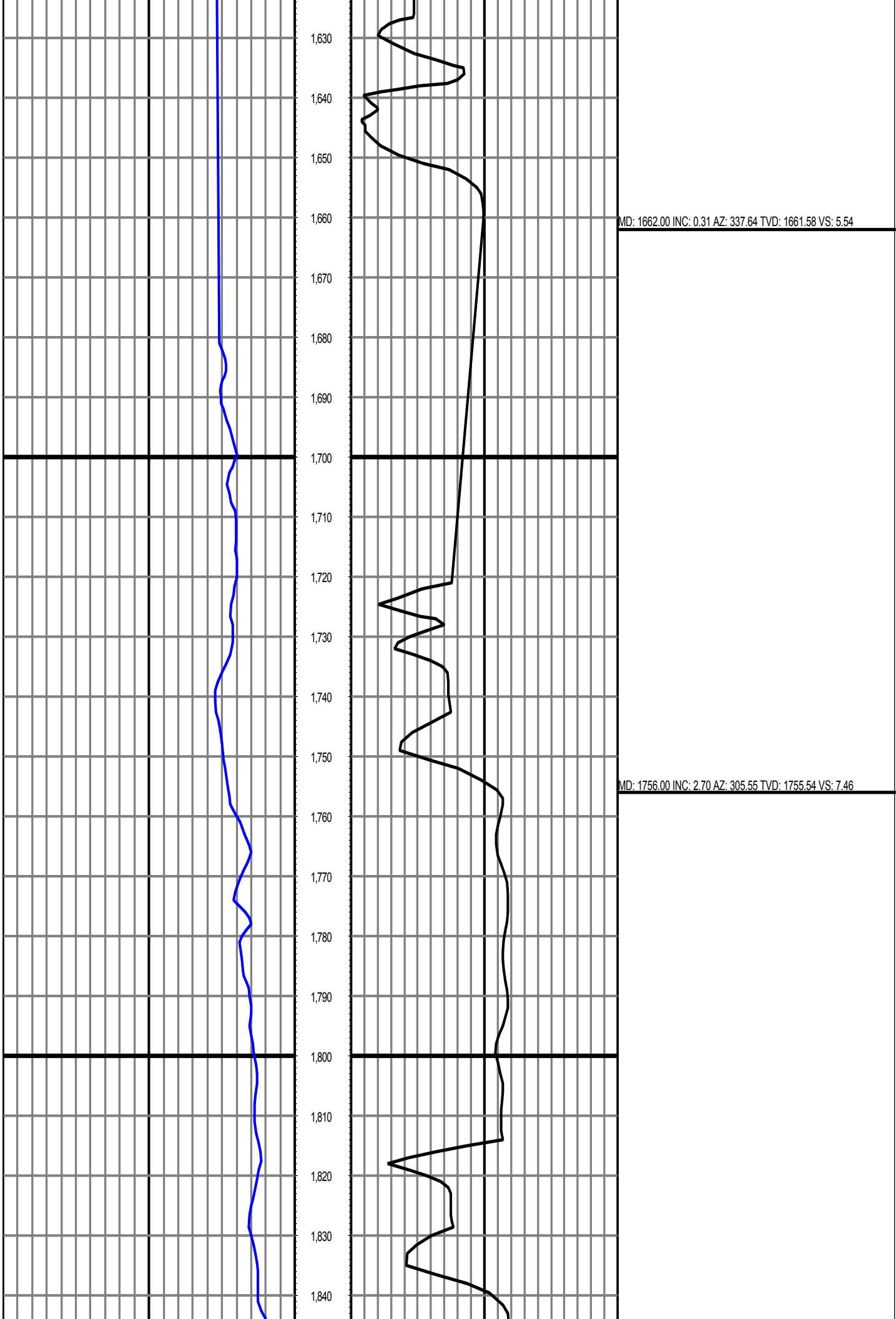
**MS Guidance**123 W. Oregon Lane
Glendive, MT 59330**Breniman #2****Scale 5":100' - MD****6/16/2016 12:46 PM****Oper. Company:** Extraction Oil & Gas**Well:** Breniman #2**Field:** Wattenburg**Rig:** Patterson 346**Well ID:** 05-123-40424-00**Job Number:** DDMT-160239**State:** Colorado**County:** Weld**Country:** USA**Location:** Windsor**Start Date:** 06/14/2016 14:00:00**End Date:** 06/16/2016 10:00:00**Latitude:** 40° 29' 35.675" N
Longitude: 104° 56' 32.921" W**Elev KB:** 4,821'**Elev DF:** 4,821'**Elev GL:** 4,796'**Operator 1:** Stephen Dudzik**Operator 2:** Seth Hill

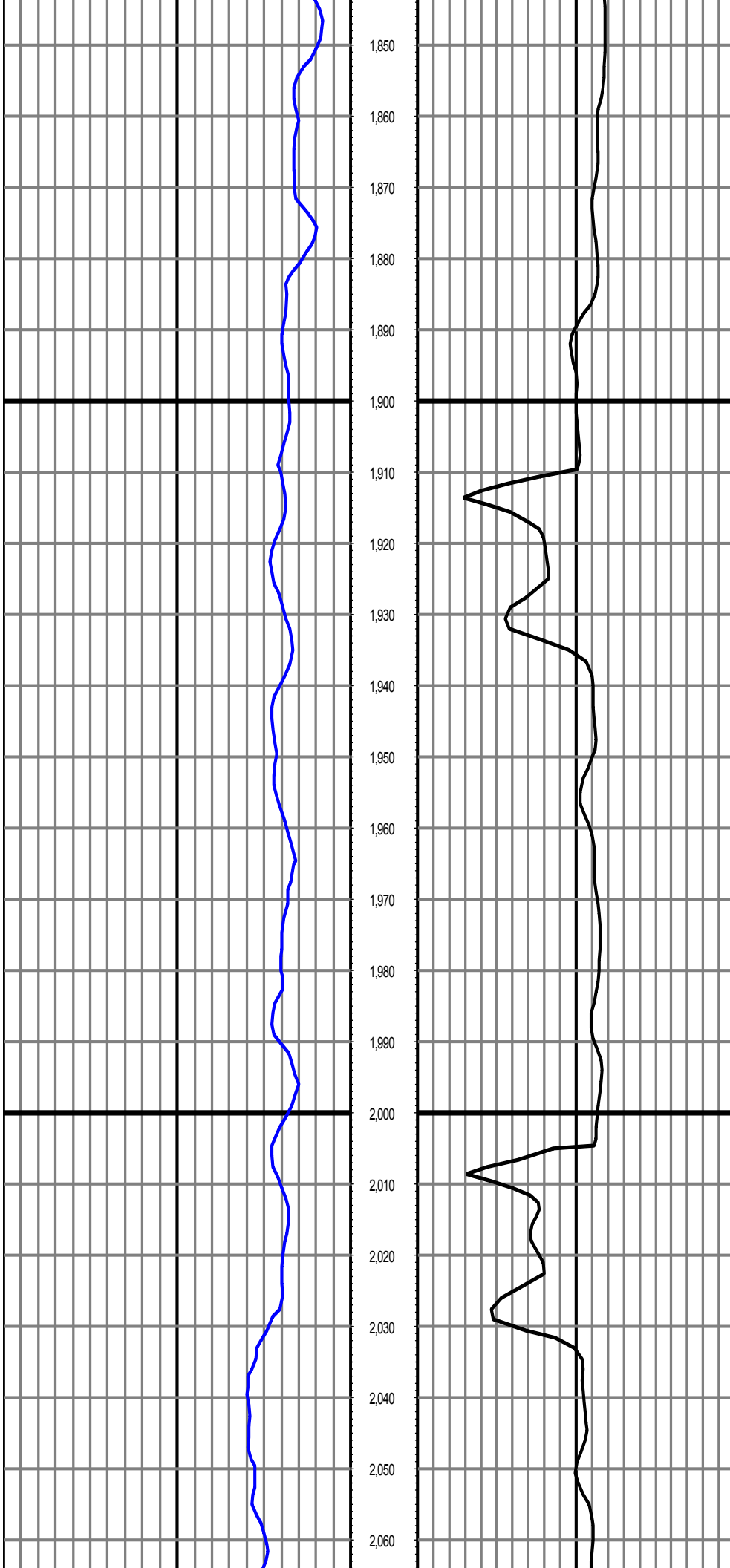
Tool Run Data	Run #1	Run #2	Run #3	Run #4	Run #5
Tool S/N	XGM-105	XGM-105			
Bit Size	7 7/8"	7 7/8"			
Cal Factor	4.75	9.029			
Survey Offset:	59.00	59.00			
Gamma Offset	40.00	40.00			
Resistivity Offset	0.00	0.00			
Start Depth	1550.00	6736.00			
StartDate	6/14/2016	6/15/2016			
StartTime	12:00	05:00			
EndDepth	6736.00	12149.00			
EndDate	6/15/2016	6/16/2016			
EndTime	04:00	16:00			
Mud Type	Invert	Invert			
Mud Weight	8.75	8.5			
Funnel Viscosity	41	38			
Plastic Viscosity	8	7			
Solids Content	8.9% LGS	8.5% LGS			
Temperature	174.2	2507.7			

Hole Data			Casing Data		
Size	From	To	Size	From	To
13 1/2"	25.00	1550.00	9 5/8"	25.00	1550.00
7 7/8"	1550.00	12149.00			

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not except in the case of gross or willful negligence on our part, be liable or responsible for any loss, cost damages or expenses incurred or sustained by anyone resulting from an interpretation made by any of our officers, agents, or employees.

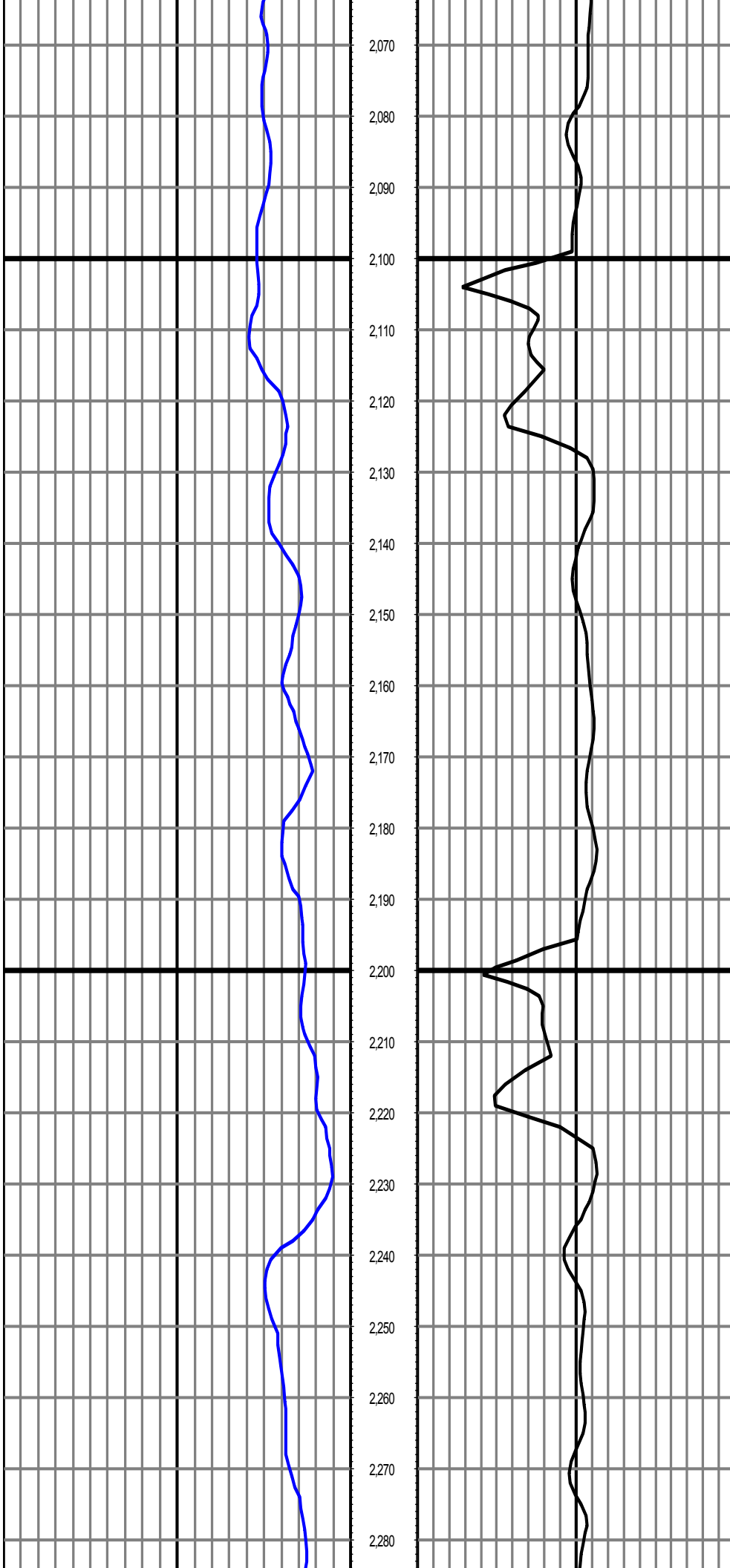




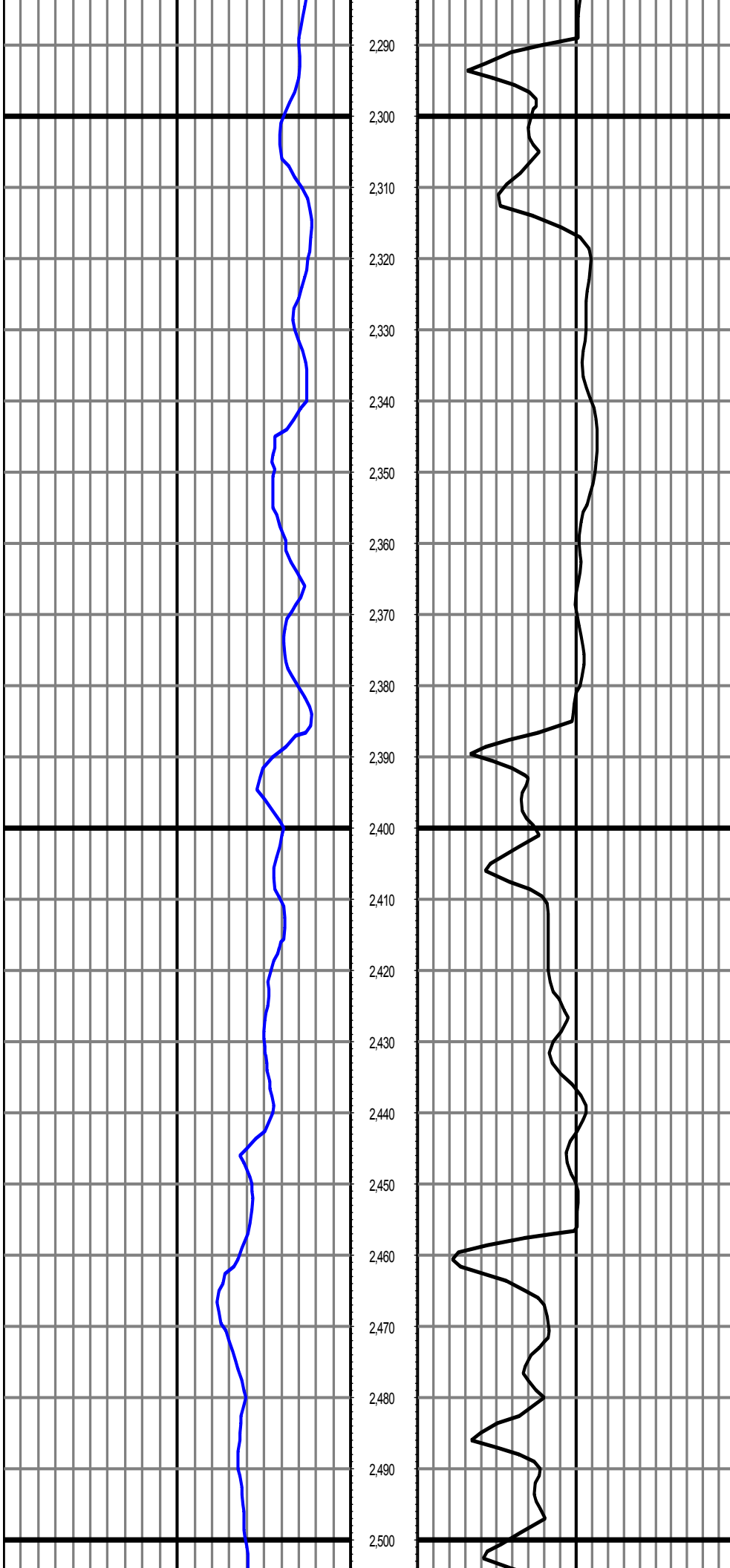


MD: 1946.00 INC: 6.89 AZ: 304.63 TVD: 1944.83 VS: 20.61

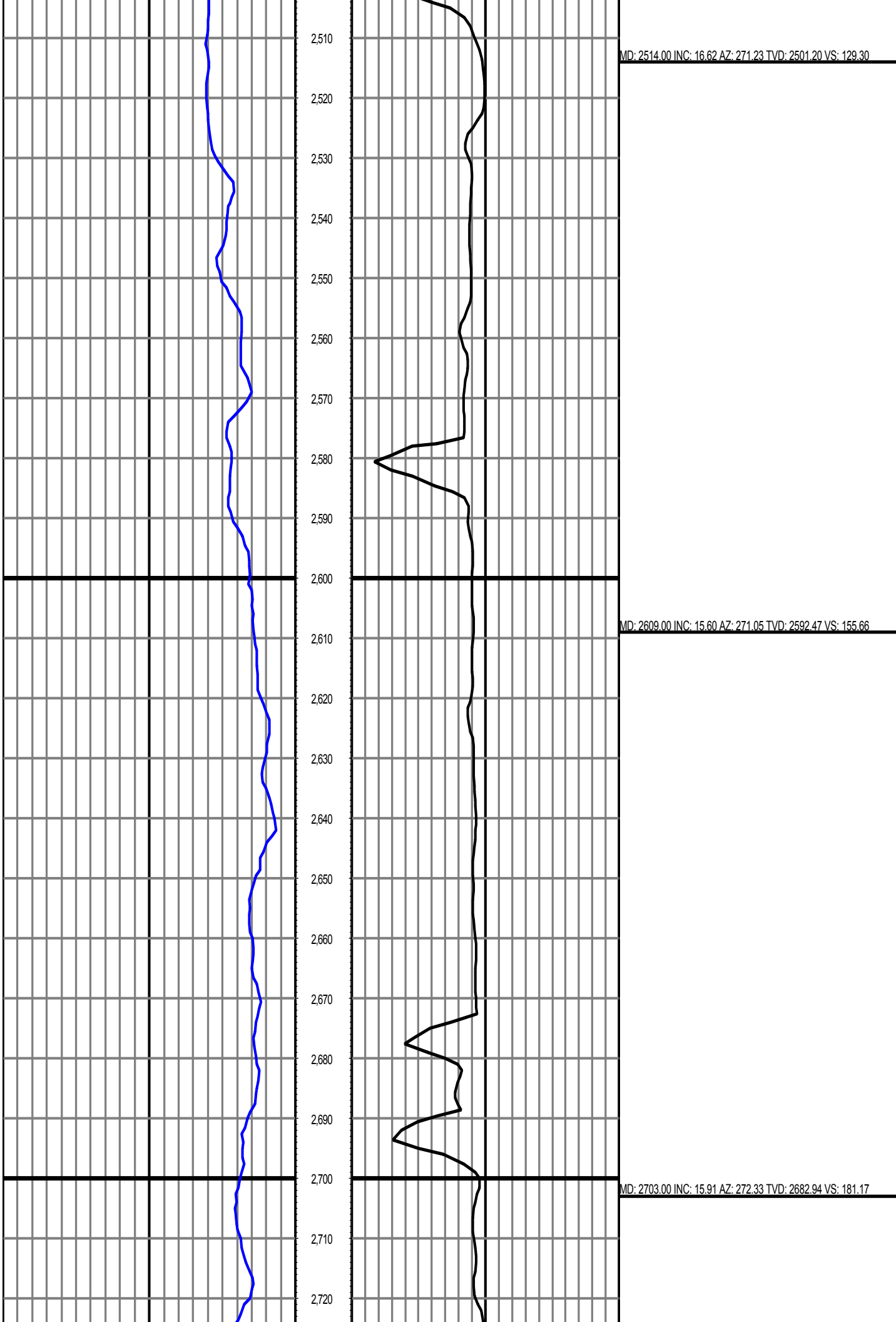
MD: 2040.00 INC: 7.51 AZ: 284.45 TVD: 2038.11 VS: 31.27

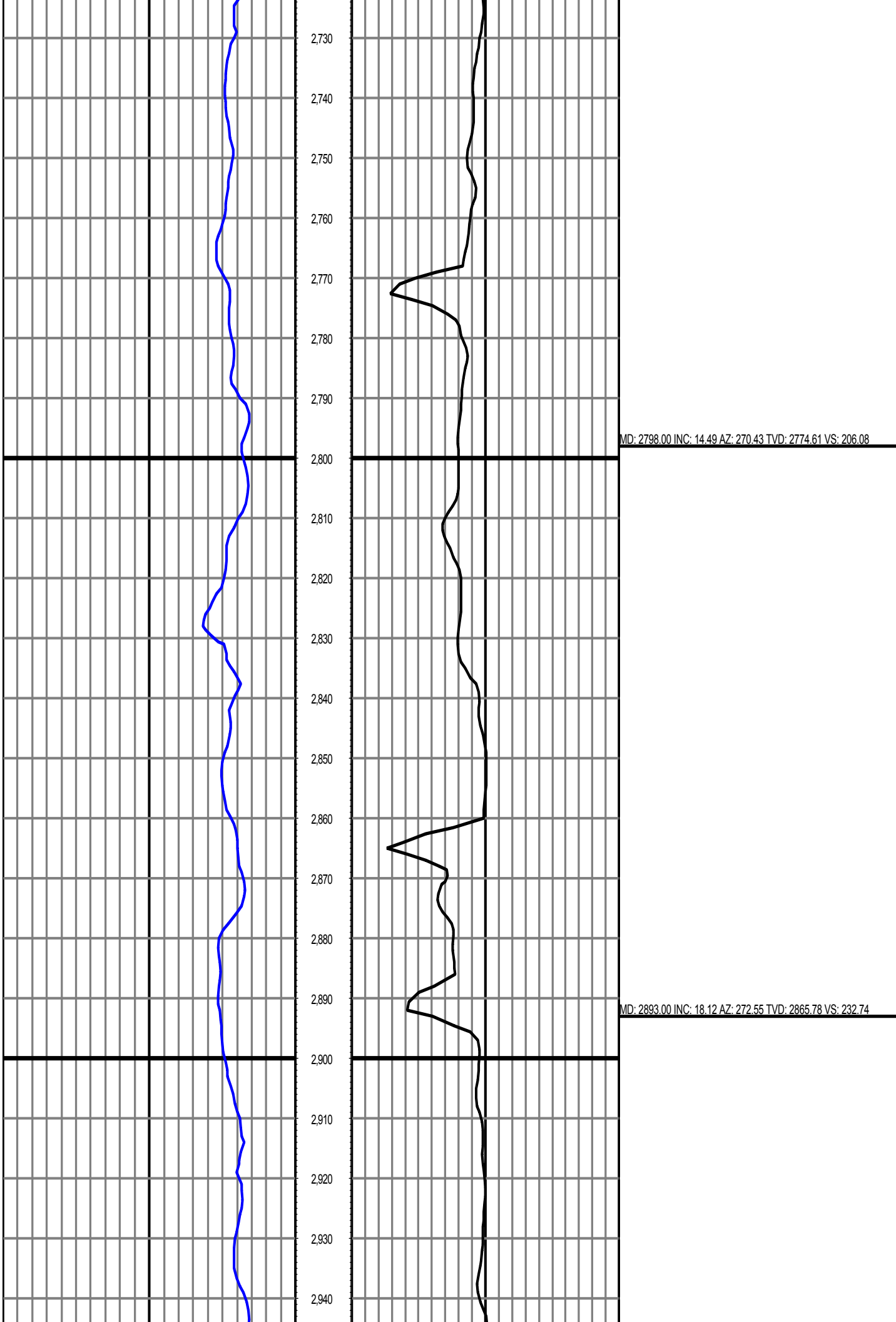


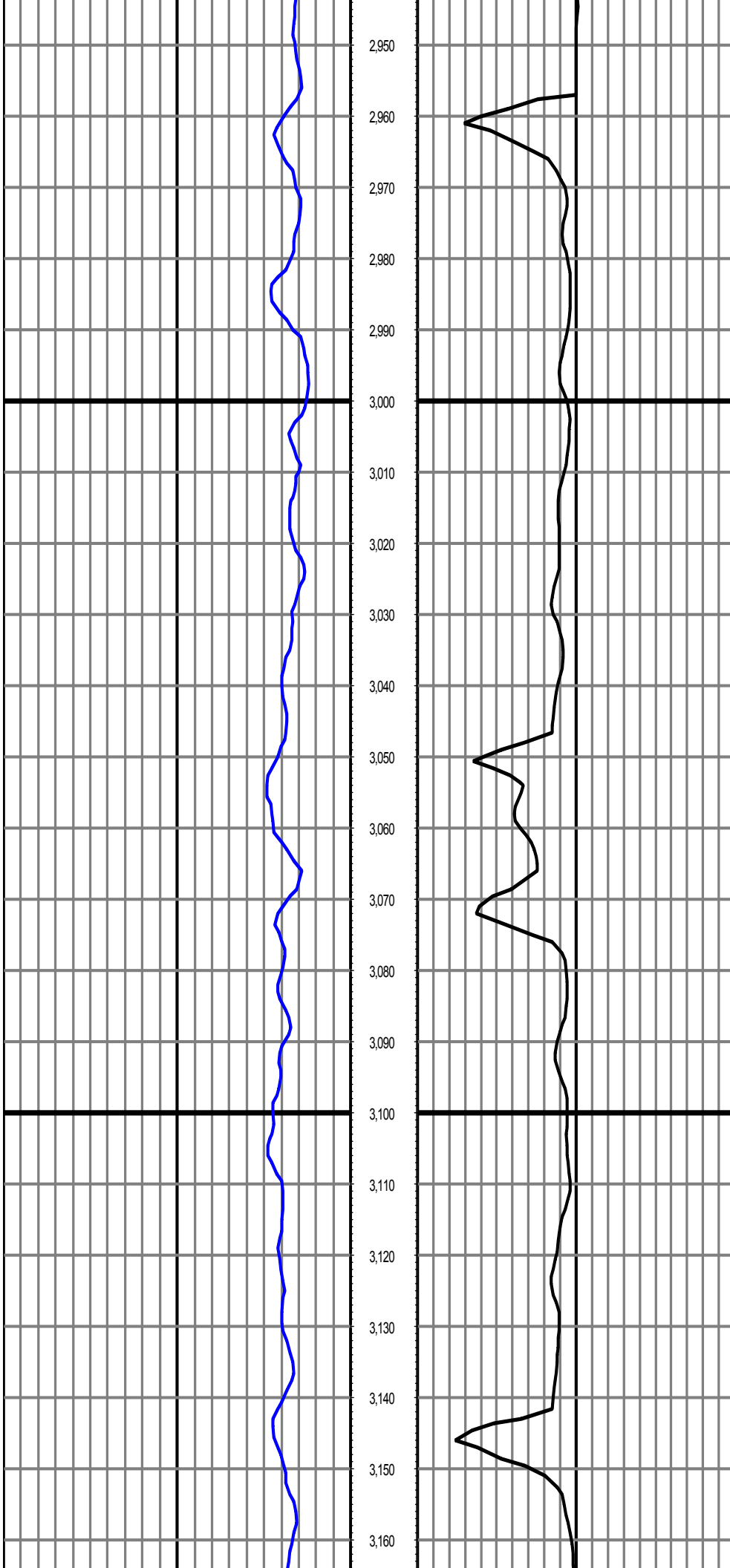
MD: 2230.00 INC: 11.80 AZ: 283.83 TVD: 2225.37 VS: 62.29



MD: 2419.00 INC: 14.10 AZ: 269.42 TVD: 2409.60 VS: 104.15

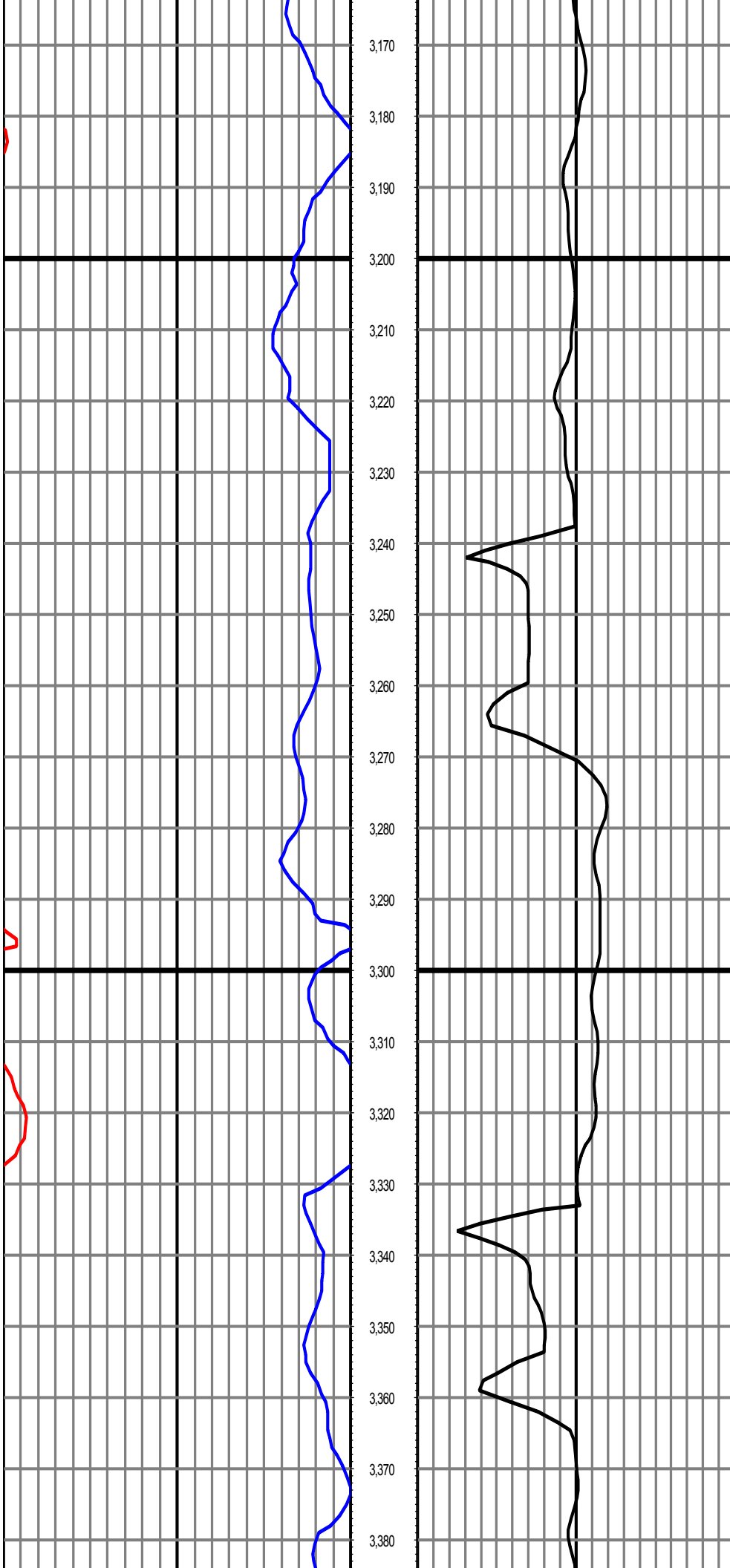






MD: 2987.00 INC: 15.69 AZ: 272.46 TVD: 2955.71 VS: 260.06

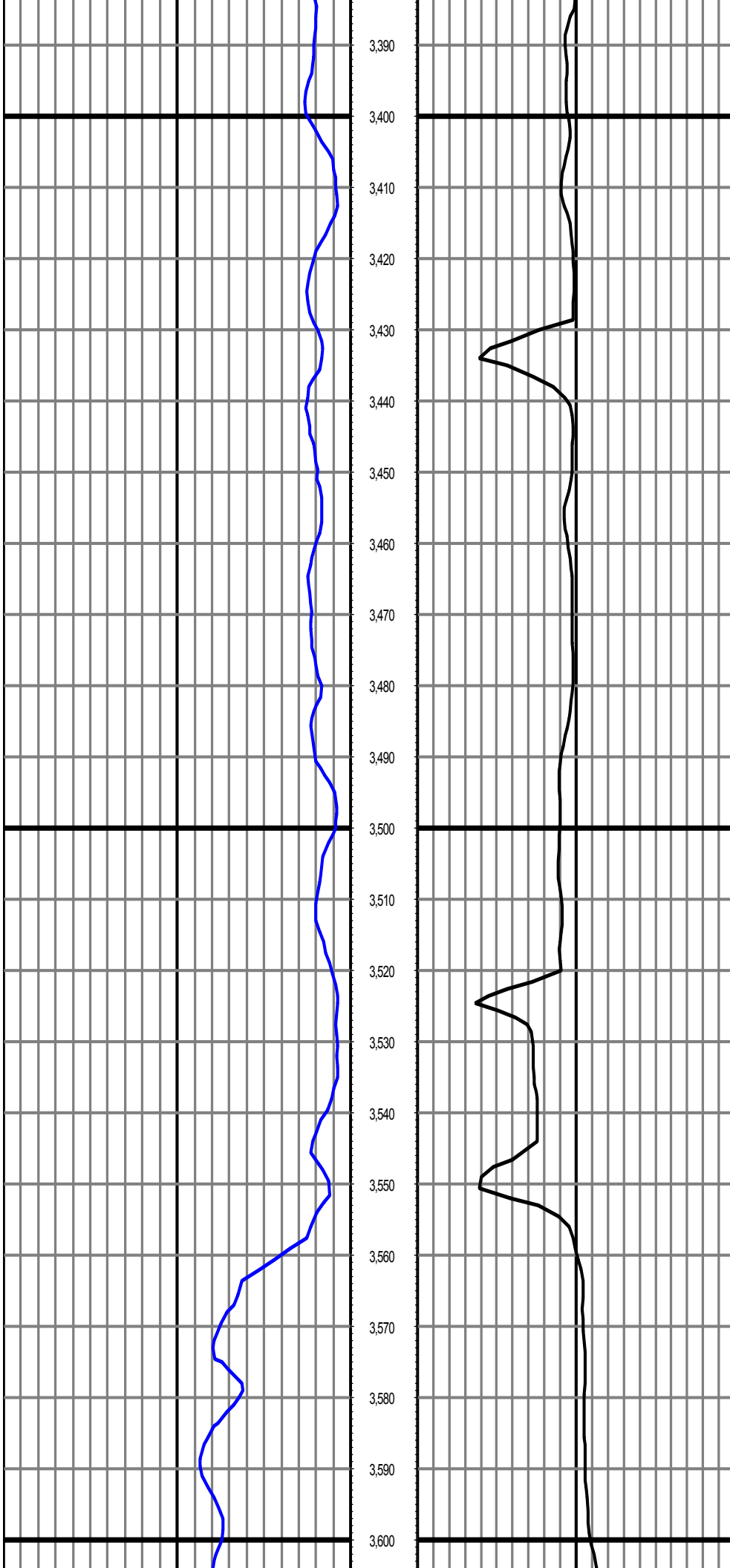
MD: 3082.00 INC: 16.39 AZ: 278.94 TVD: 3047.02 VS: 286.18



MD: 3176.00 INC: 14.18 AZ: 280.35 TVD: 3137.69 VS: 310.66

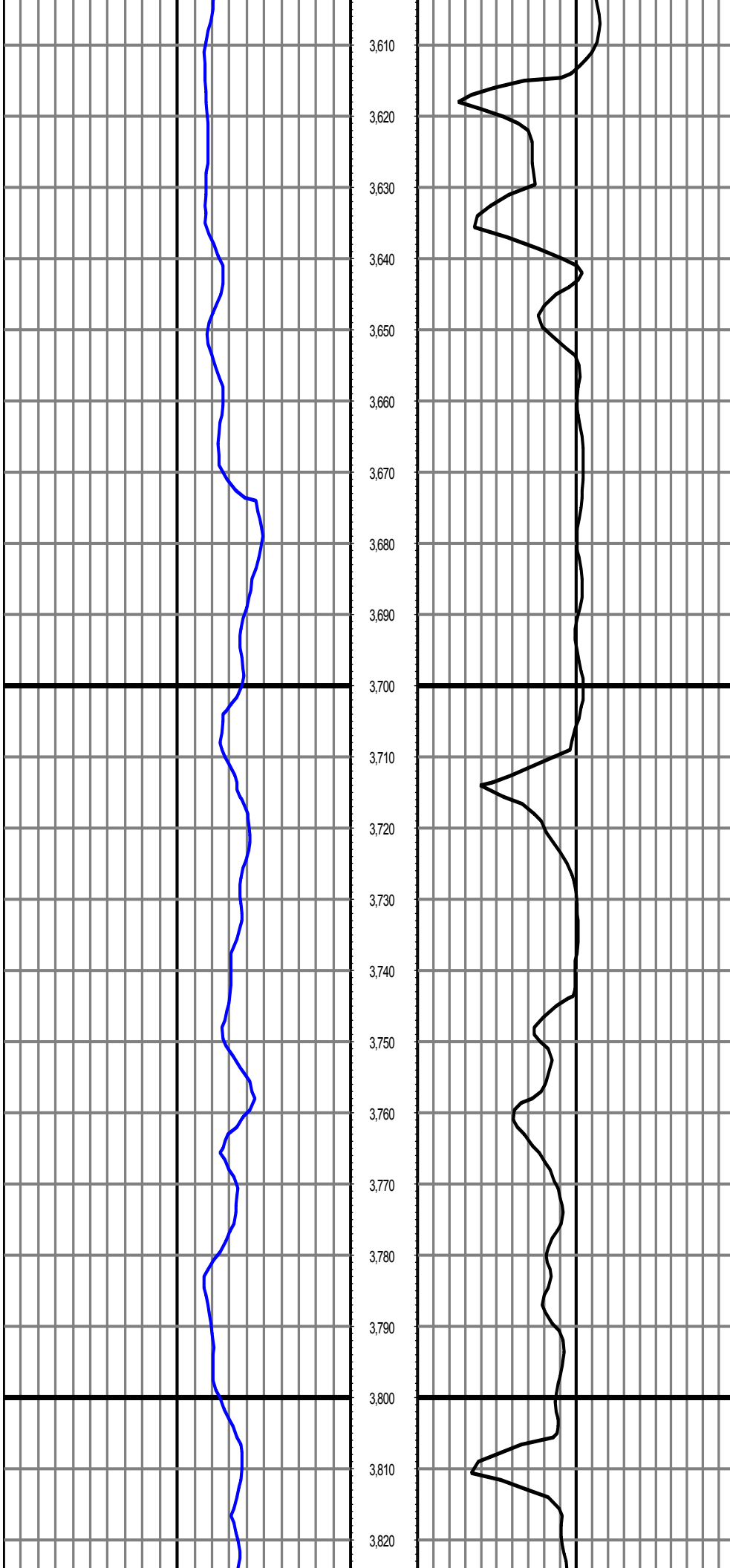
MD: 3271.00 INC: 15.82 AZ: 275.06 TVD: 3229.45 VS: 335.06

MD: 3365.00 INC: 16.88 AZ: 270.04 TVD: 3319.65 VS: 361.48

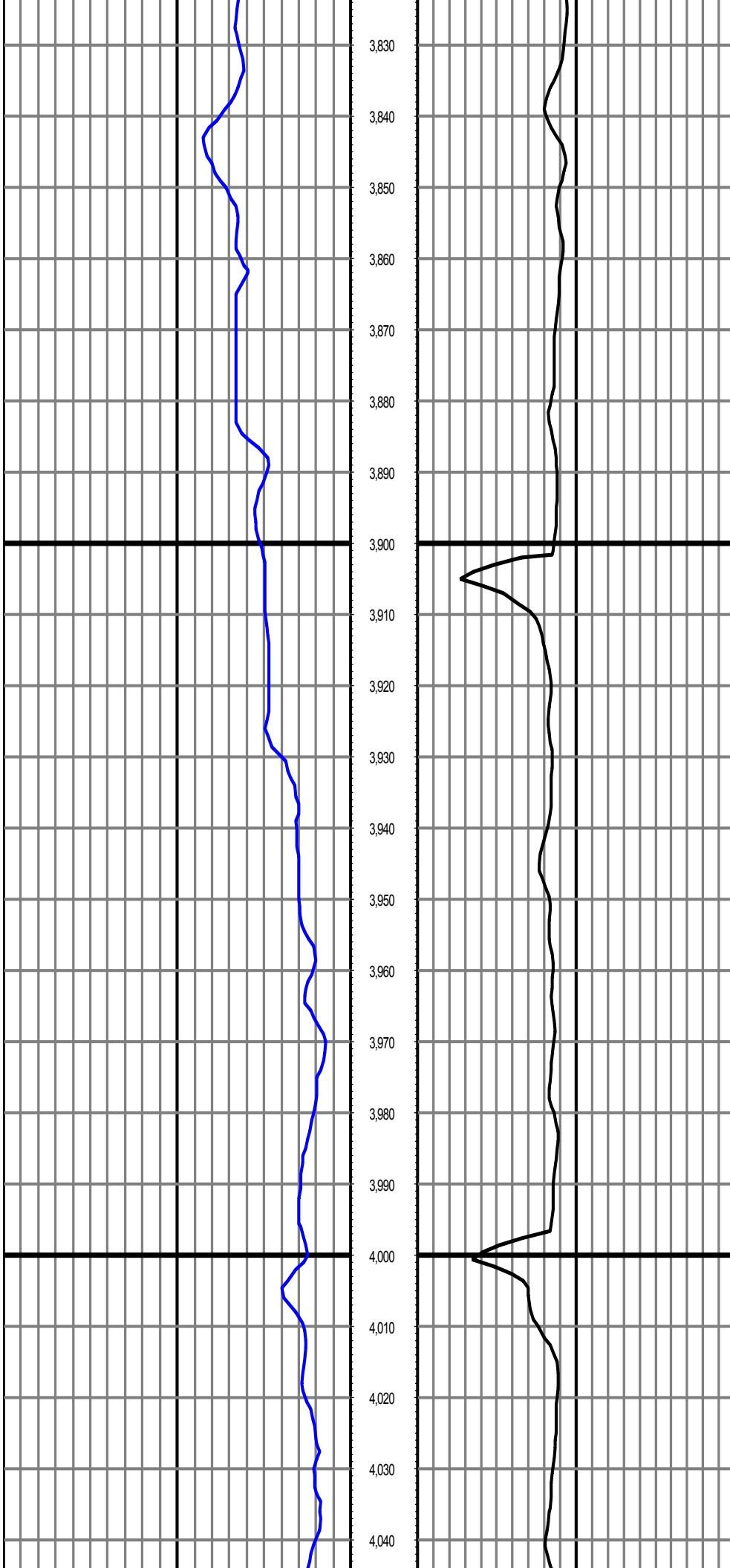


MD: 3459.00 INC: 14.41 AZ: 269.55 TVD: 3410.16 VS: 386.83

MD: 3554.00 INC: 16.39 AZ: 275.32 TVD: 3501.75 VS: 412.01

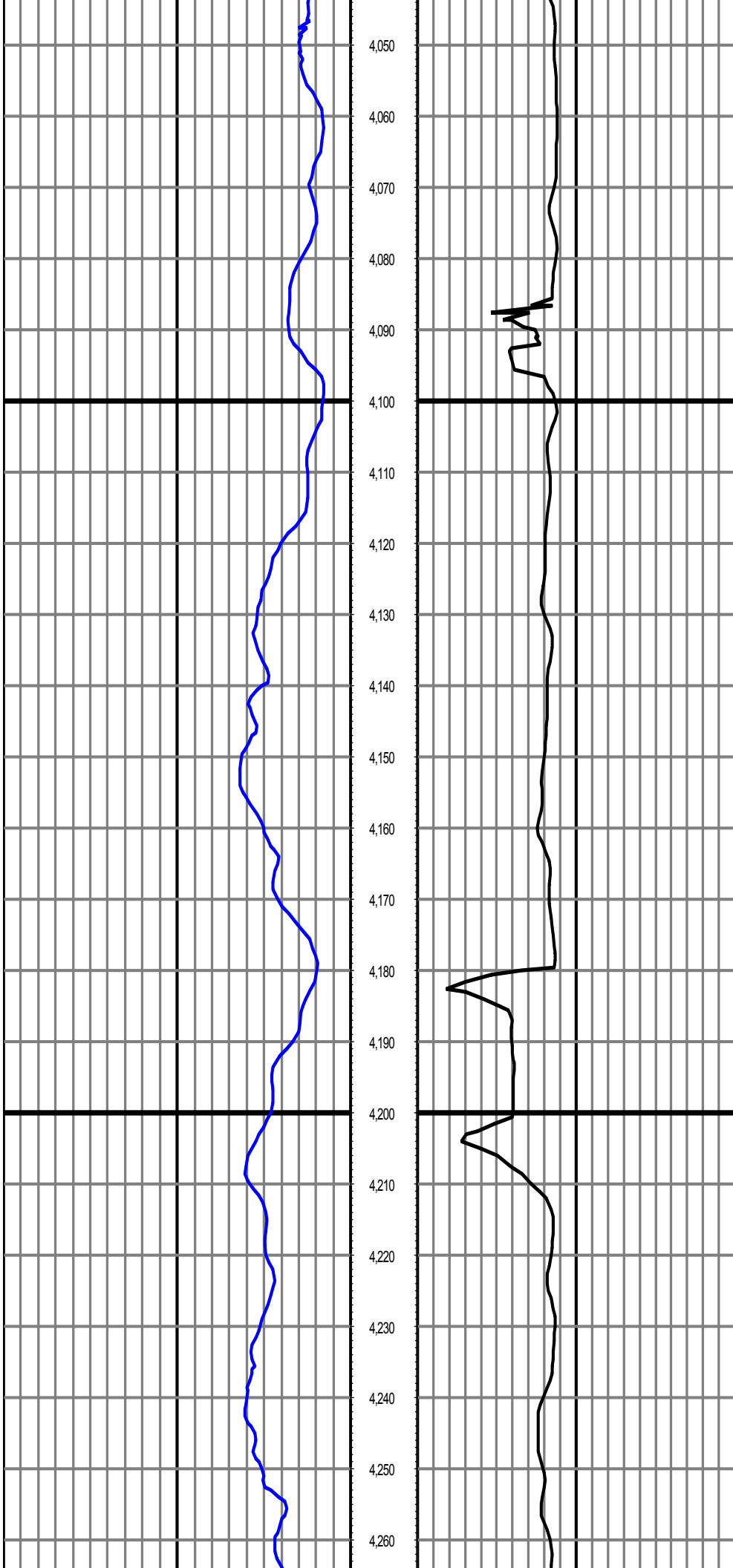


MD: 3648.00 INC: 18.69 AZ: 277.22 TVD: 3591.38 VS: 440.20



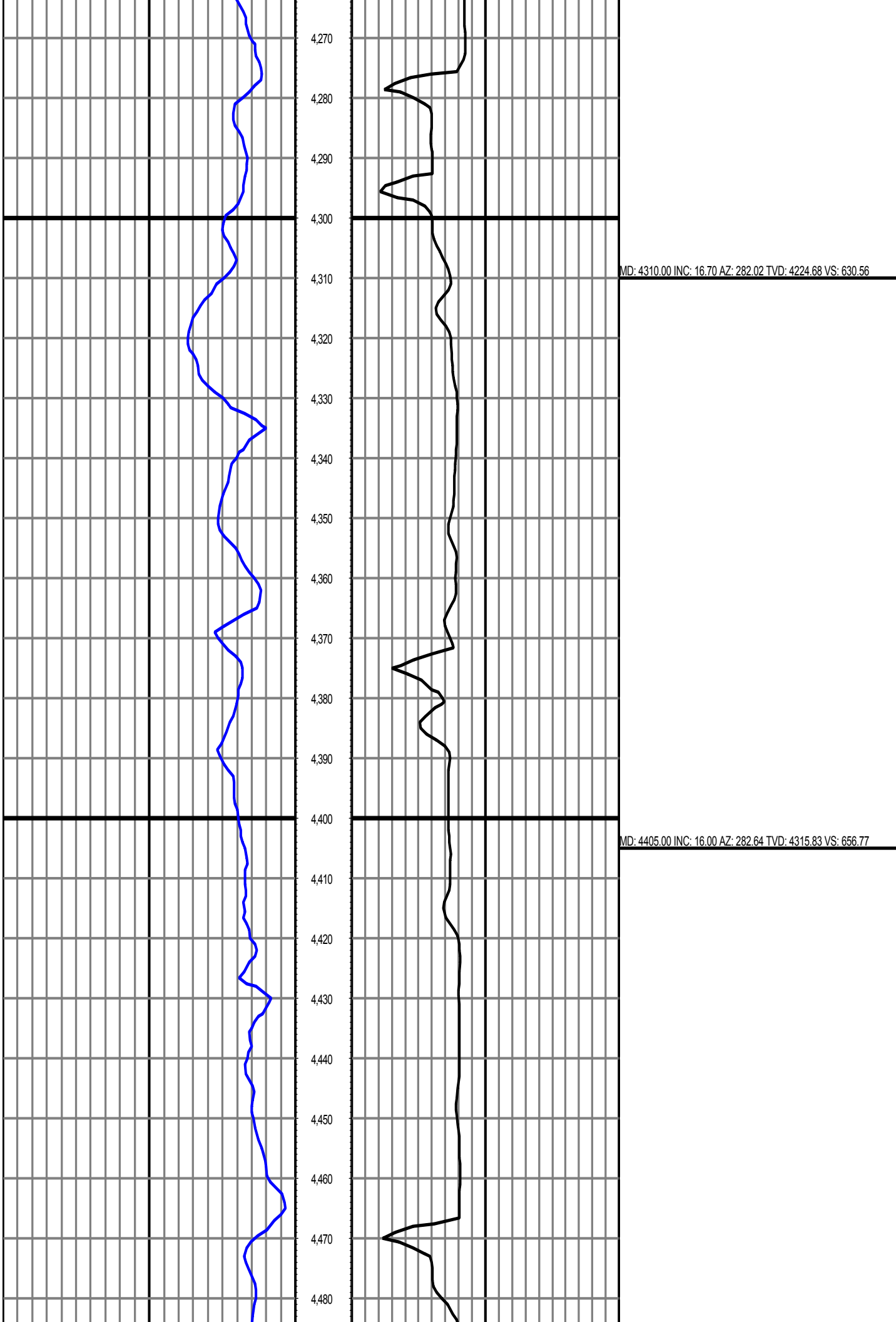
MD: 3837.00 INC: 18.60 AZ: 278.94 TVD: 3770.46 VS: 500.14

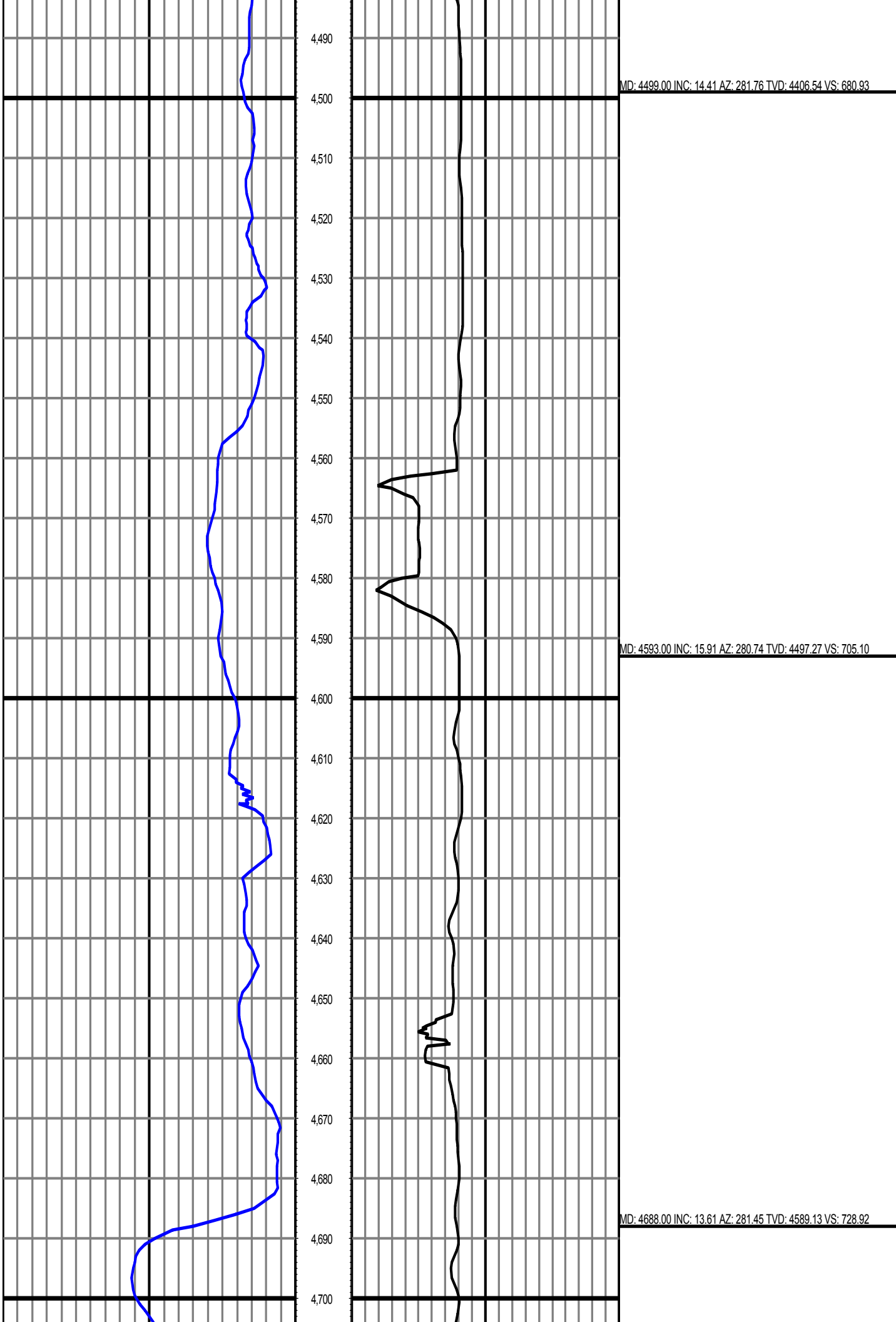
MD: 3932.00 INC: 17.72 AZ: 277.84 TVD: 3860.73 VS: 529.49

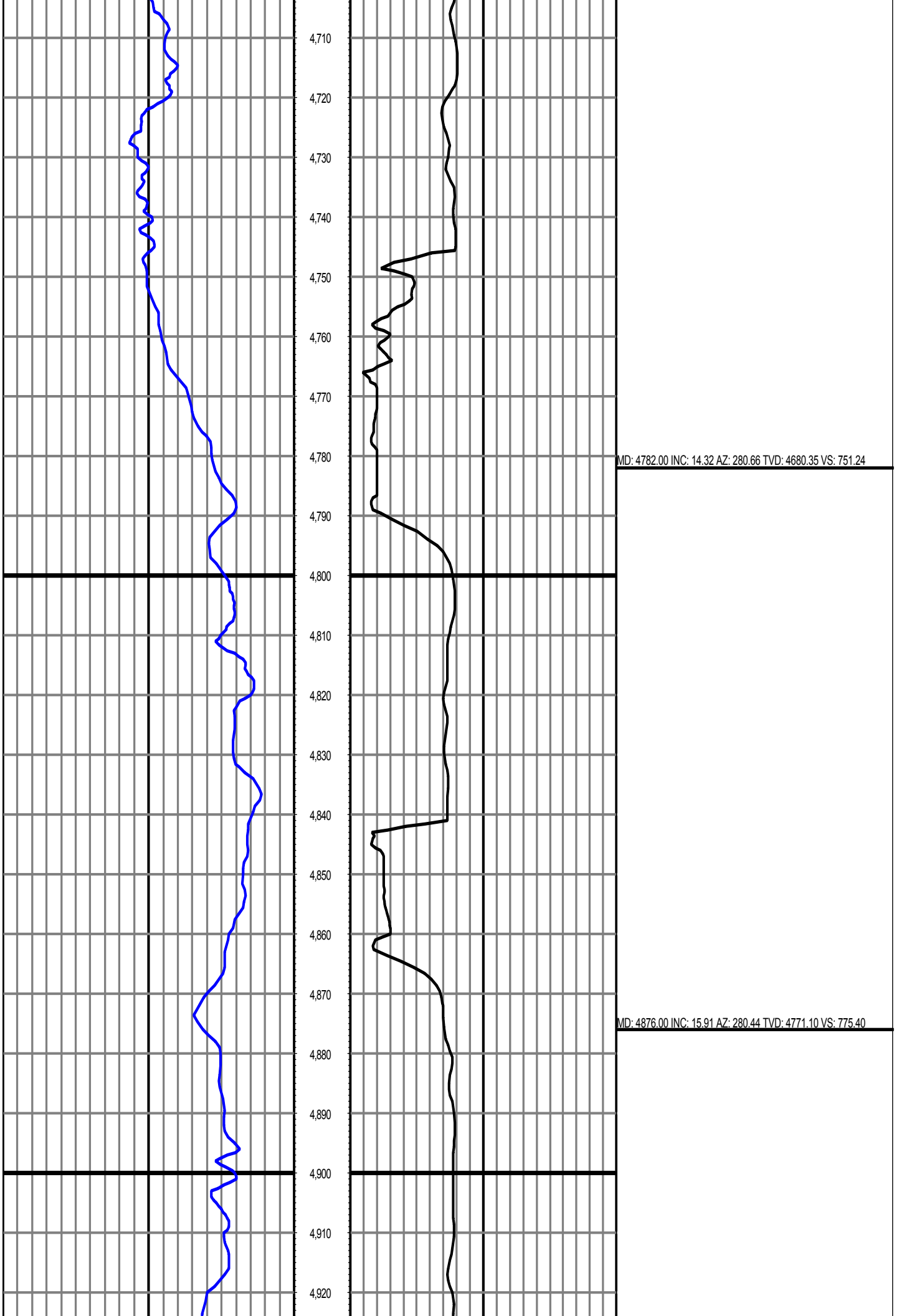


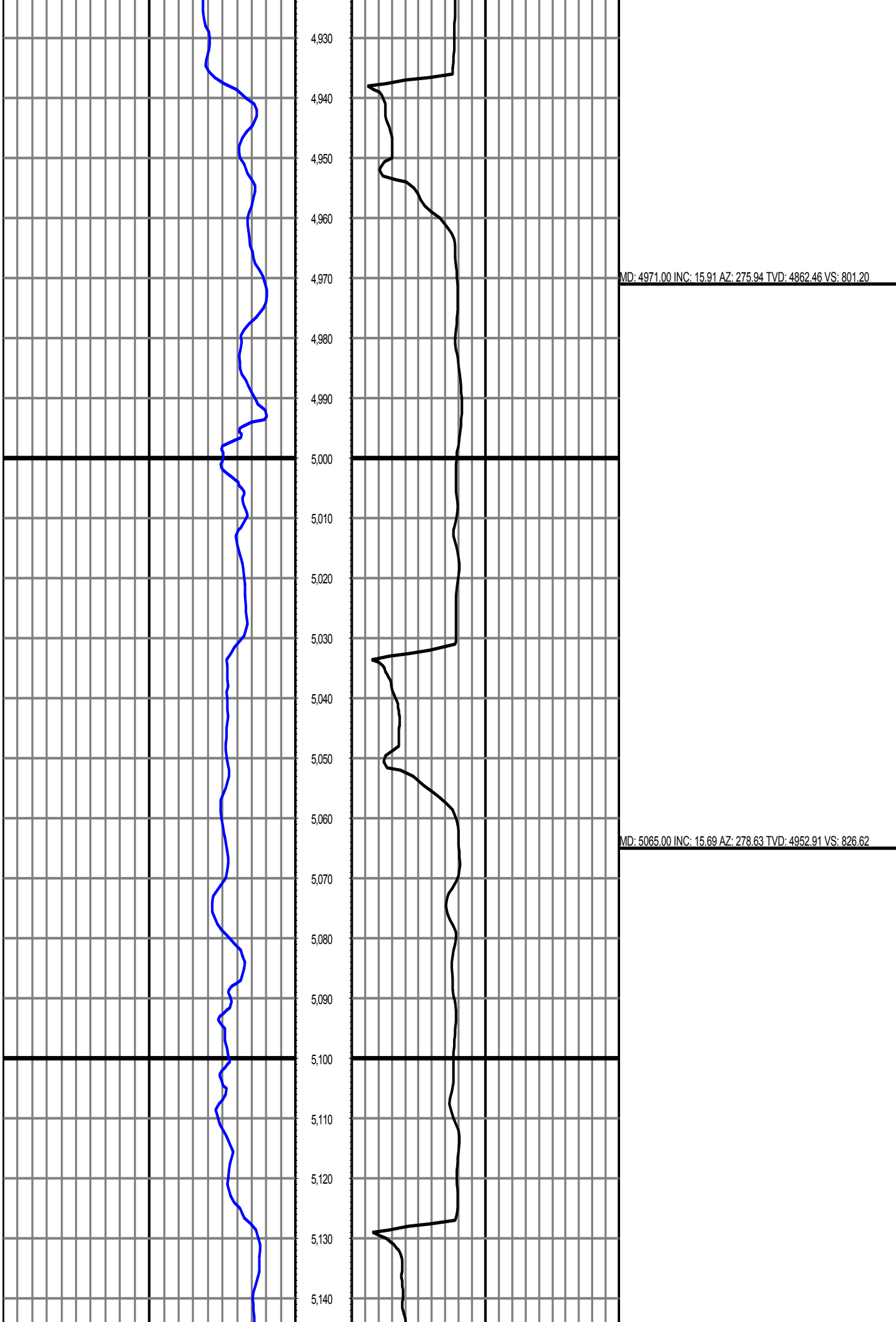
MD: 4121.00 INC: 14.10 AZ: 275.32 TVD: 4042.46 VS: 581.00

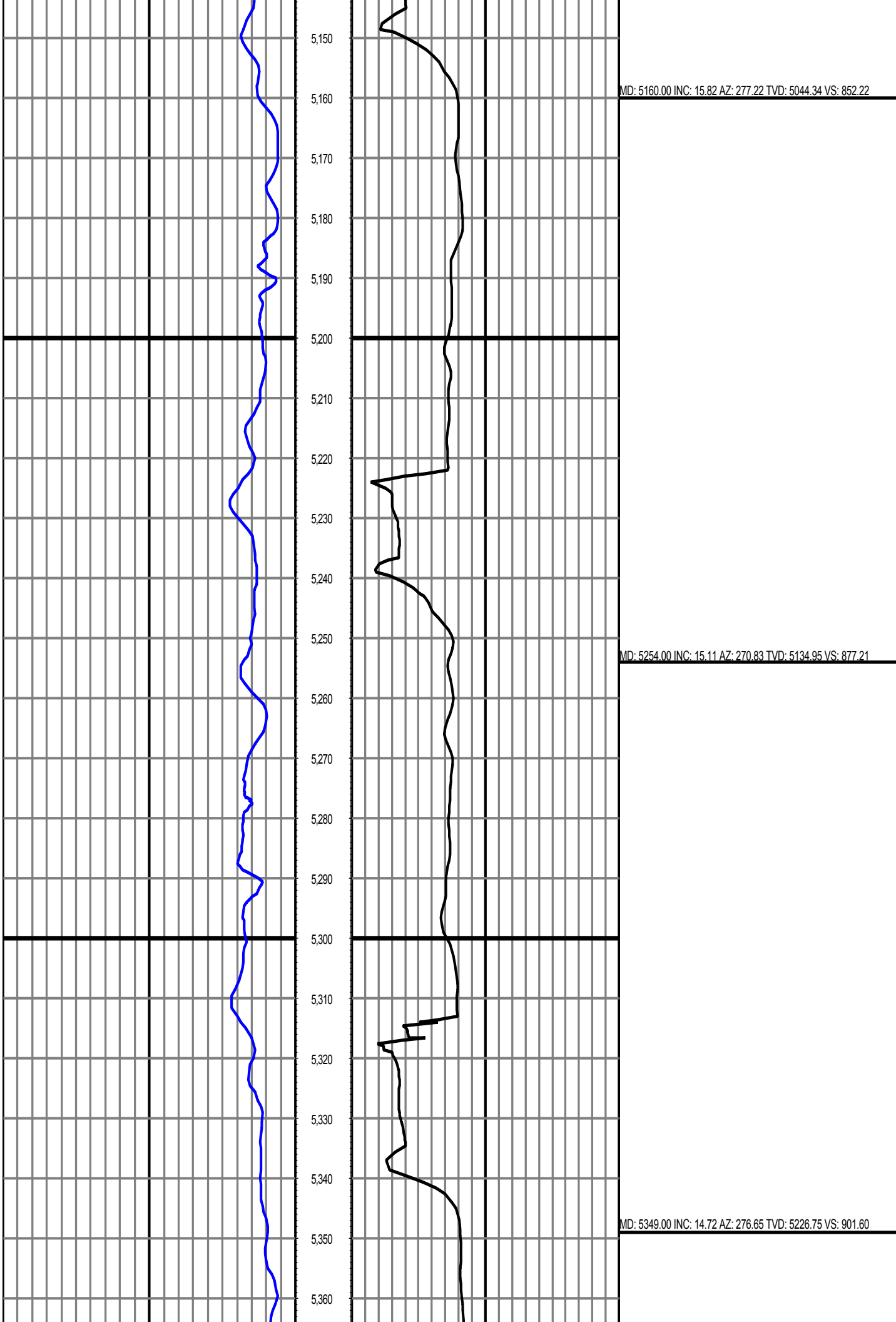
MD: 4216.00 INC: 15.38 AZ: 279.42 TVD: 4134.34 VS: 604.99

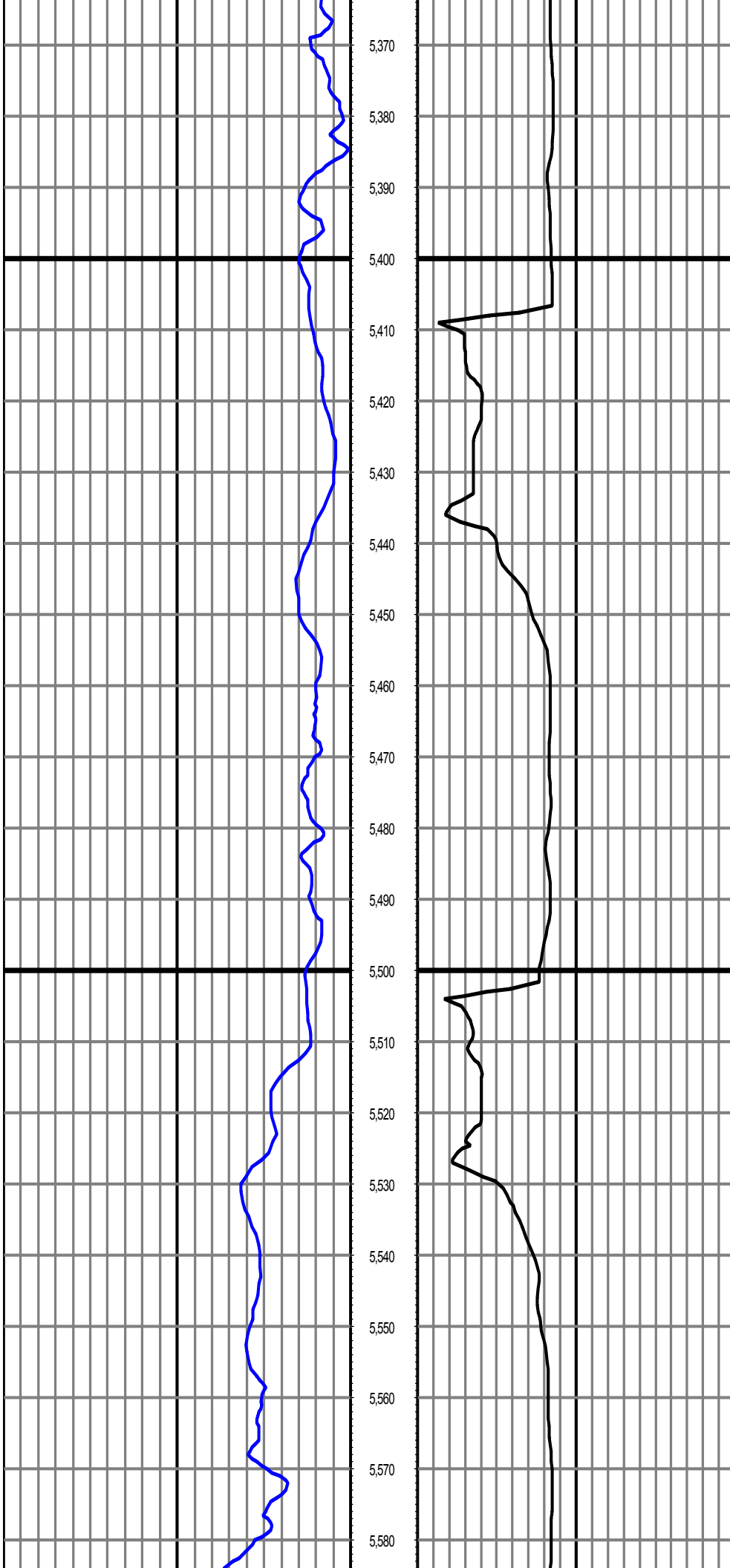






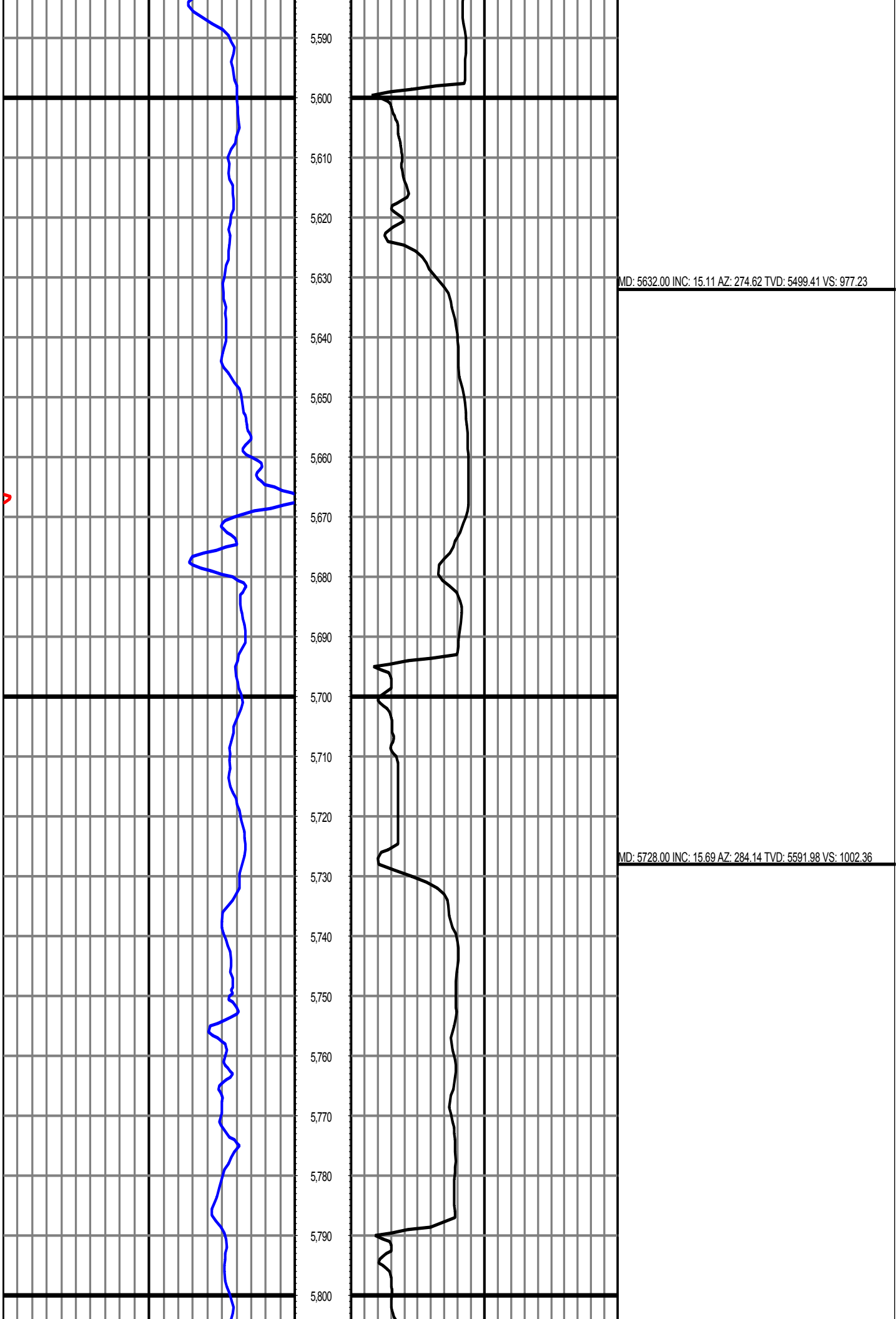


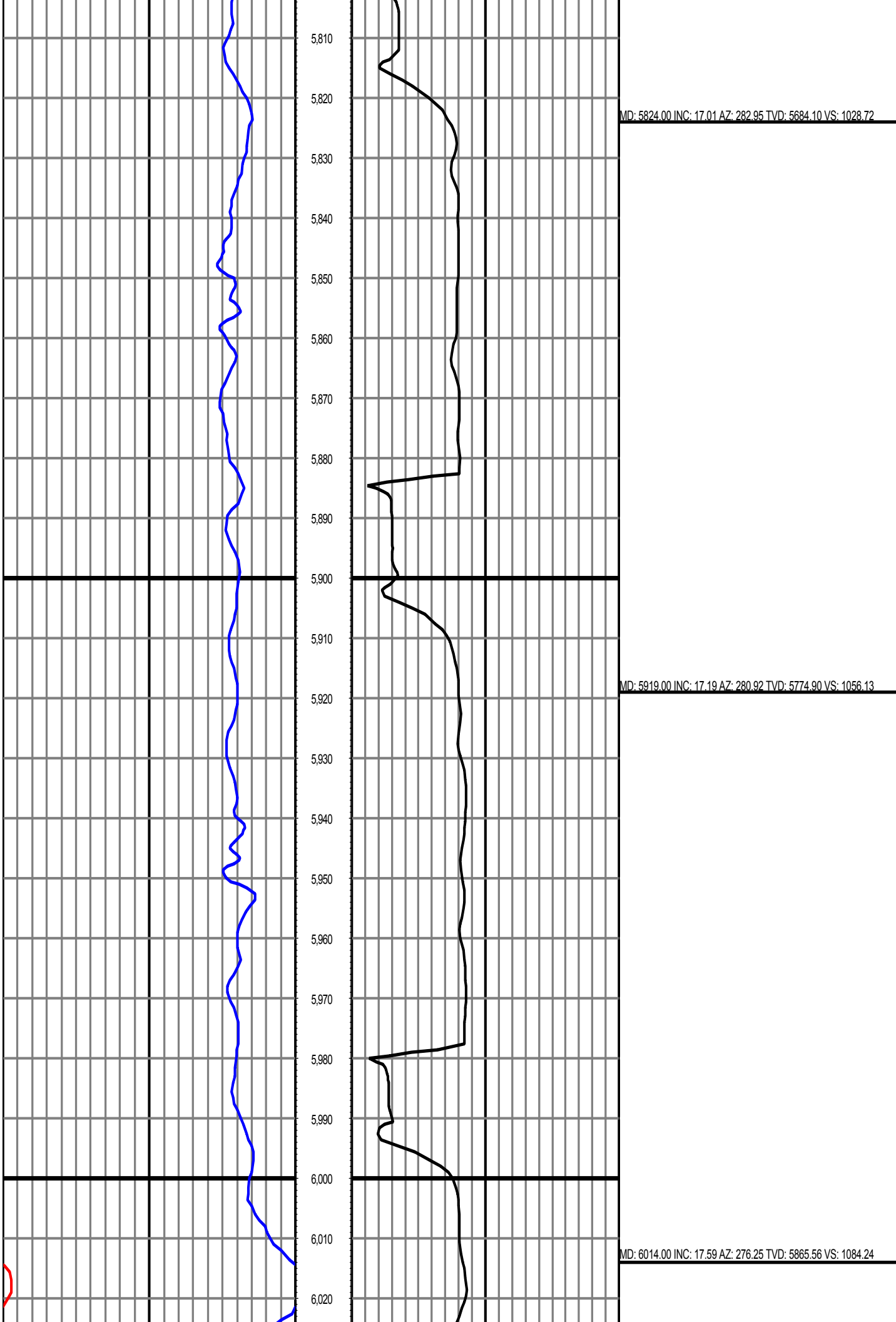


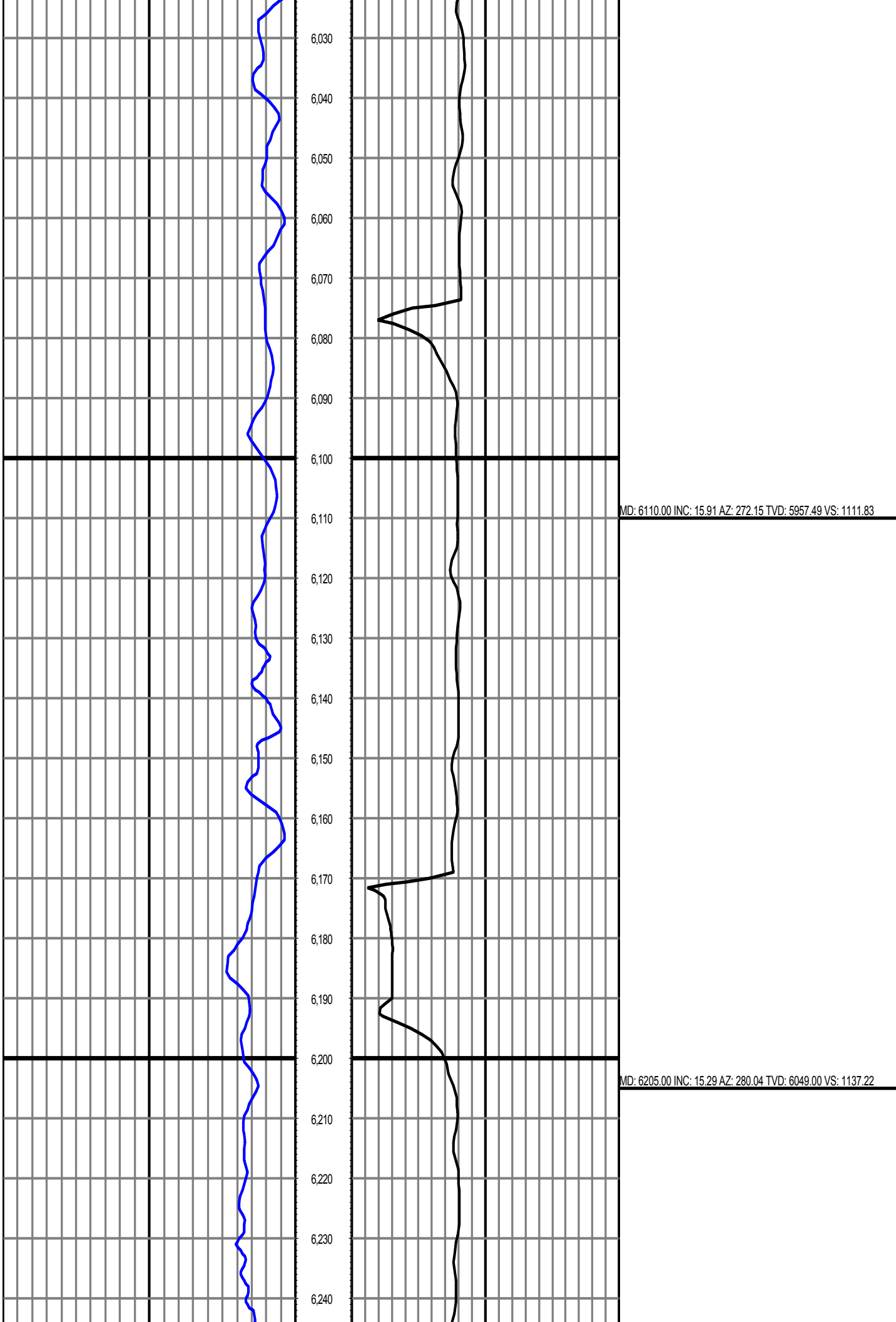


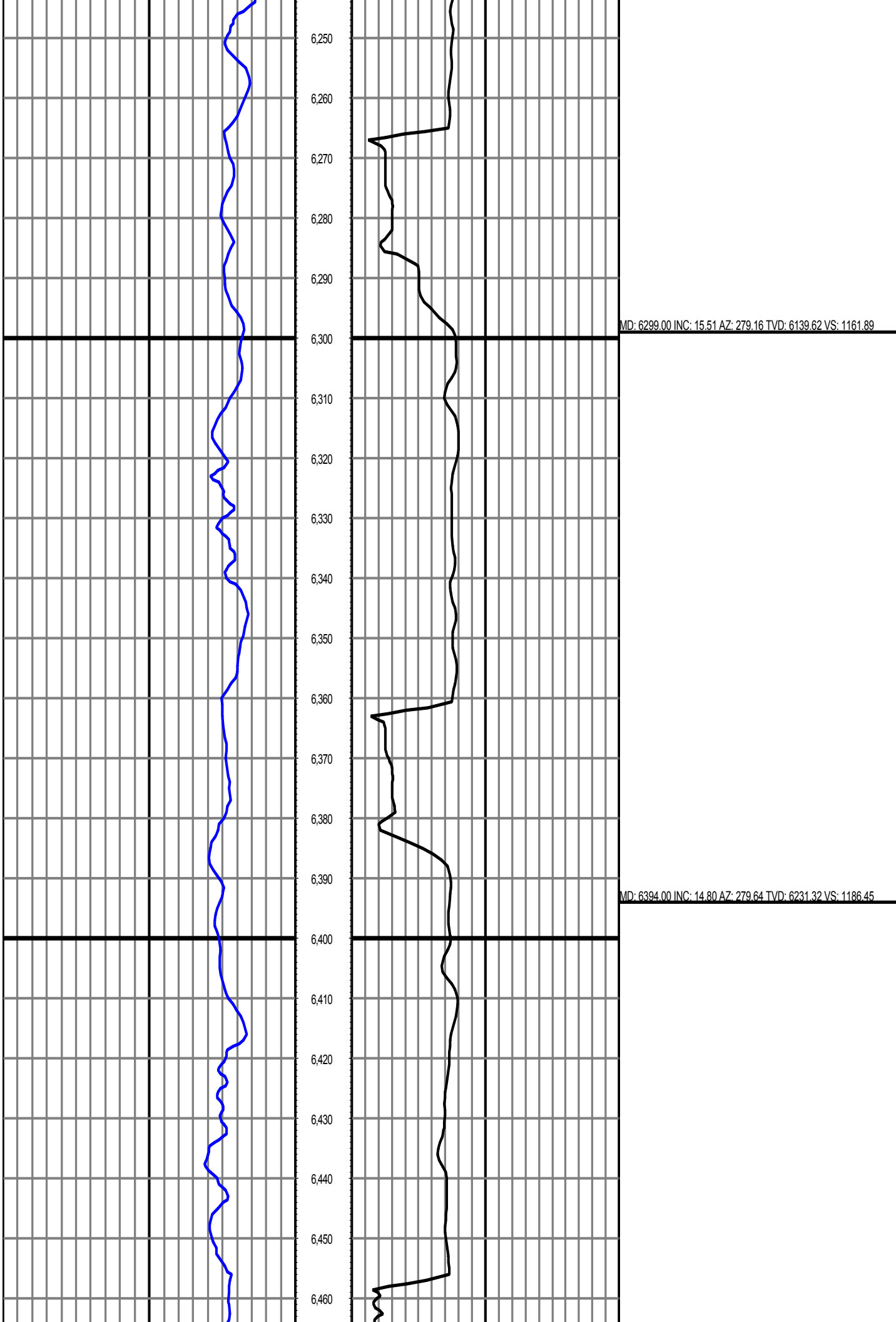
MD: 5443.00 INC: 15.60 AZ: 273.34 TVD: 5317.48 VS: 926.10

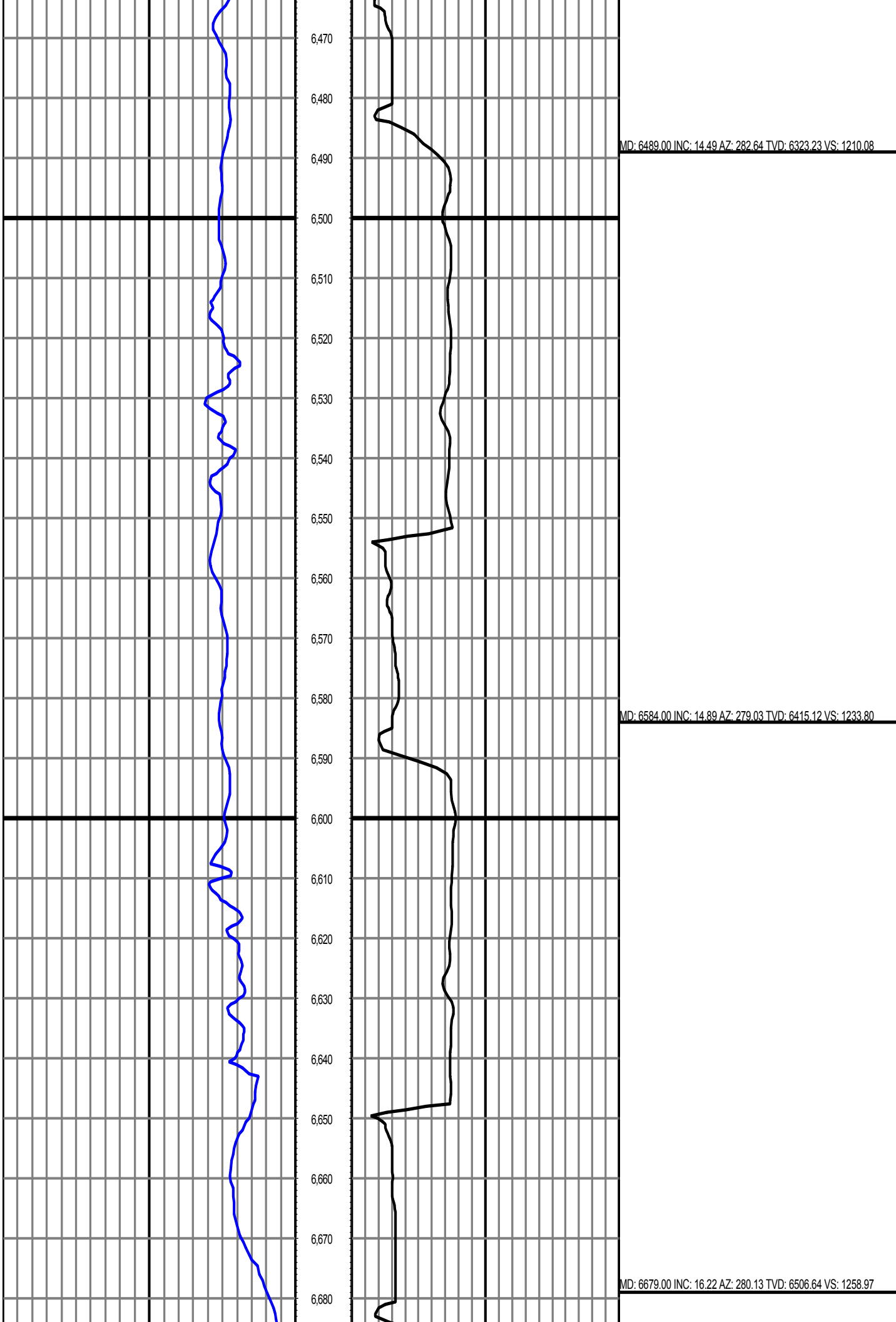
MD: 5537.00 INC: 16.08 AZ: 273.74 TVD: 5407.91 VS: 951.73

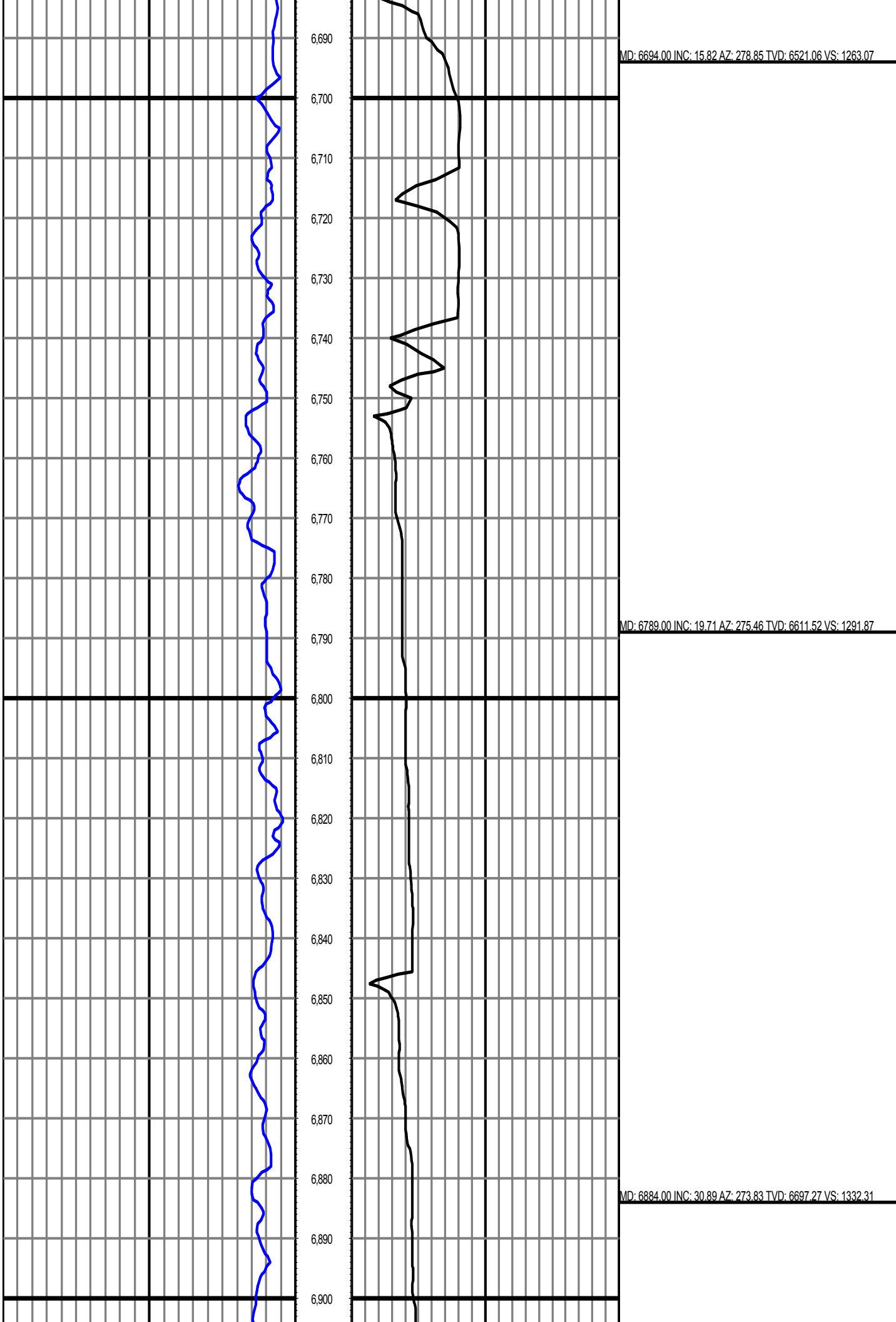


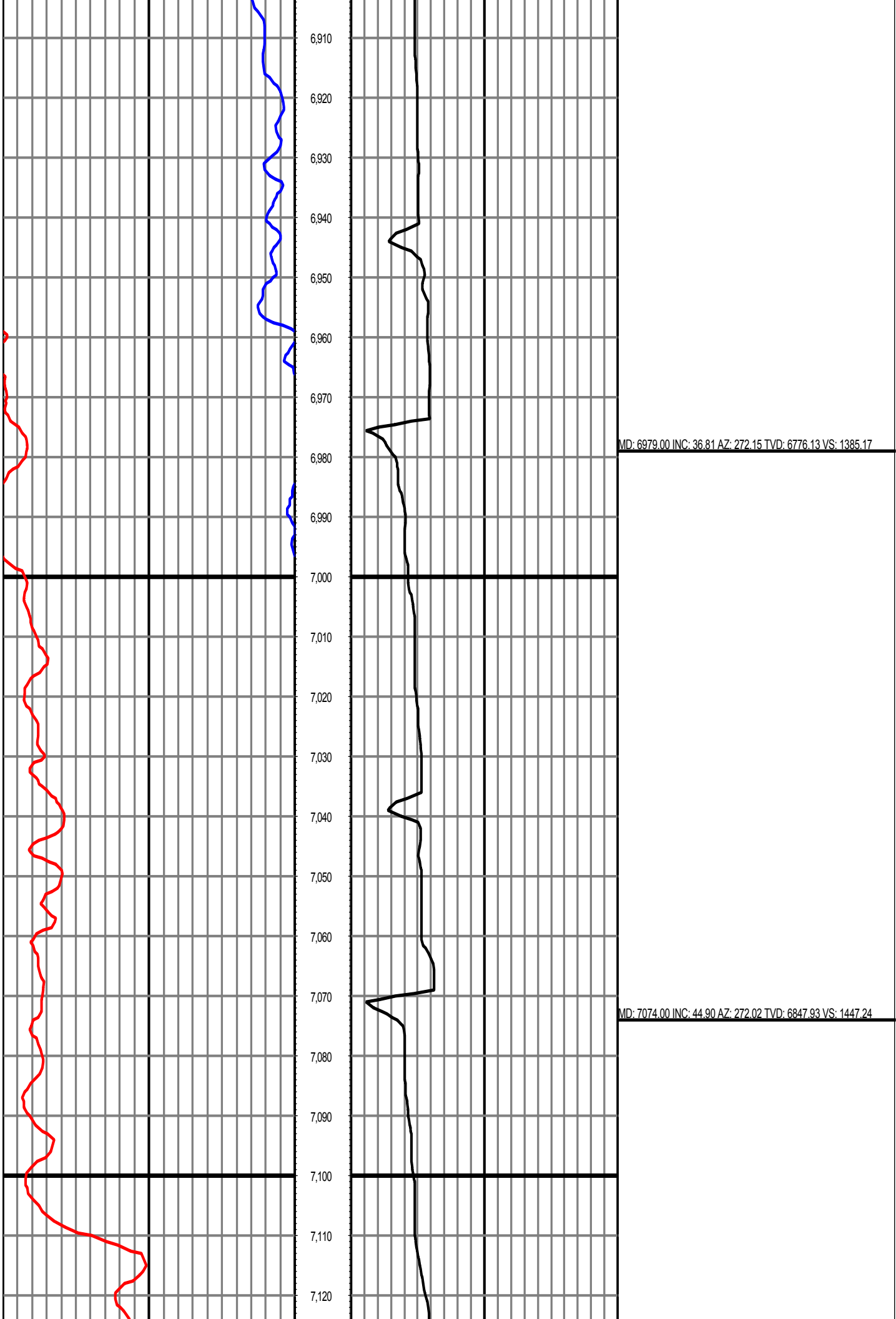


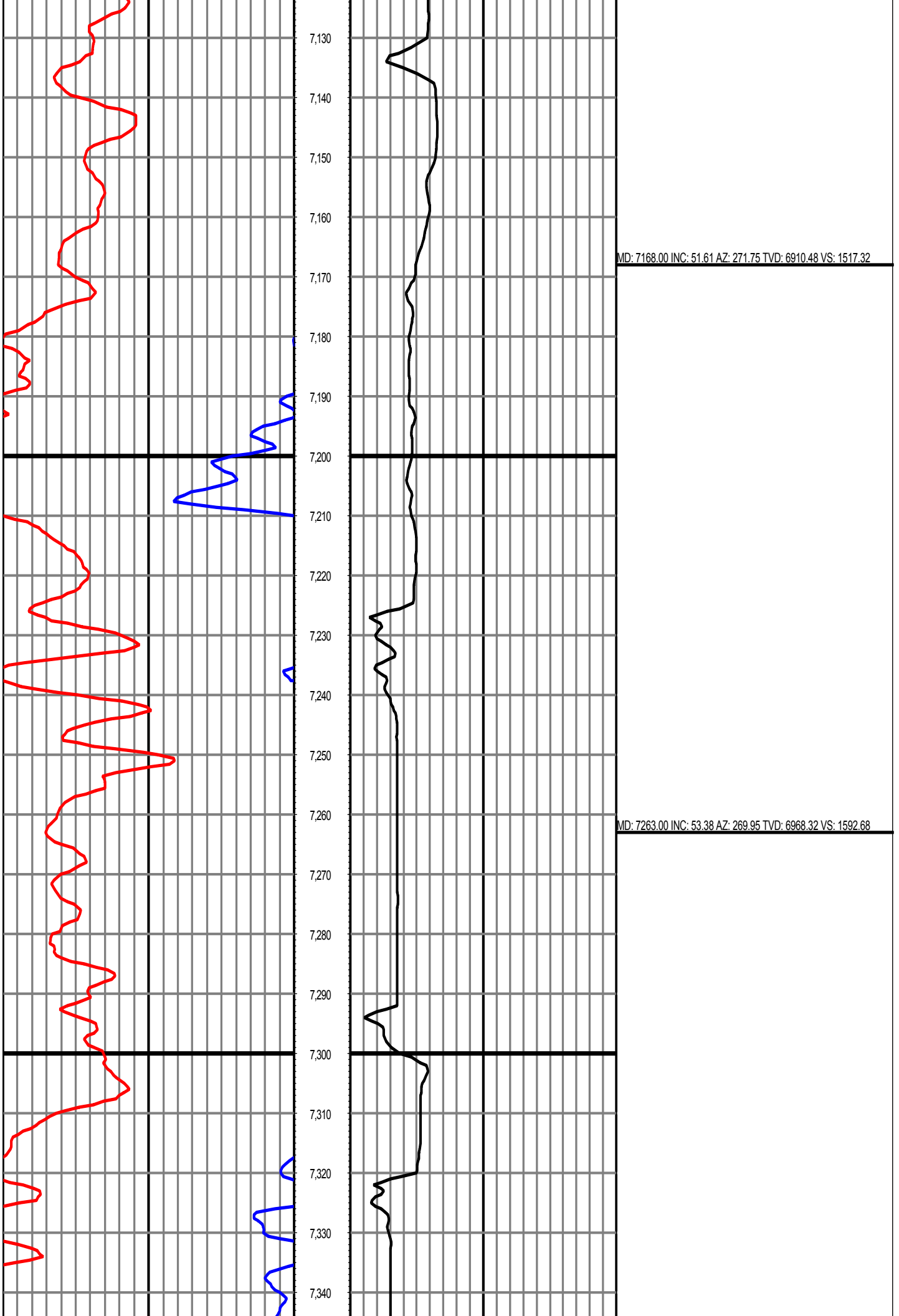


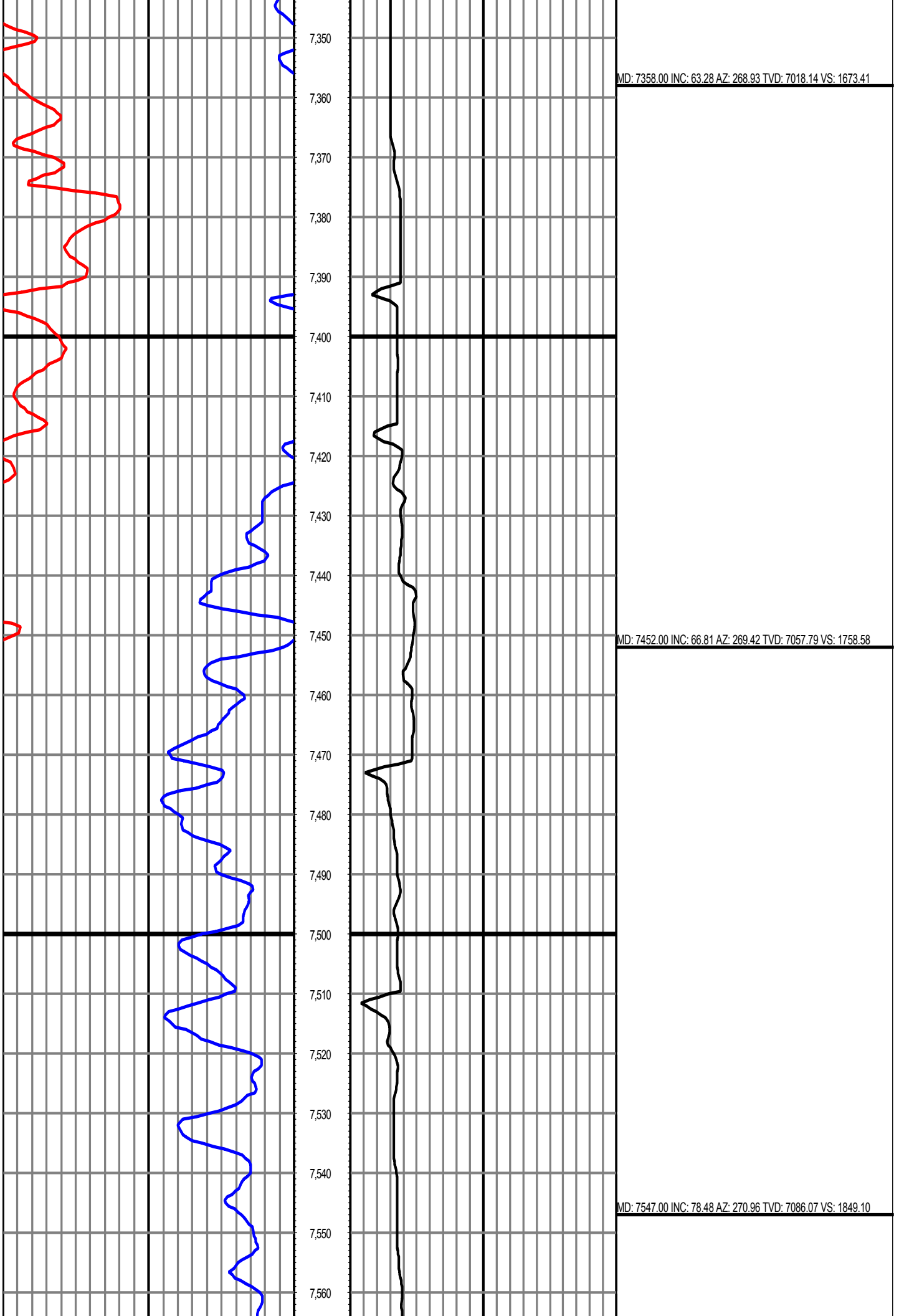


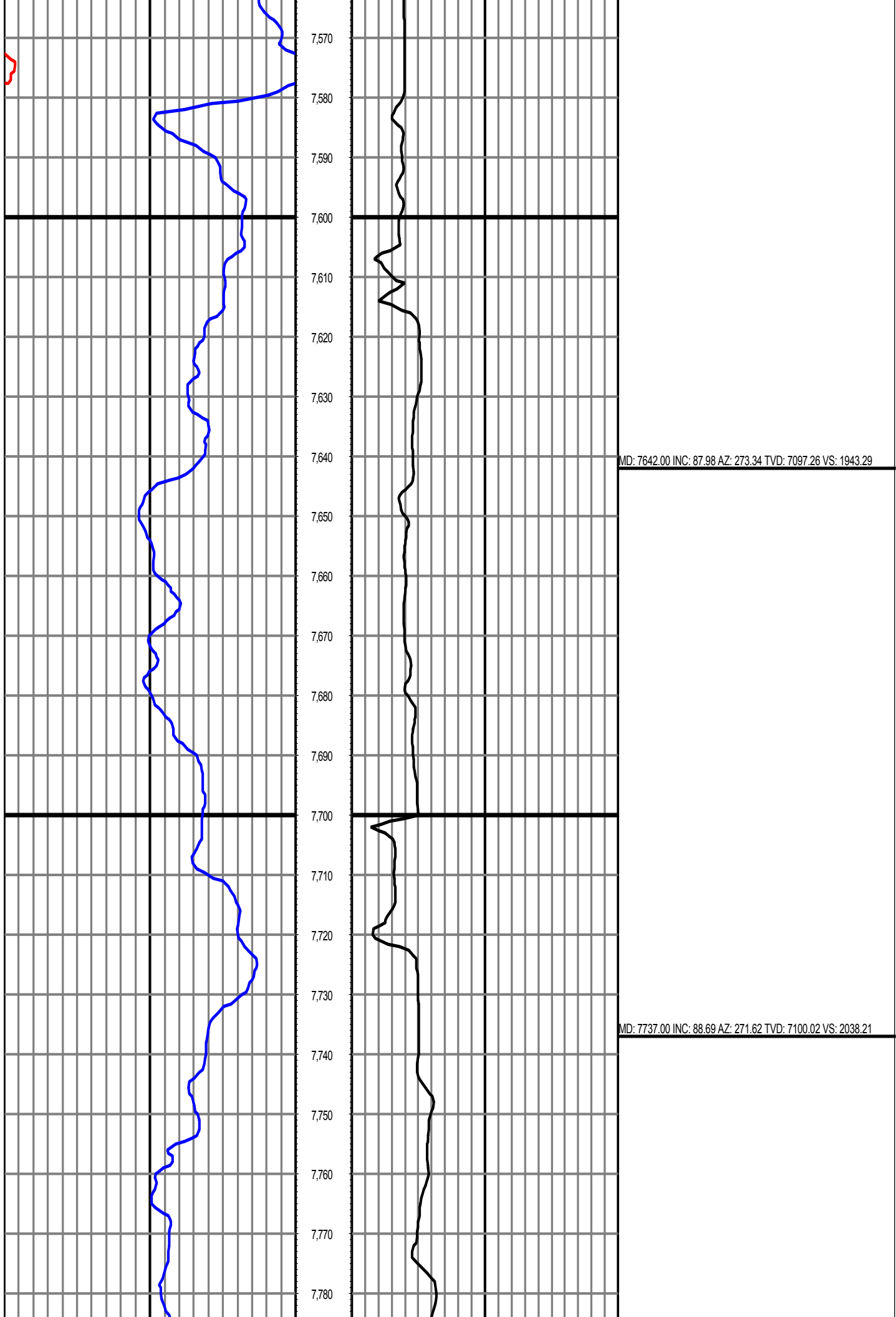


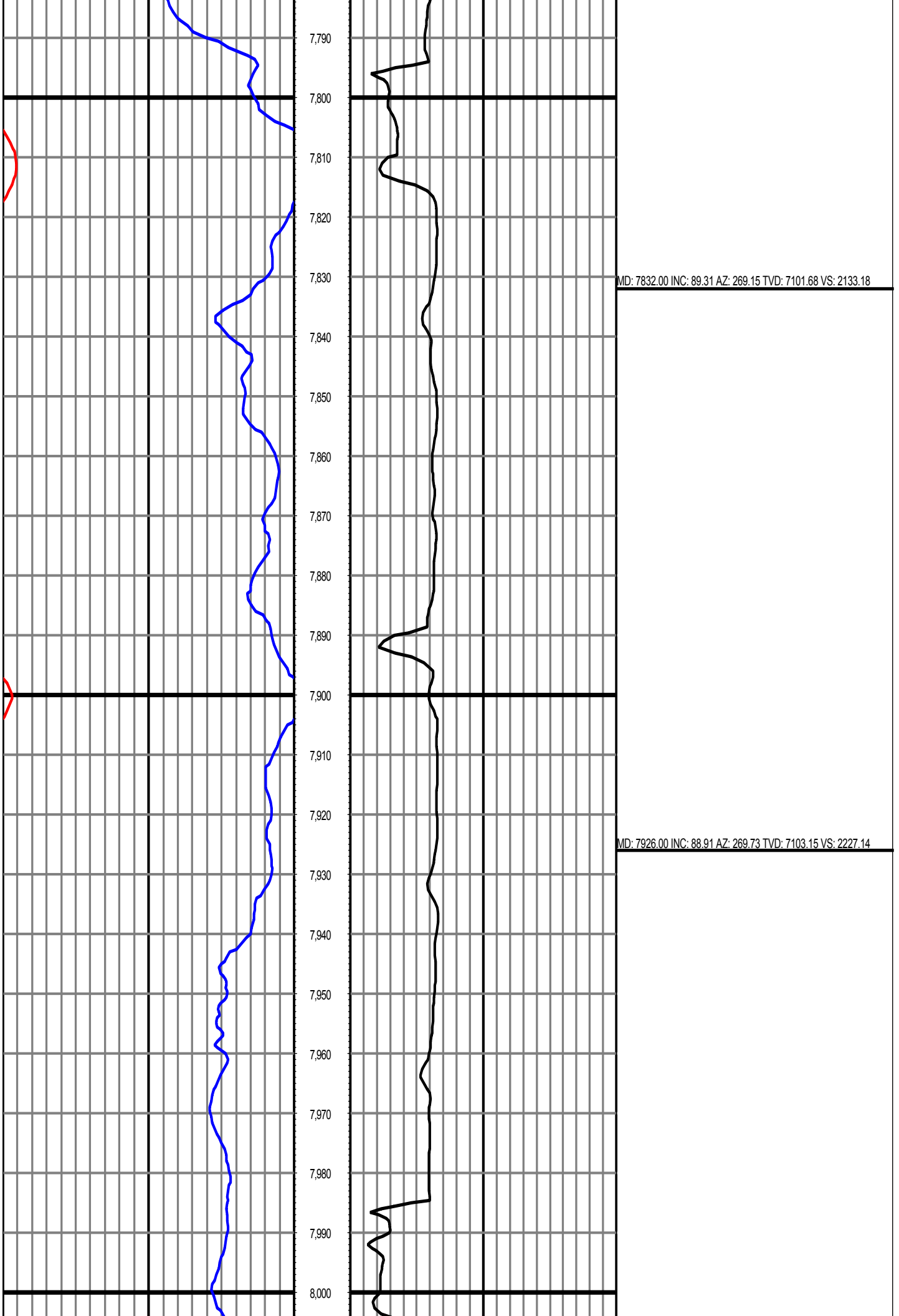


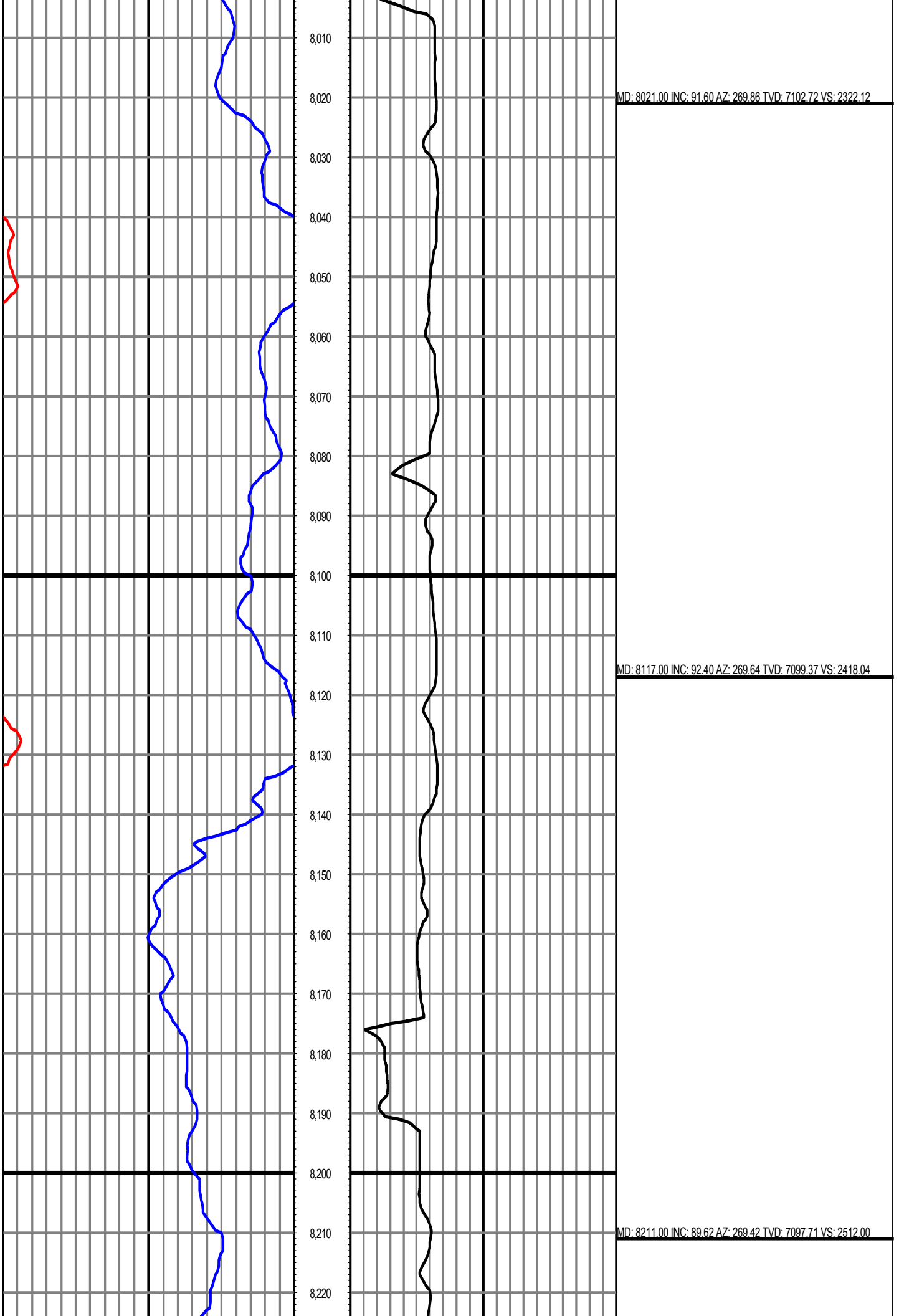


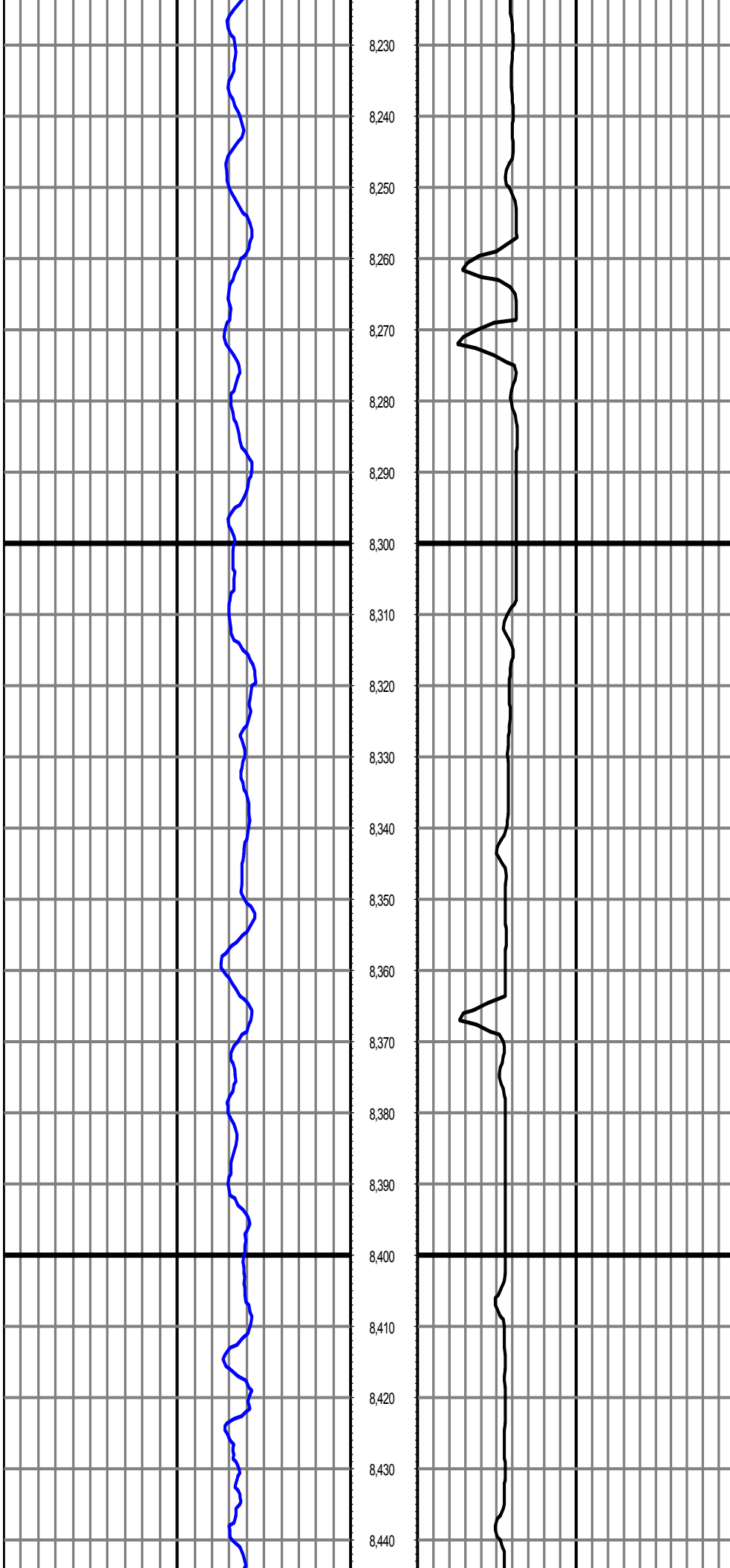






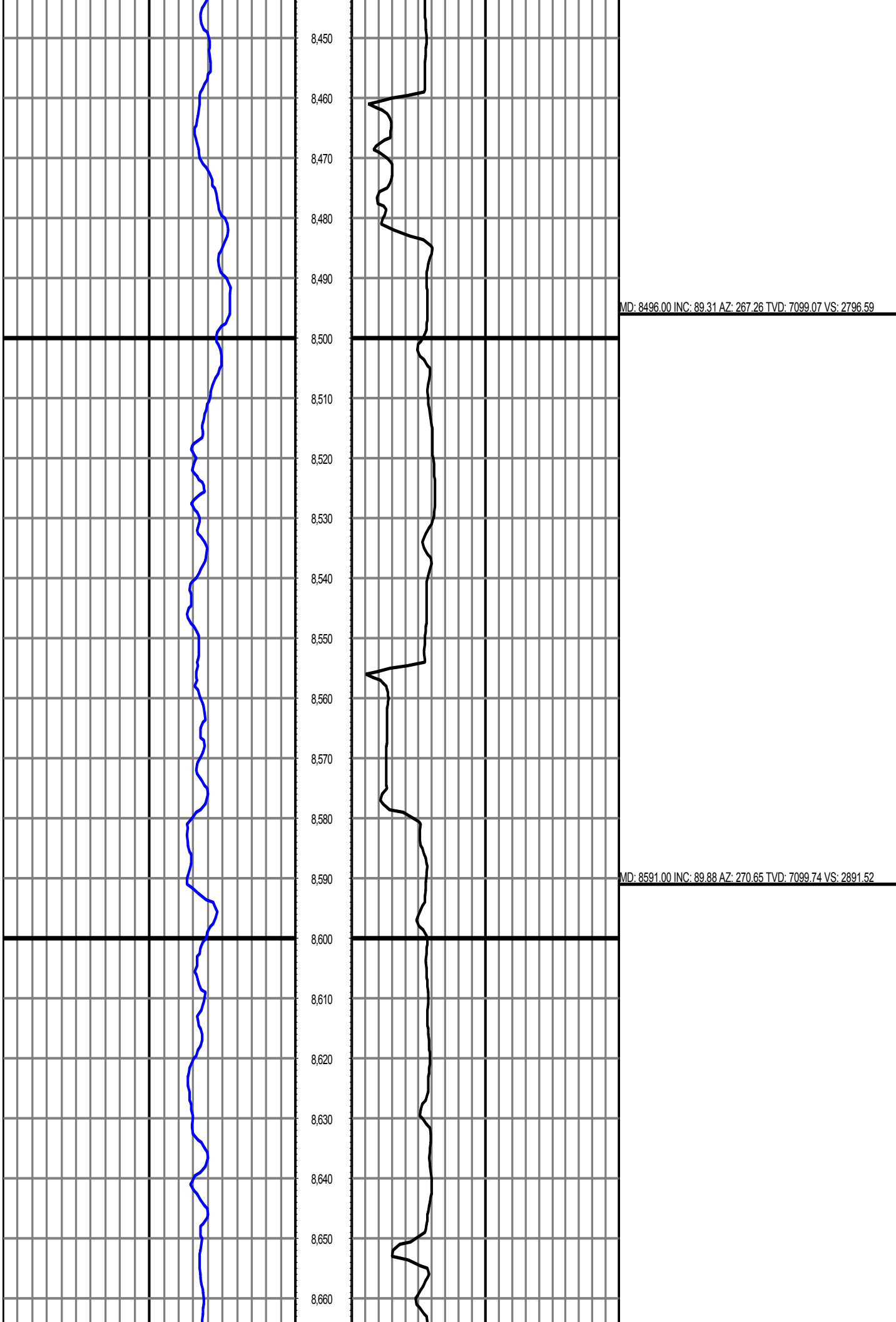


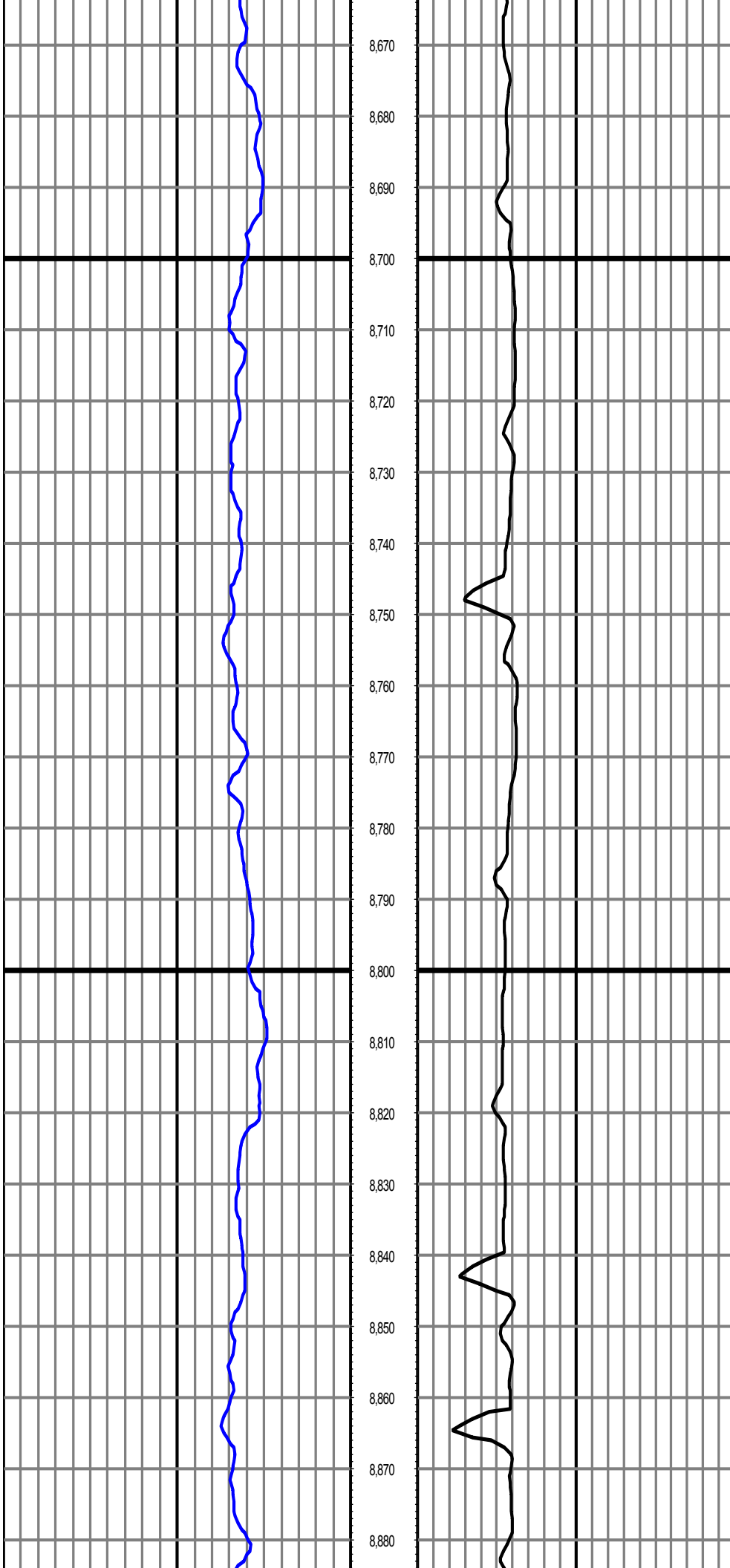




MD: 8307.00 INC: 90.01 AZ: 268.36 TVD: 7098.02 VS: 2607.94

MD: 8402.00 INC: 89.70 AZ: 266.95 TVD: 7098.26 VS: 2702.79

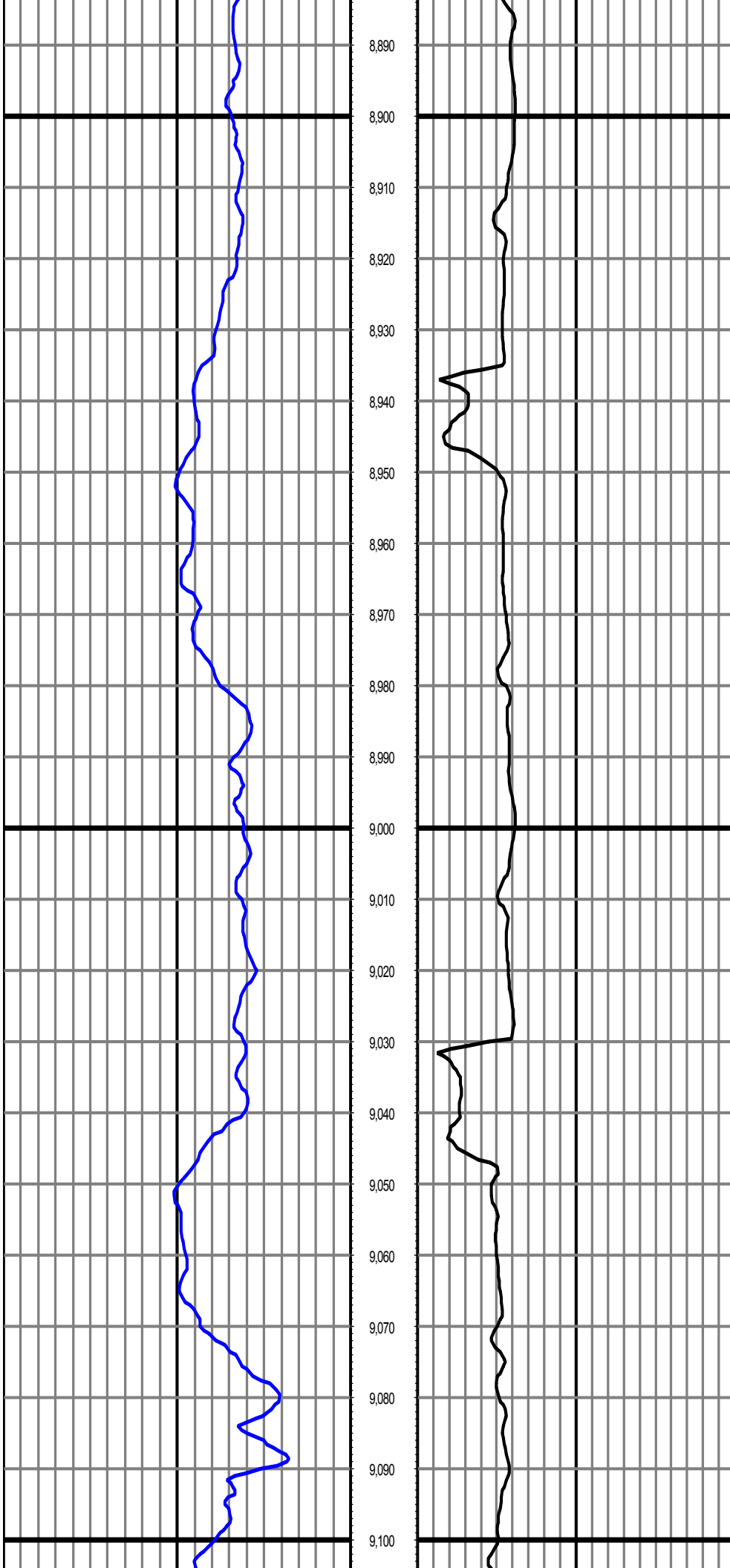




MD: 8687.00 INC: 89.62 AZ: 271.05 TVD: 7100.16 VS: 2987.52

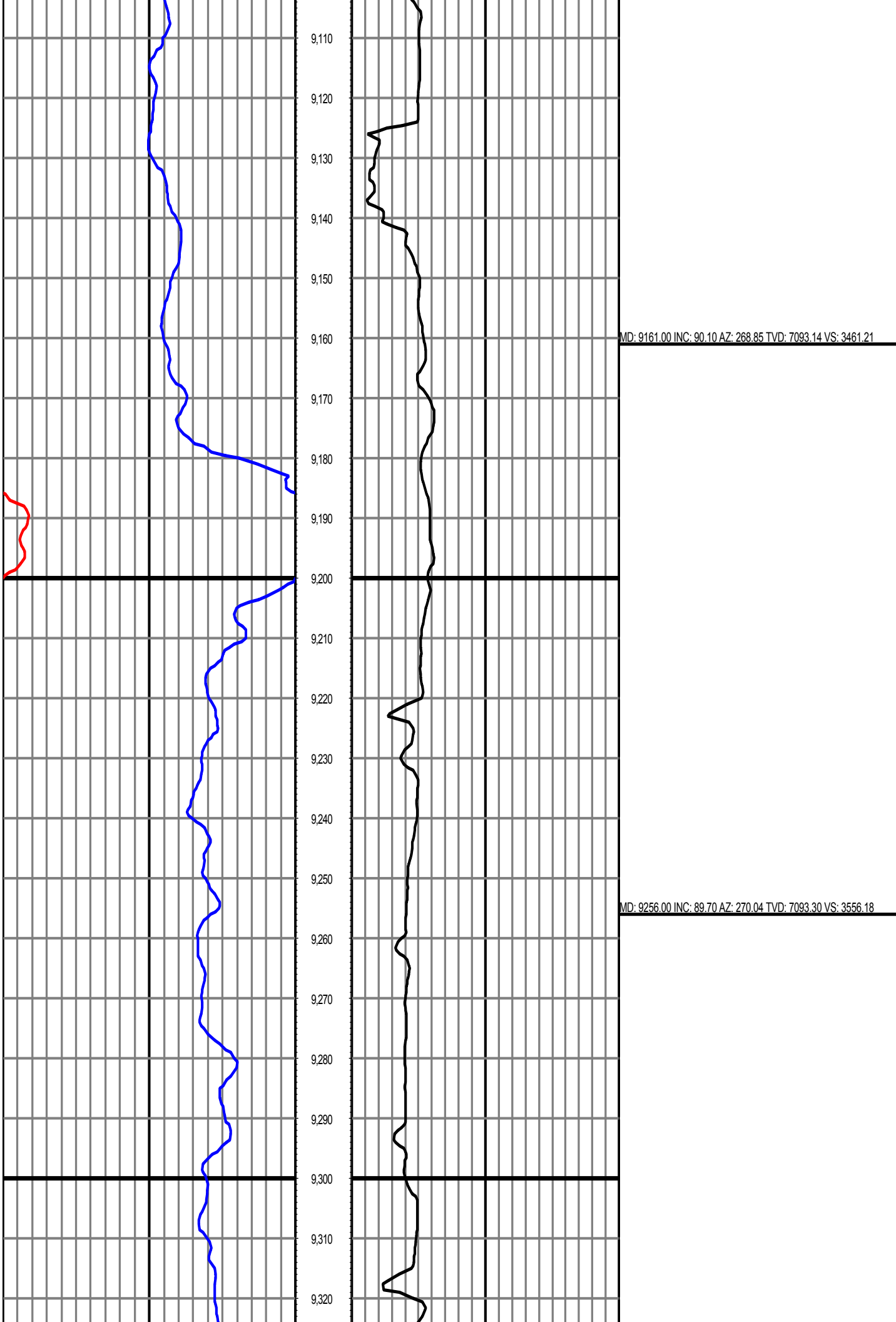
MD: 8782.00 INC: 90.50 AZ: 270.52 TVD: 7100.06 VS: 3082.52

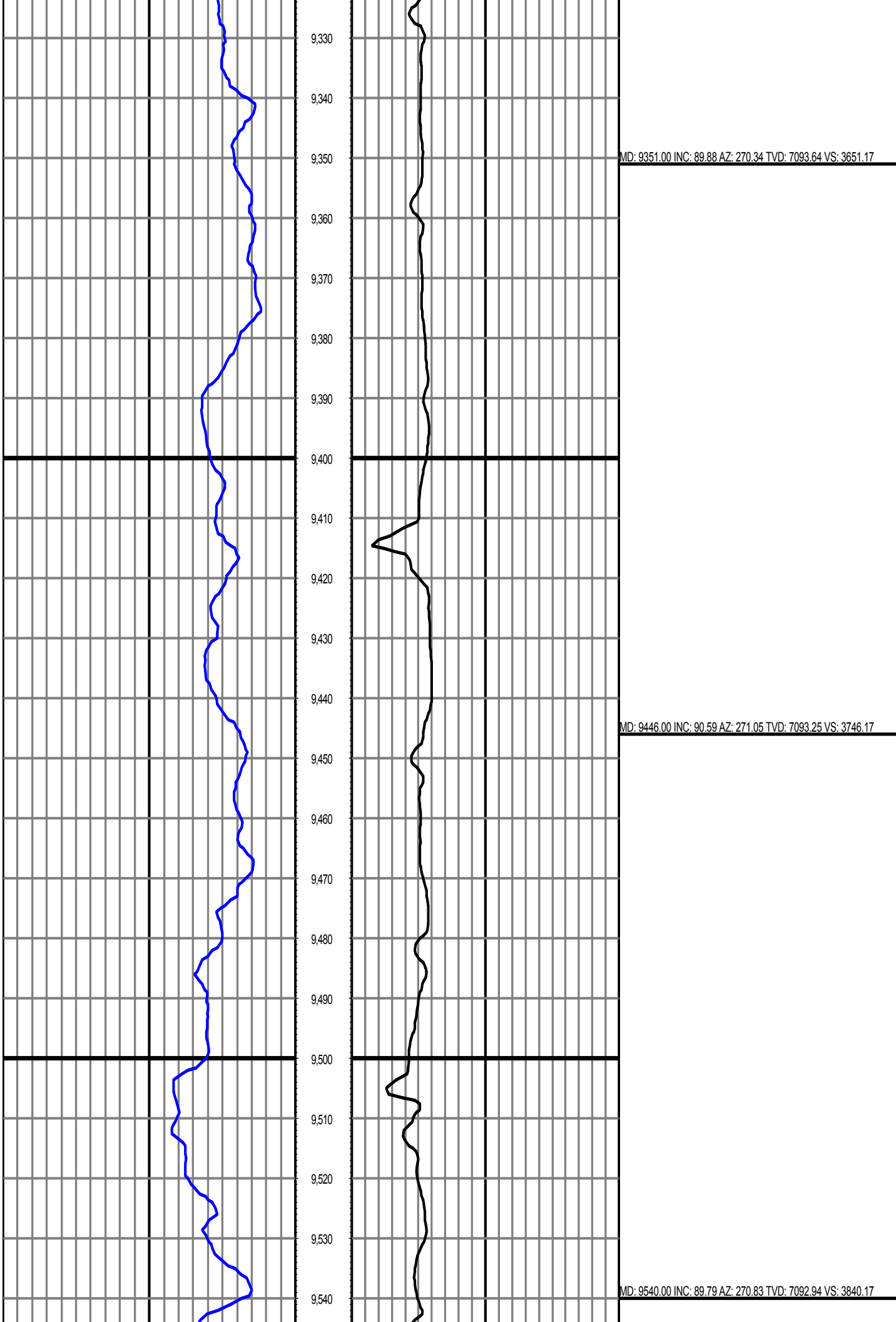
MD: 8877.00 INC: 89.88 AZ: 267.52 TVD: 7099.75 VS: 3177.46

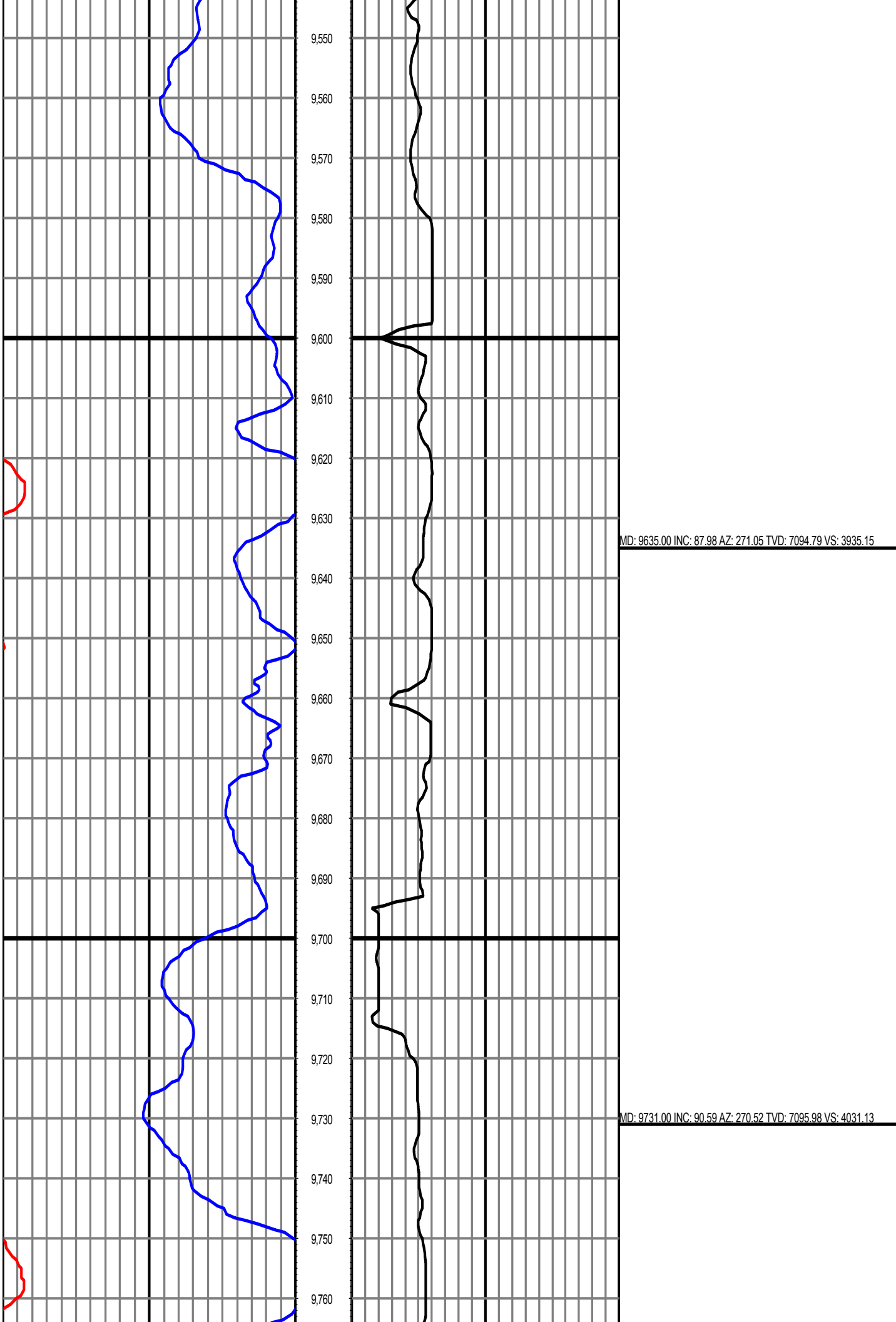


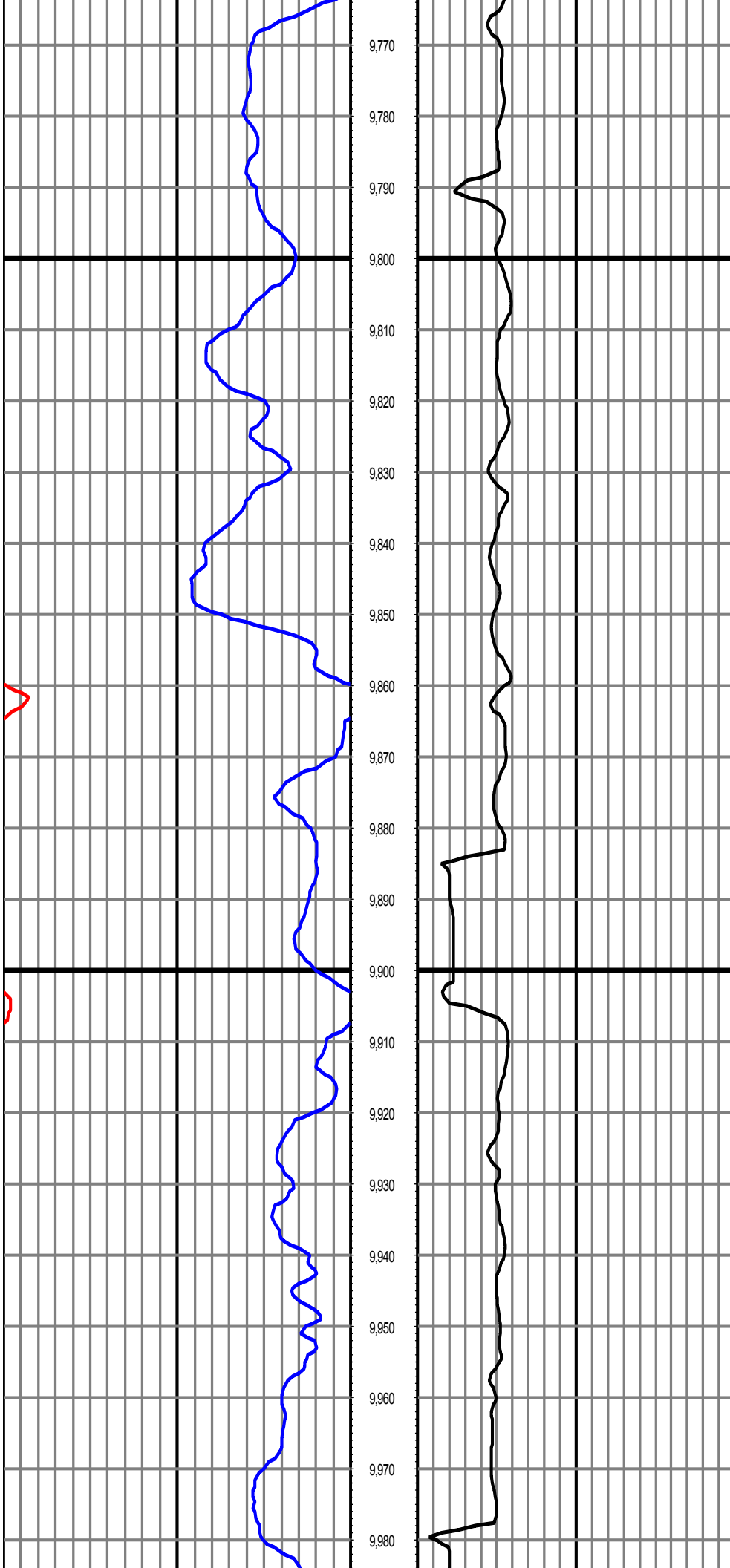
MD: 8971.00 INC: 92.00 AZ: 269.02 TVD: 7098.20 VS: 3271.34

MD: 9066.00 INC: 92.00 AZ: 270.04 TVD: 7094.88 VS: 3366.26



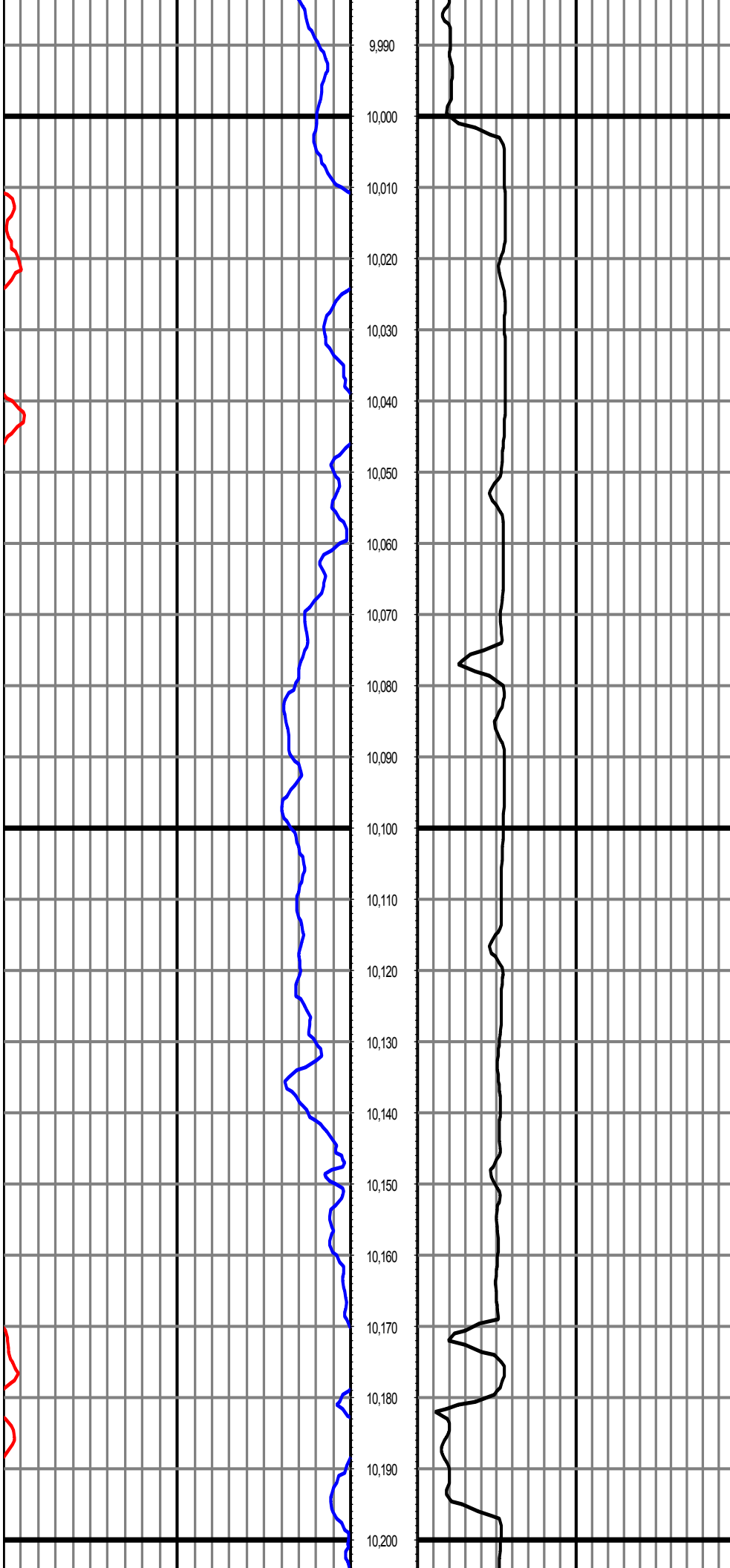






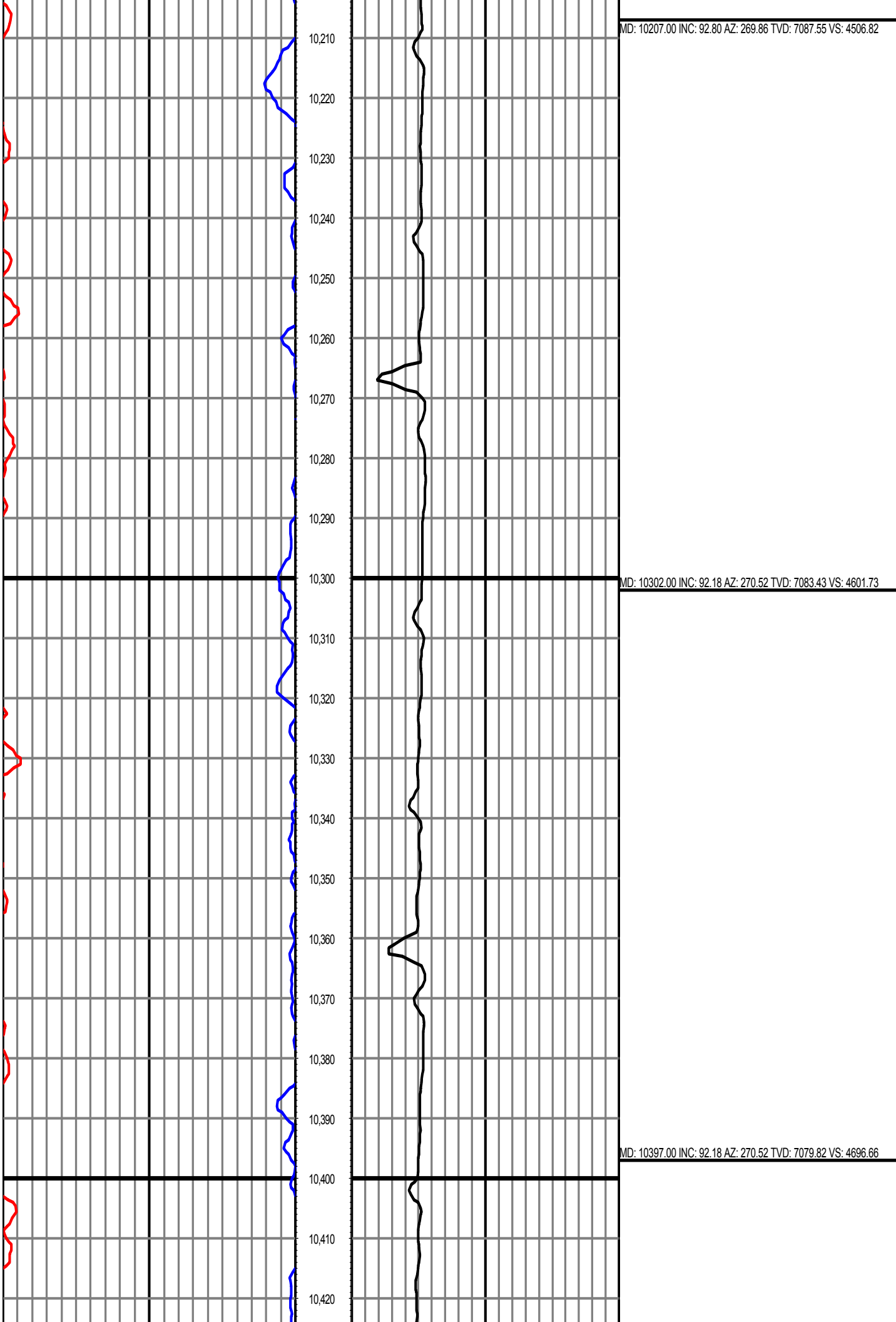
MD: 9826.00 INC: 89.09 AZ: 271.36 TVD: 7096.25 VS: 4126.13

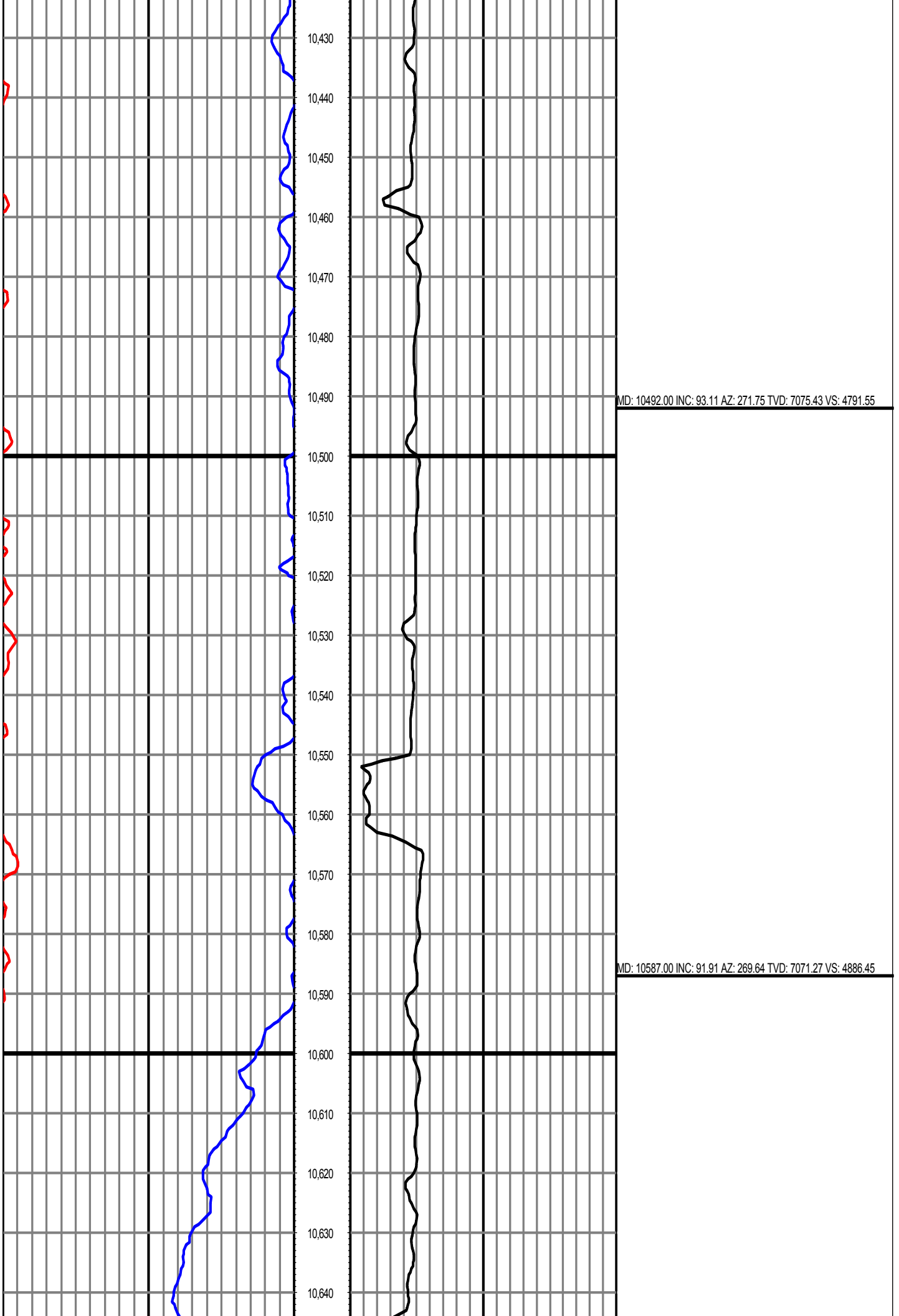
MD: 9921.00 INC: 90.59 AZ: 270.83 TVD: 7096.52 VS: 4221.12

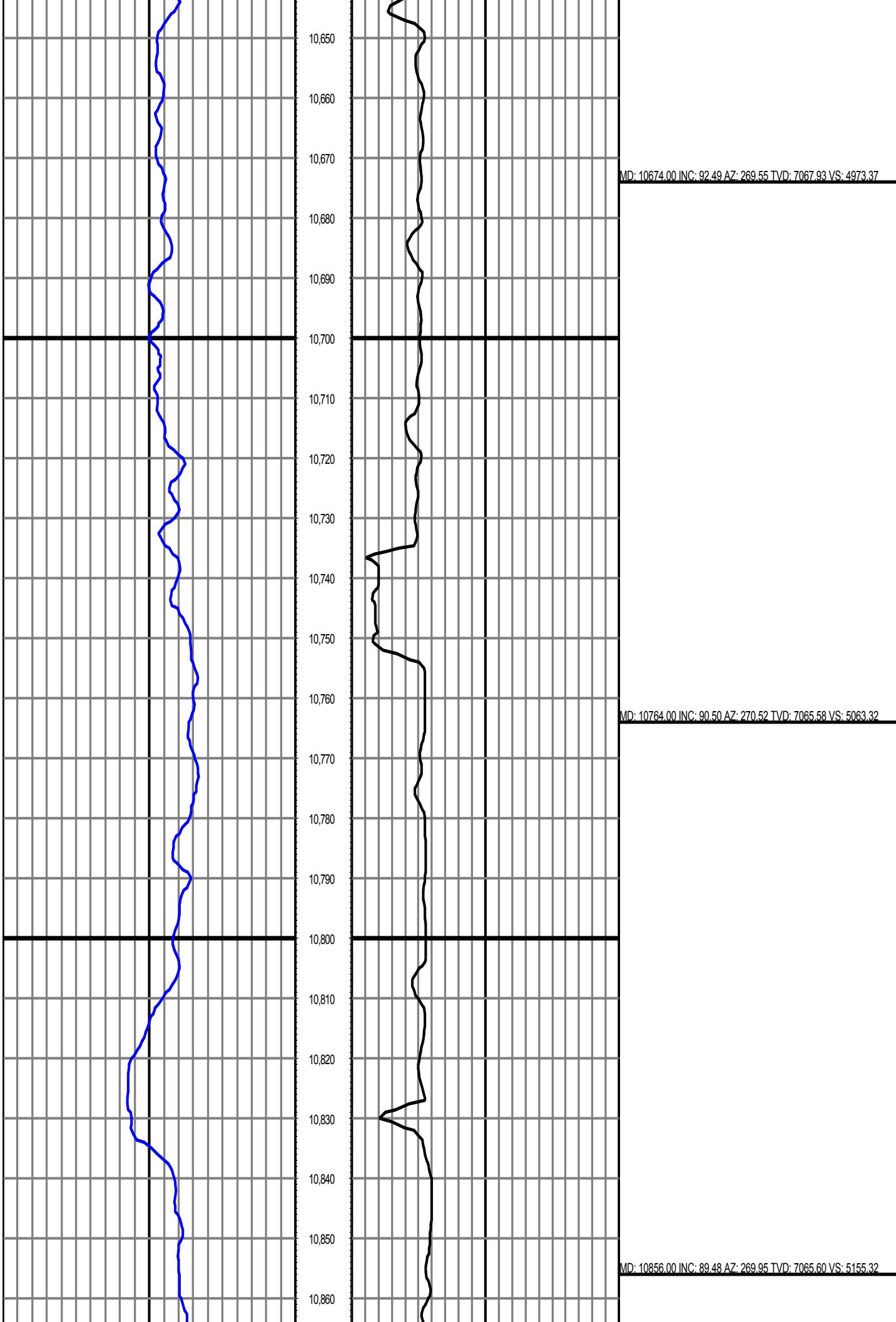


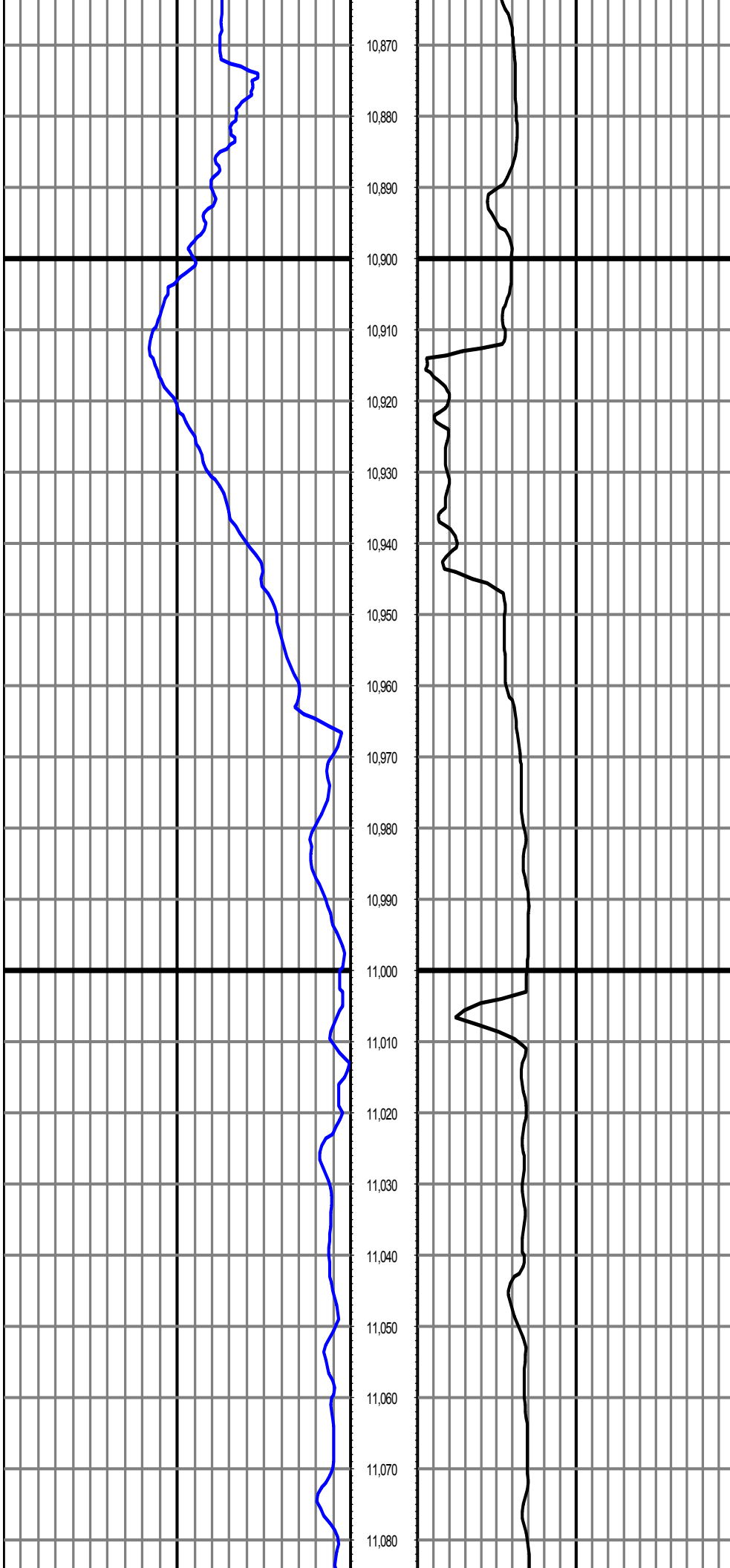
MD: 10016.00 INC: 92.31 AZ: 269.33 TVD: 7094.12 VS: 4316.08

MD: 10111.00 INC: 91.38 AZ: 267.83 TVD: 7091.06 VS: 4410.95



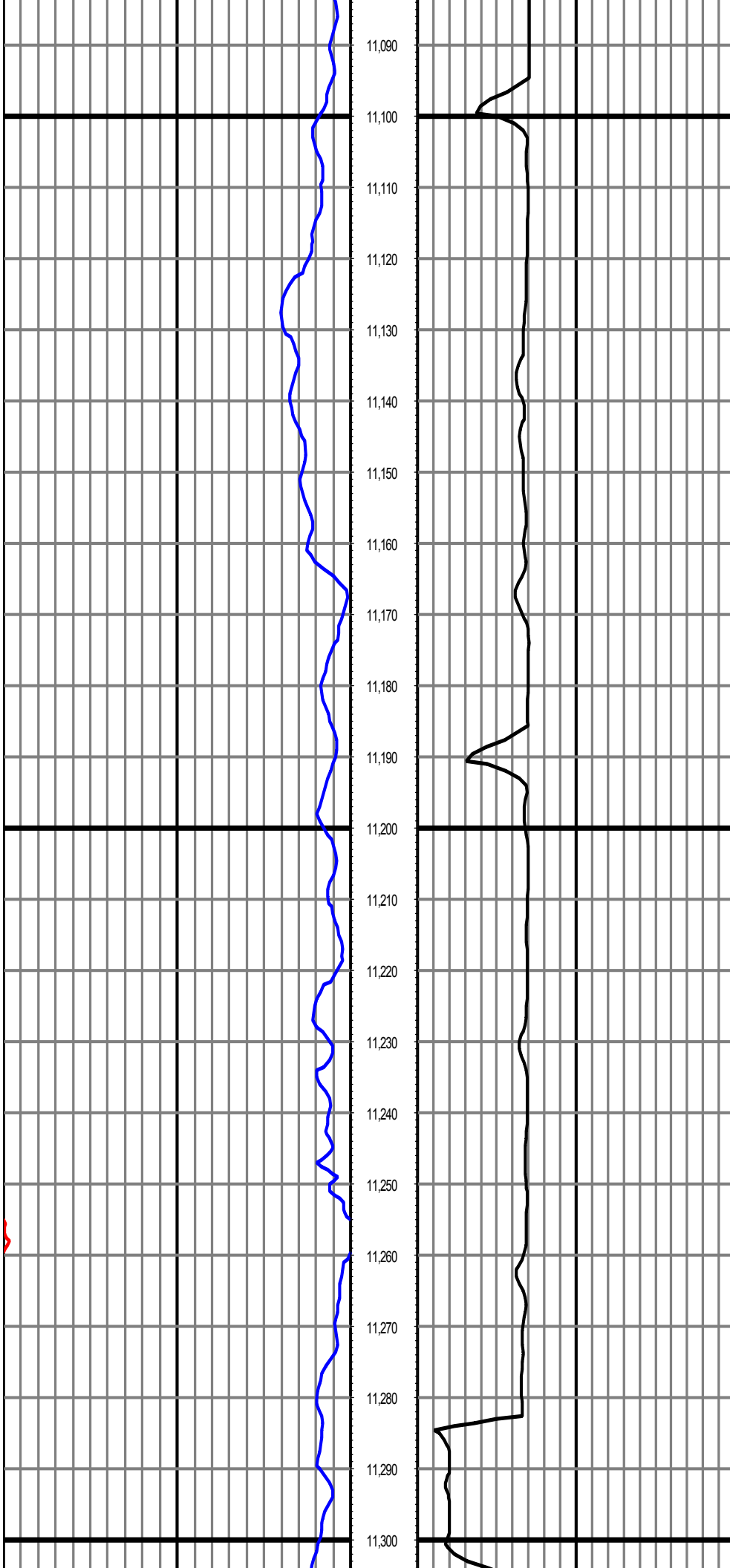






MD: 10947.00 INC: 92.62 AZ: 269.33 TVD: 7063.93 VS: 5246.27

MD: 11038.00 INC: 93.99 AZ: 269.24 TVD: 7058.68 VS: 5337.08



MD: 11129.00 INC: 93.90 AZ: 268.63 TVD: 7052.42 VS: 5427.82

MD: 11224.00 INC: 94.30 AZ: 267.44 TVD: 7045.62 VS: 5522.46

