



LEAM

**ND-140740**

5":100' - MD

6/25/2014 8:18:41 PM

**Oper. Company:** Whiting Petroleum Corp.**Country:** USA**State / Province:** CO**County / Parish:** Weld**Started:** 06/19/2014 12:00 AM**API/UWI:** 05-123-392000-00**Field:** Wildcat**Well:** Horsetail 30F-3106**Rig:** xtreme 18**Ended:****Personnel****Day Hand:** Noel Dalbey**Night Hand:** Jerry Shannahan**Comp. Emp:** LEAM Drilling Systems**Location****Latitude:** 40° 48' 37.958N**Longitude:** 103° 47' 44.902W**Elev. GL:** 4780**Elev. DF:** 17**Elev. KB:** 1797**Hole Data**

Size	From	To
13.5	0	1600
8.75	1600	5979
6.125	5979	0

**Casing Data**

Size	From	To
9 5/8 x 36	0	1557
7 x 29	0	5953
4.5 x 11.6	0	0

**Bit Sizes**

Size	From	To
13.5	0	1600
8.75	1600	5979
6.125	5979	0

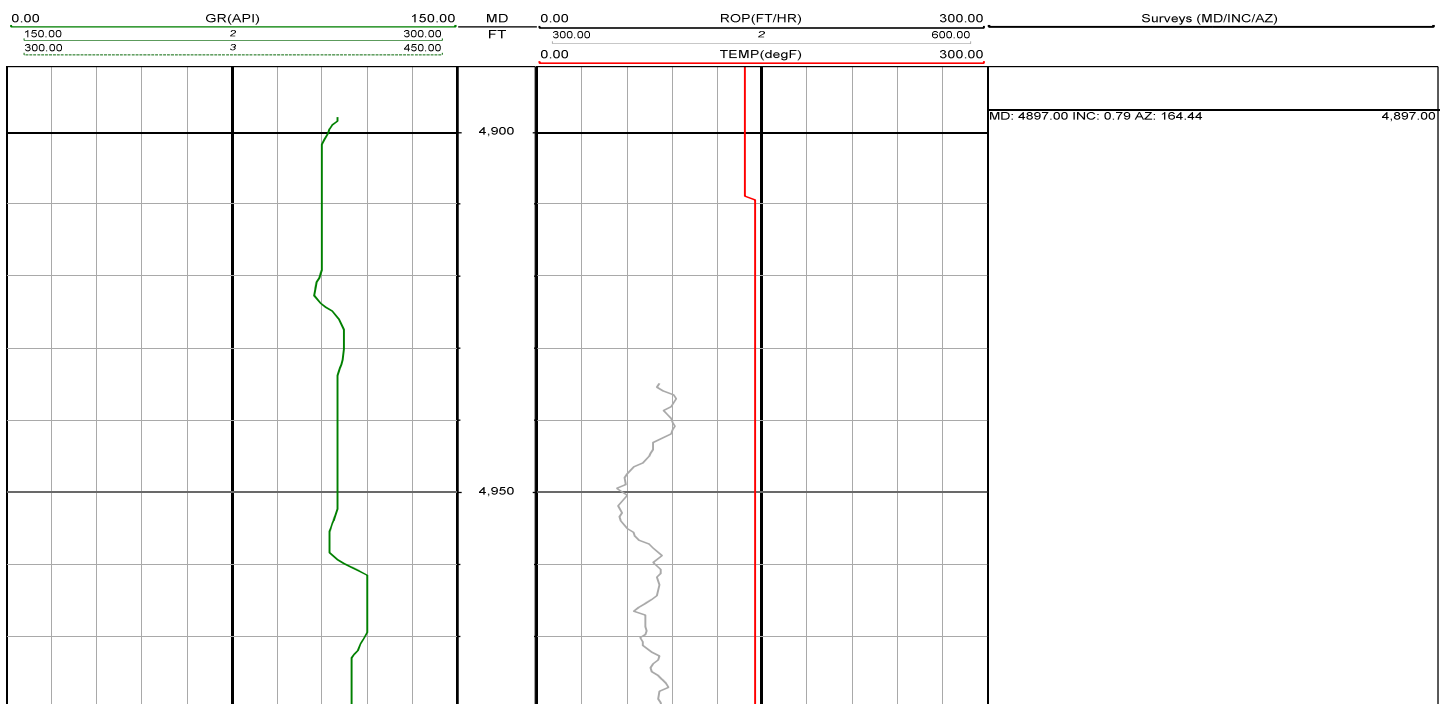
**Mud Data**

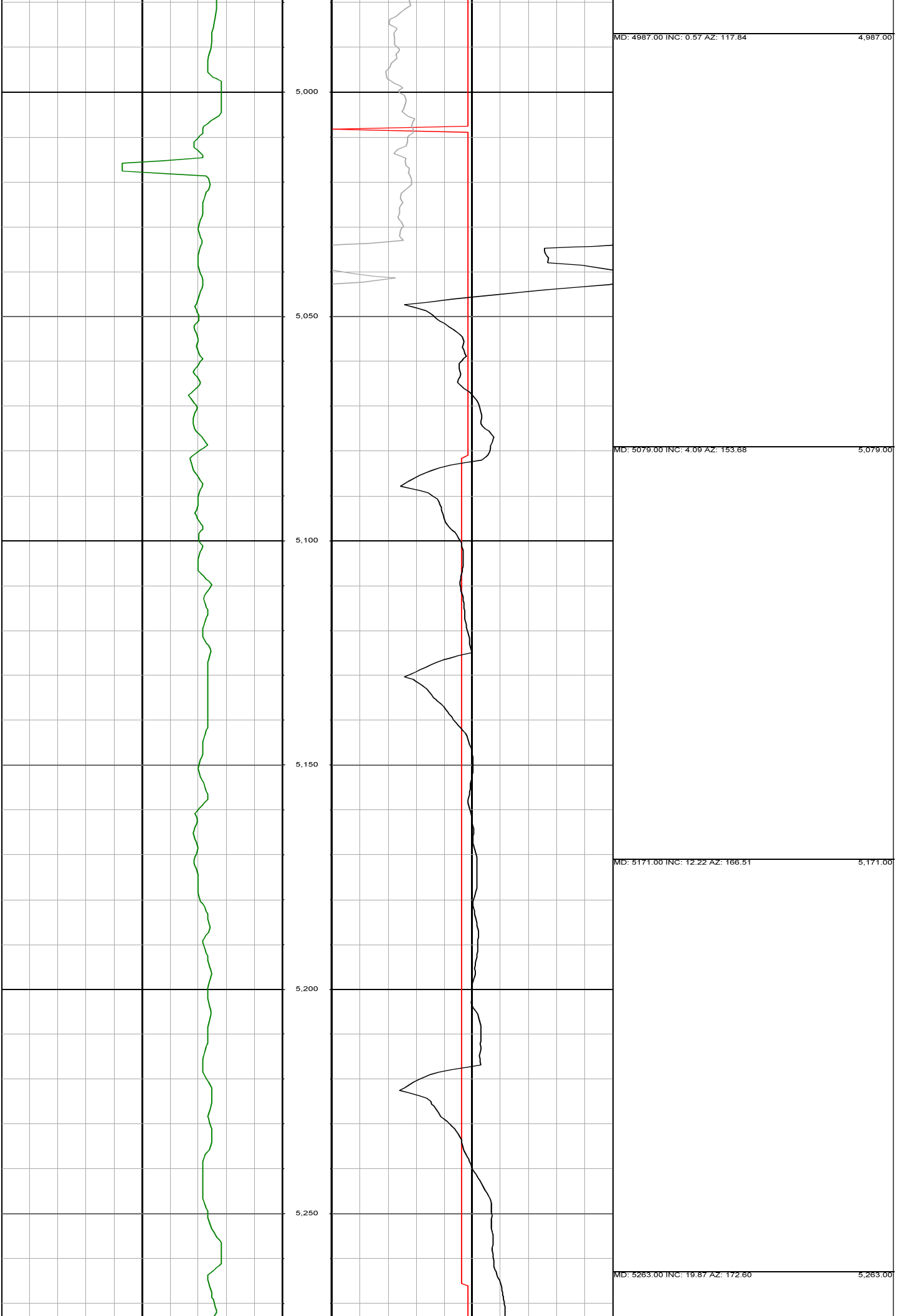
Type	Weight	Density	Viscosity	Rm	Rmf	Rmc	From	To
L-S-N-D	9.3	7	22				0	4854
L-S-N-D	10.15	11	34				0	5979
L-S-N-D	10.2	11.7	51				0	10417

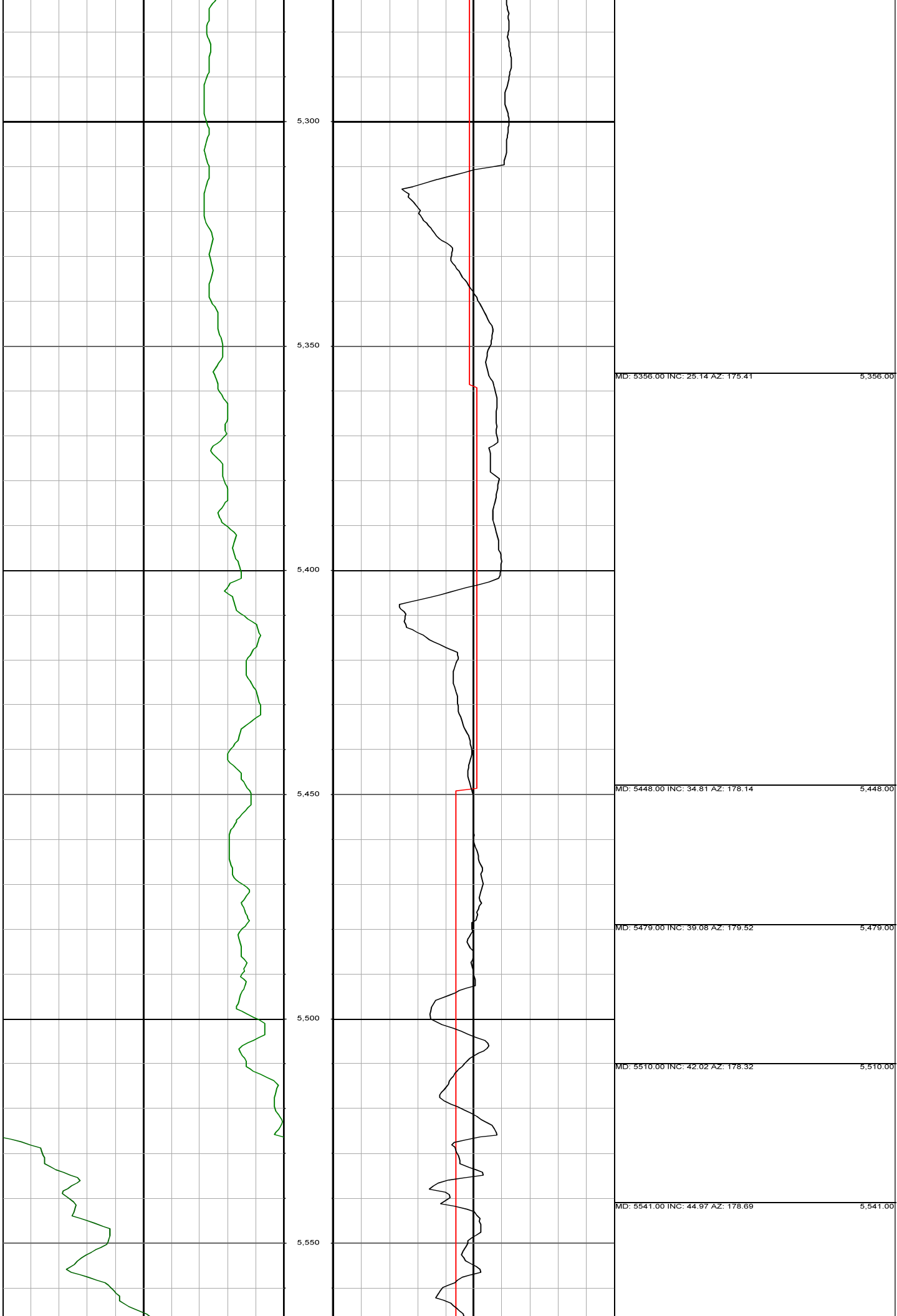
**Tool Run Data**

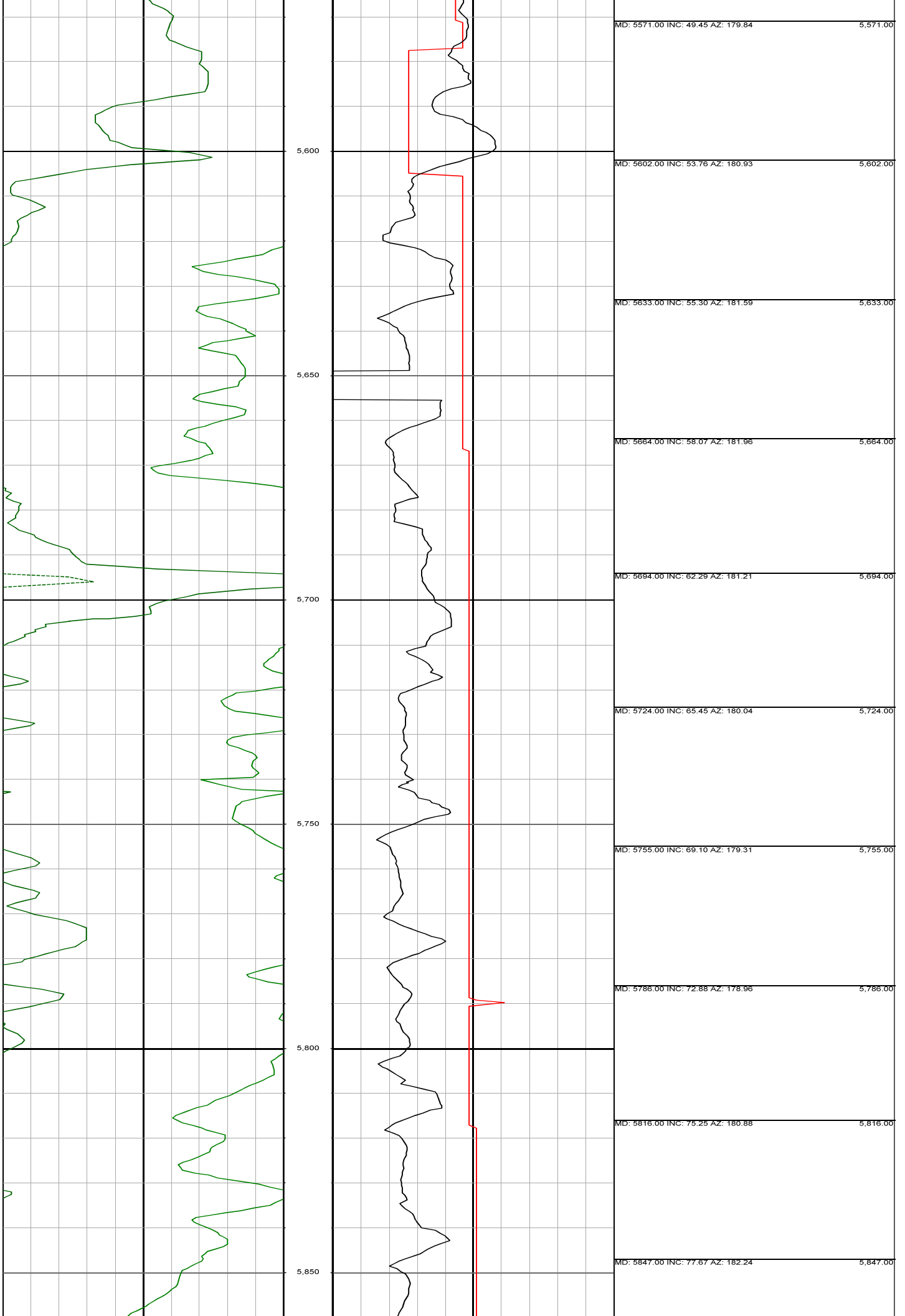
Serial Number	Gamma Offset	Resist. Offset	Start Time	Start Depth	End Time	End Depth
7751XD-044M	41	48	6/17/2014 12:03:03 AM	0	6/17/2014 4:30:03 PM	1600
SD4340	41	48	6/17/2014 12:03:34 AM	0	6/17/2014 4:30:34 PM	1600
675XR251	41	48	6/17/2014 12:03:16 AM	0	6/17/2014 4:30:16 PM	1600
675XR054	41	48	6/17/2014 12:03:01 AM	0	6/17/2014 4:30:01 PM	1600
SD111845	41	48	6/17/2014 12:03:35 AM	0	6/17/2014 4:30:35 PM	1600
LDS236	41	48	6/17/2014 12:03:42 AM	0	6/17/2014 4:30:42 PM	1600
G1418	41	48	6/17/2014 12:03:40 AM	0	6/17/2014 4:30:40 PM	1600
EO5NZ	41	48	6/17/2014 12:03:43 AM	0	6/17/2014 4:30:43 PM	1600
B5714	41	48	6/17/2014 12:03:19 AM	0	6/17/2014 4:30:19 PM	1600
B5594	41	48	6/17/2014 12:03:40 AM	0	6/17/2014 4:30:40 PM	1600
6751XD-189	37	44	6/18/2014 5:10:52 PM	1600	6/20/2014 1:30:52 AM	5402
SD3458	37	44	6/18/2014 5:10:08 PM	1600	6/20/2014 1:30:08 AM	5402
6752140	37	44	6/18/2014 5:10:39 PM	1600	6/20/2014 1:30:39 AM	5402
675XR251	37	44	6/18/2014 5:10:10 PM	1600	6/20/2014 1:30:10 AM	5402

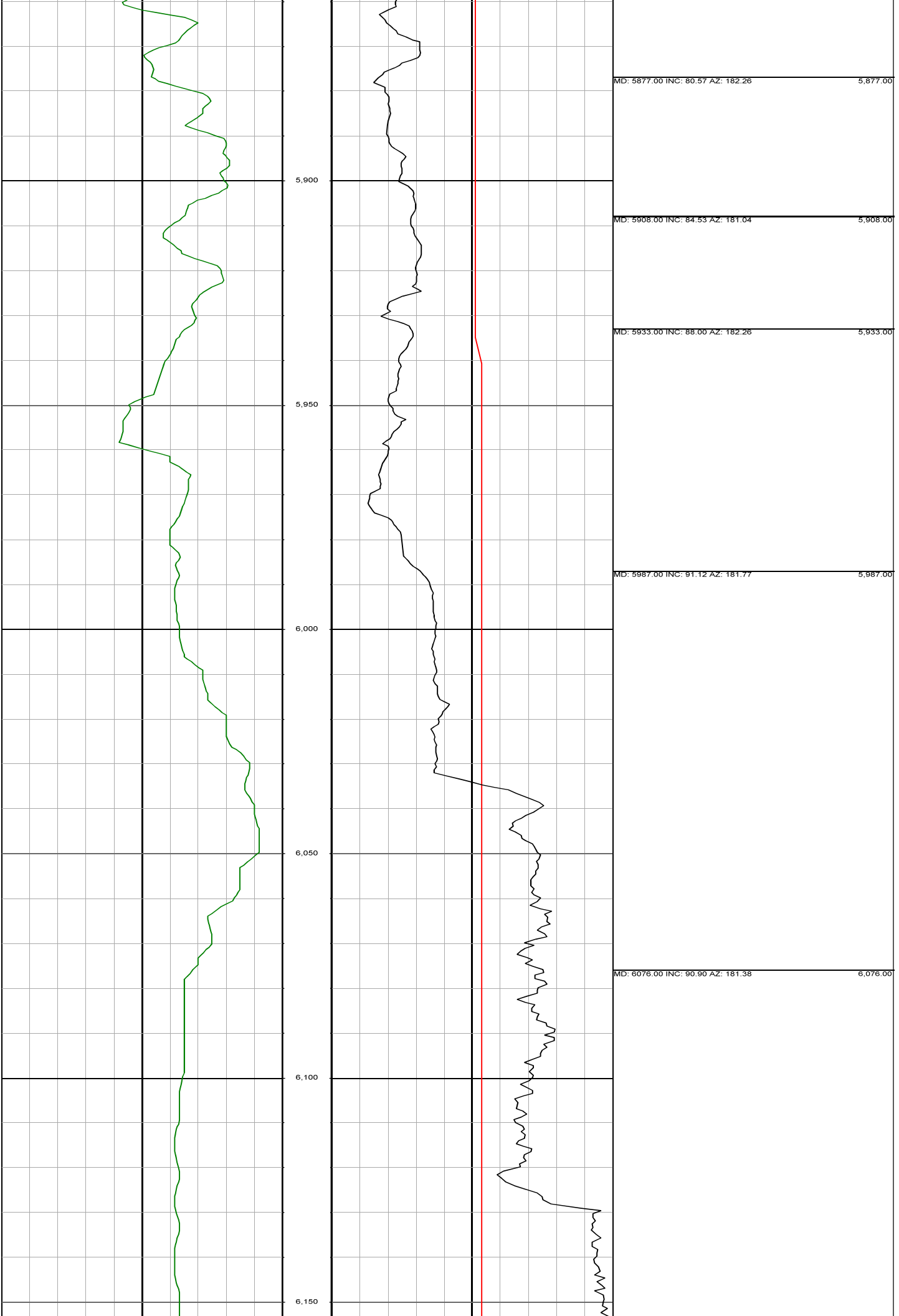
675XR054	37	44	6/18/2014 5:10:24 PM	1600	6/20/2014 1:30:24 AM	5402
SD111845	37	44	6/18/2014 5:10:44 PM	1600	6/20/2014 1:30:44 AM	5402
6751XD-1131	37	44	6/20/2014 3:15:56 AM	5402	6/21/2014 4:20:56 AM	5979
SD3458	37	44	6/20/2014 3:15:19 AM	5402	6/21/2014 4:20:19 AM	5979
6752140	37	44	6/20/2014 3:15:56 AM	5402	6/21/2014 4:20:56 AM	5979
675XR251	37	44	6/20/2014 3:15:12 AM	5402	6/21/2014 4:20:12 AM	5979
675XR054	37	44	6/20/2014 3:15:32 AM	5402	6/21/2014 4:20:32 AM	5979
SD111845	37	44	6/20/2014 3:15:46 AM	5402	6/21/2014 4:20:46 AM	5979
51XD-051	36	43	6/21/2014 8:24:29 PM	5979	6/23/2014 7:00:29 AM	8571
475FR014	36	43	6/21/2014 8:24:32 PM	5979	6/23/2014 7:00:32 AM	8571
4751212MS	36	43	6/21/2014 8:24:13 PM	5979	6/23/2014 7:00:13 AM	8571
475DC-677	36	43	6/21/2014 8:24:32 PM	5979	6/23/2014 7:00:32 AM	8571
475DC-679	36	43	6/21/2014 8:24:46 PM	5979	6/23/2014 7:00:46 AM	8571
475RO48	36	43	6/21/2014 8:24:00 PM	5979	6/23/2014 7:00:00 AM	8571
STM509	36	43	6/21/2014 8:24:12 PM	5979	6/23/2014 7:00:12 AM	8571
NOV1051781-12	36	43	6/21/2014 8:24:45 PM	5979	6/23/2014 7:00:45 AM	8571
LDS236	36	43	6/21/2014 8:24:23 PM	5979	6/23/2014 7:00:23 AM	8571
G1418	36	43	6/21/2014 8:24:11 PM	5979	6/23/2014 7:00:11 AM	8571
E05NZ	36	43	6/21/2014 8:24:23 PM	5979	6/23/2014 7:00:23 AM	8571
B5291	36	43	6/21/2014 8:24:55 PM	5979	6/23/2014 7:00:55 AM	8571
B5594	36	43	6/21/2014 8:24:10 PM	5979	6/23/2014 7:00:10 AM	8571
51XD-087	41	48	6/23/2014 8:45:06 AM	8571	6/25/2014 3:05:06 AM	0
475FR014	41	48	6/23/2014 8:45:55 AM	8571	6/25/2014 3:07:55 AM	0
4751212MS	41	48	6/23/2014 8:45:21 AM	8571	6/25/2014 3:08:21 AM	0
475DC-677	41	48	6/23/2014 8:45:36 AM	8571	6/25/2014 3:08:36 AM	0
475DC-679	41	48	6/23/2014 8:45:02 AM	8571	6/25/2014 3:09:02 AM	0
475RO48	41	48	6/23/2014 8:45:17 AM	8571	6/25/2014 3:09:17 AM	0
STM509	41	48	6/23/2014 8:45:28 AM	8571	6/25/2014 3:09:28 AM	0
NOV1051781-12	41	48	6/23/2014 8:45:40 AM	8571	6/25/2014 3:09:40 AM	0

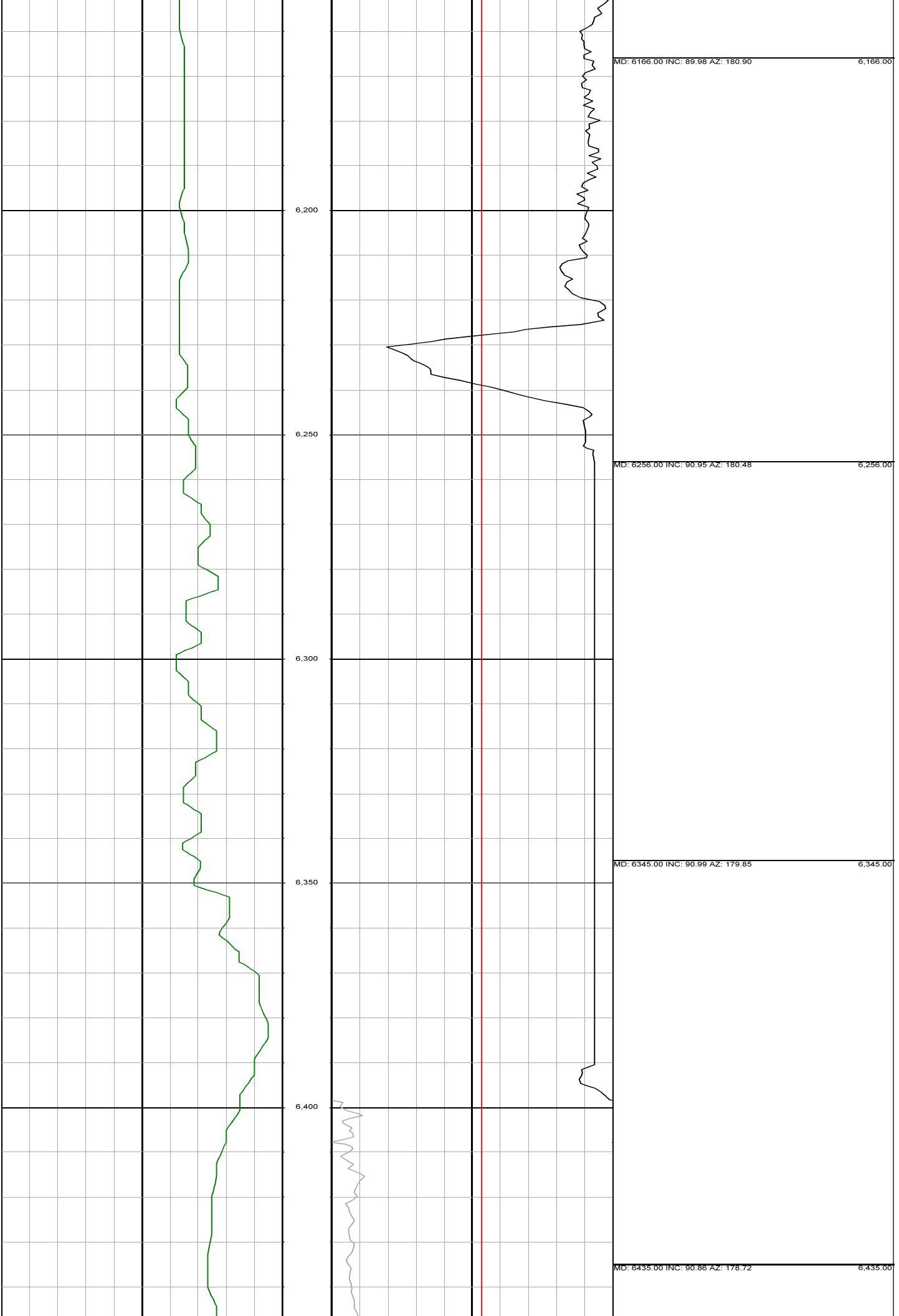






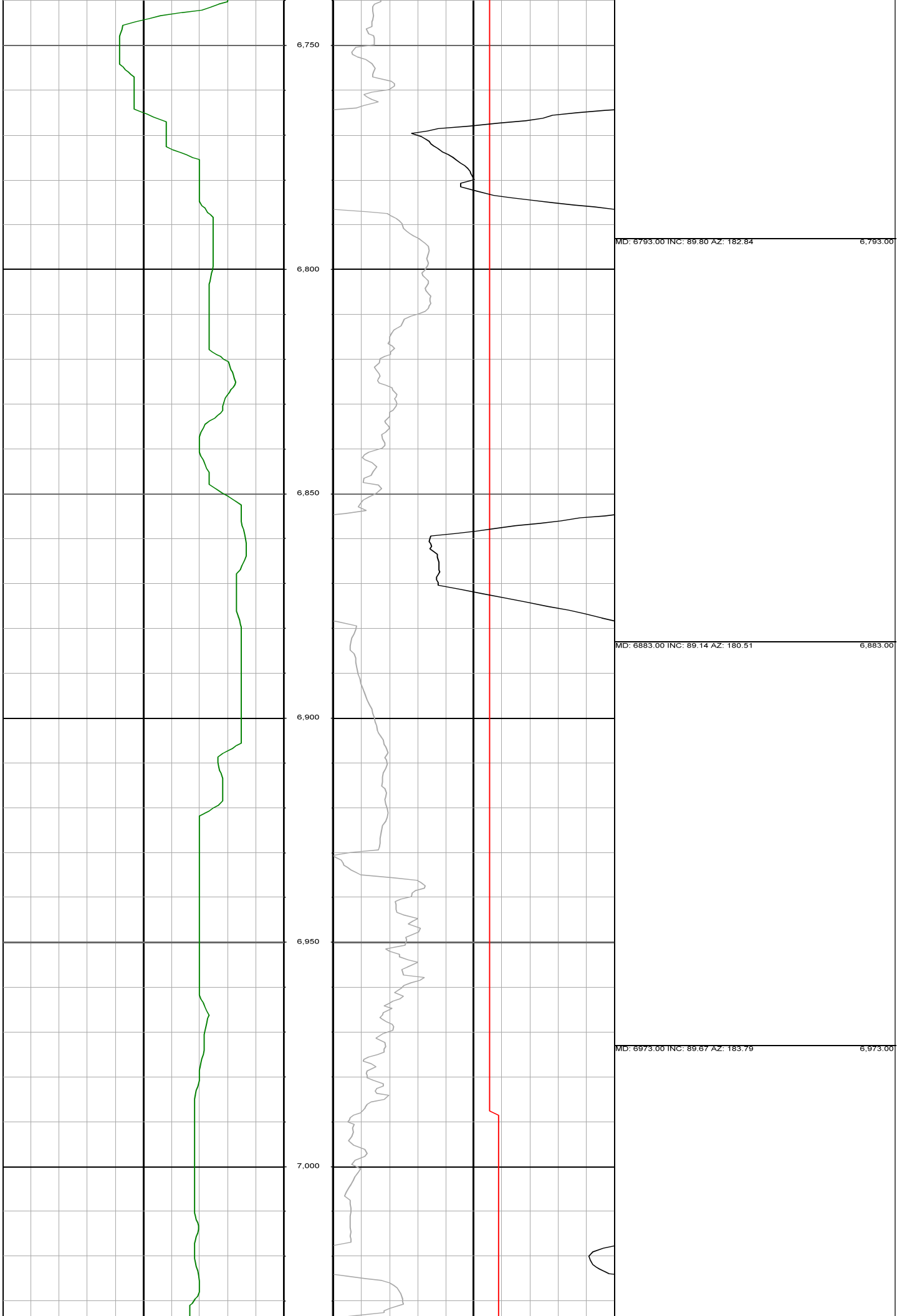


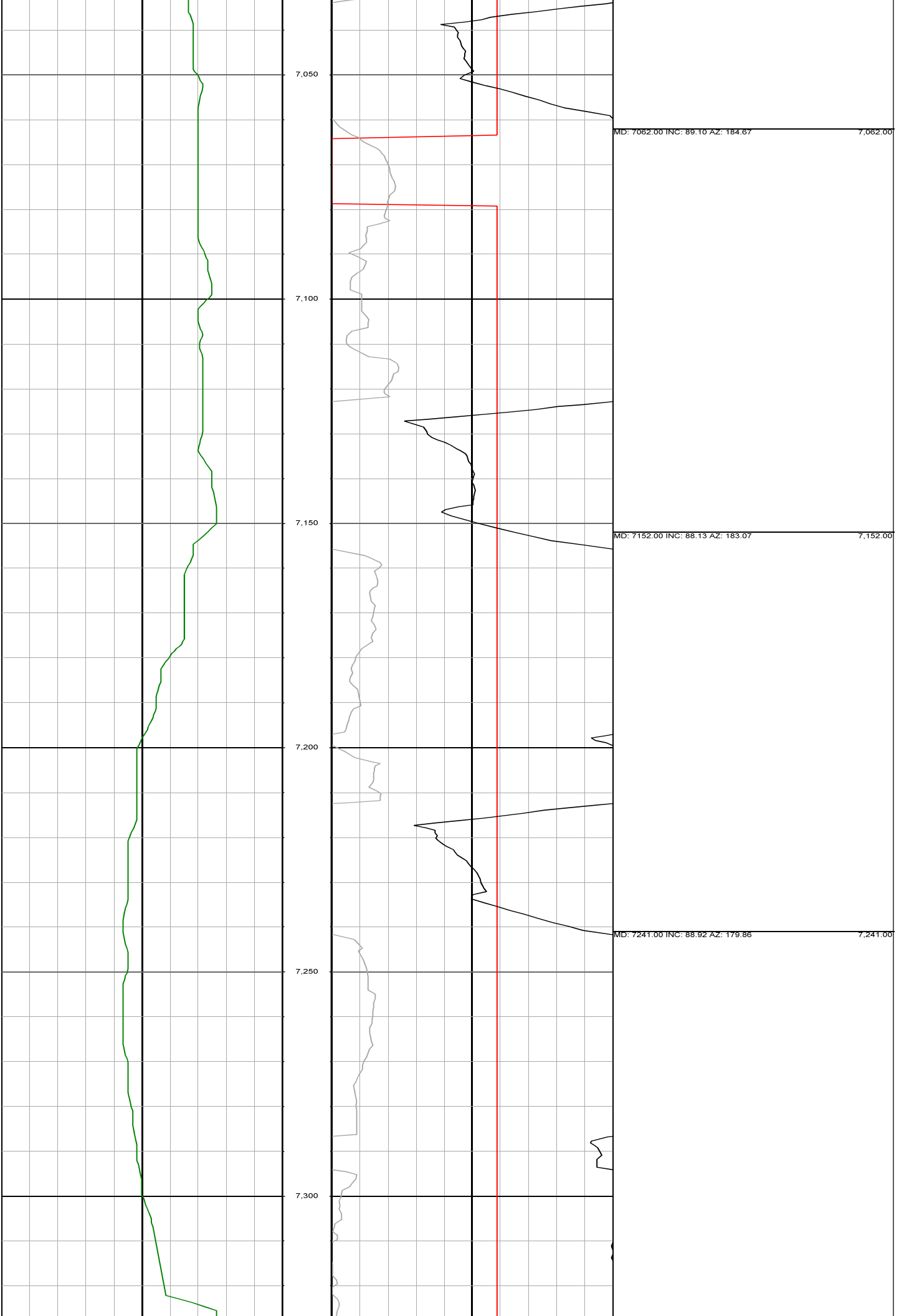


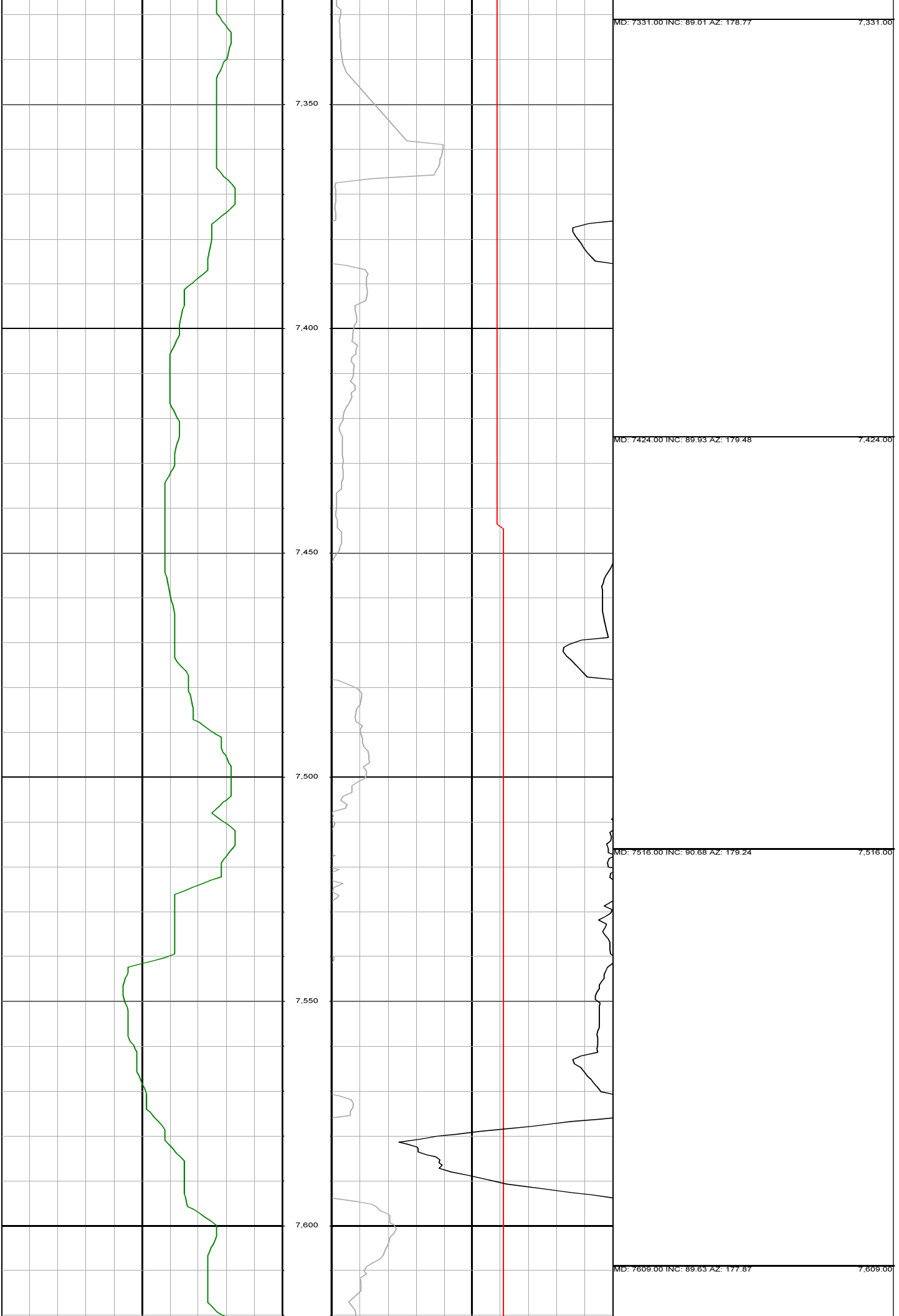


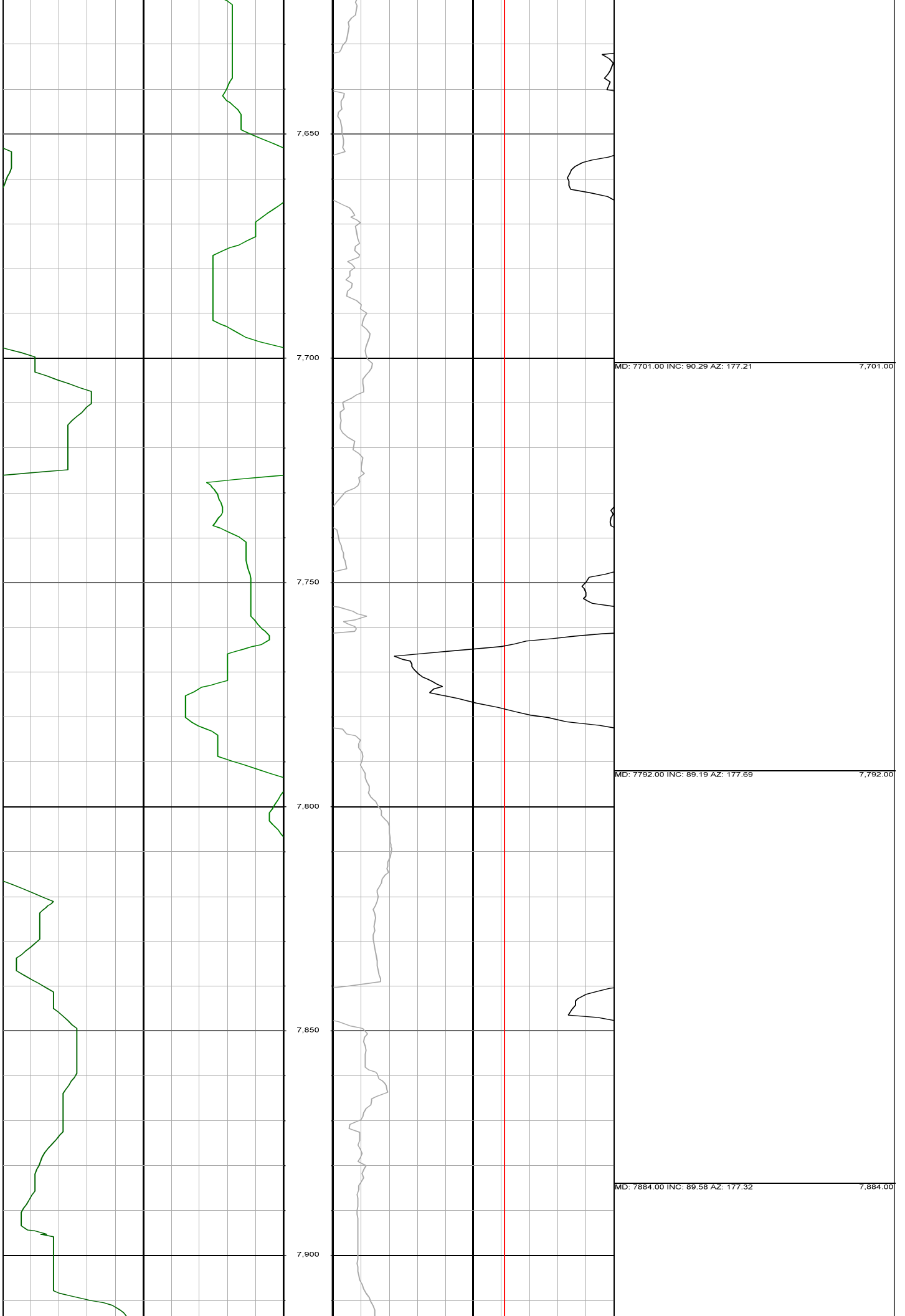


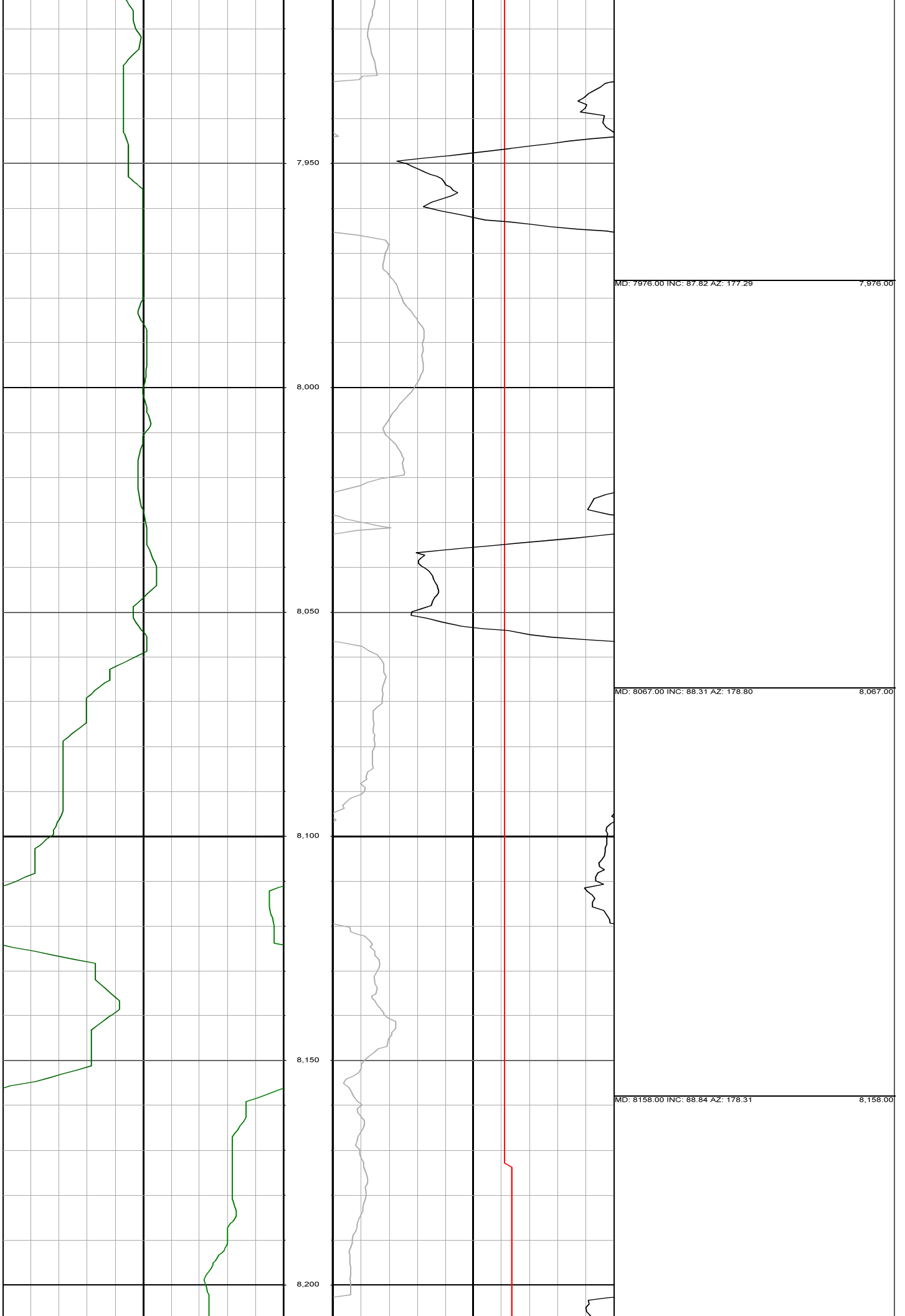


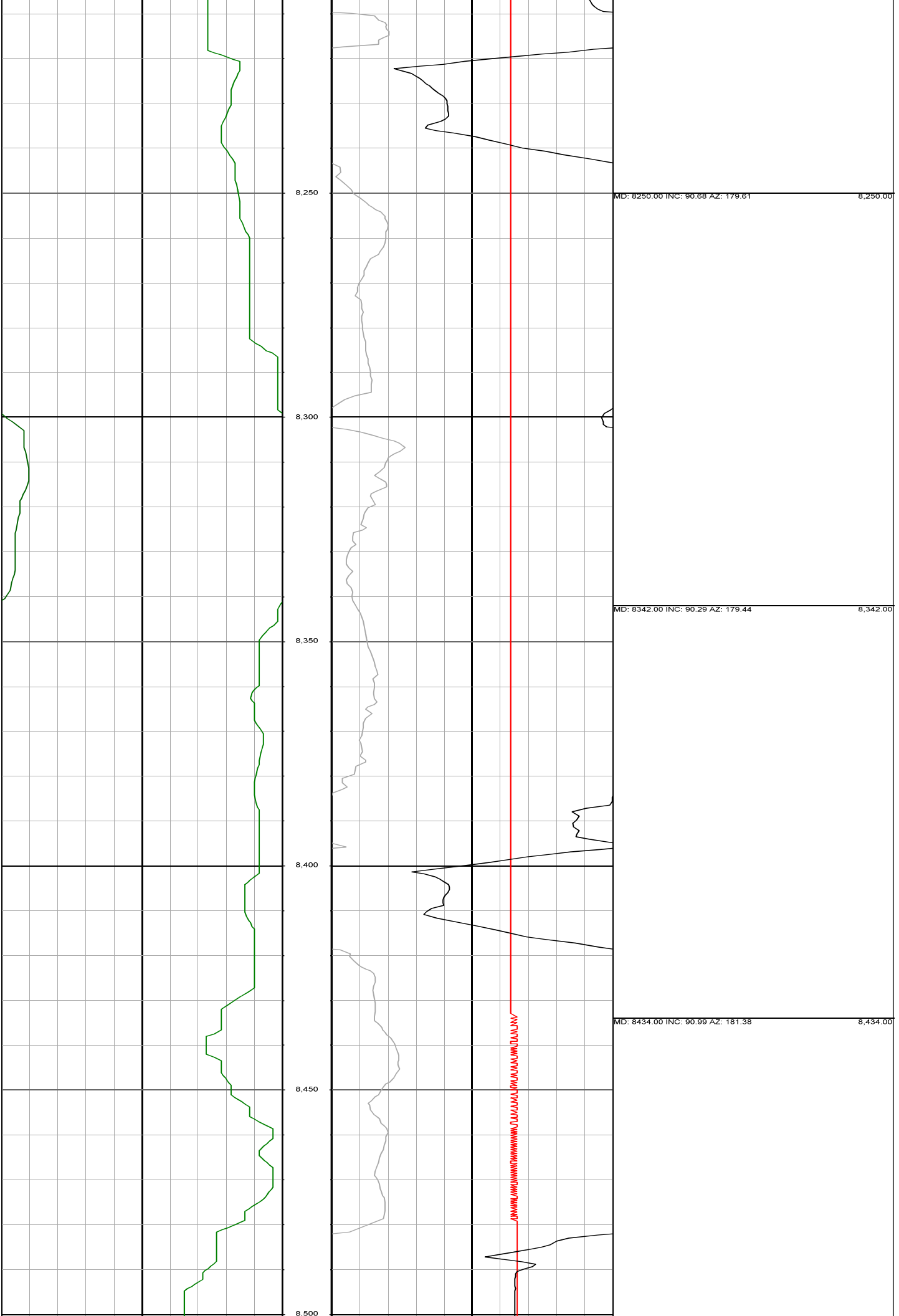


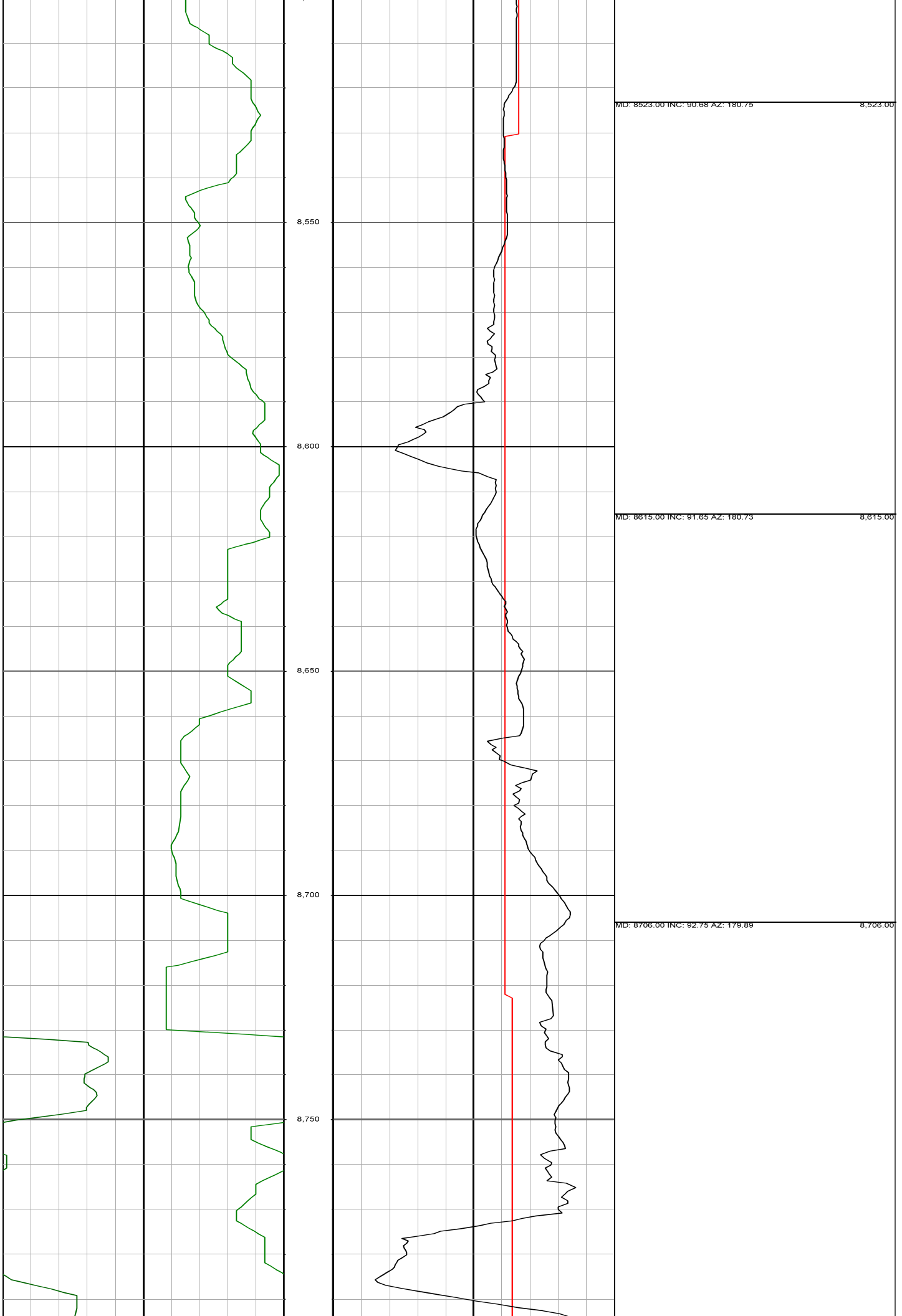


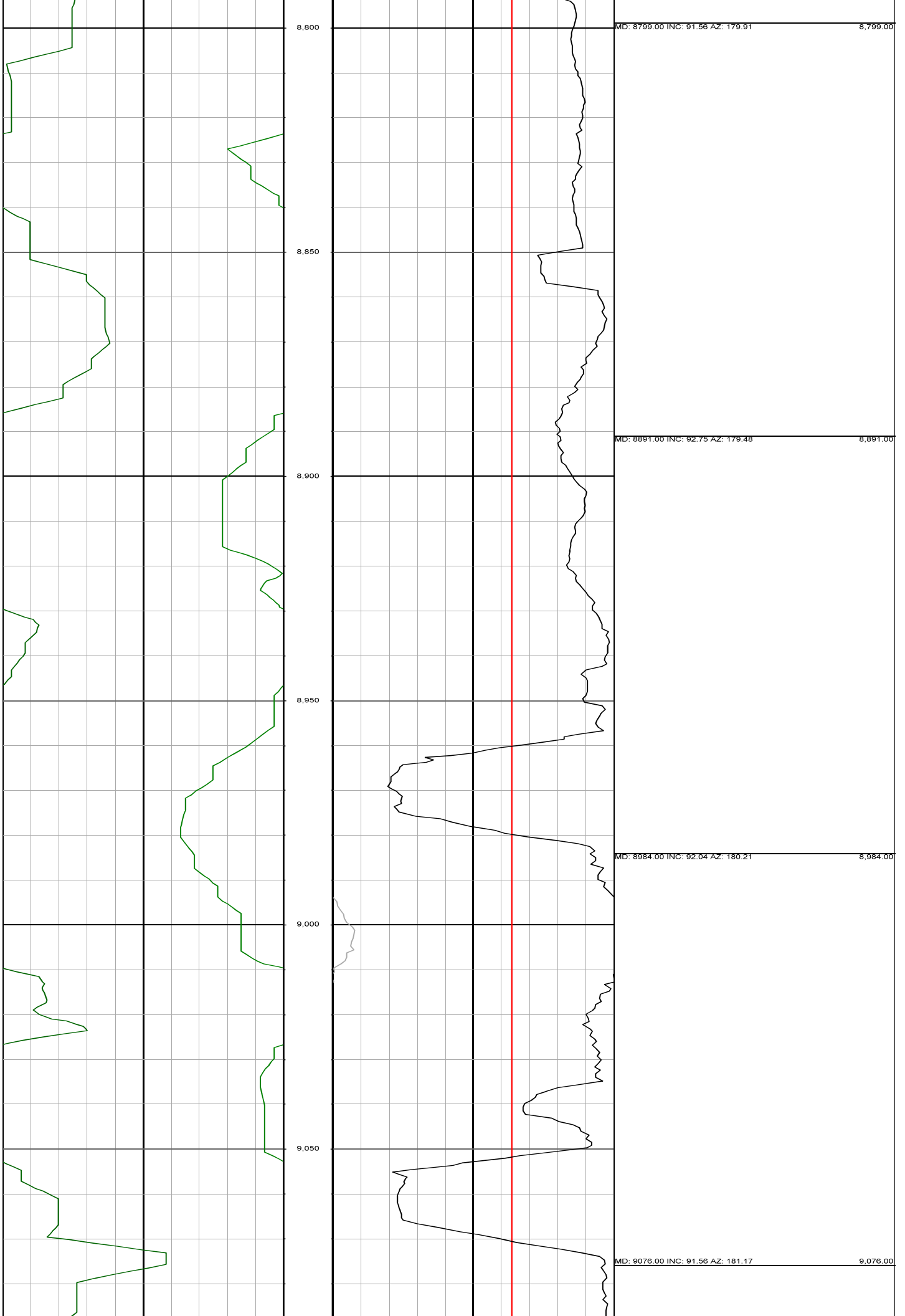




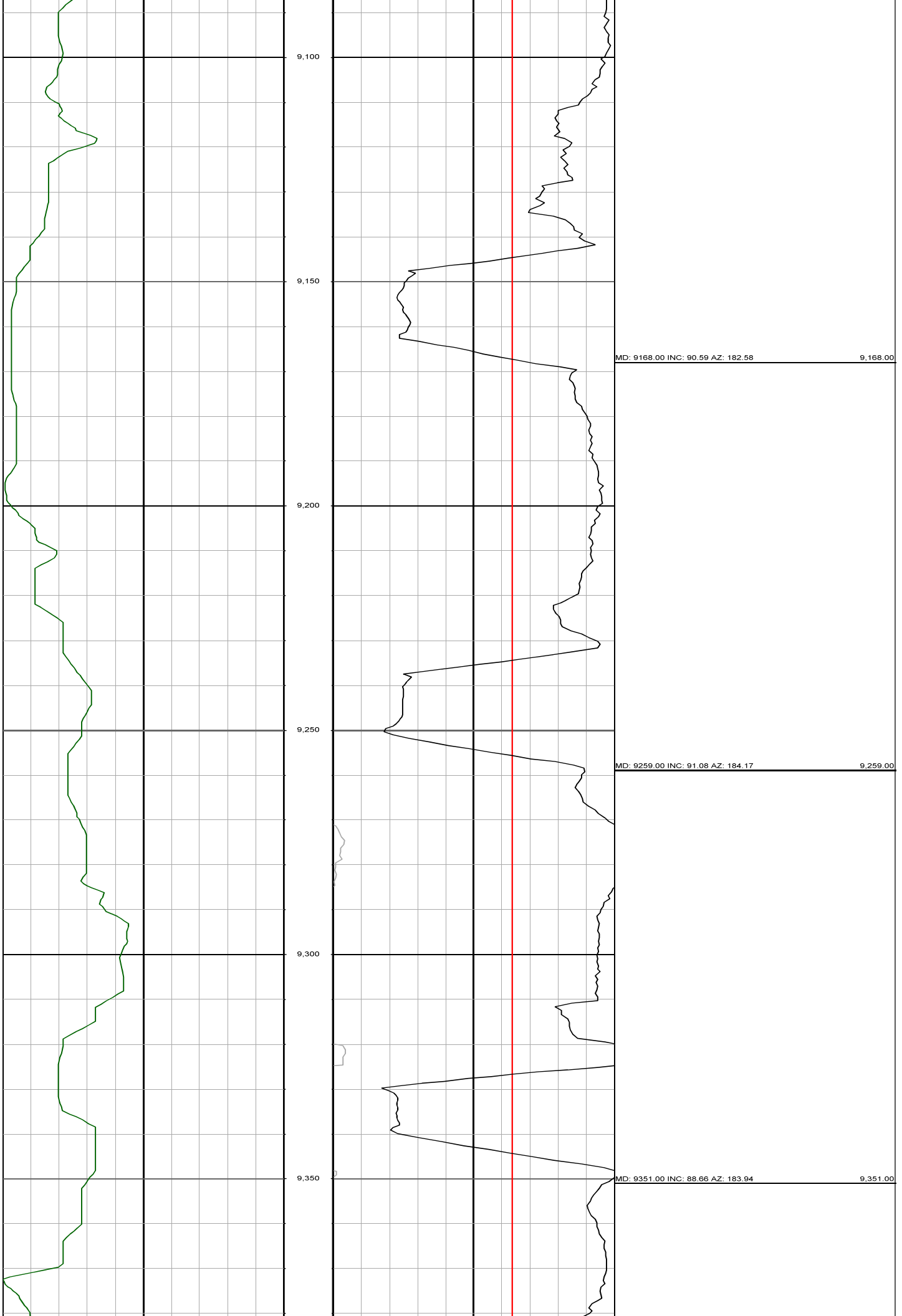


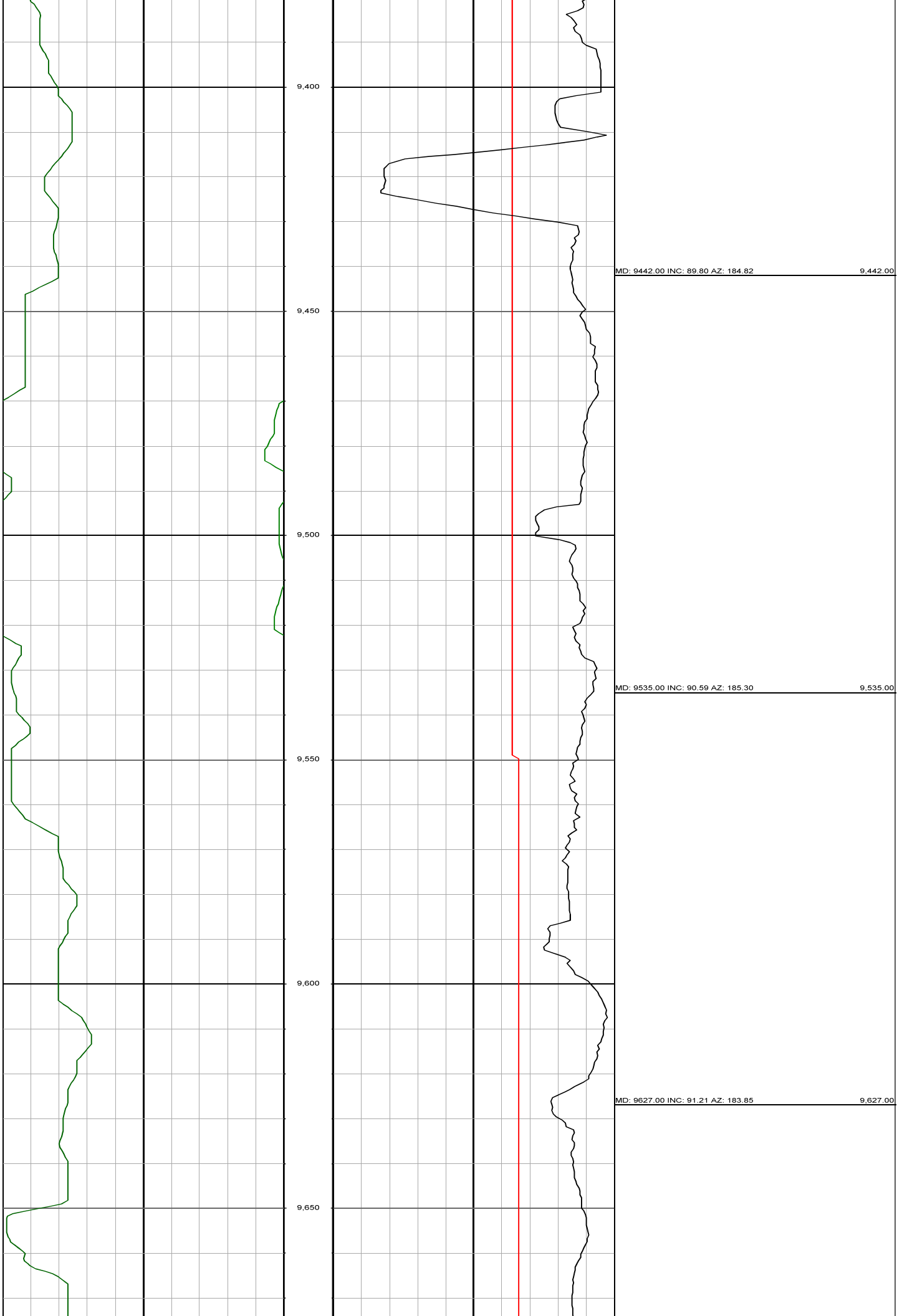


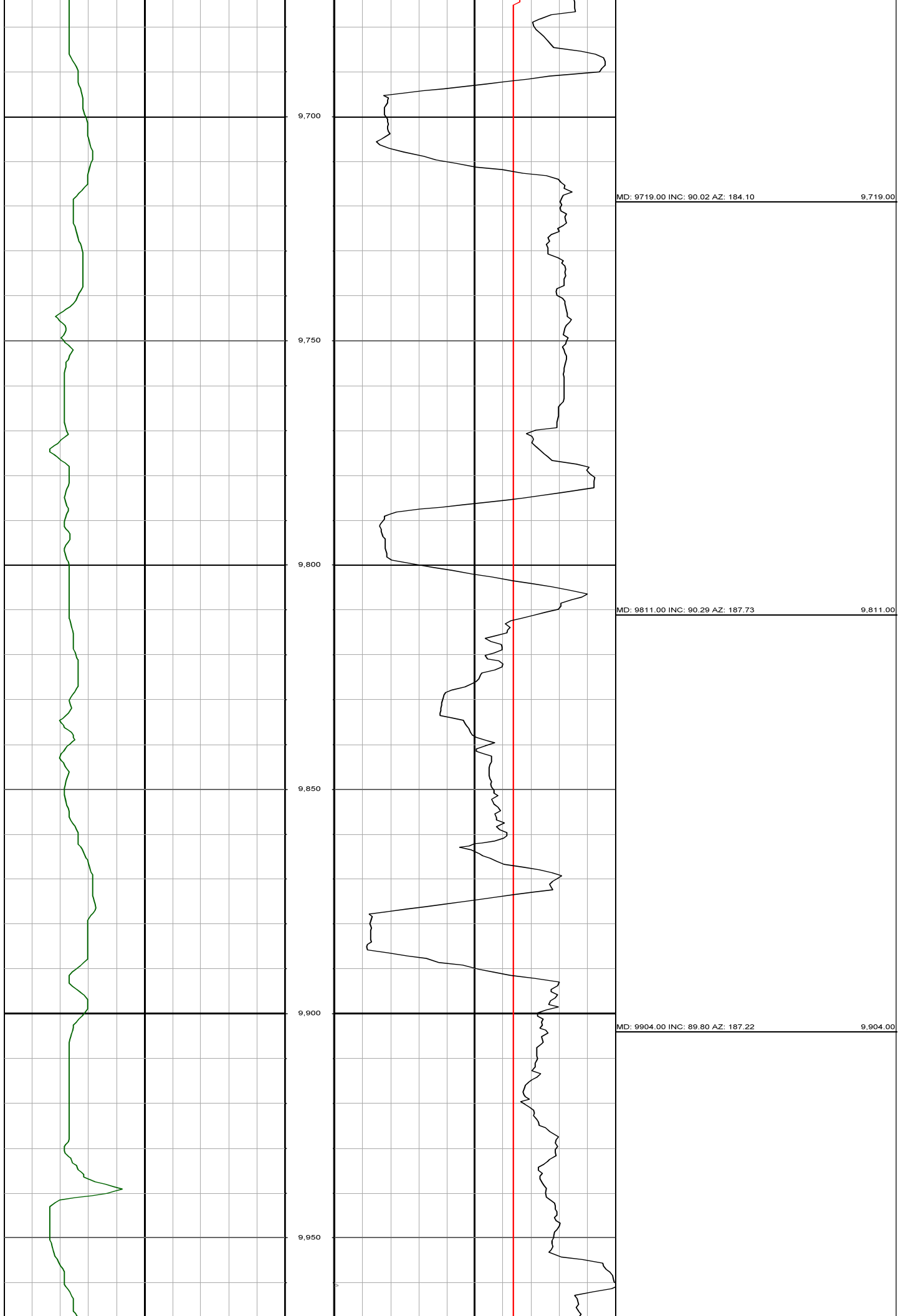


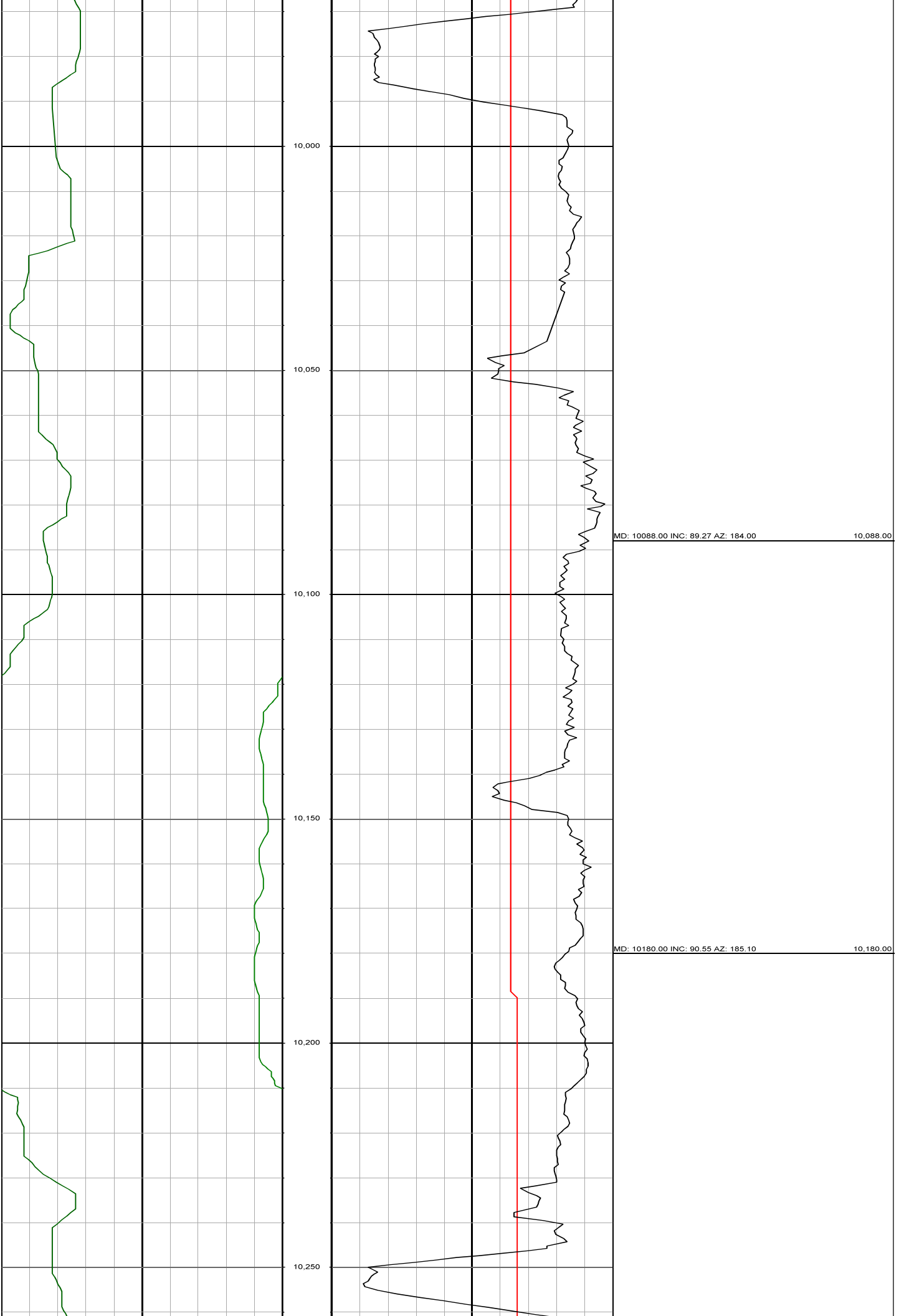


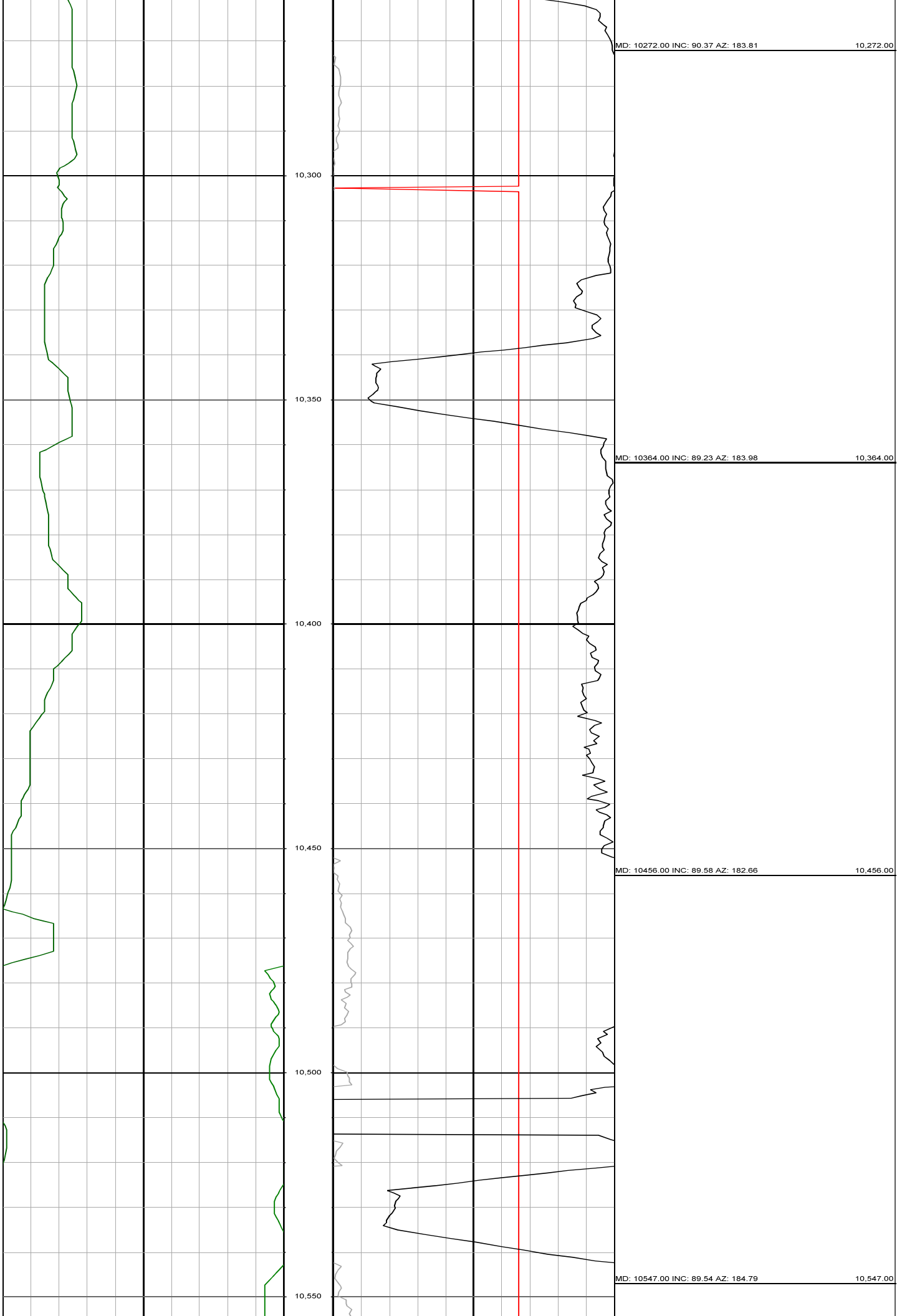


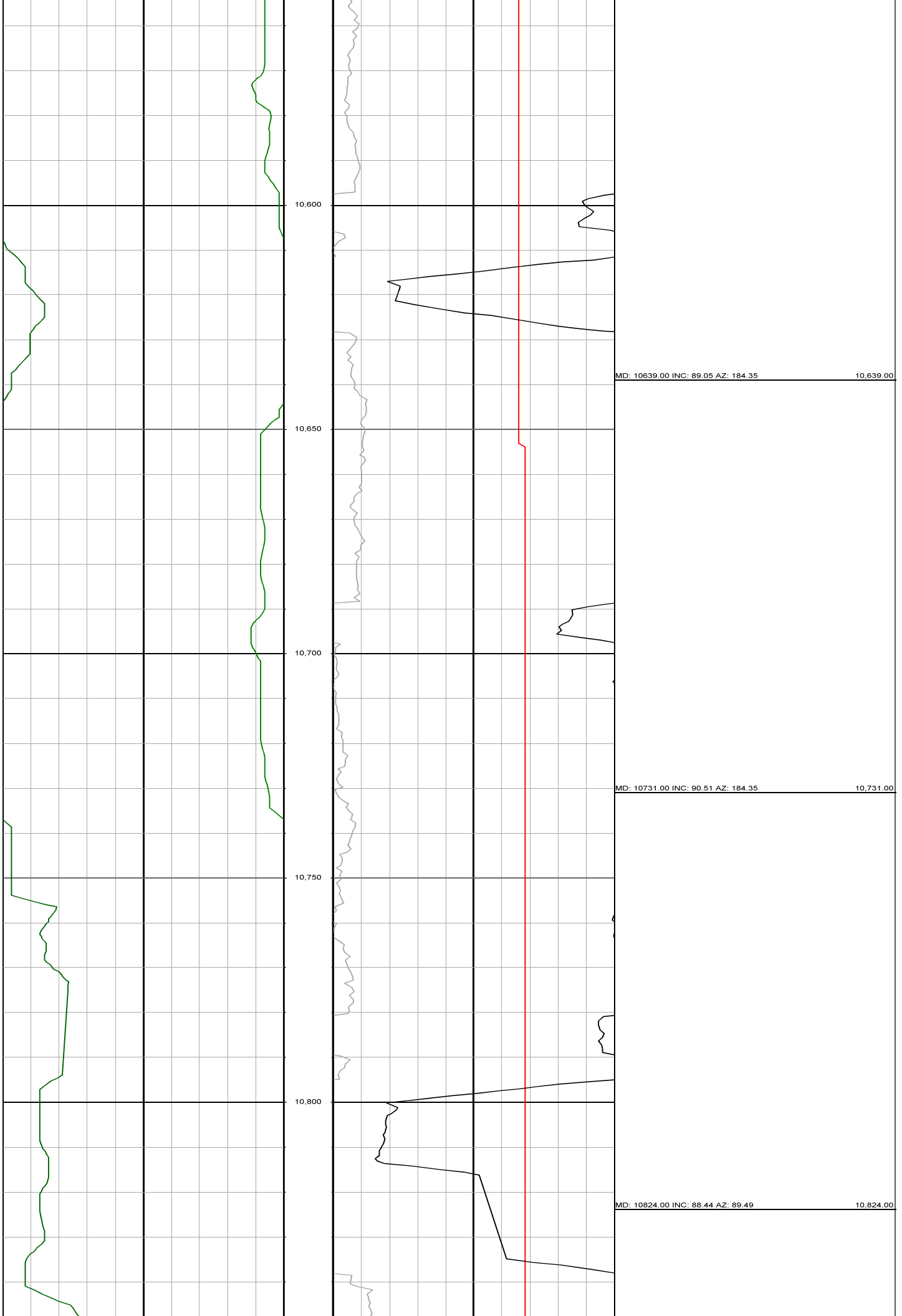


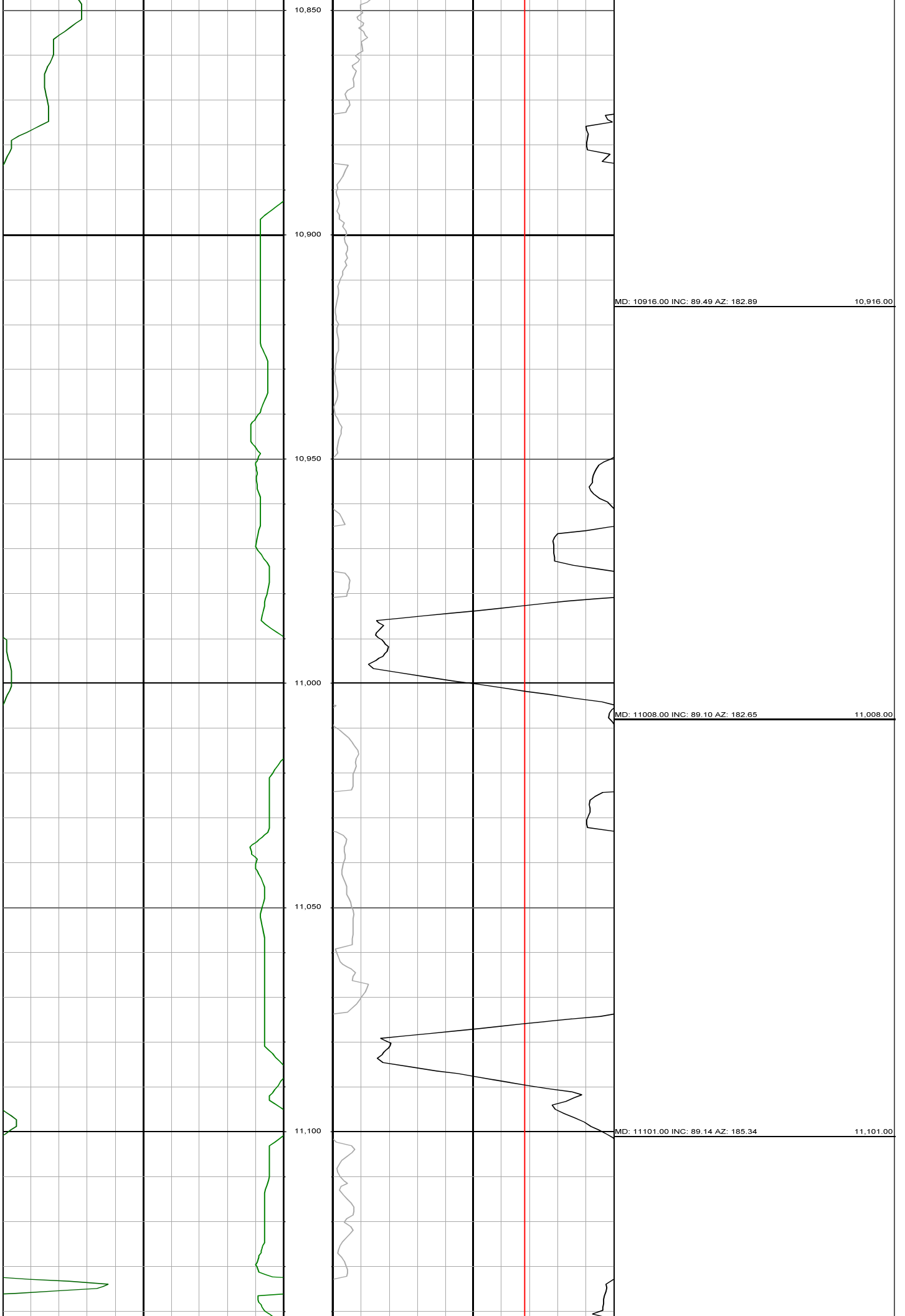


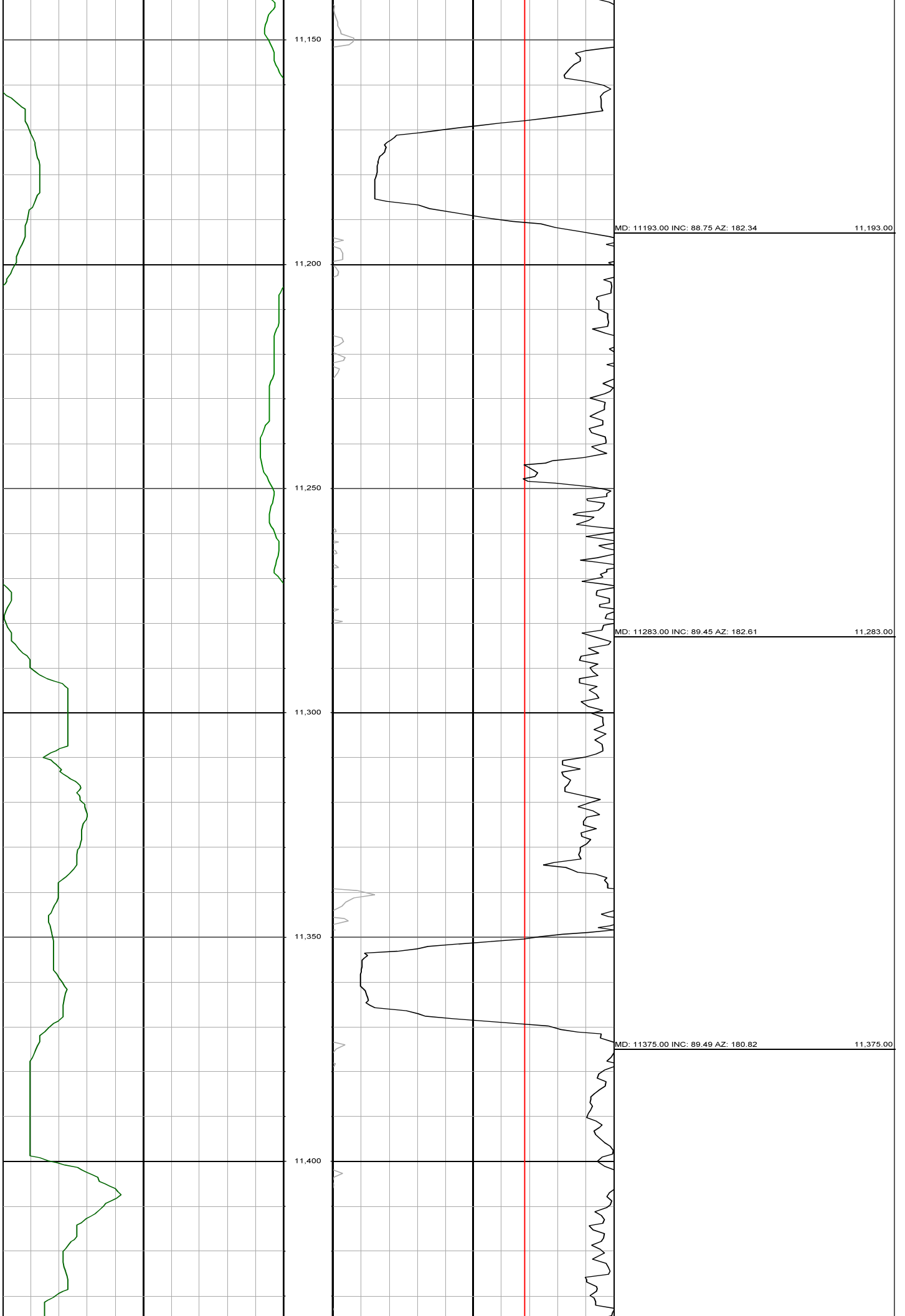




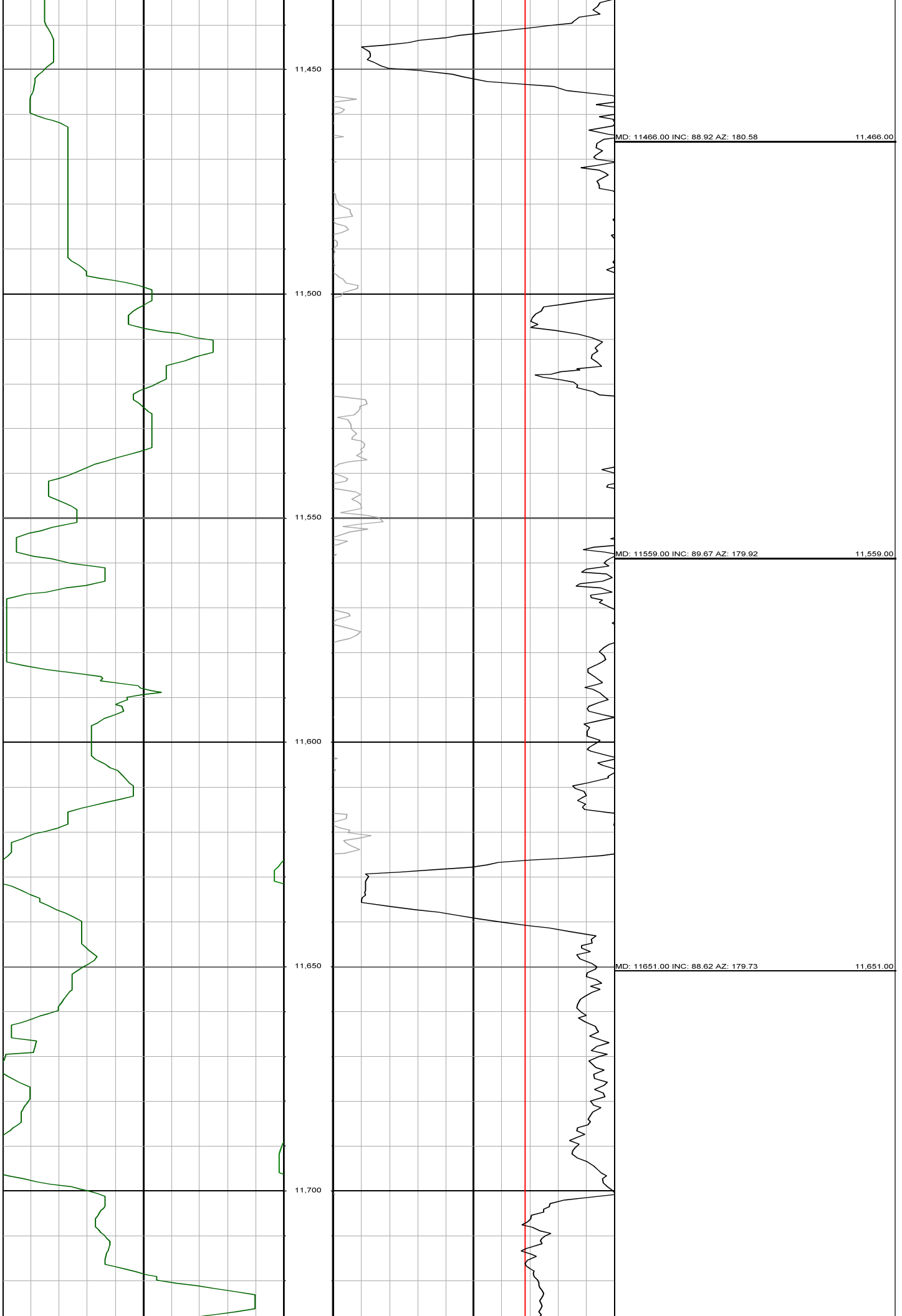


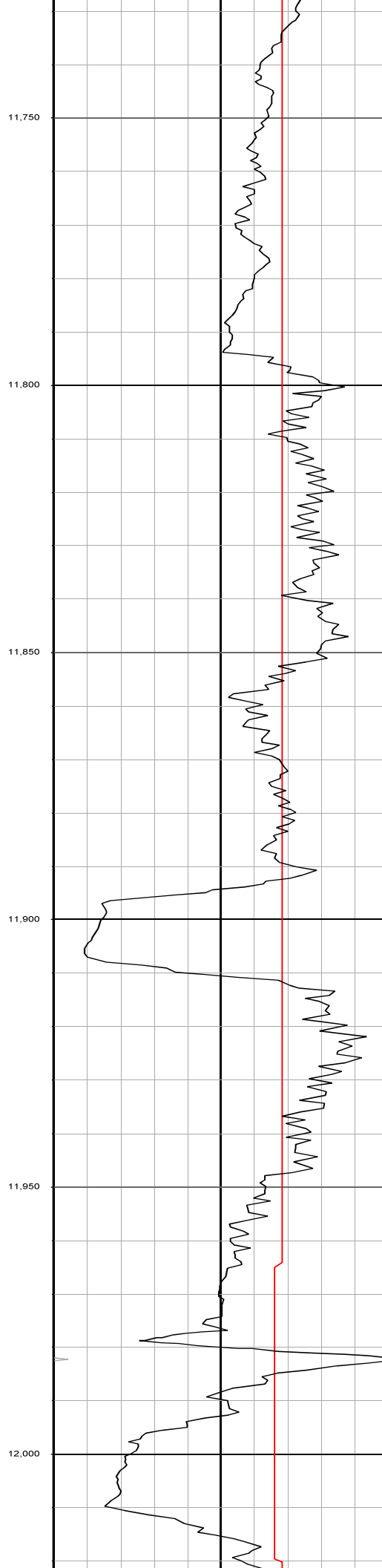
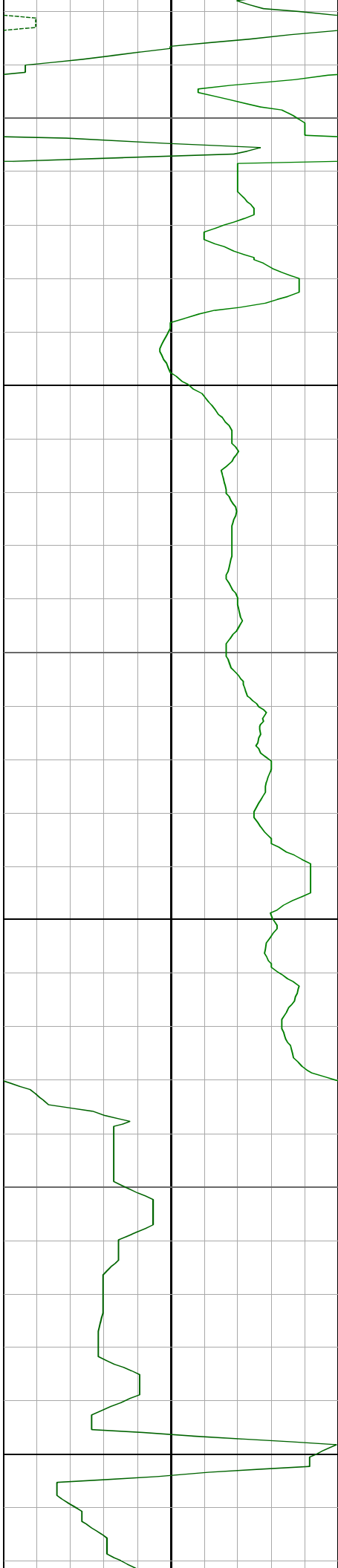












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