



5" = 100' FEET MD

COMPANY : ANADARKO E&P ONSHORE LLC
WELL : POWERS 35N-22HZ
FIELD : WATTENBERG
COUNTY : WELD
STATE : COLORADO
COUNTRY : U.S.A.
UWI : 05-123-41906

COMPANY : ANADARKO E&P ONSHORE LLC

WELL : POWERS 35N-22HZ

FIELD : WATTENBERG

COUNTY : WELD

STATE : COLORADO

COUNTRY : U.S.A.

UWI : 05-123-41906

WELL LOCATION

LAT:40.1293330°N LONG:104.6536970°W
N:14574017.91 ft E:1737216.03 ft

OTHER SERVICES	
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DIRECTIONAL
ROP

DEPTH REF. : RKB

REF. HEIGHT : 20.000 ft

RKB to Ground Level

GROUND LEVEL : 4883.000 ft

G.L. to MEAN SEA LEVEL

BOREHOLE RECORD

DEVIATION RECORD

HOLE SIZE in	FROM ft	TO ft	INCLINATION deg	FROM ft	TO ft
8.5	1884	12823	0-20	0	6668
			20-90	6668	8276
			90-92	8276	12823


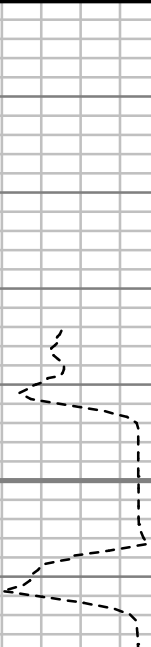
CASING RECORD

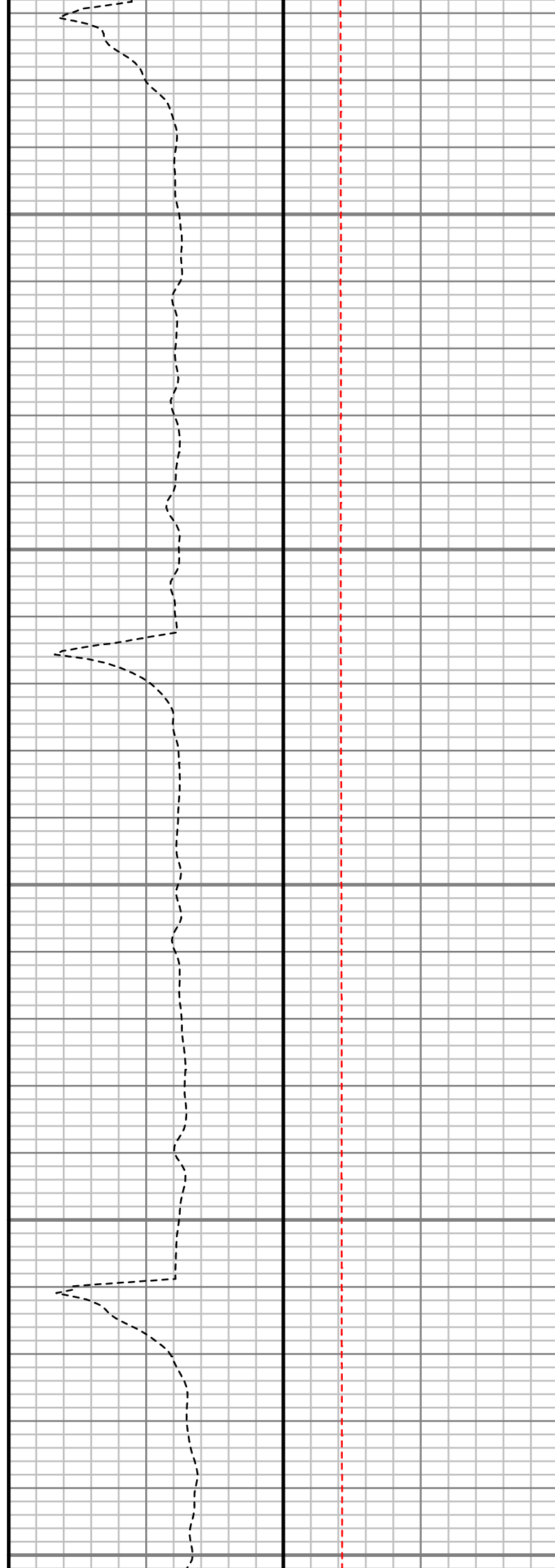
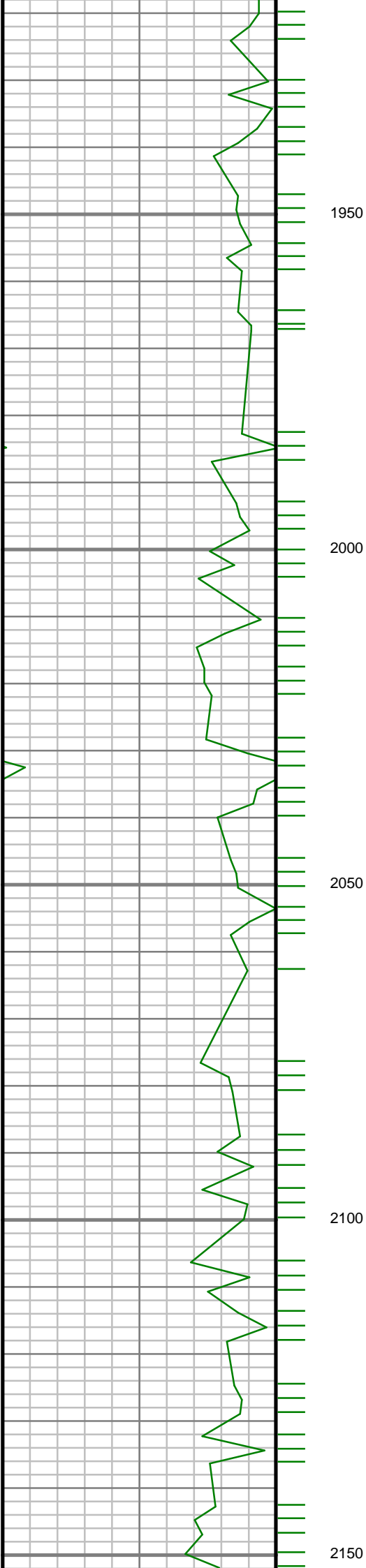
CASING SIZE	in	FROM	ft	TO	ft			
9.6875		0		1870				
						DRILLING CO. : PRECISION		
						RIG : 461		
						LWD UNIT NO. : MWD-00282-CDISTRICT : CASPER		
						SPUD DATE : 10/01/2015		
						LWD START DATE : 10/01/2015	DEPTH : 1884 ft	
						LWD END DATE : 10/03/2015	DEPTH : 12823 ft	
						TOTAL DEPTH : 12823 ft		

Run Data

[illegible]

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 interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions as set out in our current price schedule.

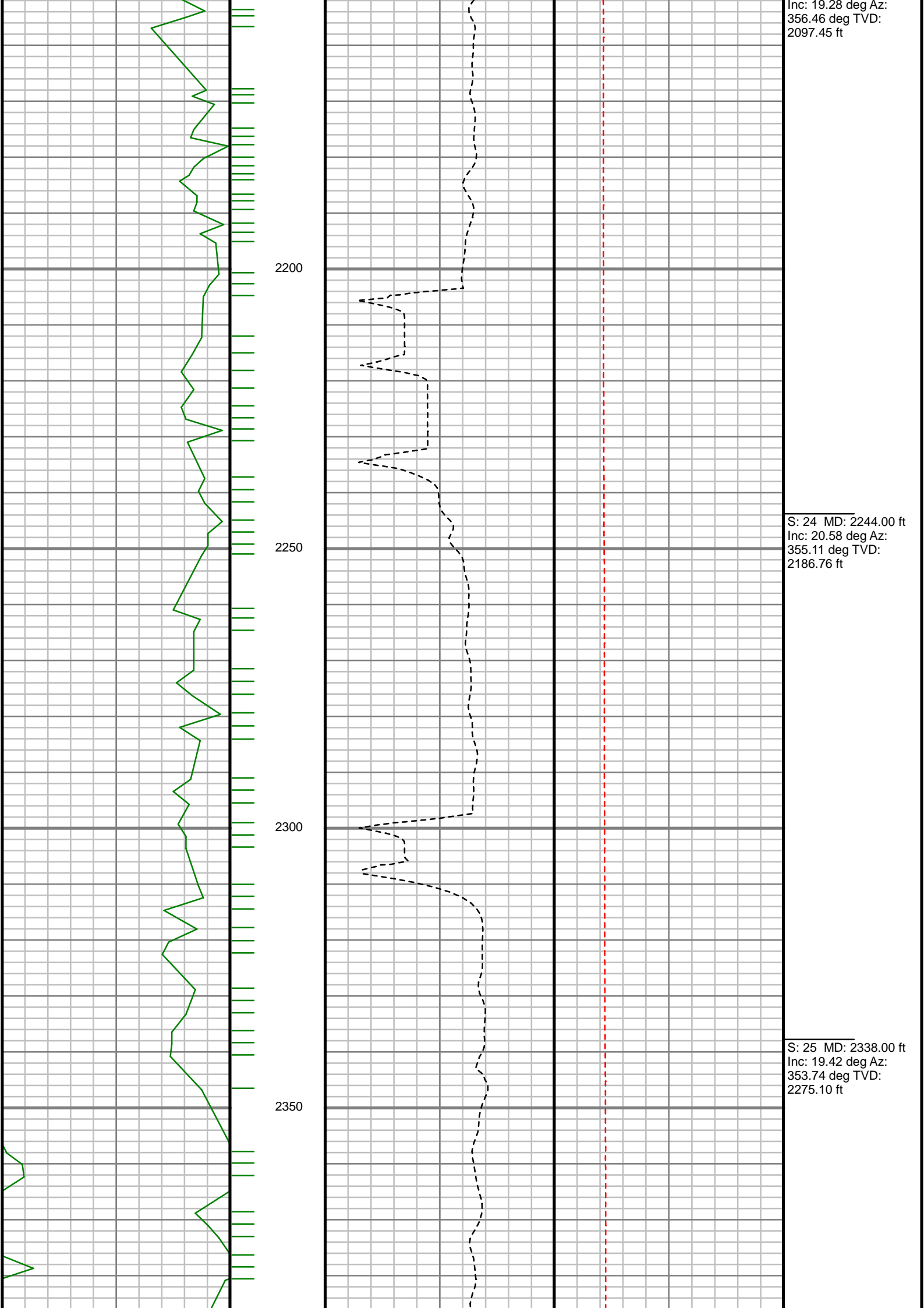
ANADARKO E&P ONSHORE LLC POWERS 35N-22HZ WATTENBERG FIELD WELD COUNTY, COLORADO 05-123-41906							
Gamma Ray (GR) Unit = aapi		MEASURED DEPTH 1:240 (ft)	Rate of Penetration (ROP) Unit = ft/hr		Tool Temperature (T-TEMP) Unit = °F		Comments
0	150		0	1000	50	300	
							

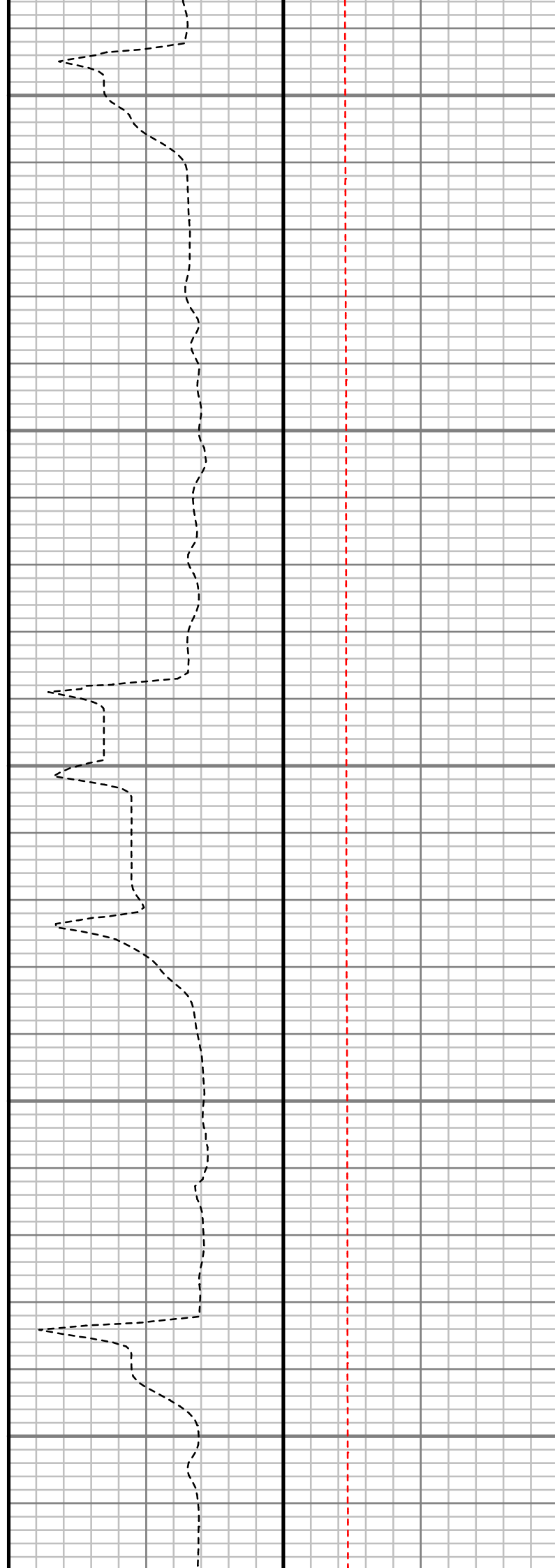
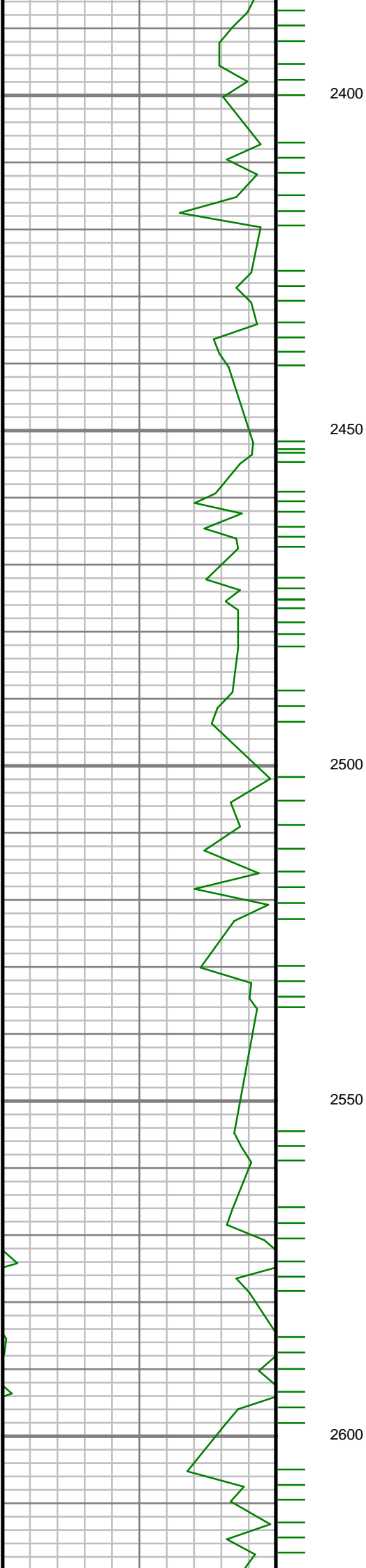


S: 21 MD: 1959.00 ft
Inc: 20.64 deg Az:
356.51 deg TVD:
1918.93 ft

S: 22 MD: 2054.00 ft
Inc: 20.08 deg Az:
357.31 deg TVD:
2008.00 ft

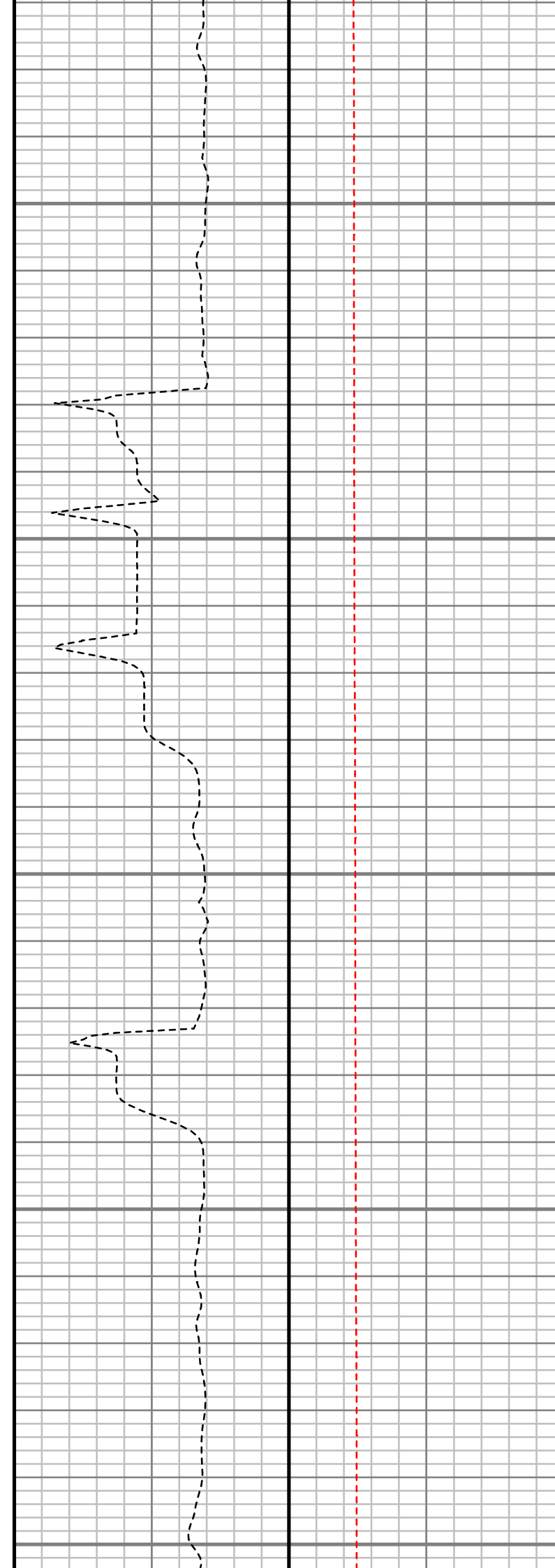
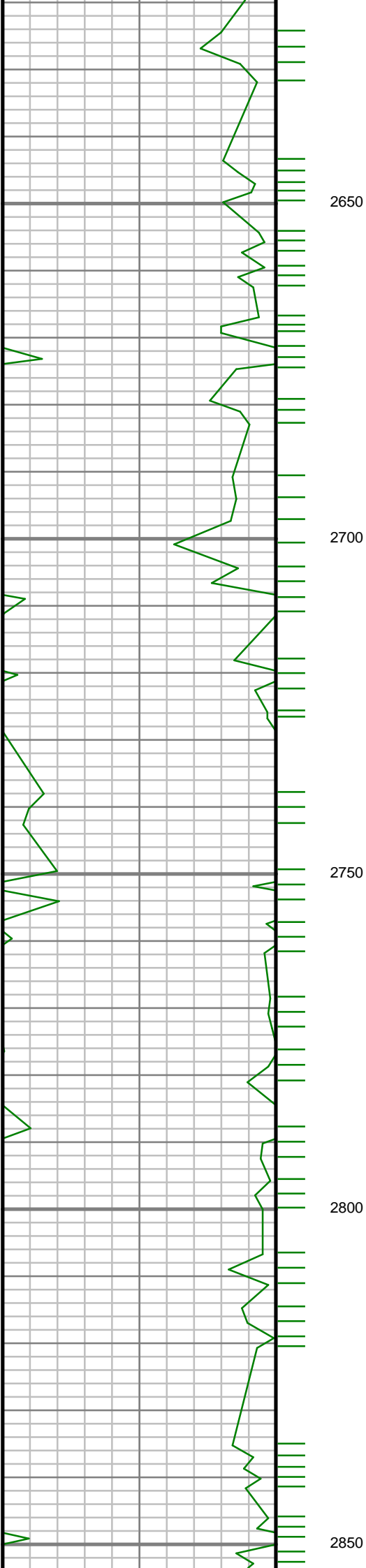
S: 23 MD: 2149.00 ft





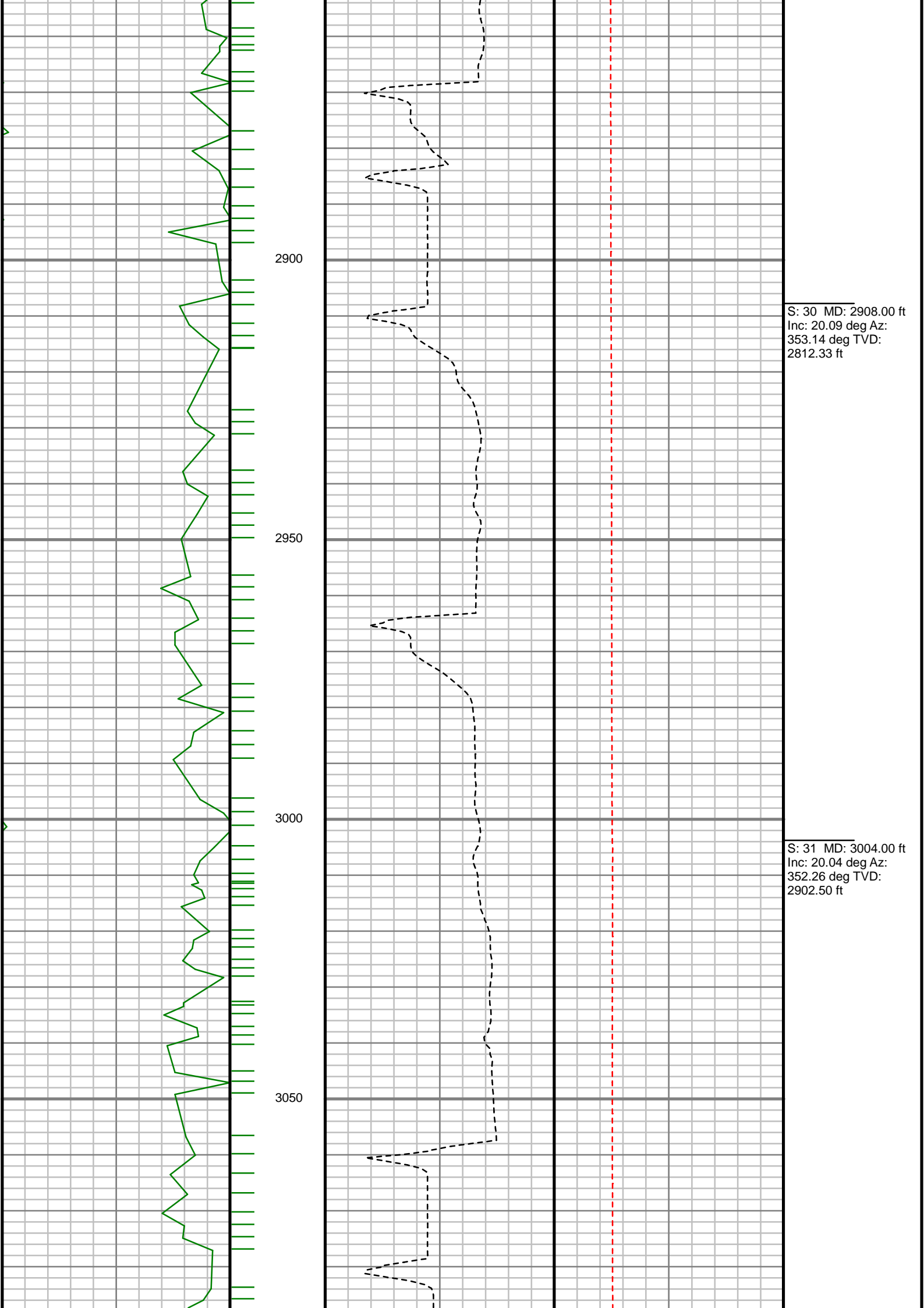
S: 26 MD: 2433.00 ft
Inc: 18.42 deg Az:
353.13 deg TVD:
2364.96 ft

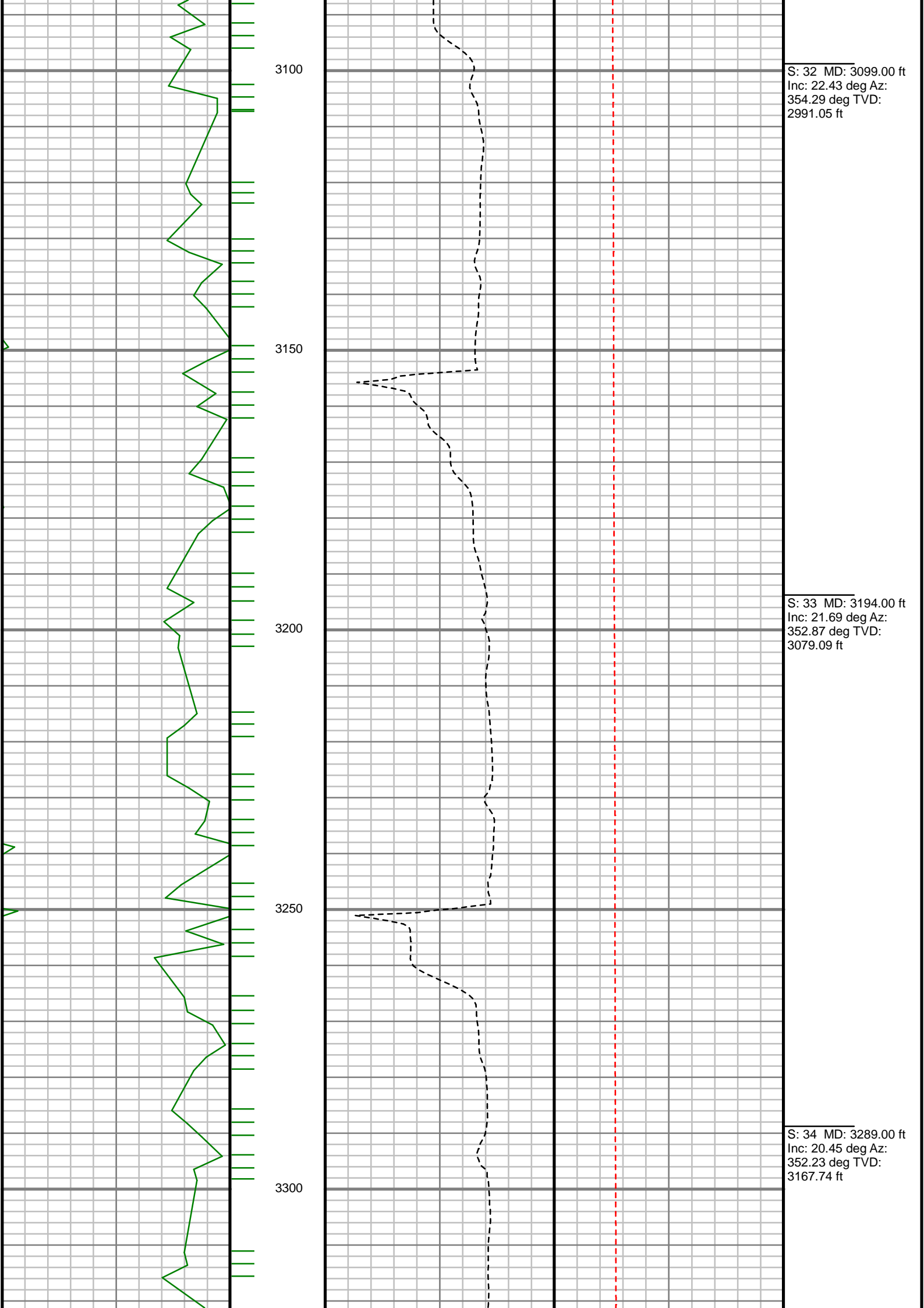
S: 27 MD: 2528.00 ft
Inc: 20.24 deg Az:
350.64 deg TVD:
2454.61 ft

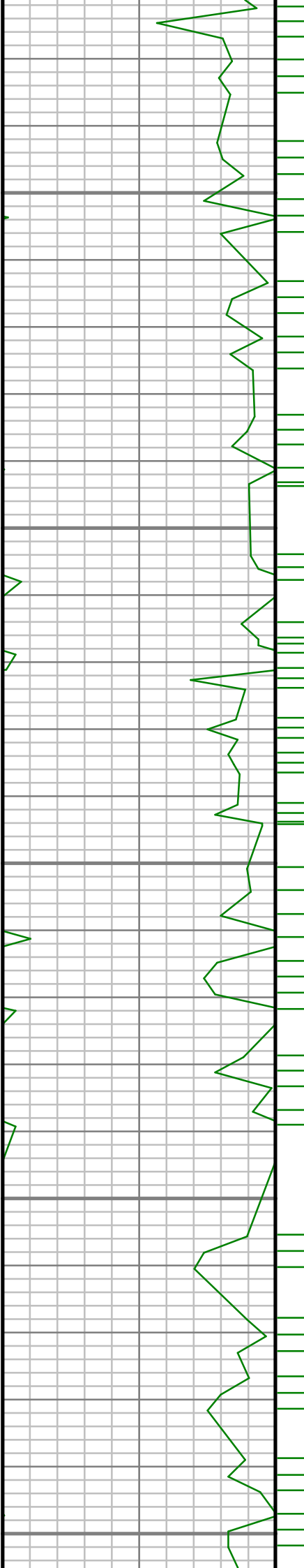


S: 28 MD: 2624.00 ft
Inc: 18.91 deg Az:
348.85 deg TVD:
2545.05 ft

S: 29 MD: 2718.00 ft
Inc: 19.82 deg Az:
352.87 deg TVD:
2633.74 ft







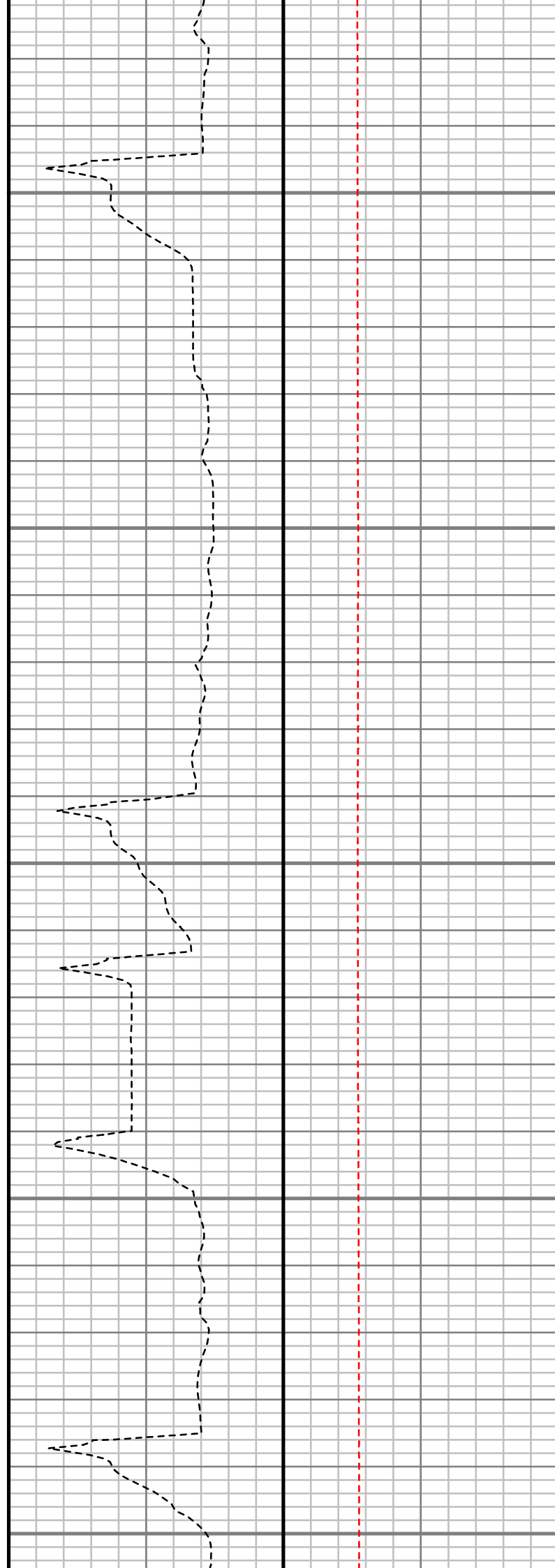
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3400

3450

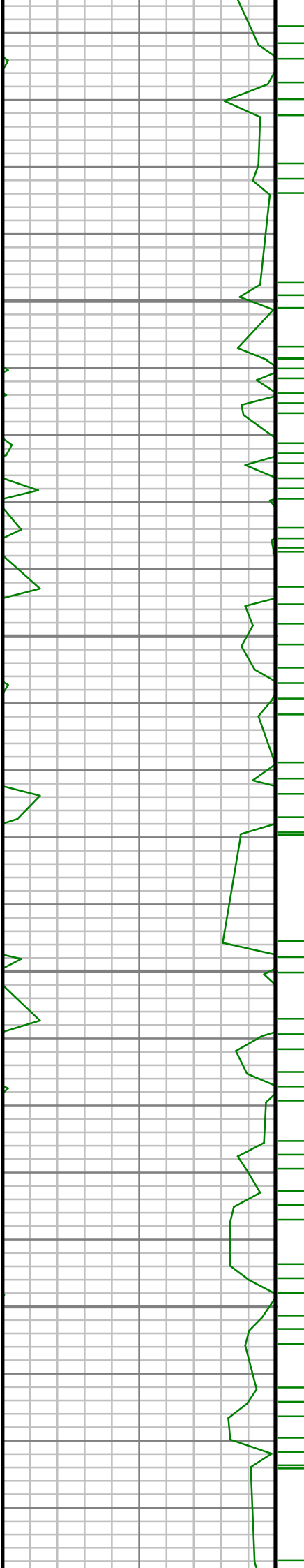
3500

3550



S: 35 MD: 3385.00 ft
Inc: 18.67 deg Az:
350.89 deg TVD:
3258.19 ft

S: 36 MD: 3479.00 ft
Inc: 19.89 deg Az:
352.19 deg TVD:
3346.92 ft

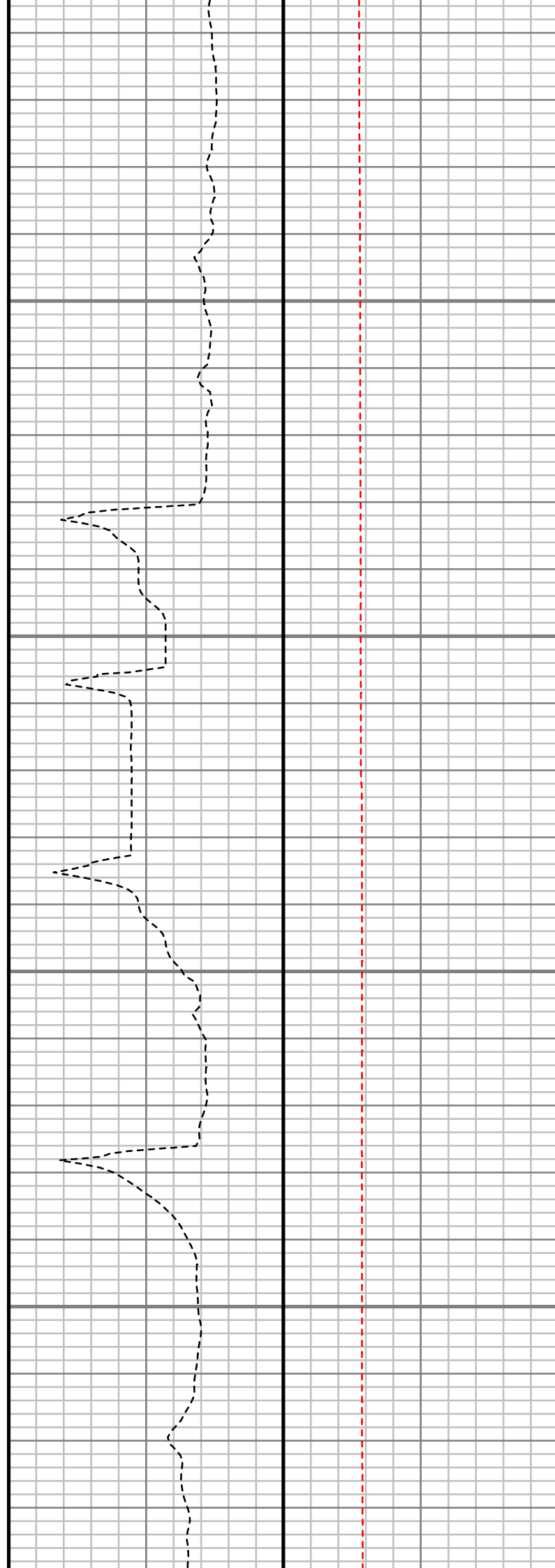


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3650

3700

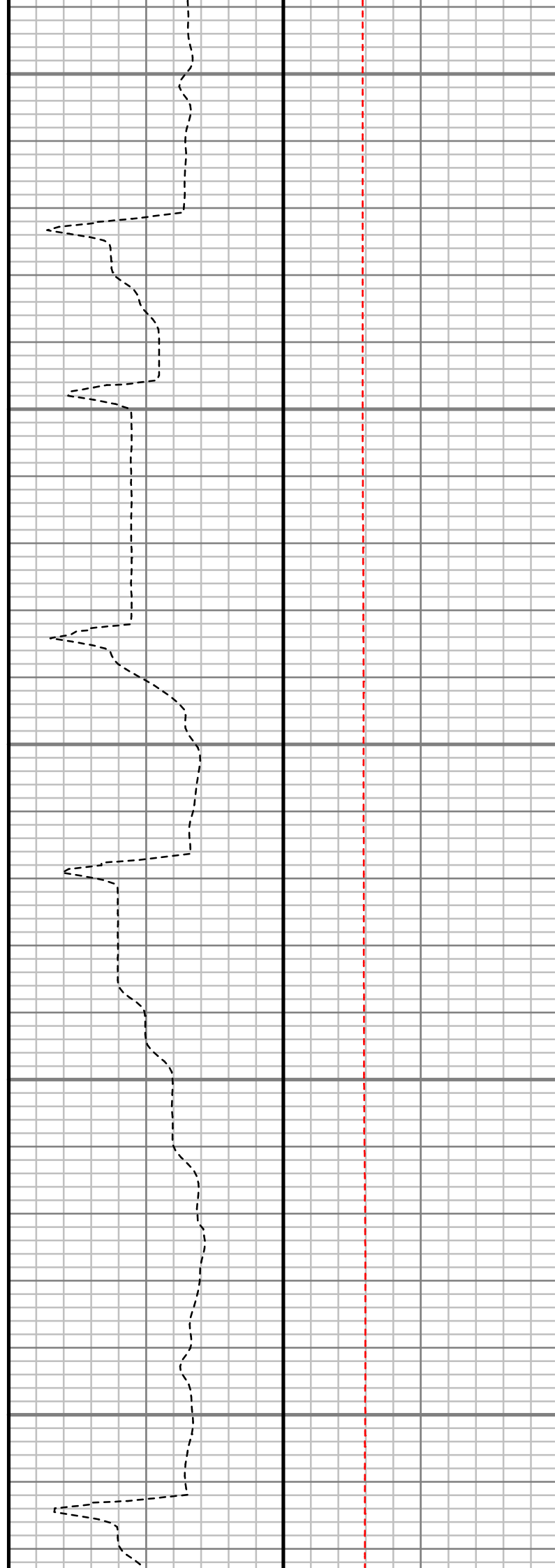
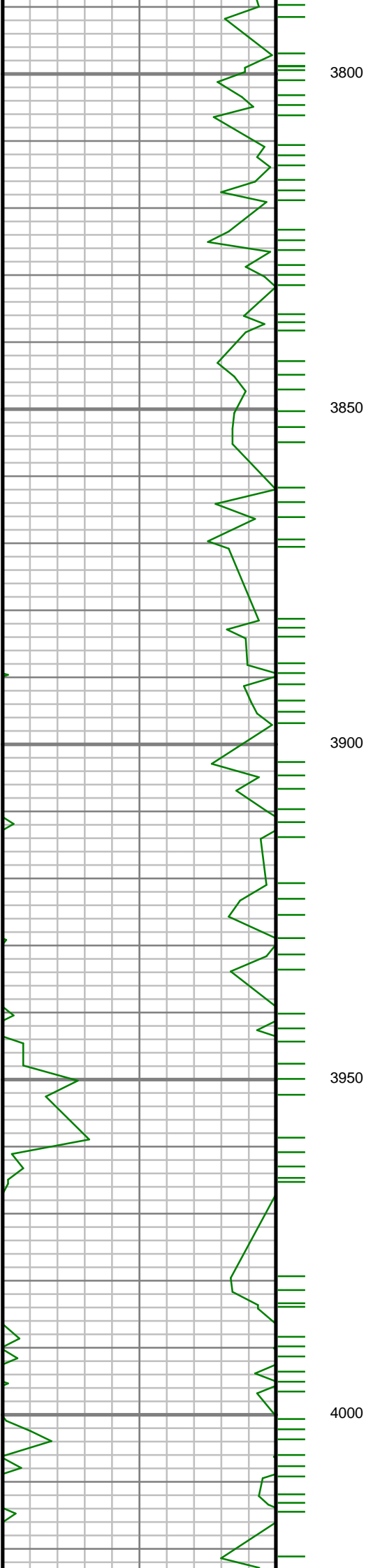
3750



S: 37 MD: 3575.00 ft
Inc: 19.02 deg Az:
353.38 deg TVD:
3437.44 ft

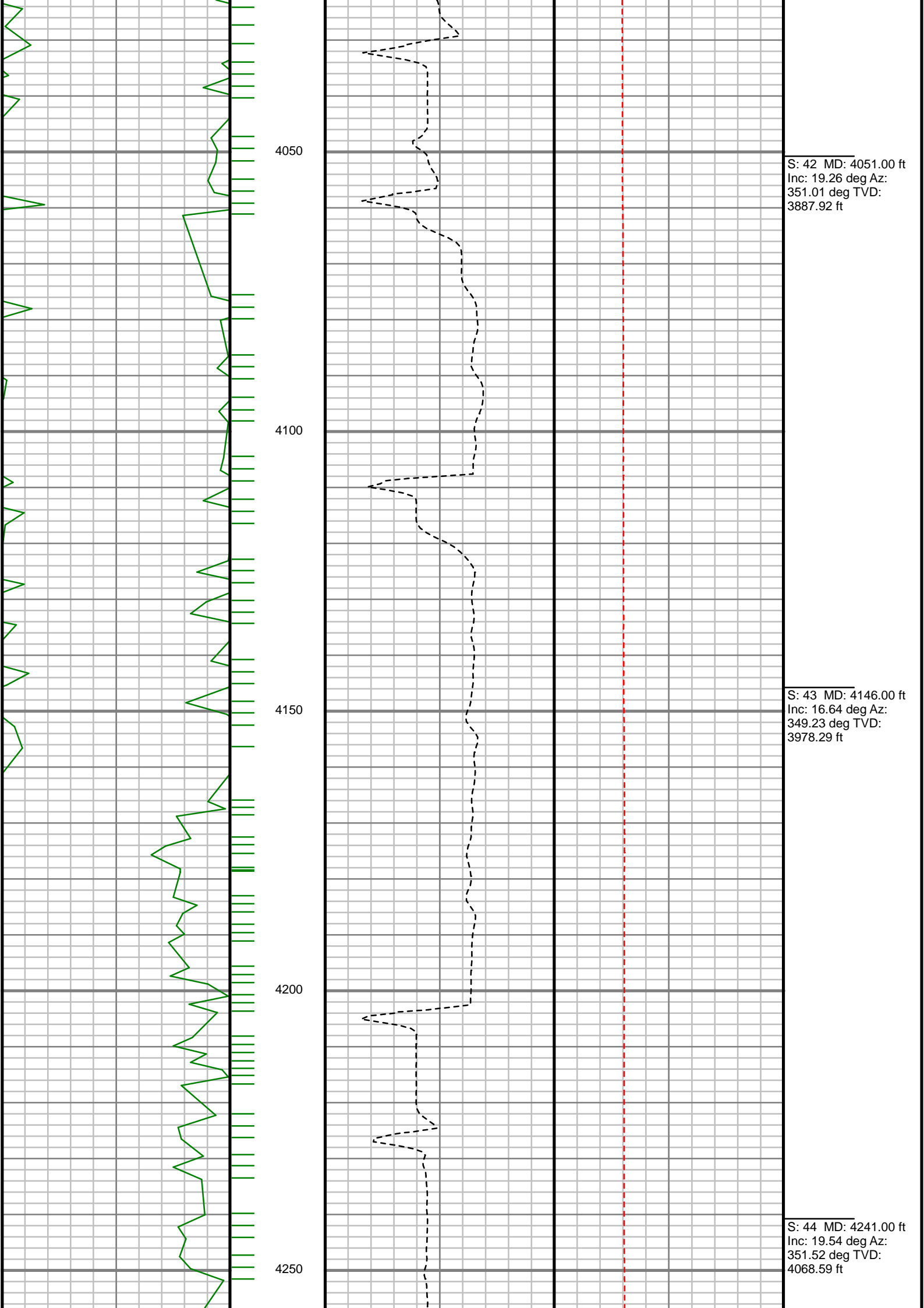
S: 38 MD: 3670.00 ft
Inc: 18.97 deg Az:
352.51 deg TVD:
3527.27 ft

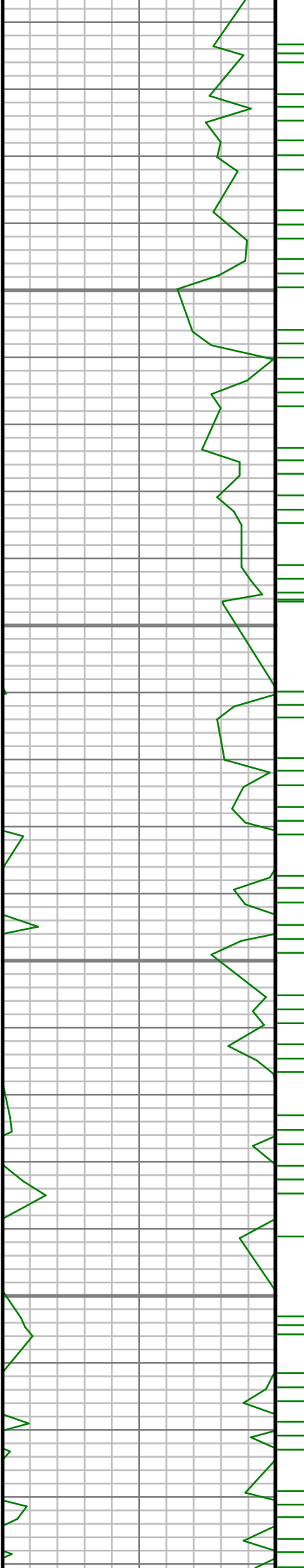
S: 39 MD: 3765.00 ft
Inc: 18.11 deg Az:
349.30 deg TVD:
3617.34 ft



S: 40 MD: 3860.00 ft
Inc: 18.79 deg Az:
349.17 deg TVD:
3707.45 ft

S: 41 MD: 3955.00 ft
Inc: 19.20 deg Az:
351.39 deg TVD:
3797.28 ft



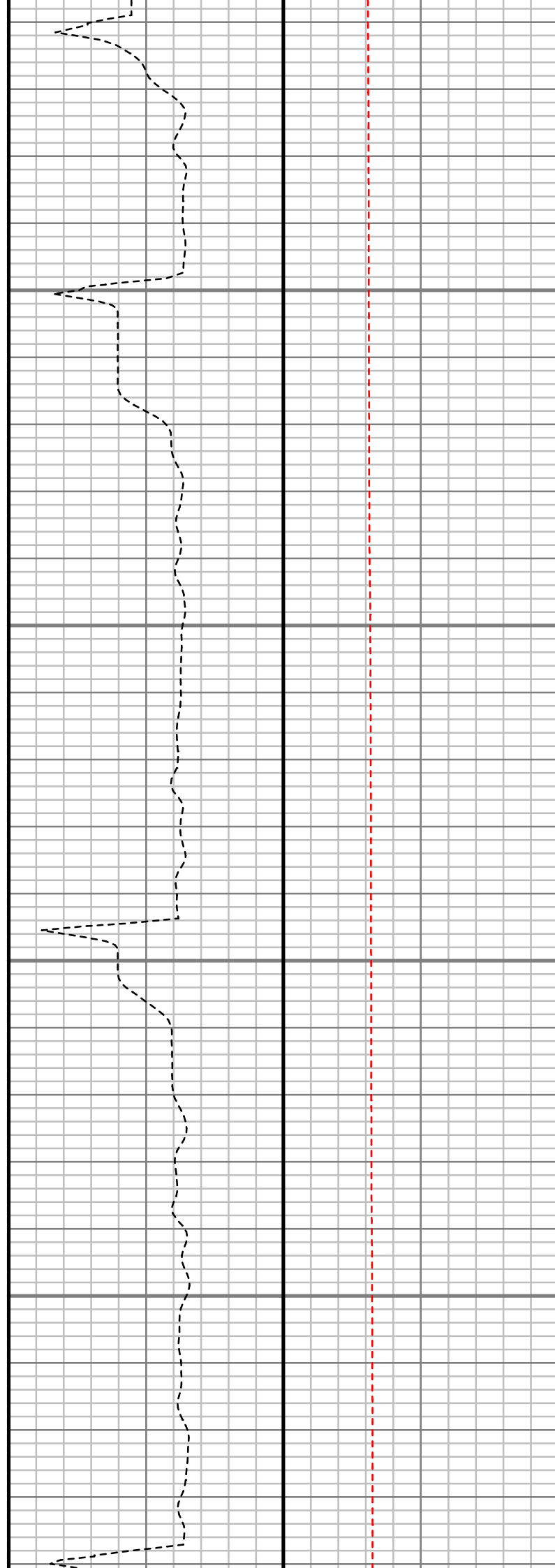


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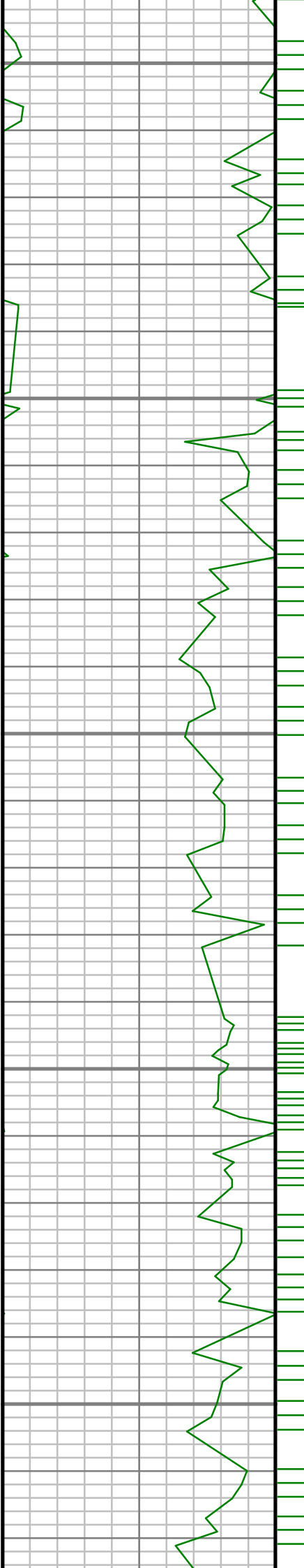
4400

4450



S: 45 MD: 4336.00 ft
Inc: 21.35 deg Az:
353.03 deg TVD:
4157.60 ft

S: 46 MD: 4431.00 ft
Inc: 18.82 deg Az:
349.82 deg TVD:
4246.82 ft



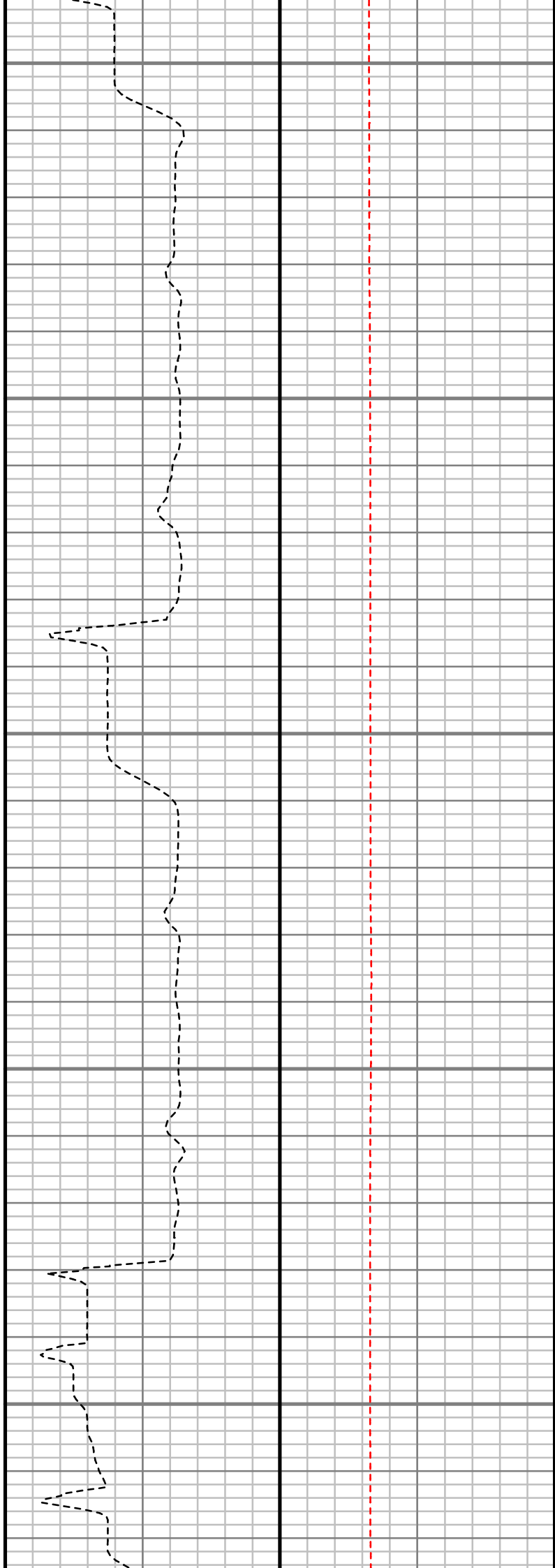
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4600

4650

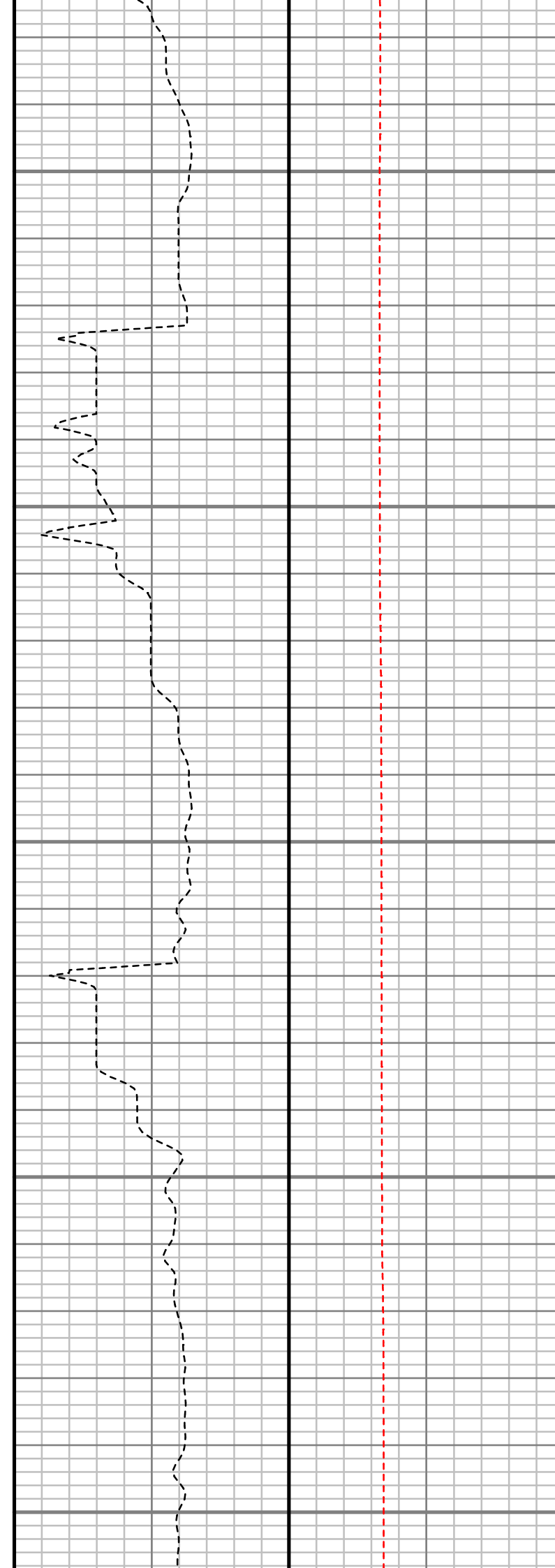
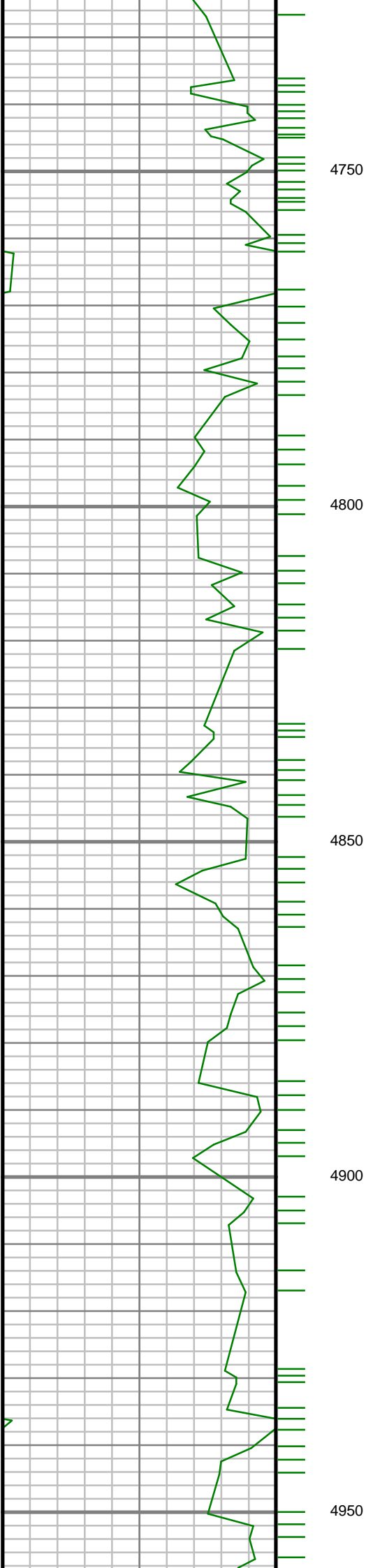
4700



S: 47 MD: 4526.00 ft
Inc: 15.68 deg Az:
344.32 deg TVD:
4337.54 ft

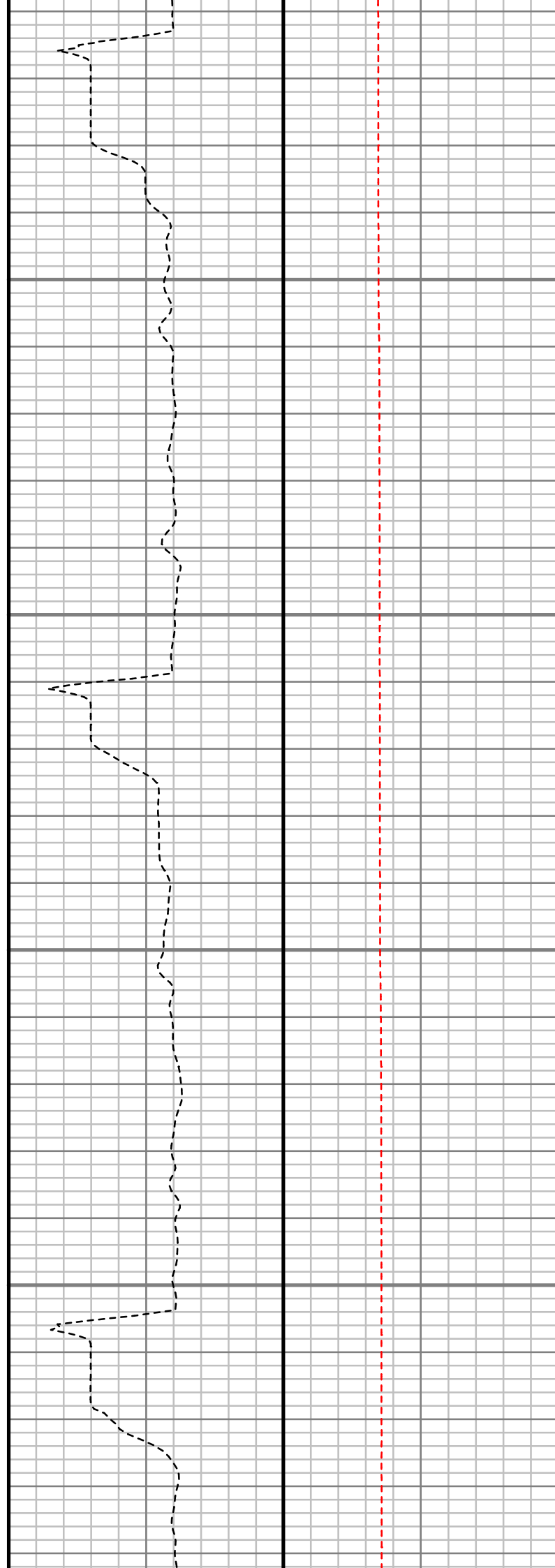
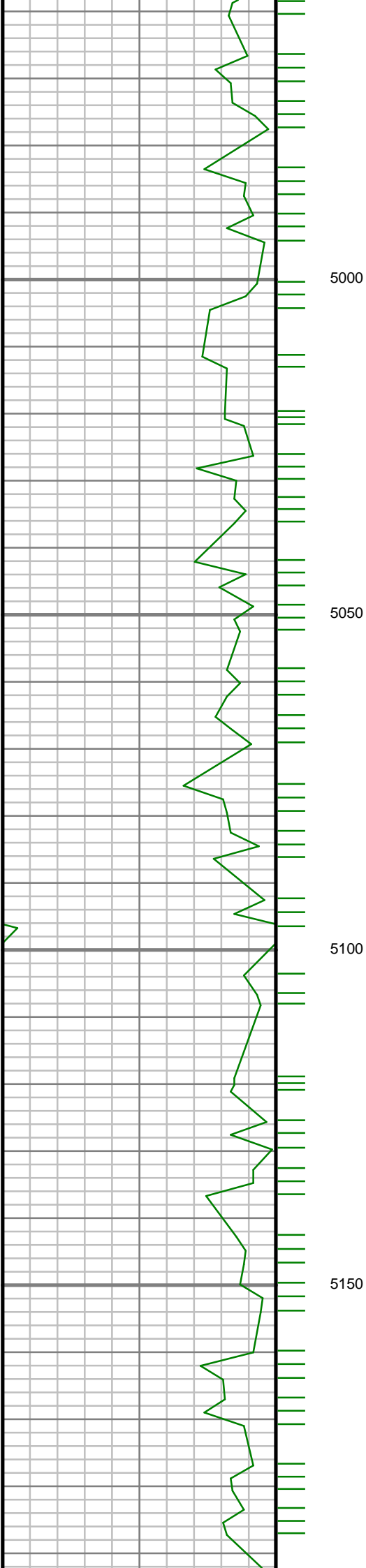
S: 48 MD: 4621.00 ft
Inc: 15.09 deg Az:
340.72 deg TVD:
4429.14 ft

S: 49 MD: 4716.00 ft
Inc: 12.72 deg Az:
349.81 deg TVD:
4521.26 ft



S: 50 MD: 4811.00 ft
Inc: 13.07 deg Az:
356.06 deg TVD:
4613.97 ft

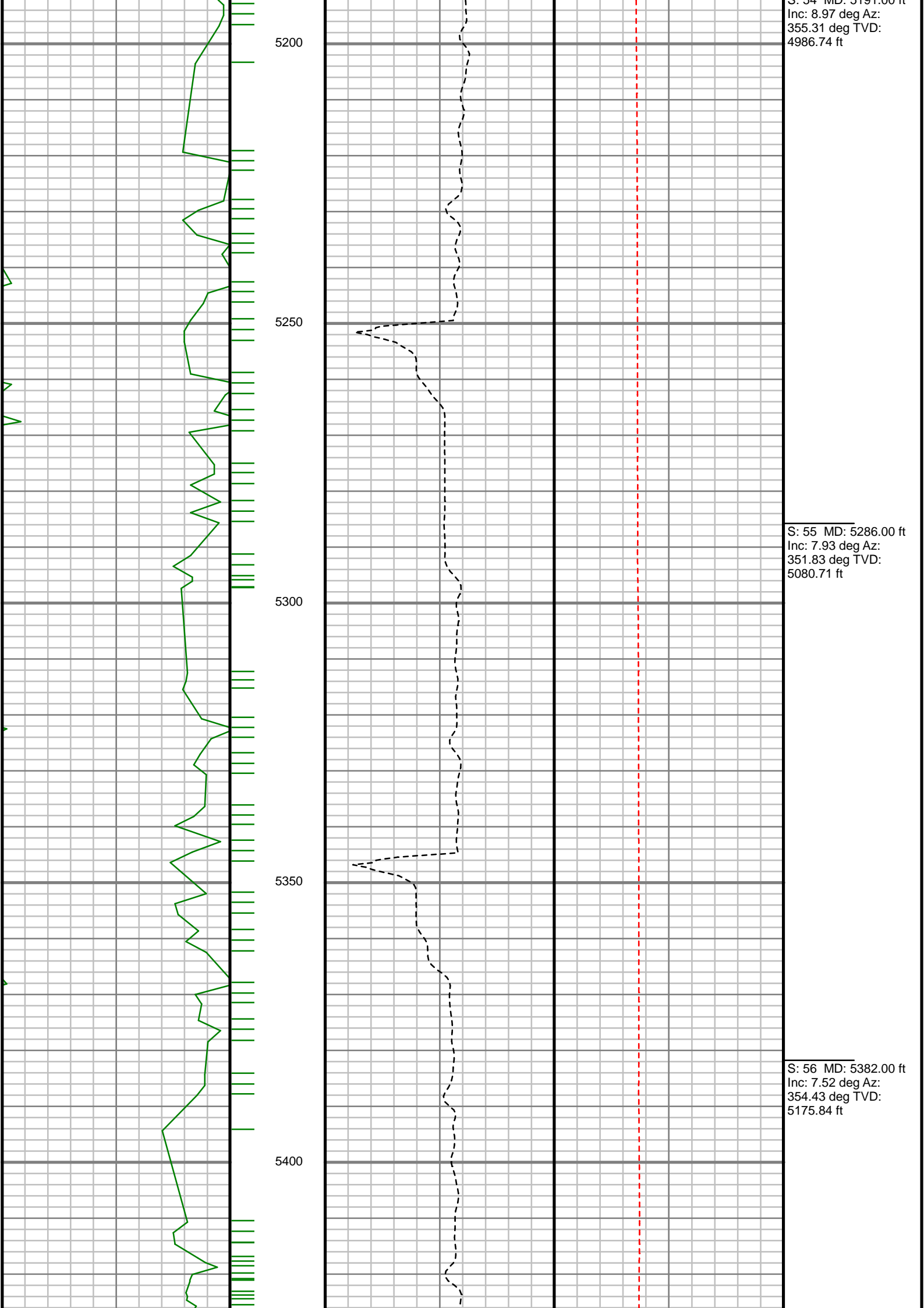
S: 51 MD: 4906.00 ft
Inc: 12.40 deg Az:
356.37 deg TVD:
4706.63 ft

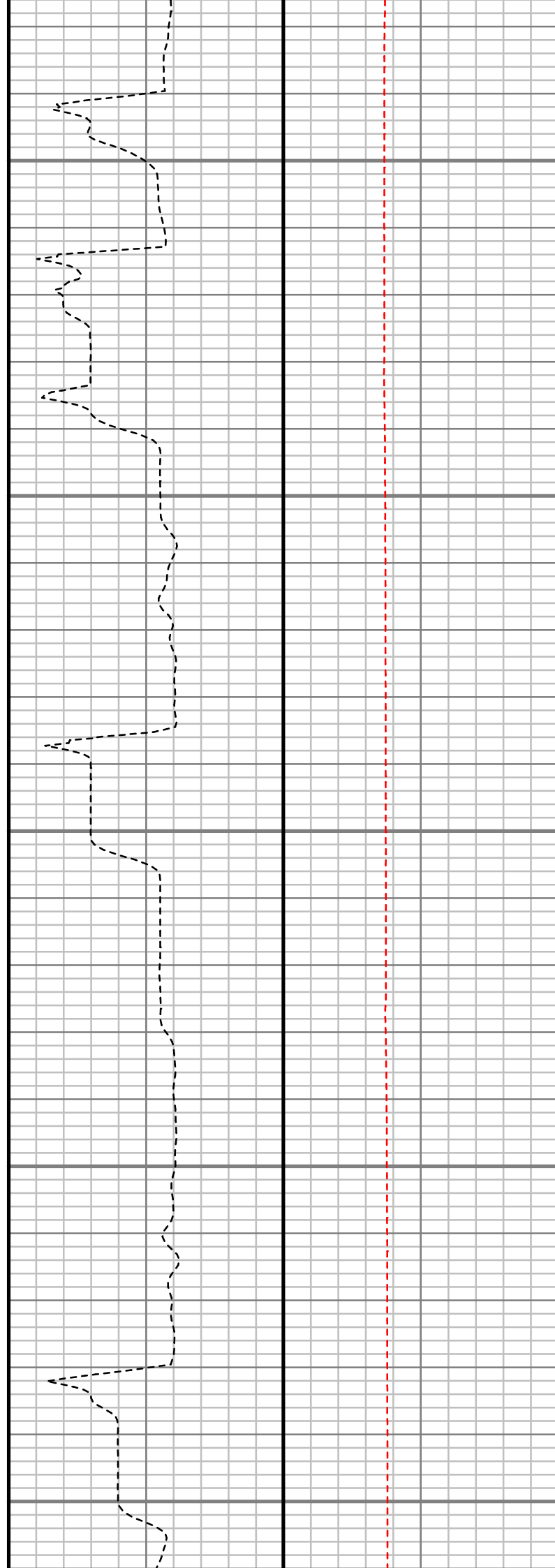
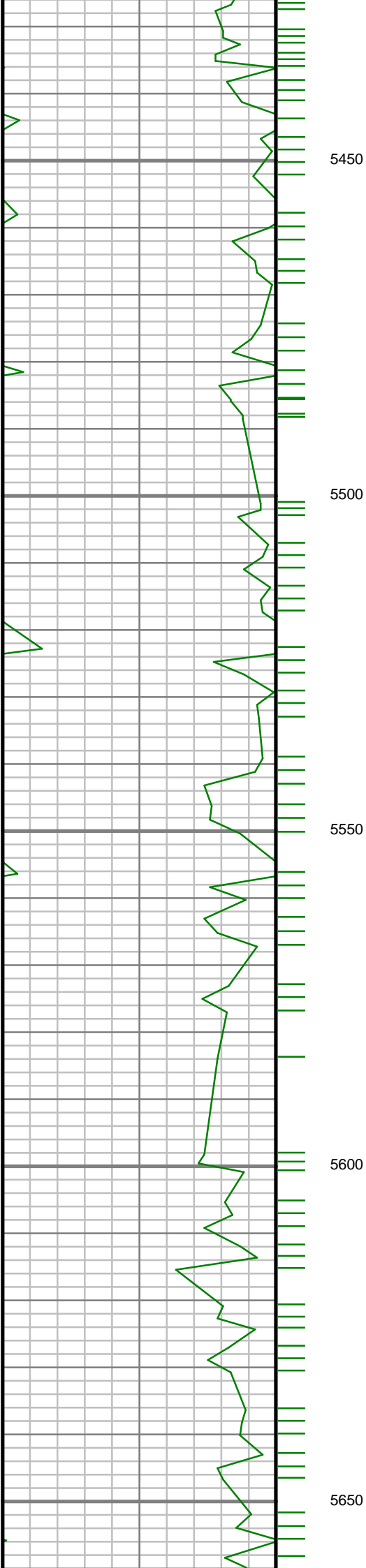


S: 52 MD: 5001.00 ft
Inc: 11.19 deg Az:
356.84 deg TVD:
4799.62 ft

S: 53 MD: 5097.00 ft
Inc: 9.85 deg Az:
357.53 deg TVD:
4894.00 ft

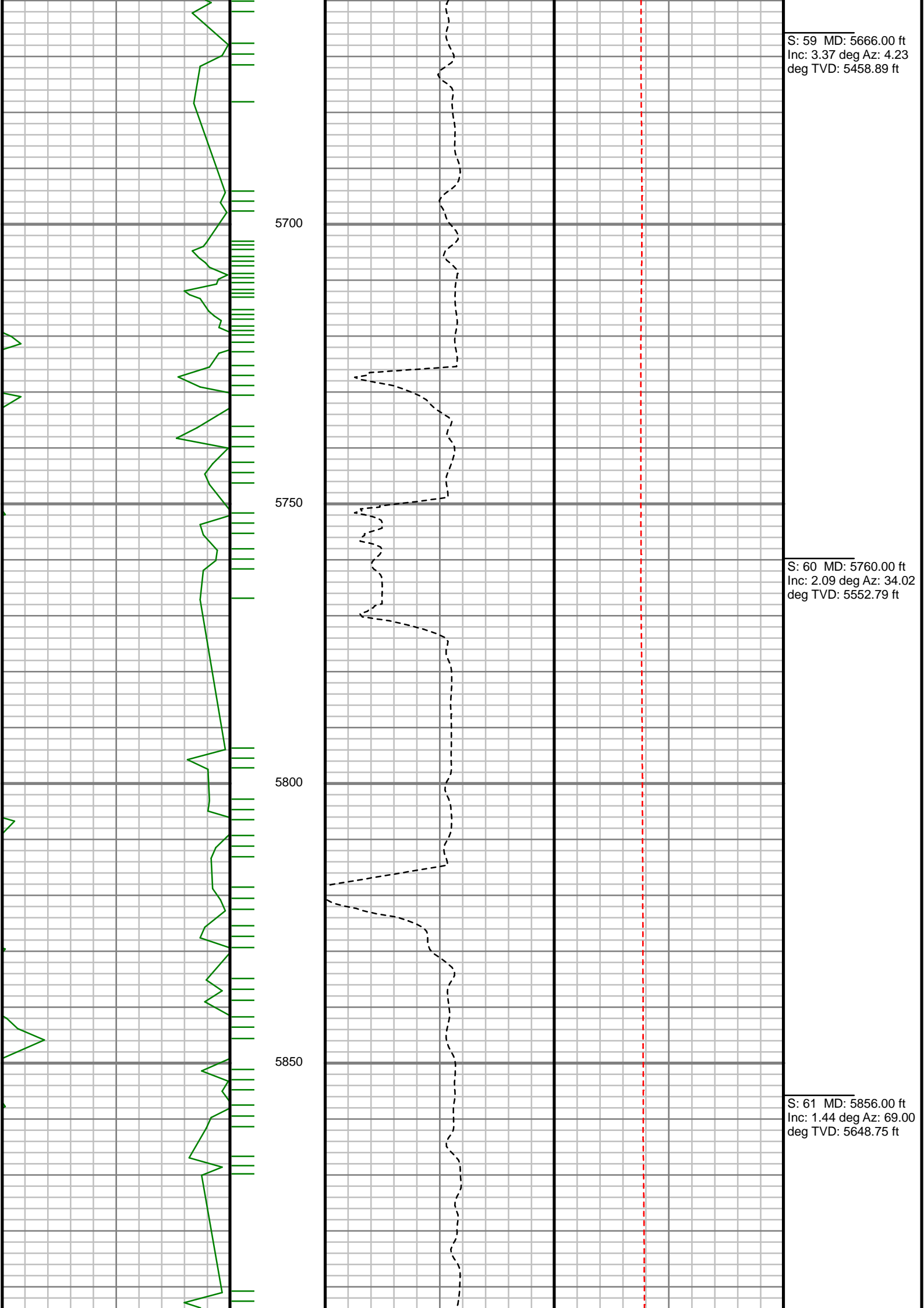
S: 54 MD: 5191.00 ft

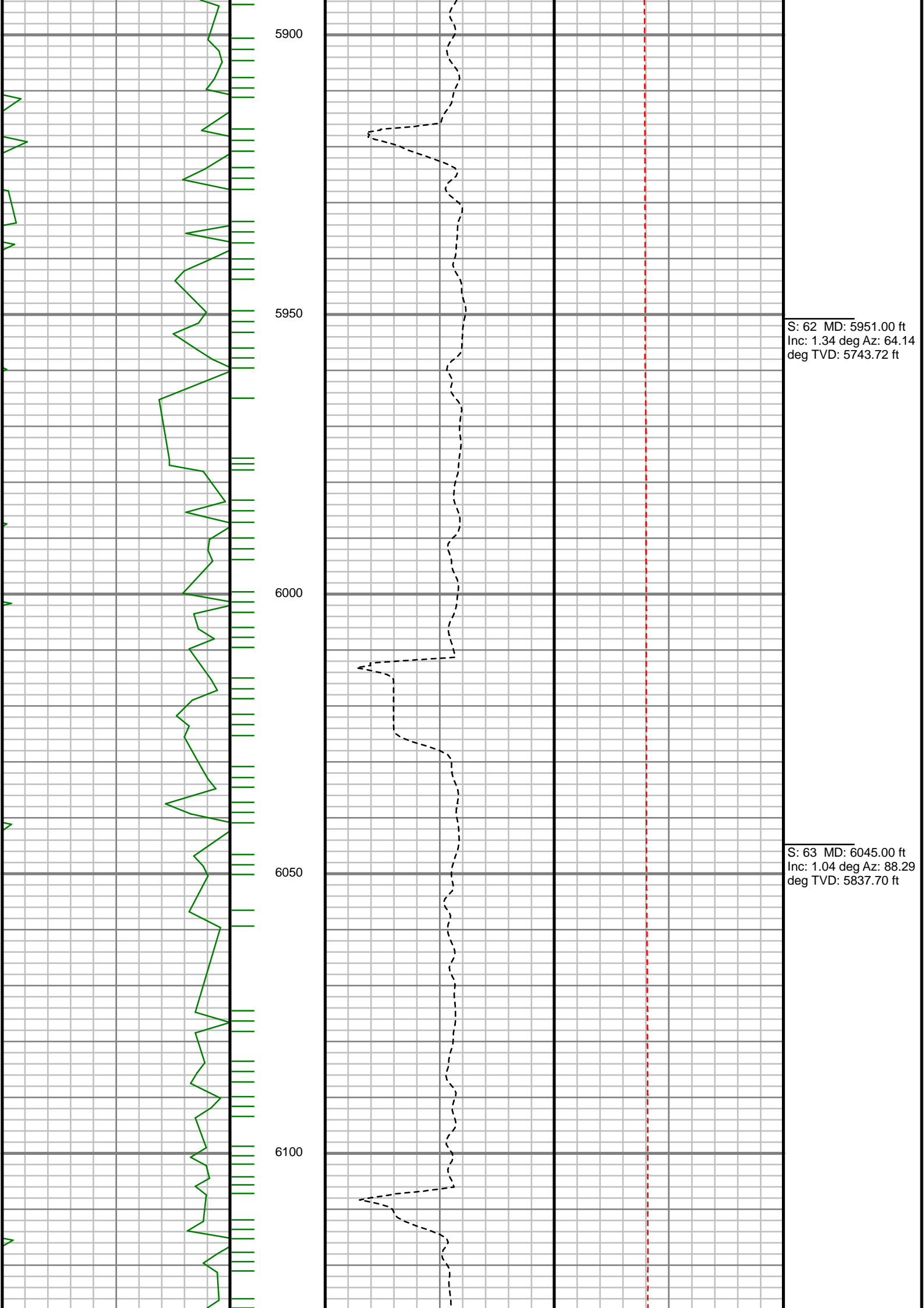


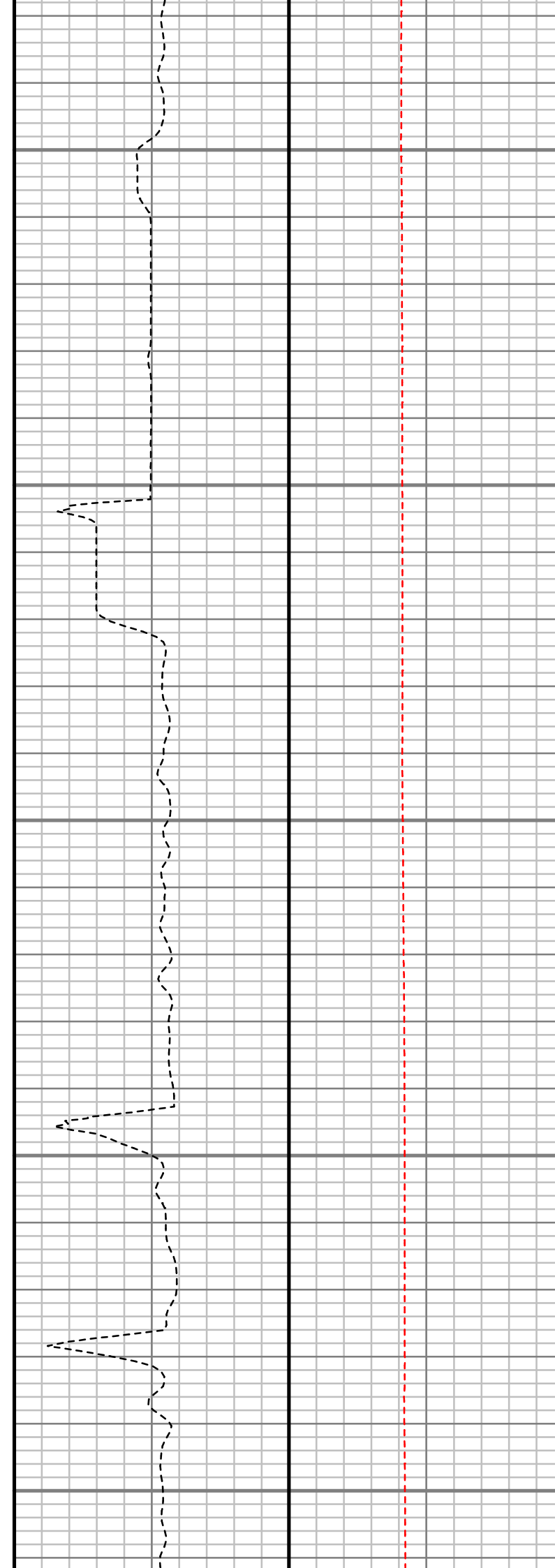
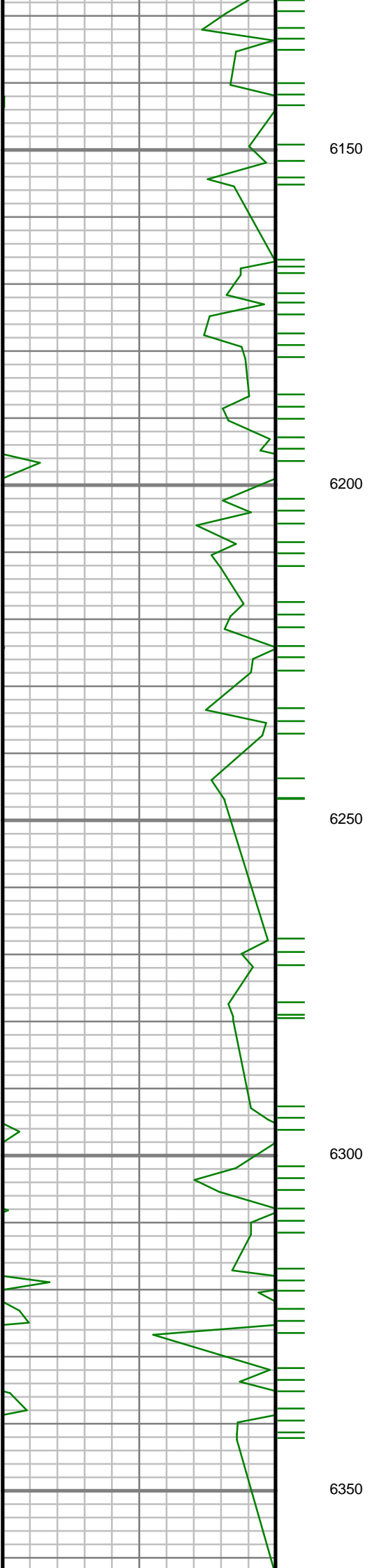


S: 57 MD: 5476.00 ft
Inc: 4.54 deg Az: 1.47
deg TVD: 5269.31 ft

S: 58 MD: 5570.00 ft
Inc: 3.57 deg Az: 7.51
deg TVD: 5363.07 ft



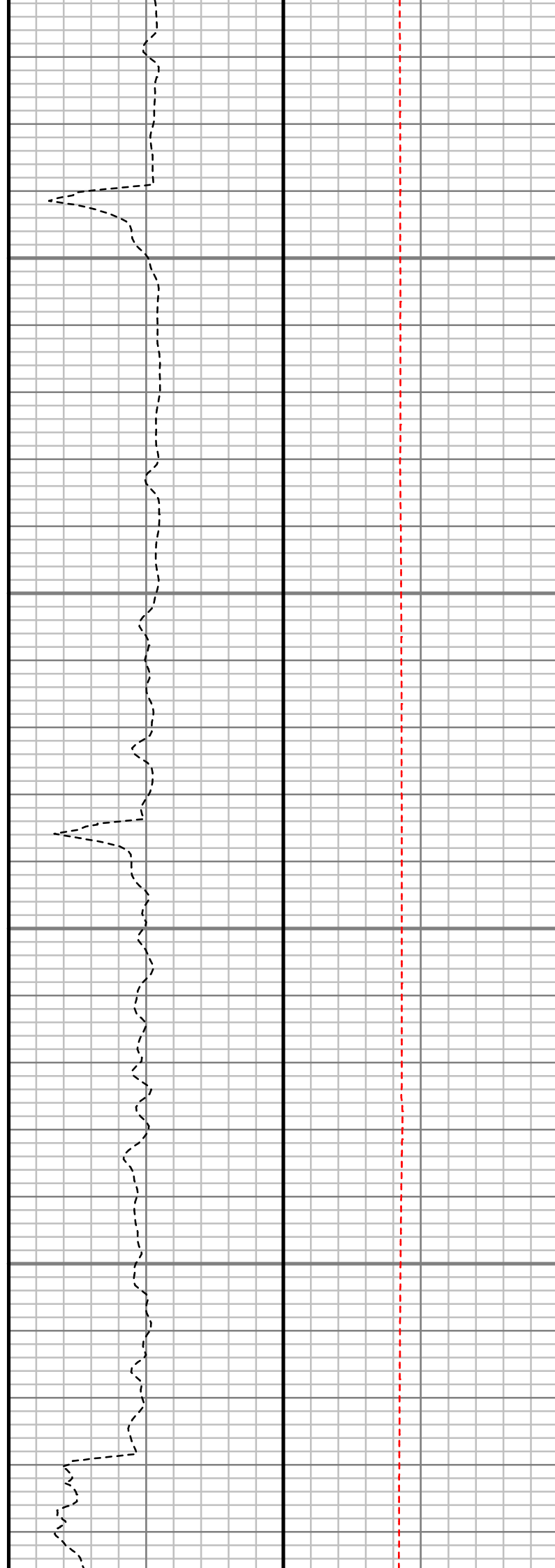
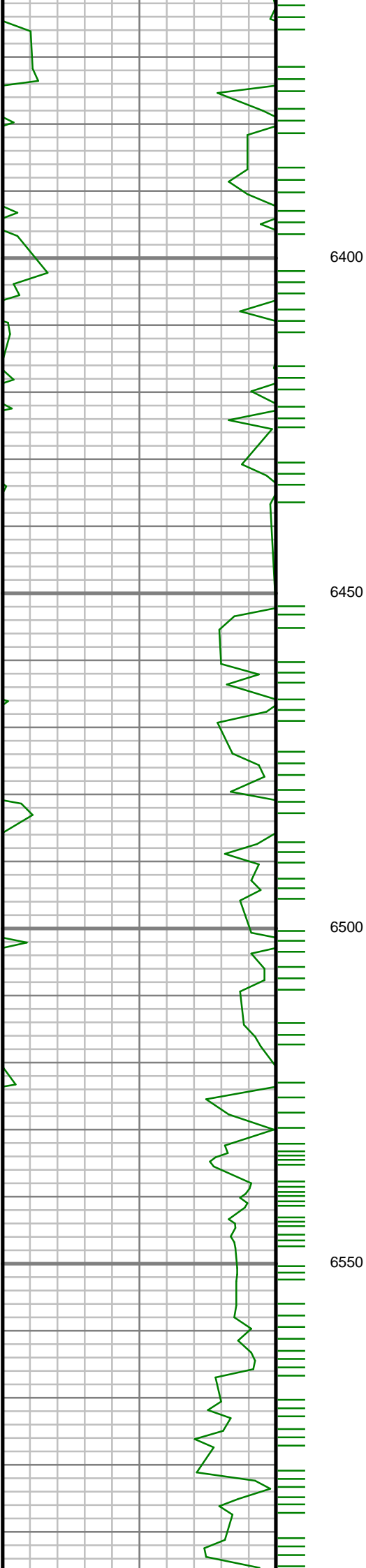




S: 64 MD: 6138.00 ft
Inc: 1.38 deg Az:
101.34 deg TVD:
5930.68 ft

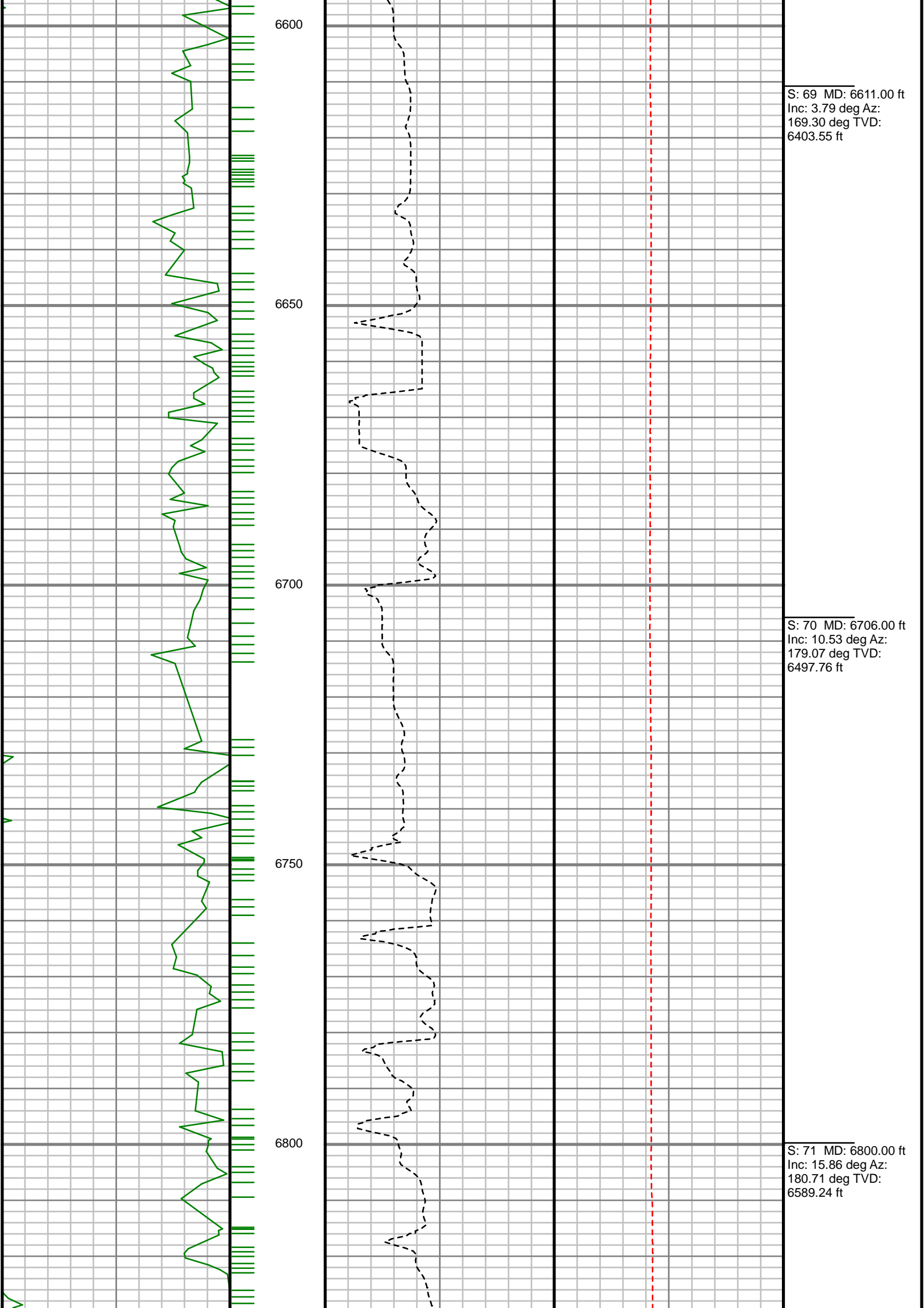
S: 65 MD: 6232.00 ft
Inc: 0.93 deg Az: 77.40
deg TVD: 6024.66 ft

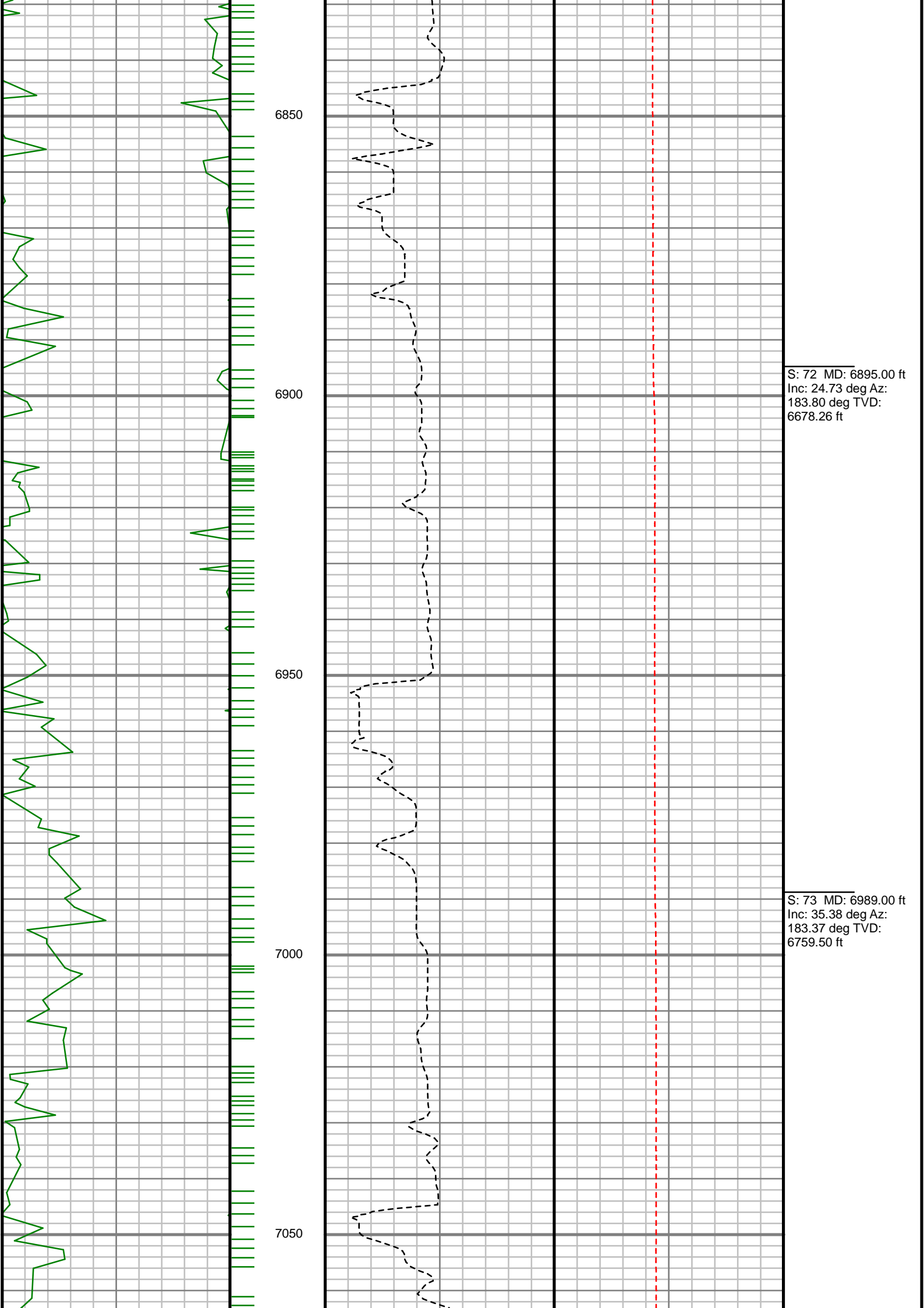
S: 66 MD: 6327.00 ft
Inc: 0.98 deg Az: 83.18
deg TVD: 6119.65 ft

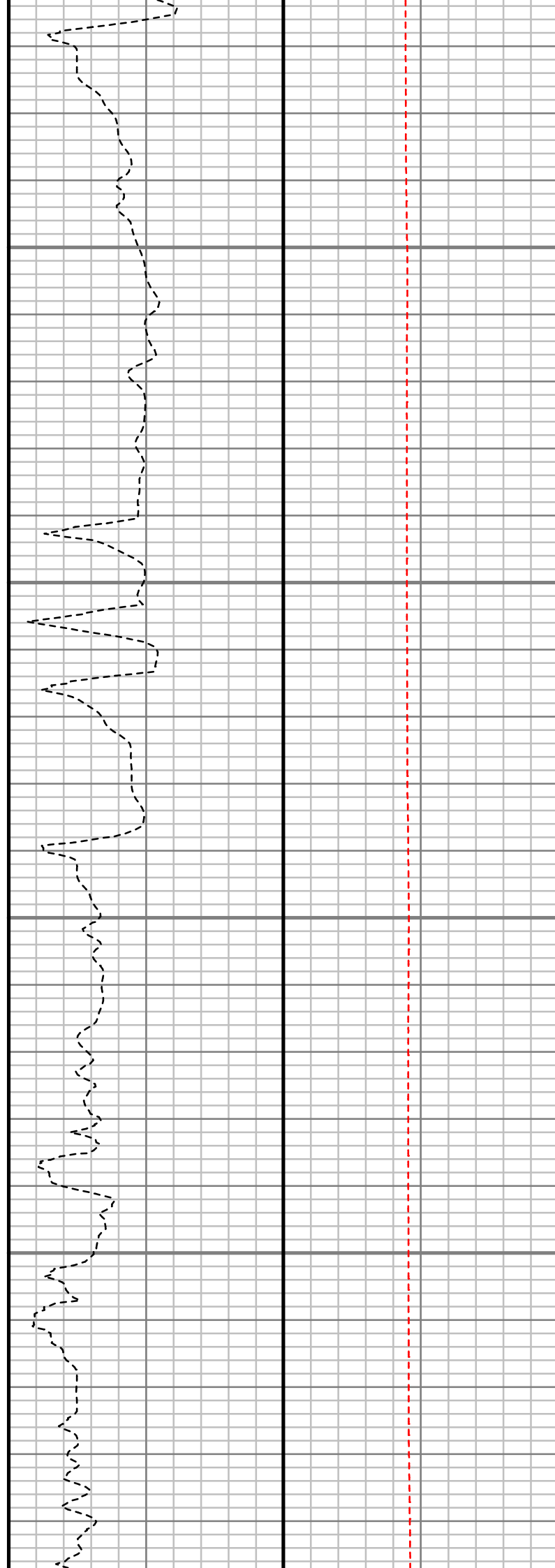
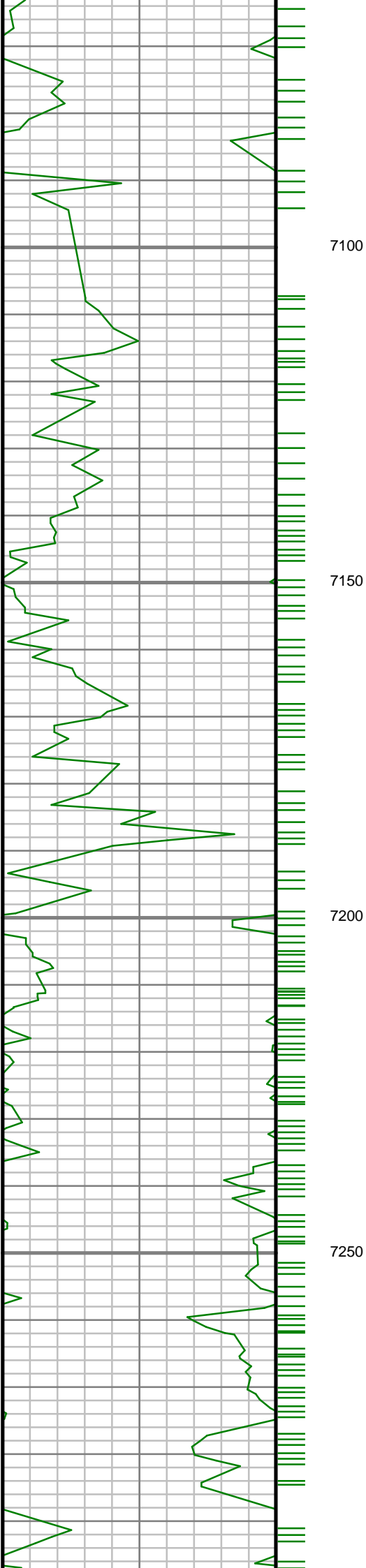


S: 67 MD: 6422.00 ft
Inc: 0.68 deg Az:
106.10 deg TVD:
6214.64 ft

S: 68 MD: 6516.00 ft
Inc: 1.08 deg Az: 80.39
deg TVD: 6308.62 ft



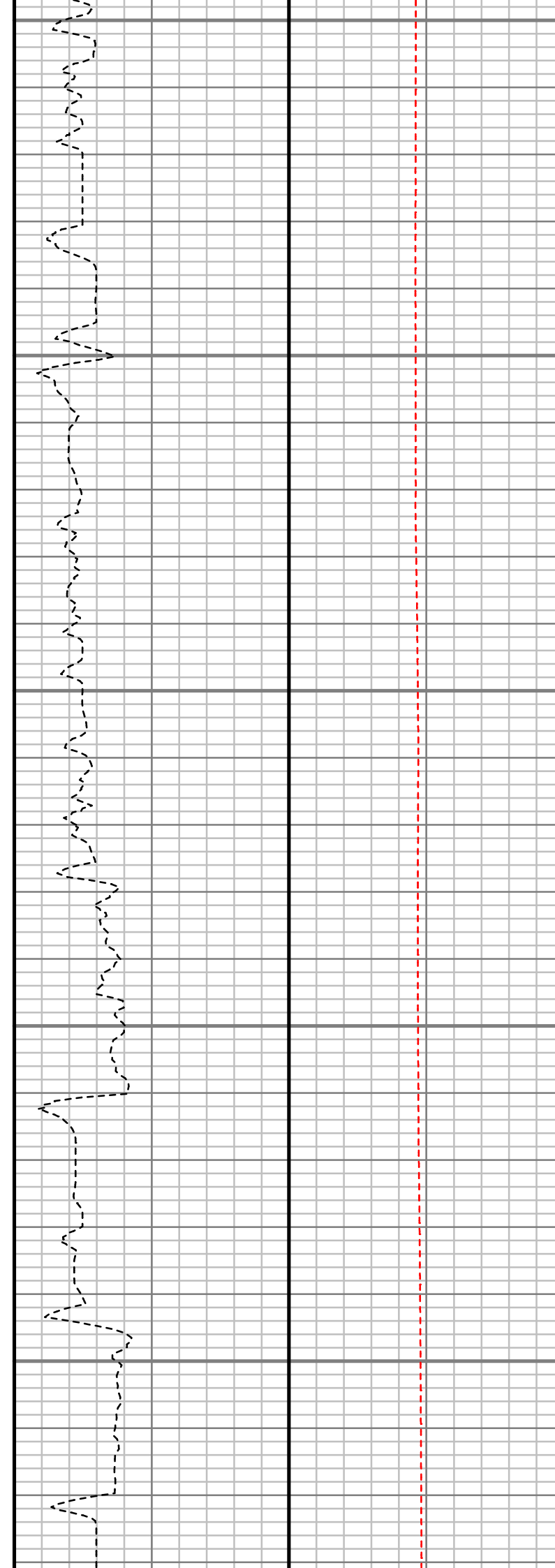
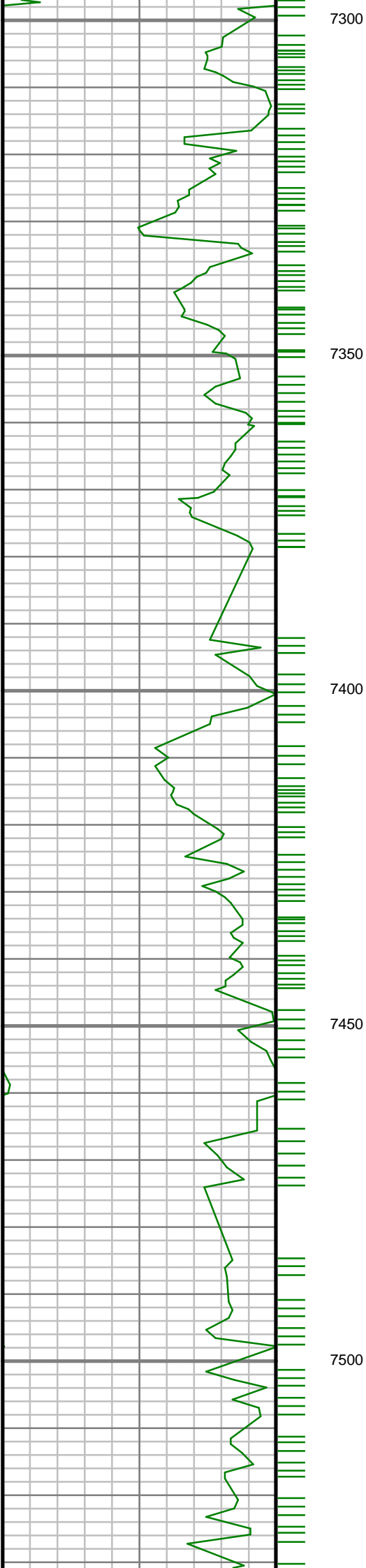




S: 74 MD: 7084.00 ft
Inc: 45.30 deg Az:
183.76 deg TVD:
6831.82 ft

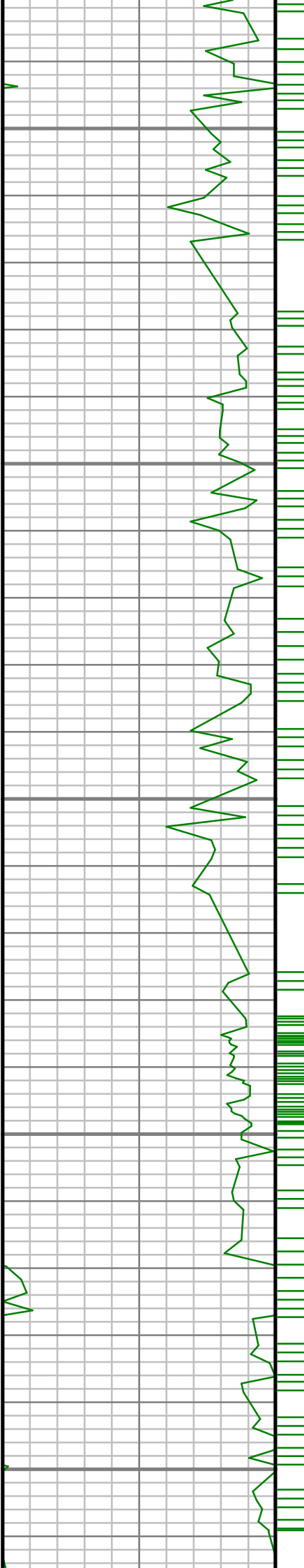
S: 75 MD: 7178.00 ft
Inc: 53.50 deg Az:
181.04 deg TVD:
6892.95 ft

S: 76 MD: 7273.00 ft
Inc: 62.66 deg Az:
177.84 deg TVD:
6943.14 ft



S: 77 MD: 7368.00 ft
Inc: 74.16 deg Az:
176.36 deg TVD:
6978.03 ft

S: 78 MD: 7462.00 ft
Inc: 84.25 deg Az:
176.60 deg TVD:
6995.62 ft



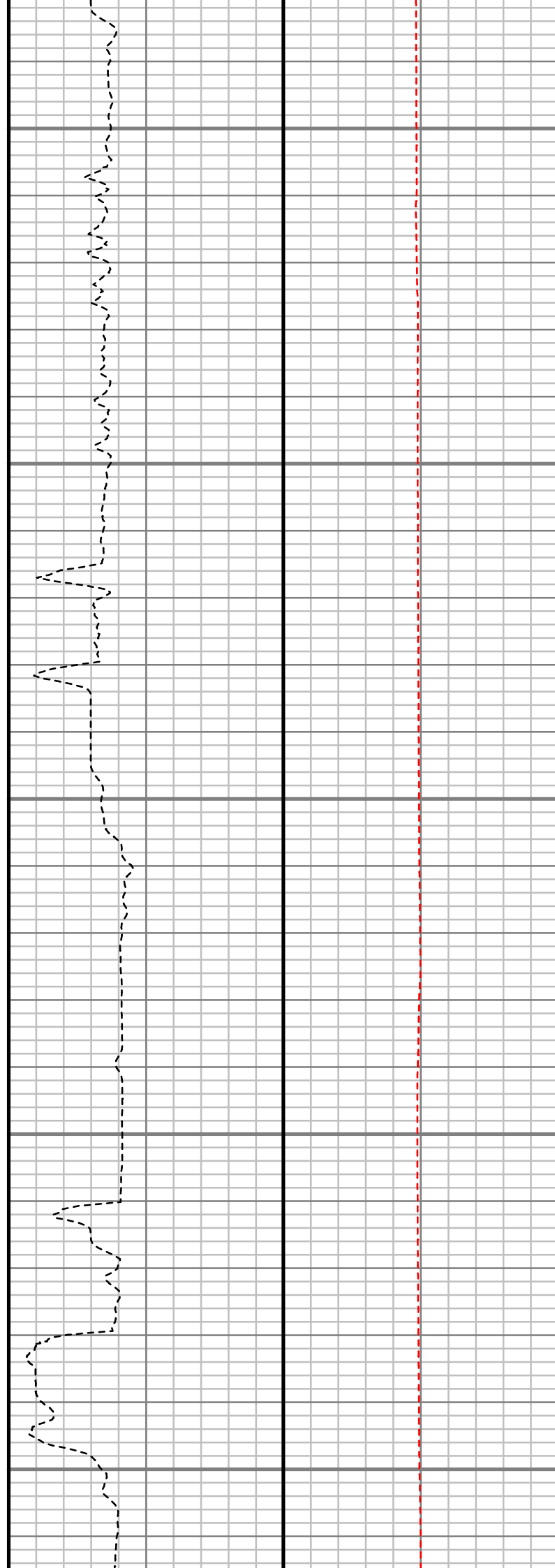
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7600

7650

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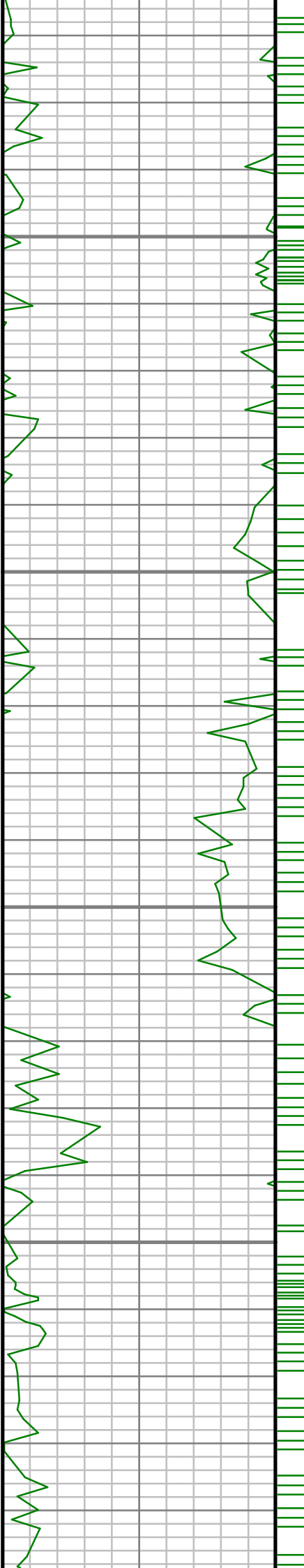
7750



S: 79 MD: 7557.00 ft
Inc: 87.24 deg Az:
177.26 deg TVD:
7002.67 ft

S: 80 MD: 7652.00 ft
Inc: 86.87 deg Az:
177.95 deg TVD:
7007.55 ft

S: 81 MD: 7746.00 ft
Inc: 88.49 deg Az:
180.73 deg TVD:
7011.35 ft

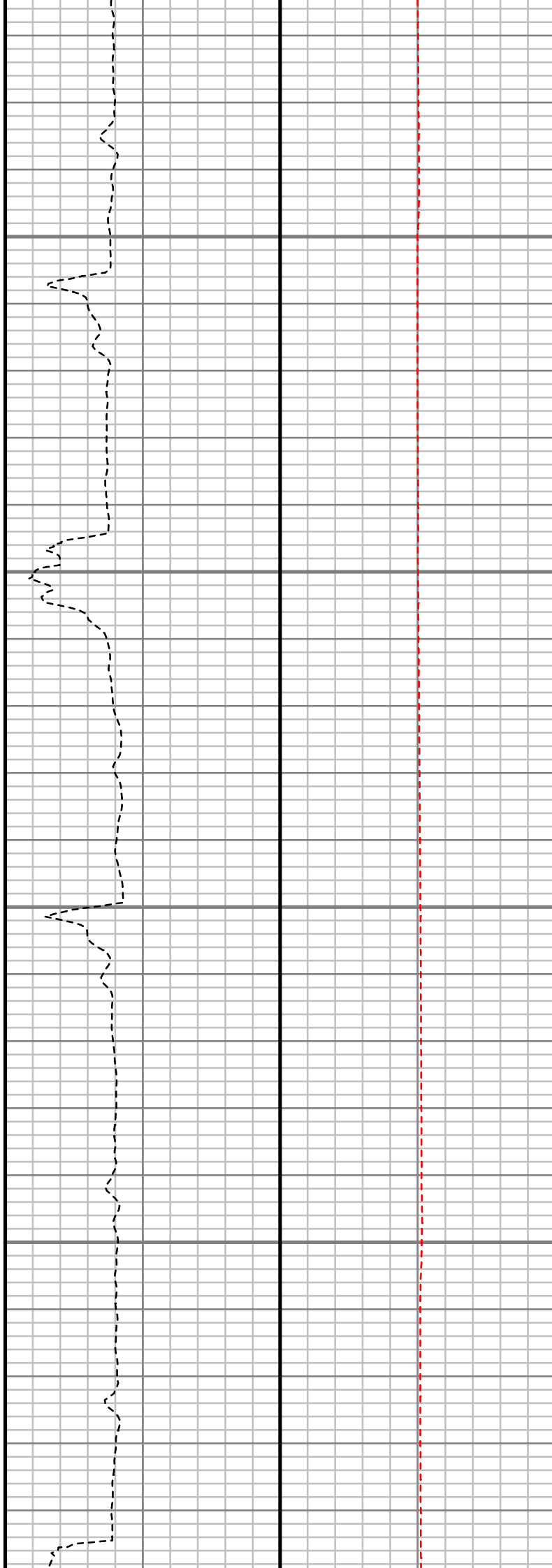


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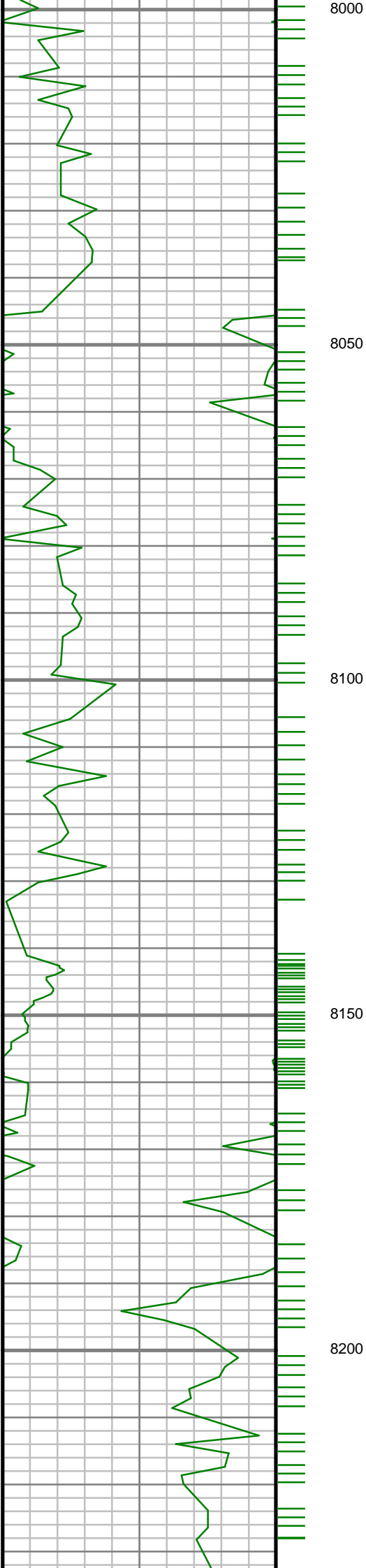
7900

7950



S: 82 MD: 7840.00 ft
Inc: 88.55 deg Az:
182.27 deg TVD:
7013.78 ft

S: 83 MD: 7935.00 ft
Inc: 89.13 deg Az:
183.12 deg TVD:
7015.71 ft



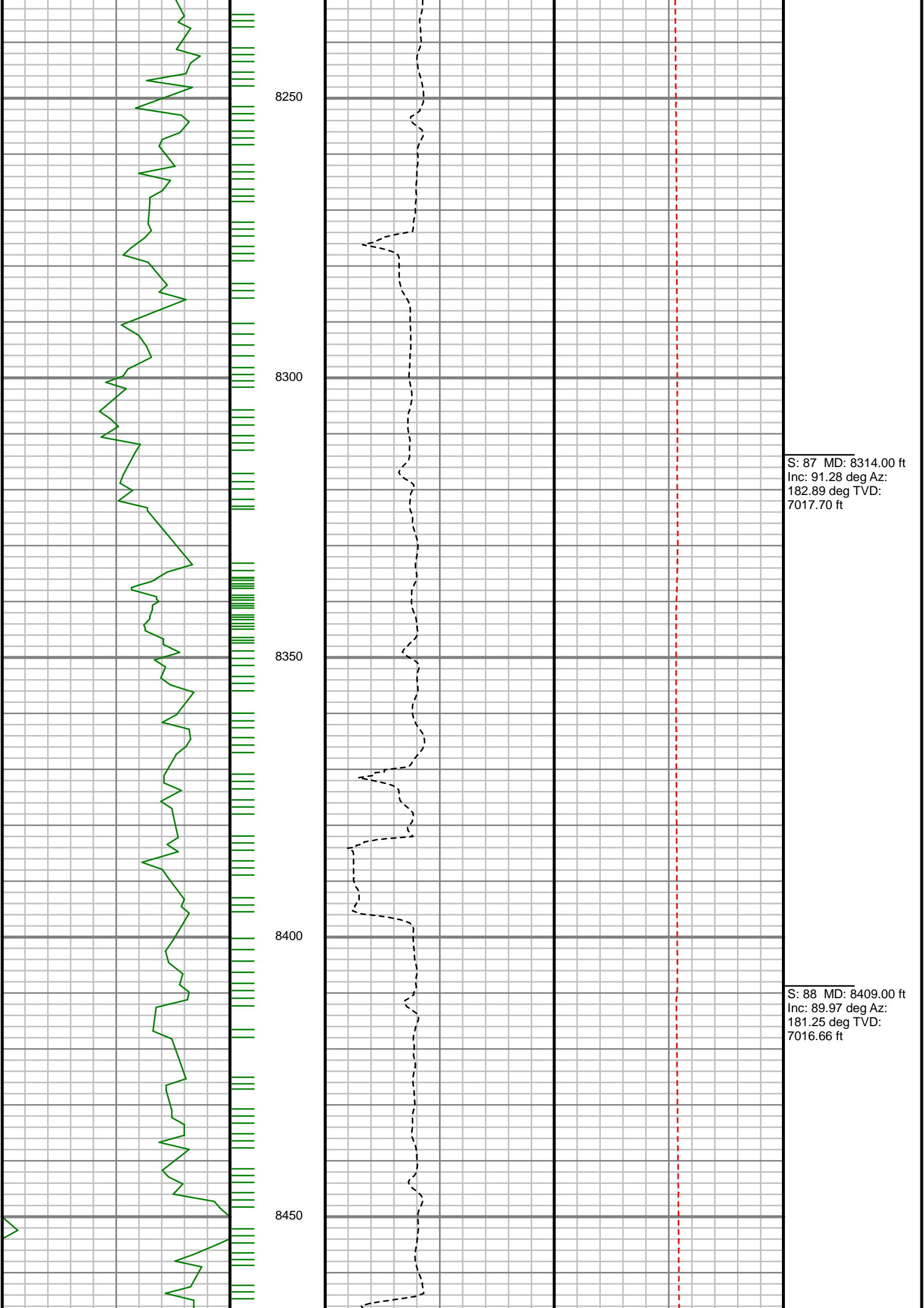
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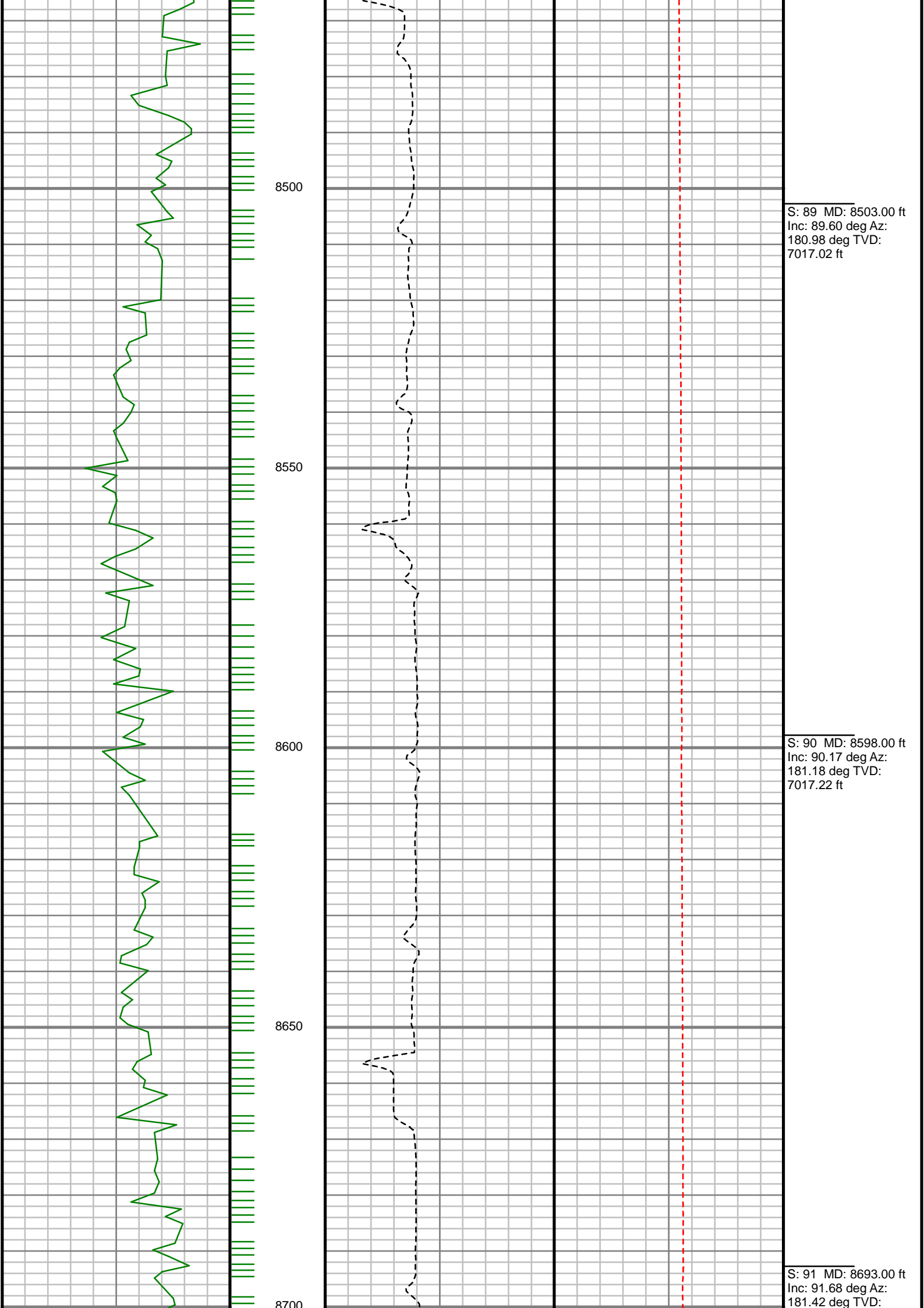


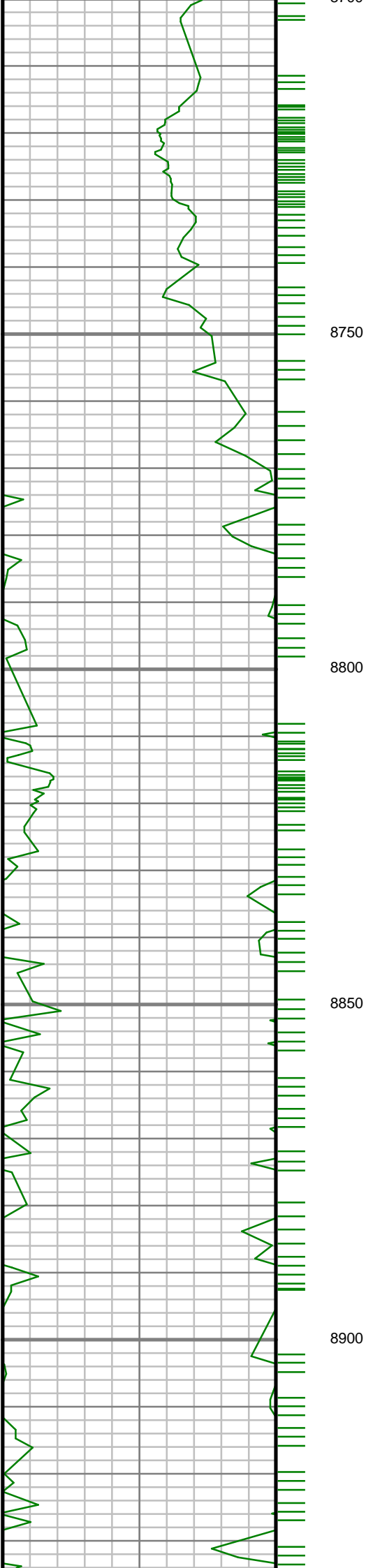
S: 84 MD: 8029.00 ft
Inc: 89.33 deg Az:
183.27 deg TVD:
7016.97 ft

S: 85 MD: 8124.00 ft
Inc: 88.89 deg Az:
184.44 deg TVD:
7018.45 ft

S: 86 MD: 8219.00 ft
Inc: 90.37 deg Az:
182.51 deg TVD:
7019.06 ft







8750

8800

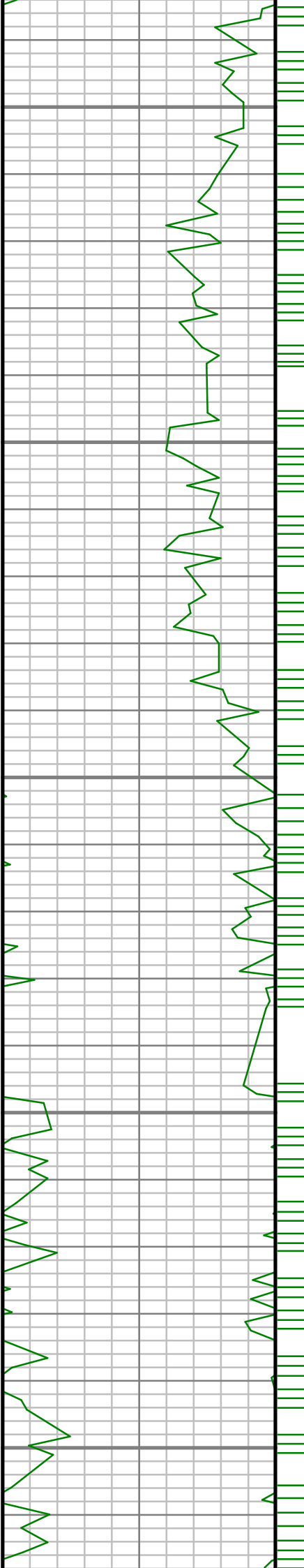
8850

8900

S: 92 MD: 8788.00 ft
Inc: 90.67 deg Az:
180.91 deg TVD:
7013.74 ft

S: 93 MD: 8883.00 ft
Inc: 88.99 deg Az:
179.63 deg TVD:
7014.01 ft

7015.69 ft



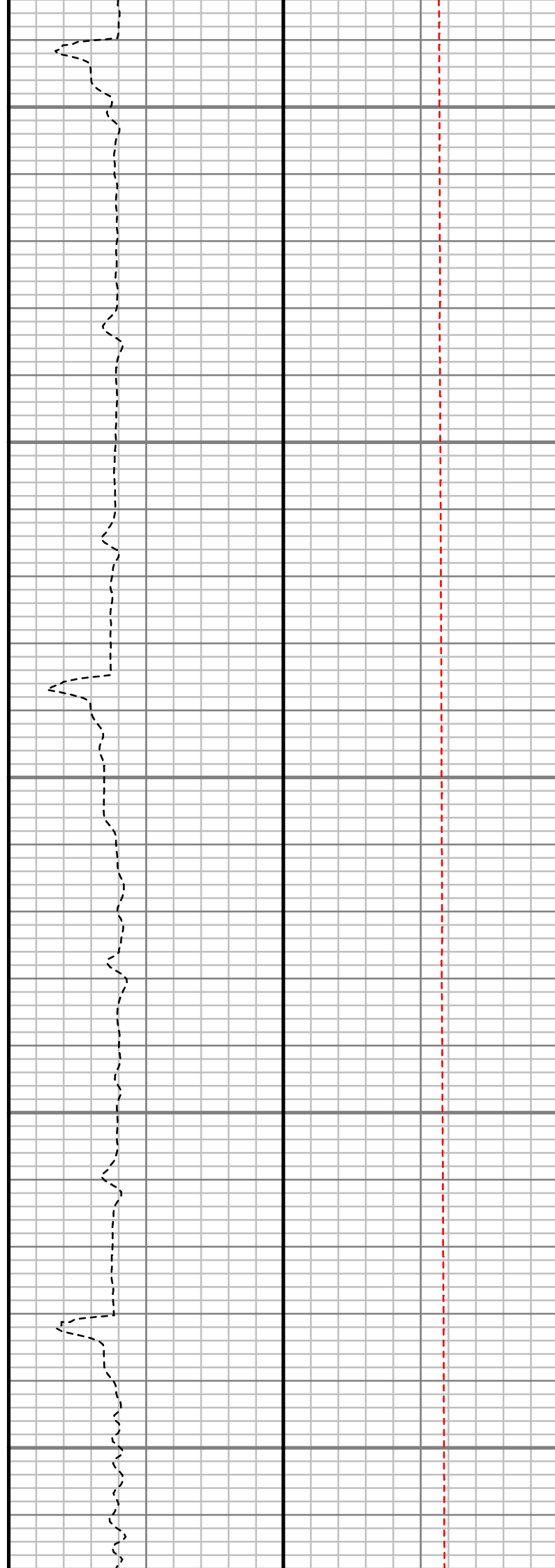
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9000

9050

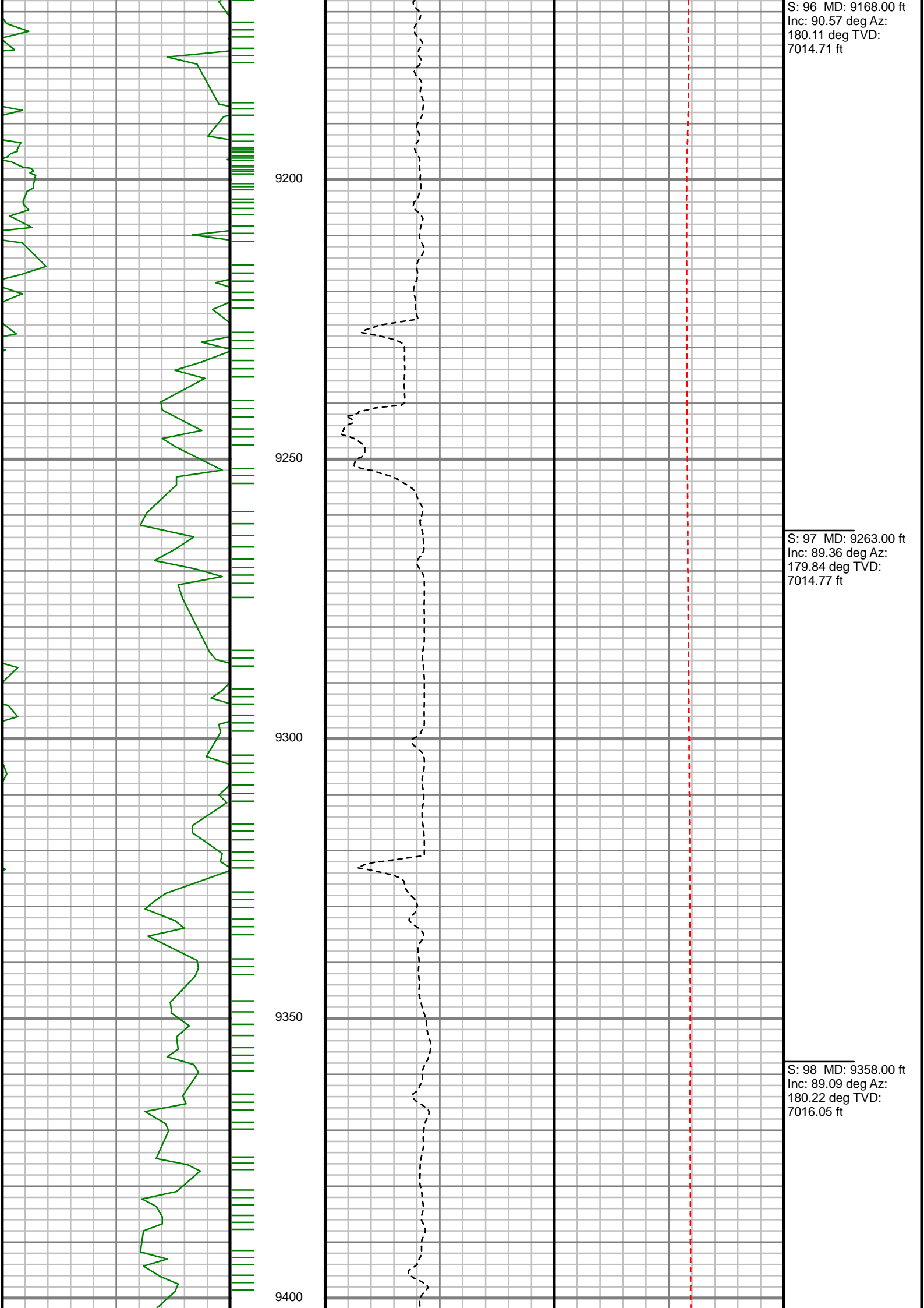
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9150



S: 94 MD: 8978.00 ft
Inc: 89.43 deg Az:
180.42 deg TVD:
7015.32 ft

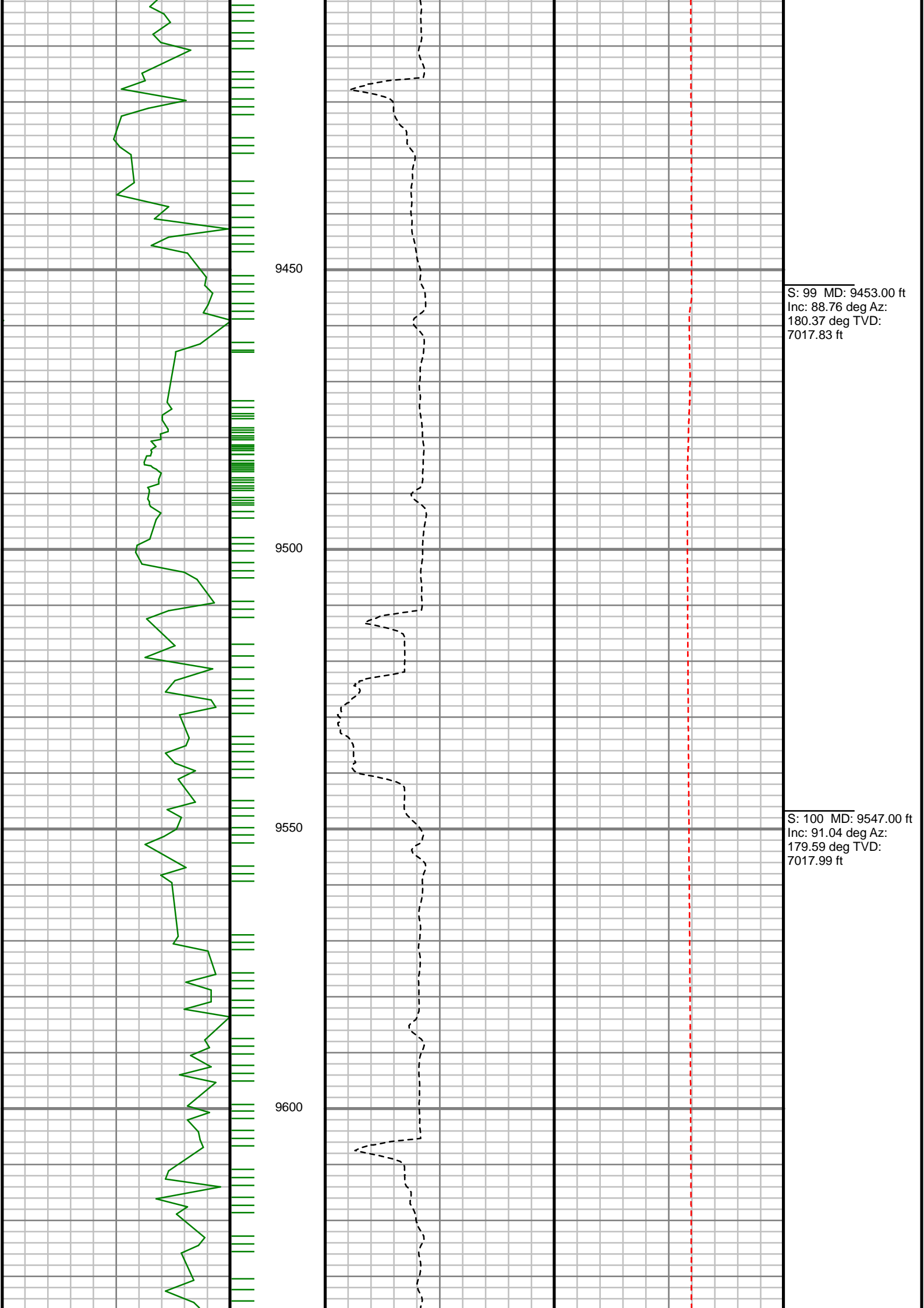
S: 95 MD: 9073.00 ft
Inc: 90.37 deg Az:
180.32 deg TVD:
7015.49 ft



S: 96 MD: 9168.00 ft
Inc: 90.57 deg Az:
180.11 deg TVD:
7014.71 ft

S: 97 MD: 9263.00 ft
Inc: 89.36 deg Az:
179.84 deg TVD:
7014.77 ft

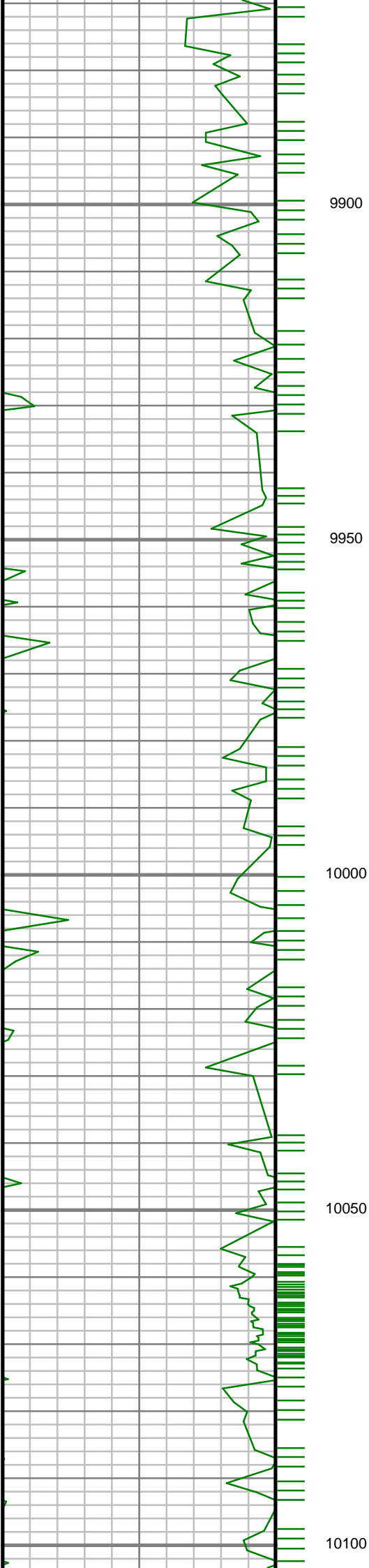
S: 98 MD: 9358.00 ft
Inc: 89.09 deg Az:
180.22 deg TVD:
7016.05 ft



S: 99 MD: 9453.00 ft
Inc: 88.76 deg Az:
180.37 deg TVD:
7017.83 ft

S: 100 MD: 9547.00 ft
Inc: 91.04 deg Az:
179.59 deg TVD:
7017.99 ft





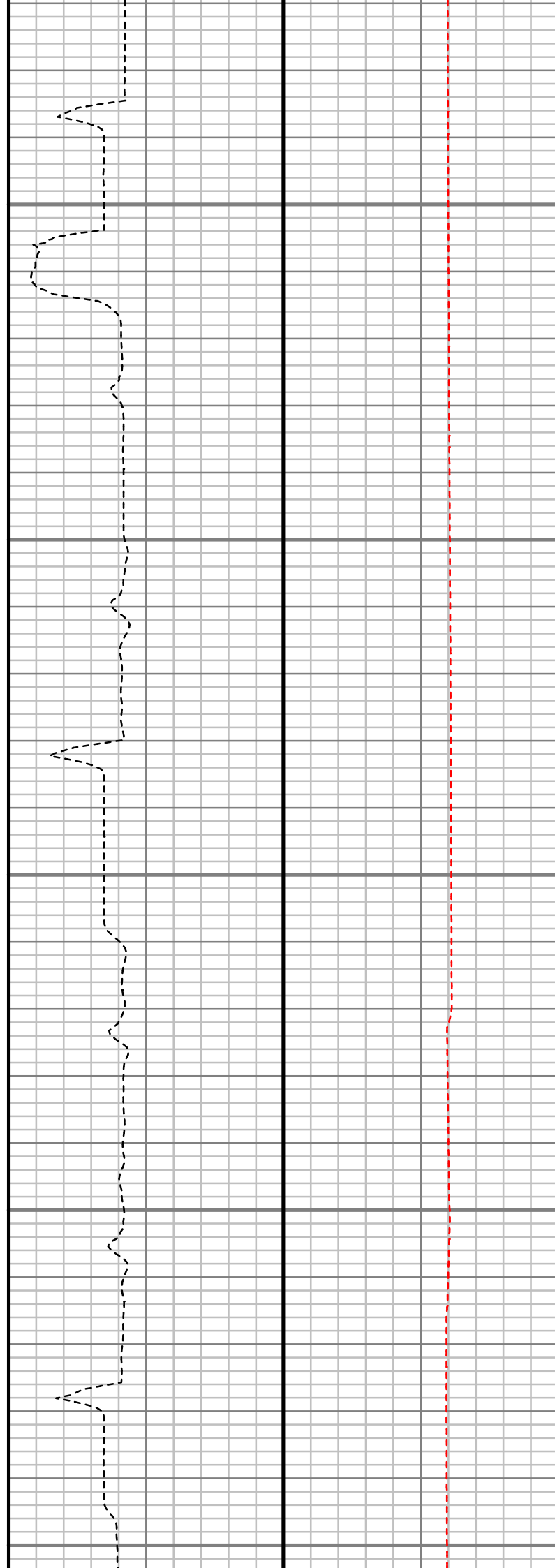
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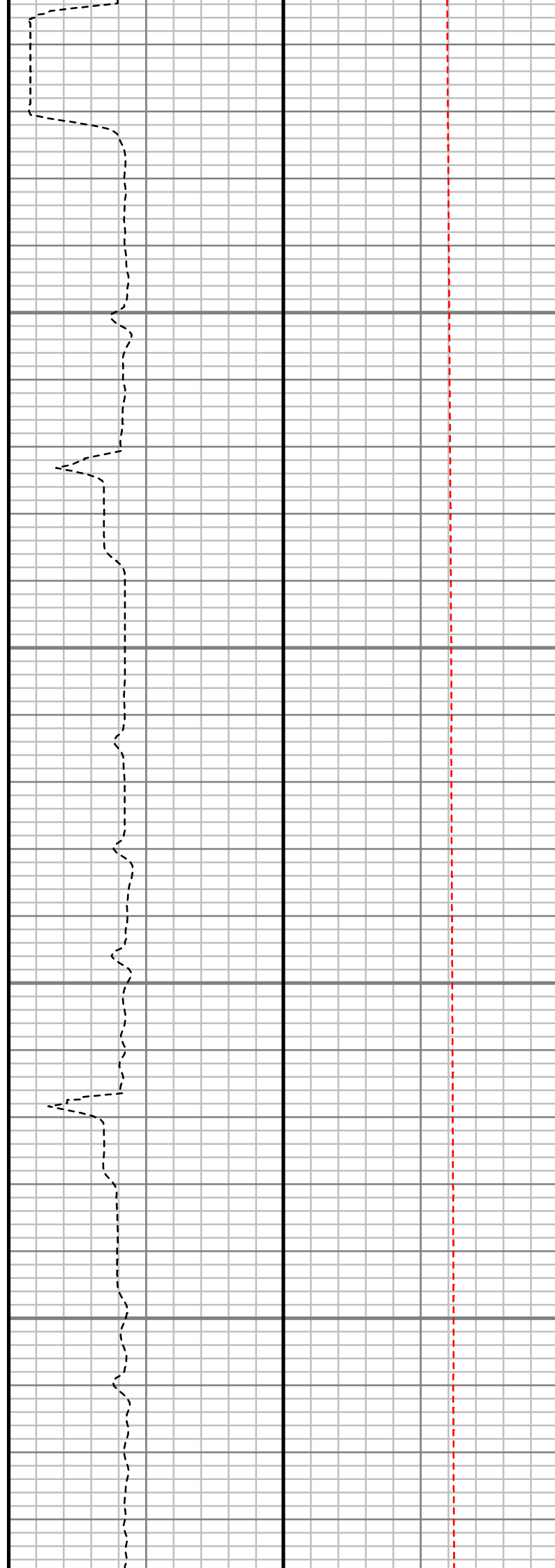
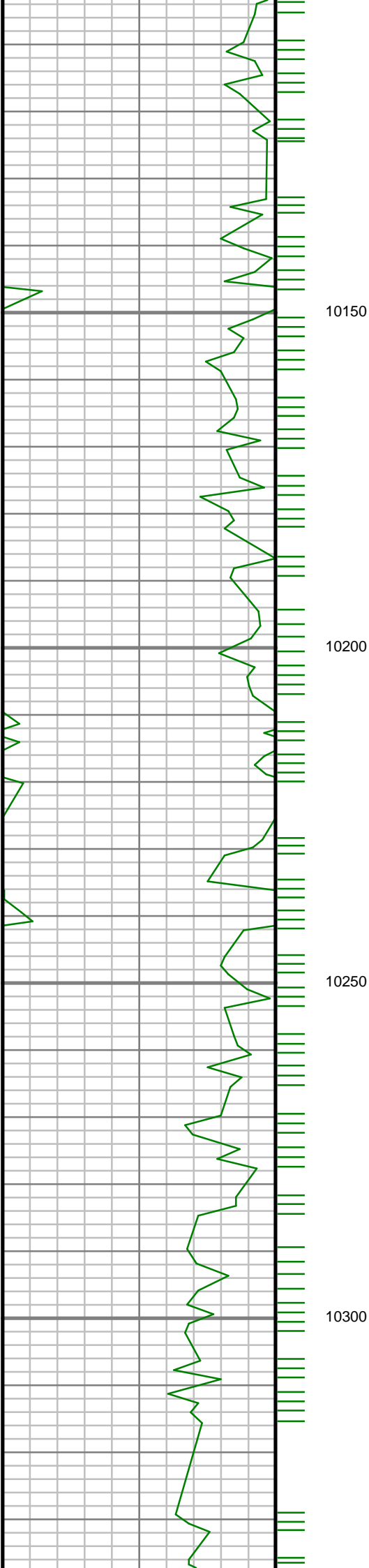
10050

10100



S: 104 MD: 9926.00 ft
Inc: 90.44 deg Az:
178.02 deg TVD:
7011.77 ft

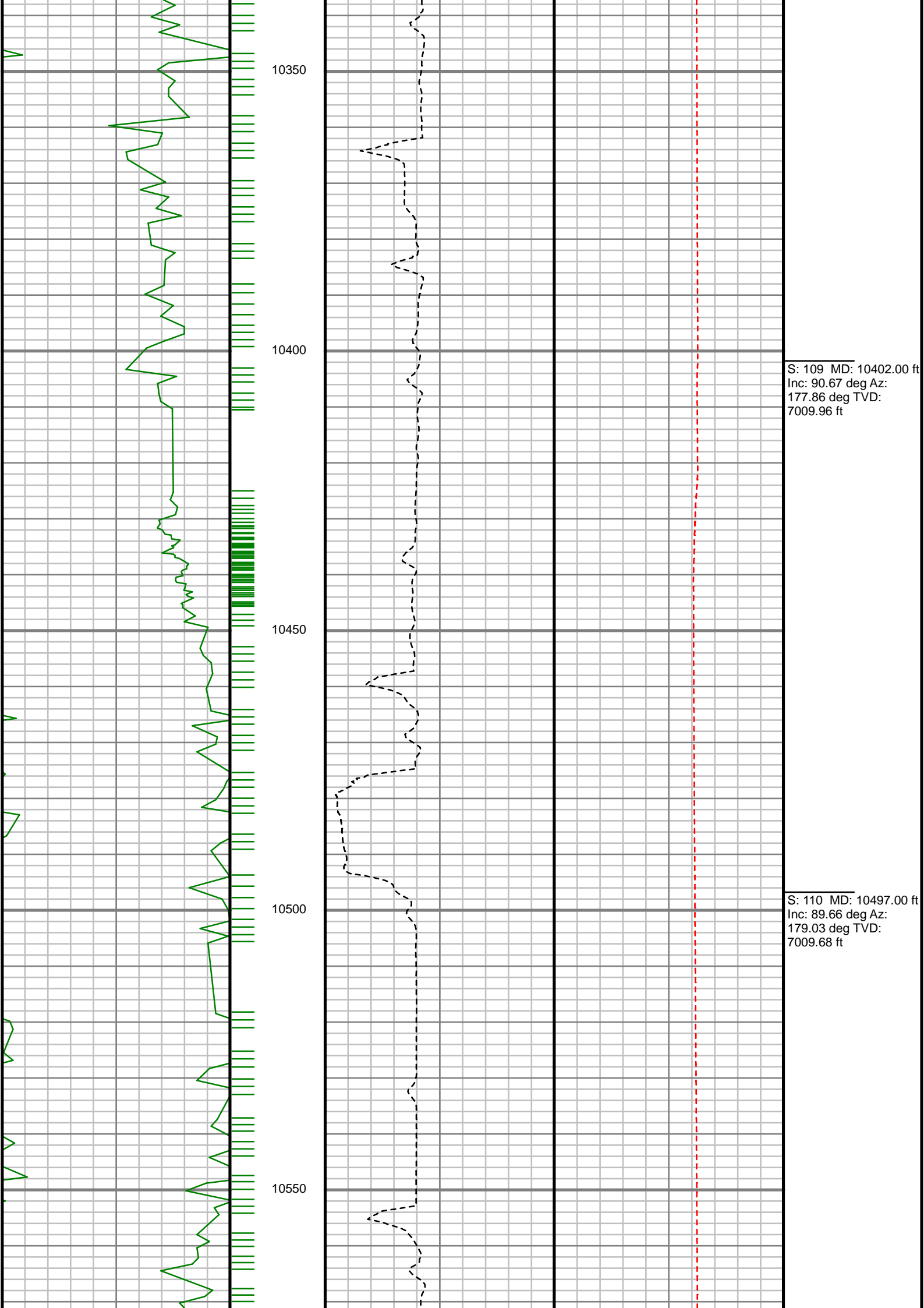
S: 105 MD: 10022.00 ft
Inc: 90.97 deg Az:
178.80 deg TVD:
7010.59 ft

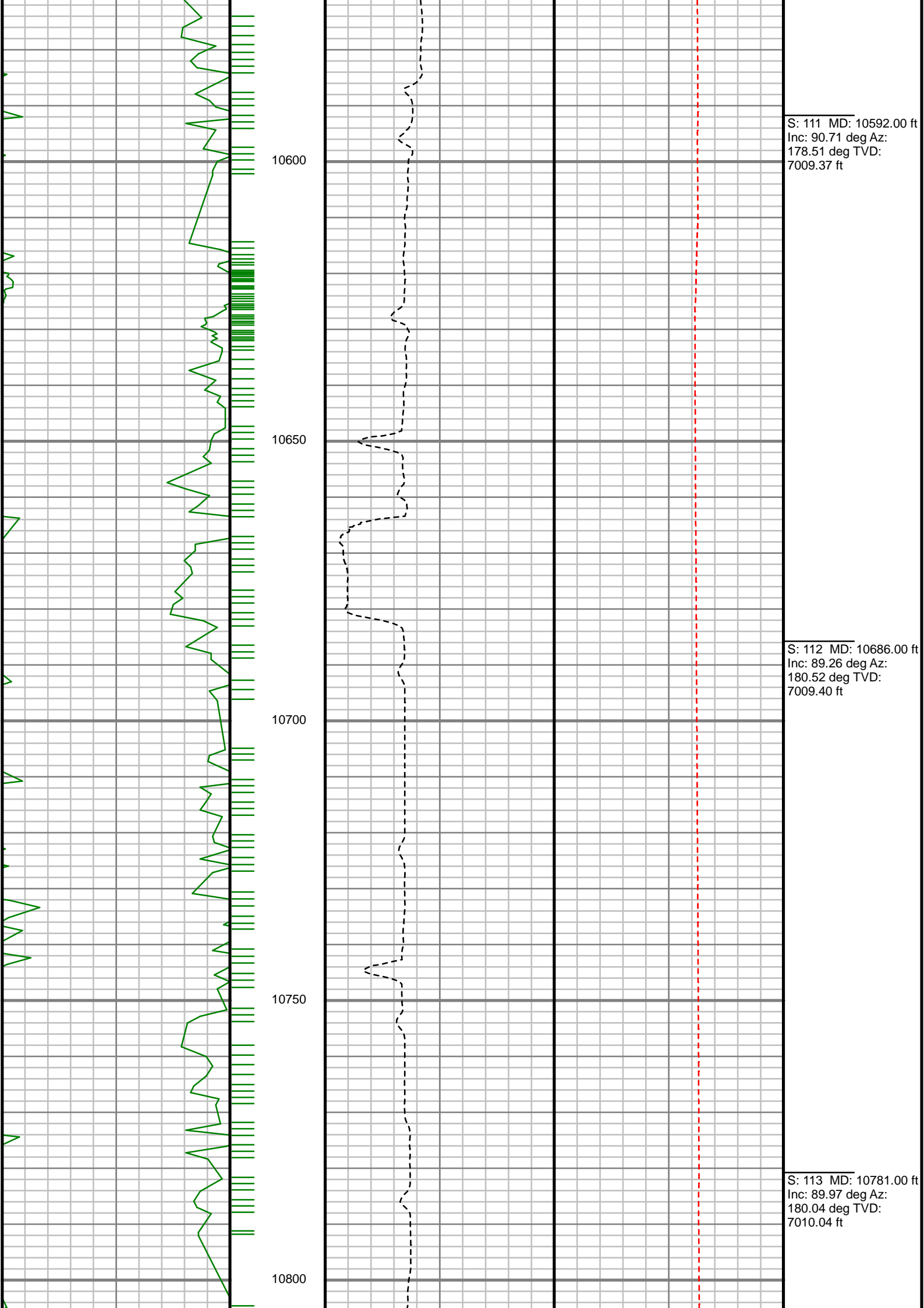


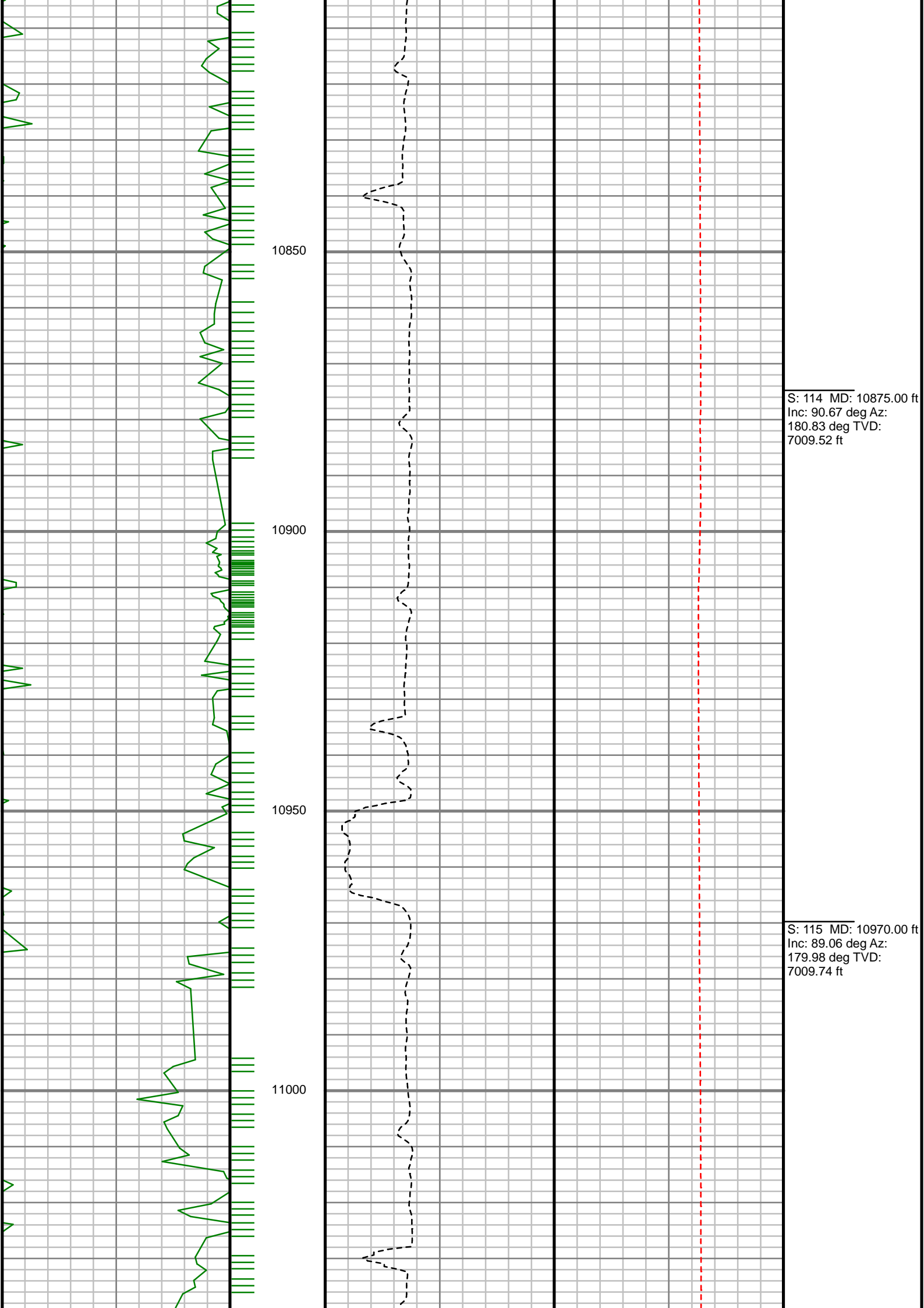
S: 106 MD: 10116.00 ft
Inc: 89.90 deg Az:
177.82 deg TVD:
7009.87 ft

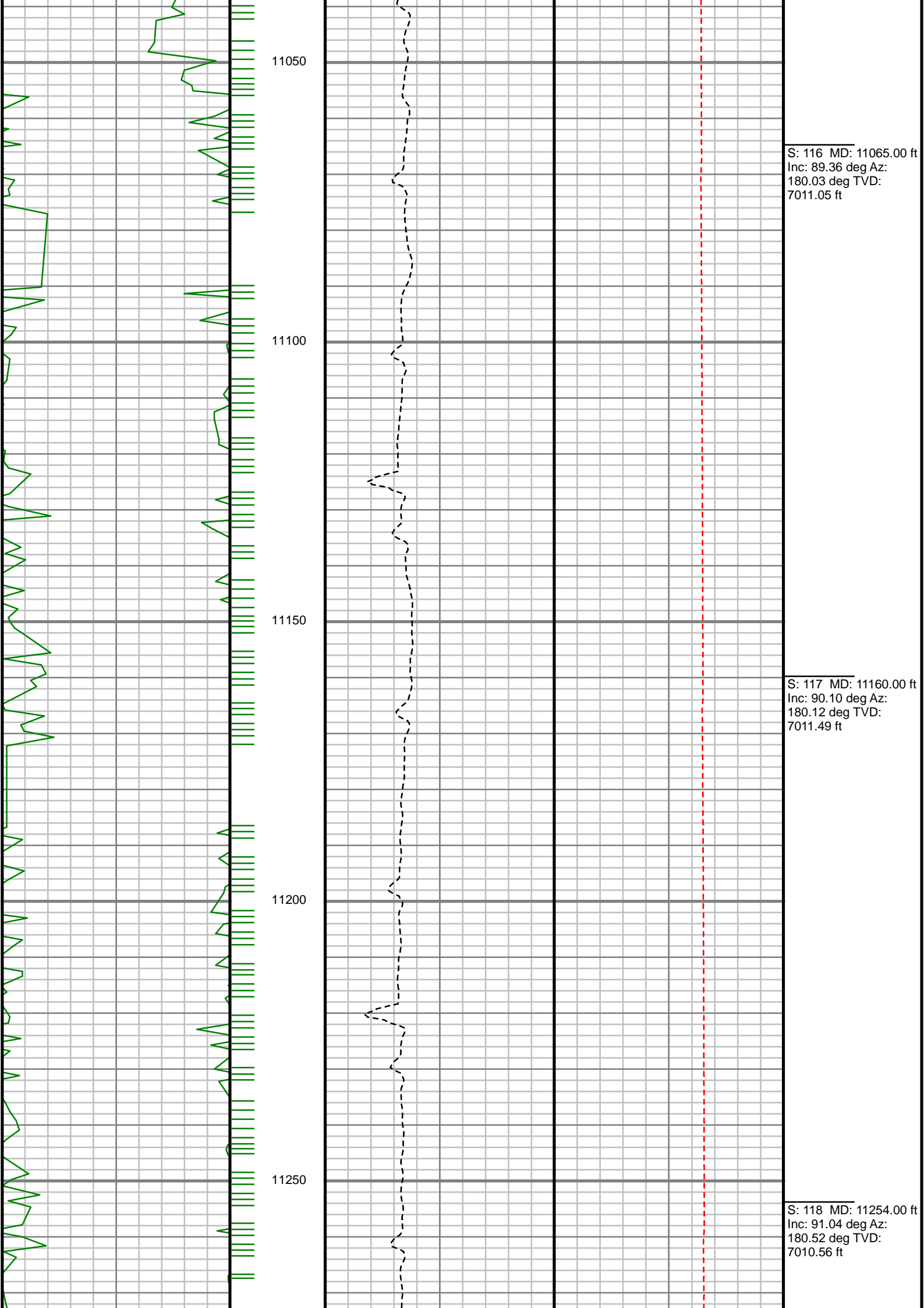
S: 107 MD: 10211.00 ft
Inc: 89.73 deg Az:
177.89 deg TVD:
7010.18 ft

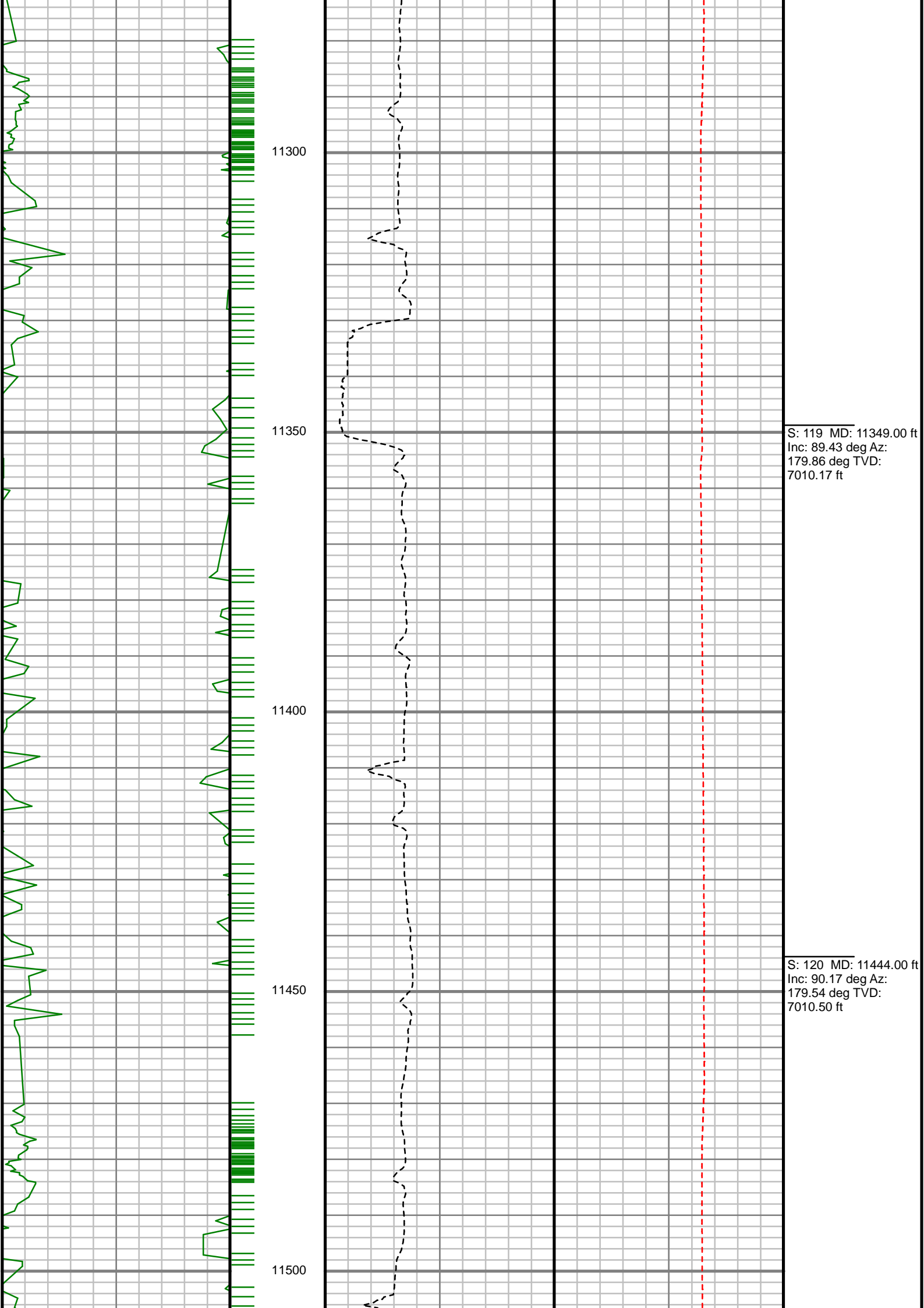
S: 108 MD: 10307.00 ft
Inc: 89.93 deg Az:
178.01 deg TVD:
7010.46 ft

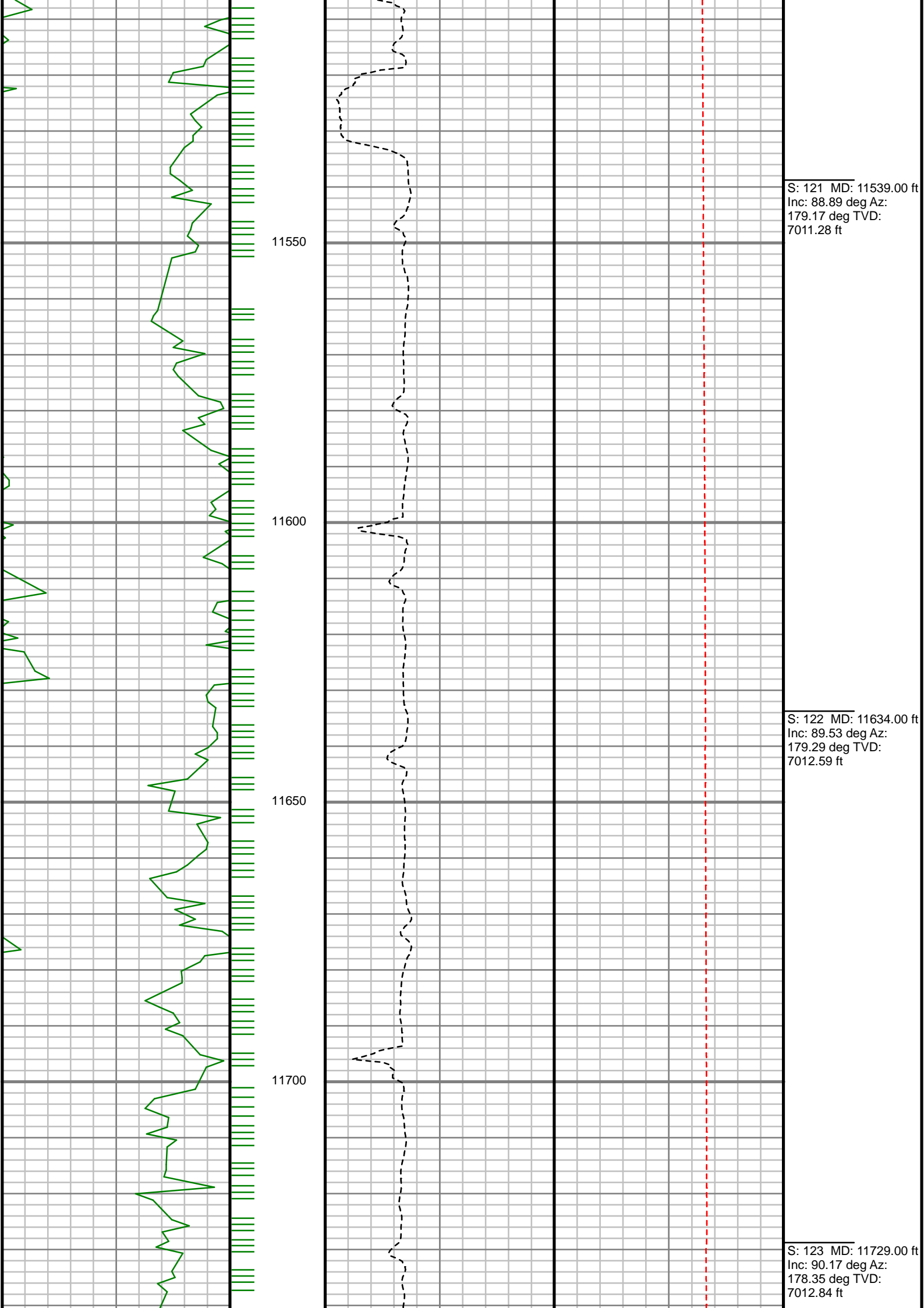


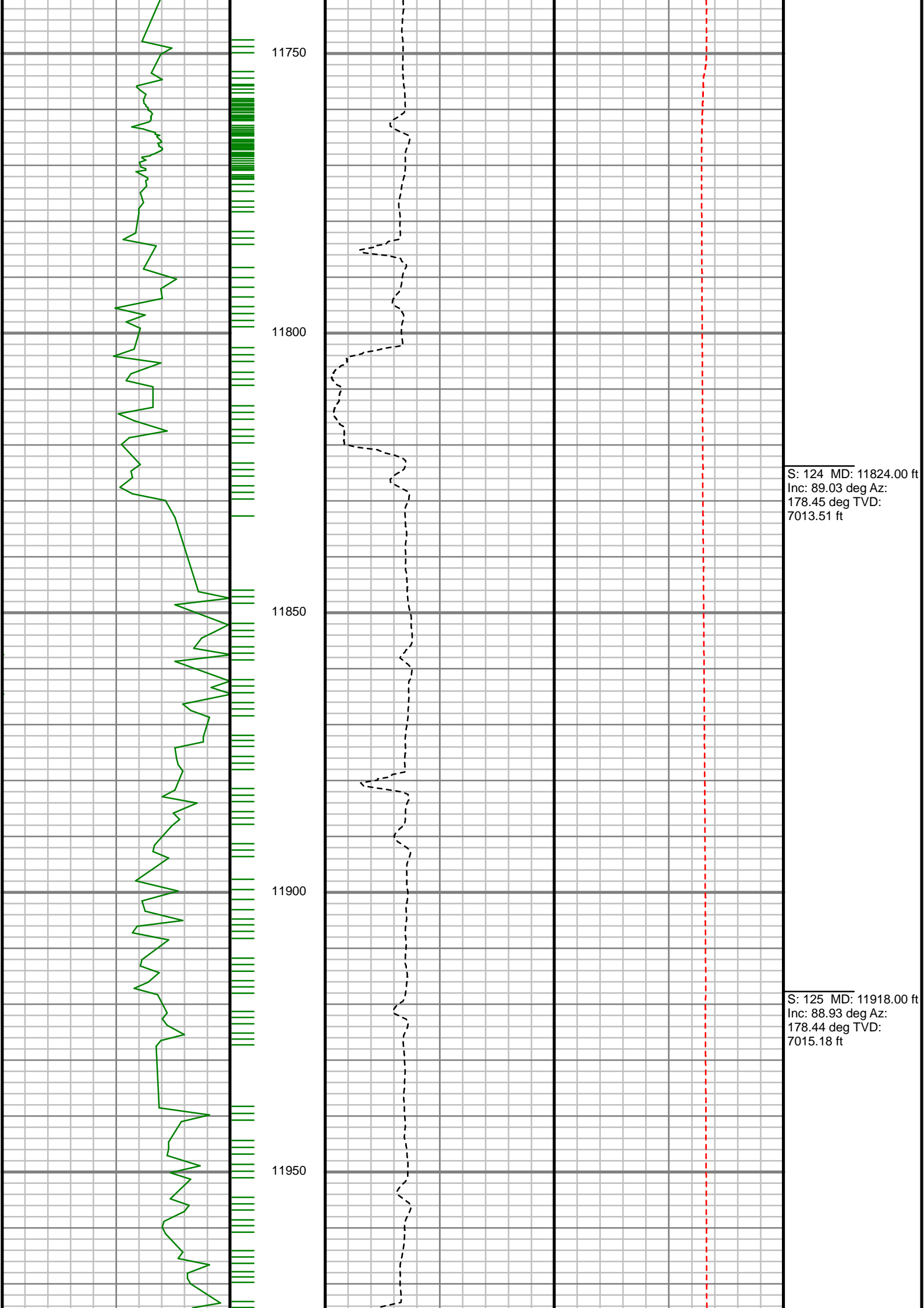


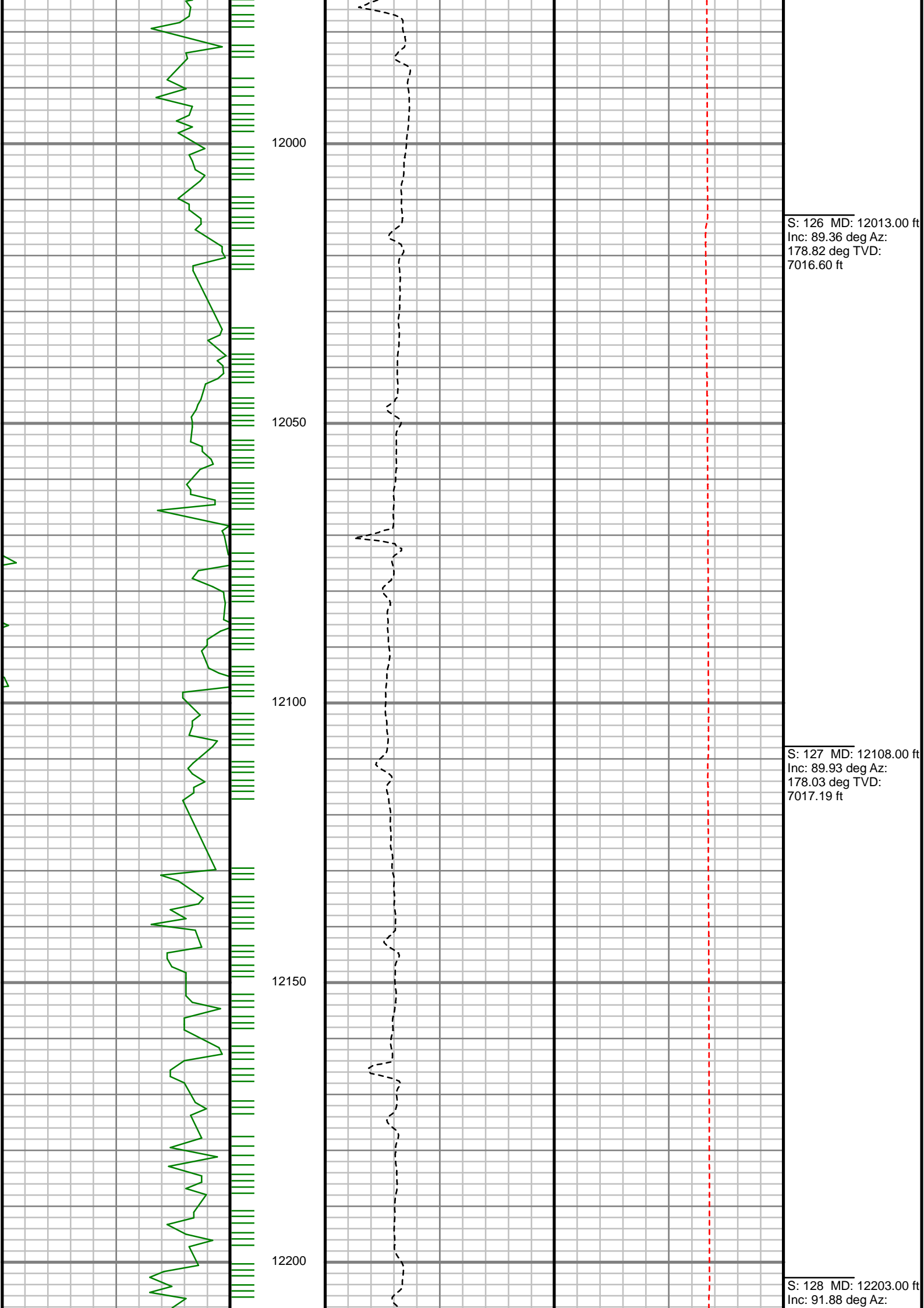


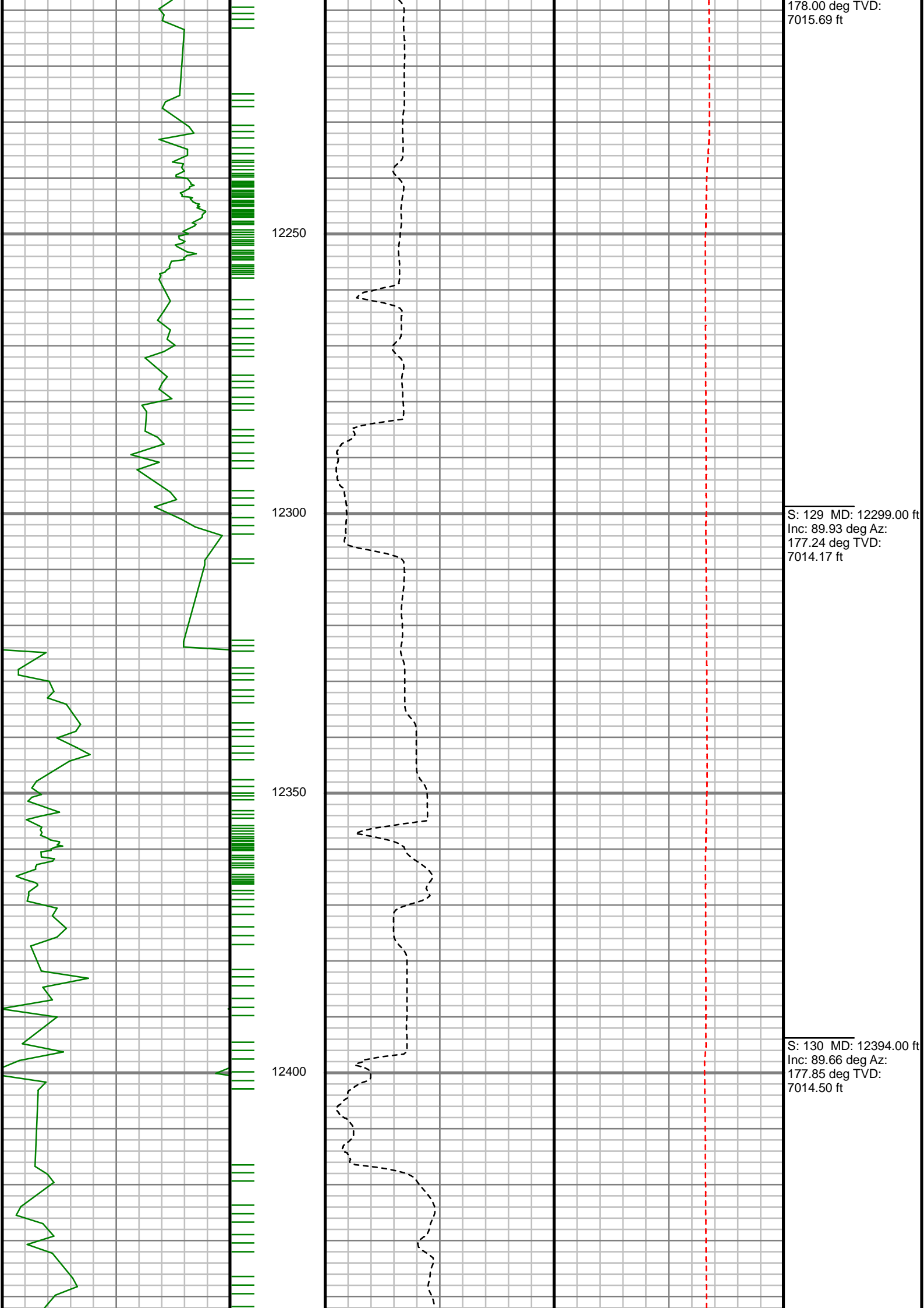


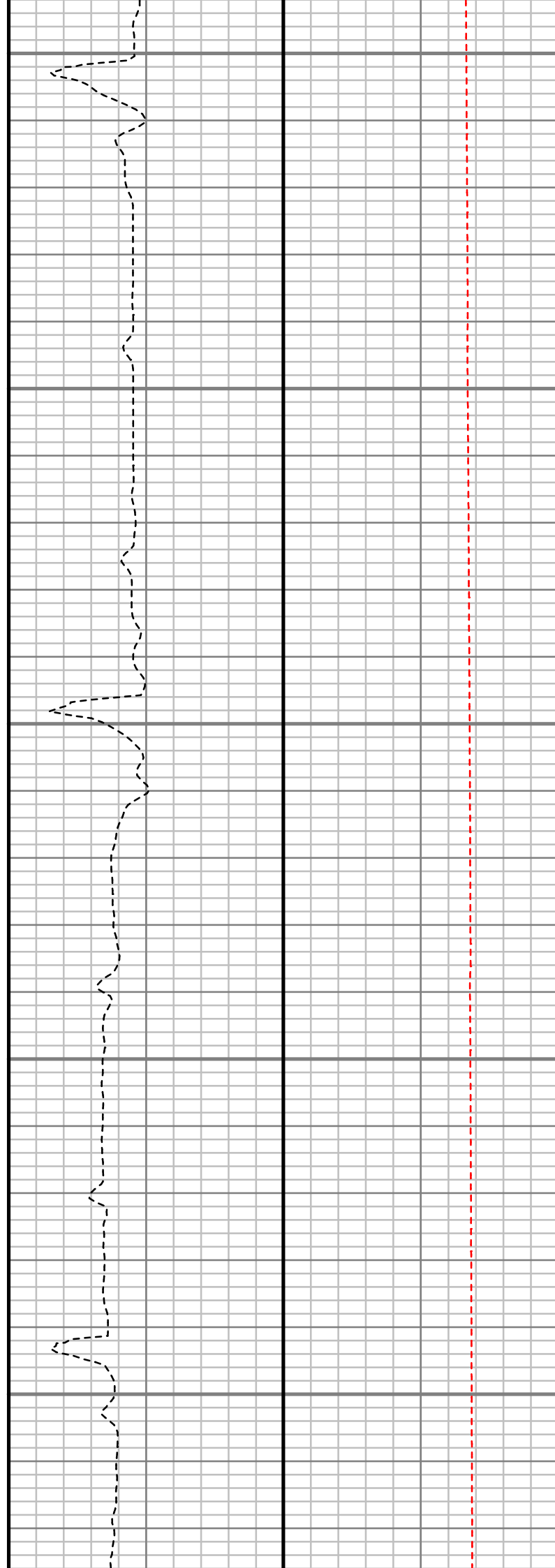
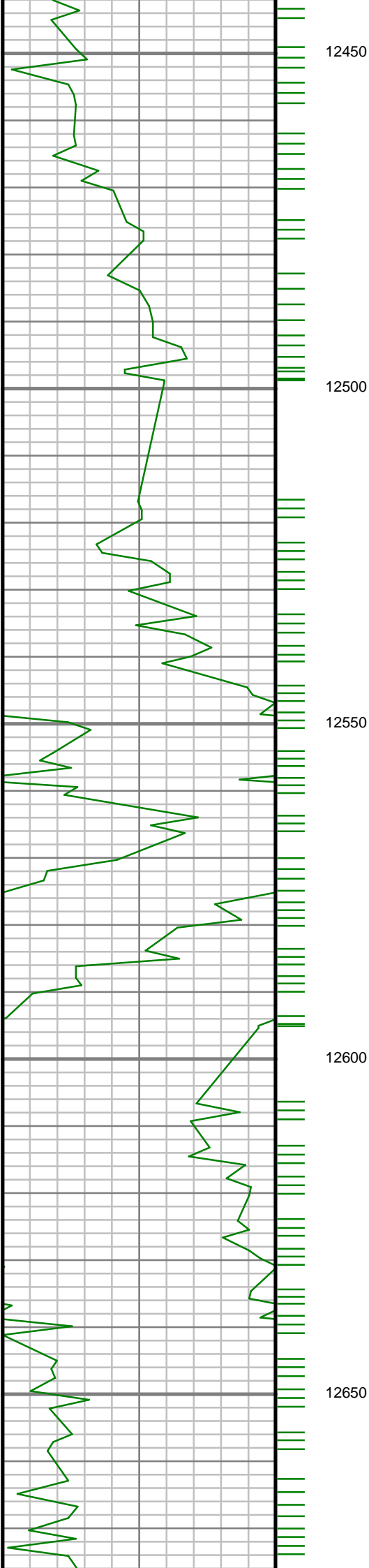












S: 131 MD: 12489.00 ft
Inc: 88.72 deg Az:
177.91 deg TVD:
7015.84 ft

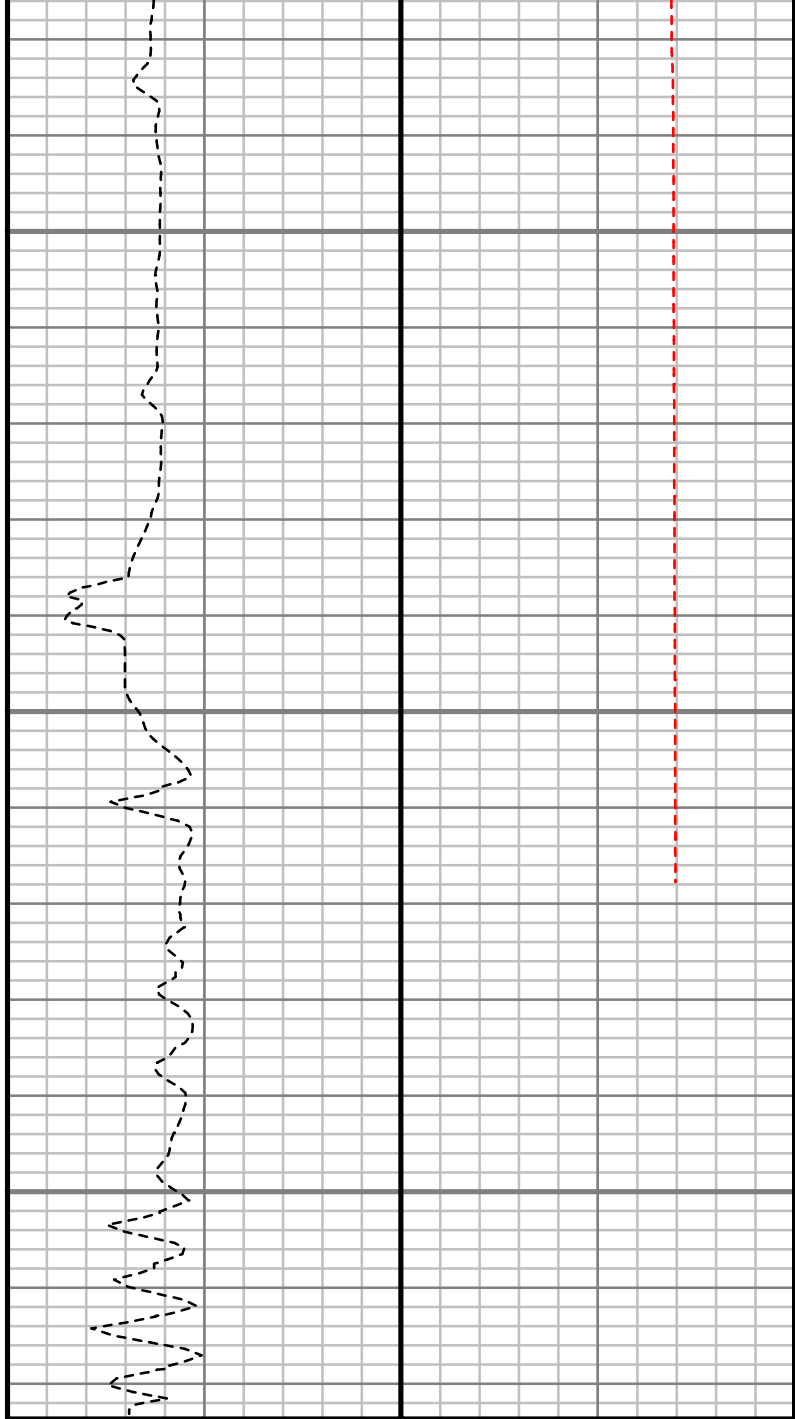
S: 132 MD: 12584.00 ft
Inc: 88.96 deg Az:
178.98 deg TVD:
7017.76 ft



Gamma Ray (GR)		
150	Unit = aapi	300



MEASURED DEPTH
1:240 (ft)



Rate of Penetration (ROP)	Tool Temperature (T-TEMP)
0 Unit = ft/hr 1000	50 Unit = °F 300

S: 133 MD: 12680.00 ft Inc: 89.13 deg Az: 178.84 deg TVD: 7019.36 ft

Comments



Well Location	POWERS 3-22 PAD
Well Name	POWERS 35N-22HZ
Survey Date	10/1/2015
Latitude	40.1293330°N
Longitude	104.6536970°W
Btotal	52579, 52624 nT
Dip	66.80 deg
Magnetic Declination	8.21, 8.23 deg
North Reference	True North
Grid Correction	None
Depth Reference	RKB (20.00 ft)
Calculation Method	Minimum Curvature
Section (VS) Ref	0.00N (ft), 0.00E (ft), 179.58Azim (deg)
Operator(s)	B. GREER, S. WAXLER

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
0.00	0.00	0.00	0.00	0.00	0.00	0.00	Invalid	Invalid
13.00	0.00	0.00	13.00	0.00	0.00	0.00	0.00	13.00
159.00	0.78	38.79	159.00	-0.77	0.77	0.62	0.53	146.00
249.00	1.19	344.24	248.98	-2.15	2.15	0.75	1.08	90.00
341.00	2.48	352.61	340.93	-5.04	5.04	0.24	1.43	92.00
431.00	4.07	347.88	430.79	-10.10	10.10	-0.68	1.79	90.00
521.00	5.21	352.57	520.49	-17.29	17.27	-1.88	1.33	90.00
611.00	6.58	348.12	610.01	-26.40	26.37	-3.47	1.60	90.00
701.00	7.83	349.52	699.30	-37.49	37.45	-5.65	1.40	90.00
791.00	8.56	349.62	788.38	-50.12	50.06	-7.97	0.81	90.00
881.00	8.91	352.11	877.34	-63.63	63.56	-10.14	0.57	90.00
971.00	9.01	350.85	966.24	-77.51	77.42	-12.21	0.24	90.00
1062.00	9.55	349.61	1056.05	-91.98	91.88	-14.71	0.63	91.00
1152.00	11.13	345.73	1144.58	-107.77	107.64	-18.20	1.92	90.00
1287.00	13.15	350.37	1276.56	-135.58	135.41	-23.98	1.66	135.00
1377.00	13.98	348.72	1364.05	-156.37	156.17	-27.82	1.02	90.00
1467.00	15.00	349.18	1451.19	-178.50	178.27	-32.13	1.14	90.00
1557.00	16.24	350.32	1537.86	-202.38	202.12	-36.43	1.42	90.00
1647.00	17.76	352.54	1623.93	-228.42	228.13	-40.33	1.84	90.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
1737.00	18.06	353.39	1709.56	-255.91	255.60	-43.72	0.44	90.00
1824.00	19.19	353.82	1792.01	-283.55	283.21	-46.81	1.31	87.00
1959.00	20.64	356.51	1918.93	-329.38	329.02	-50.65	1.27	135.00
2054.00	20.08	357.31	2008.00	-362.39	362.02	-52.43	0.66	95.00
2149.00	19.28	356.46	2097.45	-394.34	393.96	-54.16	0.89	95.00
2244.00	20.58	355.11	2186.76	-426.65	426.24	-56.56	1.46	95.00
2338.00	19.42	353.74	2275.10	-458.66	458.24	-59.67	1.34	94.00
2433.00	18.42	353.13	2364.96	-489.28	488.83	-63.18	1.07	95.00
2528.00	20.24	350.64	2454.61	-520.44	519.95	-67.65	2.11	95.00
2624.00	18.91	348.85	2545.05	-552.13	551.61	-73.36	1.52	96.00
2718.00	19.82	352.87	2633.74	-582.93	582.37	-78.29	1.72	94.00
2908.00	20.09	353.14	2812.33	-647.35	646.74	-86.18	0.15	190.00
3004.00	20.04	352.26	2902.50	-680.05	679.41	-90.37	0.32	96.00
3099.00	22.43	354.29	2991.05	-714.25	713.58	-94.36	2.63	95.00
3194.00	21.69	352.87	3079.09	-749.73	749.03	-98.35	0.96	95.00
3289.00	20.45	352.23	3167.74	-783.63	782.89	-102.77	1.32	95.00
3385.00	18.67	350.89	3258.19	-815.45	814.68	-107.47	1.91	96.00
3479.00	19.89	352.19	3346.92	-846.18	845.38	-112.03	1.38	94.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
3575.00	19.02	353.38	3437.44	-877.93	877.10	-116.05	0.99	96.00
3670.00	18.97	352.51	3527.27	-908.64	907.79	-119.84	0.30	95.00
3765.00	18.11	349.30	3617.34	-938.50	937.61	-124.60	1.41	95.00
3860.00	18.79	349.17	3707.45	-968.08	967.15	-130.22	0.71	95.00
3955.00	19.20	351.39	3797.28	-998.59	997.63	-135.43	0.88	95.00
4051.00	19.26	351.01	3887.92	-1029.88	1028.87	-140.27	0.15	96.00
4146.00	16.64	349.23	3978.29	-1058.75	1057.72	-145.26	2.82	95.00
4241.00	19.54	351.52	4068.59	-1087.87	1086.80	-150.15	3.14	95.00
4336.00	21.35	353.03	4157.60	-1120.78	1119.67	-154.59	1.99	95.00
4431.00	18.82	349.82	4246.82	-1153.06	1151.93	-159.40	2.90	95.00
4526.00	15.68	344.32	4337.54	-1180.56	1179.38	-165.58	3.72	95.00
4621.00	15.09	340.72	4429.14	-1204.65	1203.41	-173.14	1.18	95.00
4716.00	12.72	349.81	4521.36	-1226.66	1225.38	-179.07	3.39	95.00
4811.00	13.07	356.06	4613.97	-1247.69	1246.39	-181.66	1.52	95.00
4906.00	12.40	356.37	4706.63	-1268.60	1267.30	-183.04	0.71	95.00
5001.00	11.19	356.84	4799.62	-1288.00	1286.69	-184.20	1.28	95.00
5097.00	9.85	357.53	4894.00	-1305.52	1304.20	-185.06	1.40	96.00
5191.00	8.97	355.31	4986.74	-1320.86	1319.53	-186.01	1.02	94.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
5286.00	7.93	351.83	5080.71	-1334.73	1333.39	-187.55	1.22	95.00
5382.00	7.52	354.43	5175.84	-1347.55	1346.20	-189.10	0.56	96.00
5476.00	4.54	1.47	5269.31	-1357.40	1356.05	-189.60	3.26	94.00
5570.00	3.57	7.51	5363.07	-1364.02	1362.67	-189.12	1.13	94.00
5666.00	3.37	4.23	5458.89	-1369.79	1368.44	-188.52	0.29	96.00
5760.00	2.09	34.02	5552.79	-1373.96	1372.63	-187.36	1.99	94.00
5856.00	1.44	69.00	5648.75	-1375.83	1374.51	-185.25	1.28	96.00
5951.00	1.34	64.14	5743.72	-1376.73	1375.43	-183.13	0.17	95.00
6045.00	1.04	88.29	5837.70	-1377.22	1375.93	-181.29	0.61	94.00
6138.00	1.38	101.34	5930.68	-1377.01	1375.74	-179.34	0.46	93.00
6232.00	0.93	77.40	6024.66	-1376.95	1375.68	-177.49	0.69	94.00
6327.00	0.98	83.18	6119.65	-1377.20	1375.95	-175.94	0.11	95.00
6422.00	0.68	106.10	6214.64	-1377.13	1375.89	-174.59	0.47	95.00
6516.00	1.08	80.39	6308.62	-1377.11	1375.88	-173.18	0.59	94.00
6611.00	3.79	169.30	6403.55	-1374.16	1372.94	-171.71	4.13	95.00
6706.00	10.53	179.07	6497.76	-1362.37	1361.16	-170.99	7.18	95.00
6800.00	15.86	180.71	6589.24	-1340.93	1339.71	-171.01	5.68	94.00
6895.00	24.73	183.80	6678.26	-1308.07	1306.84	-172.49	9.41	95.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
6989.00	35.38	183.37	6759.50	-1261.17	1259.92	-175.40	11.33	94.00
7084.00	45.30	183.76	6831.82	-1199.90	1198.62	-179.23	10.44	95.00
7178.00	53.50	181.04	6892.95	-1128.68	1127.38	-182.11	9.00	94.00
7273.00	62.66	177.84	6943.14	-1048.15	1046.85	-181.21	10.05	95.00
7368.00	74.16	176.36	6978.03	-960.05	958.78	-176.70	12.19	95.00
7462.00	84.25	176.60	6995.62	-867.97	866.74	-171.05	10.73	94.00
7557.00	87.24	177.26	7002.67	-773.34	772.15	-165.98	3.23	95.00
7652.00	86.87	177.95	7007.55	-678.53	677.36	-162.02	0.82	95.00
7746.00	88.49	180.73	7011.35	-584.62	583.45	-160.93	3.41	94.00
7840.00	88.55	182.27	7013.78	-490.70	489.52	-163.39	1.64	94.00
7935.00	89.13	183.12	7015.71	-395.86	394.64	-167.85	1.08	95.00
8029.00	89.33	183.27	7016.97	-302.06	300.80	-173.09	0.27	94.00
8124.00	88.89	184.44	7018.45	-207.34	206.03	-179.48	1.31	95.00
8219.00	90.37	182.51	7019.06	-112.57	111.21	-185.24	2.56	95.00
8314.00	91.28	182.89	7017.70	-17.72	16.33	-189.71	1.04	95.00
8409.00	89.97	181.25	7016.66	77.18	-78.60	-193.14	2.21	95.00
8503.00	89.60	180.98	7017.02	171.15	-172.58	-194.97	0.48	94.00
8598.00	90.17	181.18	7017.22	266.11	-267.56	-196.76	0.64	95.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
8693.00	91.68	181.42	7015.69	361.06	-362.52	-198.91	1.61	95.00
8788.00	90.67	180.91	7013.74	456.00	-457.48	-200.84	1.19	95.00
8883.00	88.99	179.63	7014.01	550.98	-552.48	-201.29	2.22	95.00
8978.00	89.43	180.42	7015.32	645.97	-647.47	-201.34	0.94	95.00
9073.00	90.37	180.32	7015.49	740.96	-742.46	-201.95	0.99	95.00
9168.00	90.57	180.11	7014.71	835.95	-837.46	-202.30	0.31	95.00
9263.00	89.36	179.84	7014.77	930.95	-932.46	-202.26	1.30	95.00
9358.00	89.09	180.22	7016.05	1025.94	-1027.45	-202.31	0.49	95.00
9453.00	88.76	180.37	7017.83	1120.91	-1122.43	-202.80	0.39	95.00
9547.00	91.04	179.59	7017.99	1214.90	-1216.42	-202.76	2.56	94.00
9642.00	91.75	179.93	7015.68	1309.87	-1311.39	-202.37	0.83	95.00
9737.00	90.60	178.94	7013.73	1404.85	-1406.37	-201.43	1.59	95.00
9831.00	90.67	179.36	7012.69	1498.84	-1500.35	-200.04	0.45	94.00
9926.00	90.44	178.02	7011.77	1593.82	-1595.32	-197.87	1.42	95.00
10022.00	90.97	178.80	7010.59	1689.80	-1691.27	-195.20	0.98	96.00
10116.00	89.90	177.82	7009.87	1783.77	-1785.23	-192.43	1.55	94.00
10211.00	89.73	177.89	7010.18	1878.72	-1880.16	-188.87	0.20	95.00
10307.00	89.93	178.01	7010.46	1974.68	-1976.10	-185.44	0.24	96.00

MD ft	Inc deg	Azim deg	TVD ft	VS ft	+N/-S ft	+E/-W ft	DLS °/100ft	Course Length ft
10402.00	90.67	177.86	7009.96	2069.64	-2071.03	-182.01	0.79	95.00
10497.00	89.66	179.03	7009.68	2164.62	-2165.99	-179.44	1.62	95.00
10592.00	90.71	178.51	7009.37	2259.61	-2260.97	-177.40	1.23	95.00
10686.00	89.26	180.52	7009.40	2353.60	-2354.96	-176.60	2.63	94.00
10781.00	89.97	180.04	7010.04	2448.59	-2449.96	-177.06	0.90	95.00
10875.00	90.67	180.83	7009.52	2542.58	-2543.95	-177.78	1.12	94.00
10970.00	89.06	179.98	7009.74	2637.56	-2638.94	-178.45	1.92	95.00
11065.00	89.36	180.03	7011.05	2732.55	-2733.93	-178.46	0.32	95.00
11160.00	90.10	180.12	7011.49	2827.55	-2828.93	-178.59	0.78	95.00
11254.00	91.04	180.52	7010.56	2921.53	-2922.93	-179.11	1.09	94.00
11349.00	89.43	179.86	7010.17	3016.52	-3017.92	-179.43	1.83	95.00
11444.00	90.17	179.54	7010.50	3111.52	-3112.92	-178.93	0.85	95.00
11539.00	88.89	179.17	7011.28	3206.52	-3207.91	-177.86	1.40	95.00
11634.00	89.53	179.29	7012.59	3301.51	-3302.89	-176.57	0.68	95.00
11729.00	90.17	178.35	7012.84	3396.50	-3397.87	-174.61	1.19	95.00
11824.00	89.03	178.45	7013.51	3491.47	-3492.83	-171.96	1.21	95.00
11918.00	88.93	178.44	7015.18	3585.44	-3586.78	-169.41	0.11	94.00
12013.00	89.36	178.82	7016.60	3680.41	-3681.74	-167.13	0.61	95.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft
12108.00	89.93	178.03	7017.19	3775.39	-3776.70	-164.52	1.02	95.00
12203.00	91.88	178.00	7015.69	3870.34	-3871.63	-161.24	2.05	95.00
12299.00	89.93	177.24	7014.17	3966.27	-3967.53	-157.25	2.18	96.00
12394.00	89.66	177.85	7014.50	4061.20	-4062.44	-153.18	0.70	95.00
12489.00	88.72	177.91	7015.84	4156.15	-4157.36	-149.66	0.99	95.00
12584.00	88.96	178.98	7017.76	4251.11	-4252.31	-147.08	1.15	95.00
12680.00	89.13	178.84	7019.36	4347.09	-4348.27	-145.25	0.23	96.00

MD	Inc	Azim	TVD	VS	+N/-S	+E/-W	DLS	Course Length
ft	deg	deg	ft	ft	ft	ft	°/100ft	ft

5" = 100' FEET MD