



400841361

MD

Oil Company	Whiting Oil & Gas Corporation
-------------	-------------------------------

S7-T10N-R57W

Horsetail FED 07F-0640

05-123-41773-00

WILDCAT (Weld)

Colorado

 Well Type |

40.853600°

-103.795733° W

1558345.98 usft

3471450.81 usft

True No

Lead Hand	Cameron Potter
-----------	----------------

Aaron Evan

4899.00 usft

KB =	4920.00 usft
------	--------------

Feb/19/2016

Casing Record

To	
----	--

1977.00 ft	
------------	--

--	--

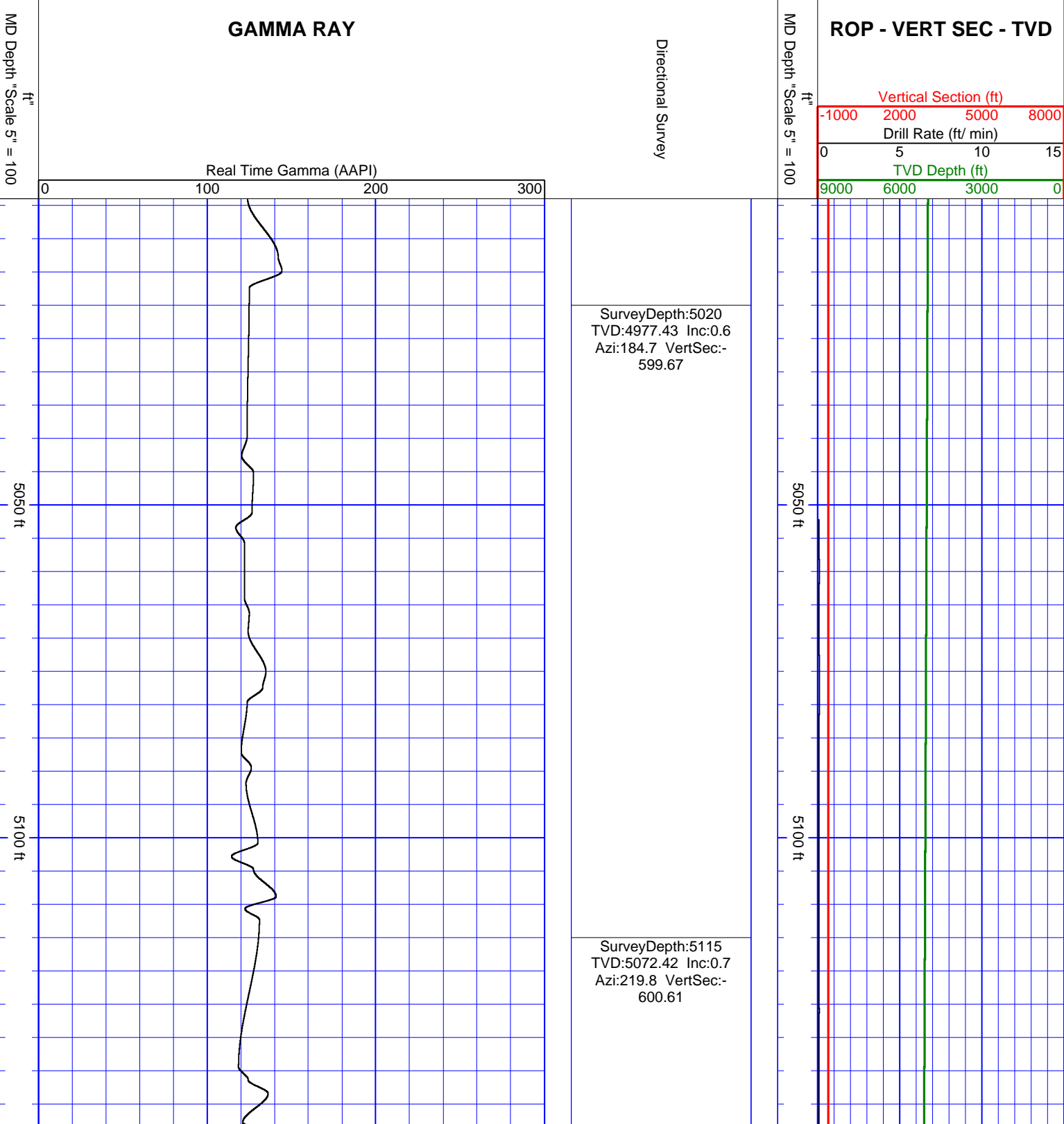
--	--

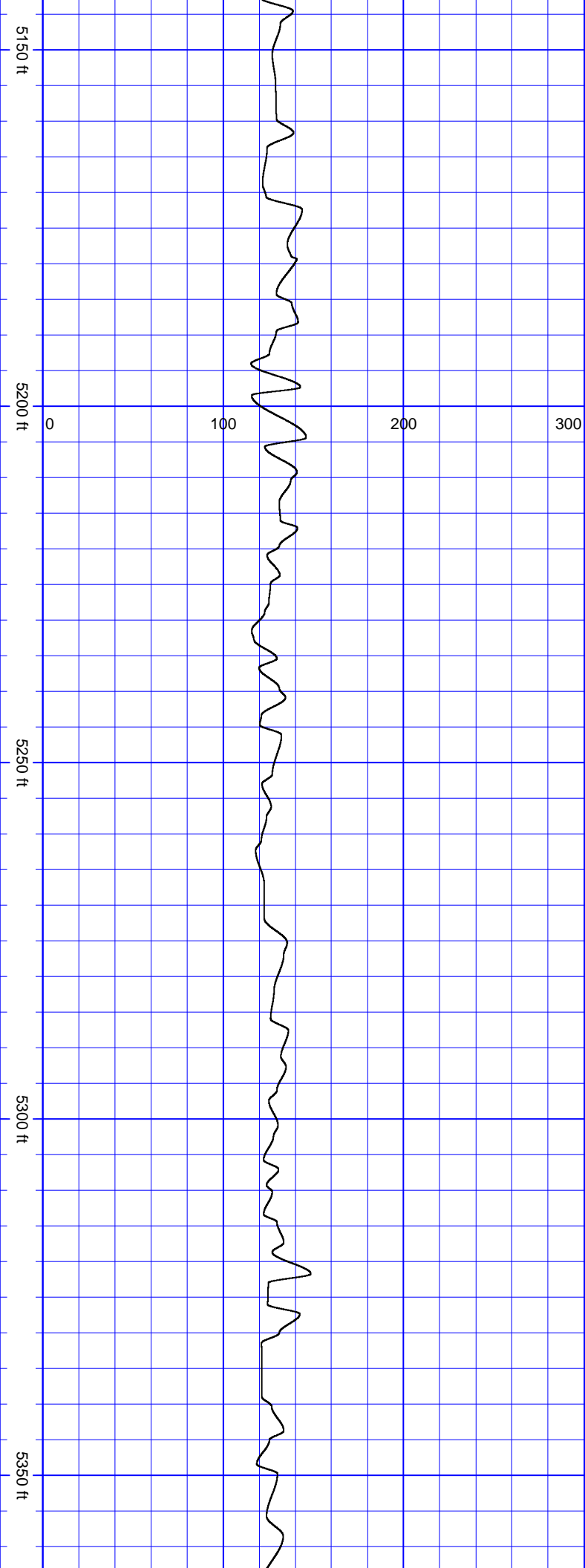
--	--

Run Data					
Bit Run Number	1	2	3	4	5
Start Date & Time	Feb/14/2016 09:30:00	Feb/14/2016 09:30:00	Feb/17/2016 11:45:00	Feb/18/2016 07:15:00	Feb/18/2016 14:30:00
End Date & Time	Feb/09/2016 21:45:00	Feb/09/2016 21:45:00	Feb/18/2016 05:30:00	Feb/18/2016 13:30:00	Feb/20/2016 02:00:00
Run Hours	13.3 hrs	43.3 hrs	17.8	6.7	35.5
Depth In	90.00 ft	1990.00 usft	10292.00 ft	11052.00 ft	11052.00 ft
Depth Out	1990.00 ft	10292.00 ft	11052.00 ft	11052.00 ft	13590.00 ft
Total Gamma Correction	N/A	5.10	5.10	6.04	6.24
Gamma to Bit	N/A	47.81 ft	50.47 ft	55.12 ft	55.04 ft
Resistivity to Bit	N/A	N/A	N/A	N/A	N/A
Mud Type	Water	LSND	LSND	LSND	LSND
Density	10.0 ppg	10.0 ppg	10.4 ppg	N/A	10.35 ppg
Viscosity	N/A	41 sec/qt	41 sec/qt	N/A	44 sec/qt
PH	N/A	8.7	8.7	N/A	8.4
Fluid Loss	N/A	9.0 mL/30 min	9.0 mL/30 min	N/A	9.0 mL/30 min
K+ ppm	N/A	N/A	N/A	N/A	N/A
CL- ppm	N/A	N/A	N/A	N/A	N/A
Max Mud Temp	86 °F	212 °F	212 °F	N/A °F	230 °F
Mud Report Depth	1990	10292.00 ft	10292.00 ft	11052.00 ft	13590.00 ft

Remarks	
---------	--

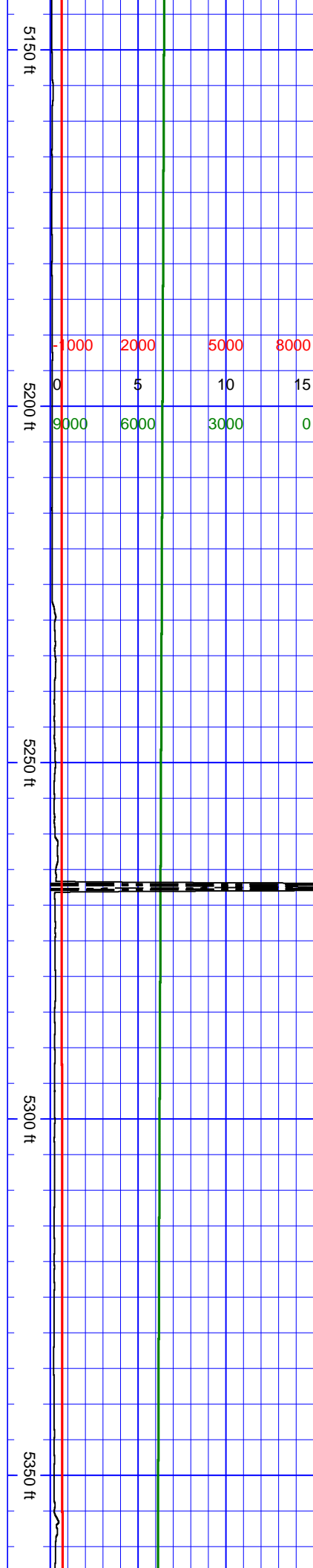
Interpretations of this data by Cathedral Energy Services will be of best judgment as to correctness. Cathedral Energy Services cannot and does not guarantee the accuracy or correctness of interpretations or any surveys derived therefrom. Cathedral Energy Services makes no warranties of performance, results, fitness or suitability for any particular purposes with respect to the goods being furnished under the terms and conditions. Cathedral Energy Services warrants that the equipment furnished will conform to Cathedral Energy Services published specifications in effect at the time and be in good working order.





SurveyDepth:5209
TVD:5166.41 Inc:1
Azi:224.6 VertSec:-
601.63

SurveyDepth:5303
TVD:5259.93 Inc:10.4
Azi:358.8 VertSec:-593.7

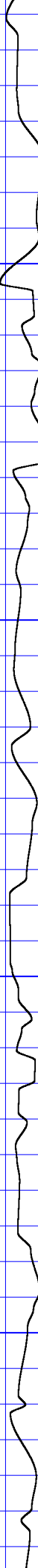


5400 ft 0 100 200 300

5450 ft

5500 ft

5550 ft



SurveyDepth:5398
TVD:5350.49 Inc:23.9
Azi:2 VertSec:-565.77

SurveyDepth:5493
TVD:5436.05 Inc:27.6
Azi:359.5 VertSec:-524.52

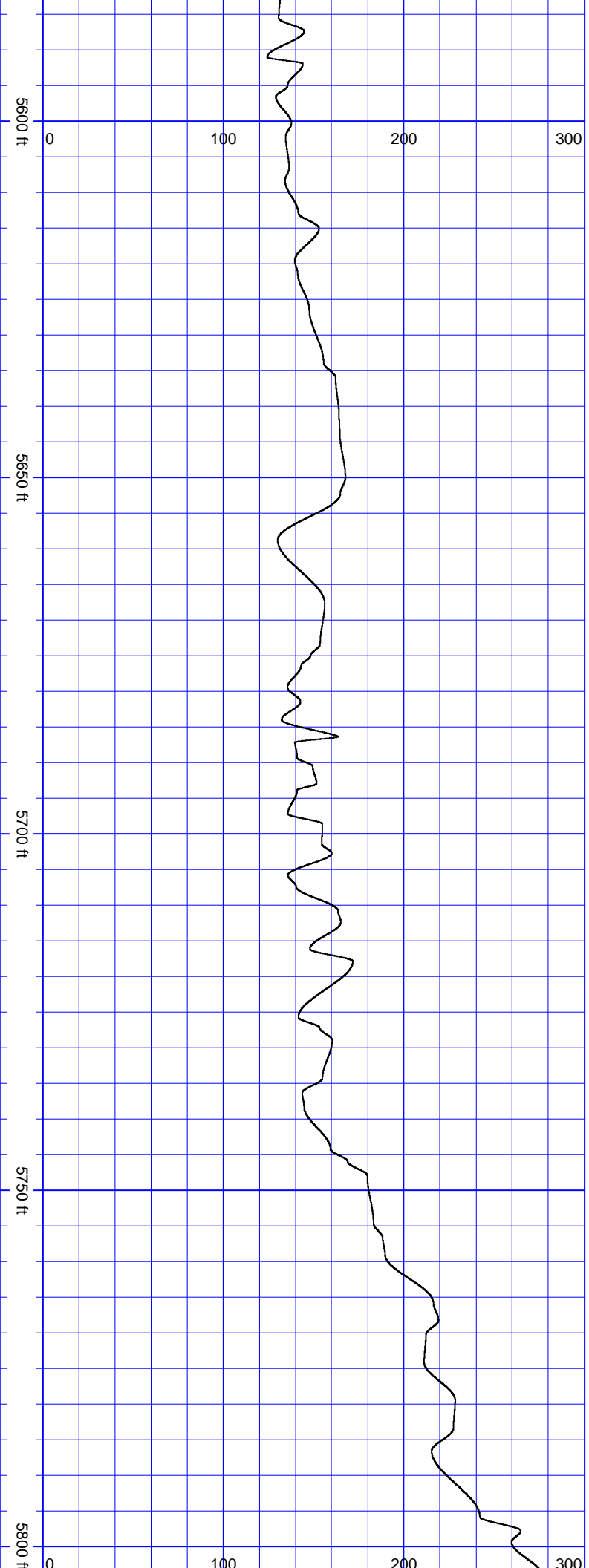
5400 ft 0 5 10 15
1000 2000 5000 8000
9000 6000 3000 0

5450 ft

5500 ft

5550 ft

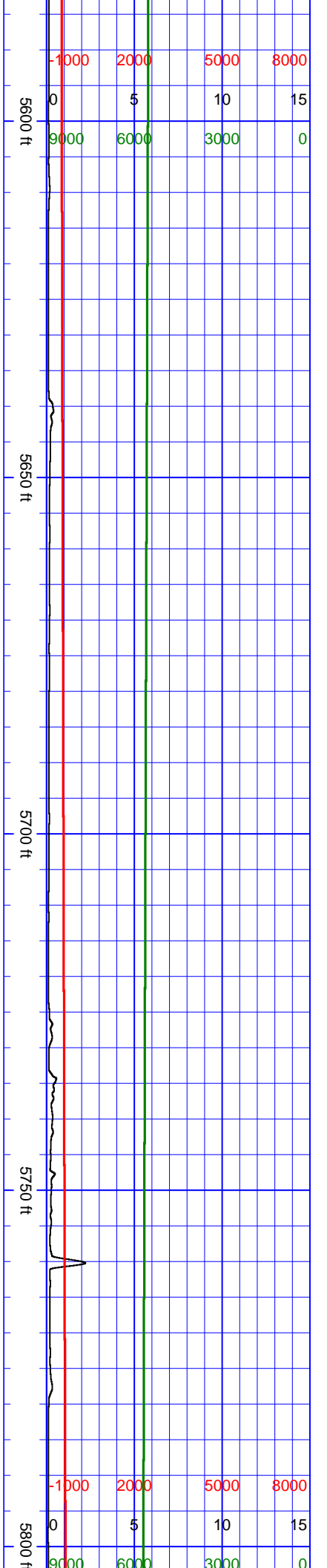


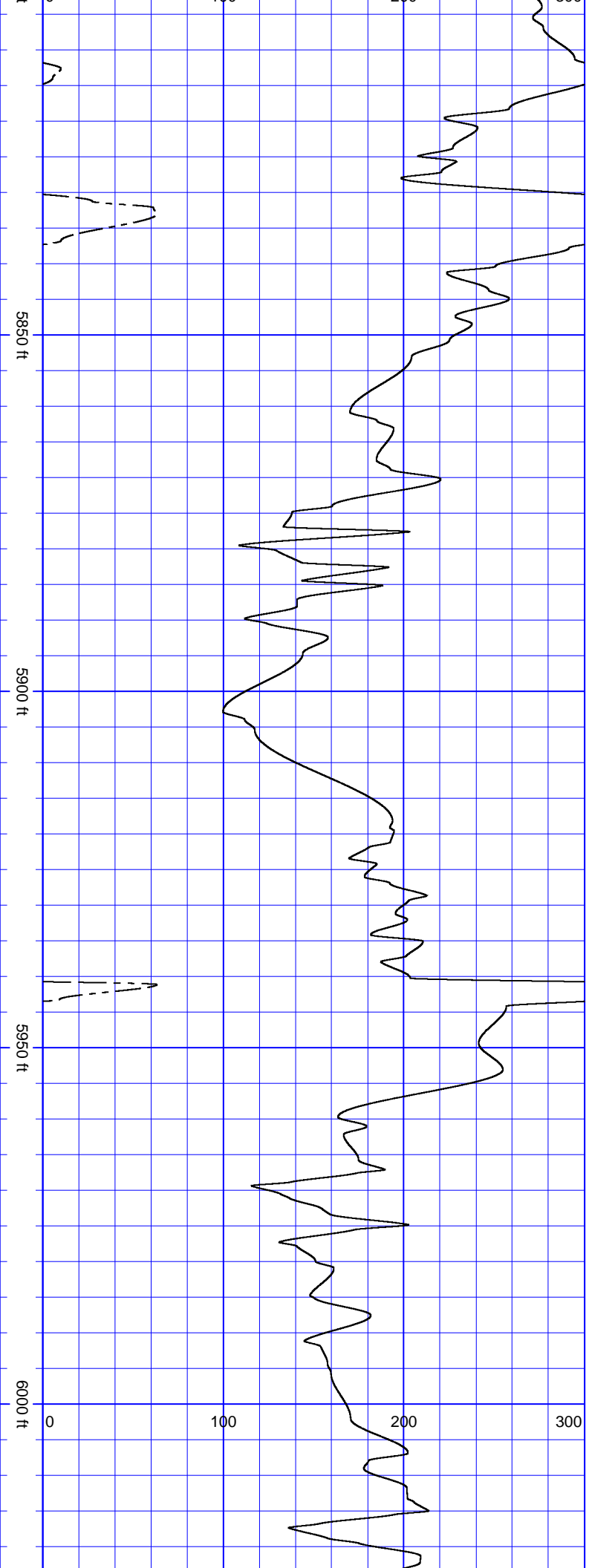


SurveyDepth:5587
TVD:5518.3 Inc:30.3
Azi:358.1 VertSec:-
479.03

SurveyDepth:5681
TVD:5596.64 Inc:36.7
Azi:359.6 VertSec:-
427.18

SurveyDepth:5775
TVD:5666.85 Inc:46.5
Azi:358 VertSec:-364.86





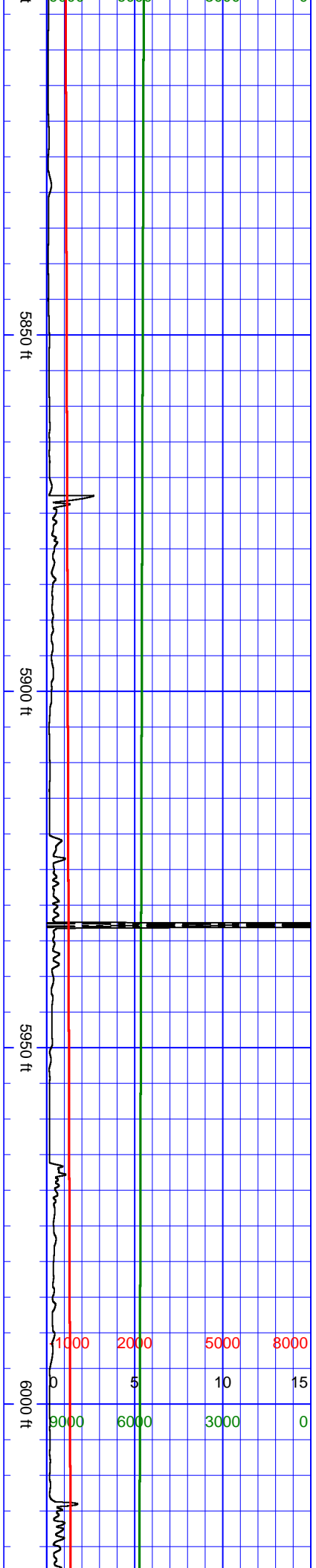
SurveyDepth:5822
TVD:5699.2 Inc:46.5
Azi:357.4 VertSec:-
330.78

SurveyDepth:5869
TVD:5731.62 Inc:46.3
Azi:356.9 VertSec:-
296.78

SurveyDepth:5916
TVD:5763.37 Inc:48.7
Azi:357.6 VertSec:-
262.15

SurveyDepth:5962
TVD:5792.72 Inc:52
Azi:358.4 VertSec:-
226.75

SurveyDepth:6009
TVD:5820.64 Inc:55.1
Azi:358.1 VertSec:-
188.96



1000 2000 5000 8000

0 5 10 15

9000 6000 3000 0

6050 ft

6100 ft

6150 ft

6200 ft

0 100 200 300

SurveyDepth:6056
TVD:5846.95 Inc:56.8
Azi:358.1 VertSec:-
150.03

SurveyDepth:6103
TVD:5871.22 Inc:61
Azi:359.9 VertSec:-109.8

SurveyDepth:6150
TVD:5891.9 Inc:66.8
Azi:2.4 VertSec:-67.63

SurveyDepth:6197
TVD:5908.27 Inc:72.4
Azi:2 VertSec:-23.65

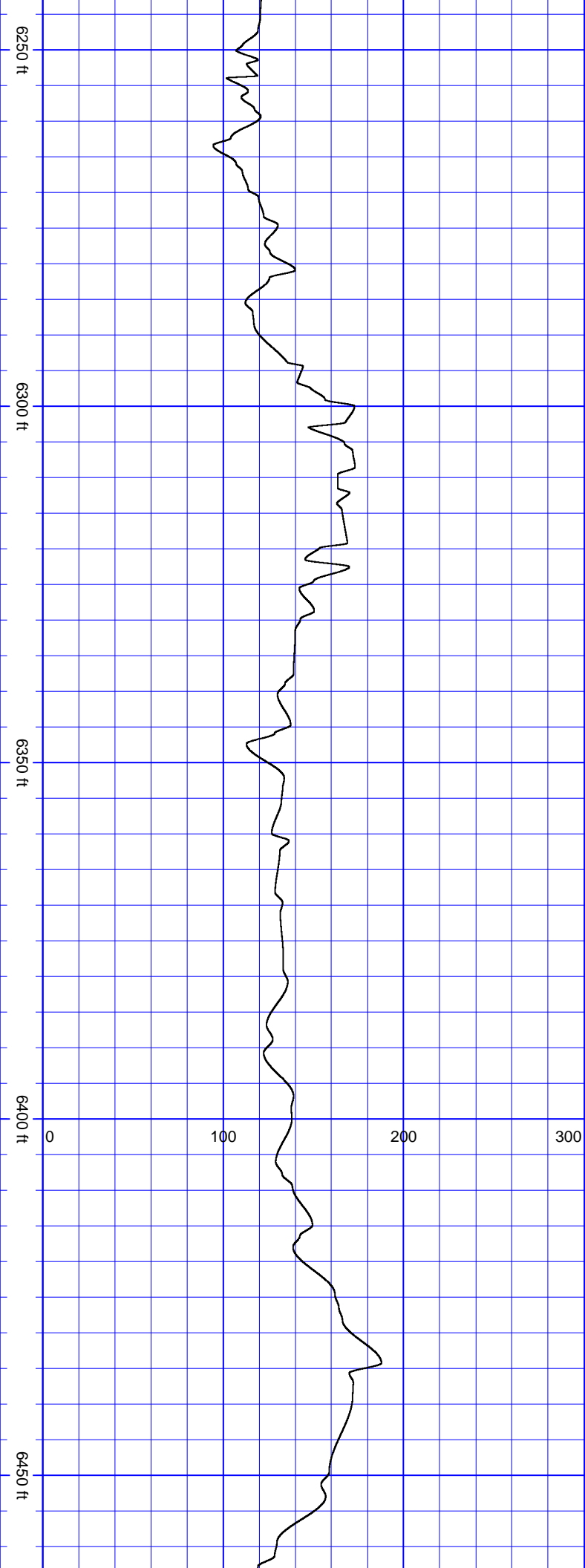
6050 ft

6100 ft

6150 ft

6200 ft

4000 2000 5000 8000
0 5 10 15
9000 6000 3000 0

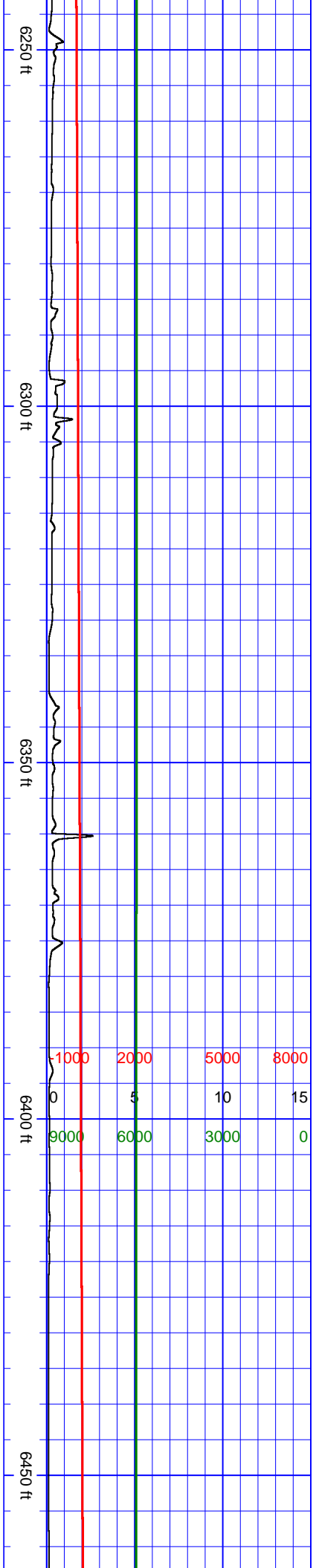


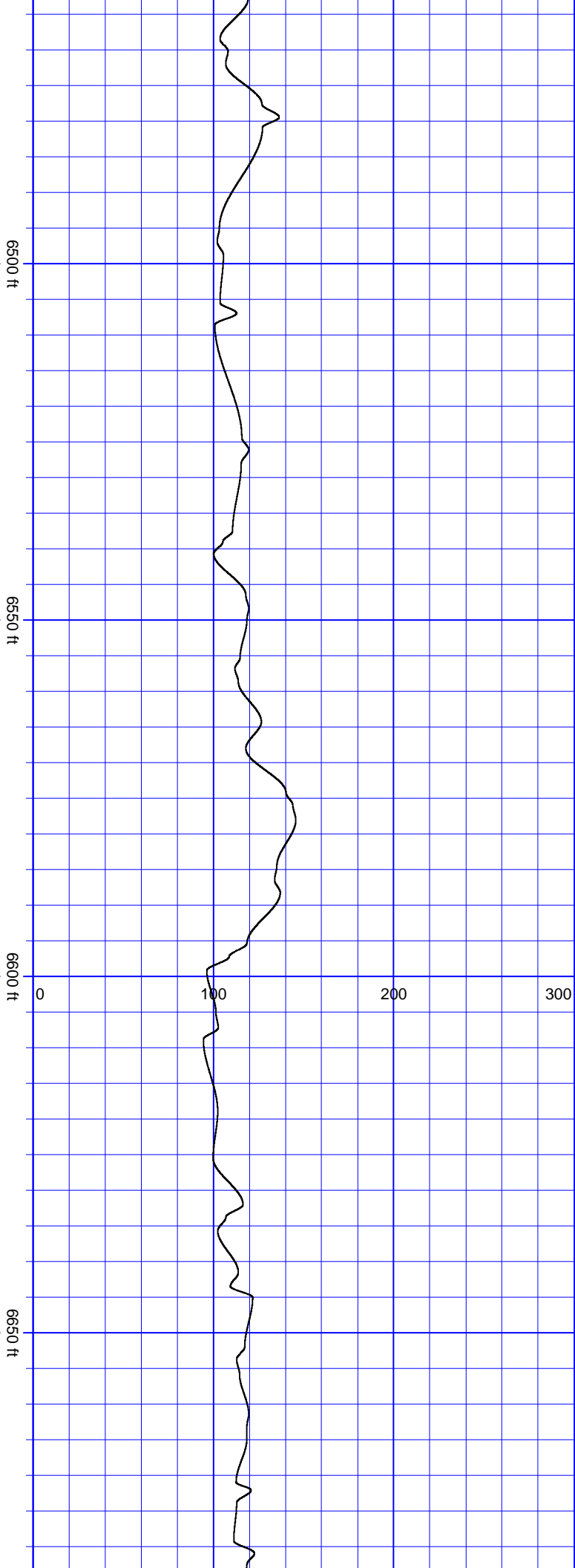
SurveyDepth:6244
TVD:5920.67 Inc:77
Azi:0.3 VertSec:21.65

SurveyDepth:6291
TVD:5929.15 Inc:82.2
Azi:0.4 VertSec:67.86

SurveyDepth:6339
TVD:5934.04 Inc:86.1
Azi:1.7 VertSec:115.58

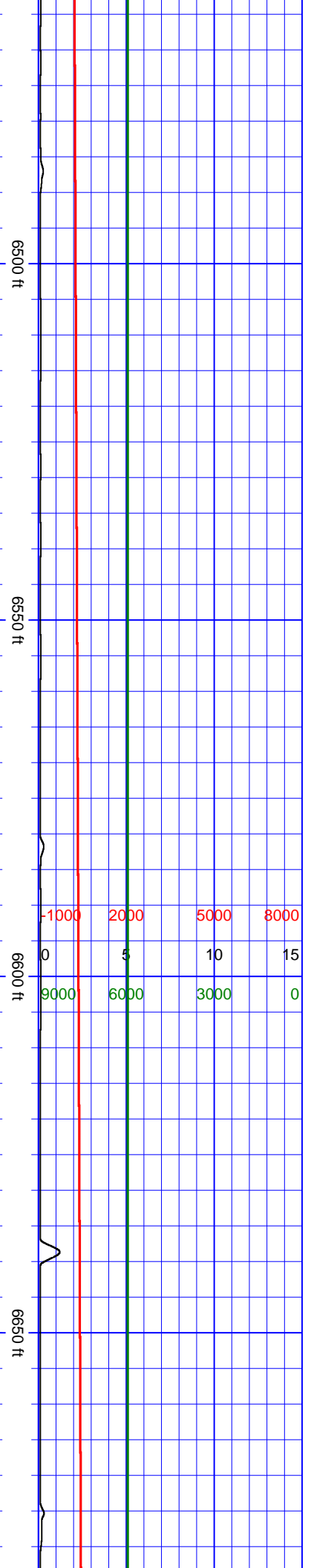
SurveyDepth:6433
TVD:5937.24 Inc:90
Azi:0.3 VertSec:209.47

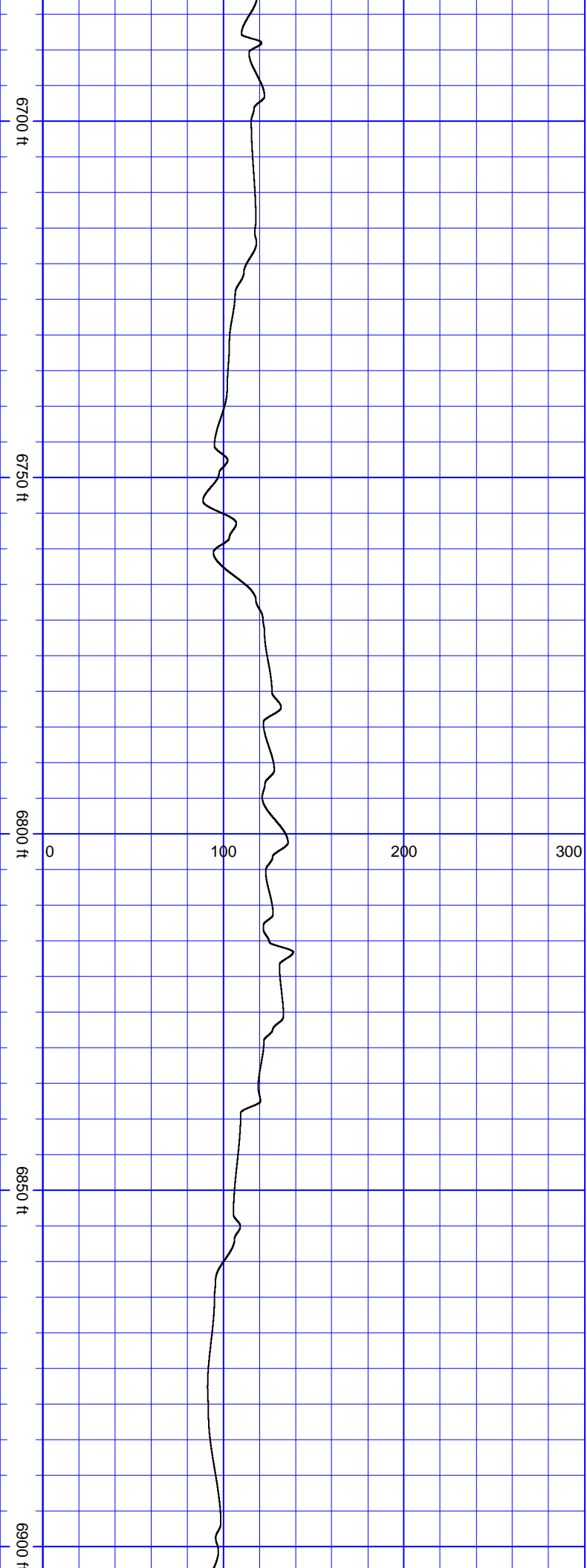




SurveyDepth:6528
TVD:5937.16 Inc:90.1
Azi:359.9
VertSec:304.47

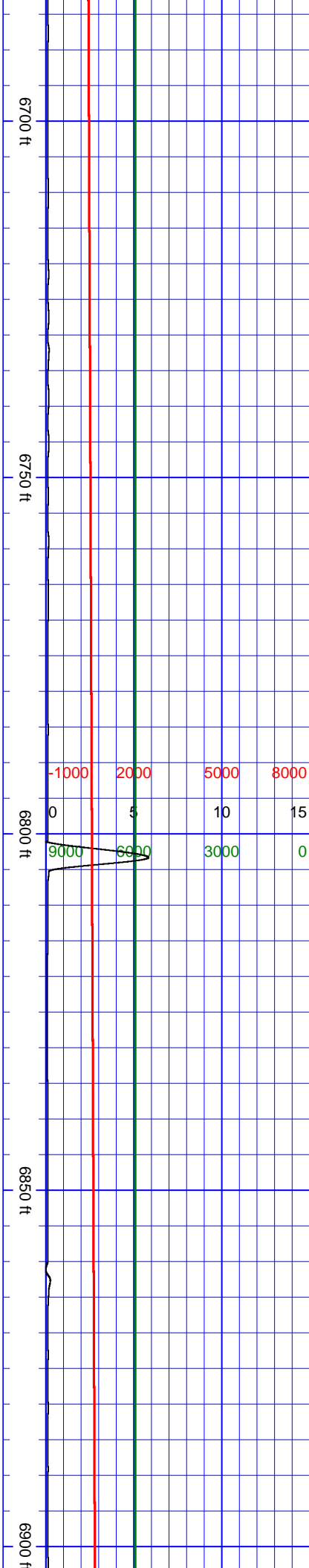
SurveyDepth:6622
TVD:5937 Inc:90.1
Azi:359.4
VertSec:398.47

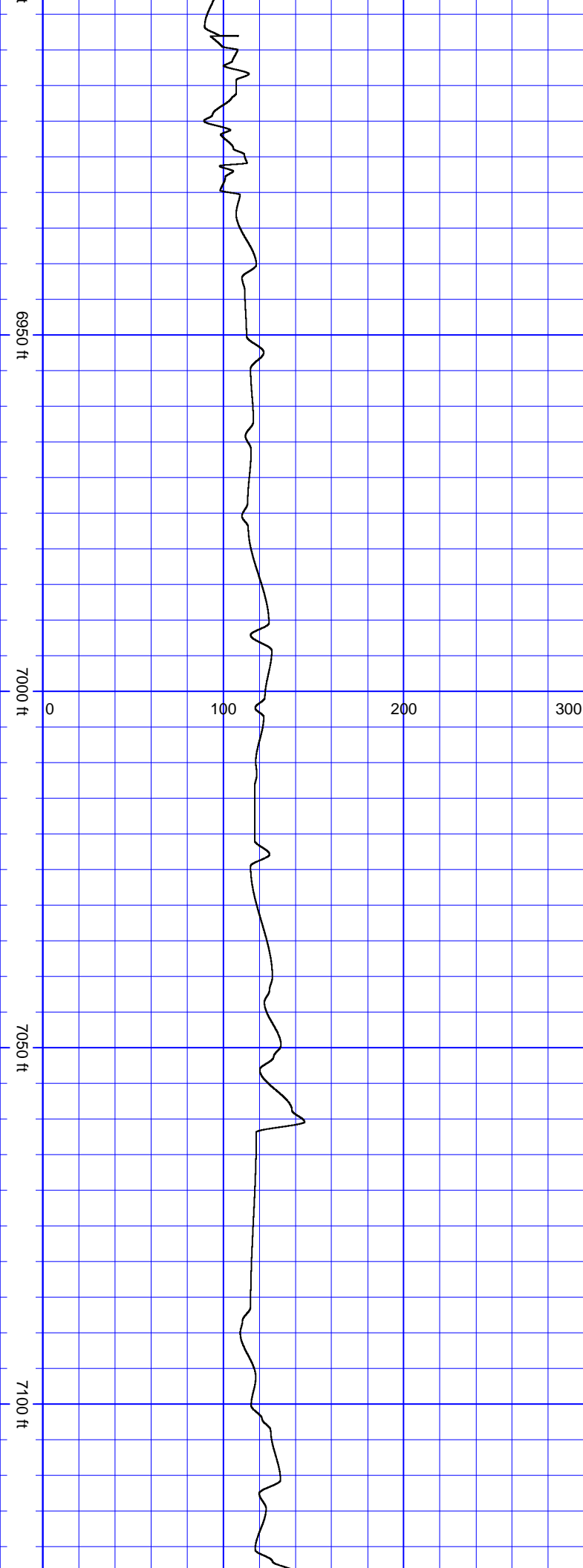




SurveyDepth:6714
TVD:5936.75 Inc:90.2
Azi:359.5
VertSec:490.47

SurveyDepth:6808
TVD:5936.75 Inc:89.8
Azi:359 VertSec:584.47

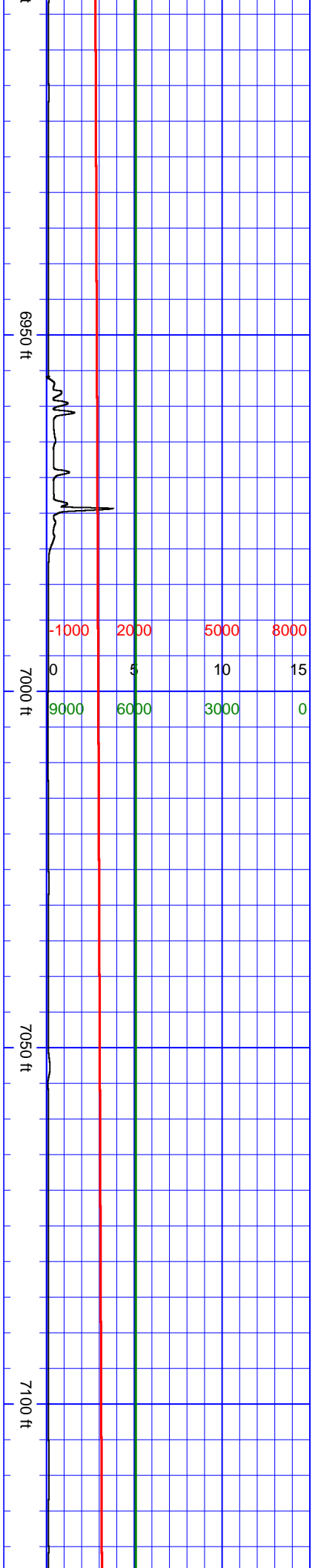




SurveyDepth:6903
TVD:5937.25 Inc:89.6
Azi:357.9
VertSec:679.45

SurveyDepth:6997
TVD:5936.92 Inc:90.8
Azi:0.3 VertSec:773.44

SurveyDepth:7091
TVD:5936.02 Inc:90.3
Azi:359.5
VertSec:867.43



7150 ft

7200 ft

7250 ft

7300 ft

0 100 200 300

SurveyDepth:7184
TVD:5935.29 Inc:90.6
Azi:359.6
VertSec:960.43

SurveyDepth:7277
TVD:5934.15 Inc:90.8
Azi:358.6
VertSec:1053.41

7150 ft

7200 ft

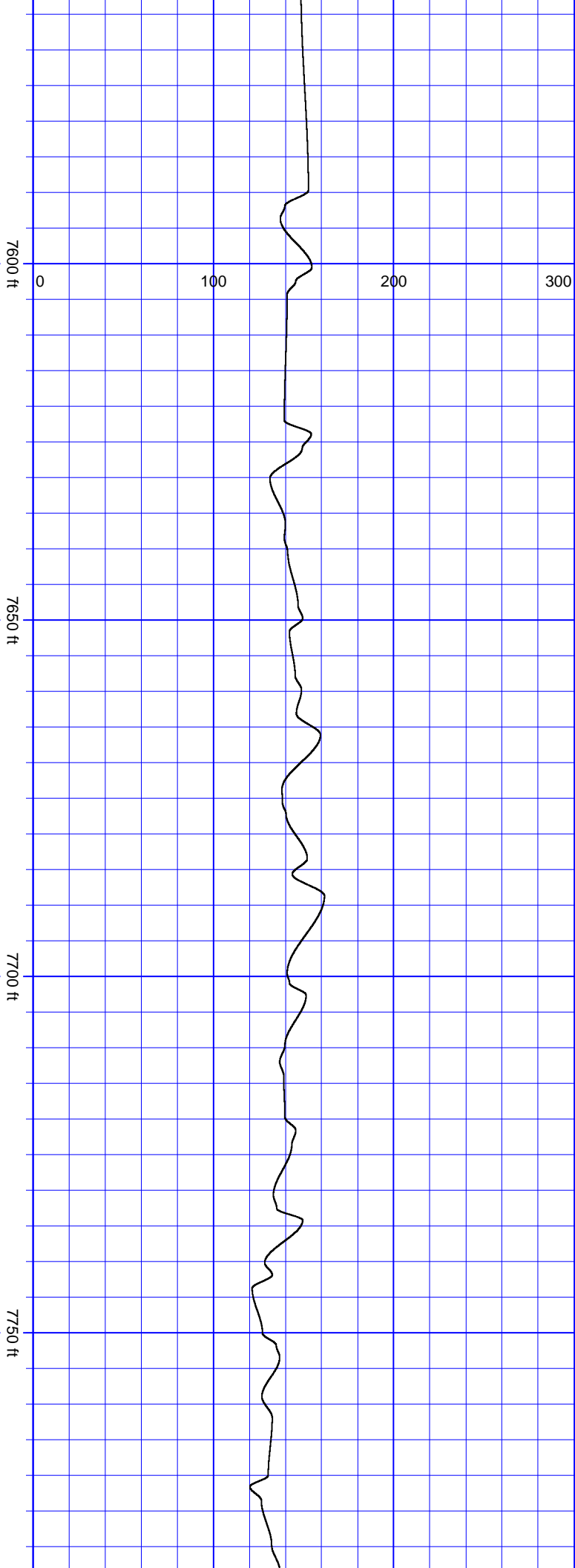
7250 ft

7300 ft

-1000 2000 5000 8000

0 5 10 15

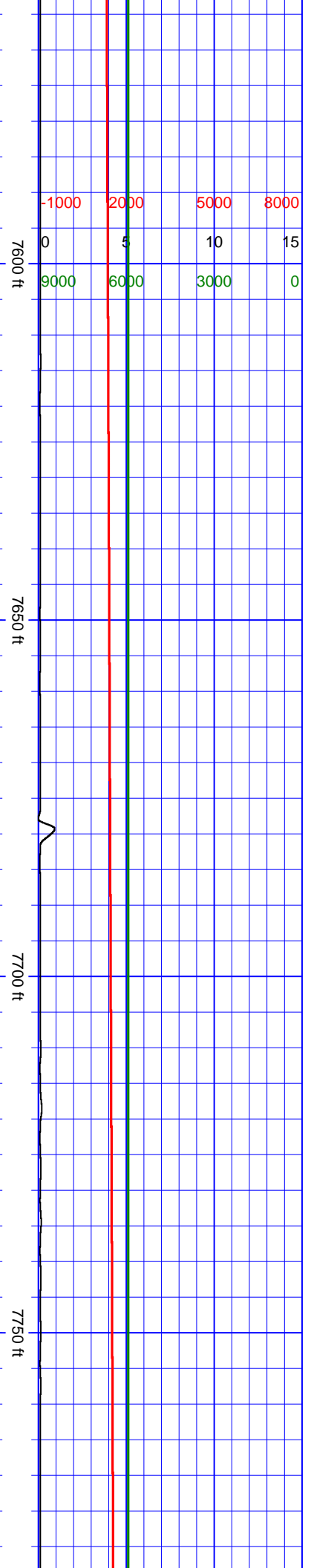
9000 6000 3000 0

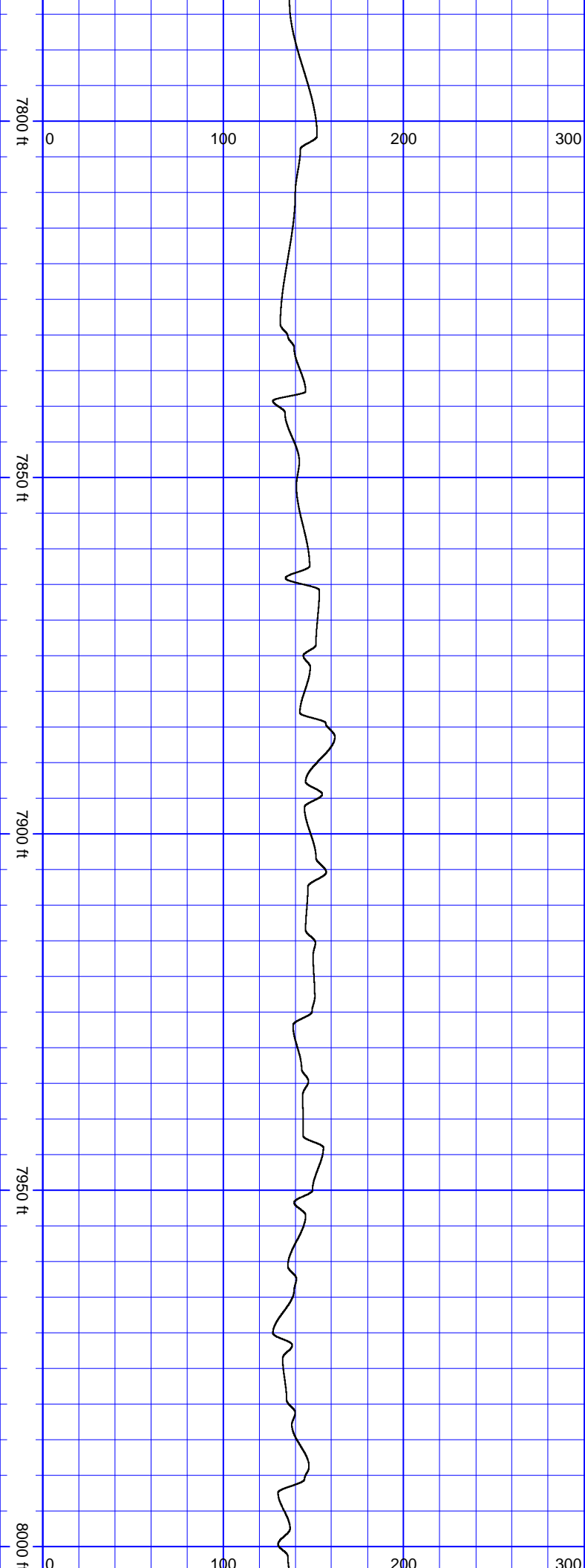


TVD:5933.18 Inc:89.6
Azi:0.6 VertSec:1335.3

SurveyDepth:7653
TVD:5933.82 Inc:89.4
Azi:0.5 VertSec:1429.29

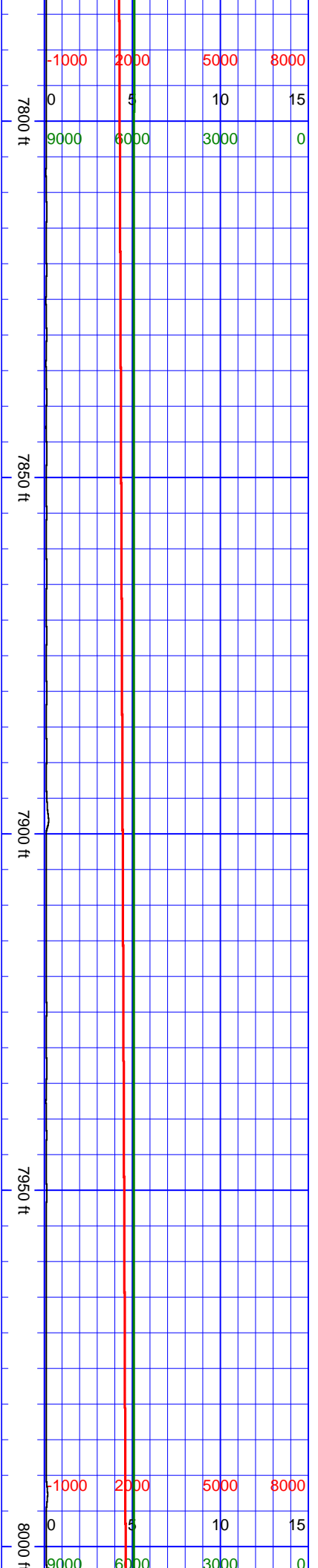
SurveyDepth:7747
TVD:5934.64 Inc:89.6
Azi:0.5 VertSec:1523.27

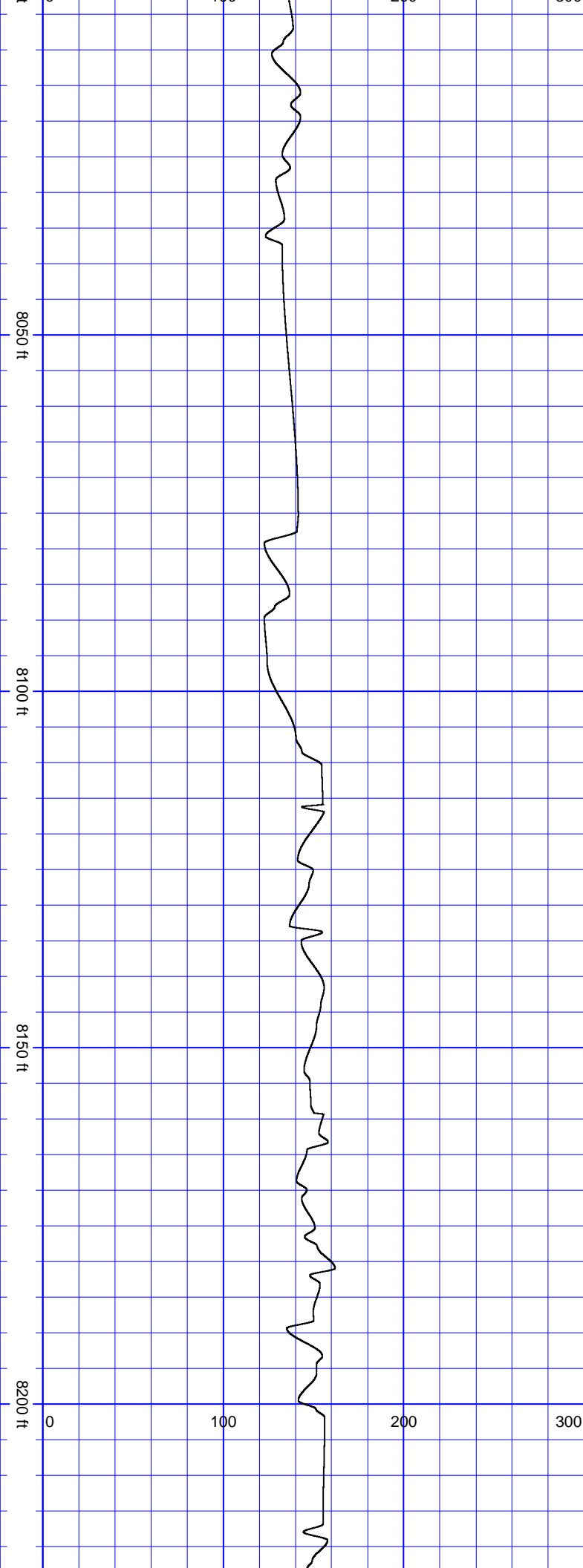




SurveyDepth:7841
TVD:5935.54 Inc:89.3
Azi:0.2 VertSec:1617.25

SurveyDepth:7935
TVD:5935.79 Inc:90.4
Azi:1.4 VertSec:1711.22

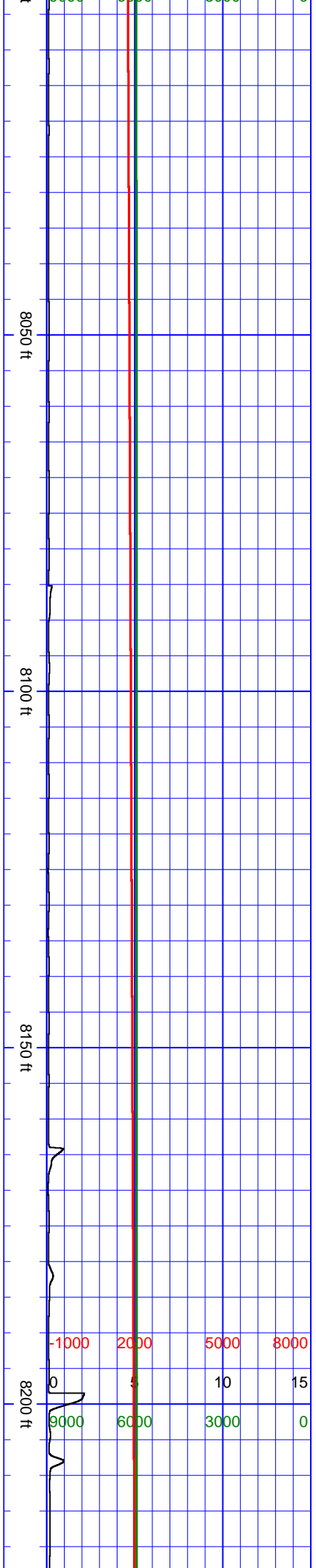


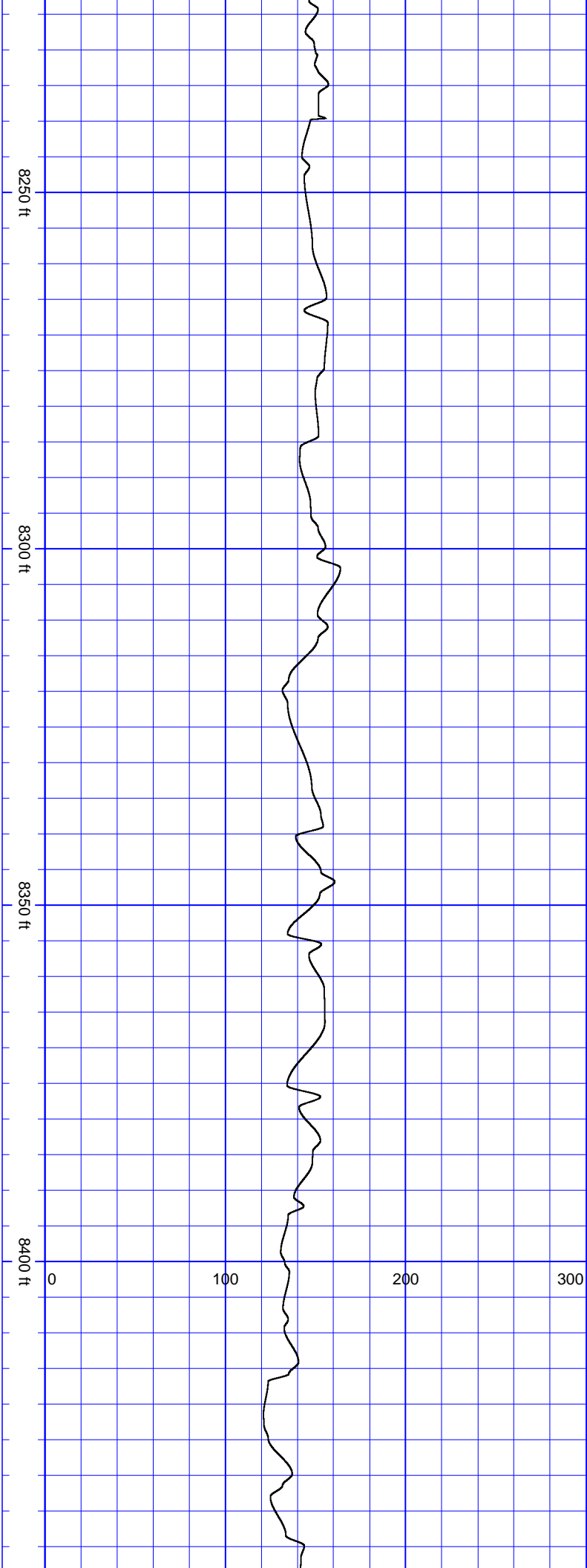


SurveyDepth:8030
TVD:5935.12 Inc:90.4
Azi:0.4 VertSec:1806.19

SurveyDepth:8125
TVD:5934.21 Inc:90.7
Azi:1.3 VertSec:1901.16

SurveyDepth:8220

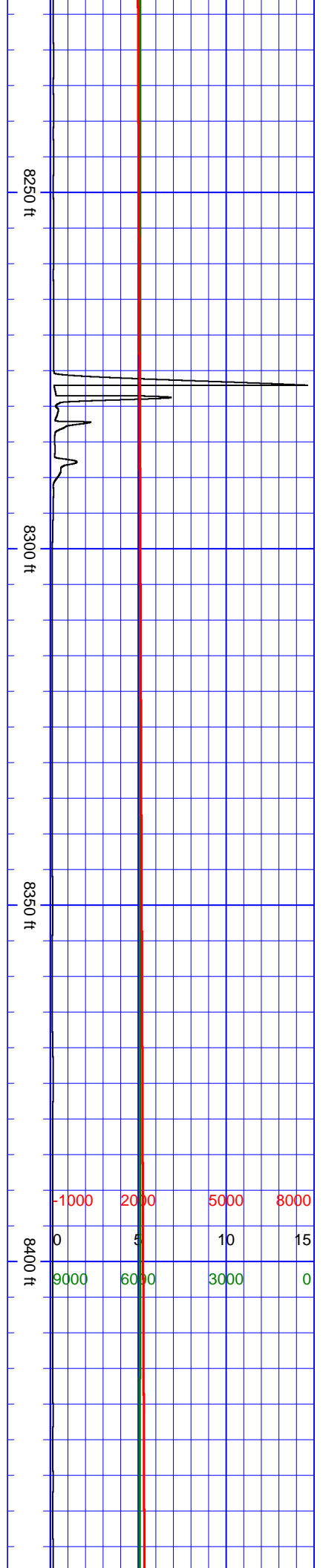


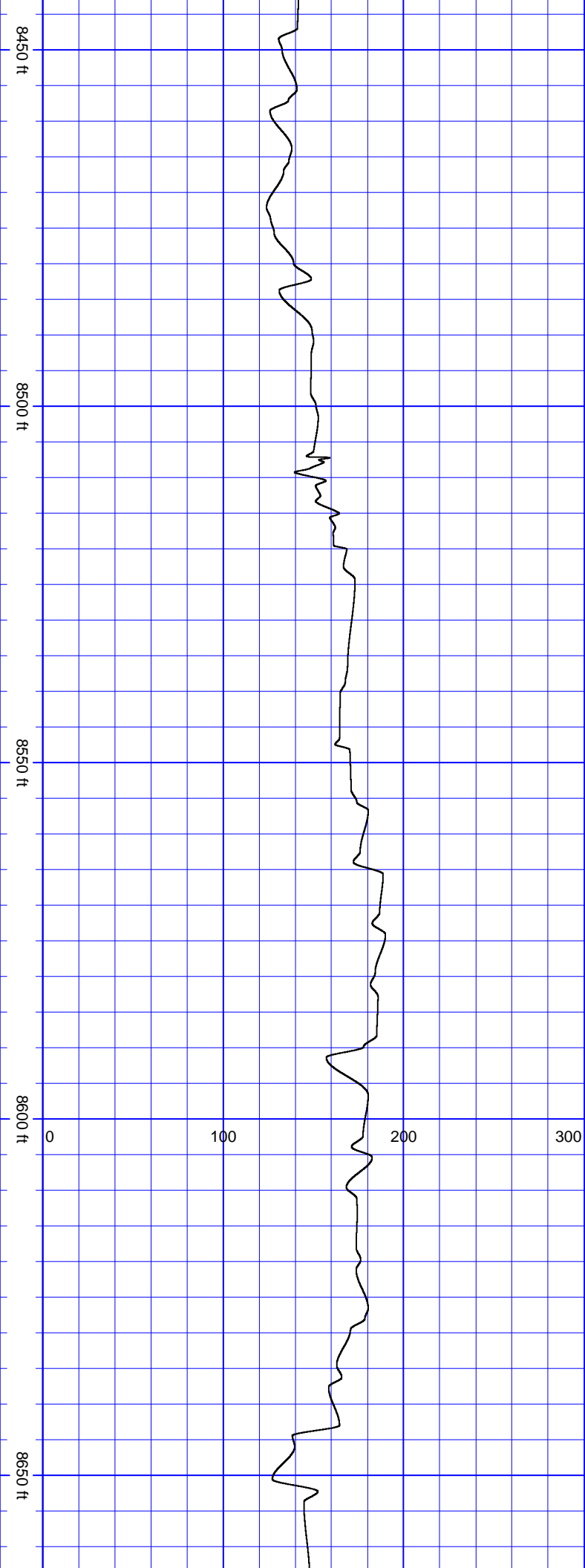


TVD:5933.22 Inc:90.5
Azi:1.1 VertSec:1996.11

SurveyDepth:8315
TVD:5933.63 Inc:89
Azi:1.3 VertSec:2091.06

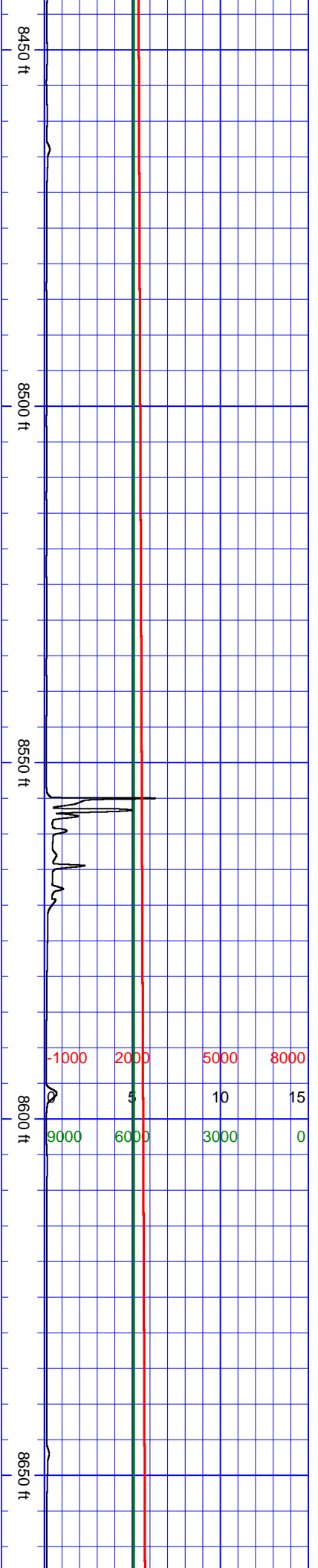
SurveyDepth:8407
TVD:5935 Inc:89.3
Azi:1.9 VertSec:2182.99

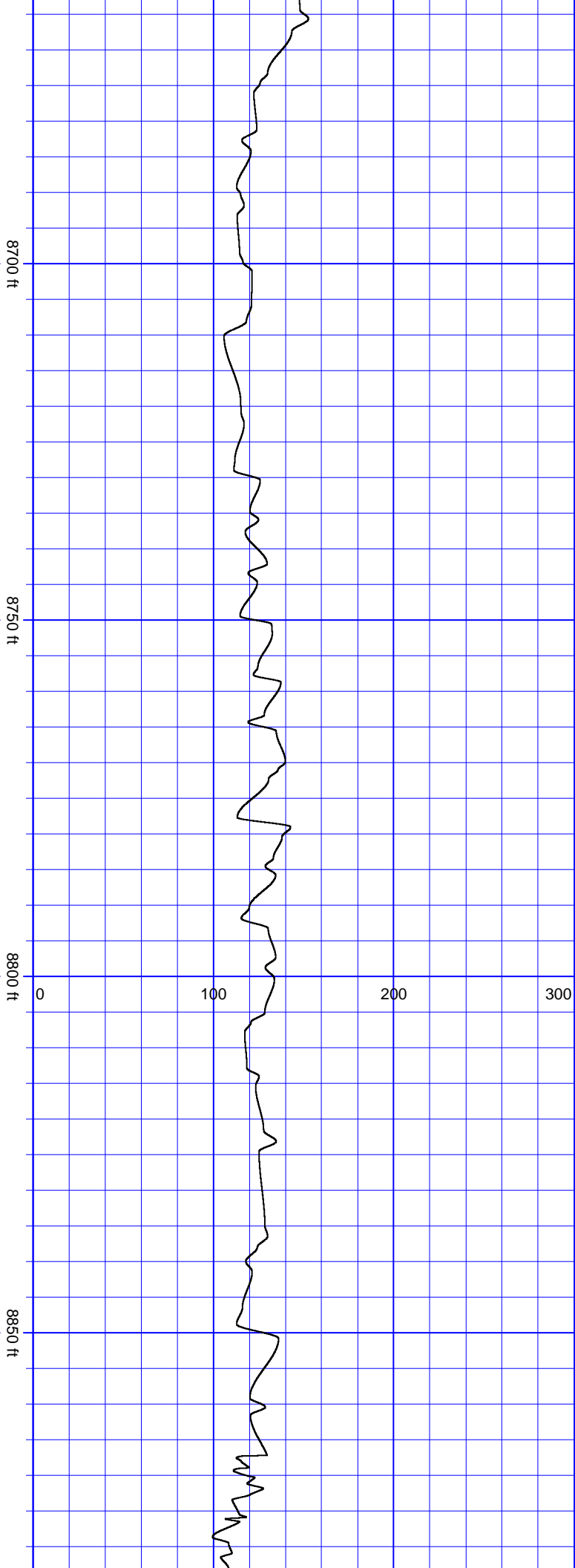




SurveyDepth:8498
TVD:5936.35 Inc:89
Azi:2 VertSec:2273.89

SurveyDepth:8589
TVD:5937.7 Inc:89.3
Azi:359.9
VertSec:2364.85

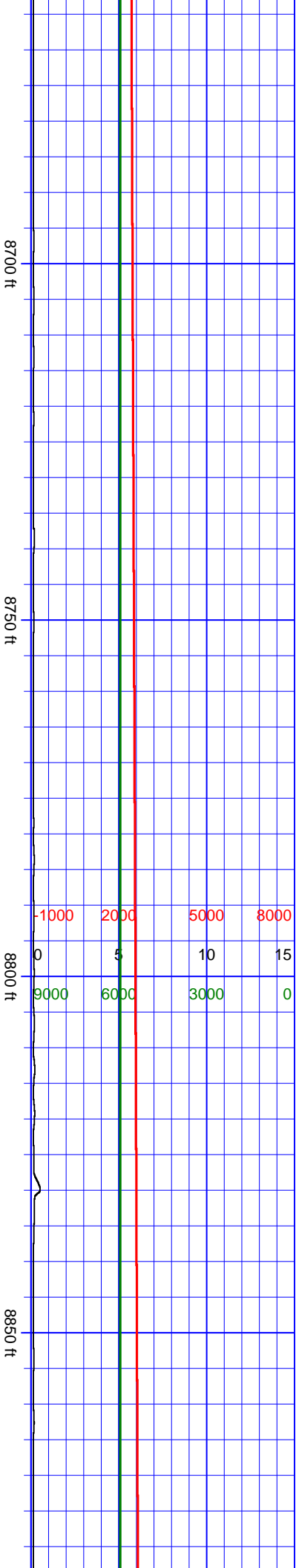


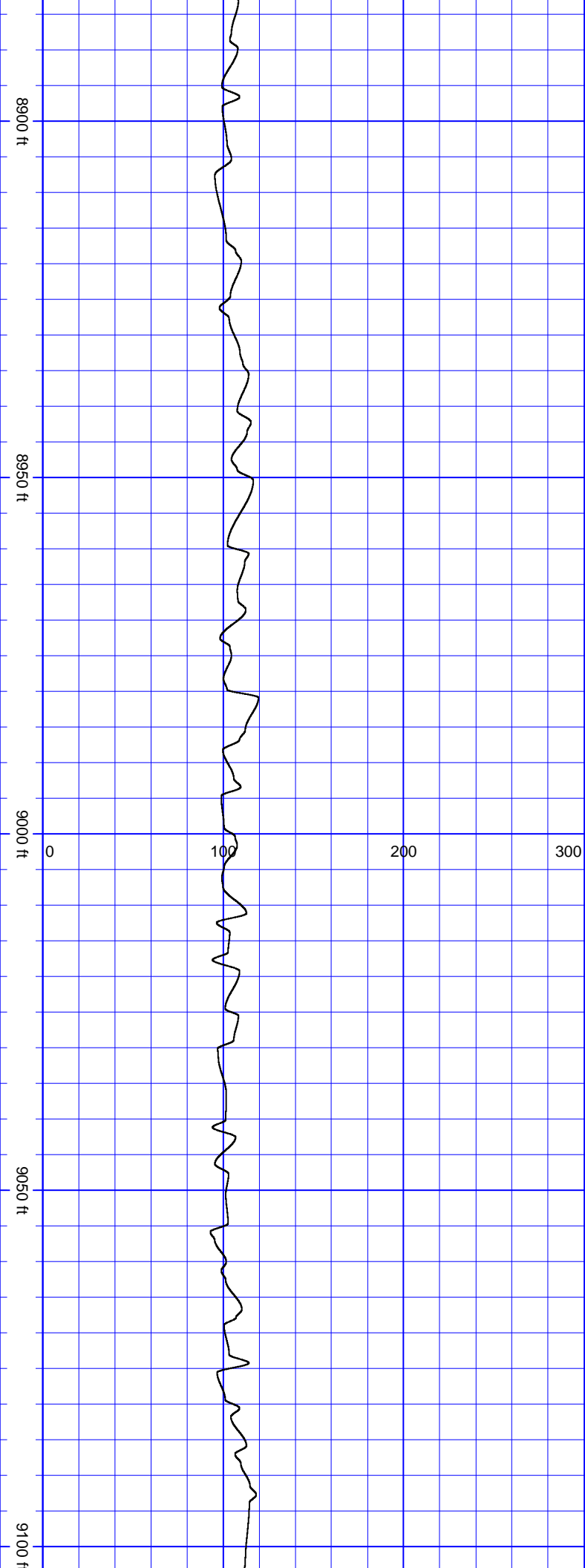


SurveyDepth:8681
TVD:5939.06 Inc:89
Azi:360 VertSec:2456.83

SurveyDepth:8773
TVD:5940.83 Inc:88.8
Azi:359.7
VertSec:2548.81

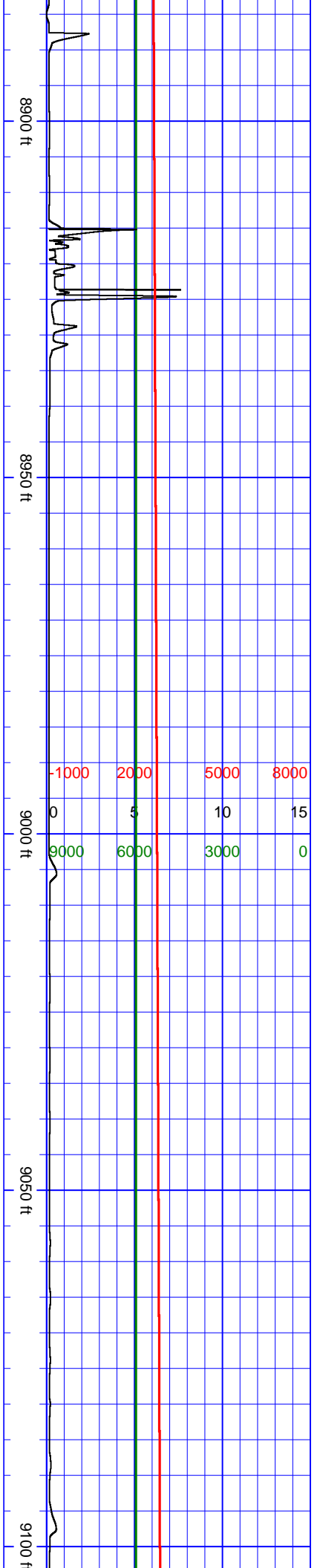
SurveyDepth:8865
TVD:5943.32 Inc:88.1
Azi:0.2 VertSec:2640.78

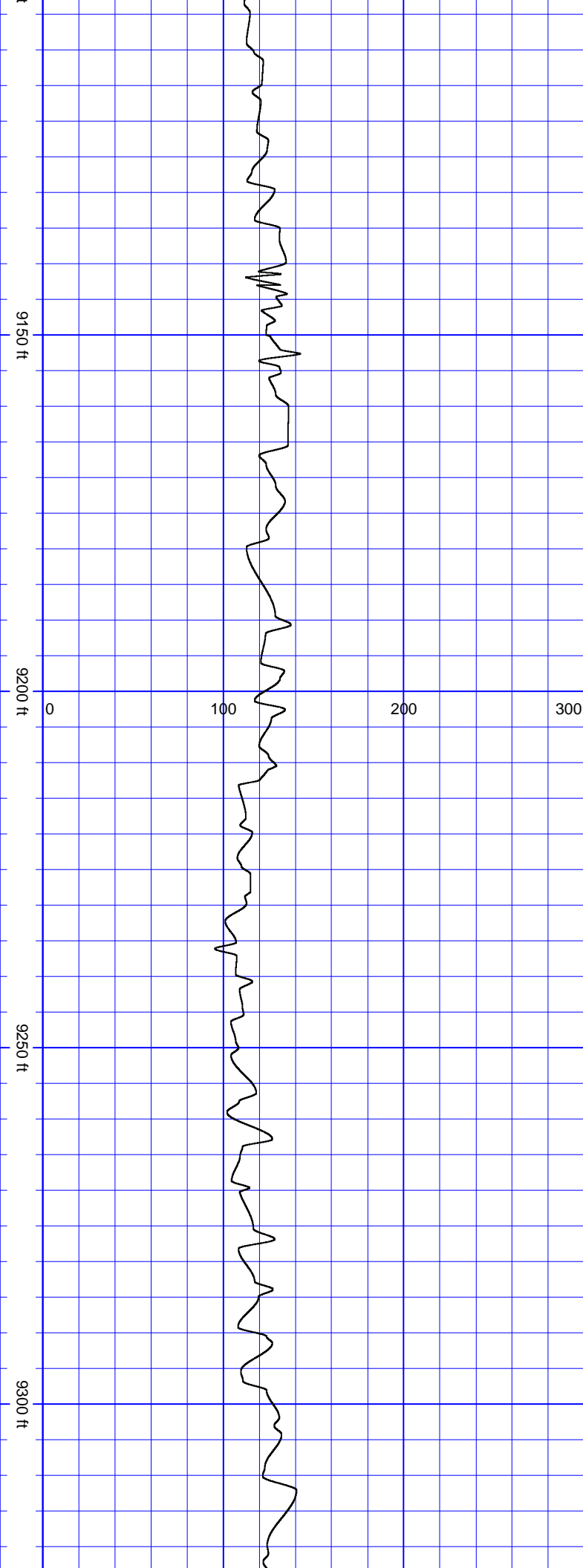




SurveyDepth:8956
TVD:5944.51 Inc:90.4
Azi:0.8 VertSec:2731.75

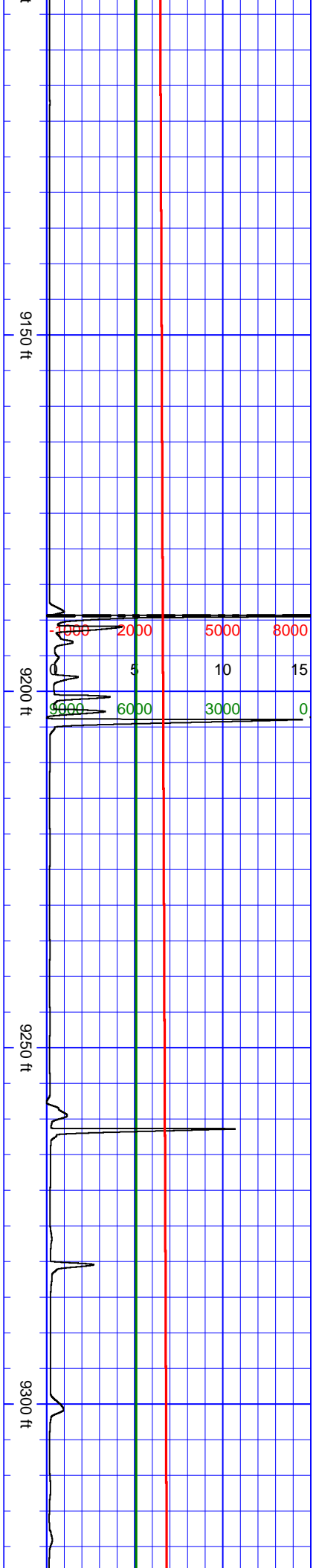
SurveyDepth:9048
TVD:5944.19 Inc:90
Azi:2 VertSec:2823.69

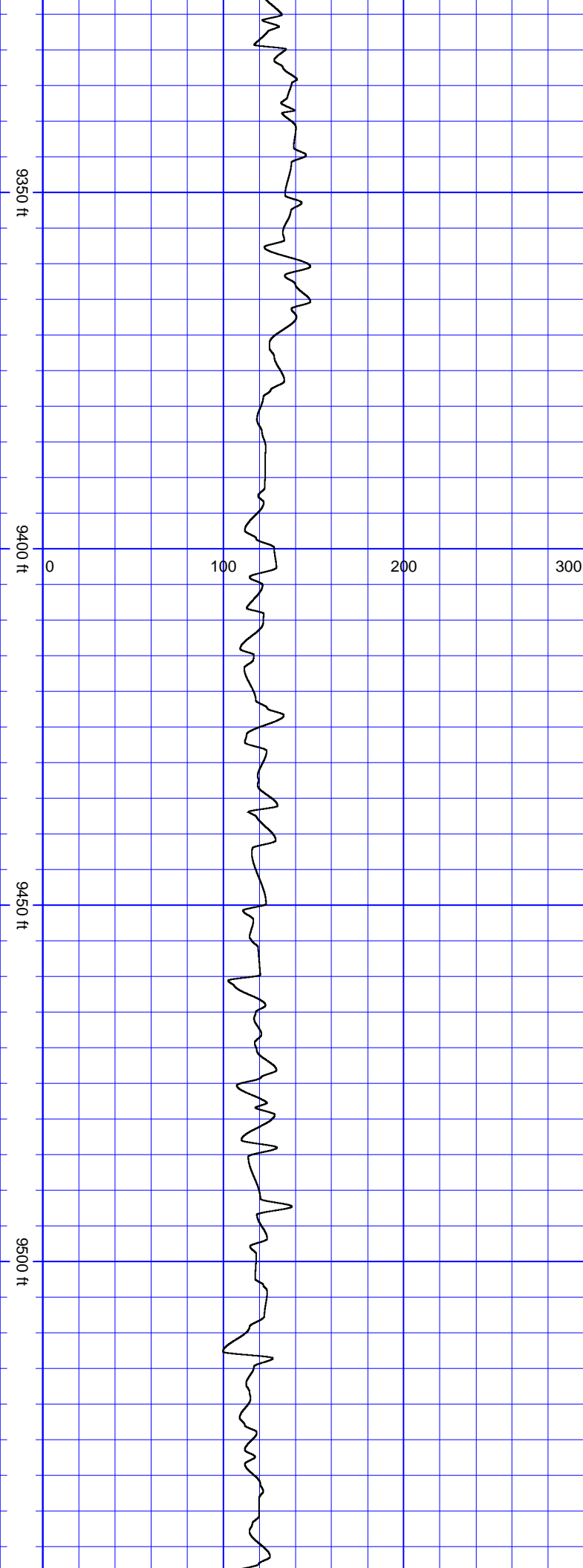




SurveyDepth:9139
TVD:5944.42 Inc:89.7
Azi:2.3 VertSec:2914.59

SurveyDepth:9231
TVD:5945.07 Inc:89.5
Azi:0.3 VertSec:3006.54

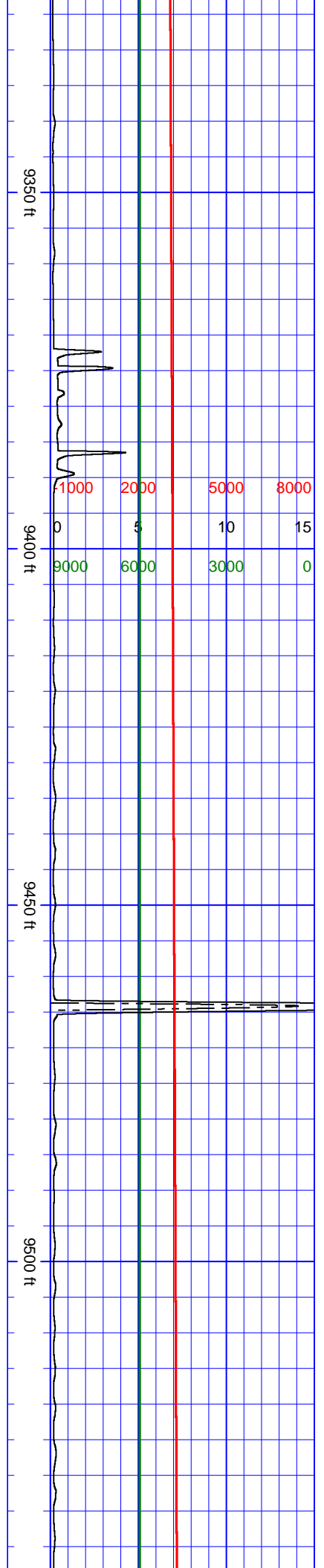


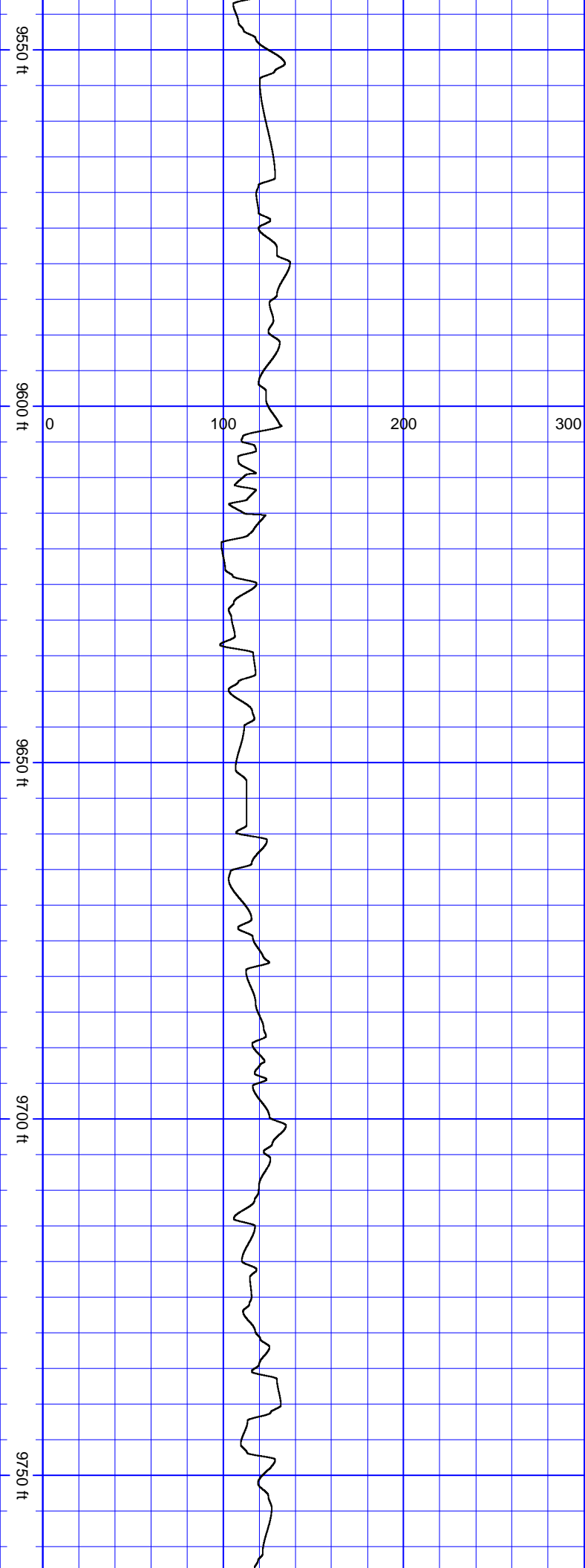


SurveyDepth:9323
TVD:5946.51 Inc:88.7
Azi:0.5 VertSec:3098.51

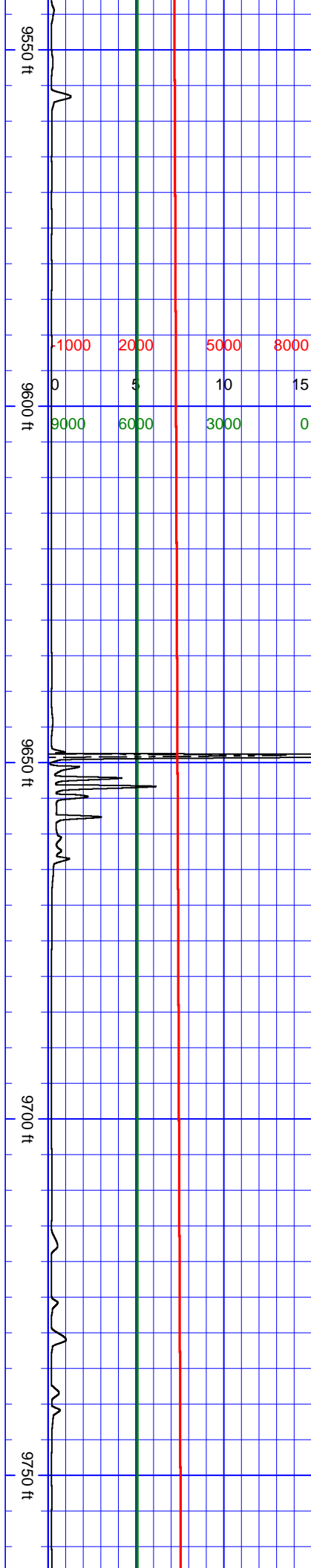
SurveyDepth:9414
TVD:5947.46 Inc:90.1
Azi:359.2
VertSec:3189.5

SurveyDepth:9506
TVD:5947.38 Inc:90
Azi:359.8
VertSec:3281.5





SurveyDepth:9598 TVD:5947.95 Inc:89.3 Azi:359 VertSec:3373.5
SurveyDepth:9690 TVD:5947.47 Inc:91.3 Azi:359.2 VertSec:3465.49



9800 ft 0 100 200 300

9850 ft

9900 ft

9950 ft

SurveyDepth:9781
TVD:5945.4 Inc:91.3
Azi:359.3
VertSec:3556.47

SurveyDepth:9872
TVD:5943.57 Inc:91
Azi:358.4
VertSec:3647.44

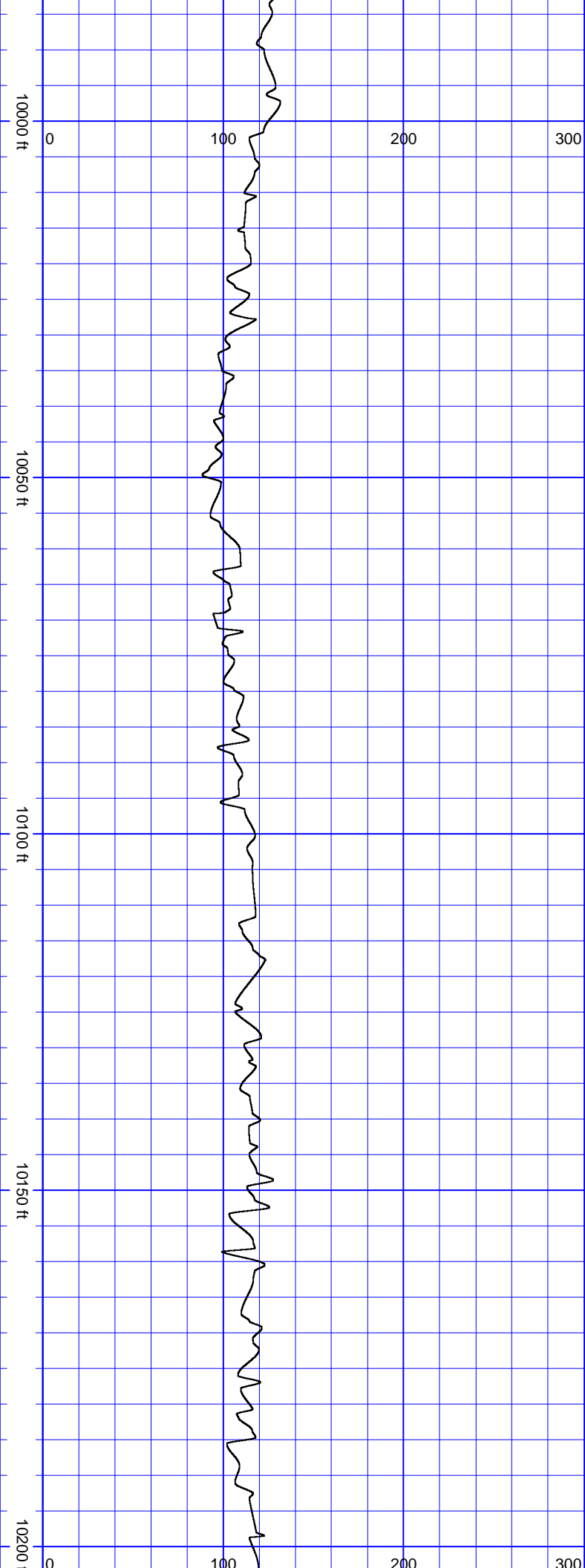
SurveyDepth:9964
TVD:5941.73 Inc:91.3
Azi:358.6
VertSec:3739.41

9800 ft -1000 2000 5000 8000
0 5 10 15
9000 6000 3000 0

9850 ft

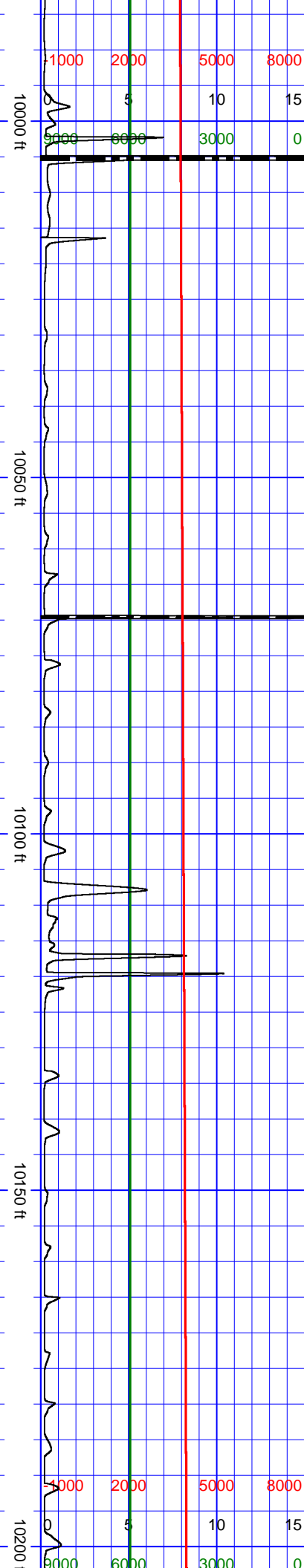
9900 ft

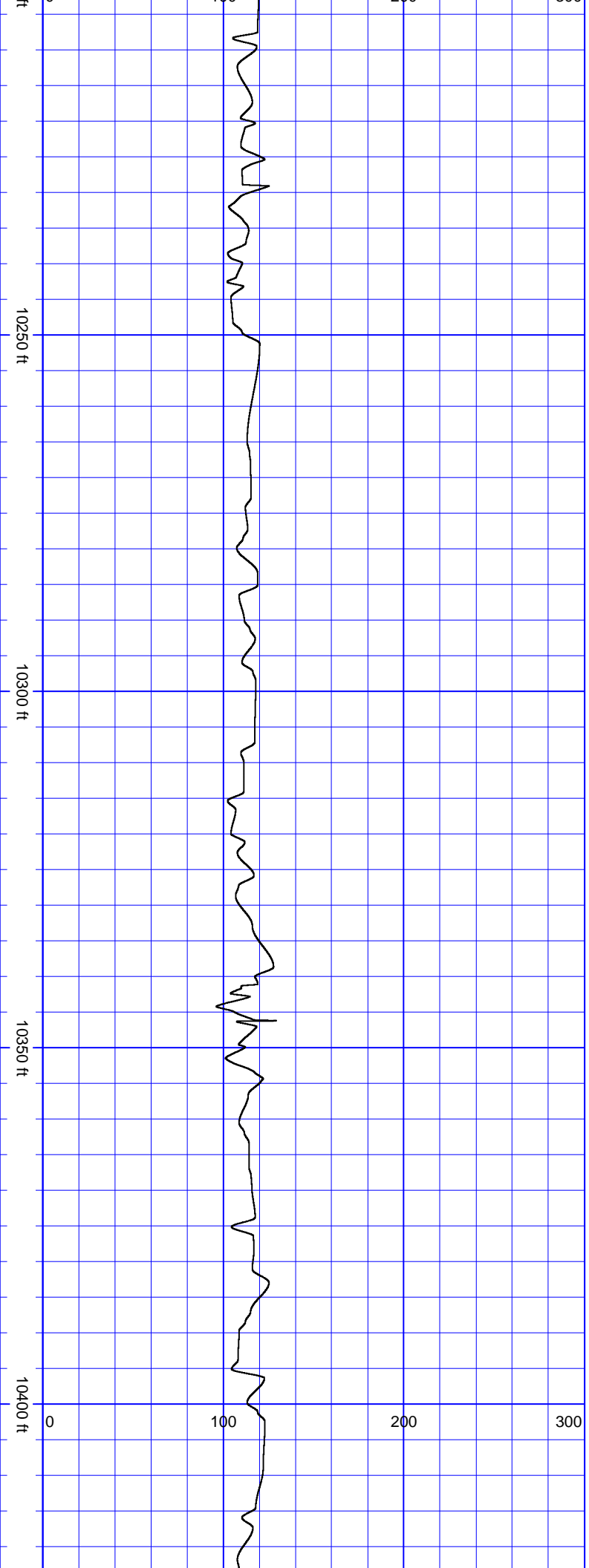
9950 ft



SurveyDepth:10056
TVD:5939.48 Inc:91.5
Azi:358.7
VertSec:3831.37

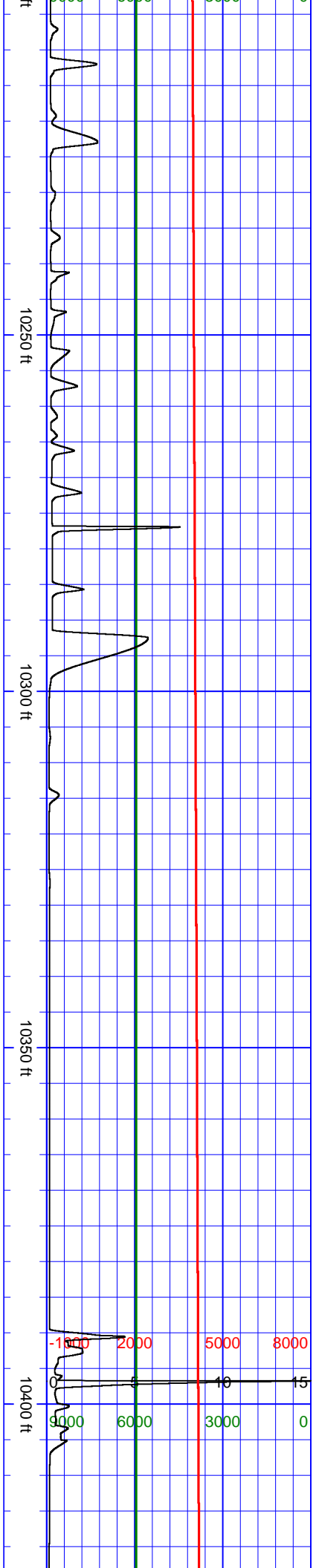
SurveyDepth:10148
TVD:5938.12 Inc:90.2
Azi:358.9
VertSec:3923.35

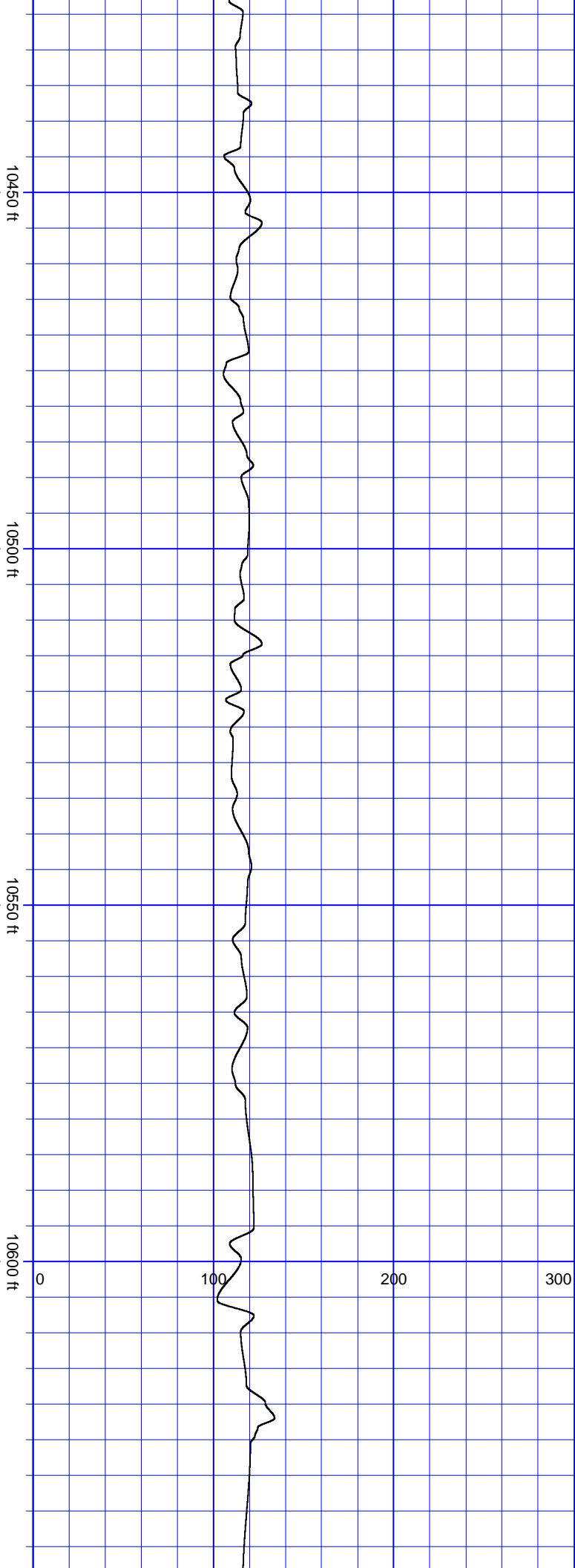




SurveyDepth:10240
TVD:5937.87 Inc:90.1
Azi:358.5
VertSec:4015.35

SurveyDepth:10335
TVD:5938.21 Inc:89.5
Azi:357.8
VertSec:4110.32

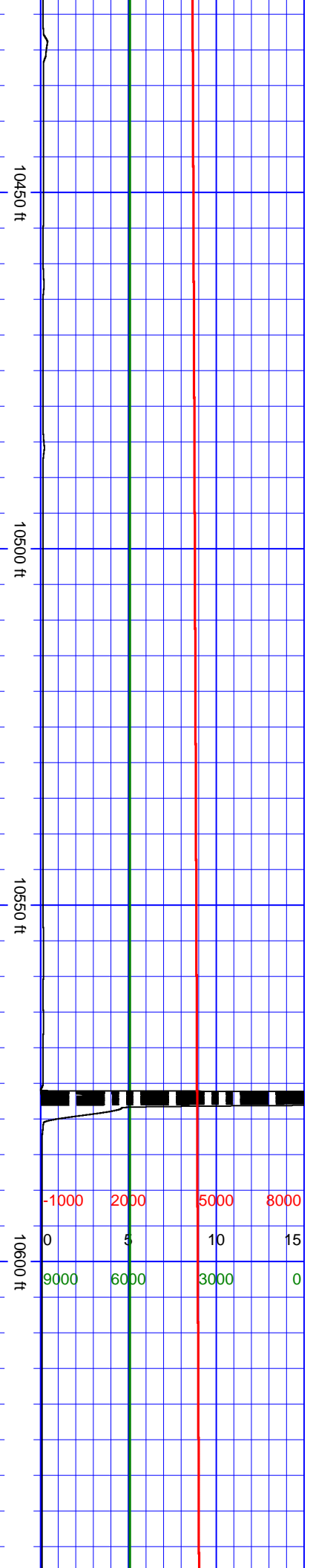


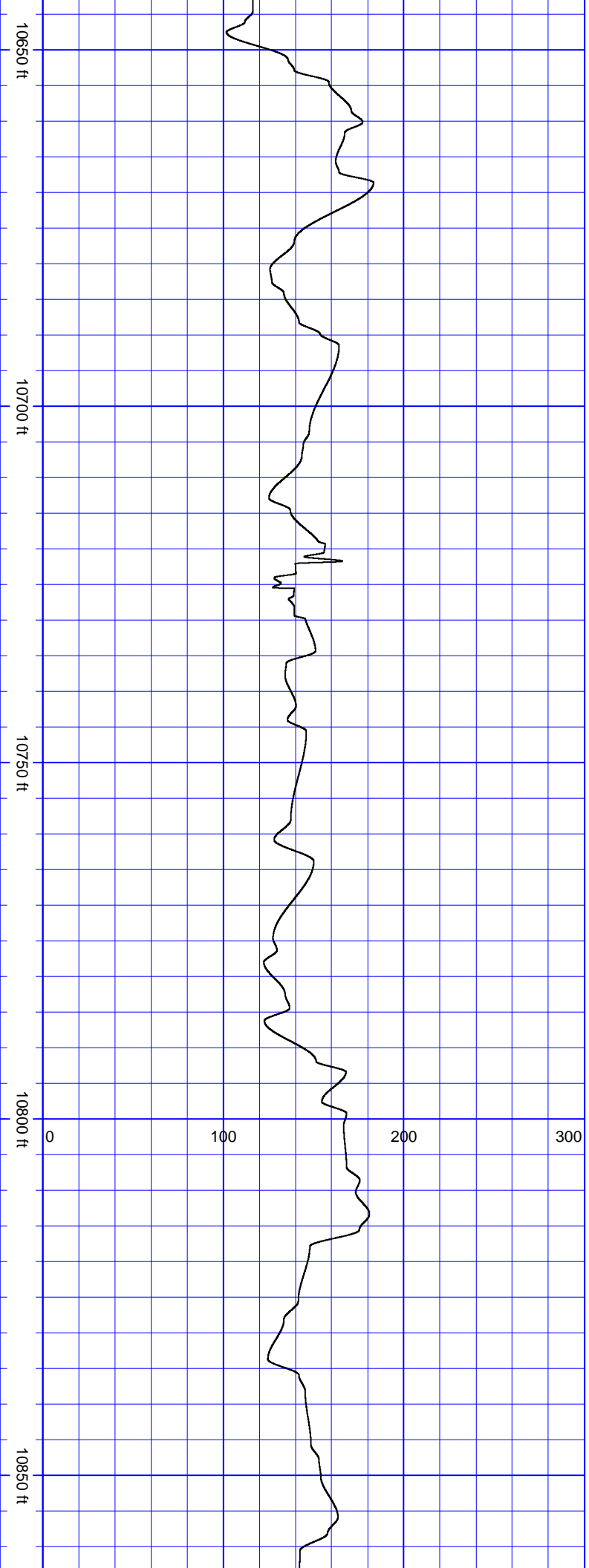


SurveyDepth:10429
TVD:5939.11 Inc:89.4
Azi:359.6
VertSec:4204.3

SurveyDepth:10524
TVD:5939.77 Inc:89.8
Azi:359.5
VertSec:4299.3

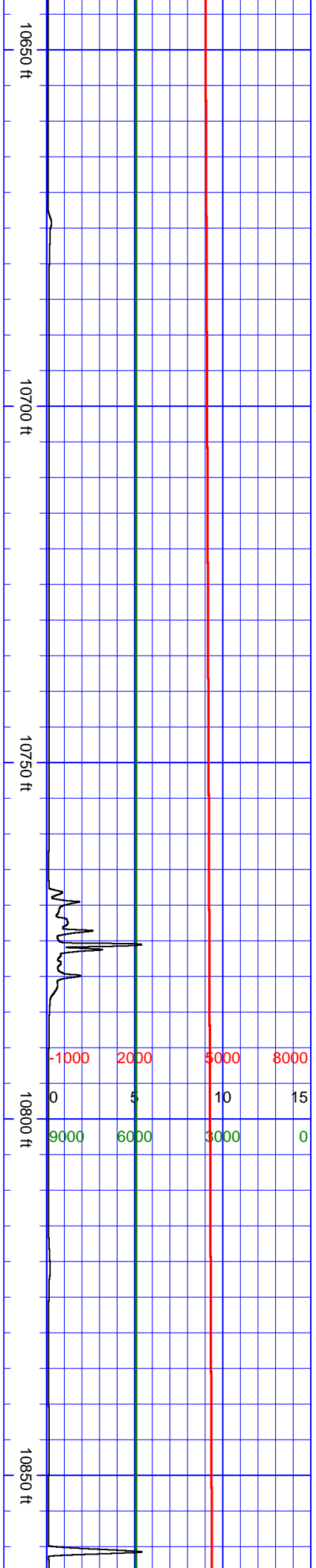
SurveyDepth:10619
TVD:5940.43 Inc:89.4
Azi:359.5
VertSec:4394.3

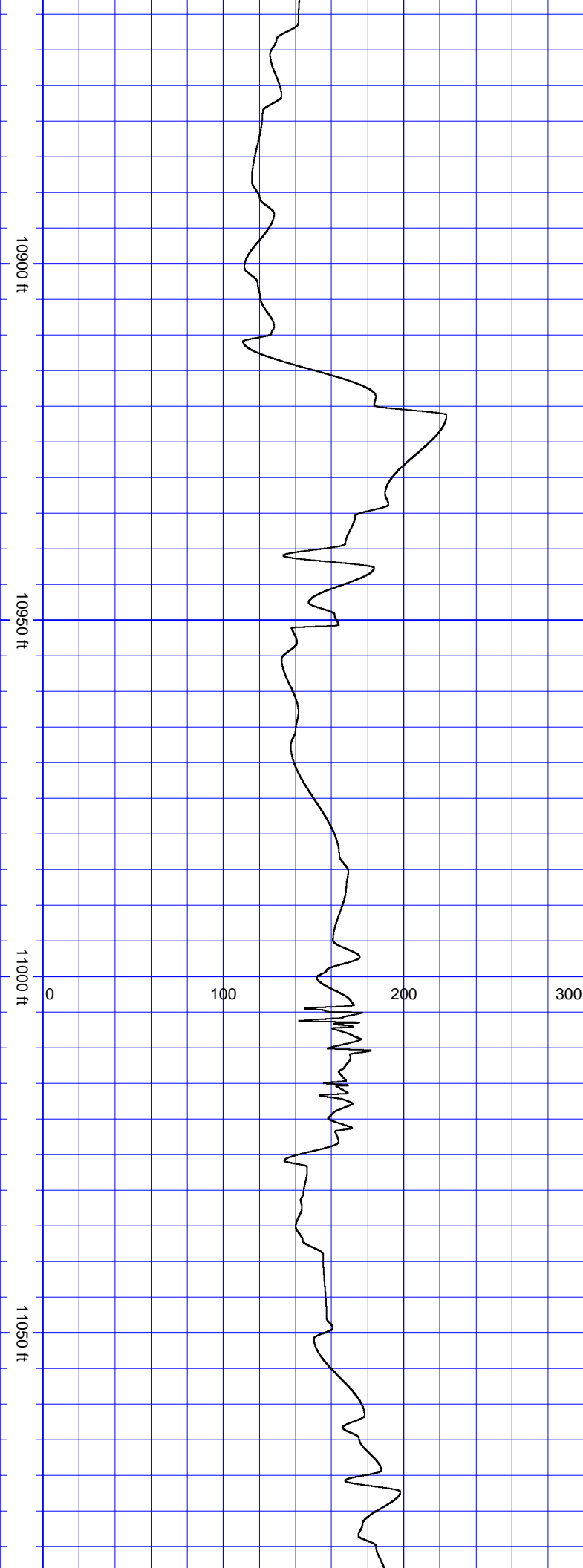




SurveyDepth:10714
TVD:5940.77 Inc:90.2
Azi:359.4
VertSec:4489.3

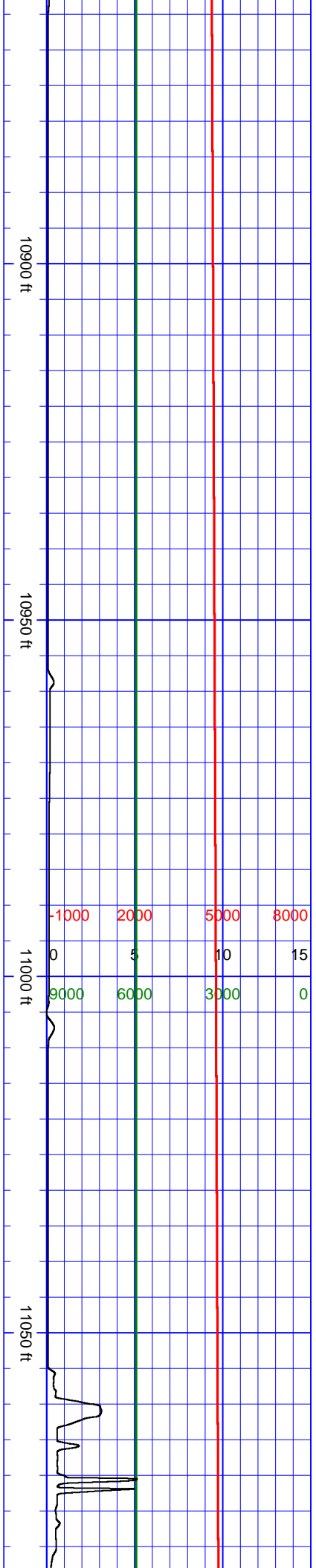
SurveyDepth:10808
TVD:5940.52 Inc:90.1
Azi:359.7
VertSec:4583.3

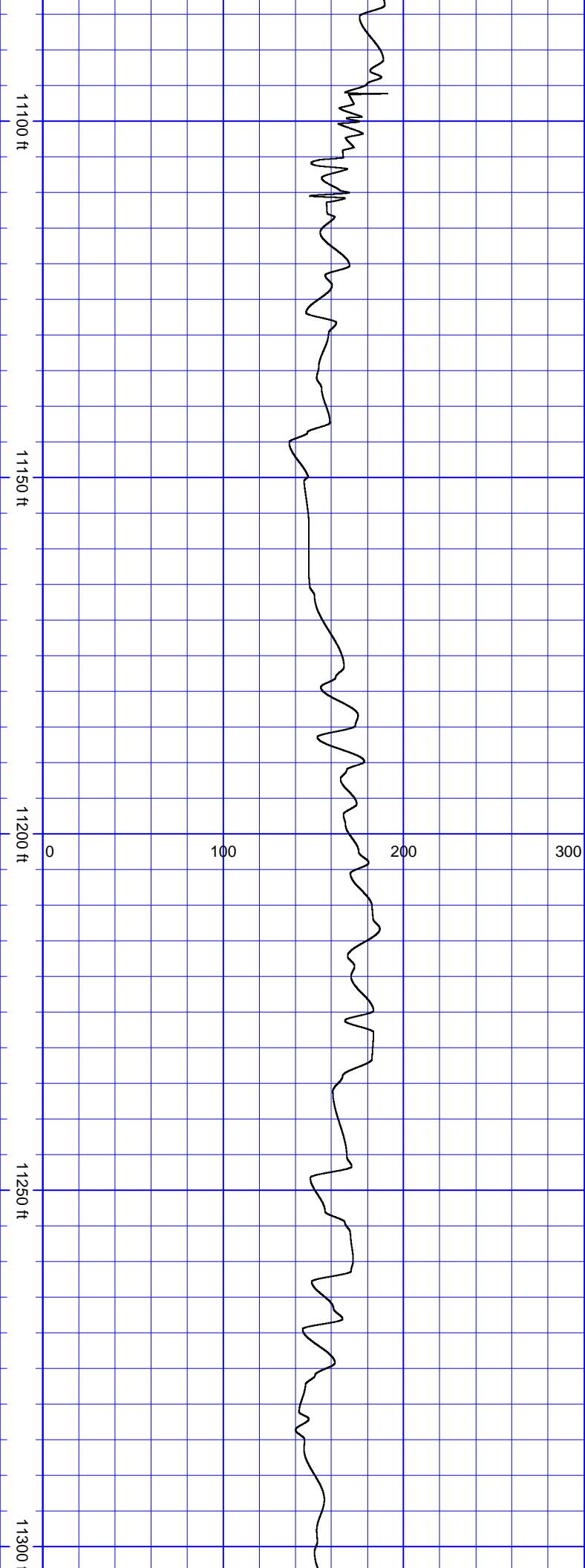




SurveyDepth:10904
TVD:5942.2 Inc:87.9
Azi:359.4
VertSec:4679.27

SurveyDepth:10996
TVD:5945.97 Inc:87.4
Azi:358.5
VertSec:4771.19

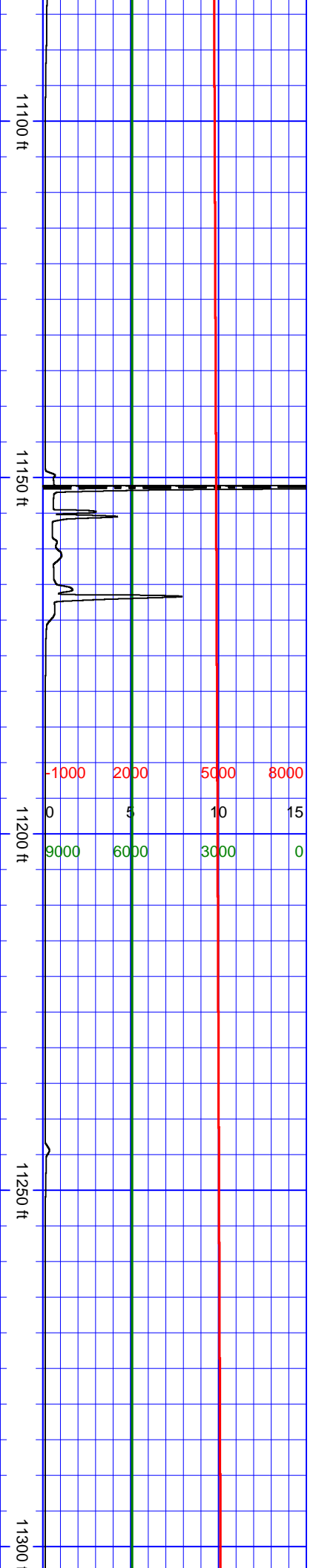


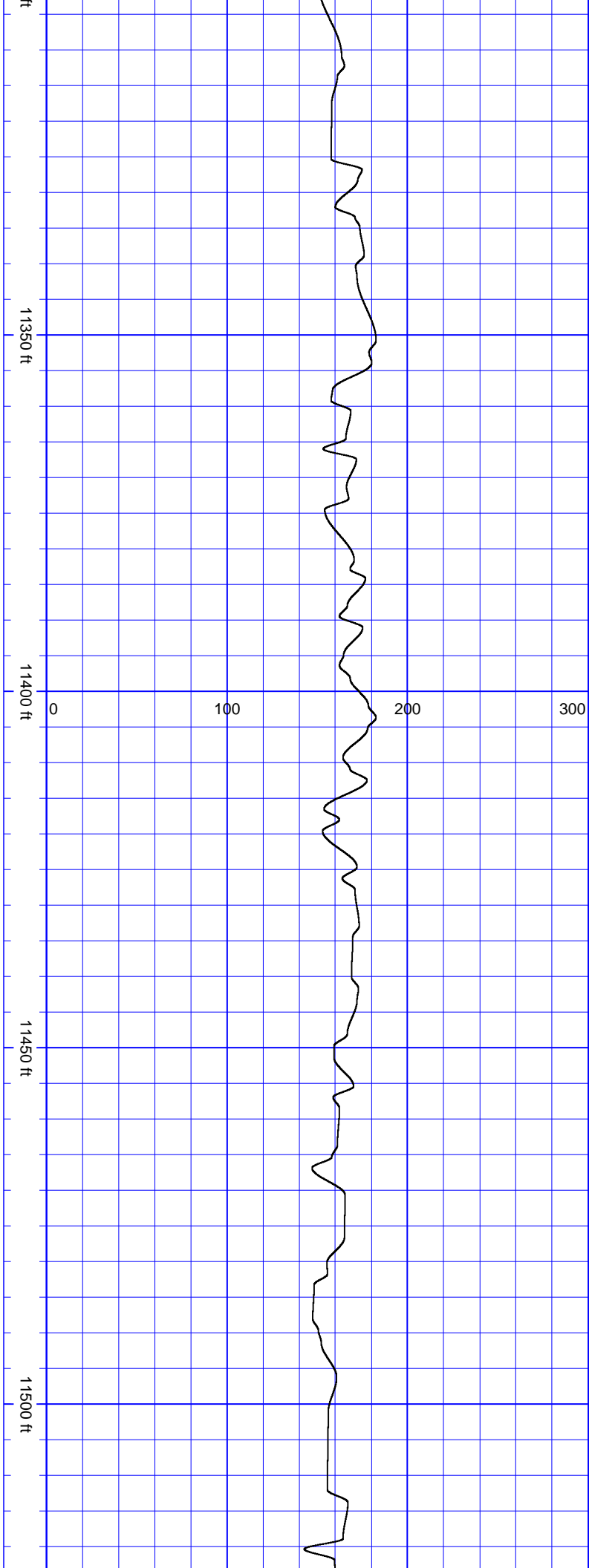


SurveyDepth:11090
TVD:5949.33 Inc:88.5
Azi:359.5
VertSec:4865.13

SurveyDepth:11185
TVD:5949.91 Inc:90.8
Azi:1.6 VertSec:4960.1

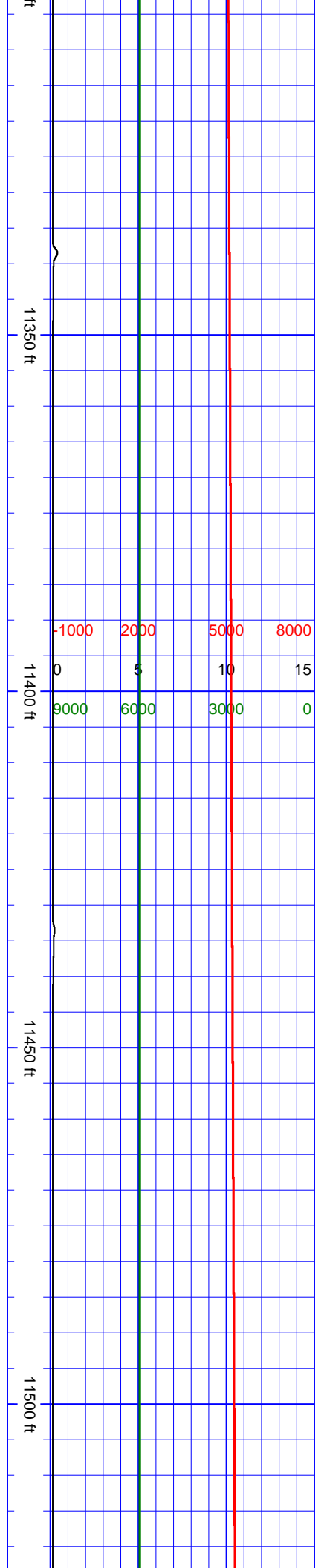
SurveyDepth:11278
TVD:5949.02 Inc:90.3
Azi:1.2 VertSec:5053.04





SurveyDepth:11373
TVD:5948.85 Inc:89.9
Azi:0.6 VertSec:5148.01

SurveyDepth:11466
TVD:5948.69 Inc:90.3
Azi:0.7 VertSec:5240.99



11550 ft

11600 ft

11650 ft

11700 ft

SurveyDepth:11561
TVD:5948.94 Inc:89.4
Azi:358.4
VertSec:5335.98

SurveyDepth:11655
TVD:5949.1 Inc:90.4
Azi:359.9
VertSec:5429.97

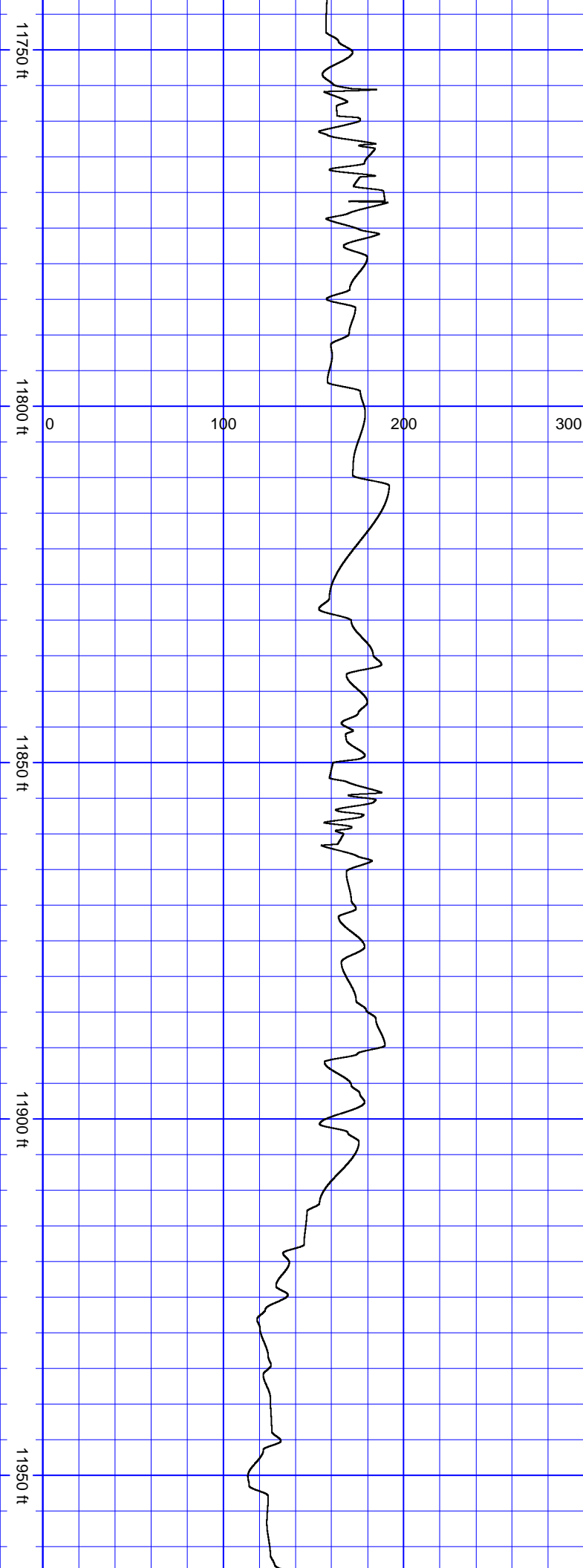
11550 ft

11600 ft

11650 ft

11700 ft

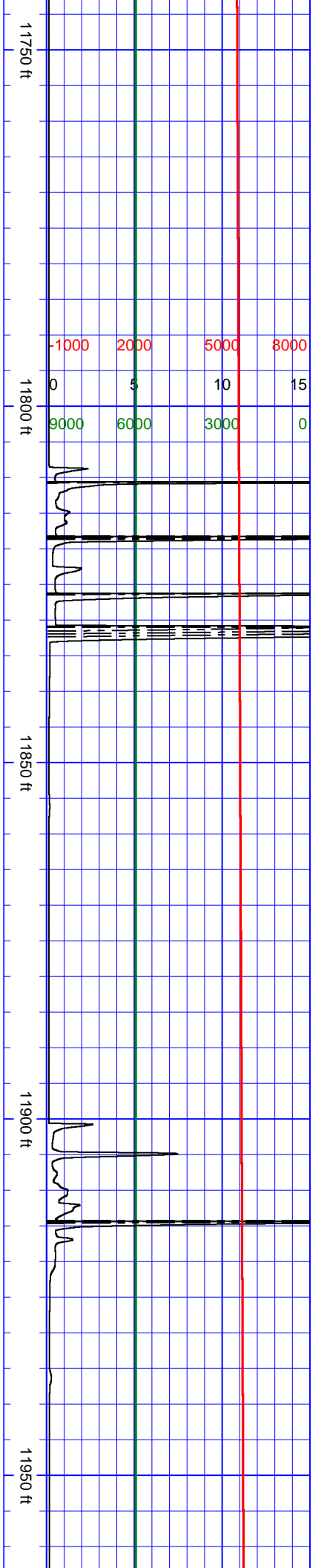
-1000	2000	5000	8000
0	5	10	15
9000	6000	3000	0

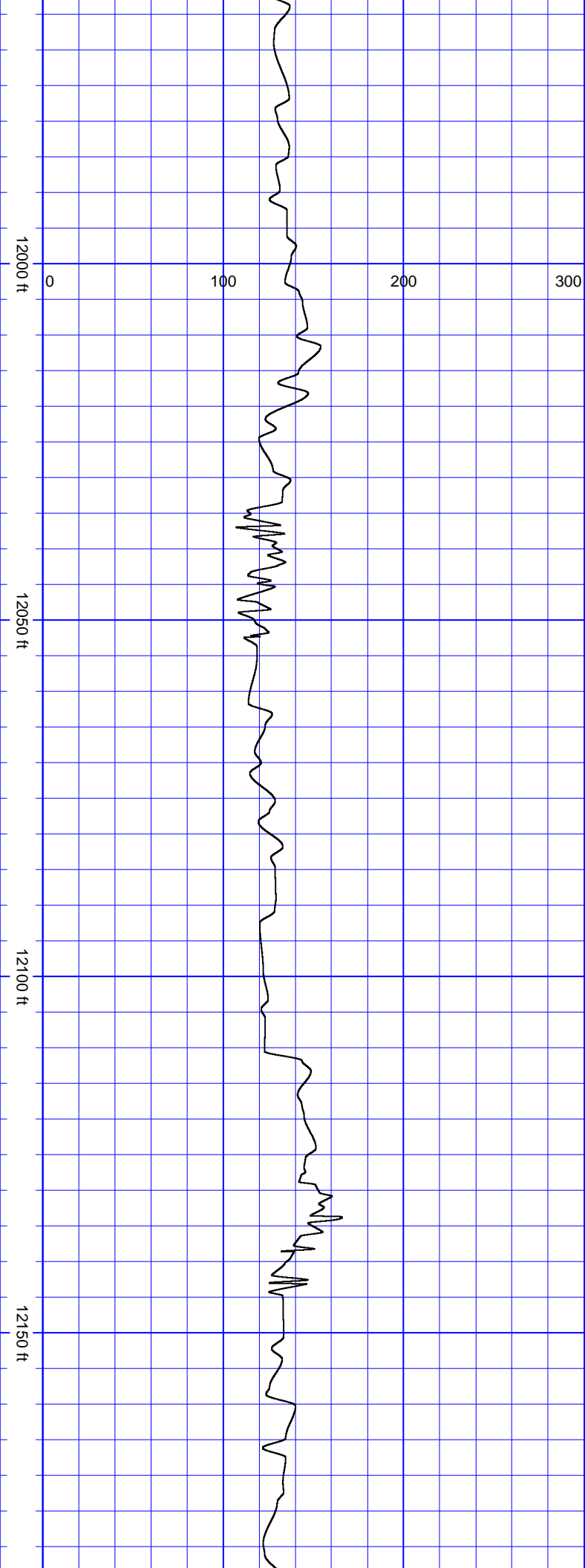


SurveyDepth:11748
TVD:5949.35 Inc:89.3
Azi:357.4
VertSec:5522.96

SurveyDepth:11840
TVD:5949.59 Inc:90.4
Azi:358.8
VertSec:5614.93

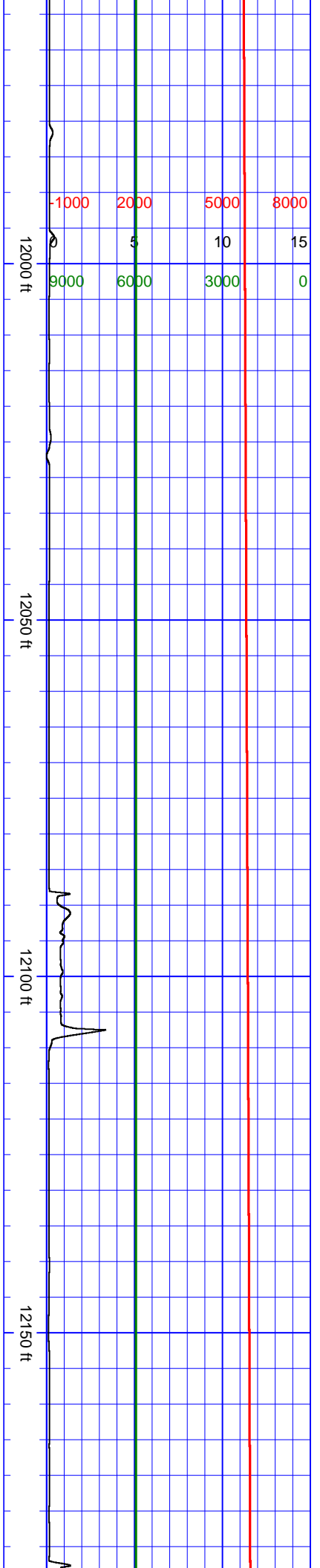
SurveyDepth:11934
TVD:5947.37 Inc:92.3
Azi:0.7 VertSec:5708.89

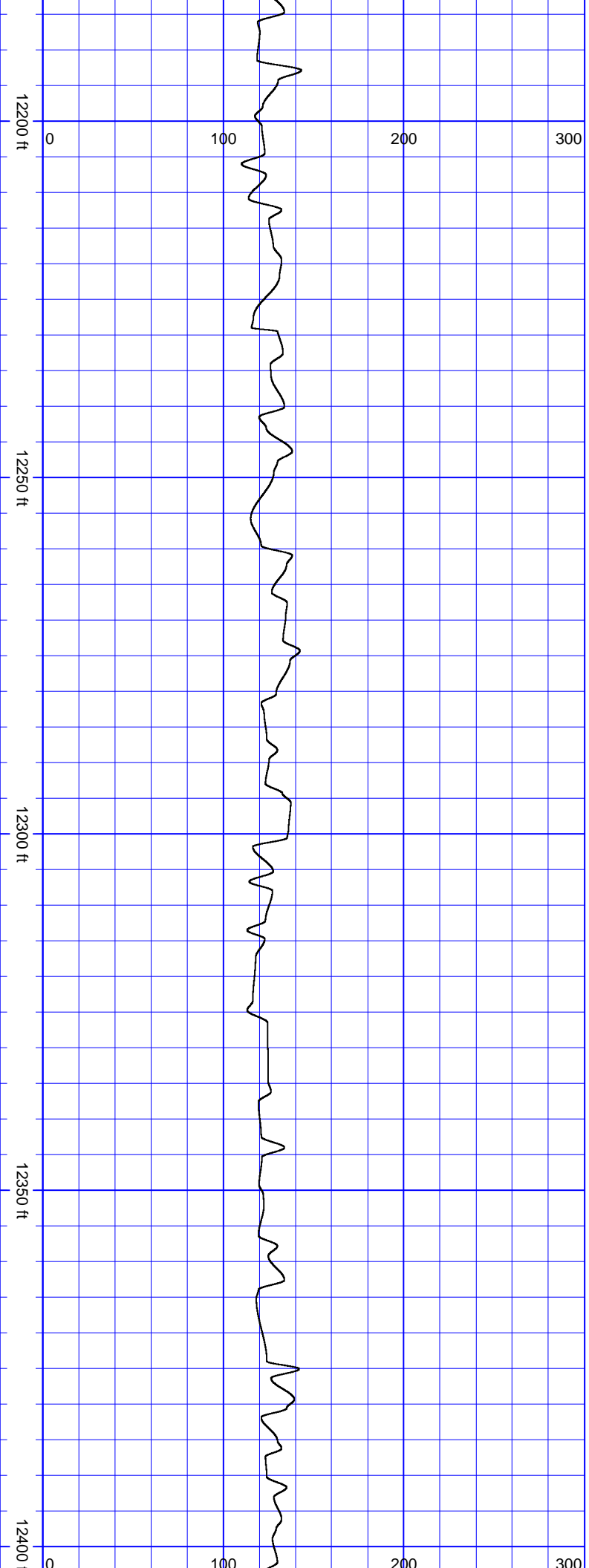




SurveyDepth:12028
TVD:5943.52 Inc:92.4
Azi:0.6 VertSec:5802.79

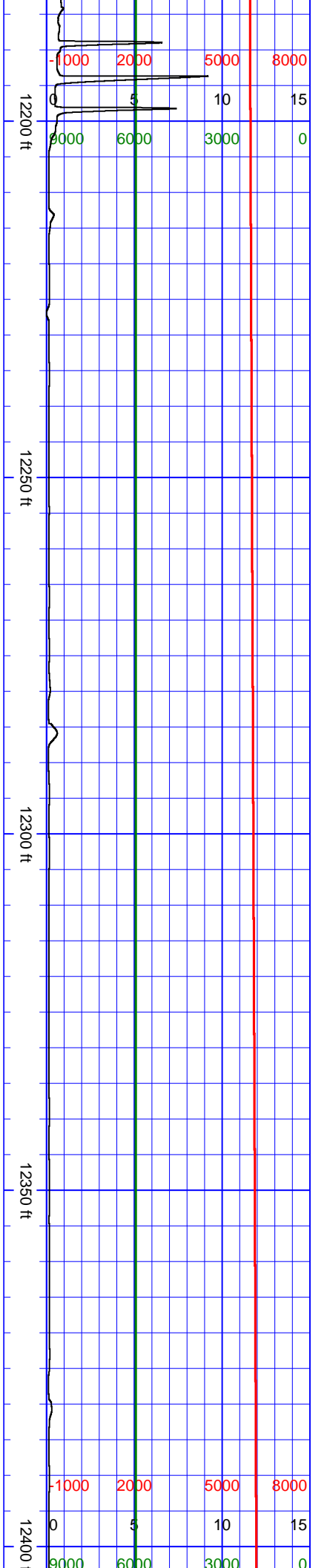
SurveyDepth:12122
TVD:5940.65 Inc:91.1
Azi:0.3 VertSec:5896.73

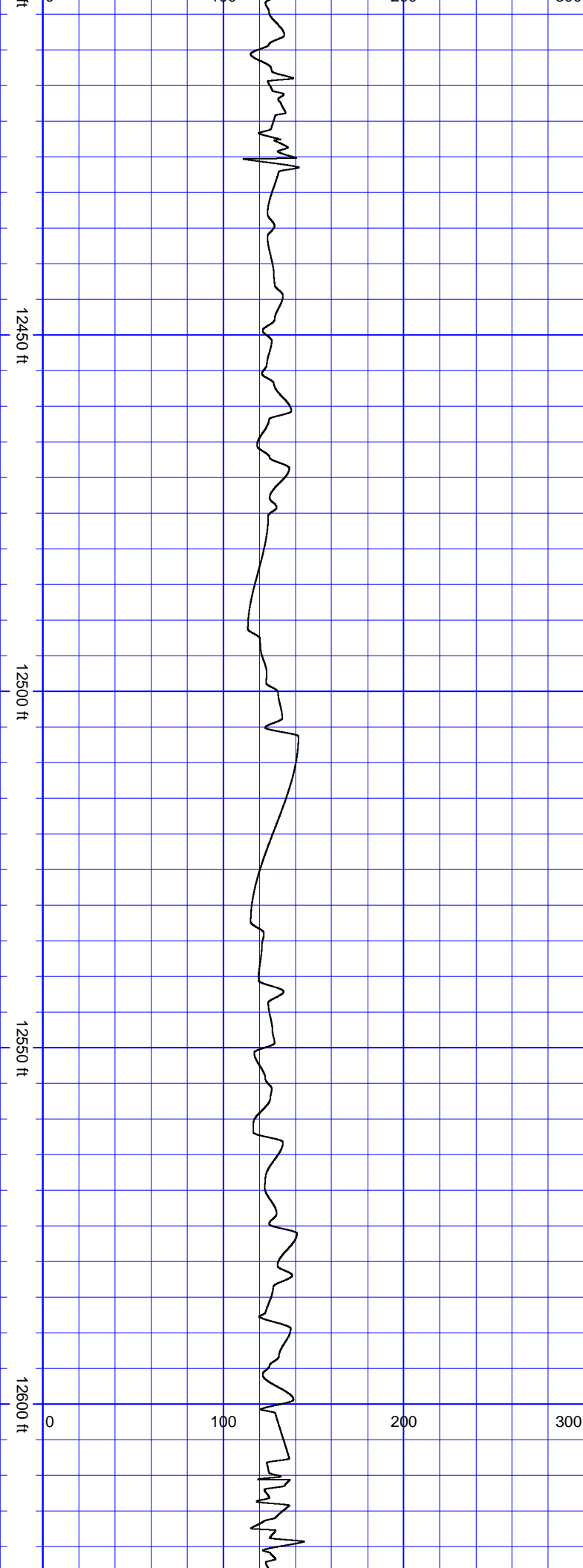




SurveyDepth:12217
TVD:5939.49 Inc:90.3
Azi:1.4 VertSec:5991.69

SurveyDepth:12312
TVD:5938.74 Inc:90.6
Azi:1 VertSec:6086.65

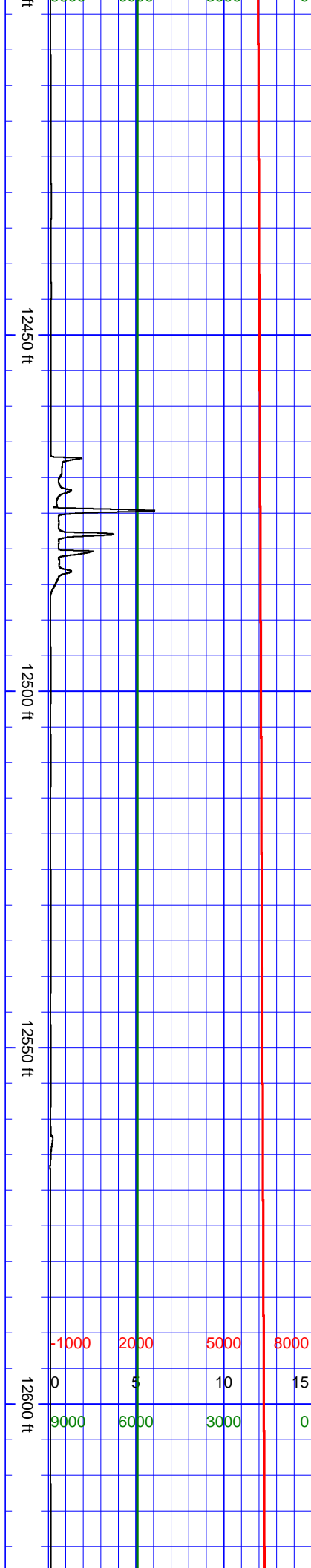


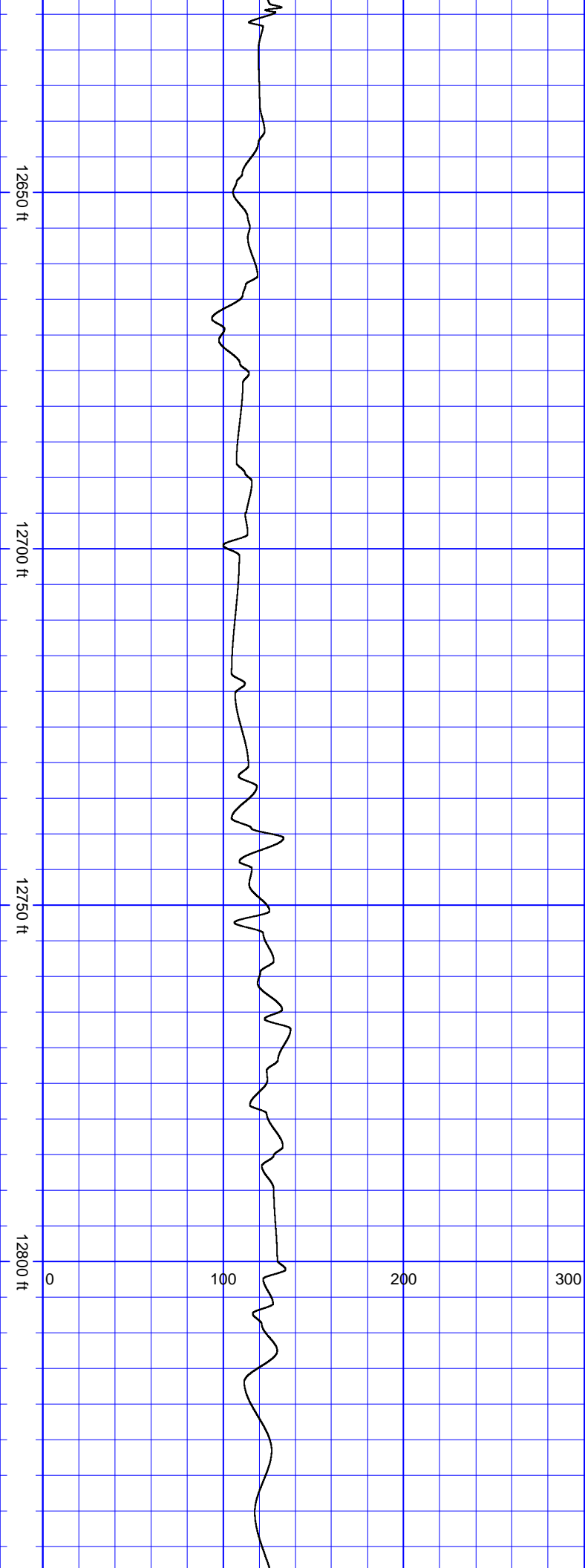


SurveyDepth:12407
TVD:5937.66 Inc:90.7
Azi:0.1 VertSec:6181.62

SurveyDepth:12501
TVD:5937.66 Inc:89.3
Azi:0.8 VertSec:6275.61

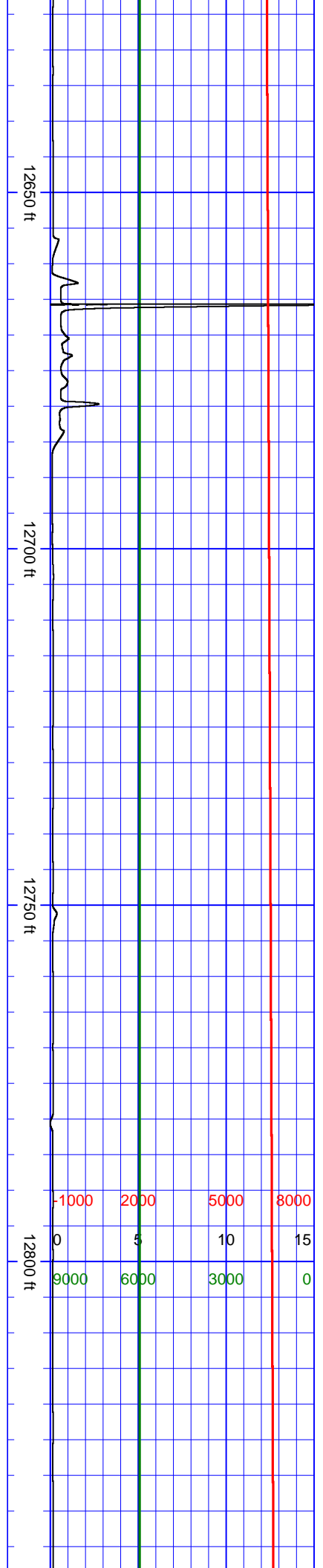
SurveyDepth:12595
TVD:5939.14 Inc:88.9
Azi:1 VertSec:6369.57

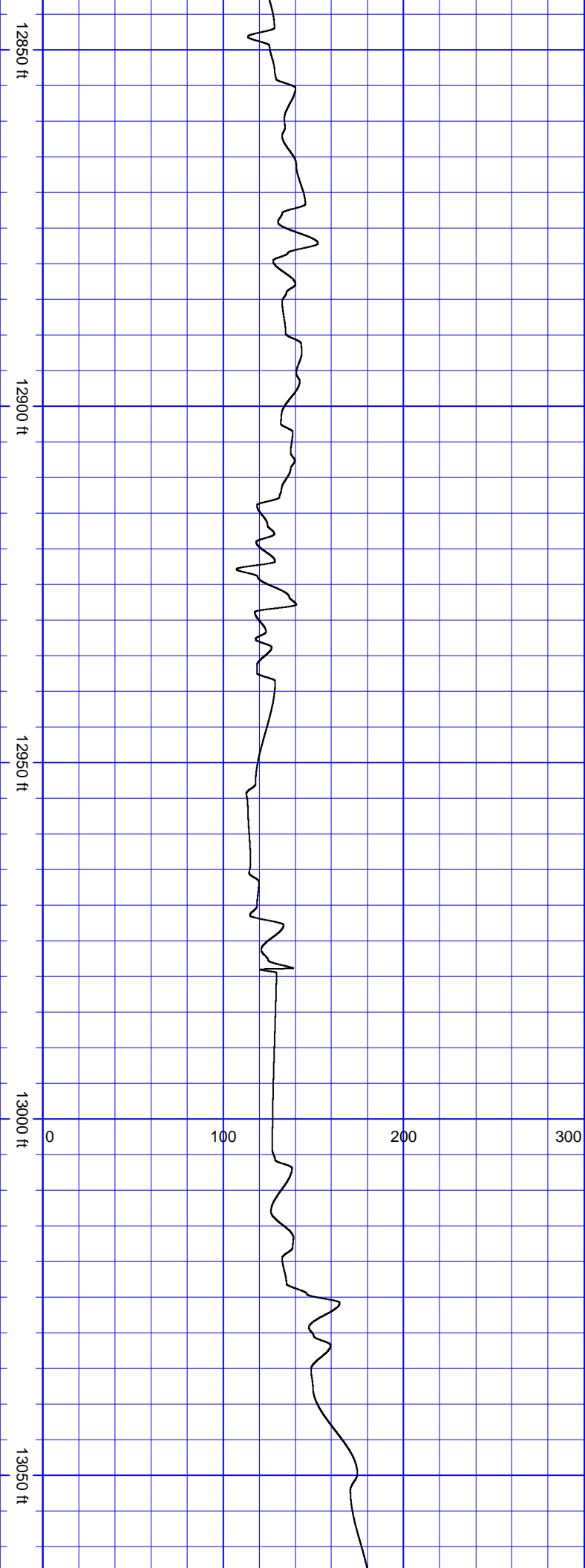




SurveyDepth:12689
TVD:5939.3 Inc:90.9
Azi:1 VertSec:6463.53

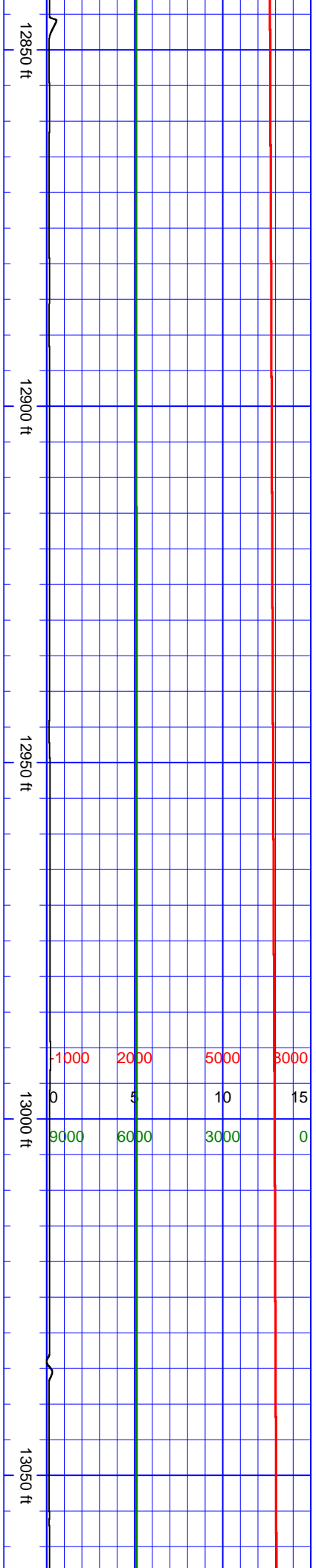
SurveyDepth:12784
TVD:5937.56 Inc:91.2
Azi:0.8 VertSec:6558.48

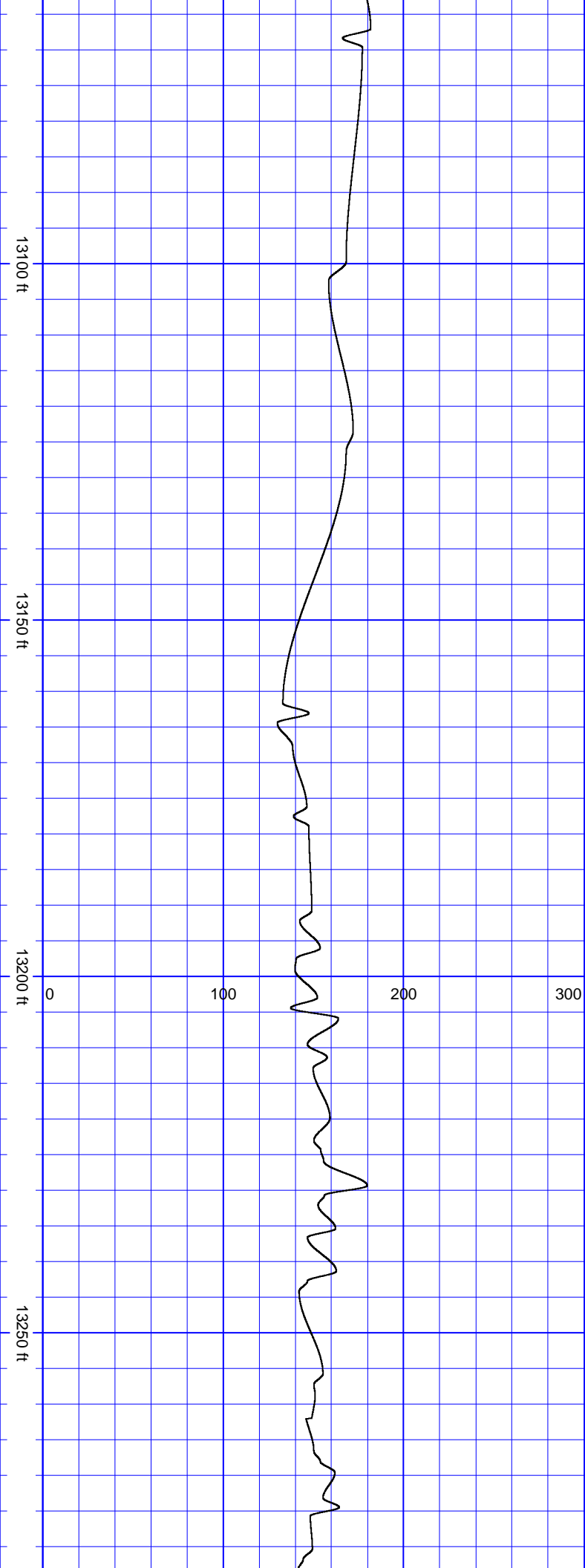




SurveyDepth:12879
TVD:5935.66 Inc:91.1
Azi:0.9 VertSec:6653.44

SurveyDepth:12973
TVD:5934.26 Inc:90.6
Azi:359.9
VertSec:6747.41

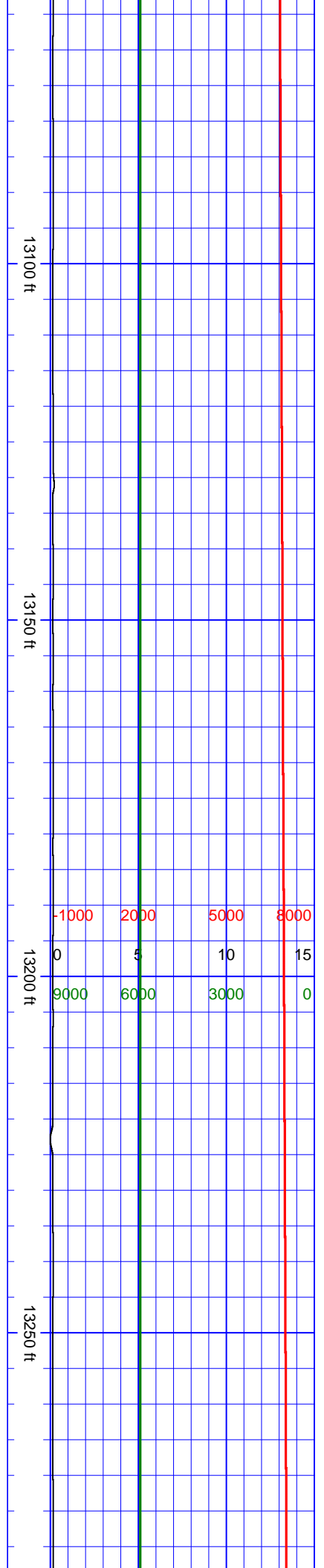


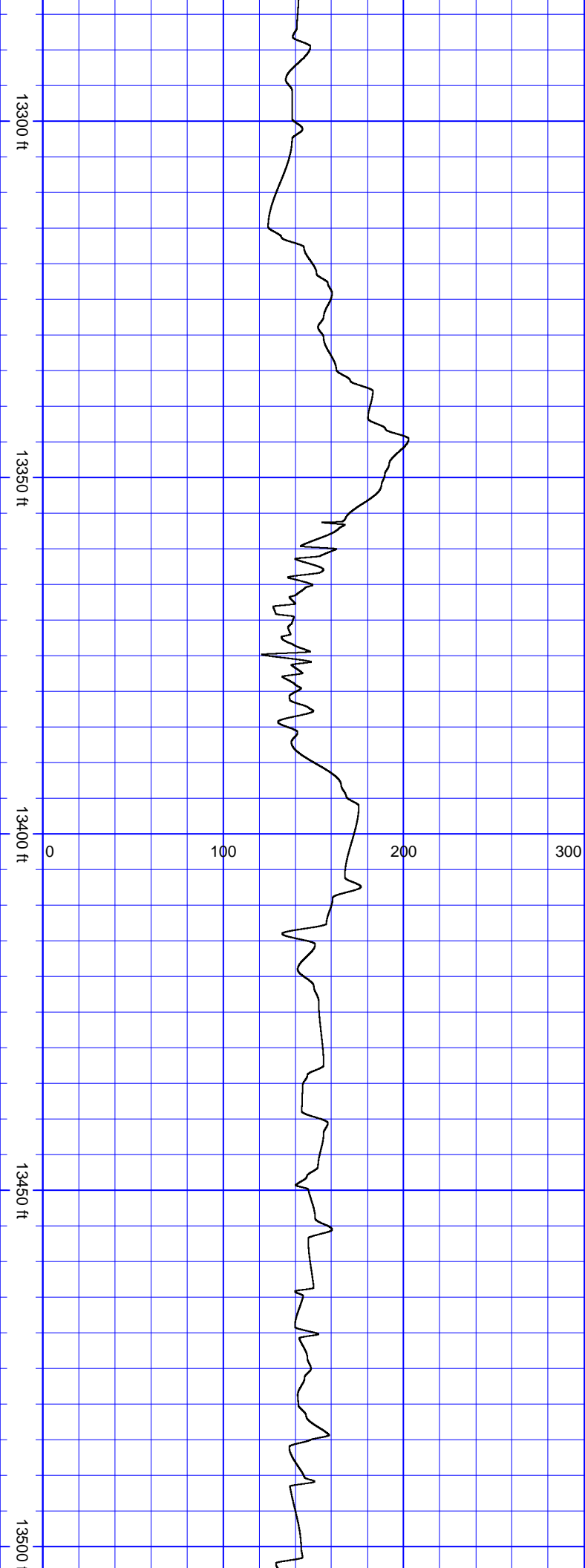


SurveyDepth:13068
TVD:5932.85 Inc:91.1
Azi:359.6
VertSec:6842.4

SurveyDepth:13163
TVD:5930.61 Inc:91.6
Azi:358.8
VertSec:6937.37

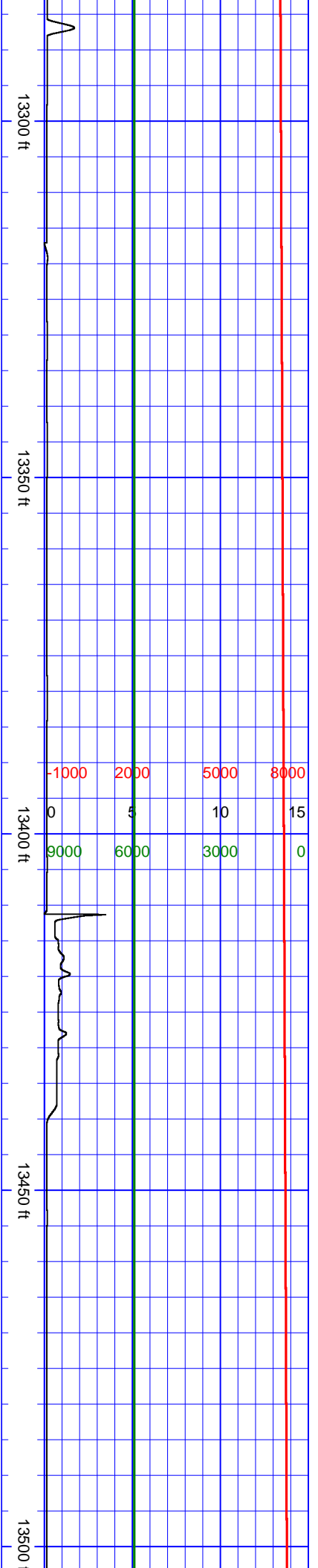
SurveyDepth:13257
TVD:5927.58 Inc:92.1
Azi:357.6
VertSec:7031.3

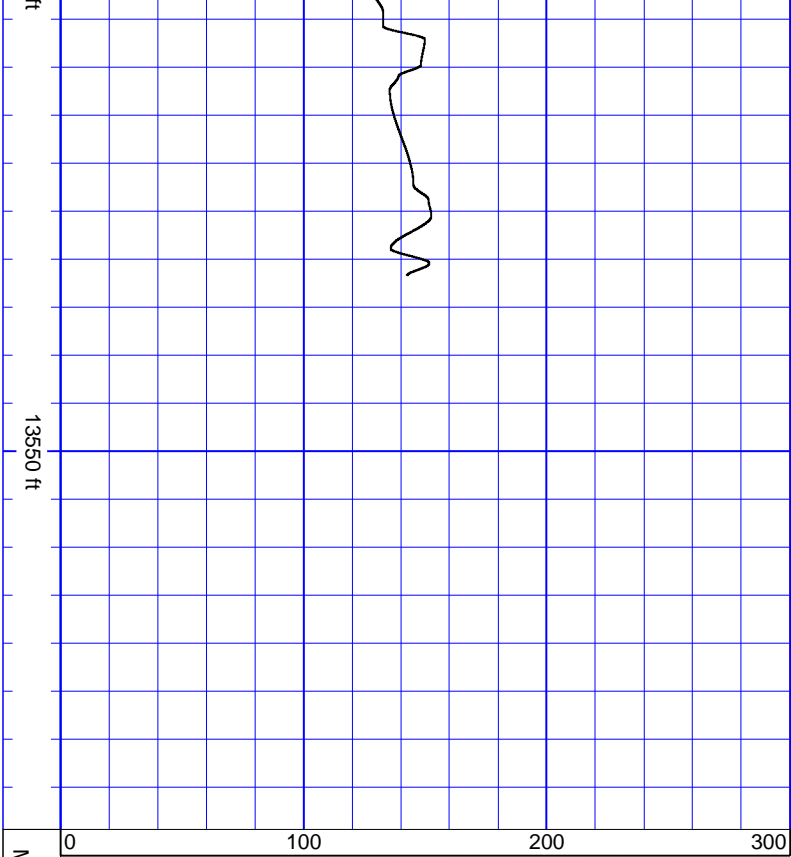




SurveyDepth:13351
TVD:5923.56 Inc:92.8
Azi:358.2
VertSec:7125.17

SurveyDepth:13444
TVD:5921.21 Inc:90.1
Azi:359.3
VertSec:7218.13





SurveyDepth:13530
TVD:5921.21 Inc:89.9
Azi:359.4
VertSec:7304.13

