



Build & Lateral

Job #:

185203

Well ID:

16191032

Scale:

5" = 100 ft

Type:

MD

Well Site Information

Oil Company Crestone Peak Resources

Surface Location S4-T2N-R66W

Well Name DAVIS 1N-9H-G266

API 05-123-46506-00

Field DJ BASIN

State CO

Country USA

Surface Coordinates

Well Type Horizontal

Latitude 40° 9' 16 N

Longitude 104° 46' 41 W

N / S Coordinates 1,299,892.71 us/ft

E / W Coordinates 3,201,820.96 us/ft

Azimuth Reference True North

Grid Convergence 0.47°

MWD Engineers

Lead Hand Bob Stahlecker

Second Hand Chad Vallad

Perm Datum

Ground

Elevation

4,917.00 ft

Log depth measured from KB is

23.00 ft

above perm datum.

KB = 4,940.00 ft

Total Depth 15,075.00 ft

Spud Date

Jul/12/2018

End Date

Jul/16/2018

(MD) Log Interval

Start Depth

2,185.86 ft

End Depth

15,075.00 ft

Bore Hole Record

Hole Size From To

13.50 in 0.00 ft 2,243.00 ft

8.50 in 2,243.00 ft 15,075.00 ft

Casing Record

Type Size WGT From To

LT&C 9.63 in 40.00 lbs/ft 0.00 ft 2,243.00 ft

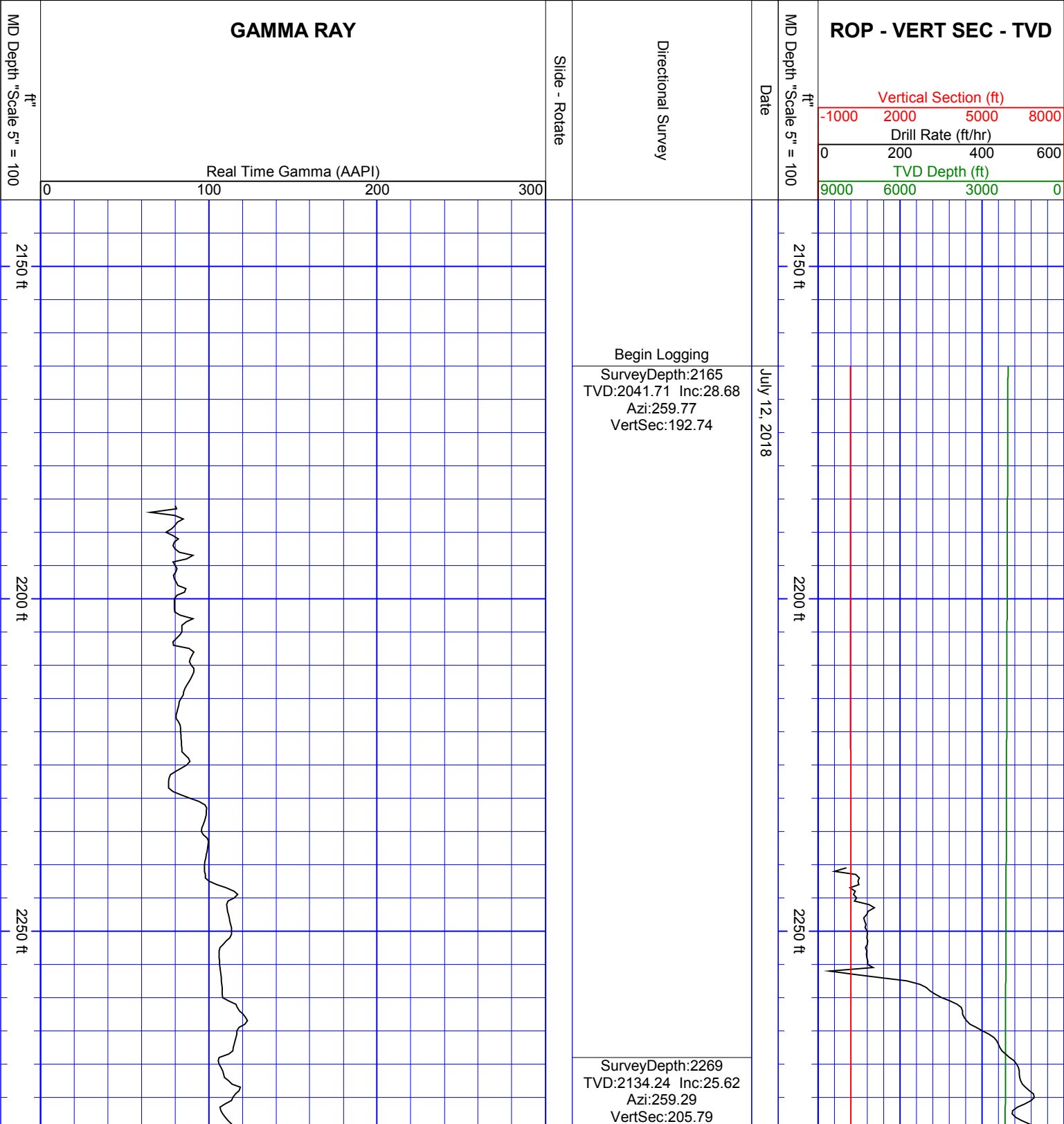
LT&C 5.50 in 20.00 lbs/ft 0.00 ft 15,075.00 ft

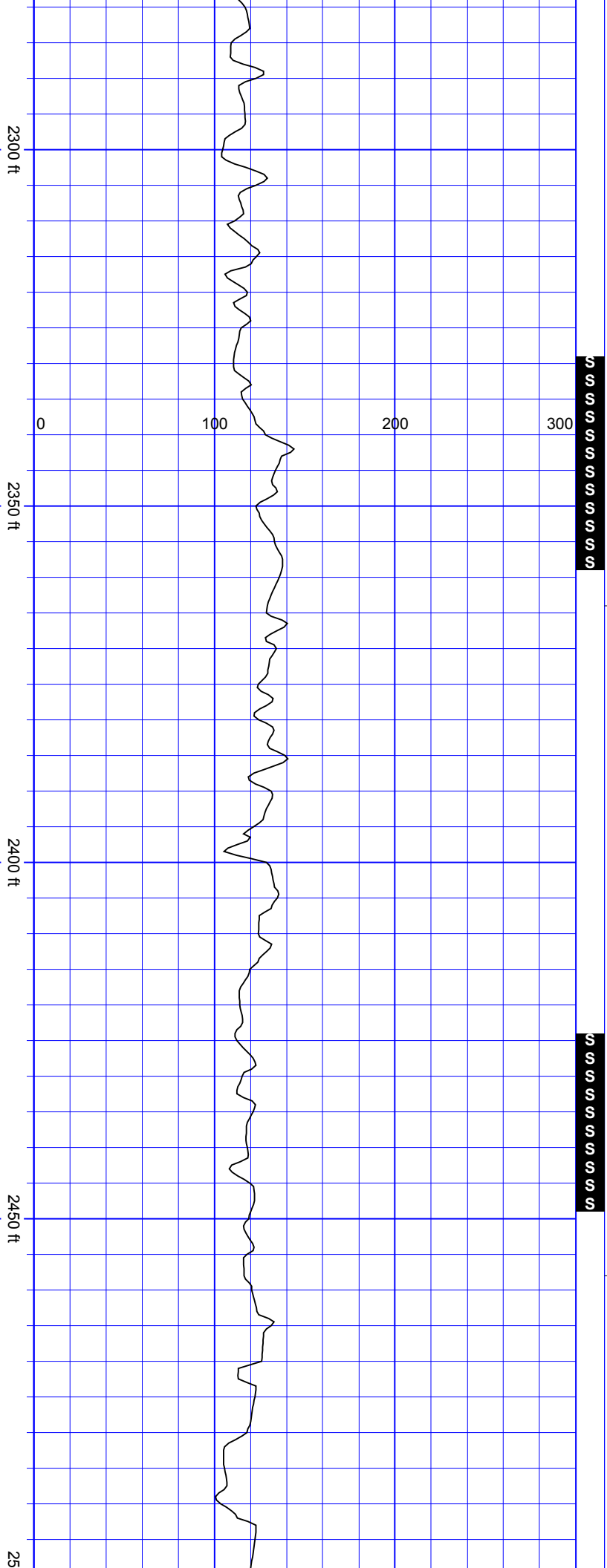
Run Data

| | | | | | |
|------------------------|----------------------|--|--|--|--|
| Bit Run Number | 1 | | | | |
| Start Date & Time | Jul/12/2018 08:30:00 | | | | |
| End Date & Time | Jul/16/2018 17:00:00 | | | | |
| Run Hours | 104.50 | | | | |
| Depth In | 2,243.00 ft | | | | |
| Depth Out | 15,075.00 ft | | | | |
| Total Gamma Correction | 5.54 | | | | |
| Gamma to Bit | 54.23 ft | | | | |
| Resistivity to Bit | - | | | | |
| Mud Type | Oil Based | | | | |
| Density | 10.20 ppg | | | | |
| Viscosity | 52.00 sec/qt | | | | |
| PH | - | | | | |
| Fluid Loss | 15.00 cc | | | | |
| K+ ppm | - | | | | |
| CL- ppm | 233,331.00 mg/L | | | | |
| Max Mud Temp | 260.00 °F | | | | |
| Mud Report Depth | 15,075.00 ft | | | | |

Remarks

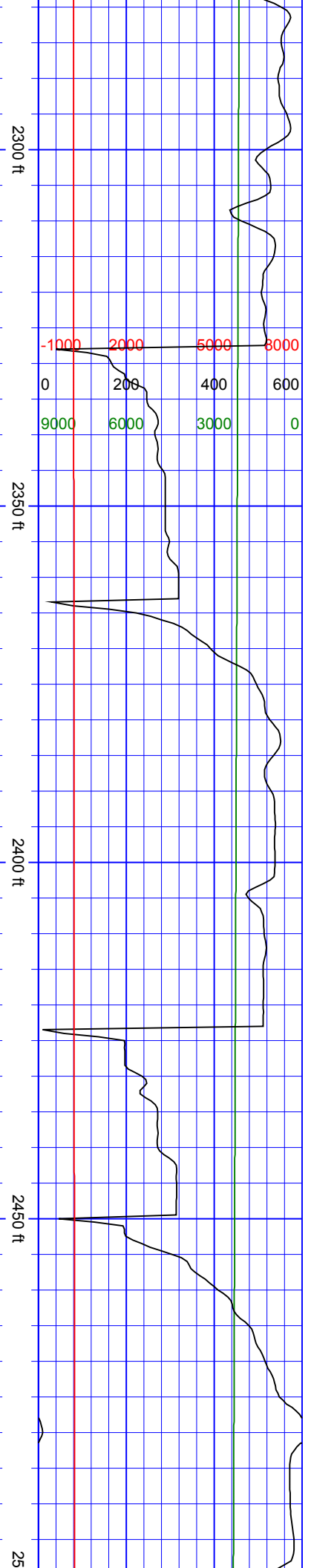
Interpretations of this data by Cathedral Energy Services will be of best judgment as to correctness. Cathedral Energy Services cannot and does not guarantee the accuracy or correctness of interpretations or any surveys derived therefrom. Cathedral Energy Services makes no warranties of performance, 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.

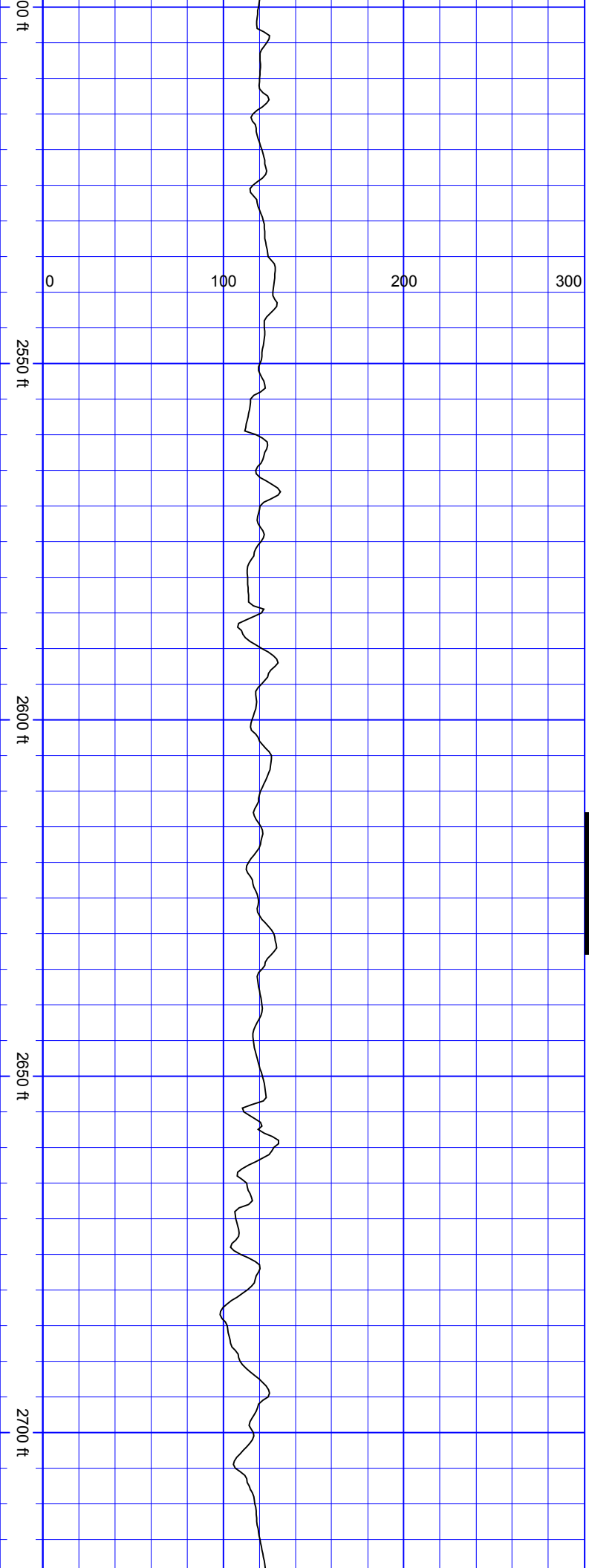




SurveyDepth:2364
TVD:2219.11 Inc:27.77
Azi:262.63
VertSec:218.59

SurveyDepth:2458
TVD:2301.06 Inc:30.89
Azi:265.79
VertSec:234.87

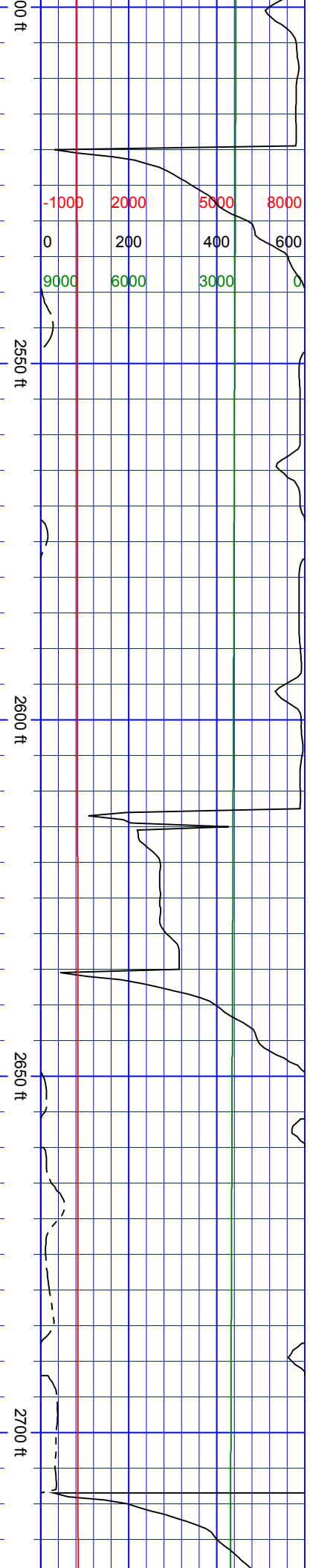


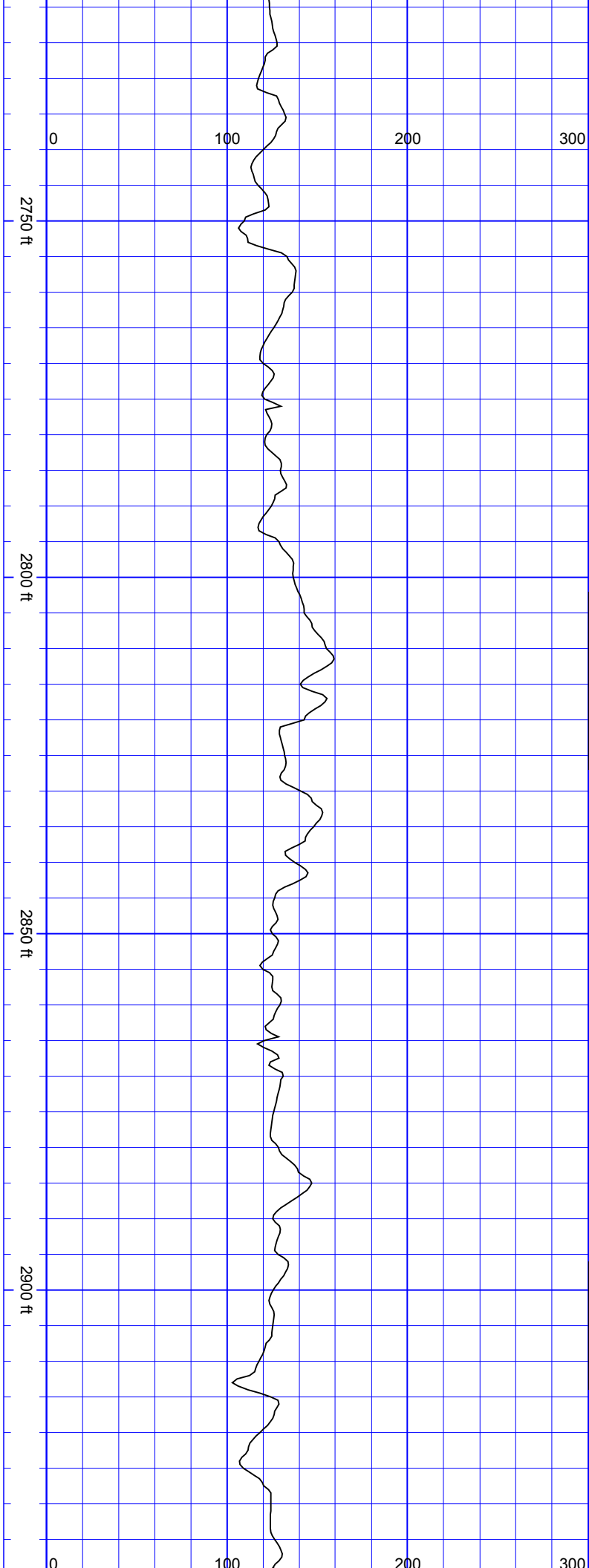


SurveyDepth:2553
TVD:2383.21 Inc:29.4
Azi:265.88
VertSec:252.94

SSSSSSSS

SurveyDepth:2647
TVD:2464.75 Inc:30.28
Azi:263.59
VertSec:269.81

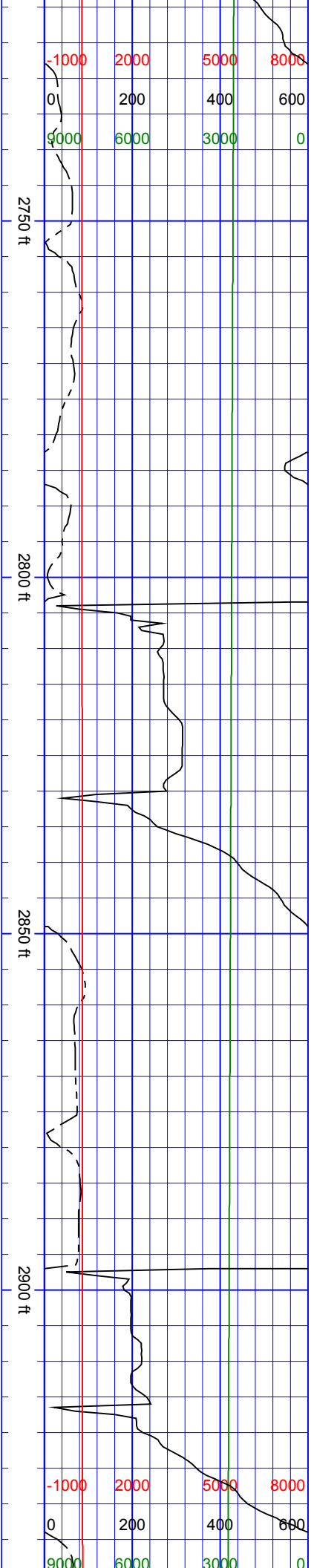


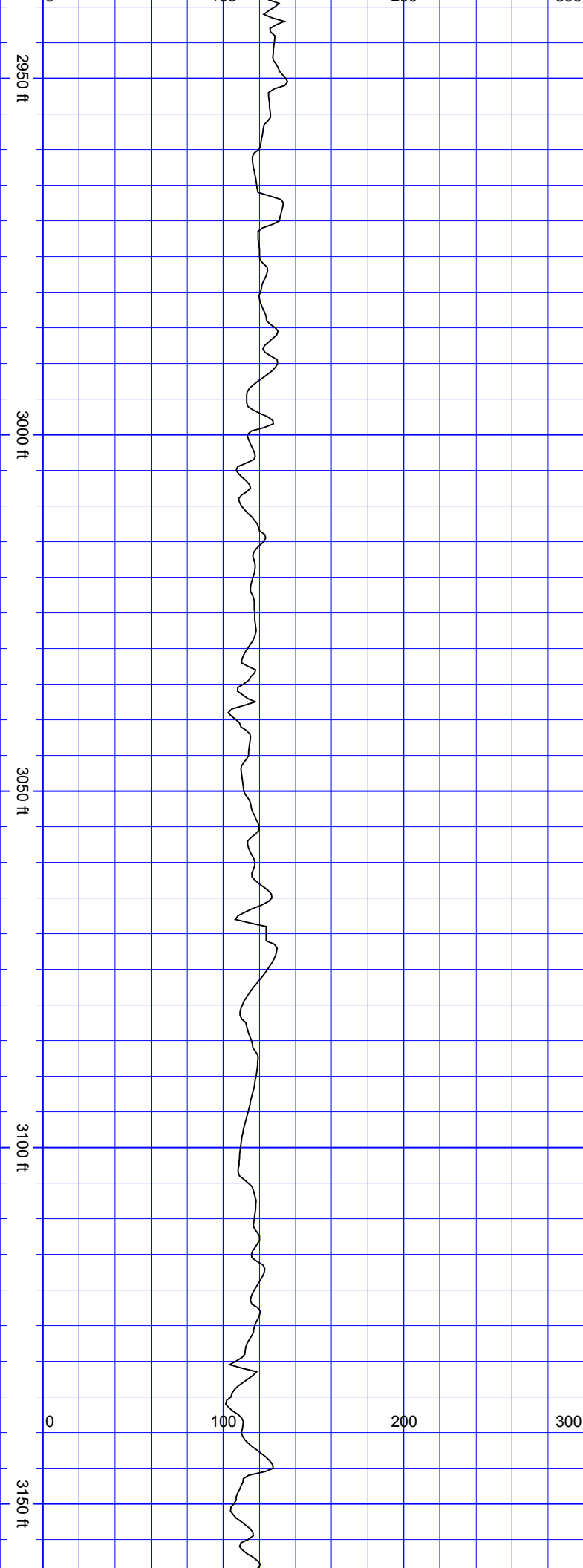


SurveyDepth:2742
TVD:2547.63 Inc:28.21
Azi:263.5
VertSec:285.67

SurveyDepth:2836
TVD:2630.22 Inc:28.87
Azi:260.78
VertSec:299.96

SurveyDepth:2931
TVD:2713.11 Inc:29.62
Azi:258.76

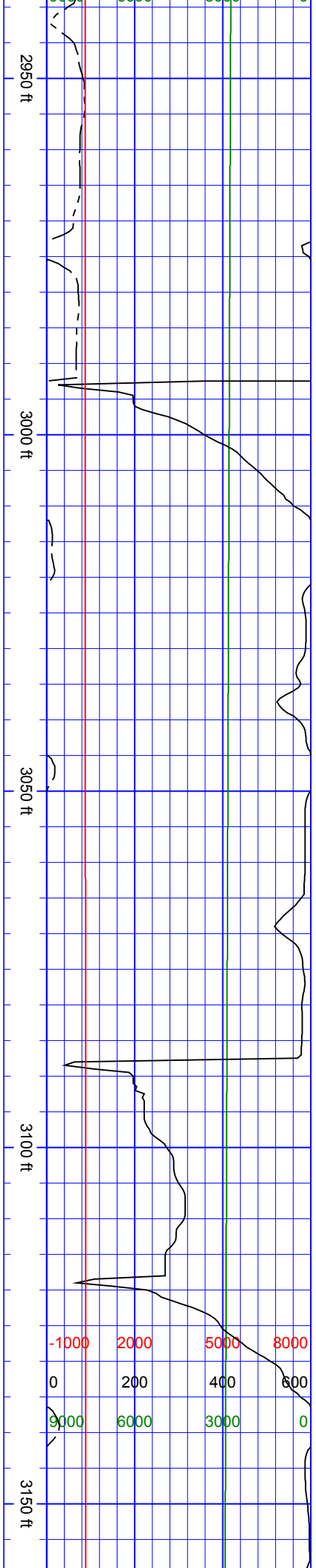


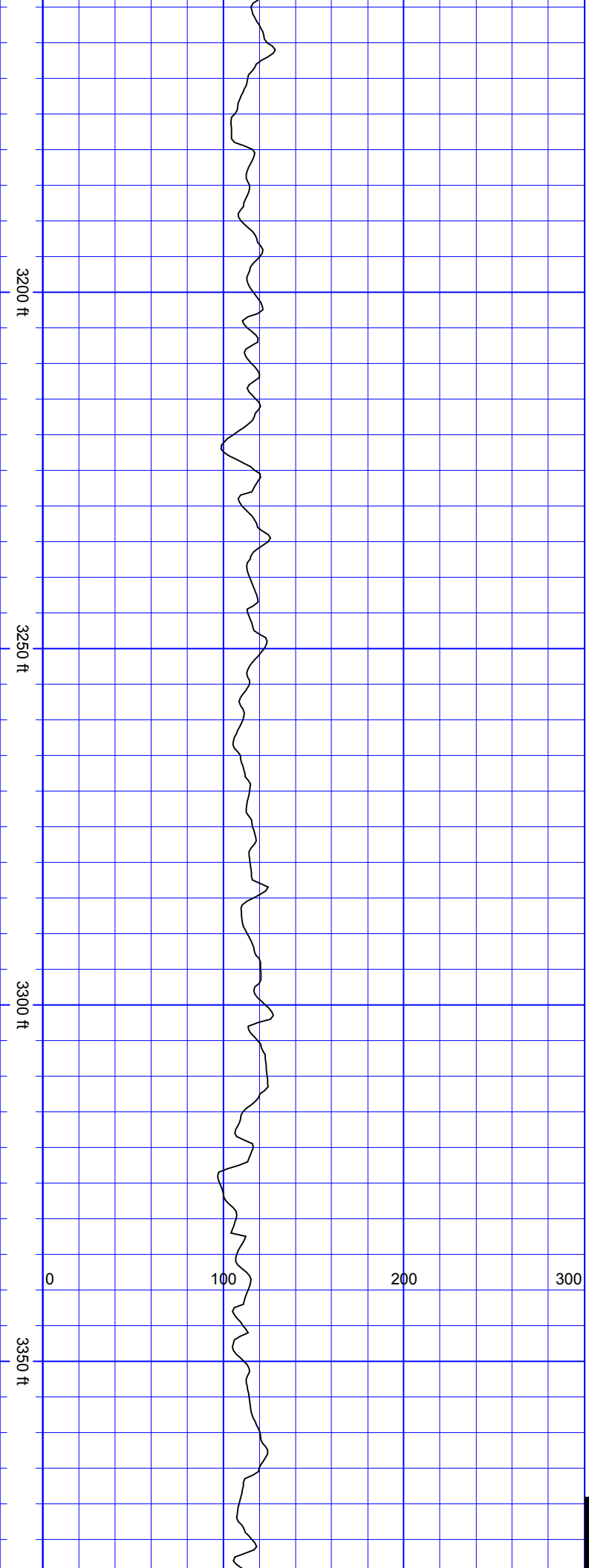


VertSec:312.9

SurveyDepth:3025
TVD:2795.44 Inc:28.08
Azi:258.14
VertSec:324.55

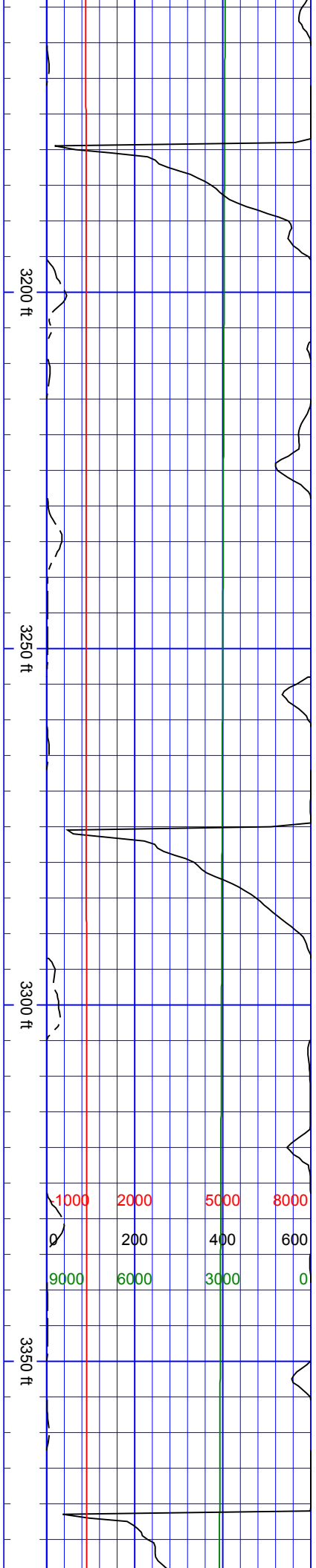
SurveyDepth:3120
TVD:2878.11 Inc:30.94
Azi:261.66
VertSec:337.76





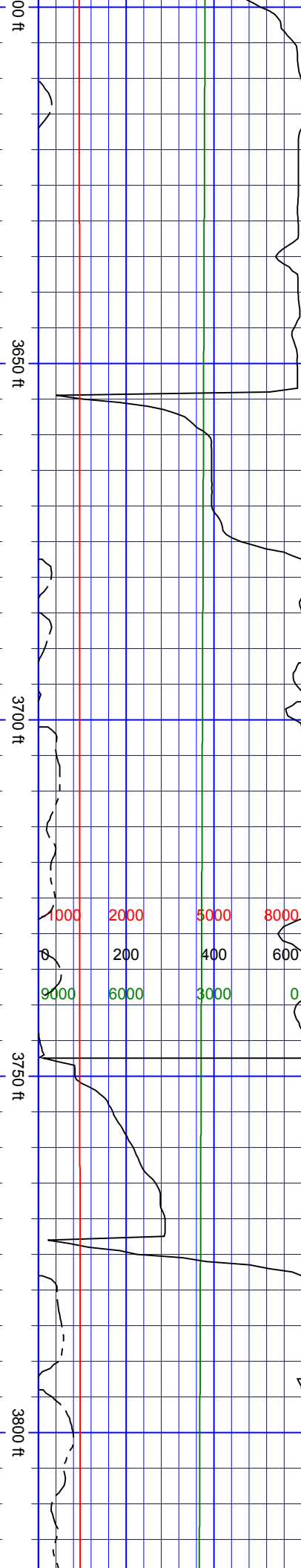
SurveyDepth:3214
TVD:2959.34 Inc:29.49
Azi:260.43
VertSec:351.97

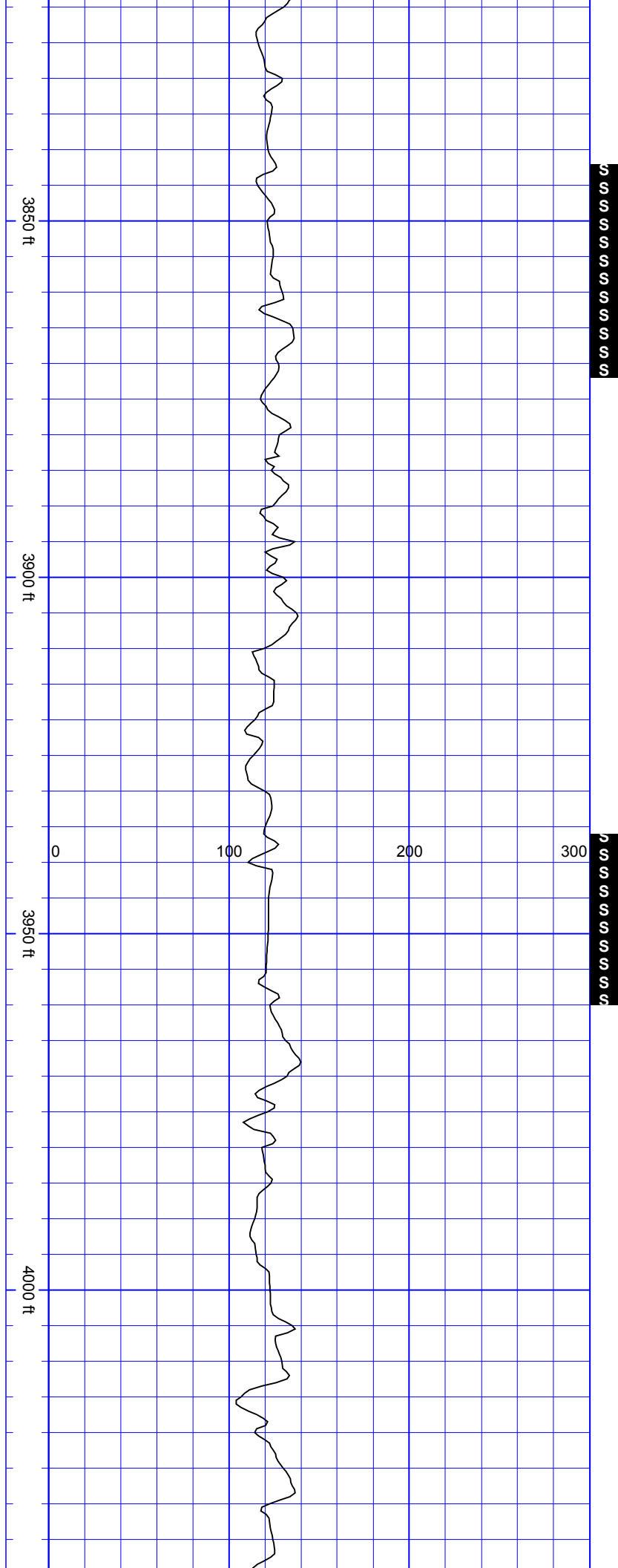
SurveyDepth:3309
TVD:3042.69 Inc:27.86
Azi:259.99
VertSec:365.03



| |
|-----------------------|
| SurveyDepth:3687 |
| TVD:3374.85 Inc:27.03 |
| Azi:258.41 |
| VertSec:418.11 |

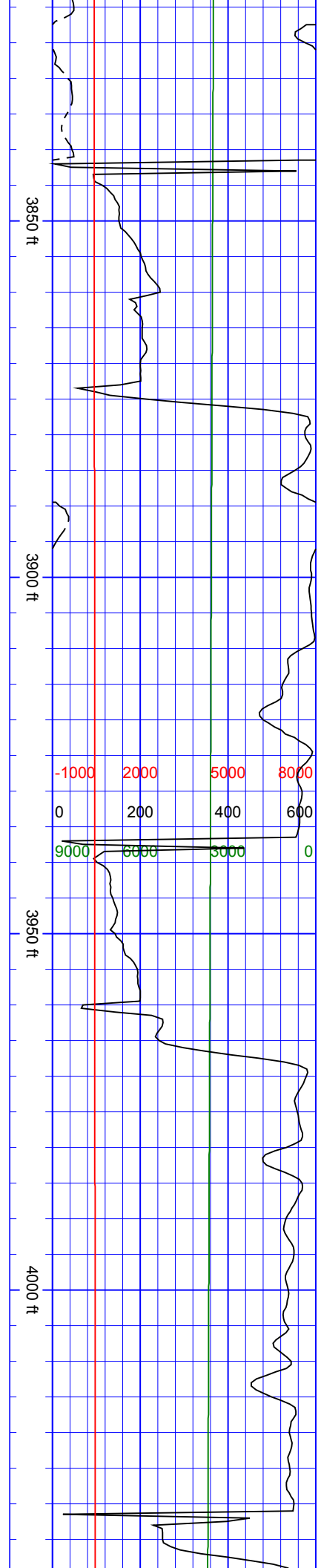
SurveyDepth:3782
TVD:3459.12 Inc:27.95
Azi:258.23
VertSec:429.27

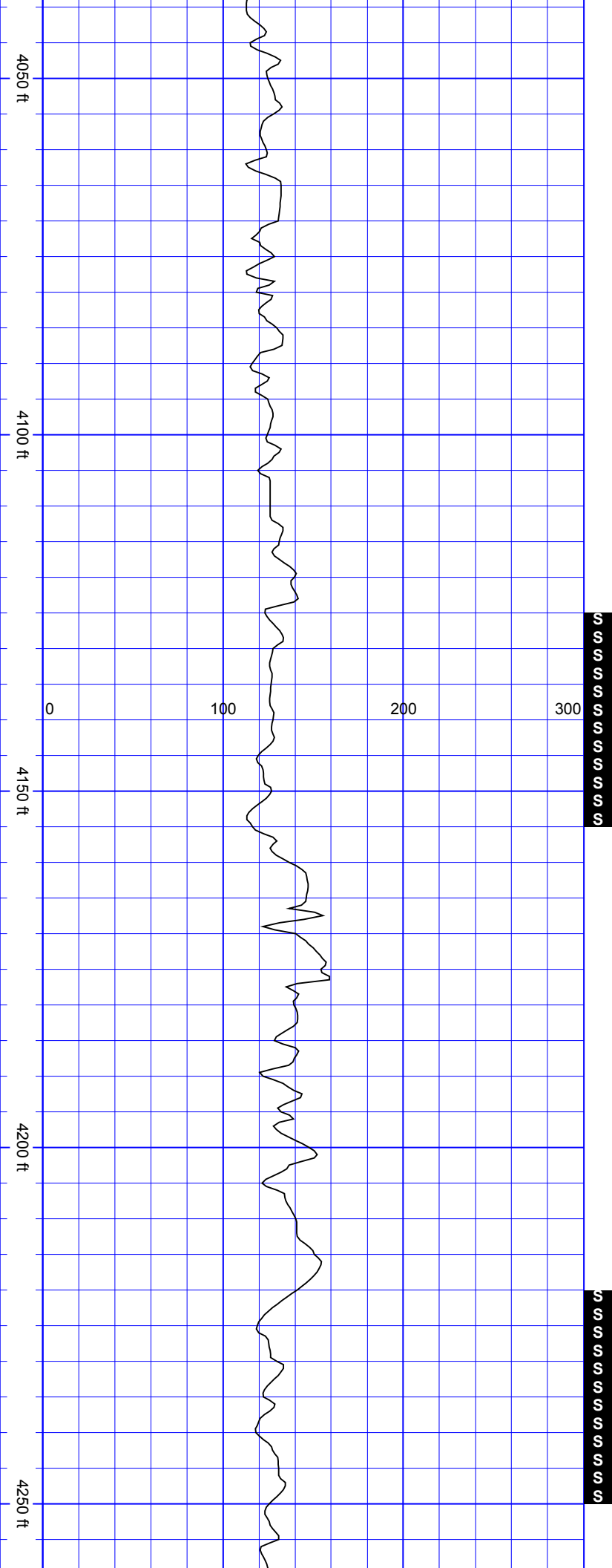




SurveyDepth:3876
TVD:3541.59 Inc:29.4
Azi:261.22
VertSec:441.84

SurveyDepth:3971
TVD:3624.02 Inc:30.23
Azi:263.68
VertSec:457.14

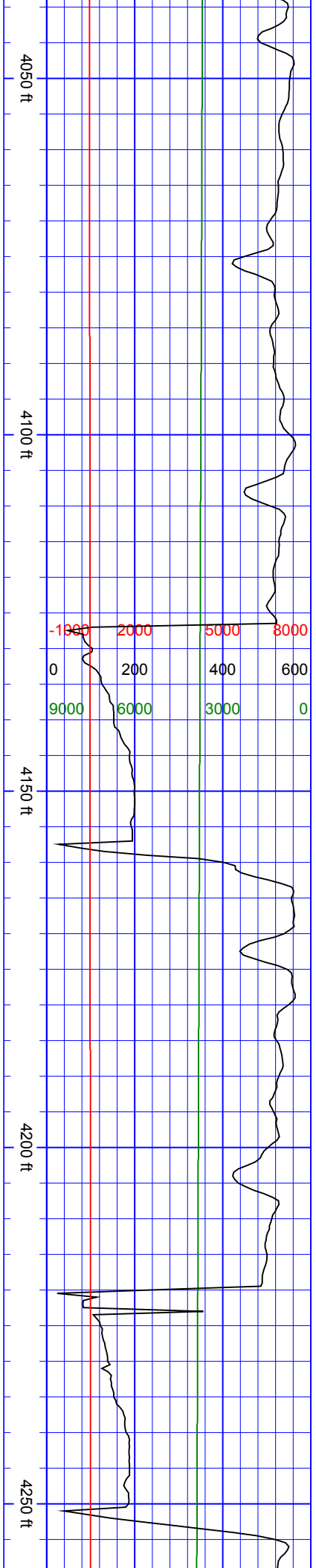




SurveyDepth:4065
TVD:3706.52 Inc:27.03
Azi:262.8
VertSec:472.31

SurveyDepth:4160
TVD:3790.74 Inc:28.08
Azi:264.56
VertSec:487.43

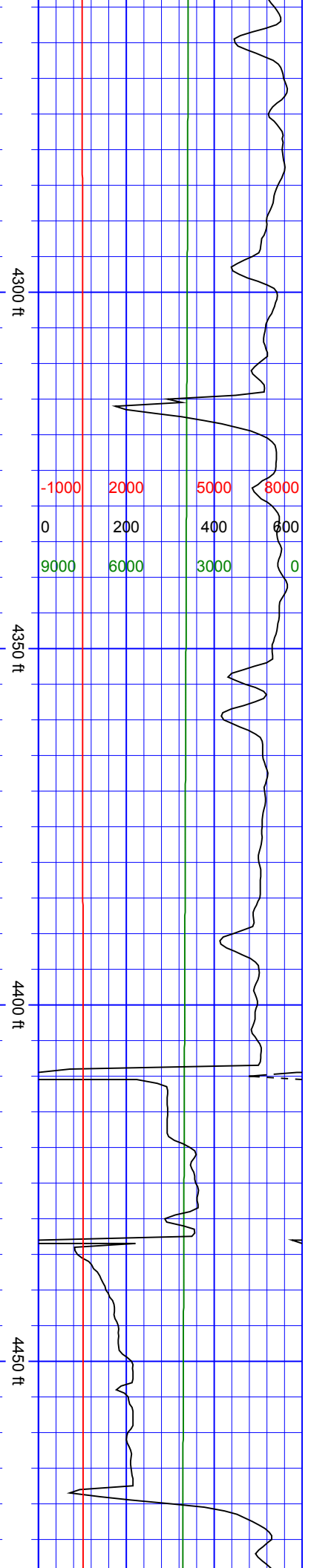
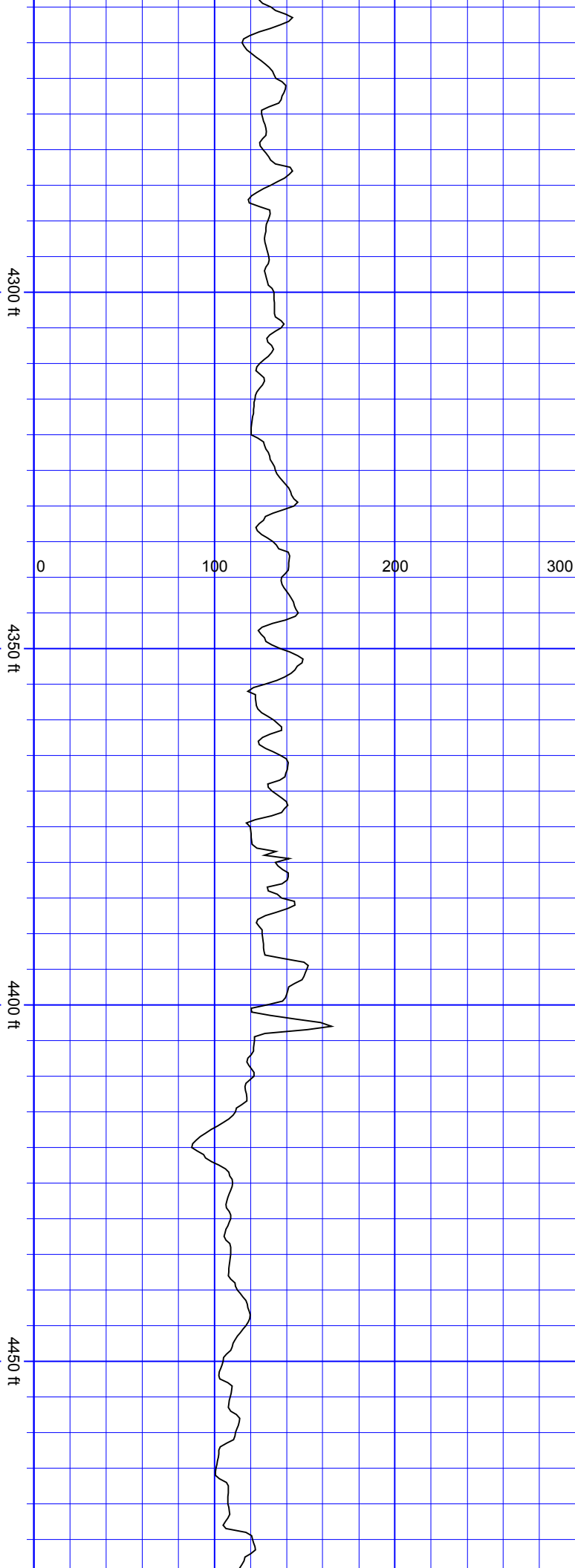
SurveyDepth:4254
TVD:3872.65 Inc:30.67

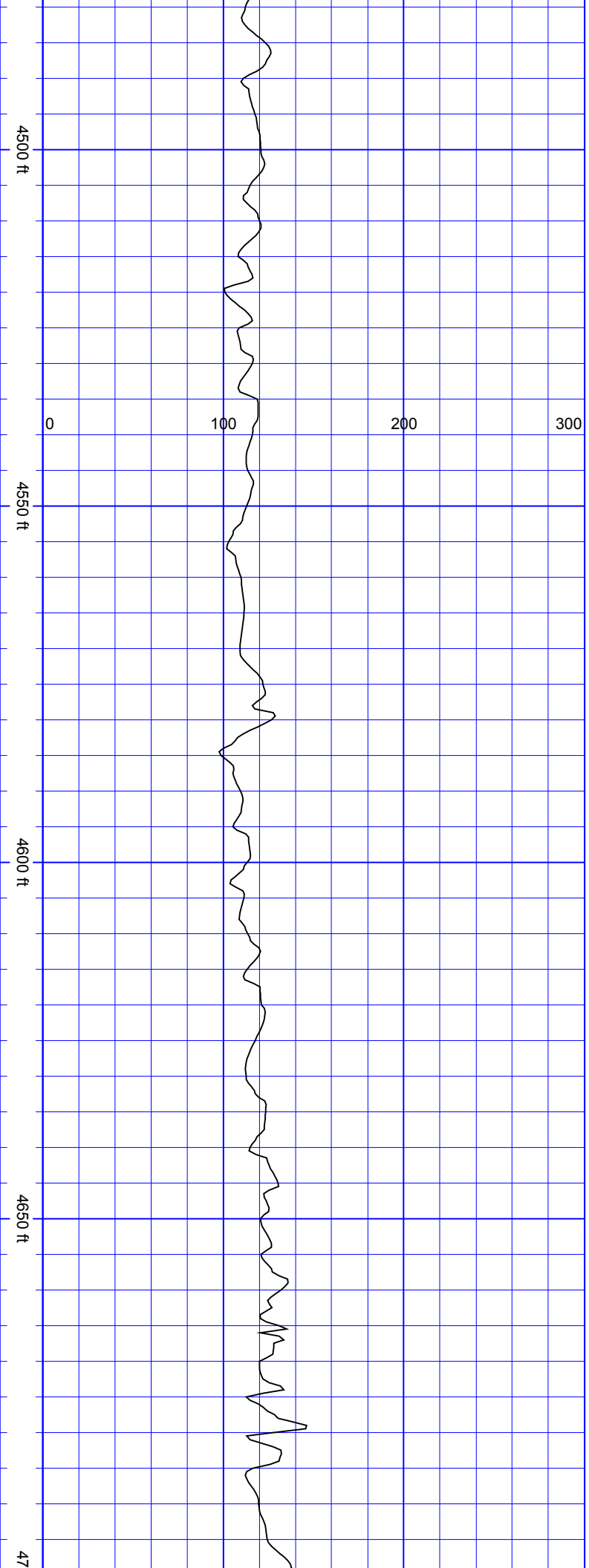


Azi:263.07
VertSec:503.36

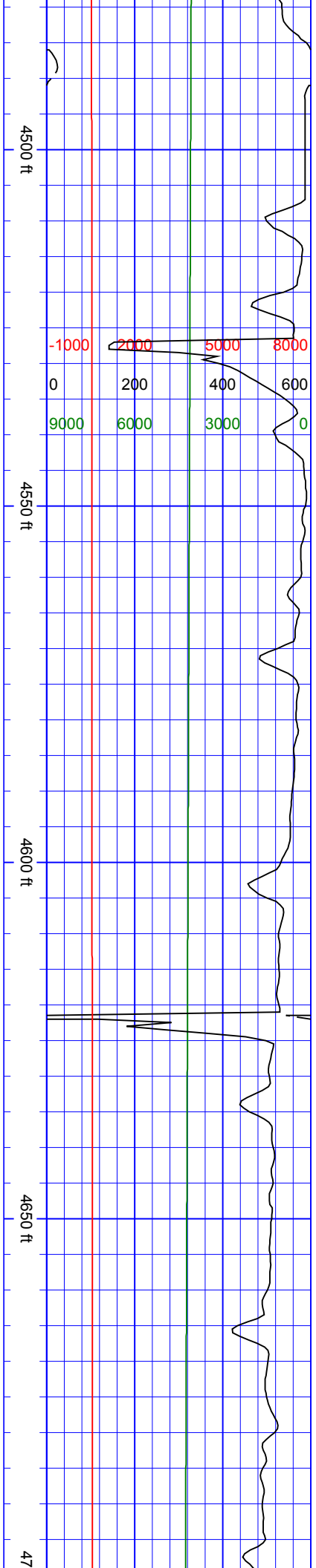
SurveyDepth:4372
TVD:3976.01 Inc:26.98
Azi:262.98
VertSec:522.31

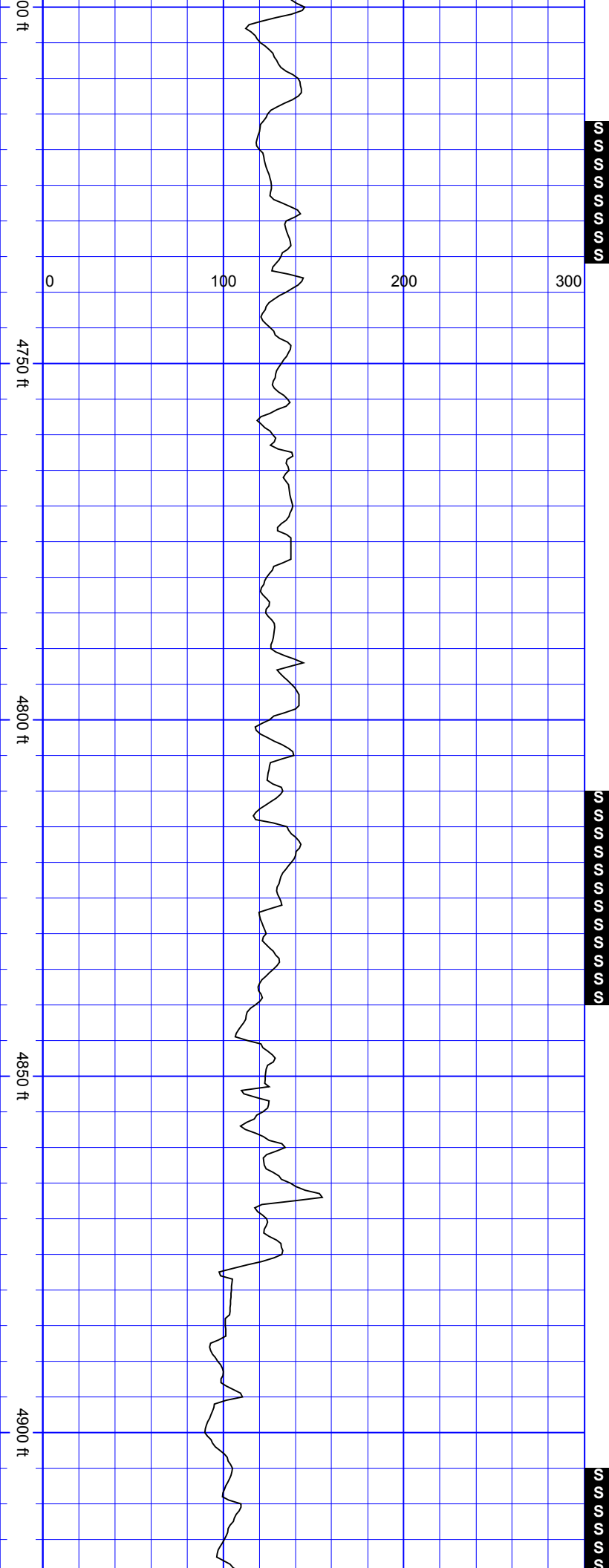
SurveyDepth:4466
TVD:4058.23 Inc:30.98
Azi:260.16
VertSec:536.31





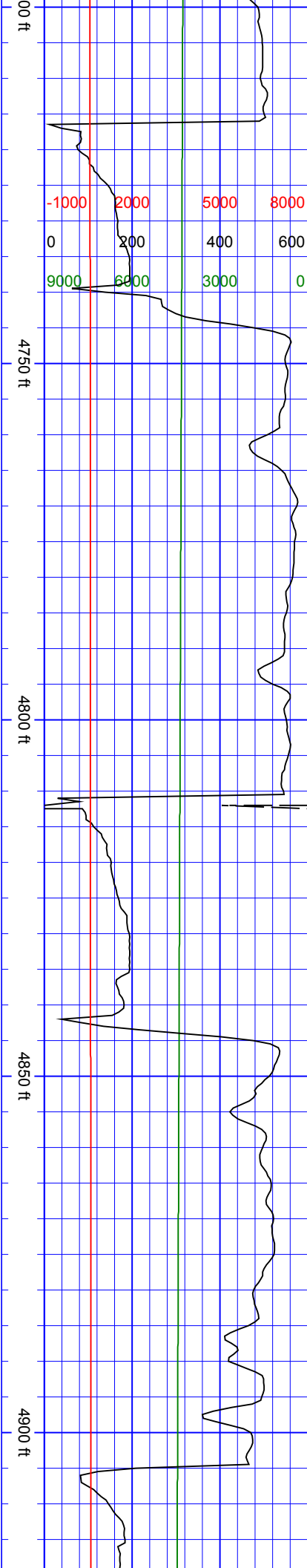
| |
|---|
| SurveyDepth:4561 TVD:4140.17 Inc:29.8 Azi:259.64 VertSec:549.82 |
| SurveyDepth:4656 TVD:4223.43 Inc:27.77 Azi:259.46 VertSec:562.42 |

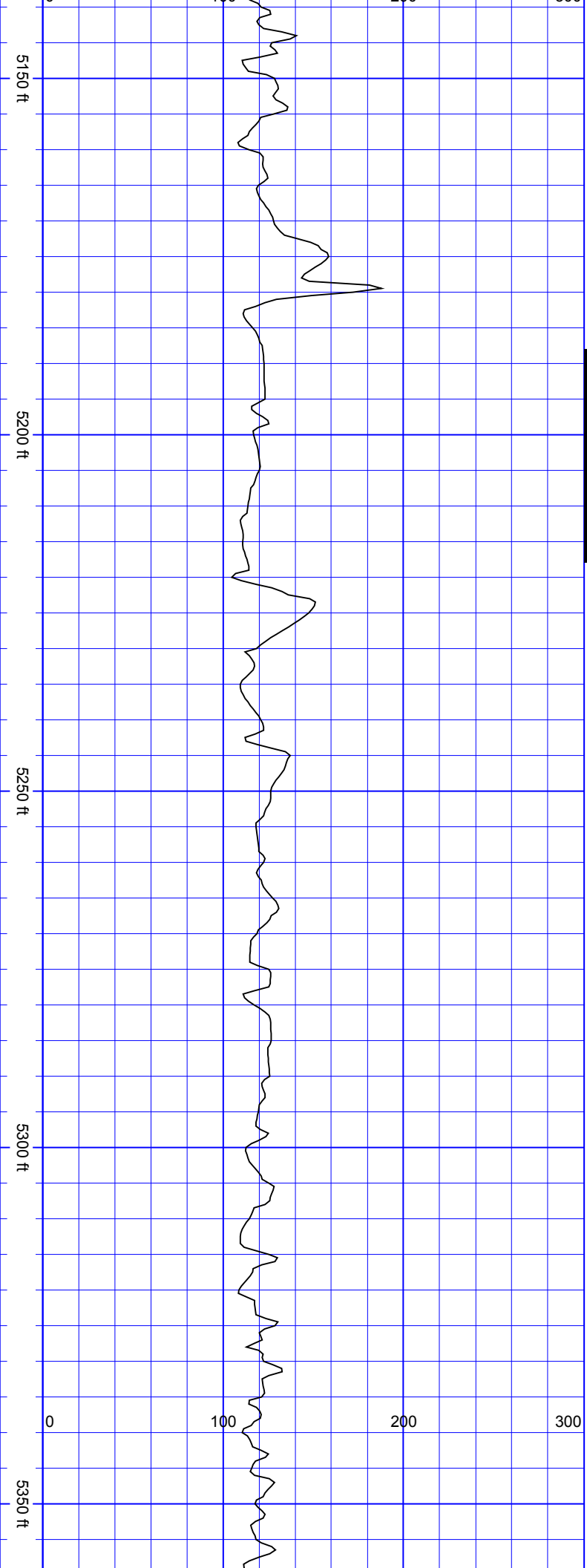




SurveyDepth:4750
TVD:4306.54 Inc:27.95
Azi:260.78
VertSec:574.93

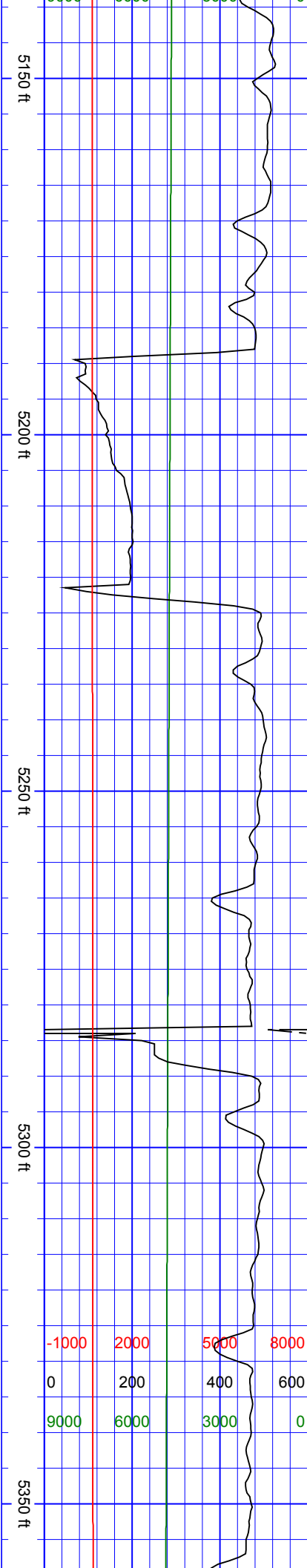
SurveyDepth:4845
TVD:4389.92 Inc:29.31
Azi:261.92
VertSec:588.84

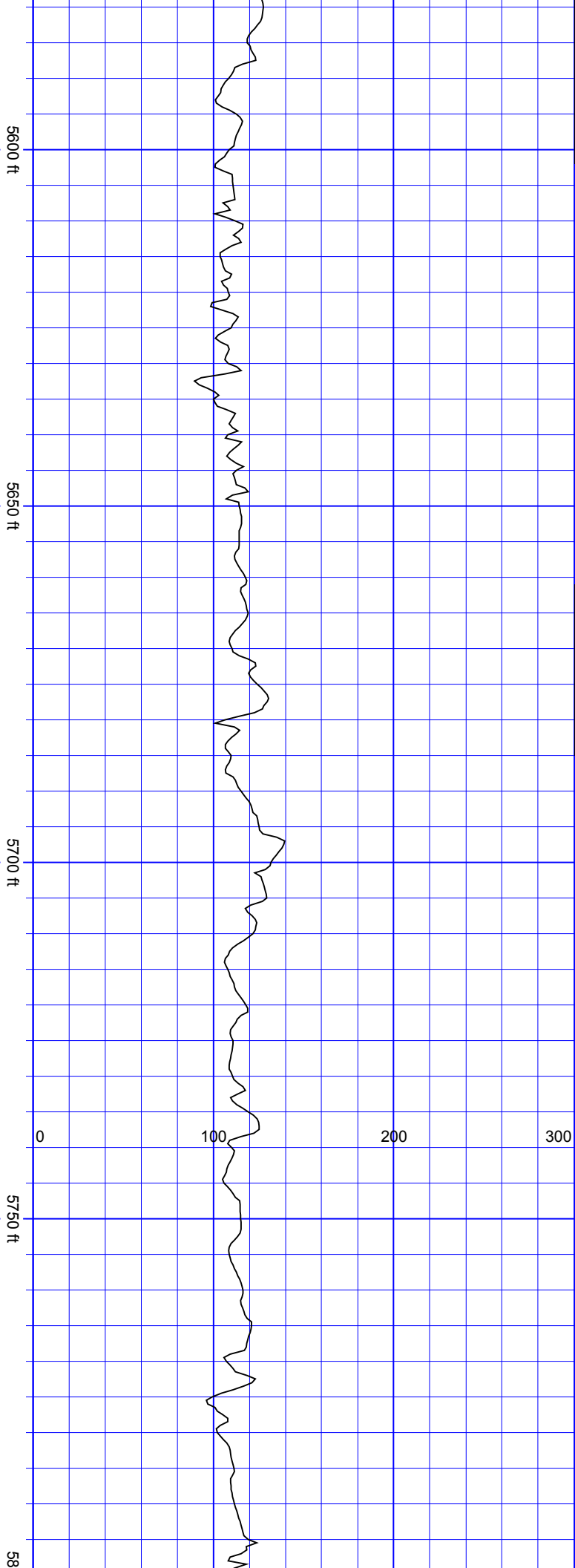




SurveyDepth:5223
TVD:4719.5 Inc:31.42
Azi:261.22
VertSec:652.11

SurveyDepth:5318
TVD:4801.71 Inc:28.7
Azi:259.29
VertSec:665.8

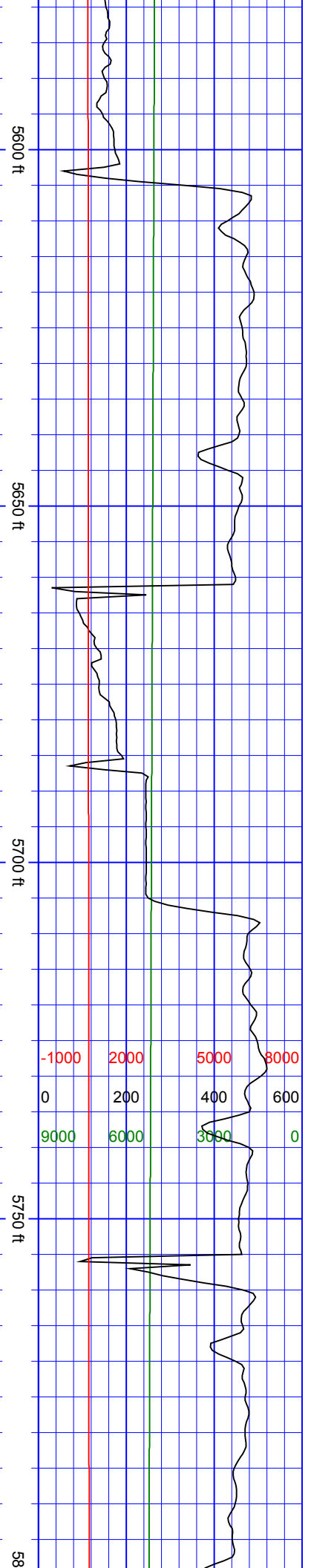


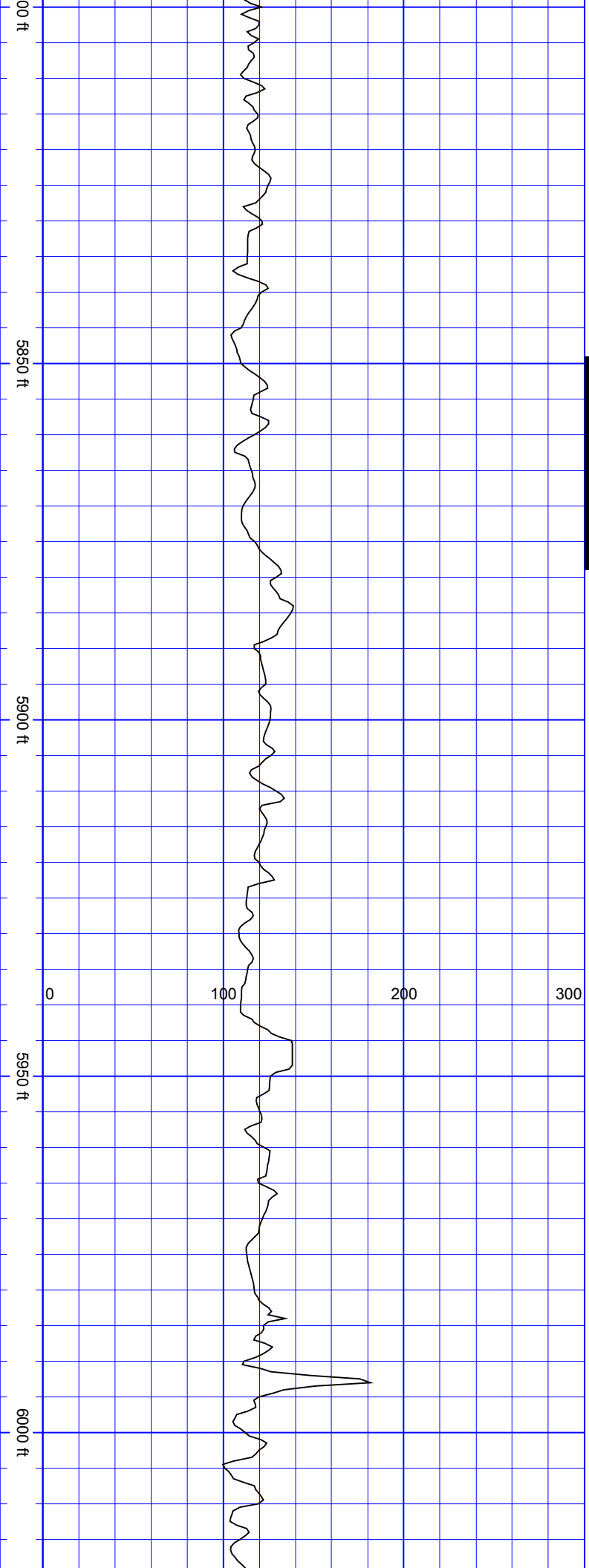


SurveyDepth:5601
TVD:5049.76 Inc:30.23
Azi:260.43
VertSec:703.46

SurveyDepth:5695
TVD:5130.41 Inc:31.6
Azi:264.74
VertSec:719.22

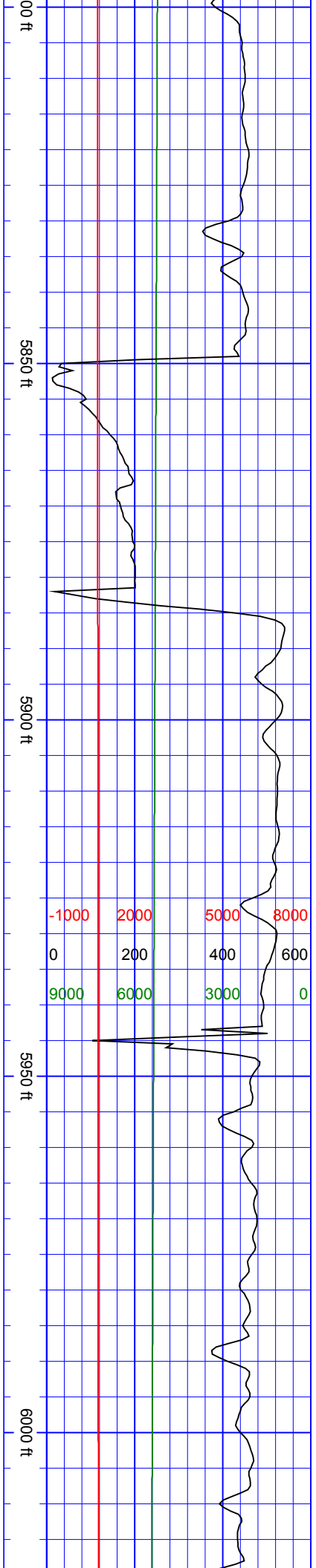
SurveyDepth:5789
TVD:5211.29 Inc:29.66
Azi:263.15
VertSec:735.91

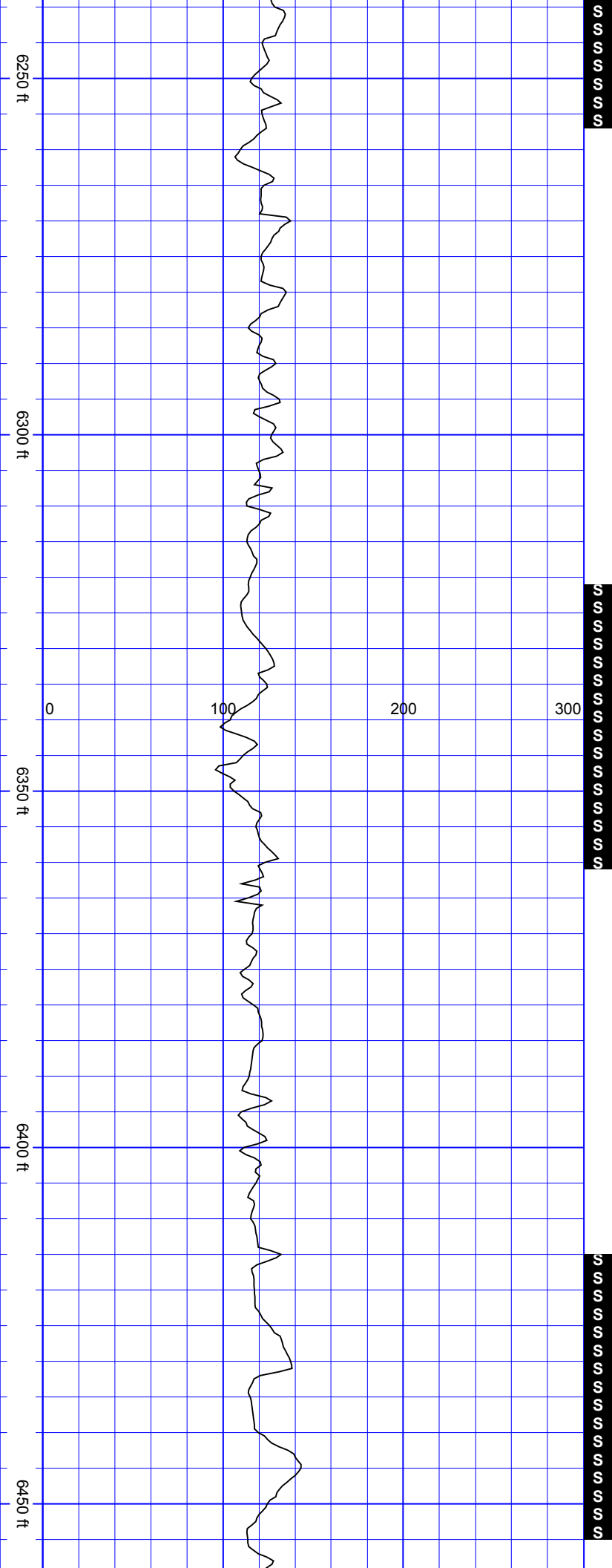




SurveyDepth:5883
TVD:5292.41 Inc:31.03
Azi:260.69
VertSec:750.84

SurveyDepth:5978
TVD:5375.17 Inc:27.77
Azi:259.81
VertSec:764.24

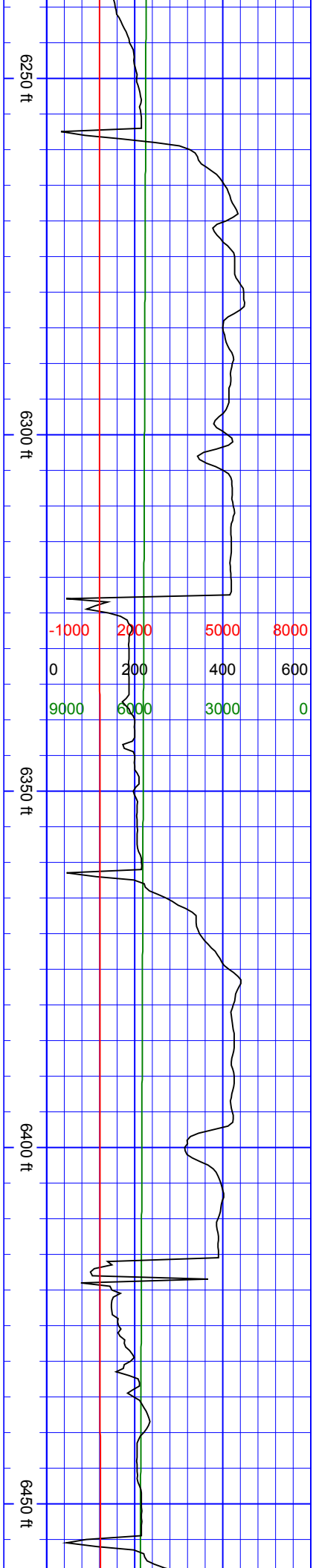




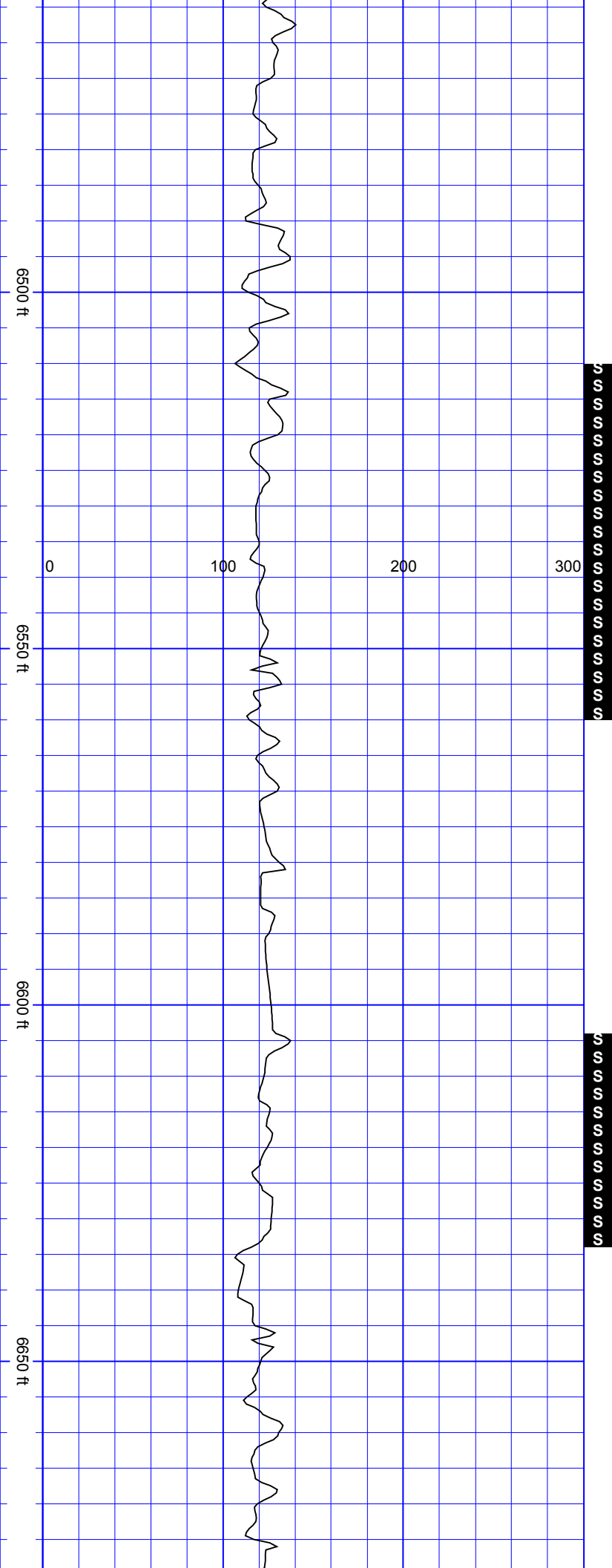
SurveyDepth:6261
TVD:5625.11 Inc:26.59
Azi:263.24
VertSec:804.56

SurveyDepth:6355
TVD:5708.82 Inc:27.51
Azi:263.59
VertSec:819.08

SurveyDepth:6450
TVD:5792.84 Inc:28.13
Azi:262.71
VertSec:833.93



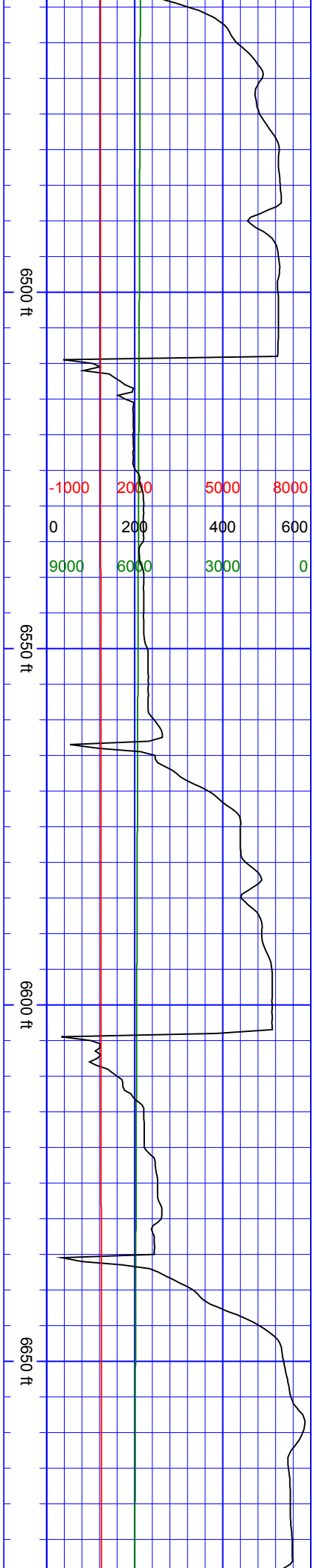
VertSec:855.93

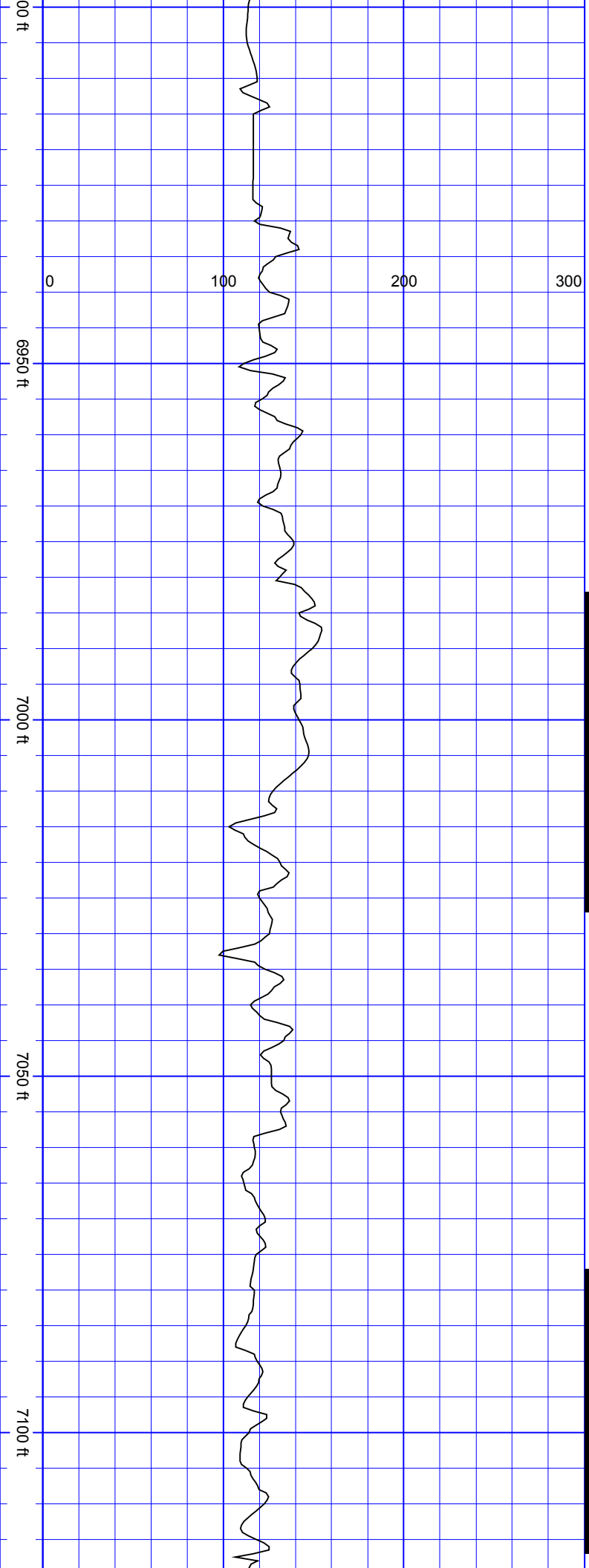


SurveyDepth:6544
TVD:5875.35 Inc:29.14
Azi:264.82
VertSec:849.49



SurveyDepth:6638
TVD:5956.63 Inc:31.16
Azi:265 VertSec:866.67

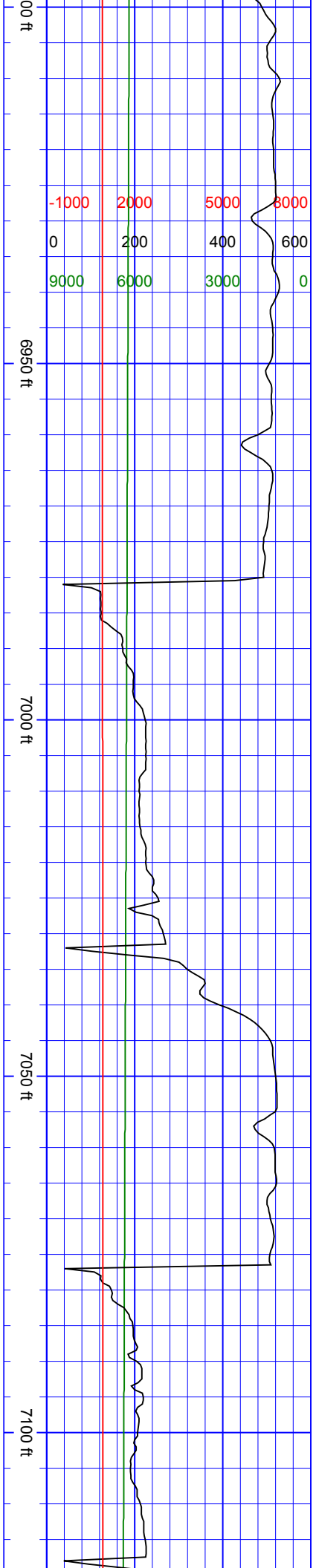
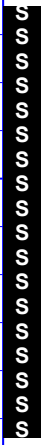


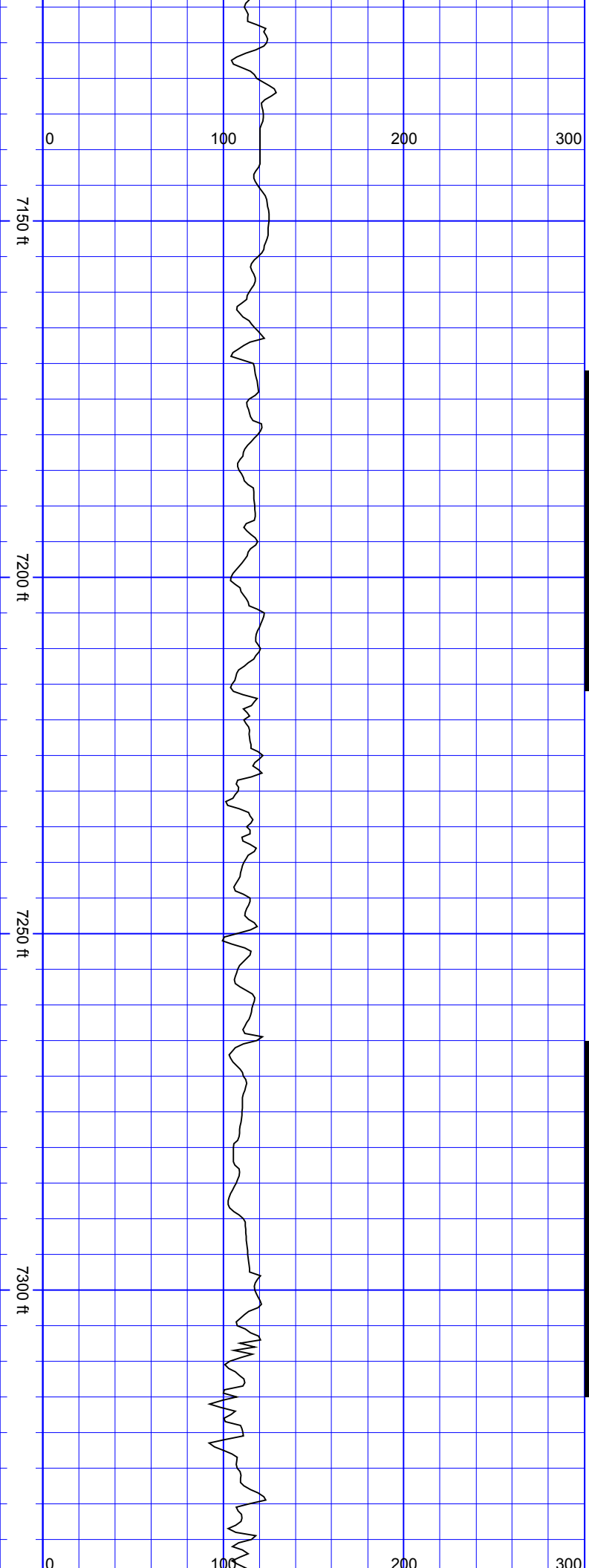


SurveyDepth:6922
TVD:6202.94 Inc:26.02
Azi:254.54
VertSec:905.78

SurveyDepth:7017
TVD:6288.11 Inc:26.59
Azi:257.53
VertSec:914.88

SurveyDepth:7111
TVD:6371.66 Inc:27.99
Azi:263.07

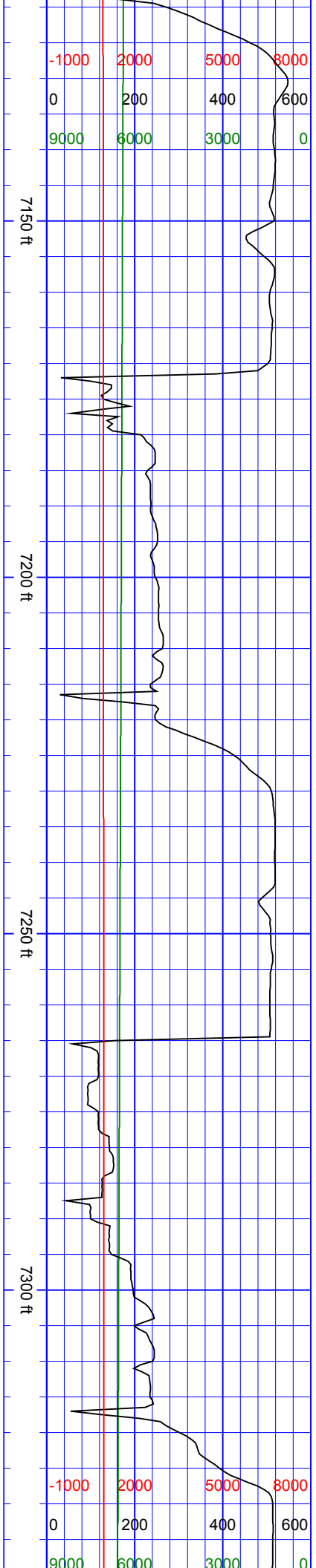


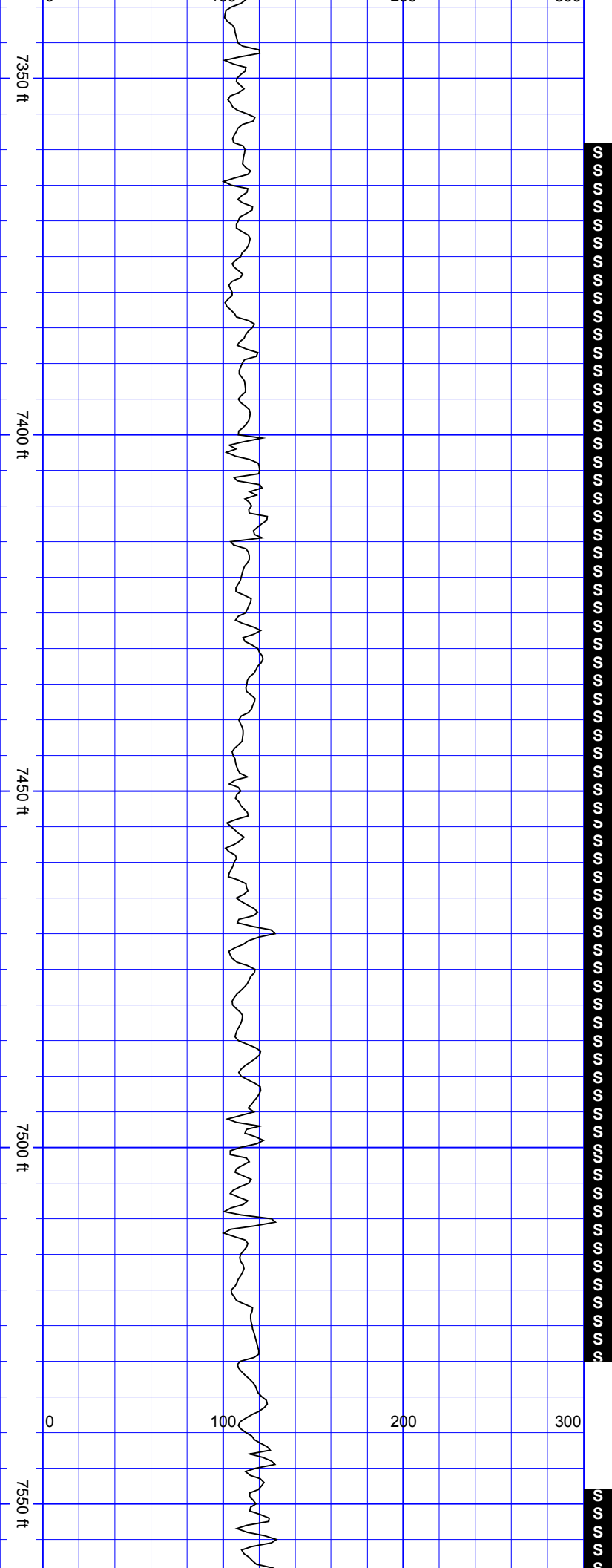


SurveyDepth:7205
TVD:6454.96 Inc:27.2
Azi:262.89
VertSec:941.79



SurveyDepth:7299
TVD:6538.19 Inc:28.21
Azi:260.25
VertSec:955.27



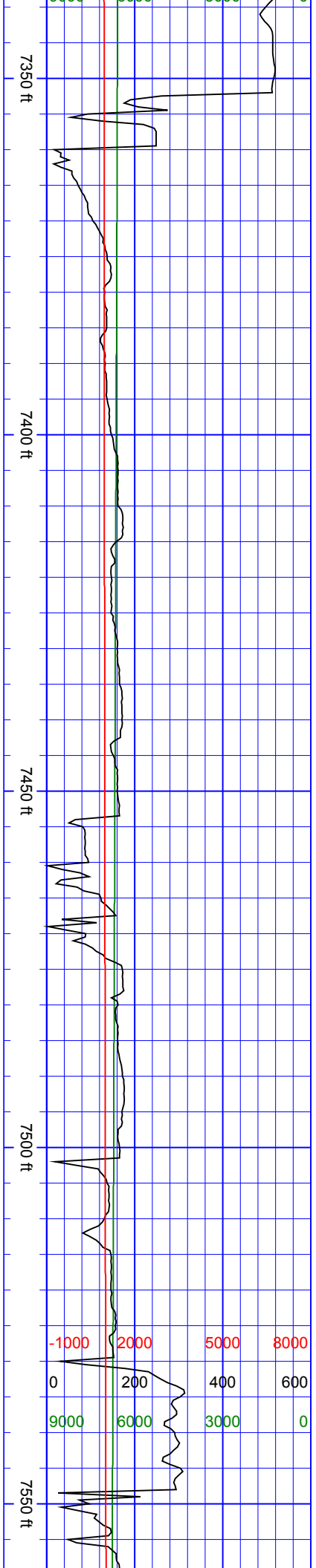


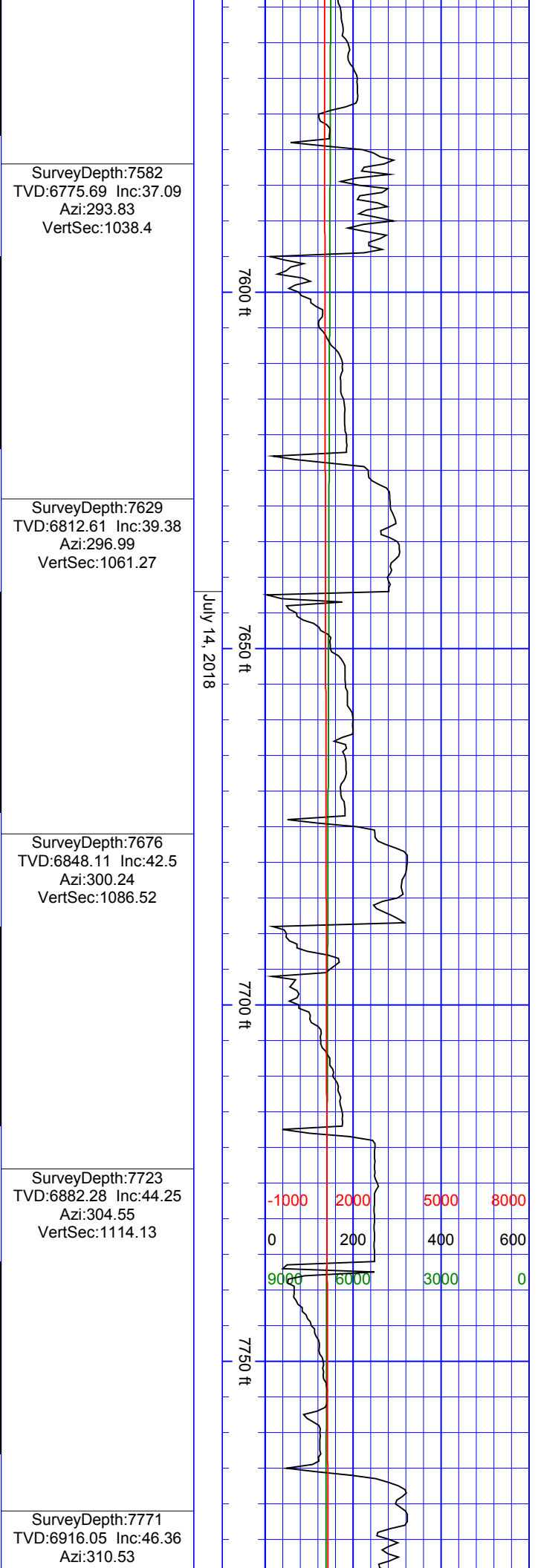
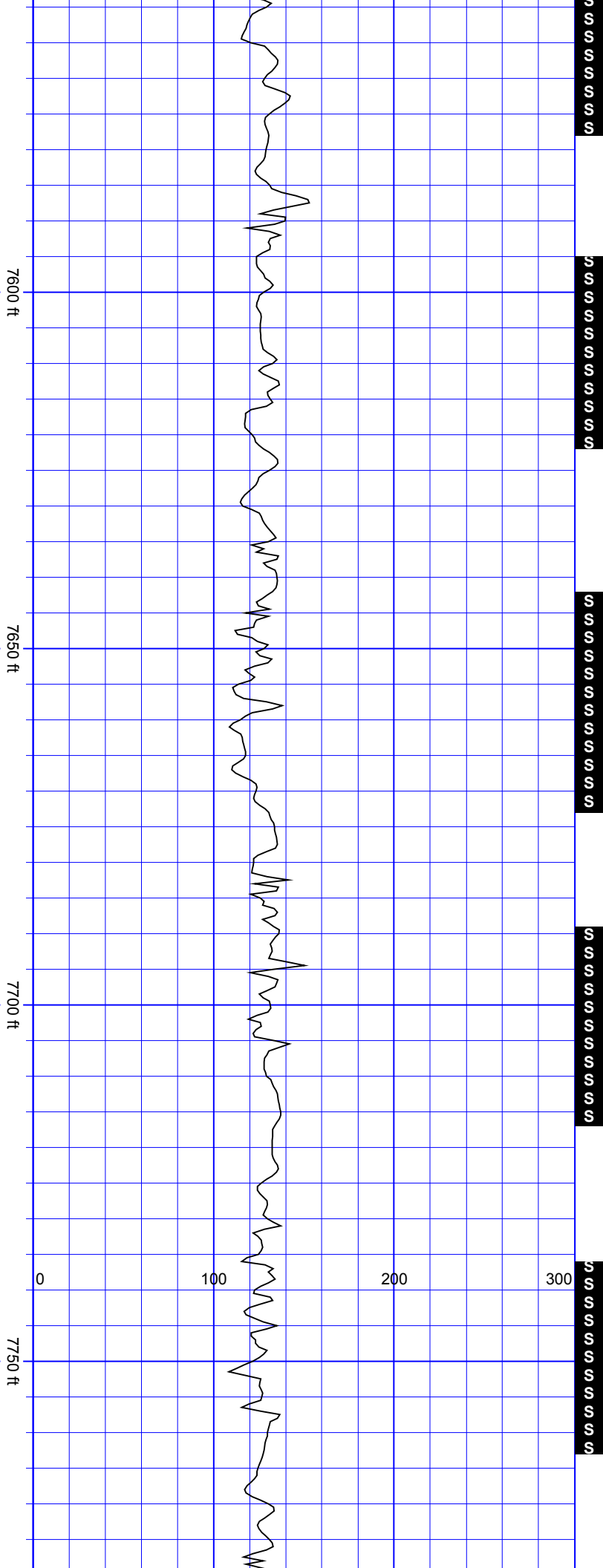
SurveyDepth:7394
TVD:6620.81 Inc:30.98
Azi:267.02
VertSec:971.46

SurveyDepth:7441
TVD:6660.38 Inc:34.41
Azi:276.42
VertSec:983.48

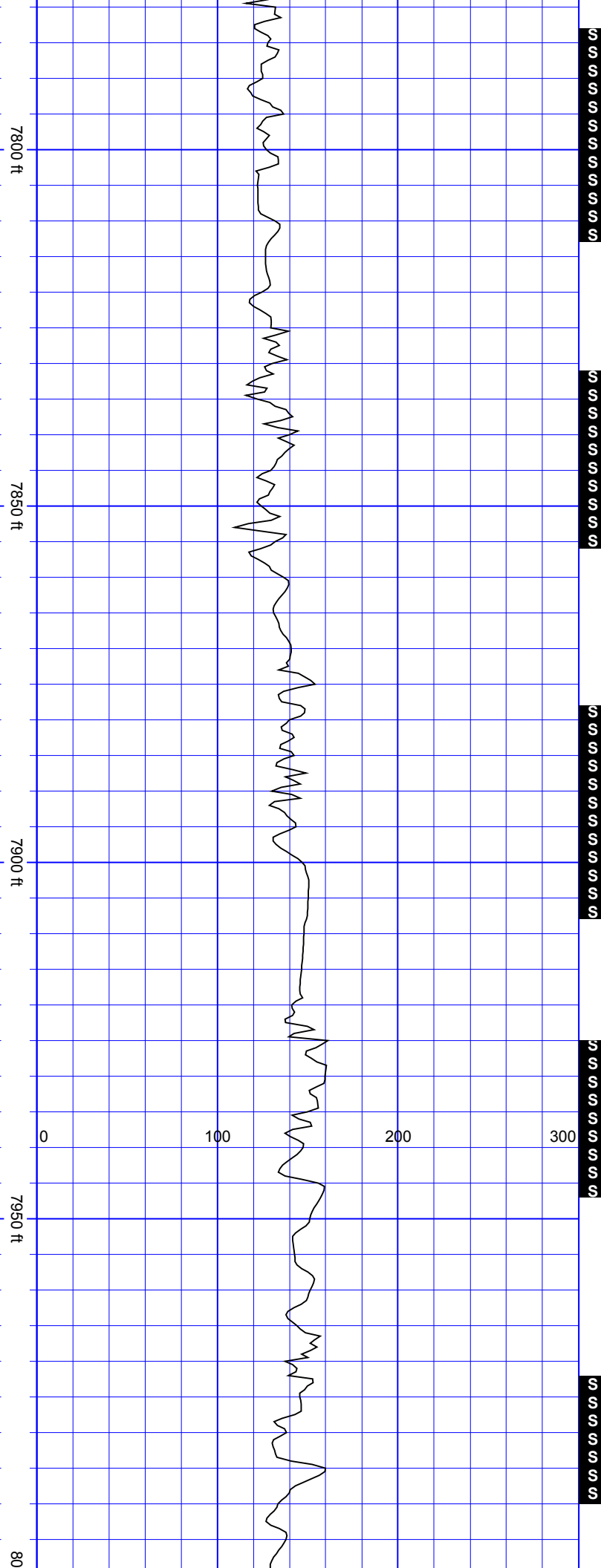
SurveyDepth:7488
TVD:6699.37 Inc:33.57
Azi:284.16
VertSec:999.15

SurveyDepth:7535
TVD:6737.95 Inc:36.12
Azi:289.43
VertSec:1017.55





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VertSec:1144.78

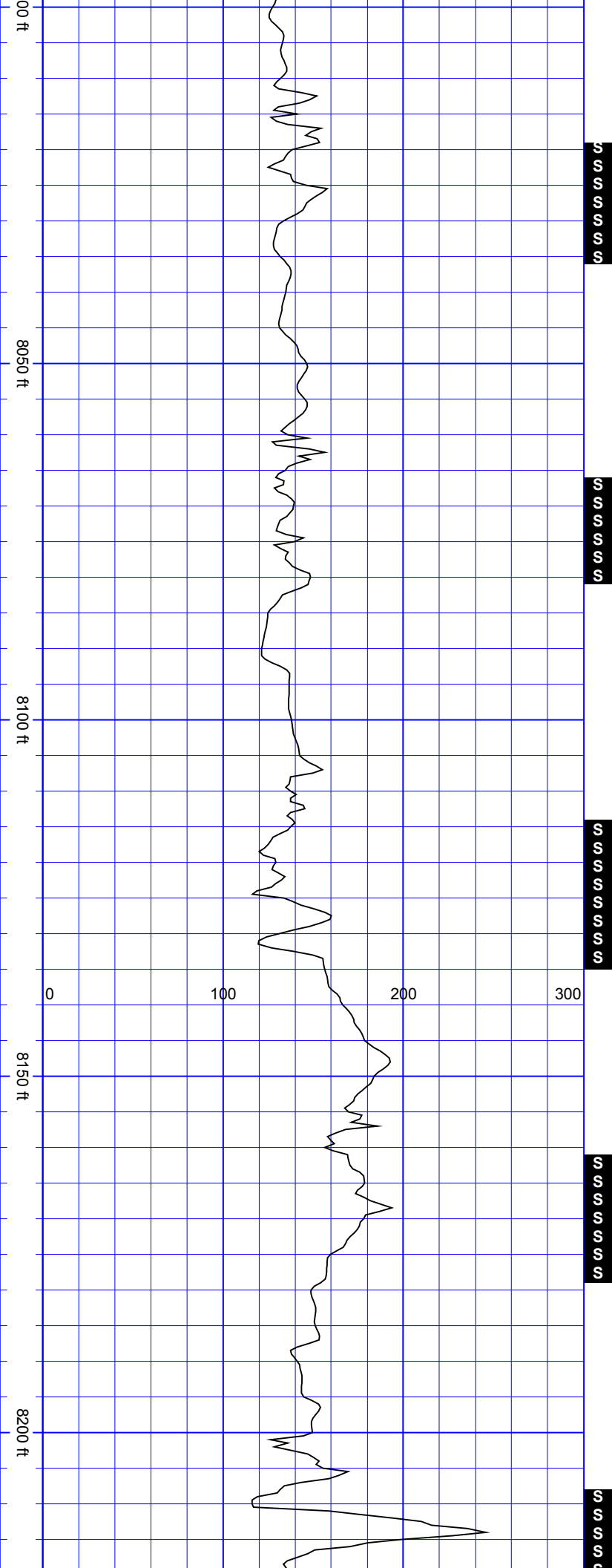
SurveyDepth:7818
TVD:6948.29 Inc:47.07
Azi:315.8
VertSec:1176.83

SurveyDepth:7865
TVD:6979.67 Inc:49.18
Azi:320.9
VertSec:1210.58

SurveyDepth:7912
TVD:7009.61 Inc:51.72
Azi:326.52
VertSec:1246.26

SurveyDepth:7959
TVD:7038.02 Inc:53.92
Azi:330.65
VertSec:1283.55





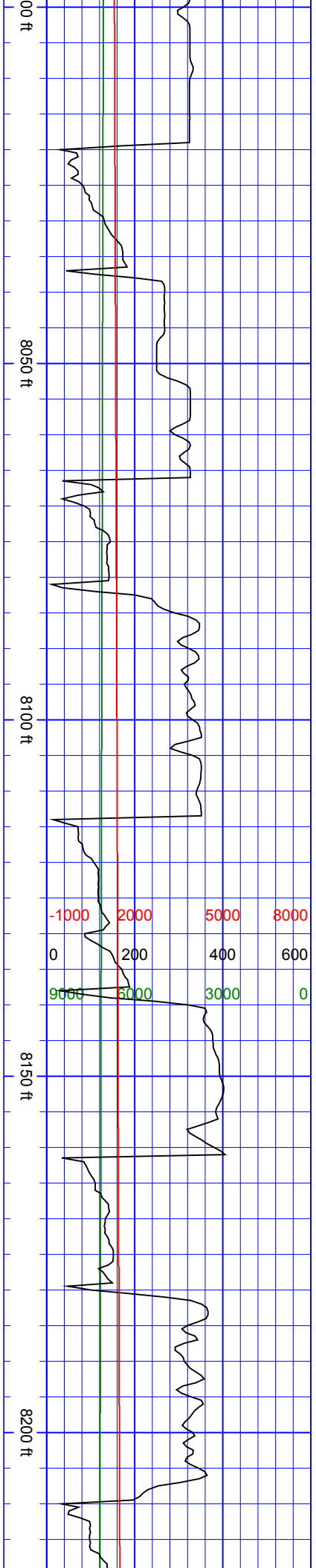
SurveyDepth:8006
TVD:7065.22 Inc:55.37
Azi:334.34
VertSec:1321.86

SurveyDepth:8054
TVD:7092 Inc:56.82
Azi:336.72
VertSec:1361.67

SurveyDepth:8101
TVD:7117.16 Inc:58.45
Azi:339.09
VertSec:1401.25

SurveyDepth:8148
TVD:7141.68 Inc:58.67
Azi:343.75
VertSec:1440.96

SurveyDepth:8195
TVD:7166.39 Inc:57.92
Azi:347.88
VertSec:1480.02



8250 ft

8300 ft

8350 ft

8400 ft

SurveyDepth:8242
TVD:7190.96 Inc:59.06
Azi:348.32
VertSec:1518.81

SurveyDepth:8289
TVD:7214.69 Inc:60.29
Azi:349.9
VertSec:1557.89

SurveyDepth:8337
TVD:7237.8 Inc:62.14
Azi:352.54
VertSec:1597.97

SurveyDepth:8384
TVD:7258.56 Inc:65.44
Azi:354.65
VertSec:1637.58

SurveyDepth:8432
TVD:7276.91 Inc:69.61
Azi:356.93

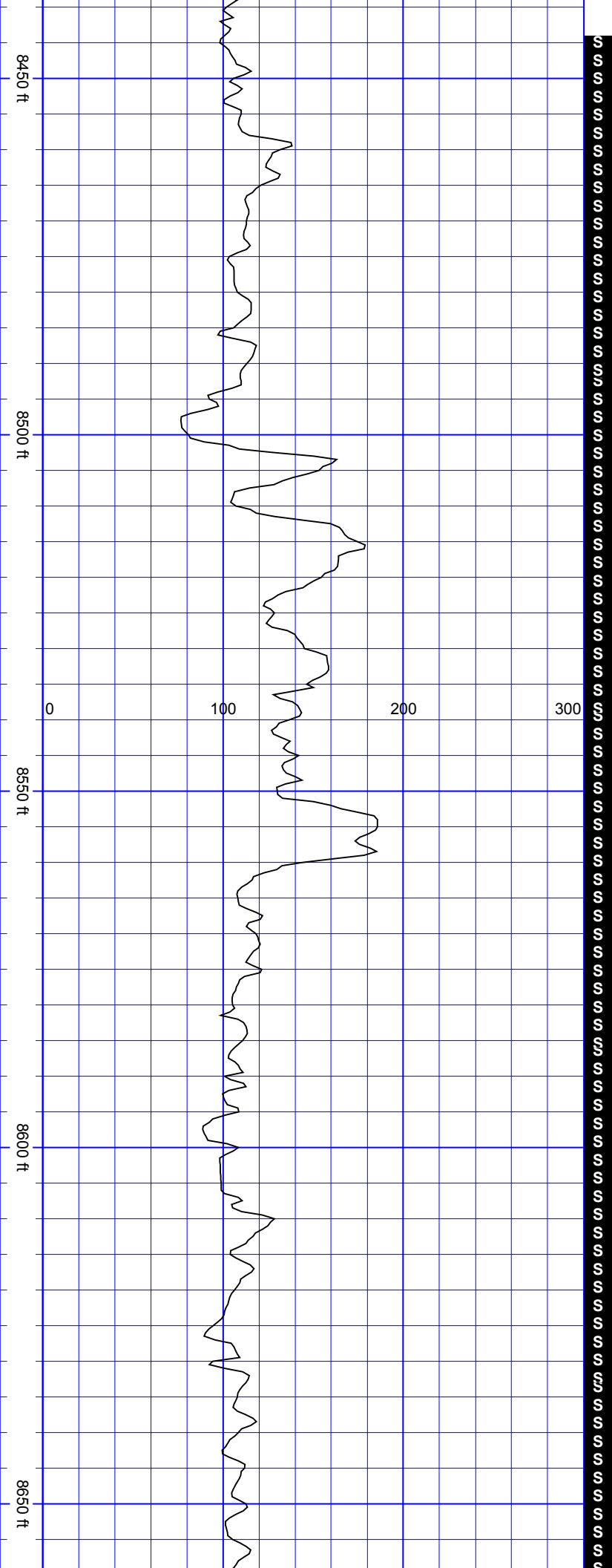
8250 ft

8300 ft

8350 ft

8400 ft

| | | | |
|-------|------|------|------|
| -1000 | 2000 | 5000 | 8000 |
| 0 | 200 | 400 | 600 |
| 9000 | 6000 | 3000 | 0 |



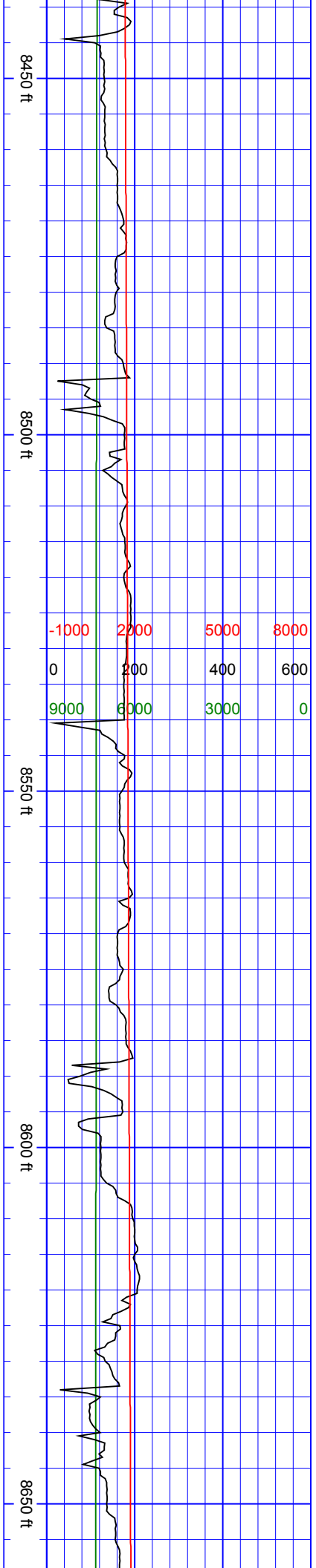
VertSec:1678.62

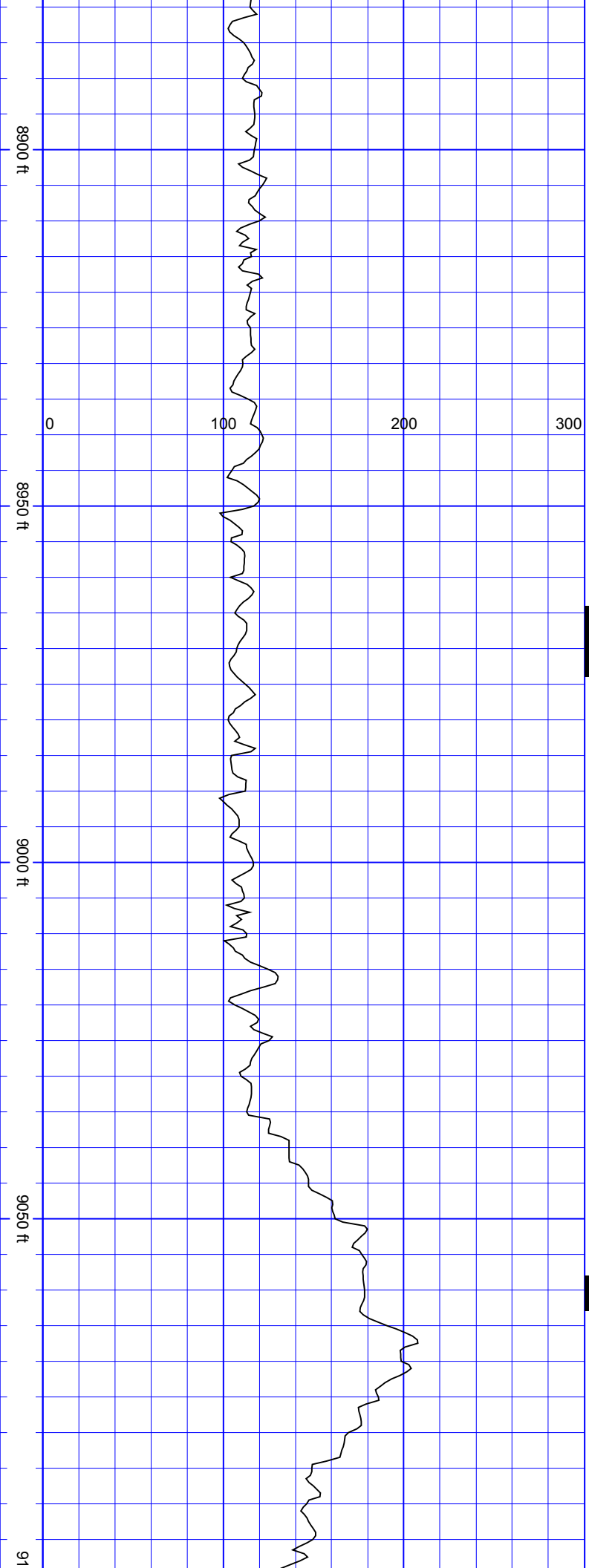
SurveyDepth:8479
TVD:7291.44 Inc:74.36
Azi:359.75
VertSec:1719.18

SurveyDepth:8526
TVD:7302.46 Inc:78.53
Azi:1.68
VertSec:1759.83

SurveyDepth:8573
TVD:7310.44 Inc:81.91
Azi:3.61 VertSec:1800.3

SurveyDepth:8621
TVD:7314.89 Inc:87.45
Azi:5.99
VertSec:1841.14





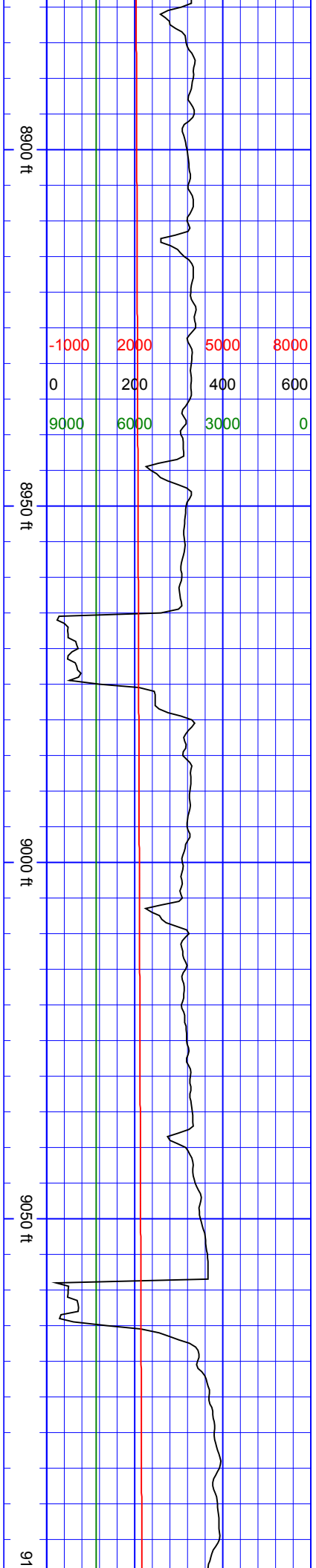
SurveyDepth:8904
TVD:7306.95 Inc:90.97
Azi:4.4 VertSec:2080.33

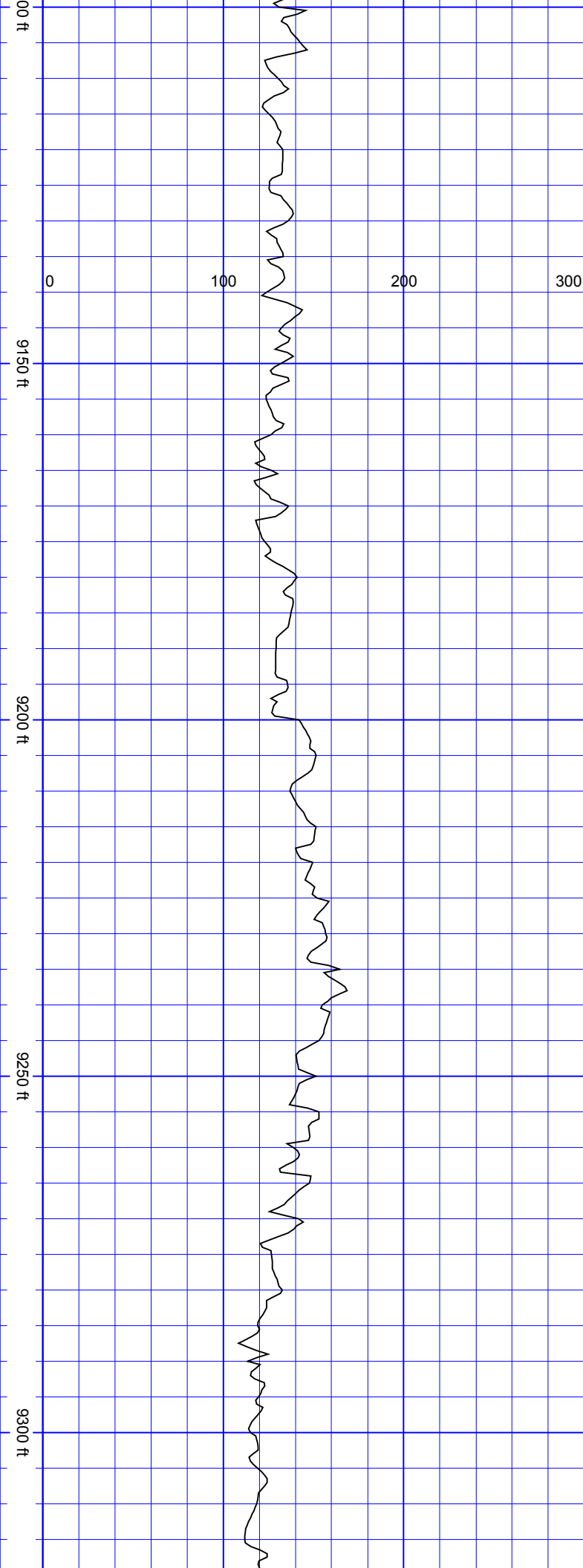
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SurveyDepth:8998
TVD:7306.05 Inc:90.13
Azi:0.71
VertSec:2162.54

S
S

SurveyDepth:9093
TVD:7304.89 Inc:91.27
Azi:4.00 VertSec:2244.66

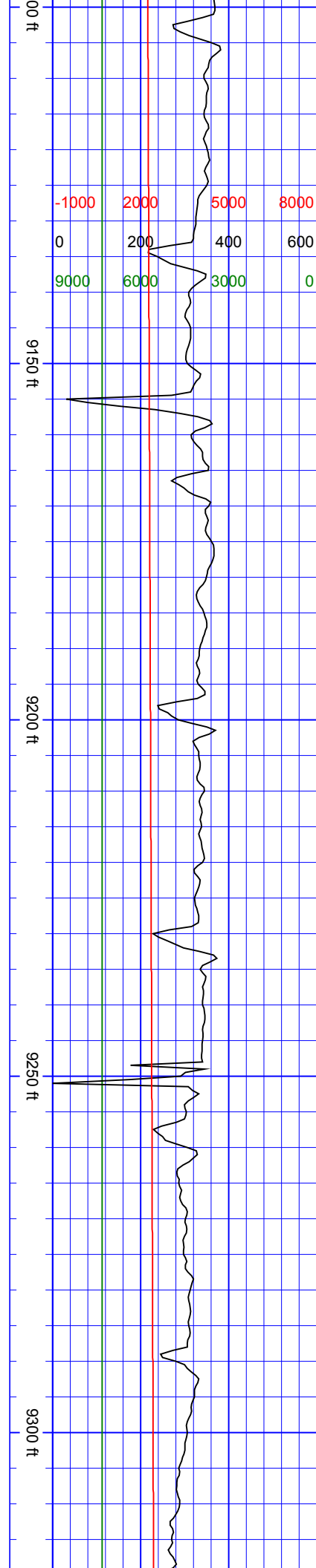


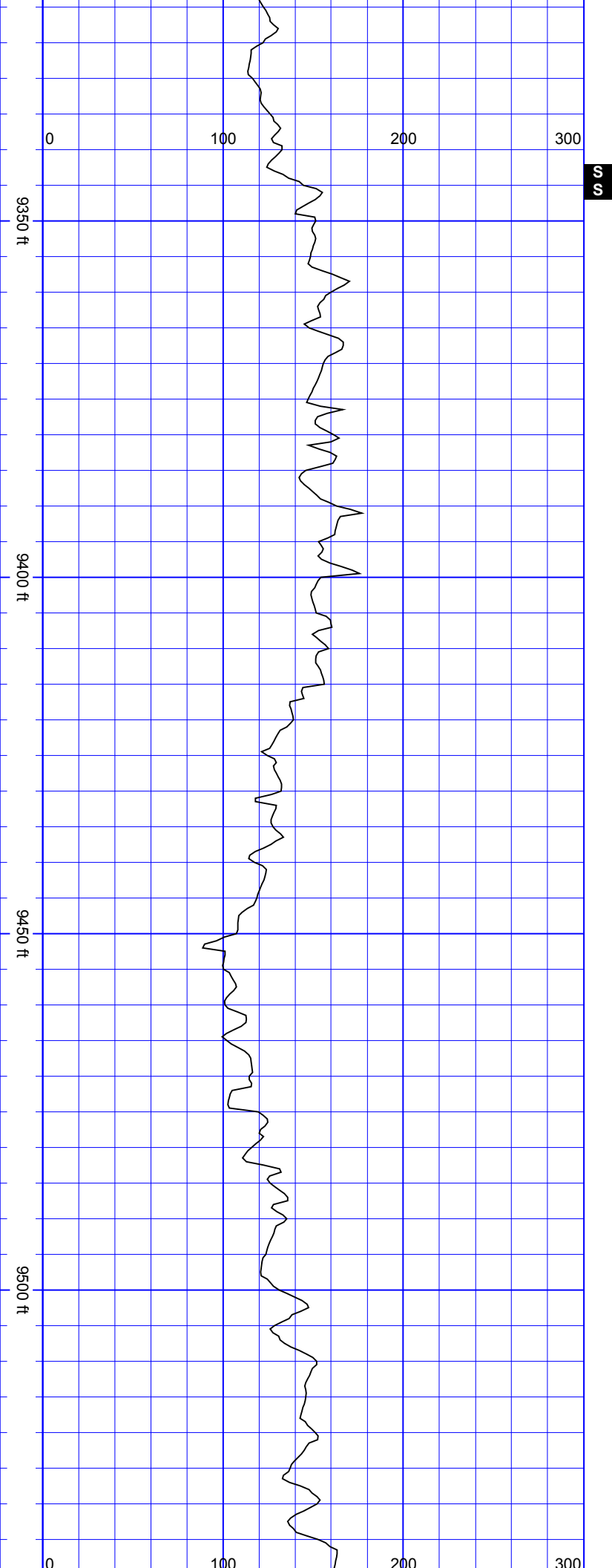


Azi:1.06
VertSec:2246.94

SurveyDepth:9187
TVD:7302.81 Inc:91.27
Azi:1.24
VertSec:2330.24

SurveyDepth:9282
TVD:7300.92 Inc:91.01
Azi:0.71
VertSec:2414.56

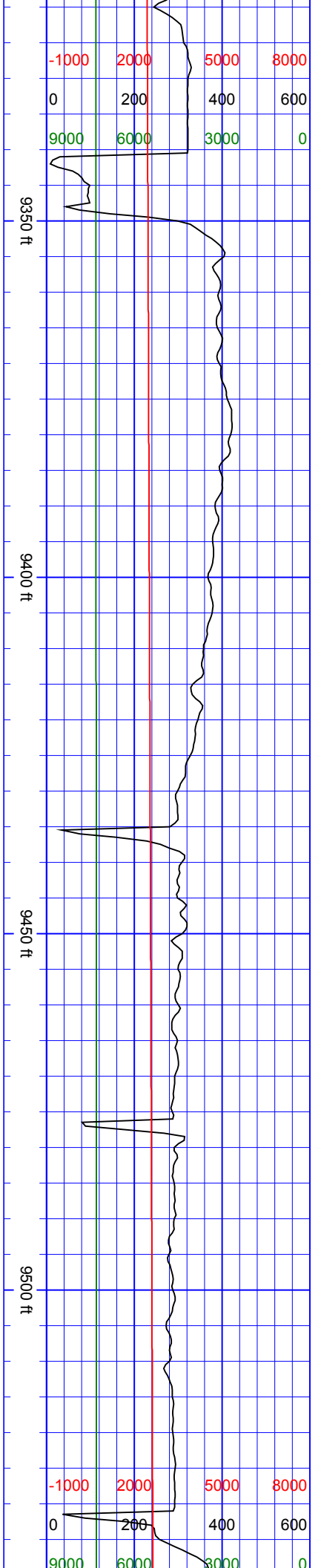


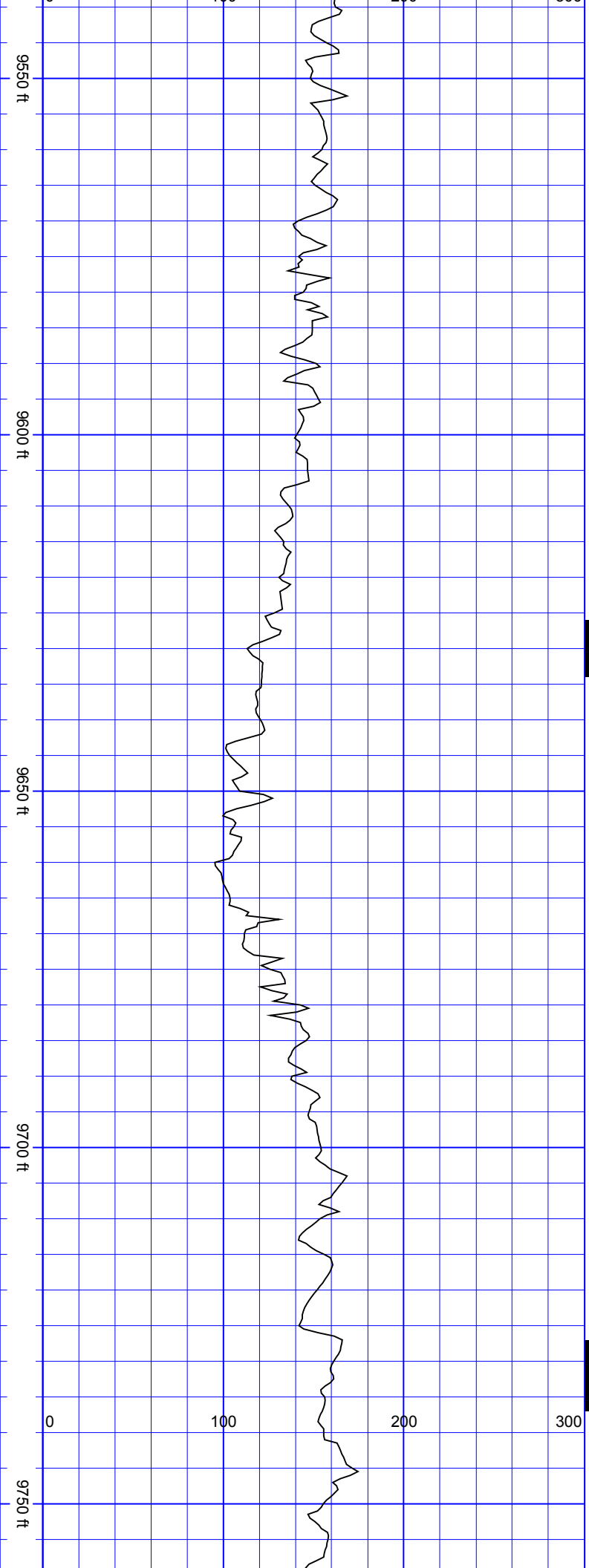


SS

SurveyDepth:9376
TVD:7298.5 Inc:91.93
Azi:0.62
VertSec:2498.22

SurveyDepth:9471
TVD:7295.55 Inc:91.63
Azi:359.75
VertSec:2583.11

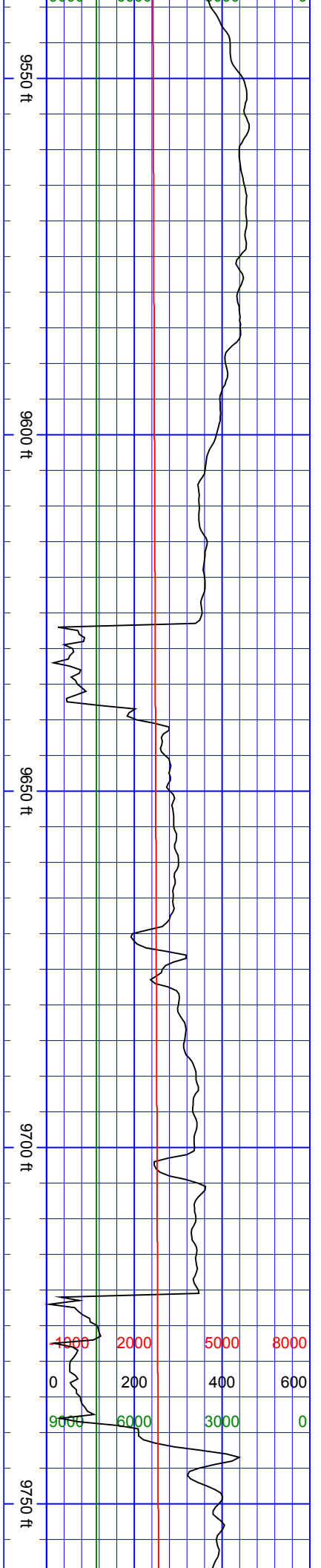




SurveyDepth:9566
TVD:7293.32 Inc:91.06
Azi:2.65
VertSec:2667.24

SurveyDepth:9660
TVD:7292.17 Inc:90.35
Azi:4.4 VertSec:2748.67

SurveyDepth:9755
TVD:7292.86 Inc:88.81



TVD:7292.86 Inc:88.61
Azi:3 VertSec:2830.83

9800 ft

9850 ft

9900 ft

9950 ft

0 100 200 300

S
S
S

S
S
S

SurveyDepth:9849
TVD:7294.46 Inc:89.25
Azi:0.18
VertSec:2913.79

SurveyDepth:9943
TVD:7294.78 Inc:90.35
Azi:359.57
VertSec:2998.06

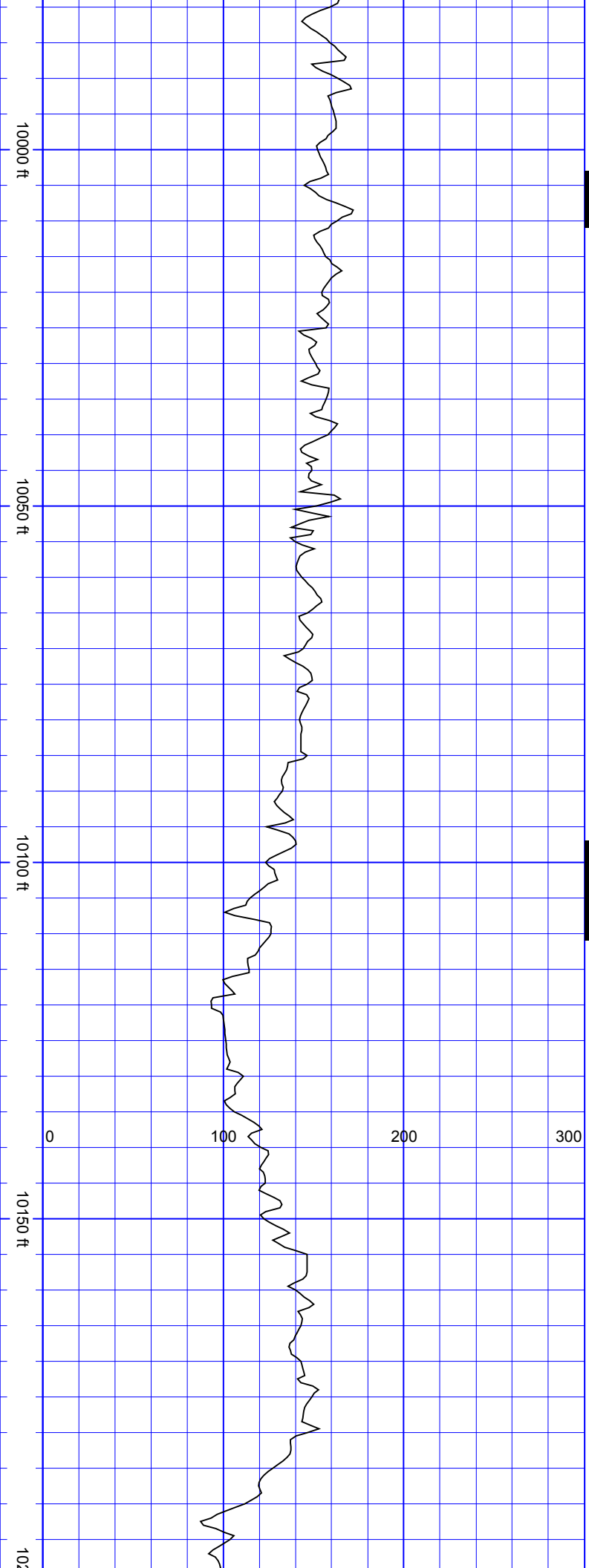
9800 ft

9850 ft

9900 ft

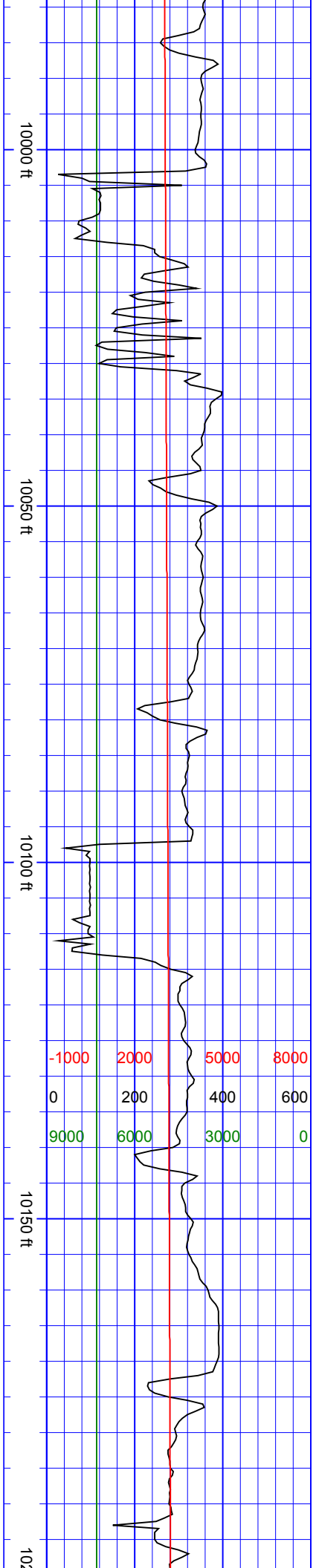
9950 ft

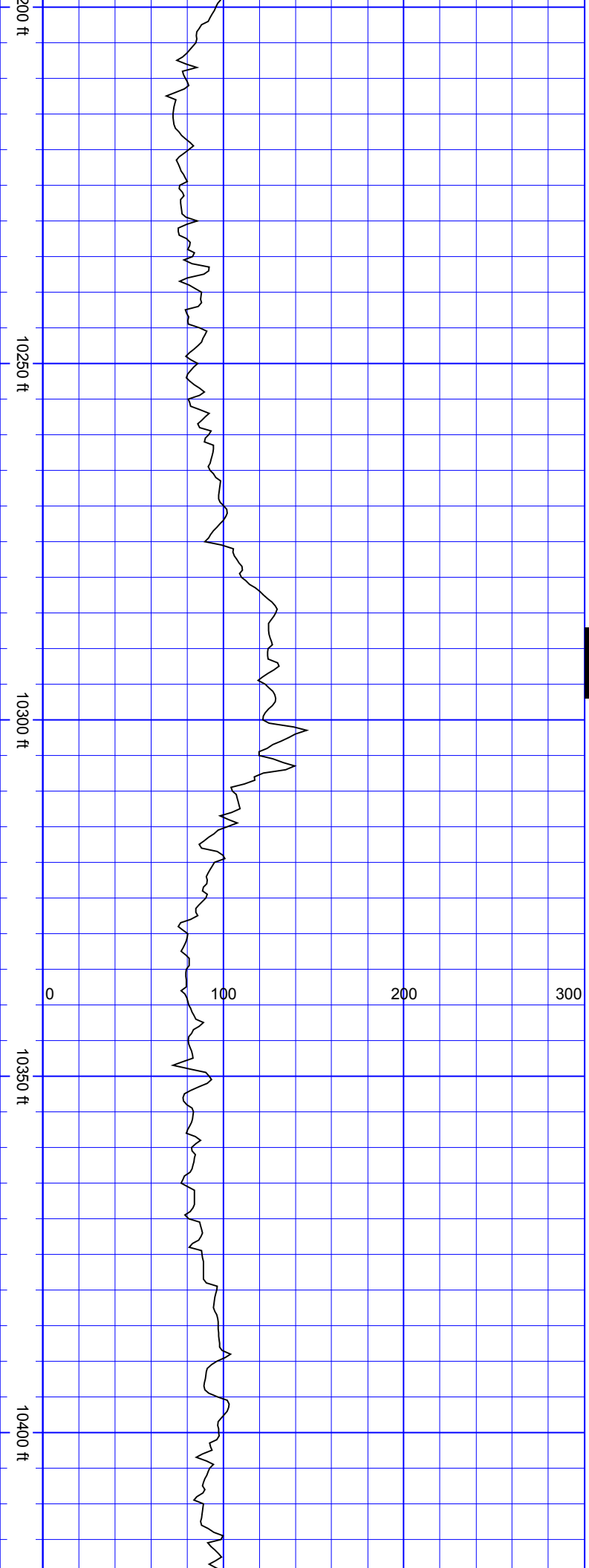
| | | | |
|-------|------|------|------|
| -1000 | 2000 | 5000 | 8000 |
| 0 | 200 | 400 | 600 |
| 9000 | 6000 | 3000 | 0 |



SurveyDepth:10037
TVD:7294.14 Inc:90.44
Azi:359.13
VertSec:3082.7

SurveyDepth:10131
TVD:7291.86 Inc:92.33
Azi:359.13
VertSec:3167.47



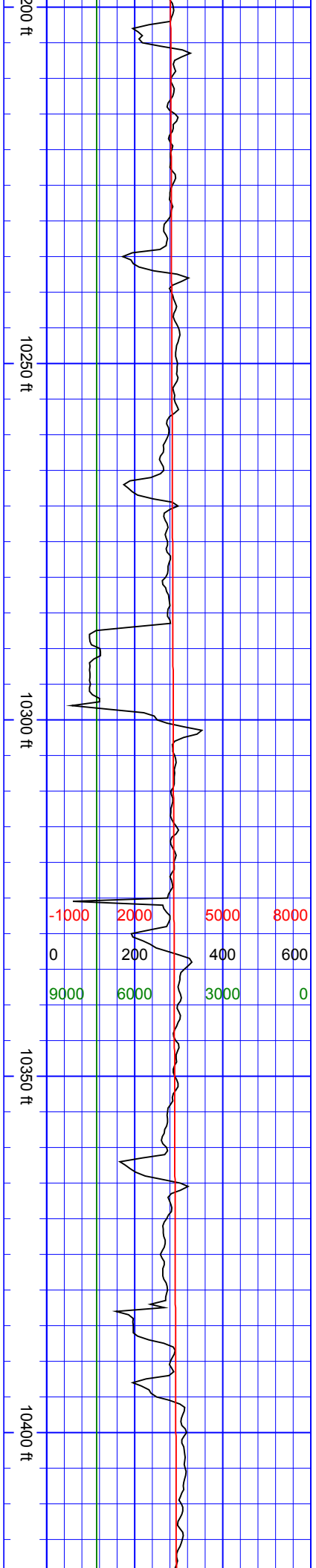


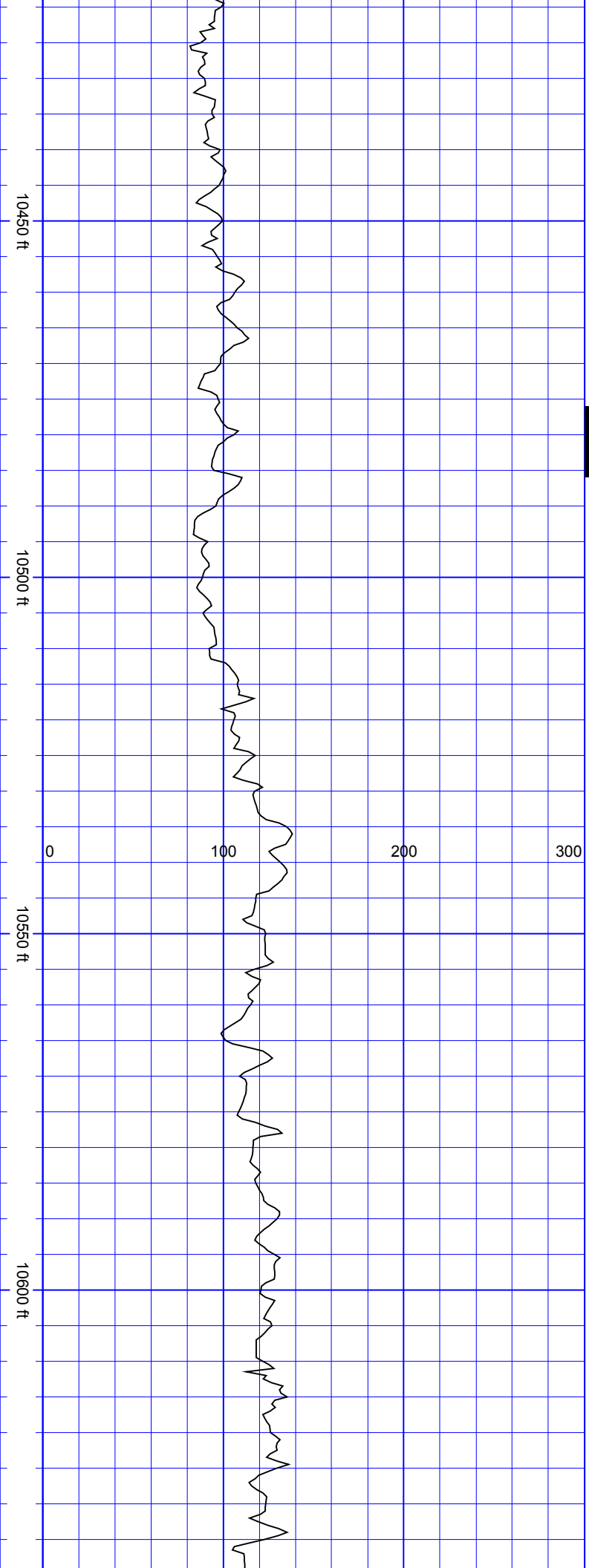
SSSS

SurveyDepth:10227
TVD:7288.4 Inc:91.8
Azi:358.51
VertSec:3254.24

SurveyDepth:10321
TVD:7285.05 Inc:92.29
Azi:359.13
VertSec:3339.21

SurveyDepth:10416



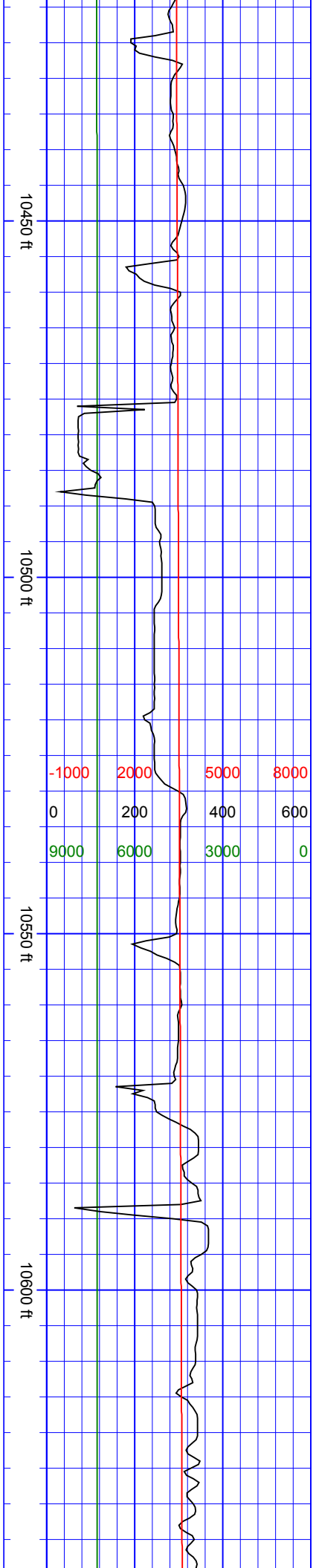


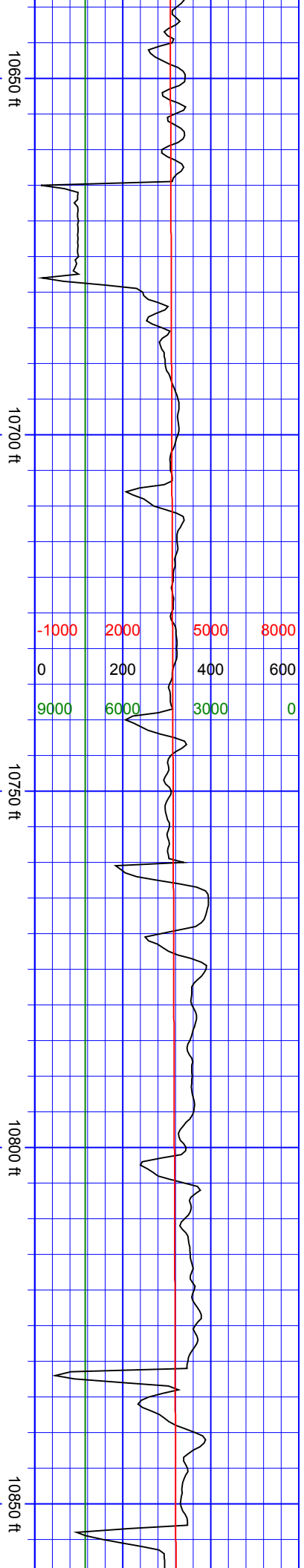
S
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S
S

TVD:7281.84 Inc:91.58
Azi:359.04
VertSec:3424.89

SurveyDepth:10510
TVD:7278.53 Inc:92.46
Azi:0.1 VertSec:3509.32

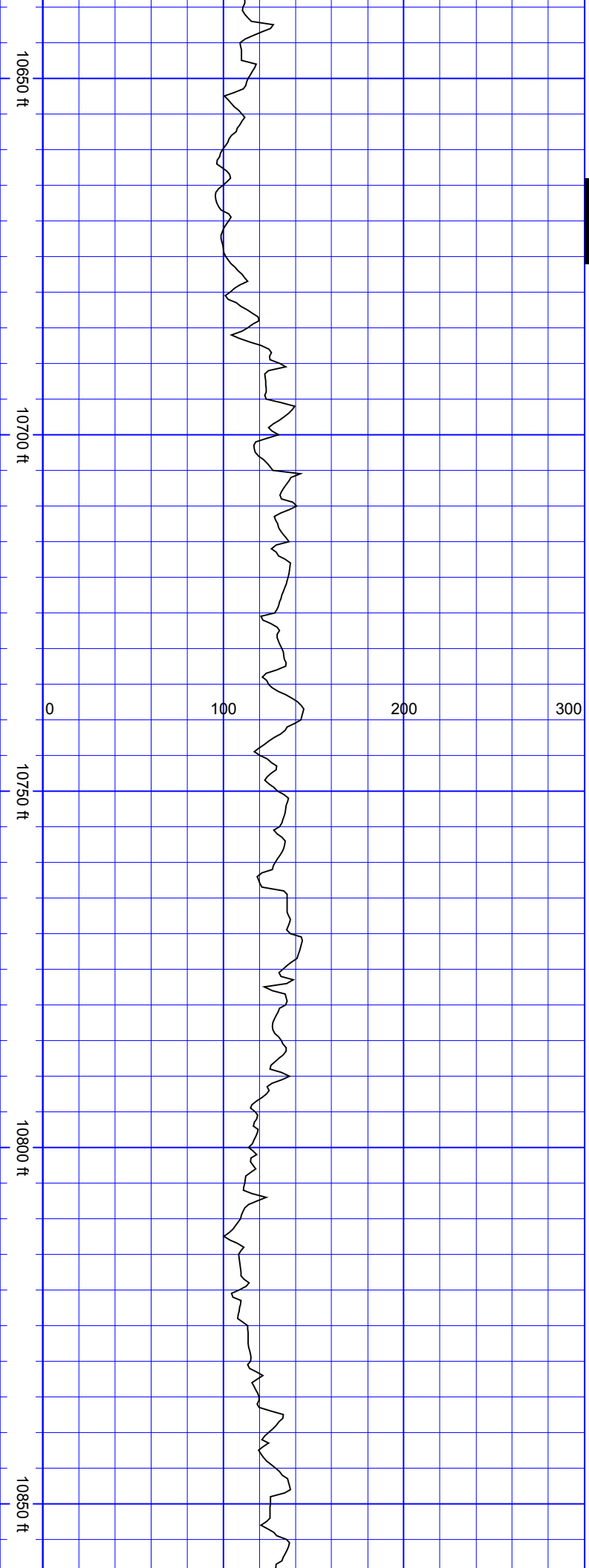
SurveyDepth:10604
TVD:7275.17 Inc:91.63
Azi:359.66
VertSec:3593.53





SurveyDepth:10699
TVD:7272.47 Inc:91.63
Azi:1.59 VertSec:3678.1

SurveyDepth:10793
TVD:7269.84 Inc:91.58
Azi:1.68
VertSec:3761.01



10900 ft

10950 ft

11000 ft

11050 ft

0 100 200 300

SurveyDepth:10887
TVD:7267.43 Inc:91.36
Azi:0.8 VertSec:3844.23

S
S
S
S
S

SurveyDepth:10982
TVD:7265.5 Inc:90.97
Azi:1.77
VertSec:3928.32

SurveyDepth:11076

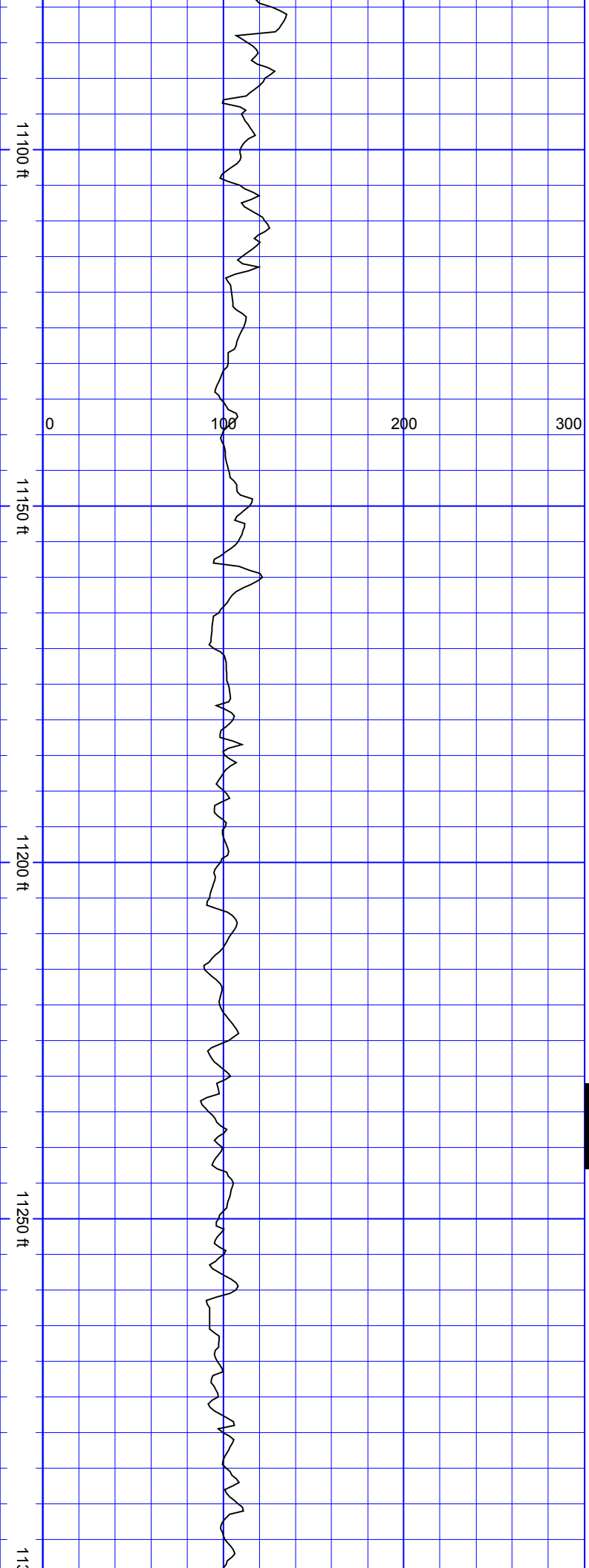
10900 ft

10950 ft

11000 ft

11050 ft

| | | | |
|-------|------|------|------|
| -1000 | 2000 | 5000 | 8000 |
| 0 | 200 | 400 | 600 |
| 9000 | 6000 | 3000 | 0 |

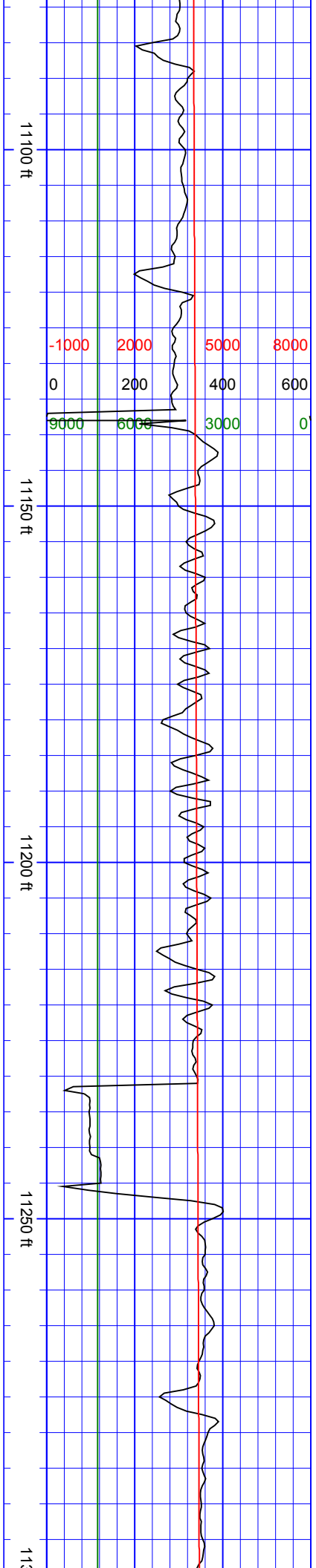


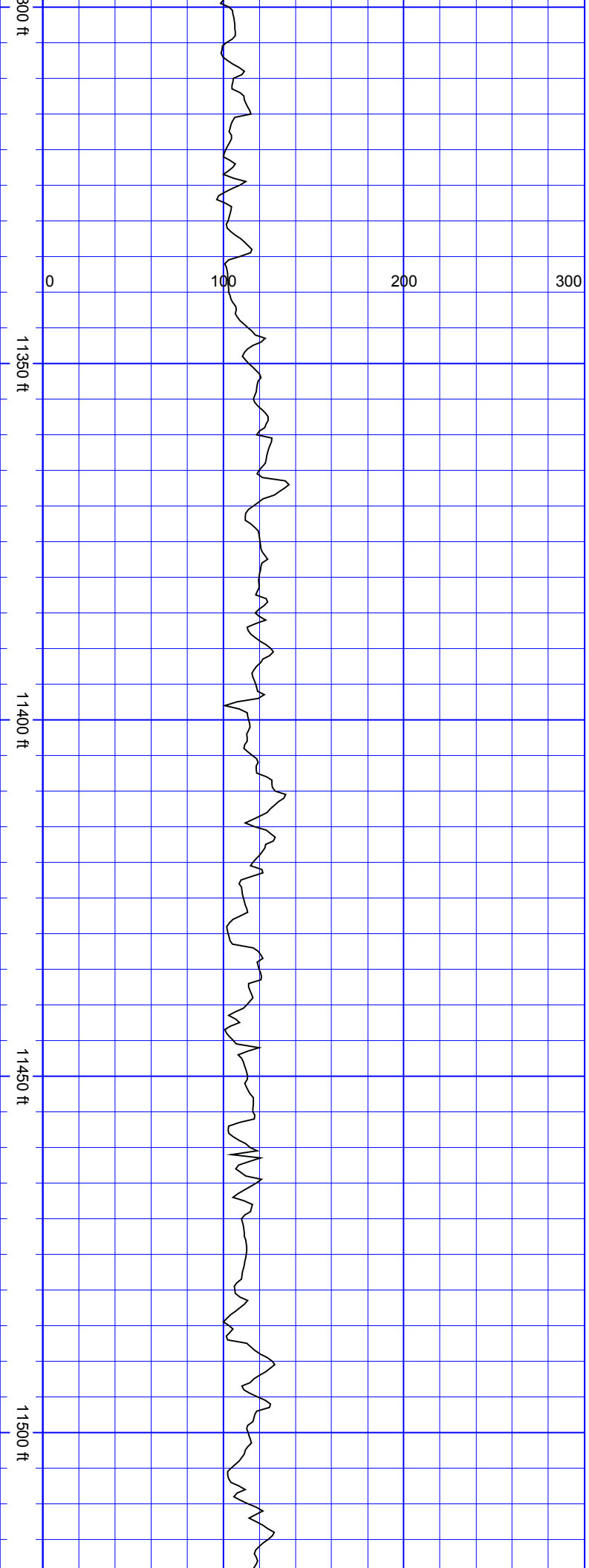
TVD:7264.23 Inc:90.57
Azi:1.42
VertSec:4011.29

SurveyDepth:11171
TVD:7263.43 Inc:90.4
Azi:0.71
VertSec:4095.55

S
S
S
S

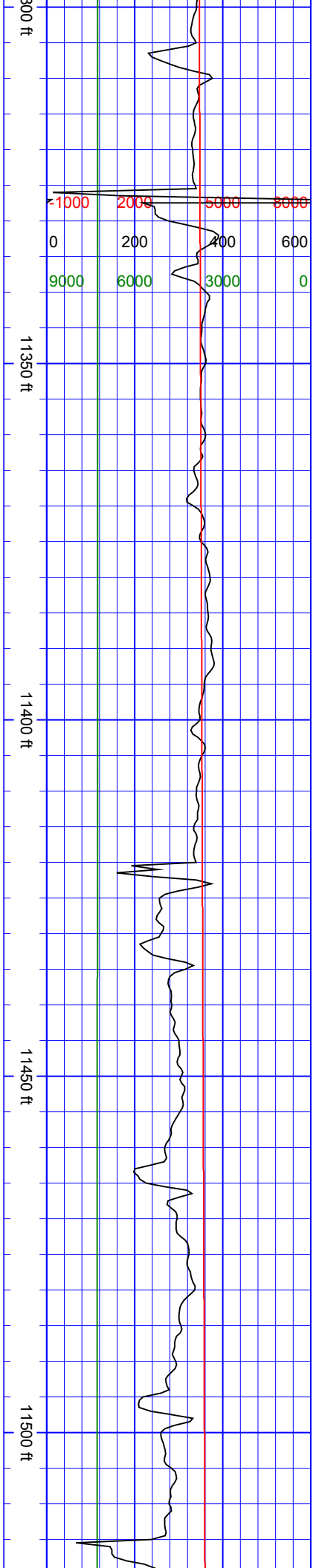
SurveyDepth:11265
TVD:7263.28 Inc:89.78
Azi:3.17
VertSec:4178.26

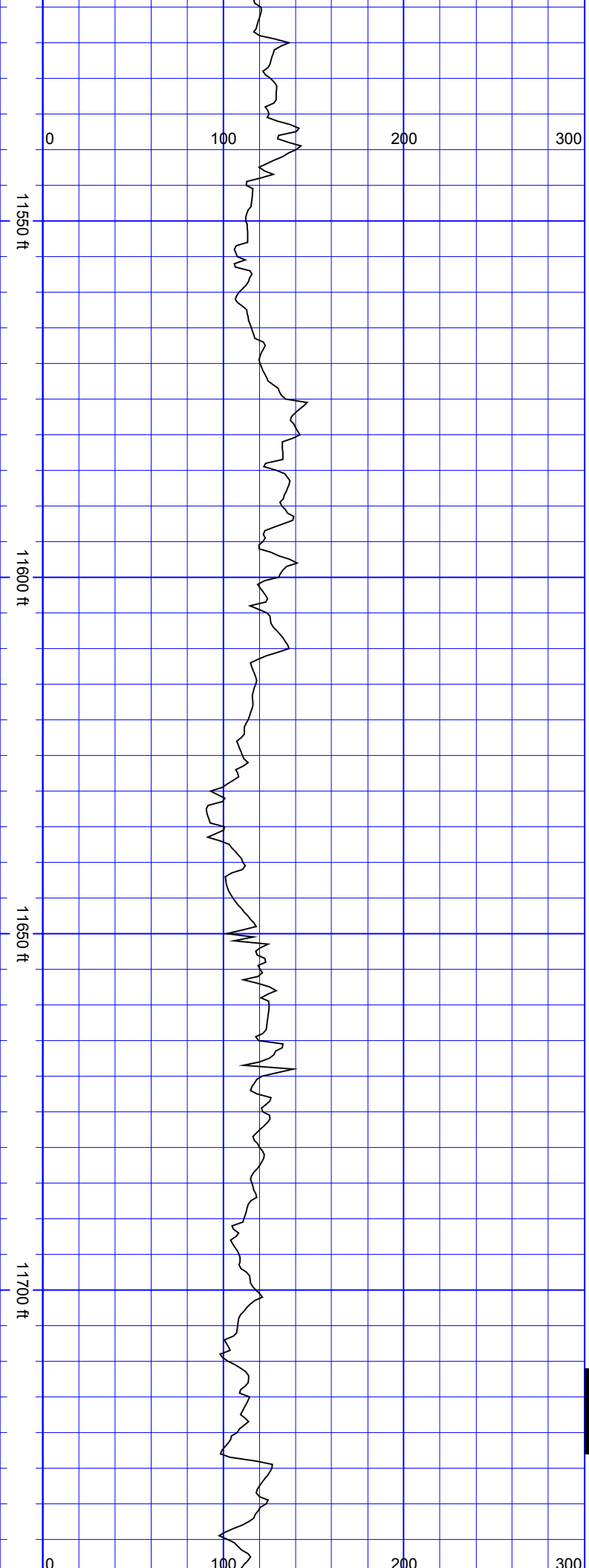




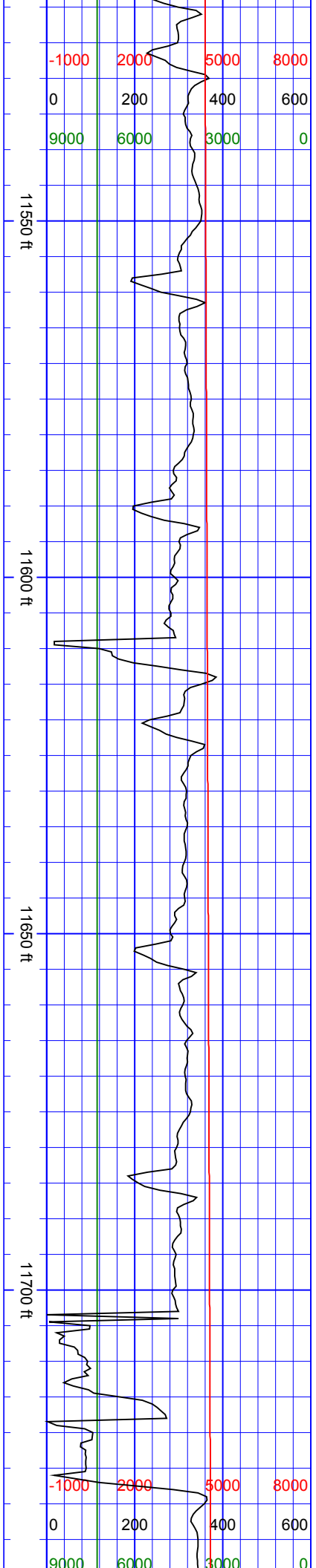
SurveyDepth:11360
TVD:7263.94 Inc:89.43
Azi:2.47
VertSec:4261.14

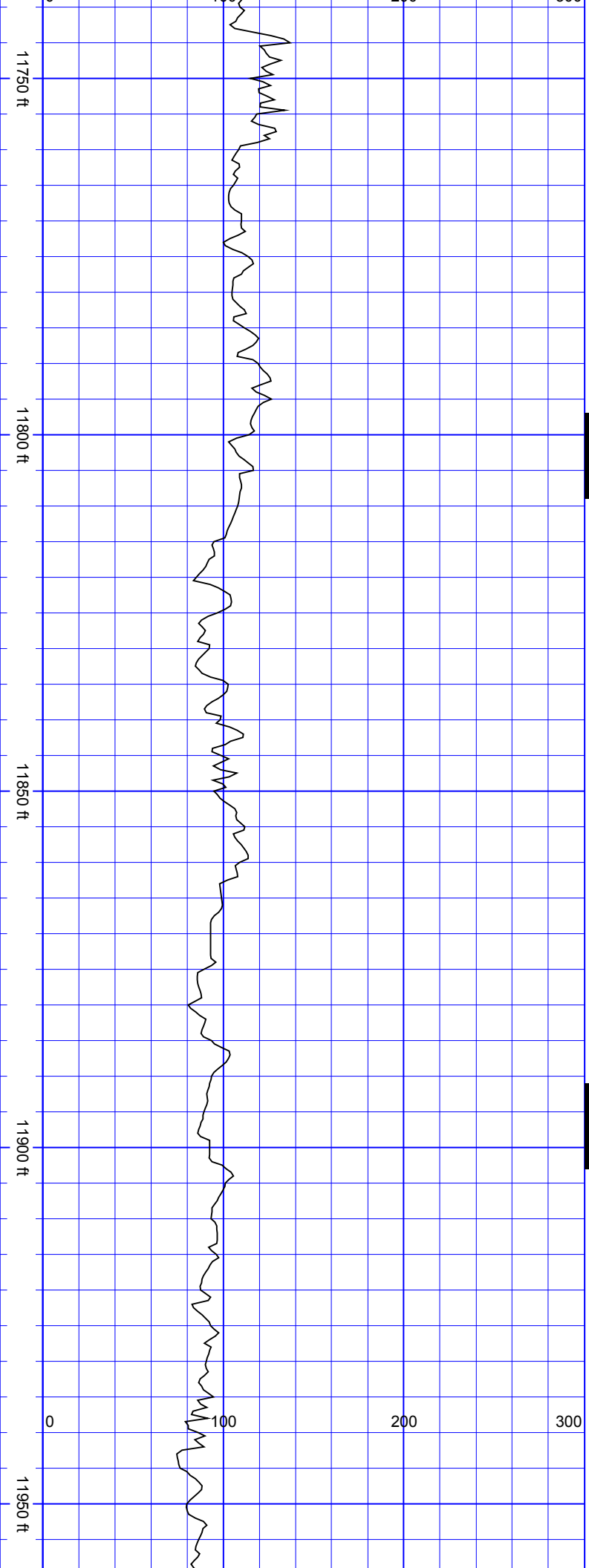
SurveyDepth:11454
TVD:7265.08 Inc:89.17
Azi:2.47
VertSec:4343.43





| | | |
|--|---|-------------------|
| SurveyDepth:11548 TVD:7267.1 Inc:88.37 Azi:1.68 VertSec:4426.01 | SurveyDepth:11643 TVD:7270.16 Inc:87.94 Azi:1.59 VertSec:4509.8 | SurveyDepth:11737 |
|--|---|-------------------|





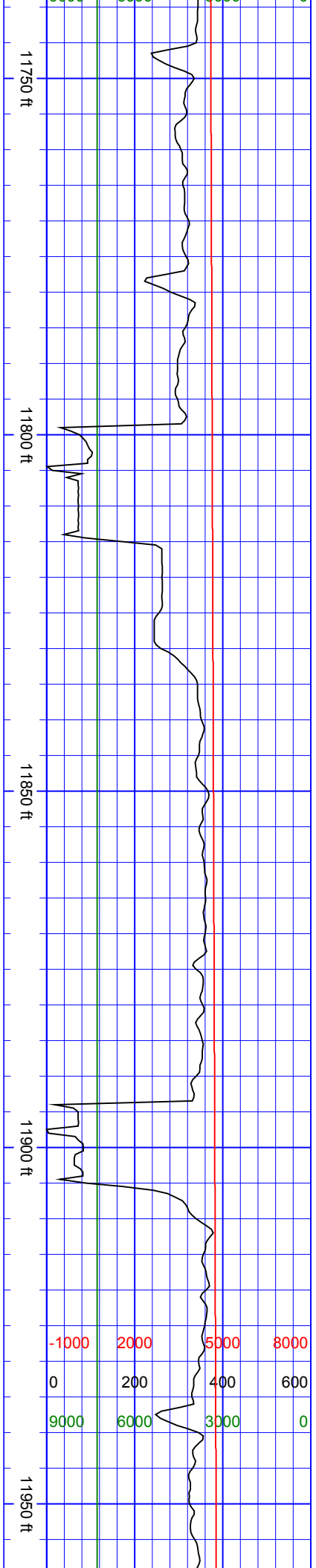
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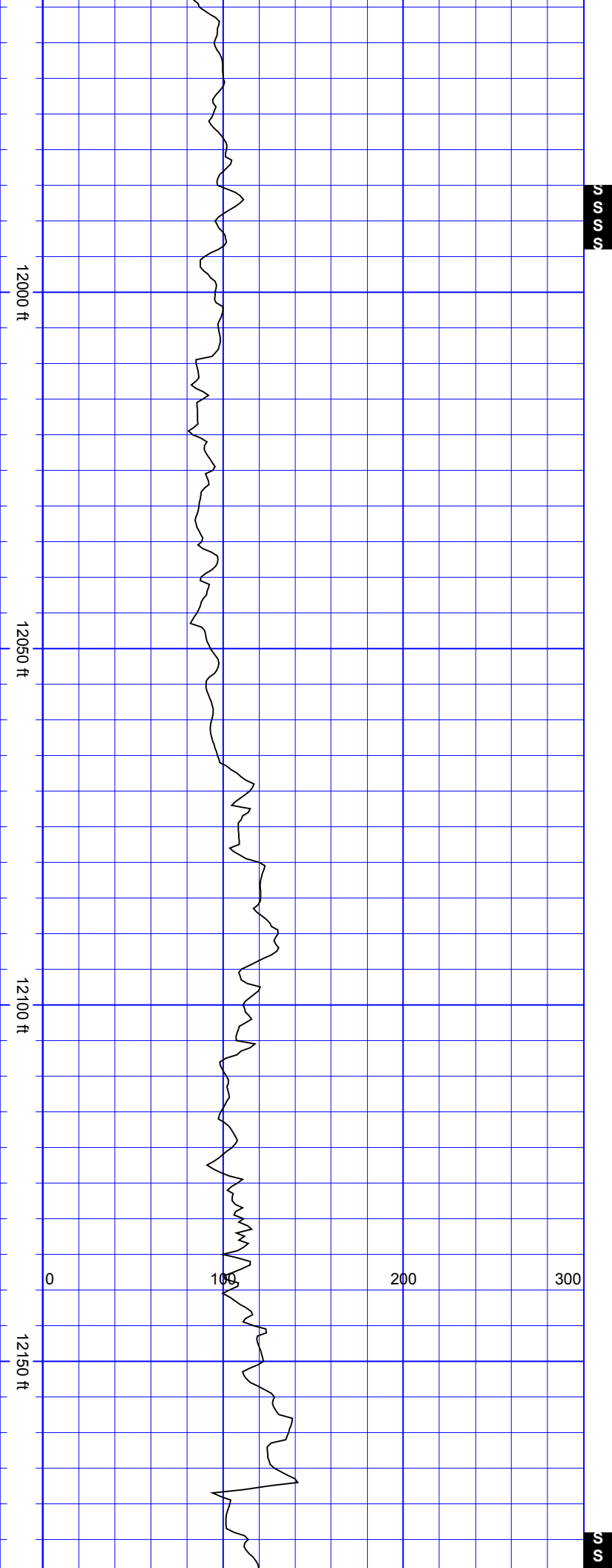
S
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TVD:7272.83 Inc:88.81
Azi:1.68
VertSec:4592.71

SurveyDepth:11831
TVD:7274.3 Inc:89.39
Azi:2.73 VertSec:4675.2

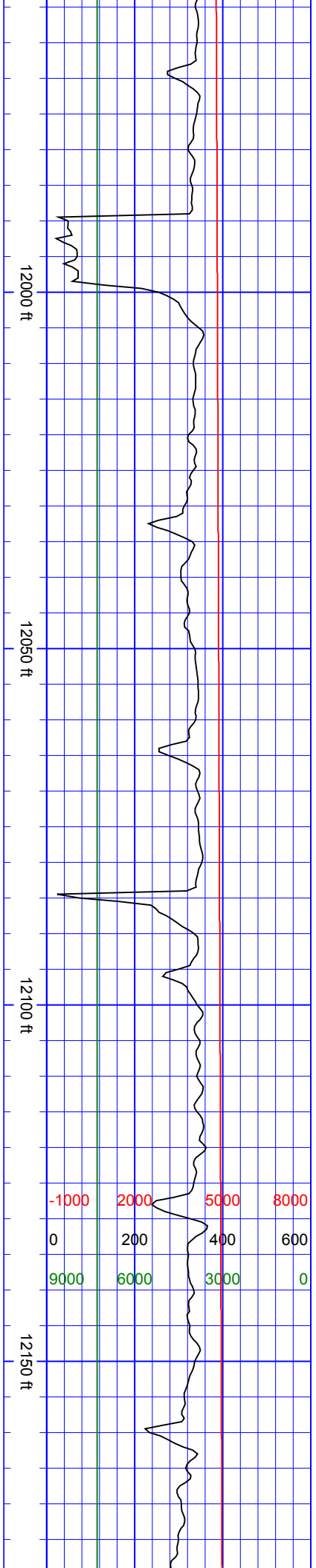
SurveyDepth:11925
TVD:7274.88 Inc:89.91
Azi:1.77
VertSec:4757.67





SurveyDepth:12019
TVD:7274.8 Inc:90.18
Azi:0.54
VertSec:4840.98

SurveyDepth:12114
TVD:7274.73 Inc:89.91
Azi:0.71
VertSec:4925.58



SSS

SurveyDepth:12208
TVD:7274.33 Inc:90.57
Azi:358.95
VertSec:5009.88

SurveyDepth:12302
TVD:7273.47 Inc:90.48
Azi:358.69
VertSec:5094.89

SurveyDepth:12396

12200 ft

12250 ft

12300 ft

12350 ft

12400 ft

0 100 200 300

12200 ft

12250 ft

12300 ft

12350 ft

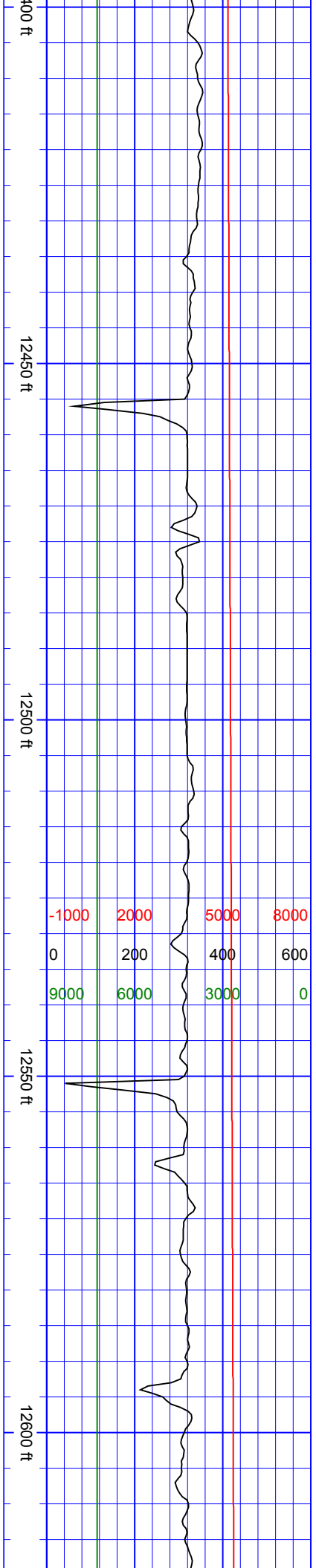
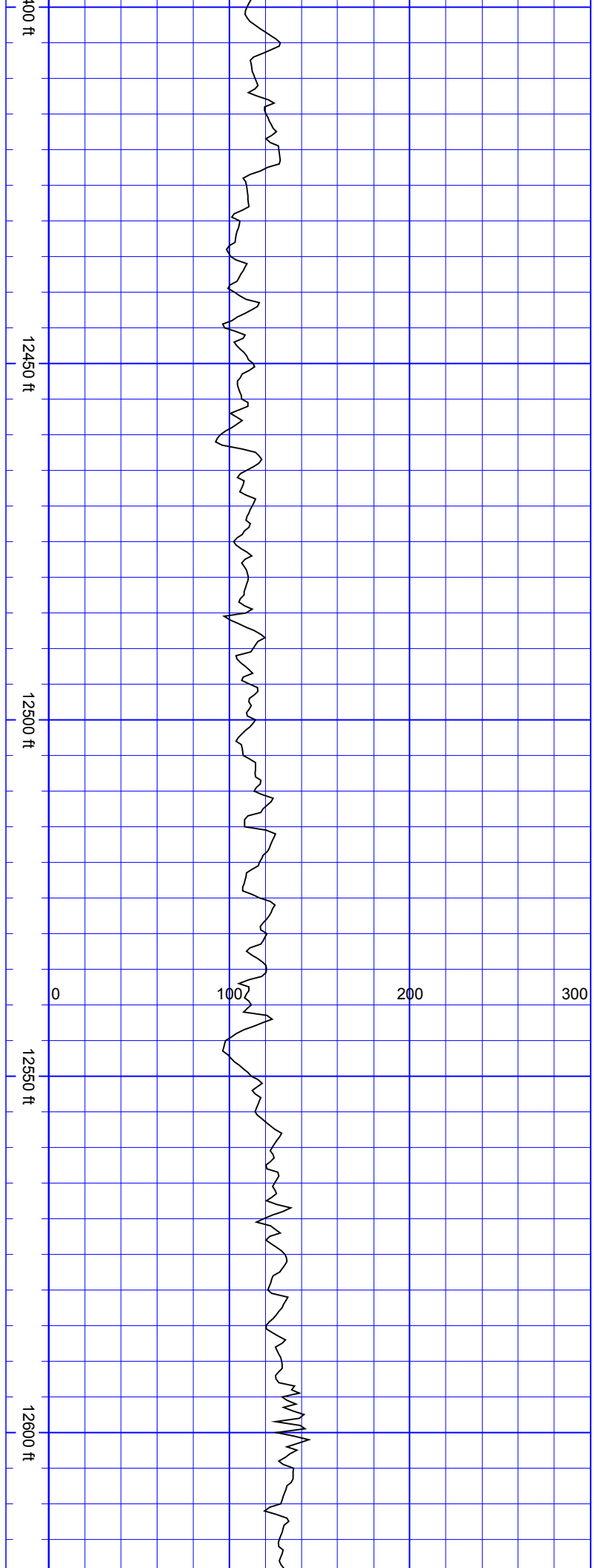
12400 ft

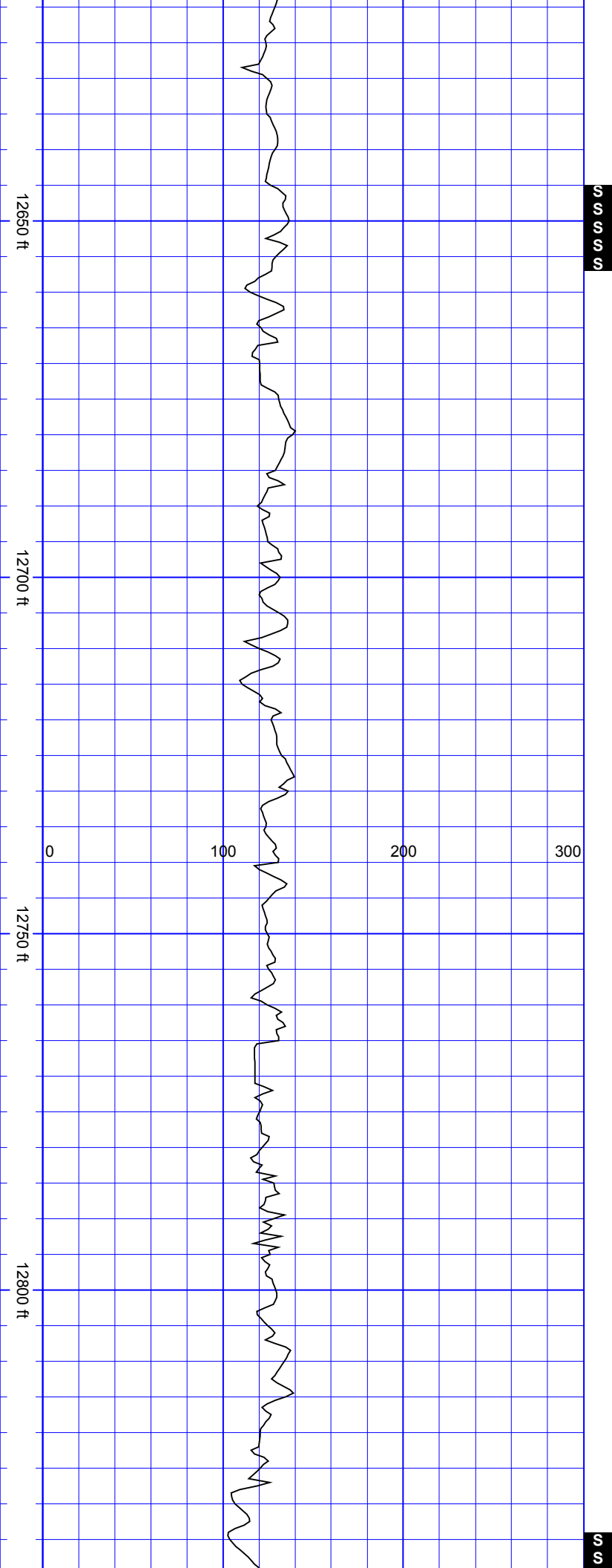
| | | | |
|-------|------|------|------|
| -1000 | 2000 | 5000 | 8000 |
| 0 | 200 | 400 | 600 |
| 9000 | 6000 | 3000 | 0 |

TVD:7272.87 Inc:90.26
Azi:359.04
VertSec:5179.88

SurveyDepth:12490
TVD:7272.58 Inc:90.09
Azi:359.66
VertSec:5264.52

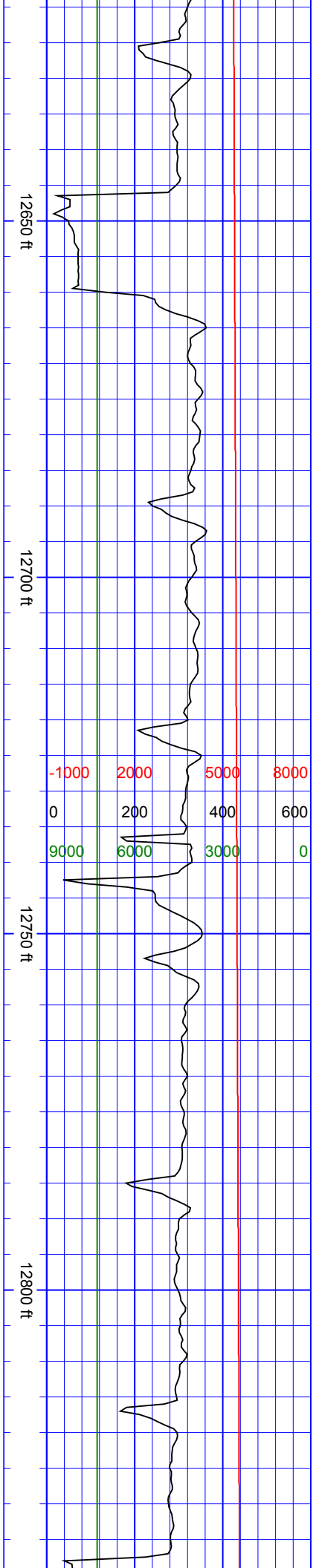
SurveyDepth:12585
TVD:7272.72 Inc:89.74
Azi:358.51
VertSec:5350.25





SurveyDepth:12680
TVD:7272.46 Inc:90.57
Azi:0.18 VertSec:5435.8

SurveyDepth:12774
TVD:7272.21 Inc:89.74
Azi:359.83
VertSec:5519.97

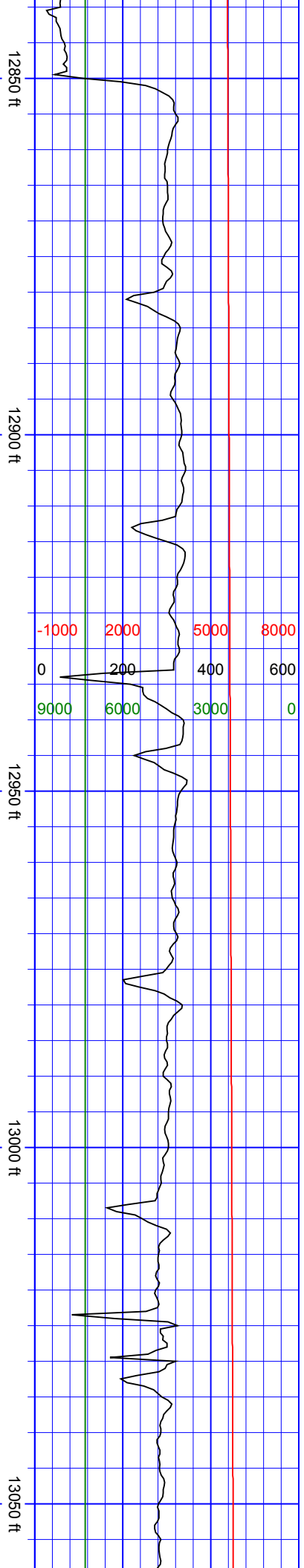
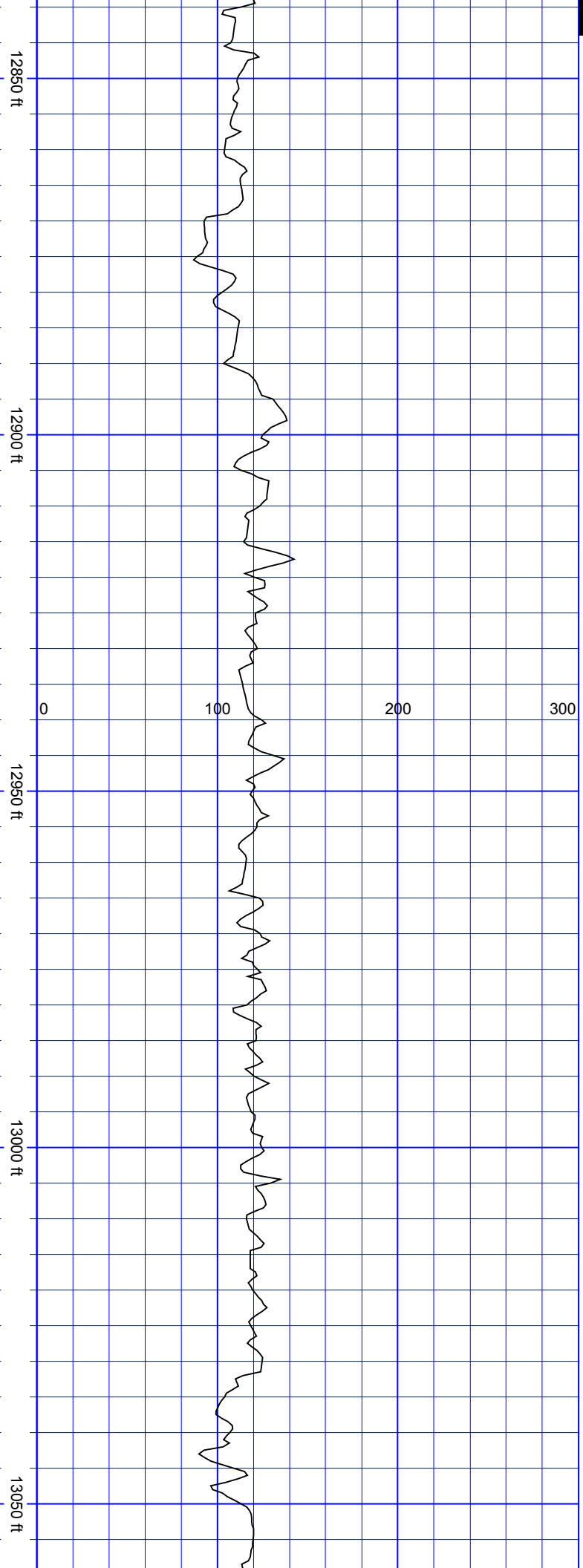


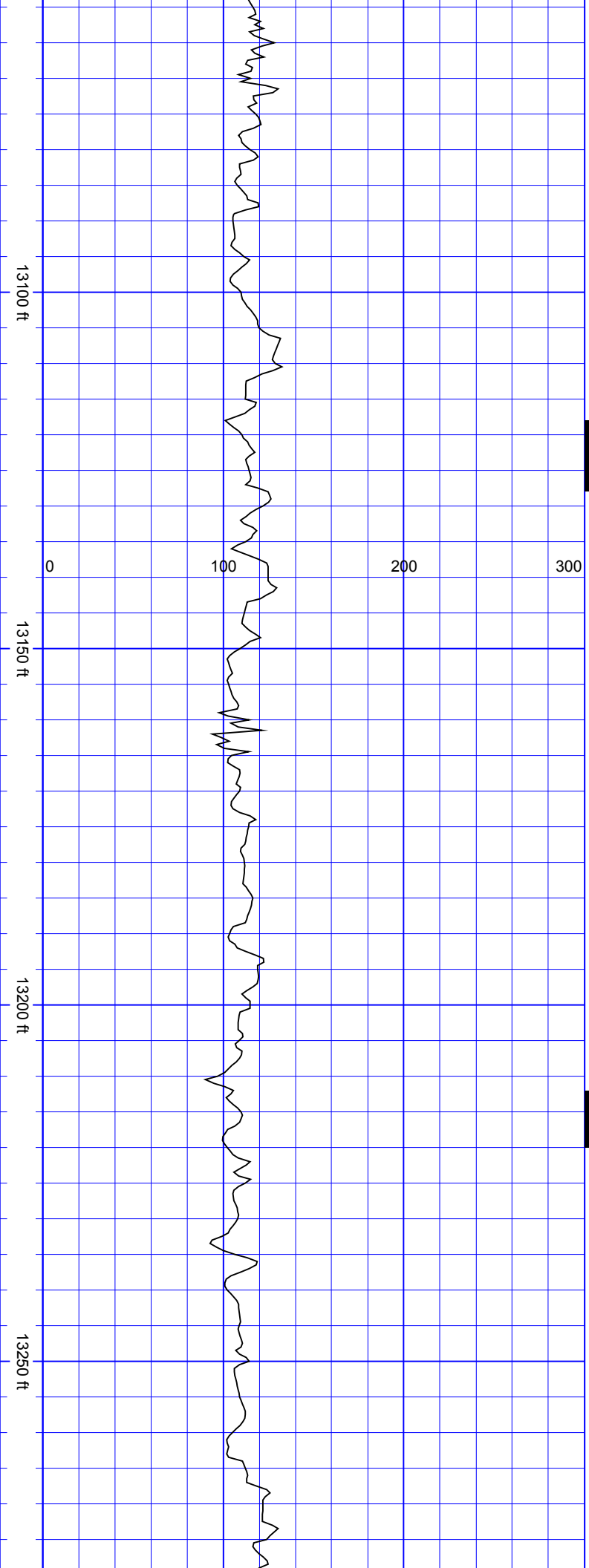
SS

SurveyDepth:12869
TVD:7271.91 Inc:90.62
Azi:1.15
VertSec:5604.67

SurveyDepth:12963
TVD:7271.15 Inc:90.31
Azi:0.71
VertSec:5688.15

SurveyDepth:12859

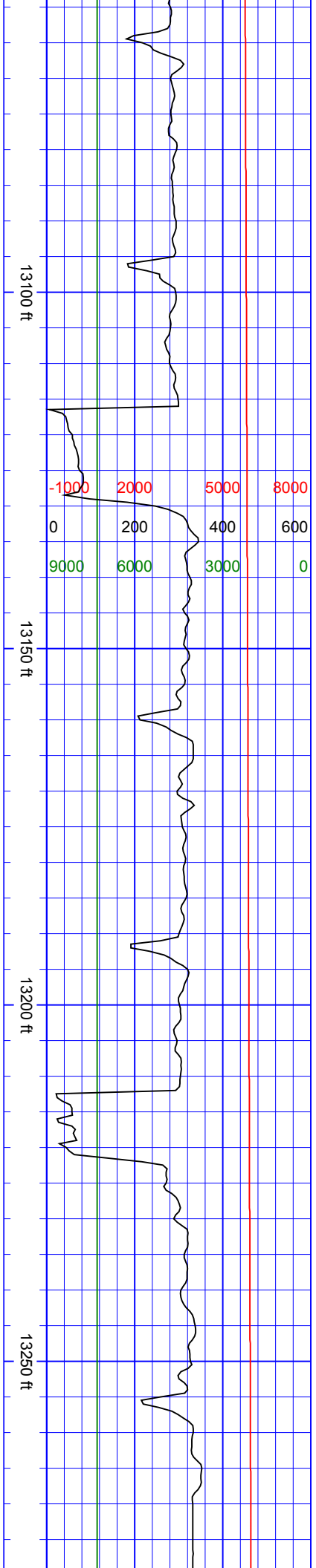


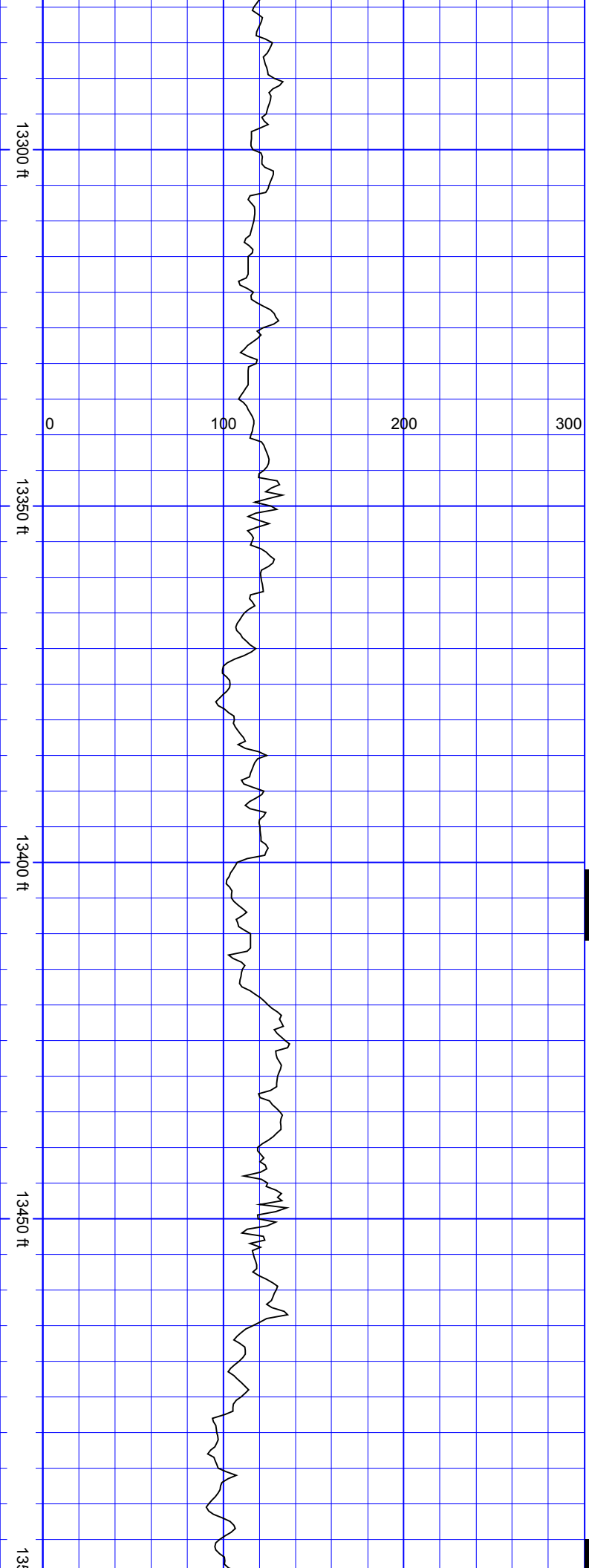


SurveyDepth:13058
TVD:7271.15 Inc:89.69
Azi:0.45
VertSec:5772.79

SurveyDepth:13152
TVD:7271.04 Inc:90.44
Azi:0.98
VertSec:5856.44

SurveyDepth:13247
TVD:7269.62 Inc:91.27
Azi:1.94
VertSec:5940.39



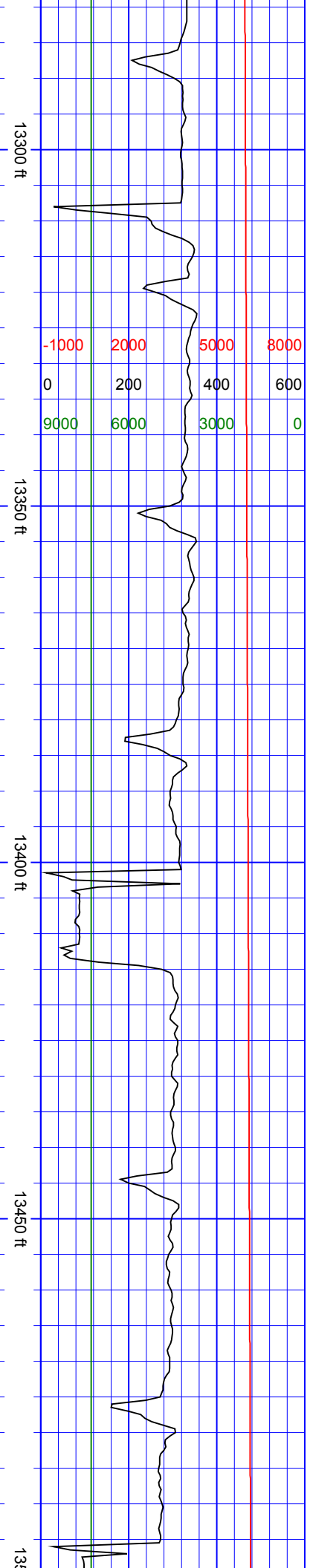


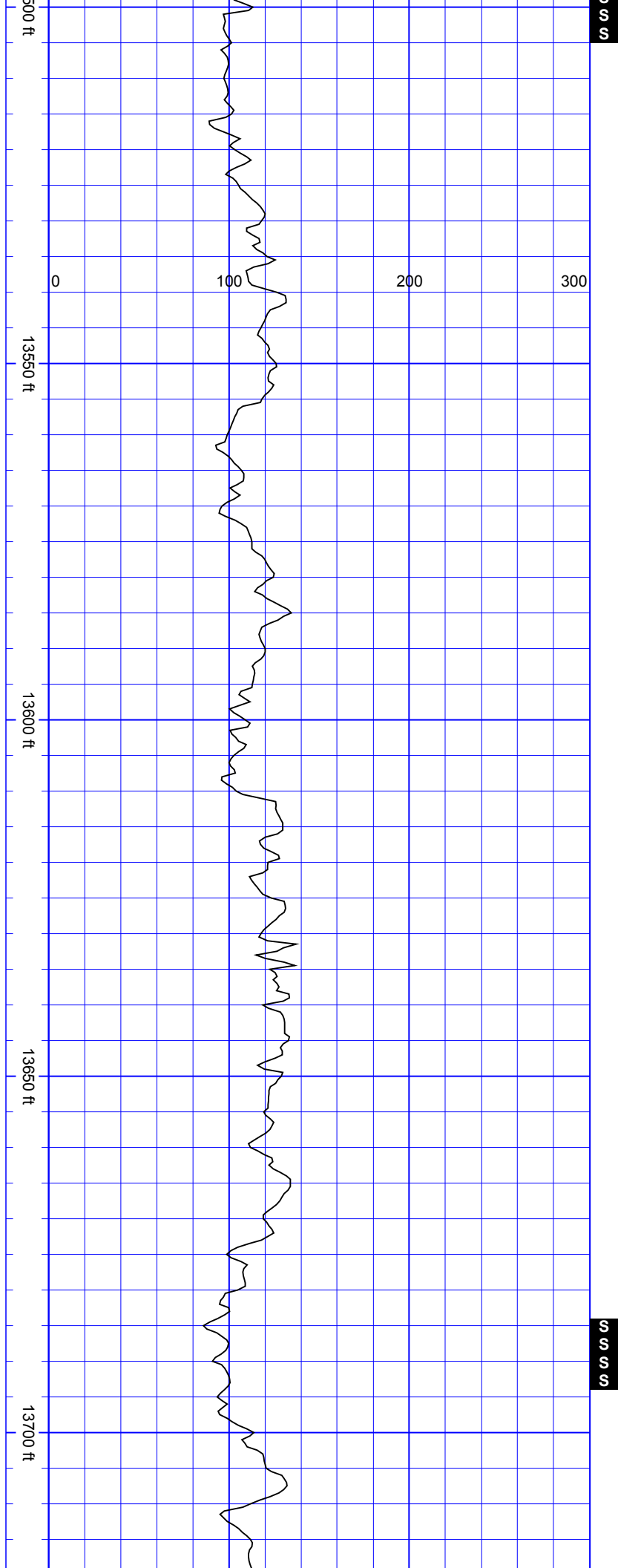
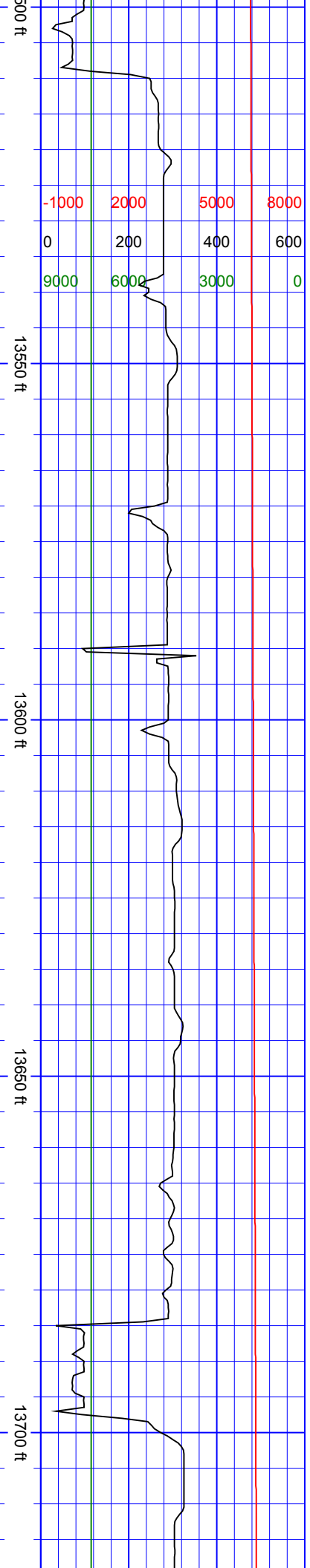
SurveyDepth:13341
TVD:7268.04 Inc:90.66
Azi:0.54
VertSec:6023.63

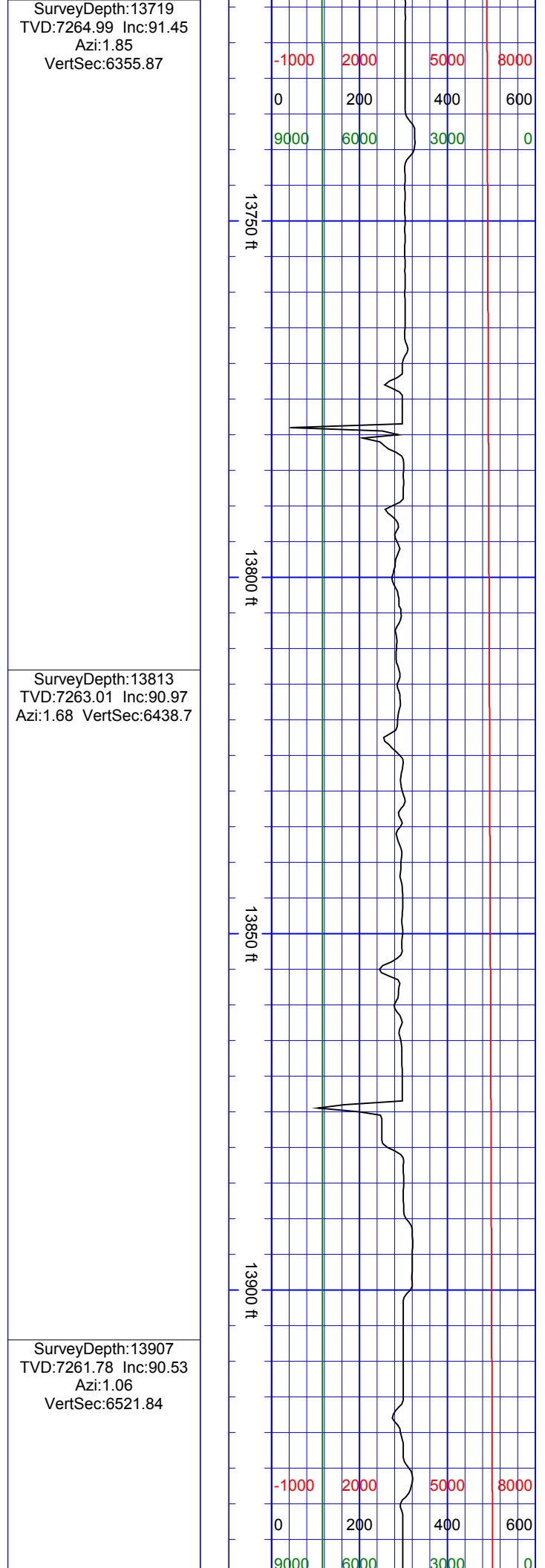
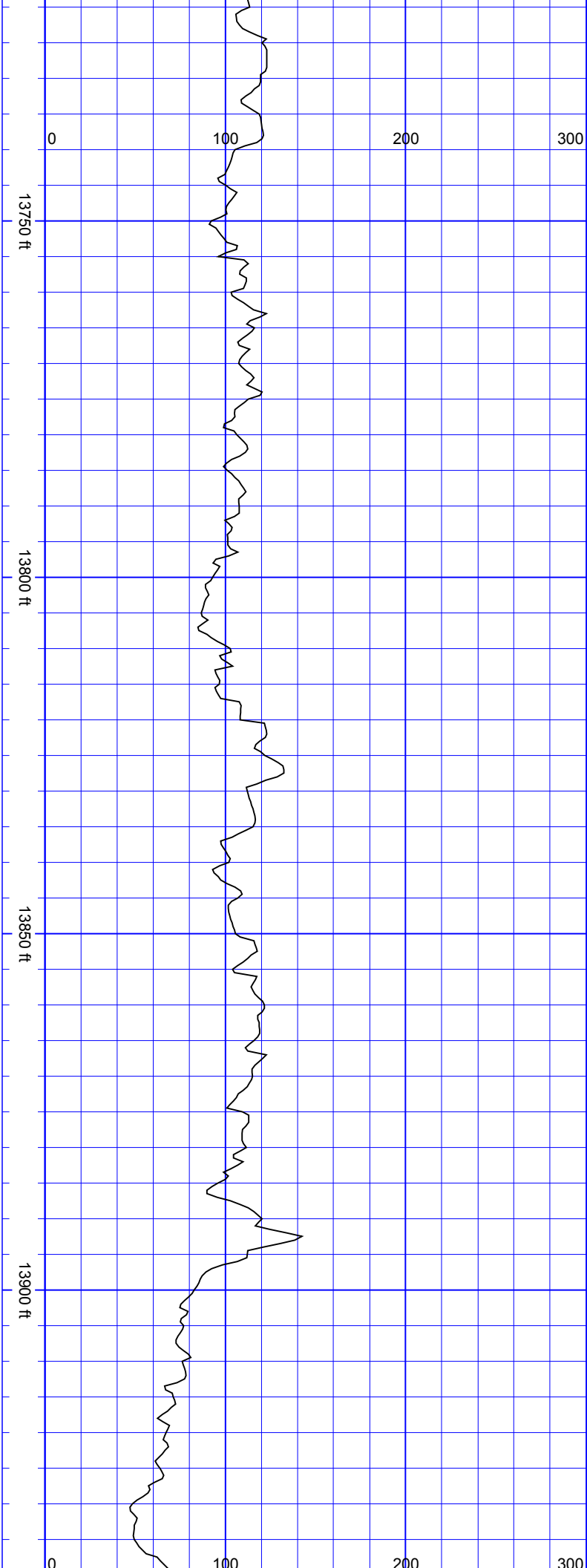
SSS

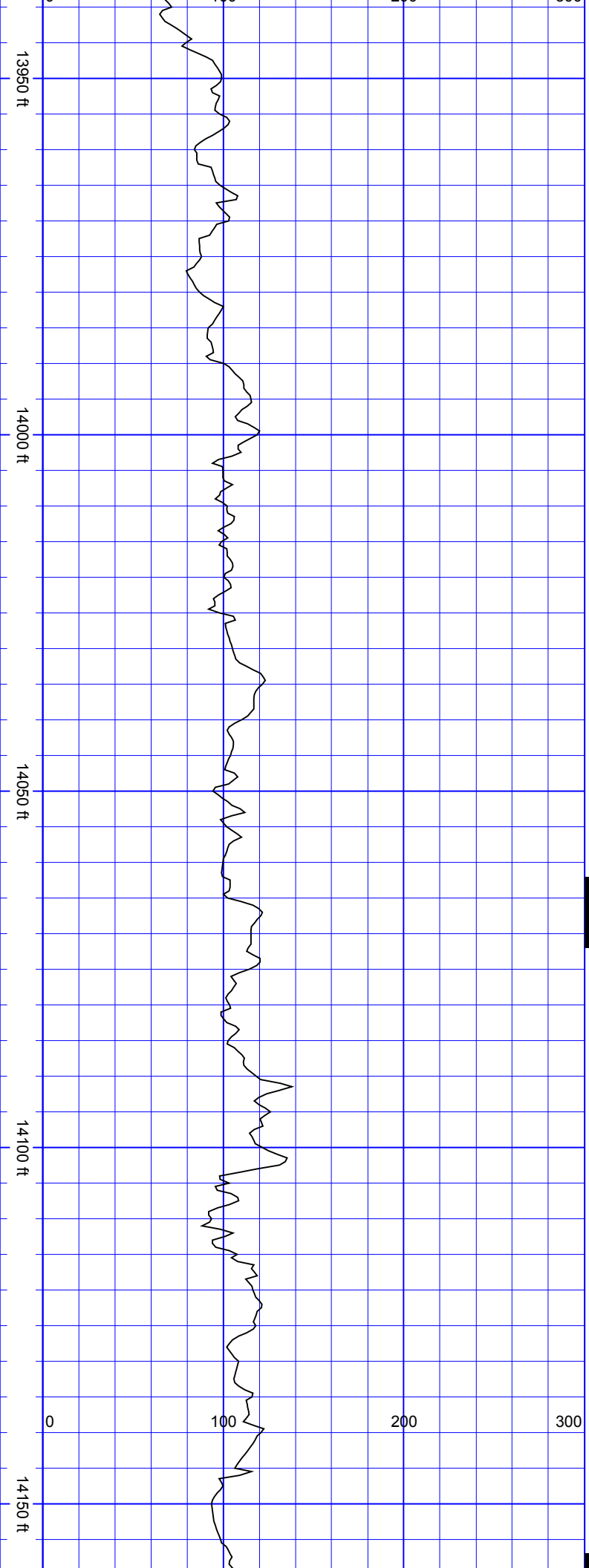
SurveyDepth:13435
TVD:7267.65 Inc:89.82
Azi:2.29
VertSec:6106.74

SSS



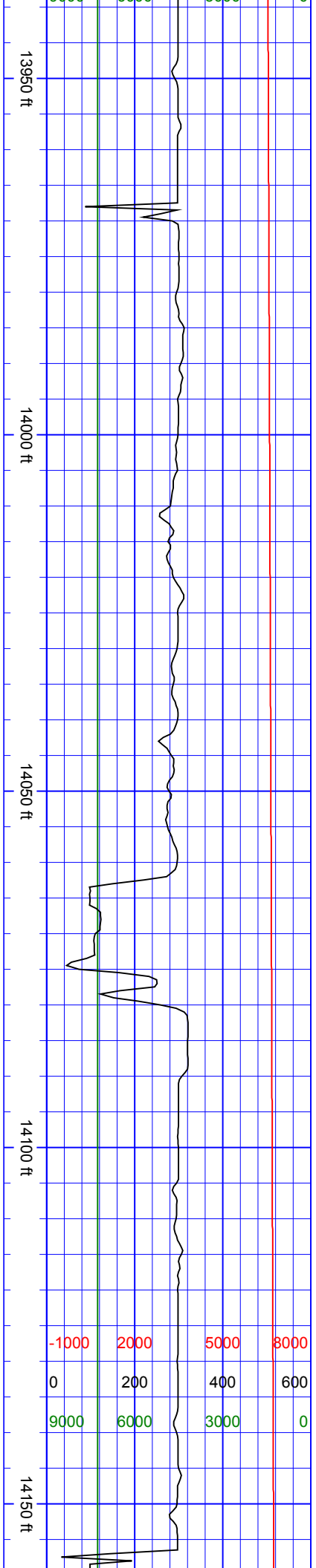


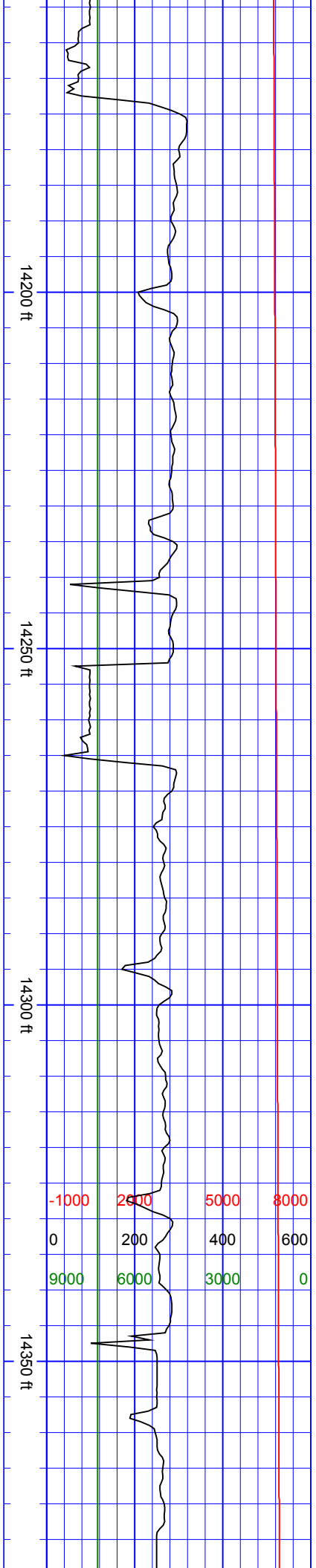
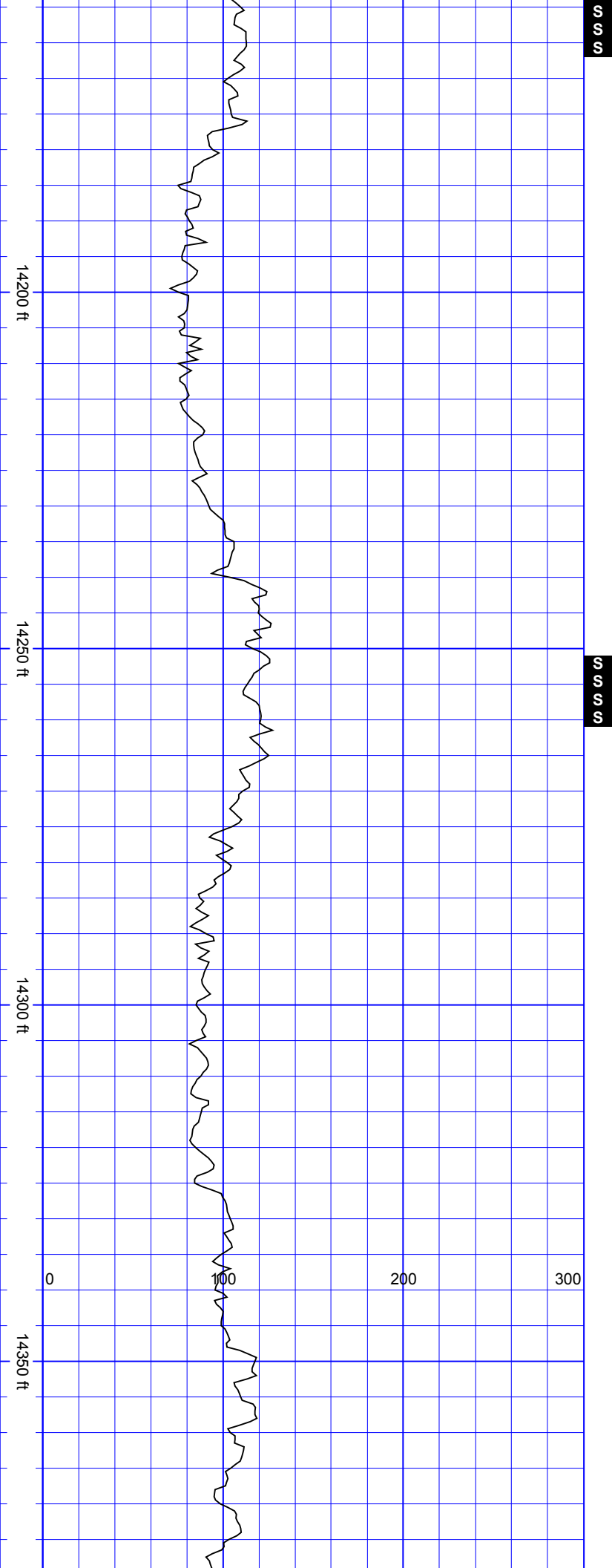




SurveyDepth:14002
TVD:7261.78 Inc:89.47
Azi:1.42
VertSec:6605.98

SurveyDepth:14097
TVD:7262.72 Inc:89.39
Azi:1.59
VertSec:6689.91





SurveyDepth:14381
TVD:7260.49 Inc:90.4
Azi:1.77
VertSec:6940.04

SurveyDepth:14474
TVD:7260.31 Inc:89.82
Azi:0.98 VertSec:7022.3

SurveyDepth:14569
TVD:7260.93 Inc:89.43
Azi:1.24
VertSec:7106.53

July 16, 2018

14400 ft

14450 ft

14500 ft

14550 ft

14600 ft

0 100 200 300

14400 ft

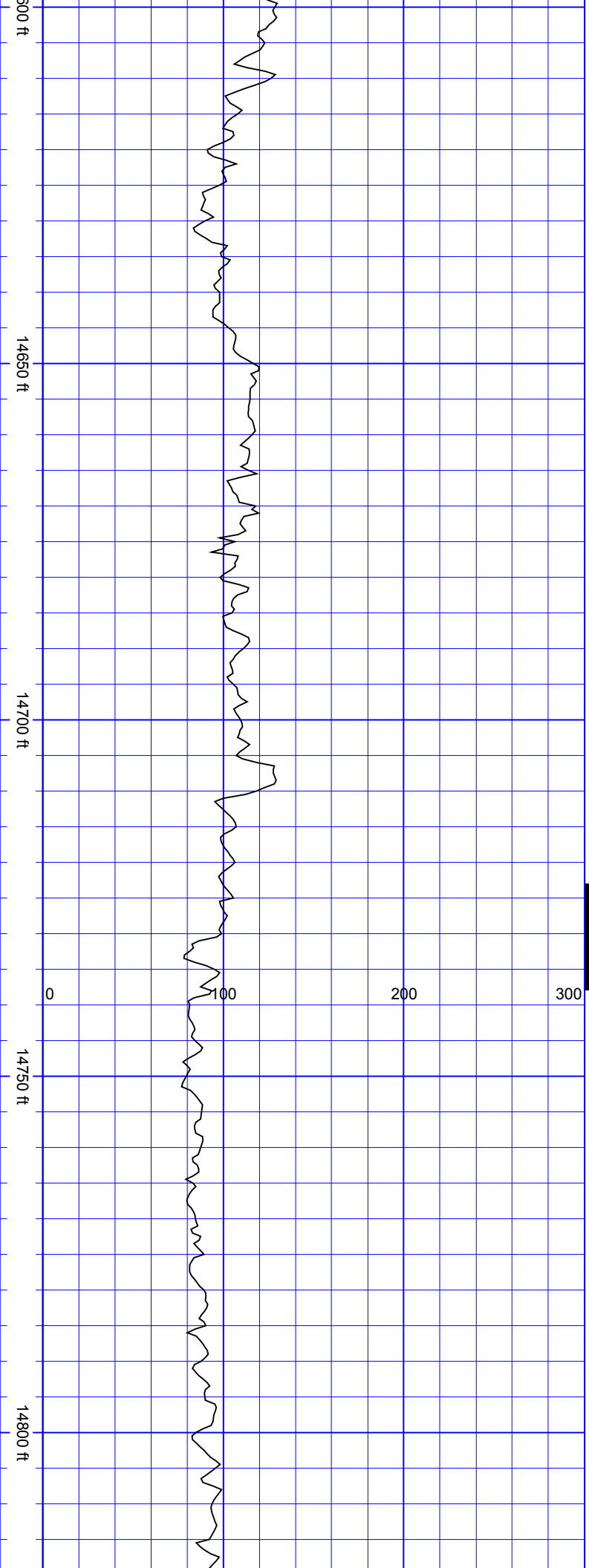
14450 ft

14500 ft

14550 ft

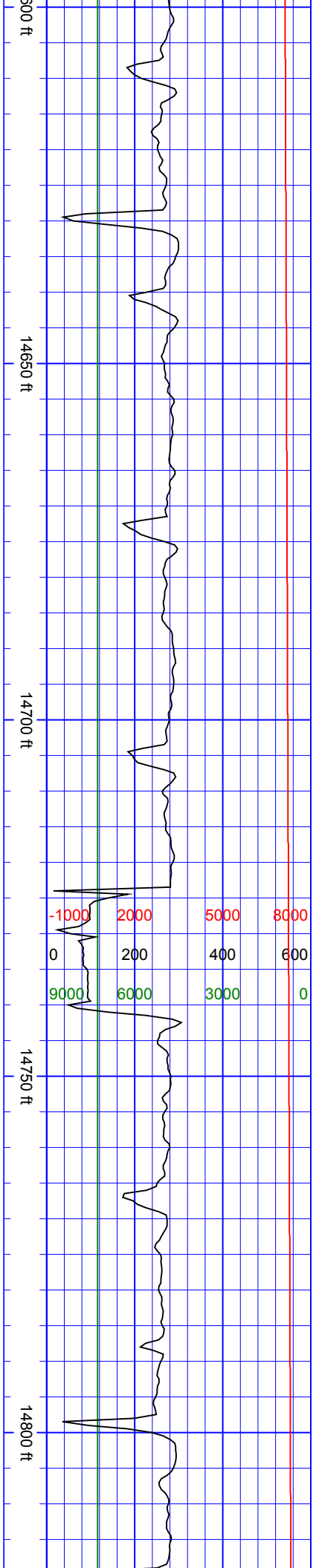
14600 ft

-1000 2000 5000 8000
0 200 400 600
9000 6000 3000 0



SurveyDepth:14663
TVD:7262.52 Inc:88.64
Azi:1.42 VertSec:7189.7

SurveyDepth:14758
TVD:7263.54 Inc:90.13
Azi:1.15
VertSec:7273.79



14850 ft

14900 ft

0 100 200 300

14950 ft

15000 ft

SurveyDepth:14852
TVD:7263.97 Inc:89.34
Azi:0.89
VertSec:7357.21

SurveyDepth:14947
TVD:7265.54 Inc:88.77
Azi:0.45
VertSec:7441.77

SurveyDepth:15015
TVD:7267.31 Inc:88.24
Azi:359.83
VertSec:7502.56

14850 ft

14900 ft

-1000 2000 5000 8000
0 200 400 600
9000 6000 3000 0

14950 ft

15000 ft

