



Build & Lateral

Job #:

185204

Well ID:

16191031

Scale:

5" = 100 ft

Type:

MD

Well Site Information

Oil CompanyCrestone Peak Resources

Surface LocationS4-T2N-R66W

Well NameDAVIS 1M-9H-G266

API05-123-46519-00

FieldDJ BASIN

StateCO

CountryUSA

Surface Coordinates

Well TypeHorizontal

Latitude40° 9' 16 N

Longitude104° 46' 41 W

N / S Coordinates1,299,901.44 us/ft

E / W Coordinates3,201,825.85 us/ft

Azimuth ReferenceTrue North

Grid Convergence0.47°

MWD Engineers

Lead HandBob Stahlecker

Second HandChad Vallad

Perm DatumGroundElevation4,917.00 ft

Log depth measured from KB is23.00 ftabove perm datum.KB = 4,940.00 ft

Total Depth15,612.00 ftSpud DateJul/18/2018End DateJul/22/2018

(MD) Log IntervalStart Depth2,240.00 ftEnd Depth15,612.01 ft

Bore Hole Record

Hole SizeFromTo

13.50 in0.00 ft2,280.00 ft

8.50 in2,280.00 ft15,612.00 ft

Casing Record

TypeSizeWGTFromTo

LT&C9.63 in40.00 lbs/ft0.00 ft2,280.00 ft

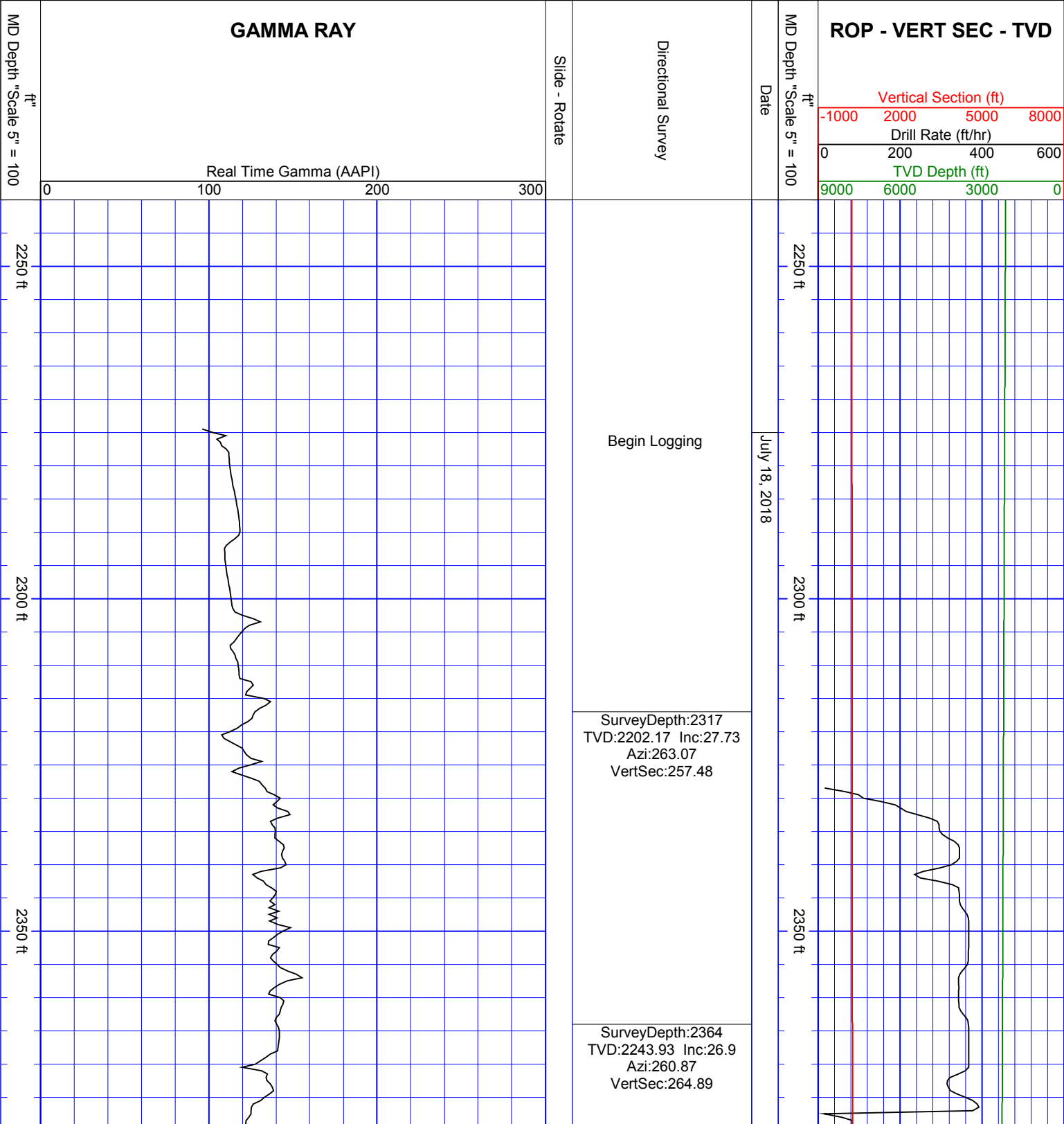
LT&C5.50 in20.00 lbs/ft0.00 ft15,612.00 ft

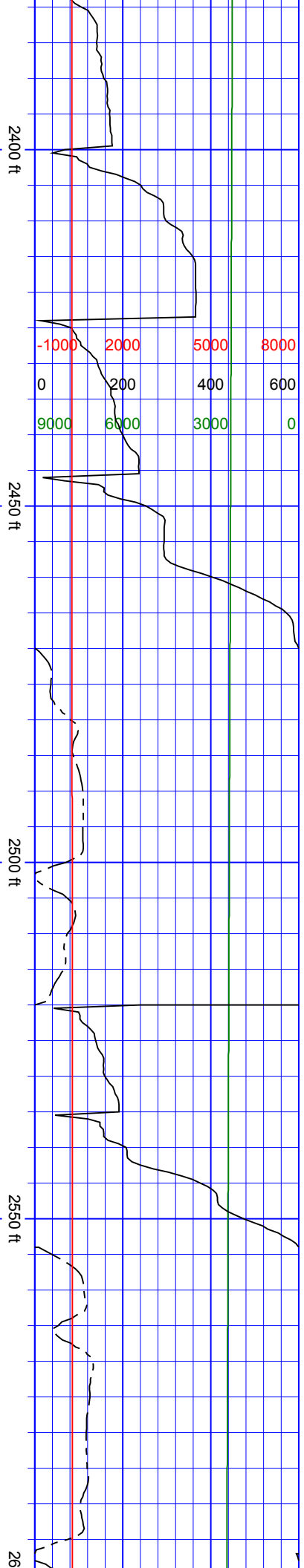
Run Data

Bit Run Number	1				
Start Date & Time	Jul/18/2018 04:30:00				
End Date & Time	Jul/22/2018 23:30:00				
Run Hours	115.00				
Depth In	2,280.00 ft				
Depth Out	15,612.00 ft				
Total Gamma Correction	5.81				
Gamma to Bit	54.48 ft				
Resistivity to Bit	-				
Mud Type	Oil Based				
Density	10.30 ppg				
Viscosity	48.00 sec/qt				
PH	-				
Fluid Loss	15.00 cc				
K+ ppm	-				
CL- ppm	256,886.00 mg/L				
Max Mud Temp	260.00 °F				
Mud Report Depth	15,230.00 ft				

Remarks

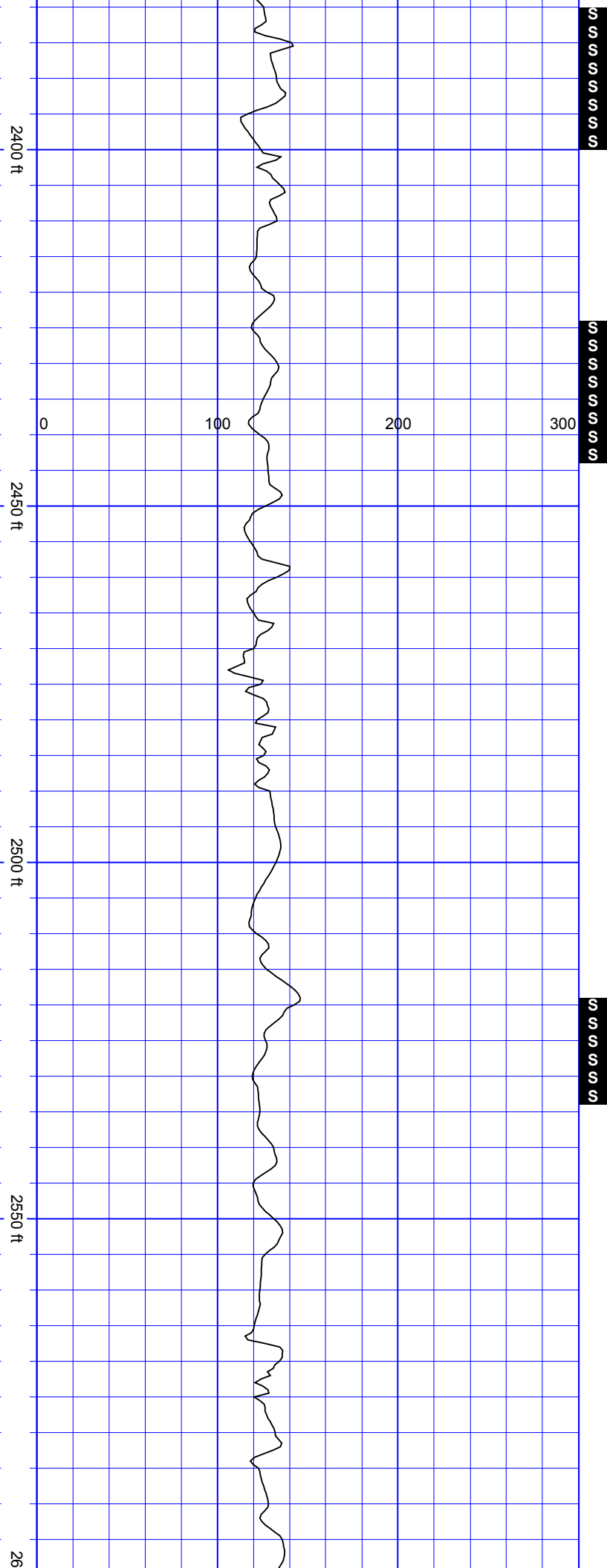
Interpretations of this data by Cathedral Energy Services will be of best judgment as to correctness. Cathedral Energy Services cannot and does not guarantee the accuracy or correctness of interpretations or any surveys derived therefrom. Cathedral Energy Services makes no warranties of performance,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

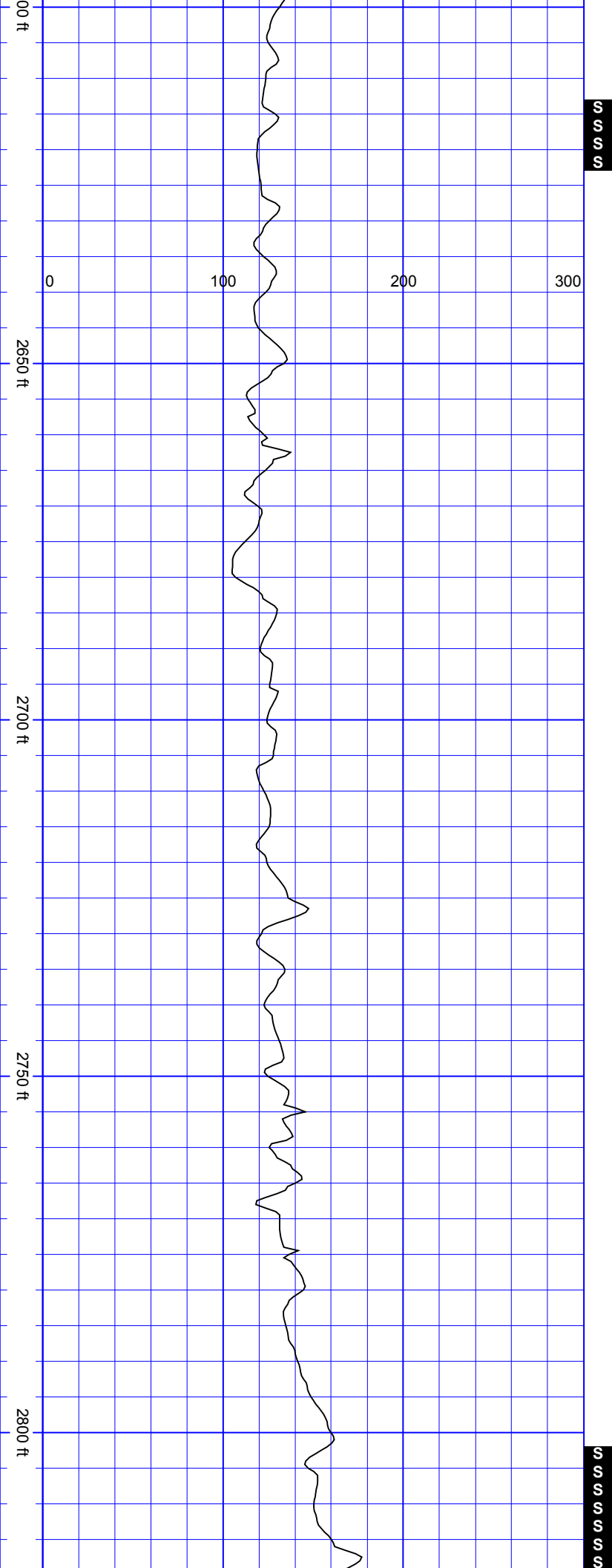




SurveyDepth:2459  
TVD:2326.57 Inc:32.17  
Azi:255.16  
VertSec:277.68

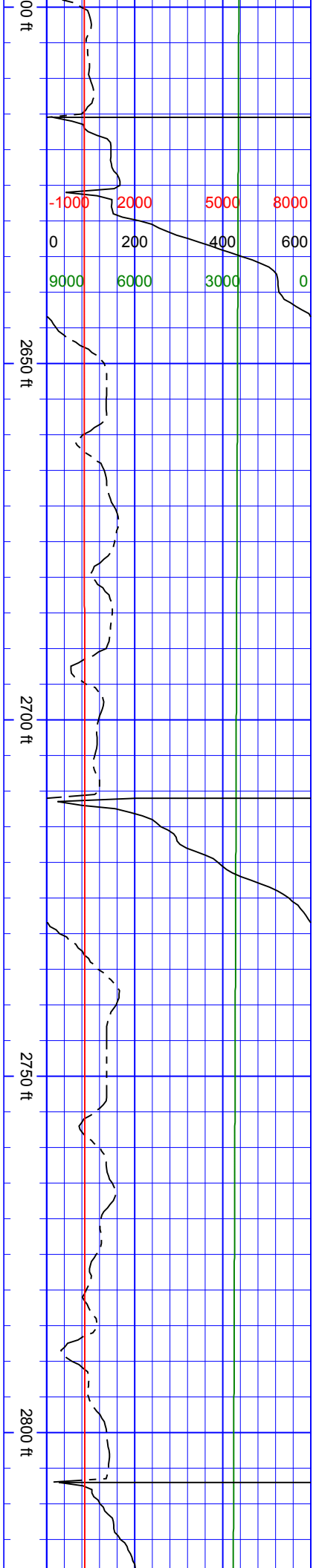
SurveyDepth:2553  
TVD:2405.76 Inc:33.05  
Azi:251.82  
VertSec:287.82



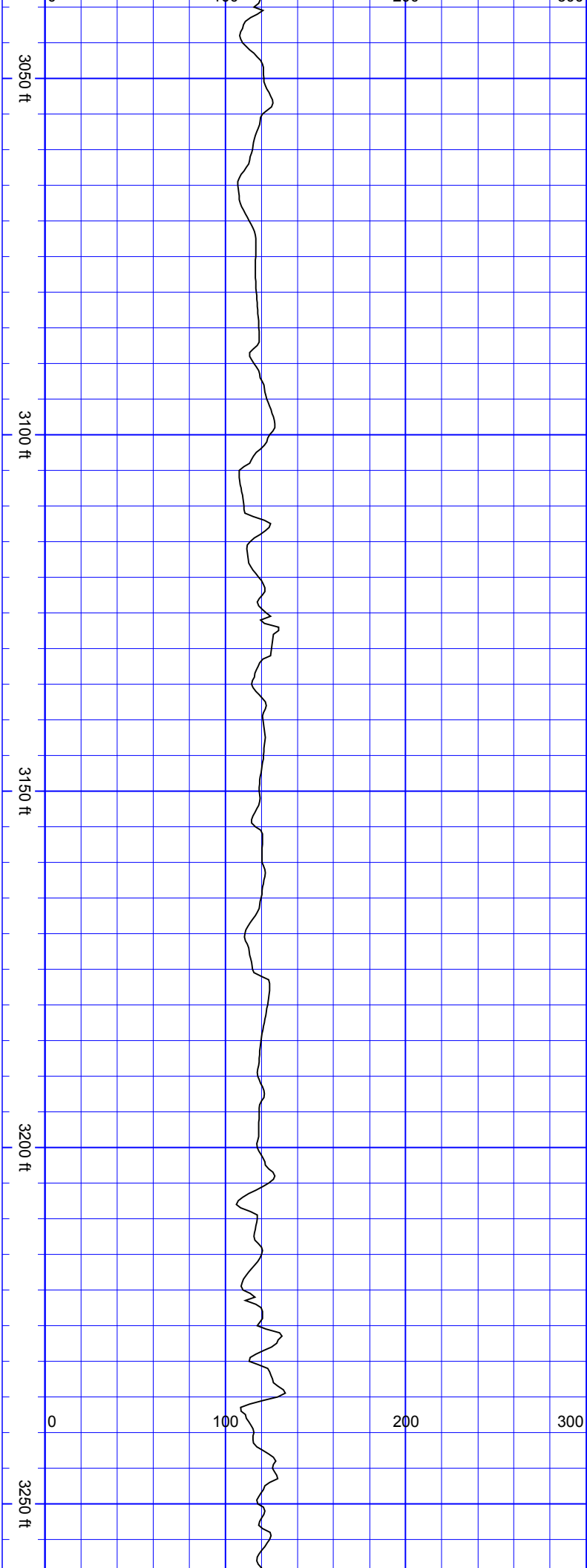


SurveyDepth:2647  
TVD:2484.95 Inc:32.17  
Azi:248.56  
VertSec:295.13

SurveyDepth:2742  
TVD:2565.99 Inc:30.72  
Azi:248.04  
VertSec:300.66

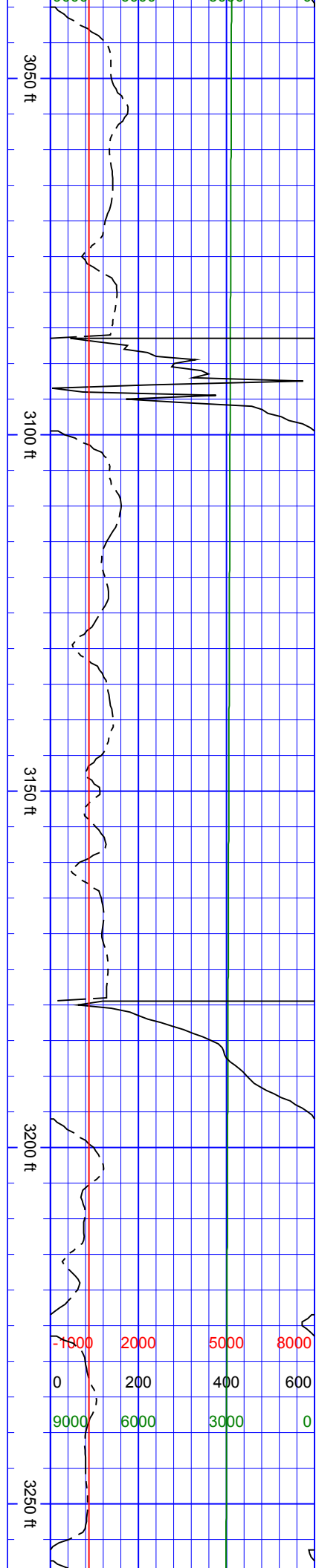






SurveyDepth:3120  
TVD:2887.14 Inc:32.3  
Azi:248.04  
VertSec:319.12

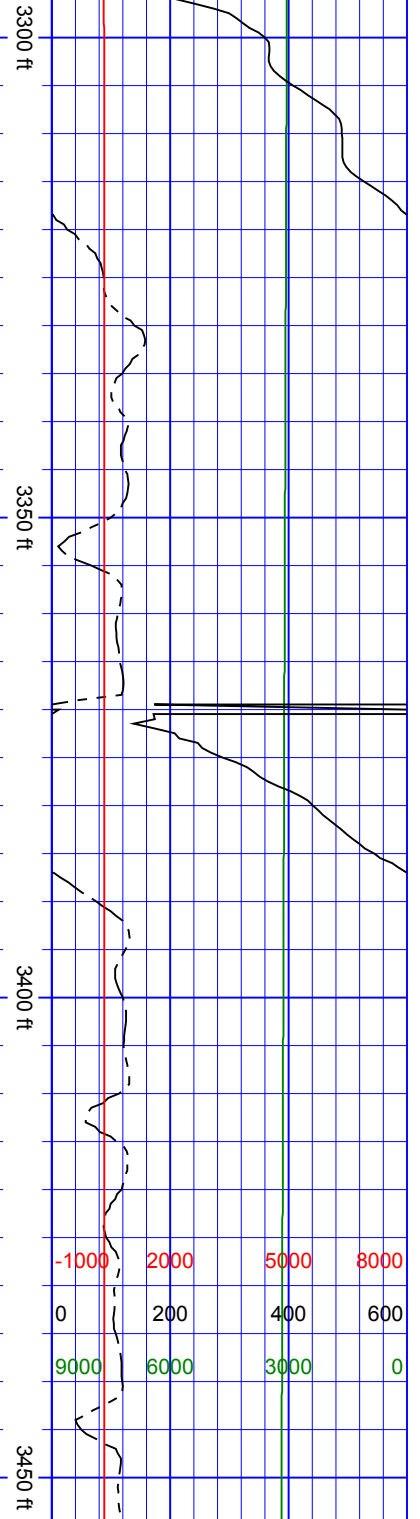
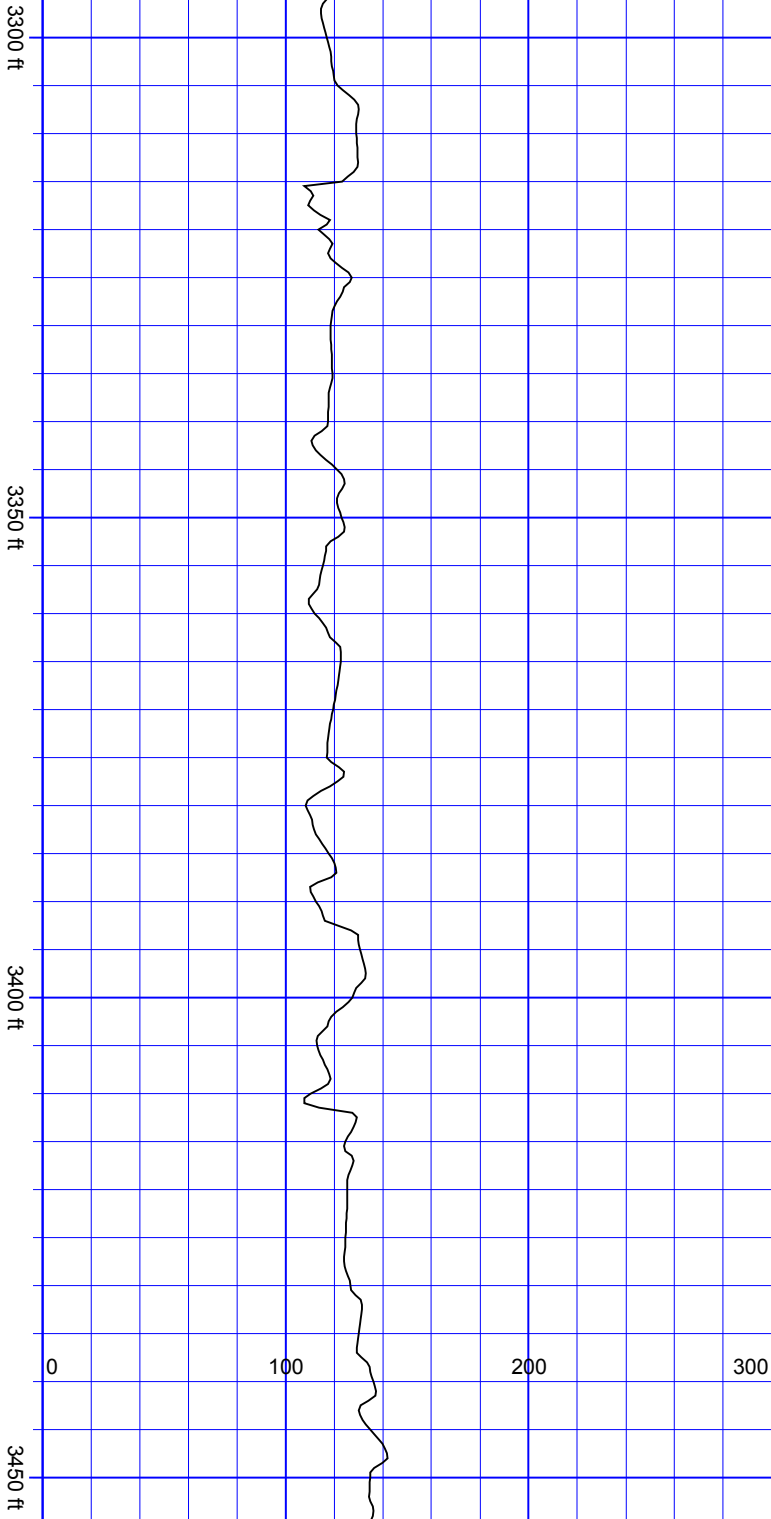
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TVD:2967.15 Inc:31.03  
Azi:247.42  
VertSec:324.13

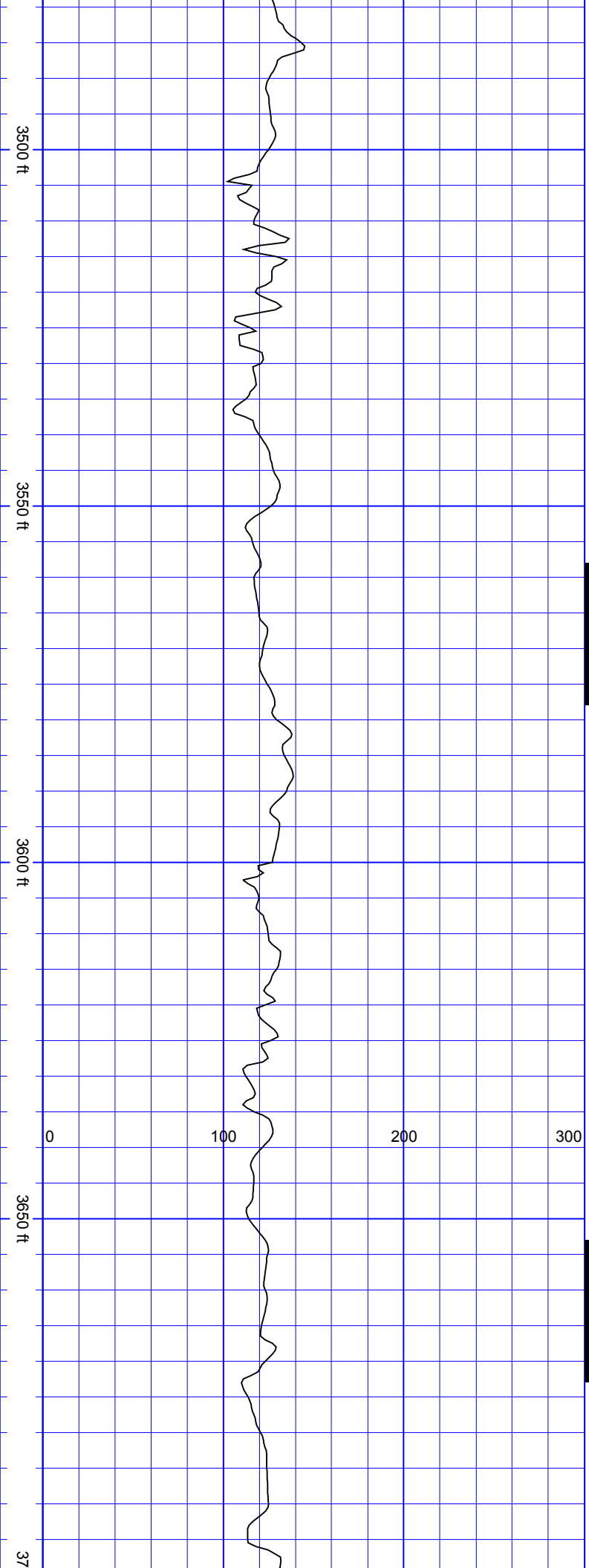


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SurveyDepth:3309  
TVD:3048.31 Inc:31.6  
Azi:250.94  
VertSec:330.39

SurveyDepth:3404  
TVD:3129.65 Inc:30.63  
Azi:249.62  
VertSec:337.54

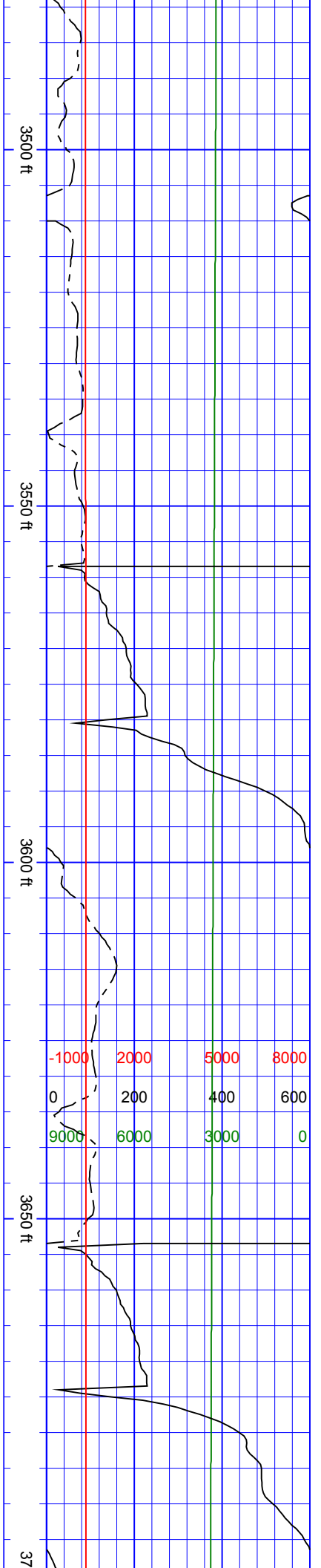




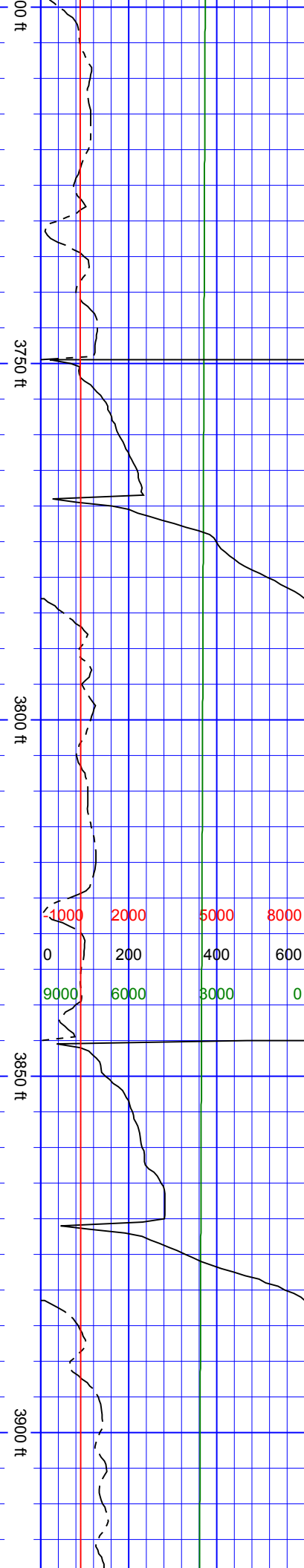
SurveyDepth:3498  
TVD:3211.36 Inc:28.61  
Azi:247.51  
VertSec:342.95

SurveyDepth:3593  
TVD:3294.13 Inc:30.19  
Azi:249.97  
VertSec:348.52

SurveyDepth:3687  
TVD:3375.24 Inc:30.54  
Azi:252.52  
VertSec:356.23

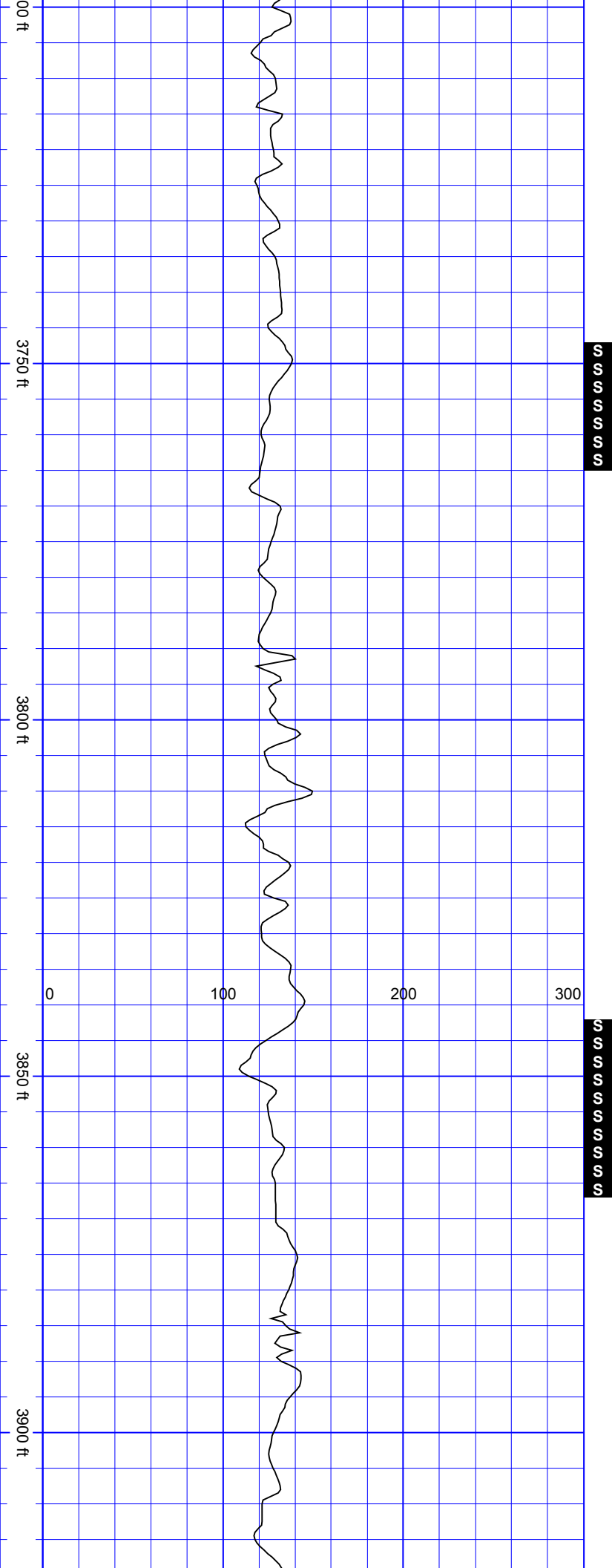




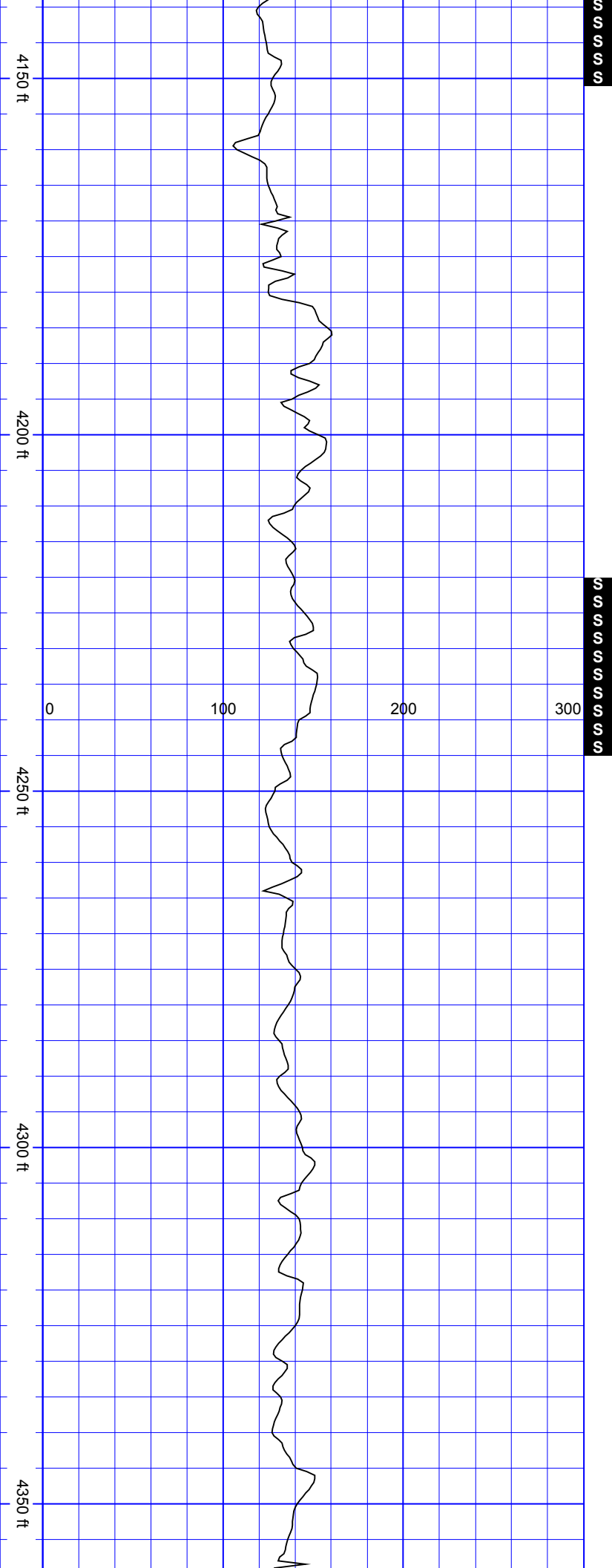


SurveyDepth:3782  
TVD:3457.24 Inc:30.1  
Azi:251.99  
VertSec:364.85

SurveyDepth:3877  
TVD:3539.06 Inc:30.98  
Azi:253.75  
VertSec:374.03

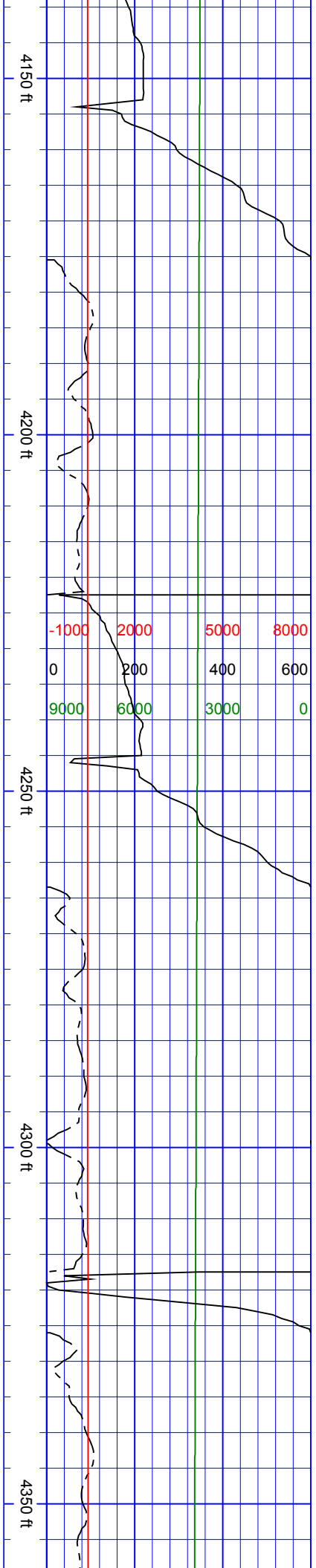


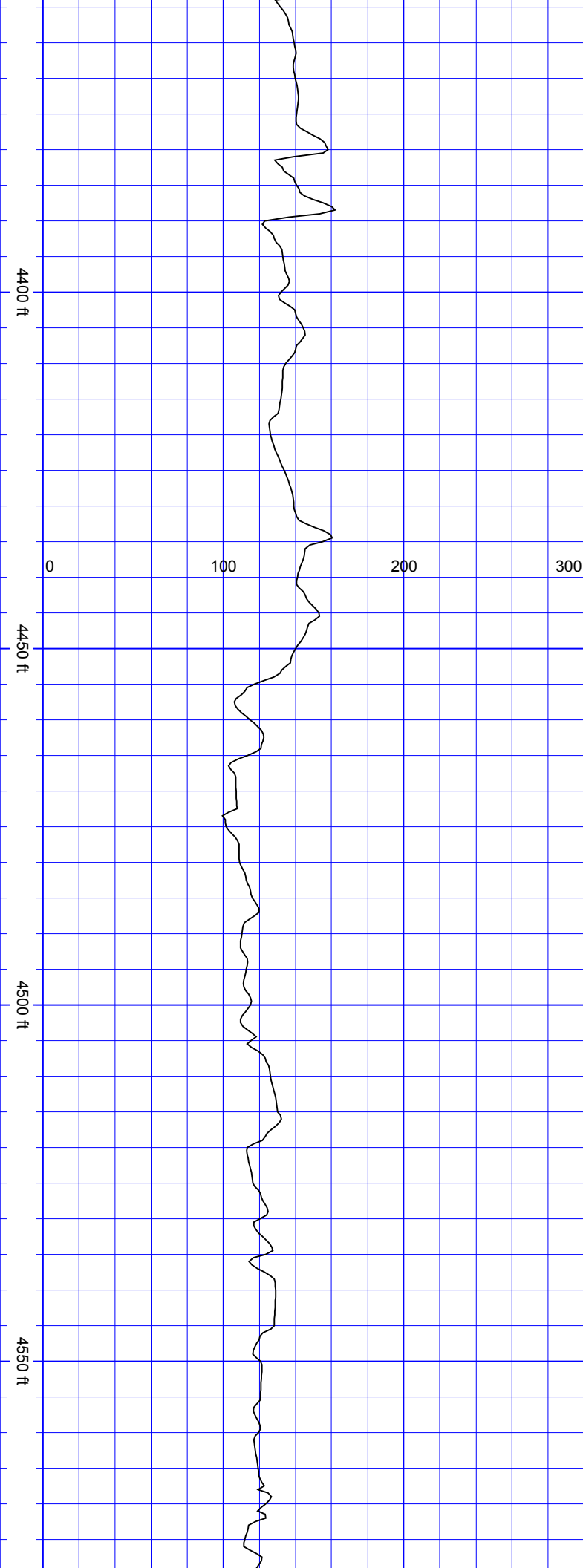




SurveyDepth:4160  
TVD:3783.61 Inc:31.69  
Azi:250.76  
VertSec:398.34

SurveyDepth:4255  
TVD:3864.16 Inc:32.34  
Azi:251.38  
VertSec:406.36

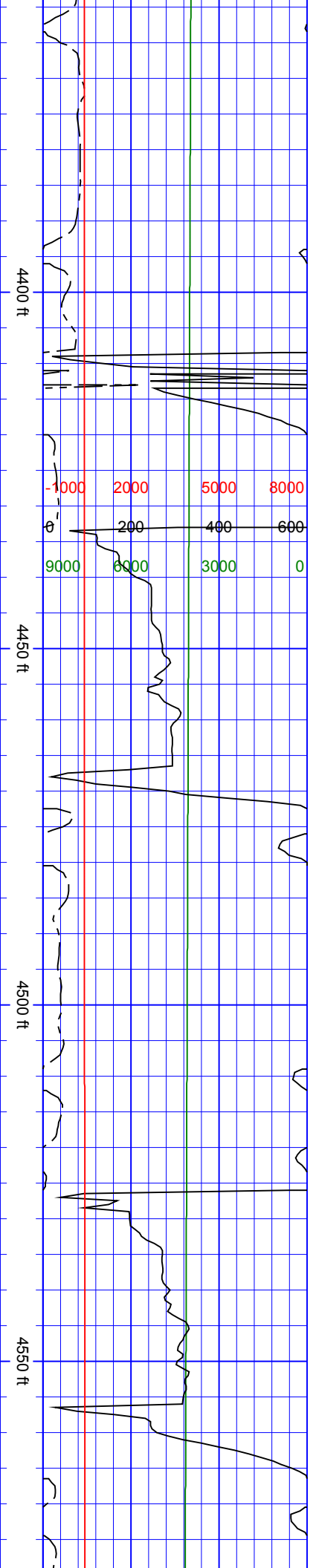




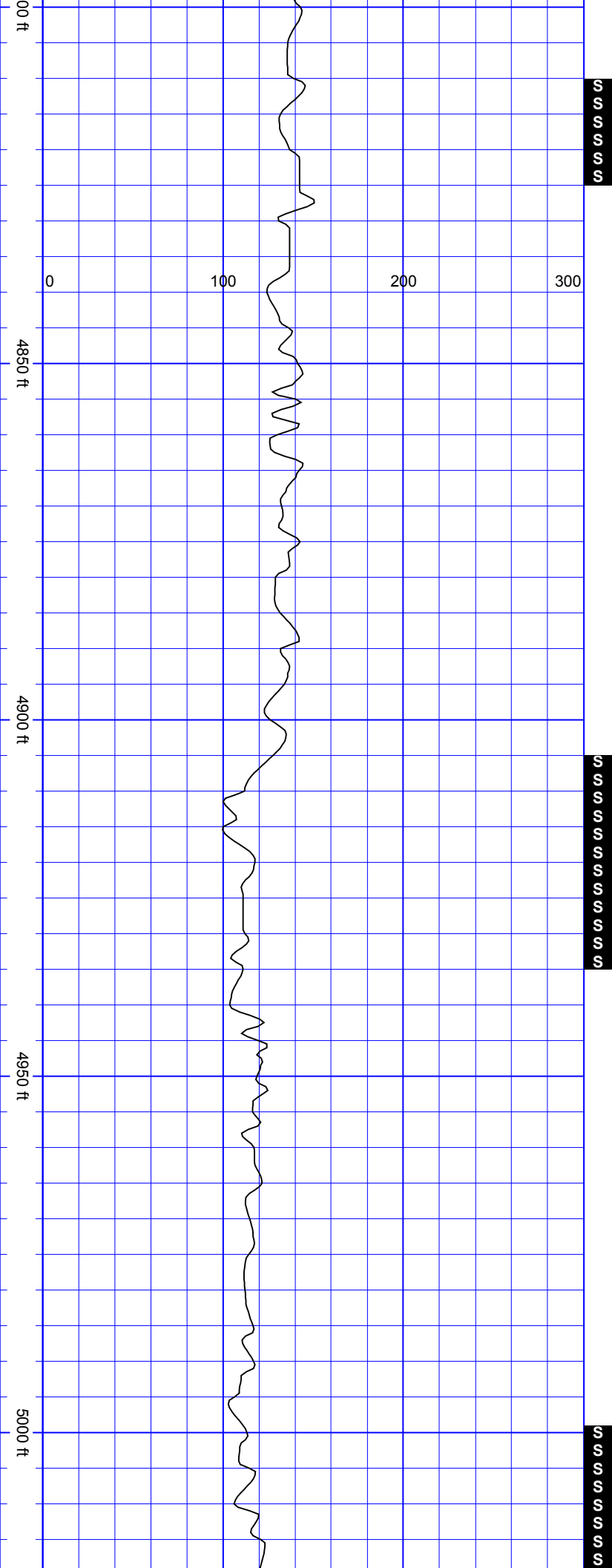
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TVD:3965.44 Inc:27.69  
Azi:250.32  
VertSec:415.49

SurveyDepth:4466  
TVD:4048.02 Inc:29.4  
Azi:252.08  
VertSec:422.76

SurveyDepth:4561  
TVD:4129.32 Inc:32.87  
Azi:252.78  
VertSec:431.74







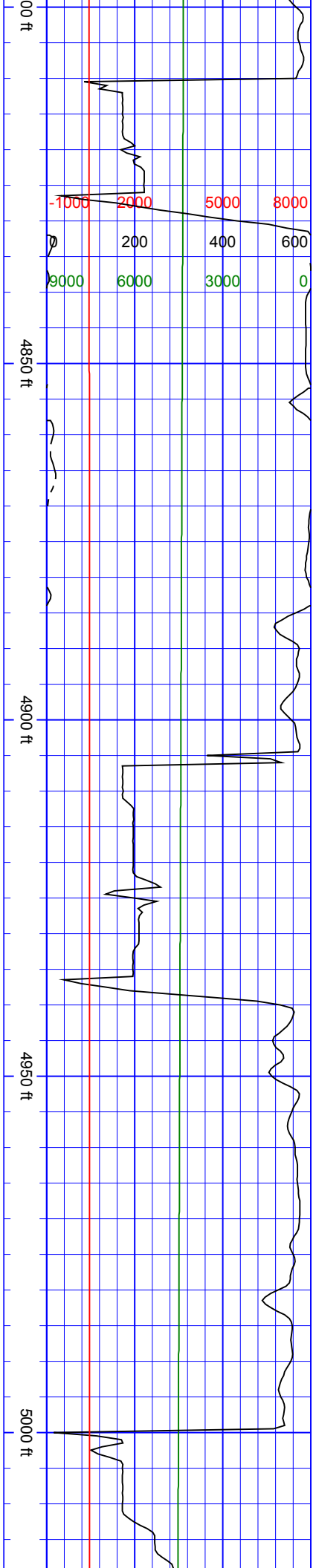
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Azi:251.99  
VertSec:458.9

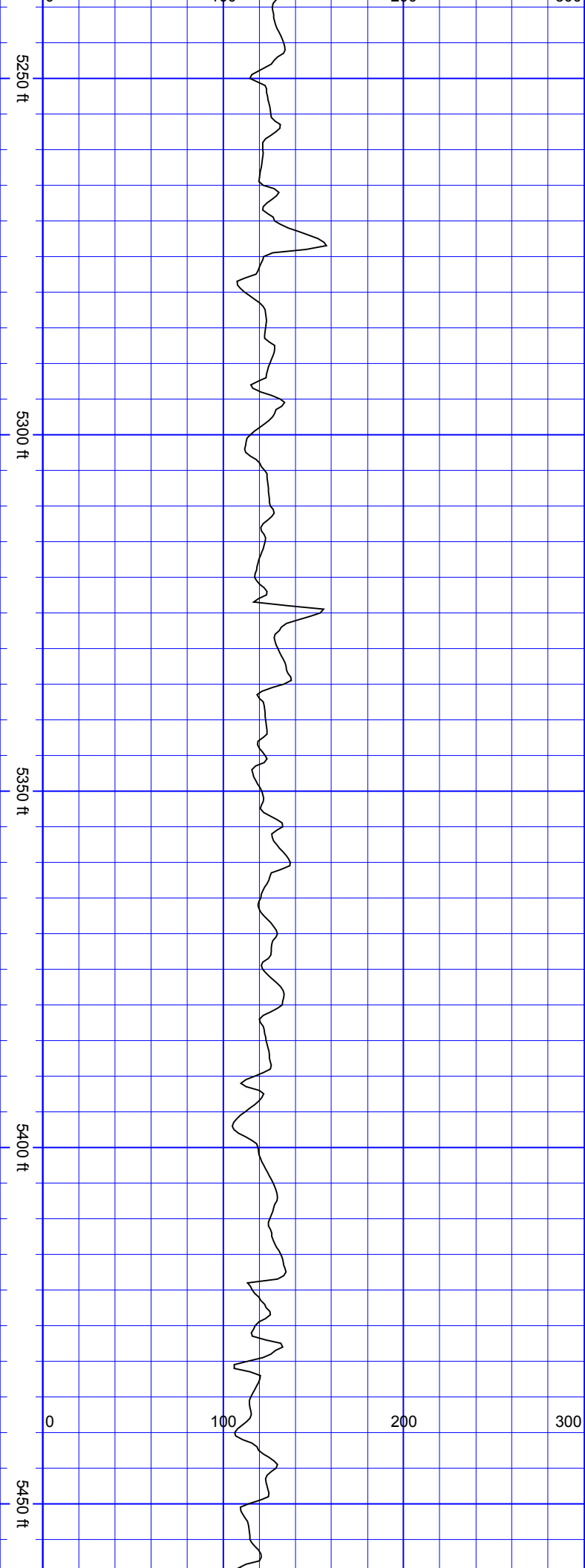
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SurveyDepth:4939  
TVD:4449.94 Inc:32.17  
Azi:251.99  
VertSec:467.42

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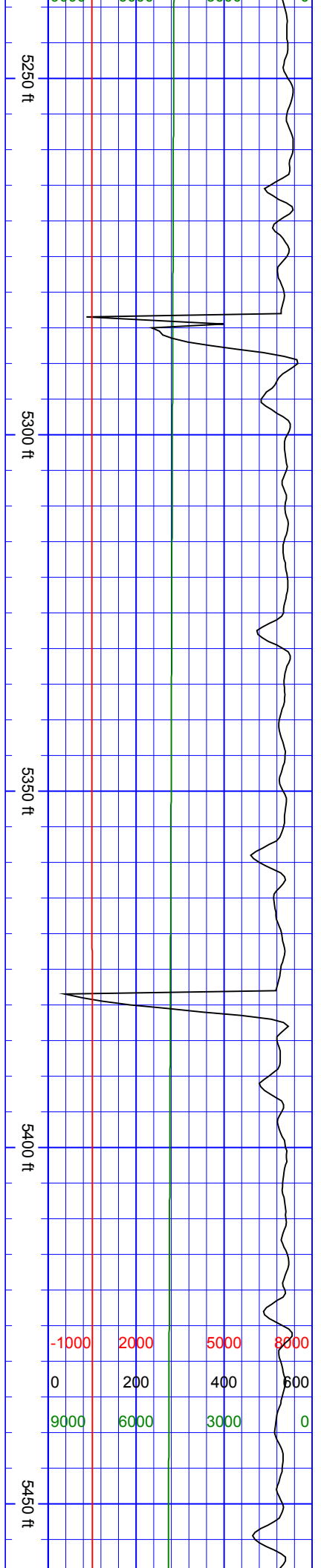






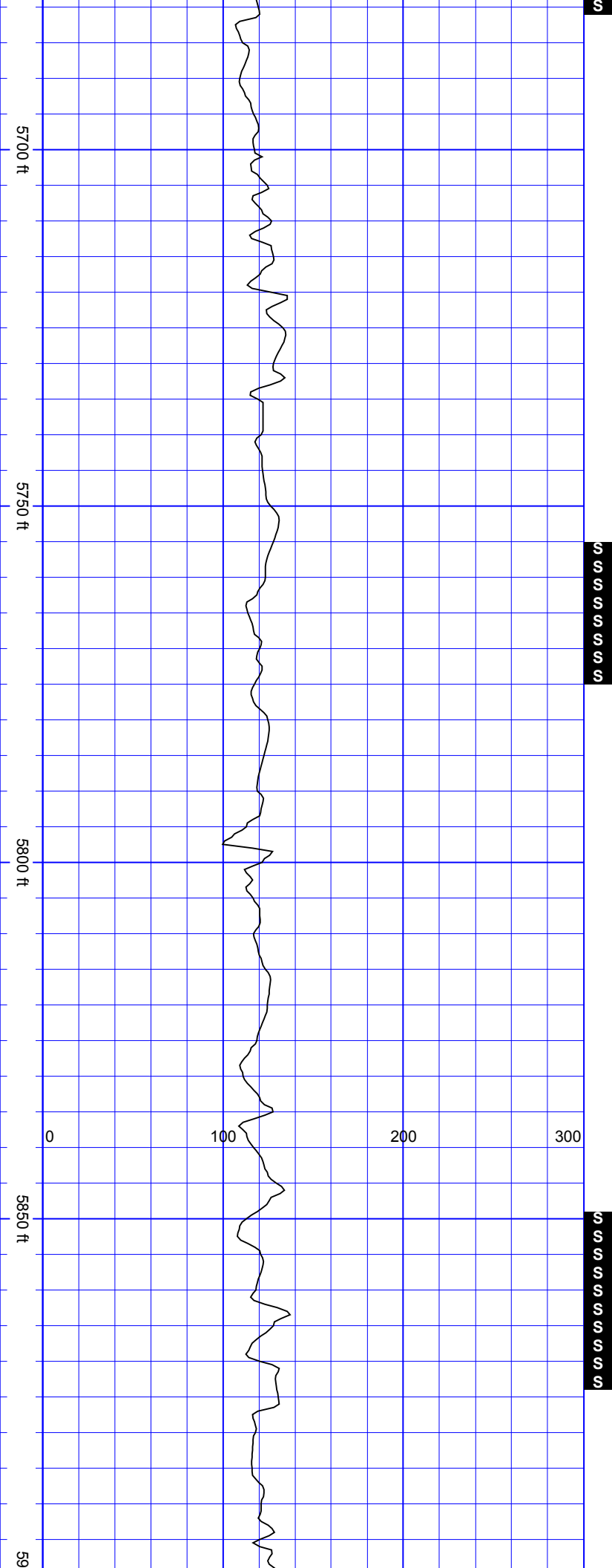
SurveyDepth:5318  
TVD:4770.19 Inc:30.41  
Azi:251.99  
VertSec:503.9

SurveyDepth:5412  
TVD:4852.65 Inc:26.94  
Azi:250.41  
VertSec:511.21





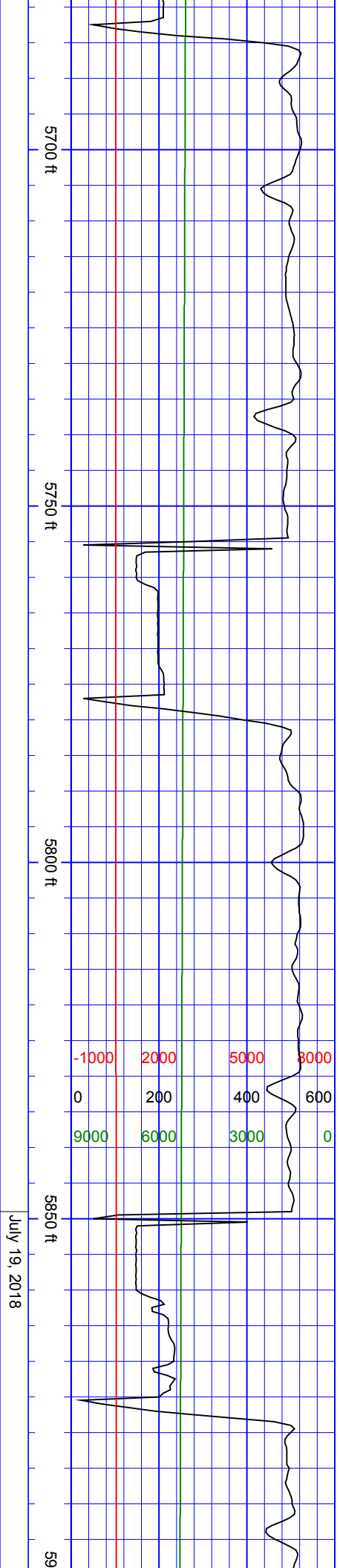


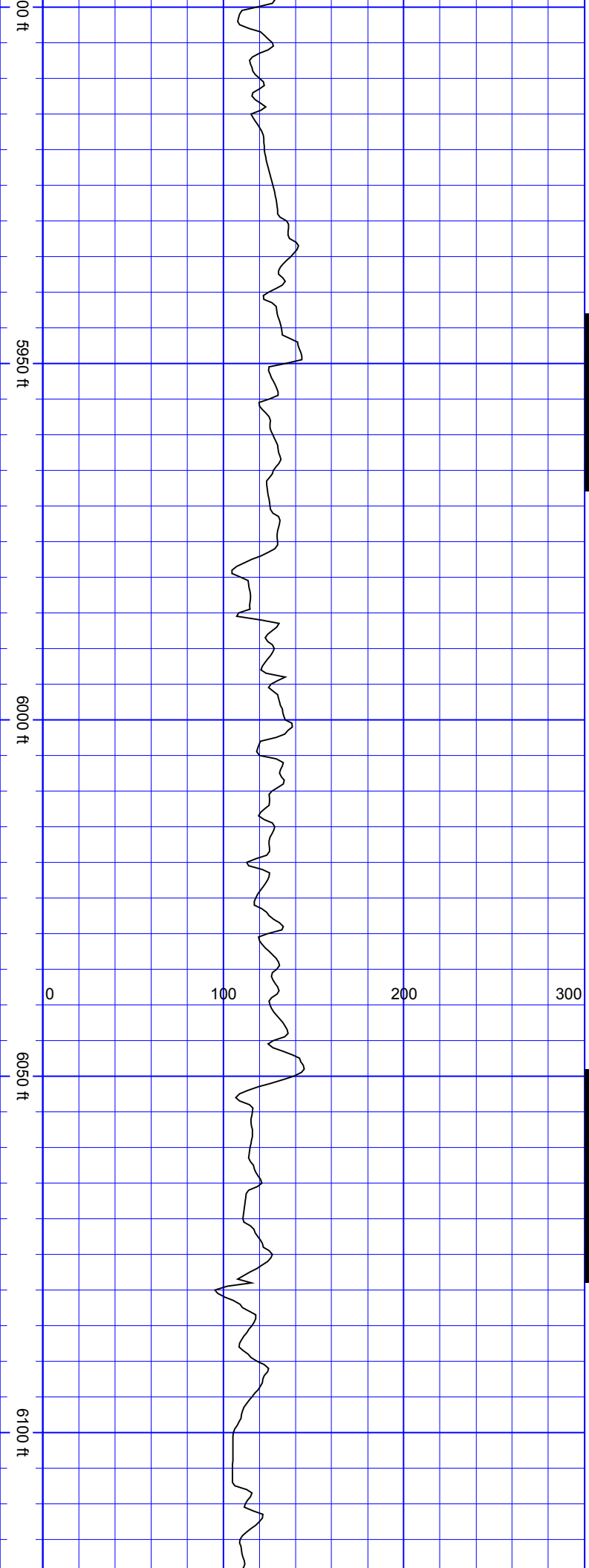


SurveyDepth:5695  
TVD:5101.39 Inc:30.41  
Azi:250.15  
VertSec:528.48

SurveyDepth:5789  
TVD:5182.41 Inc:30.54  
Azi:252.52  
VertSec:536.29

SurveyDepth:5883  
TVD:5262.94 Inc:31.55  
Azi:254.54  
VertSec:546.07

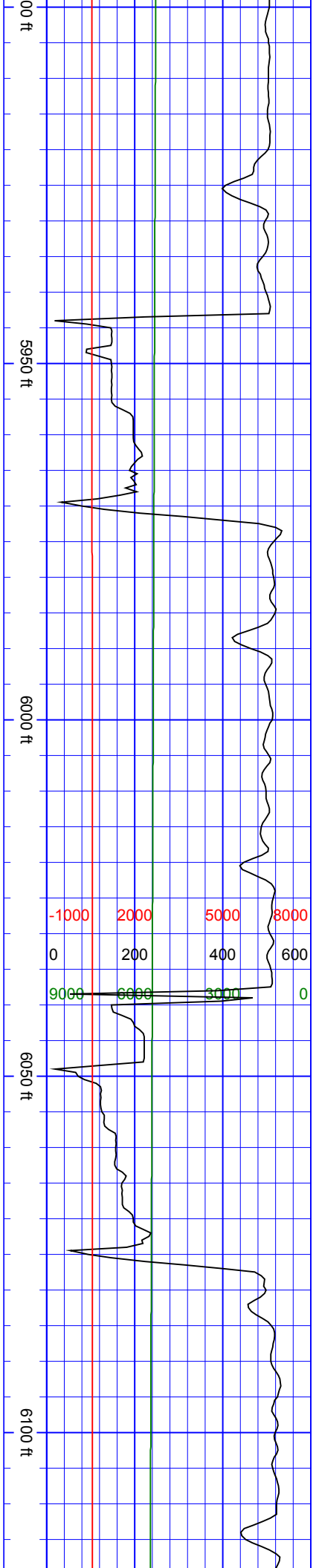


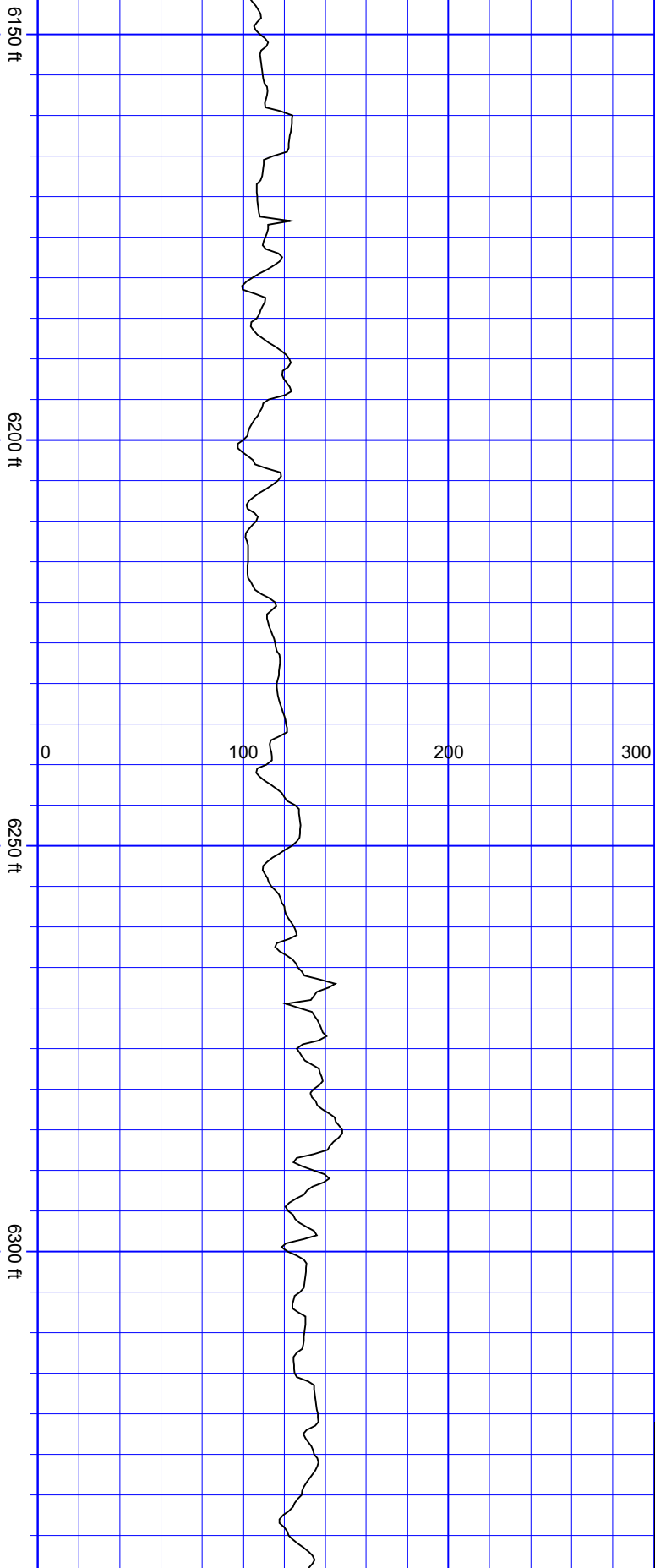


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Azi:254.19  
VertSec:556.91



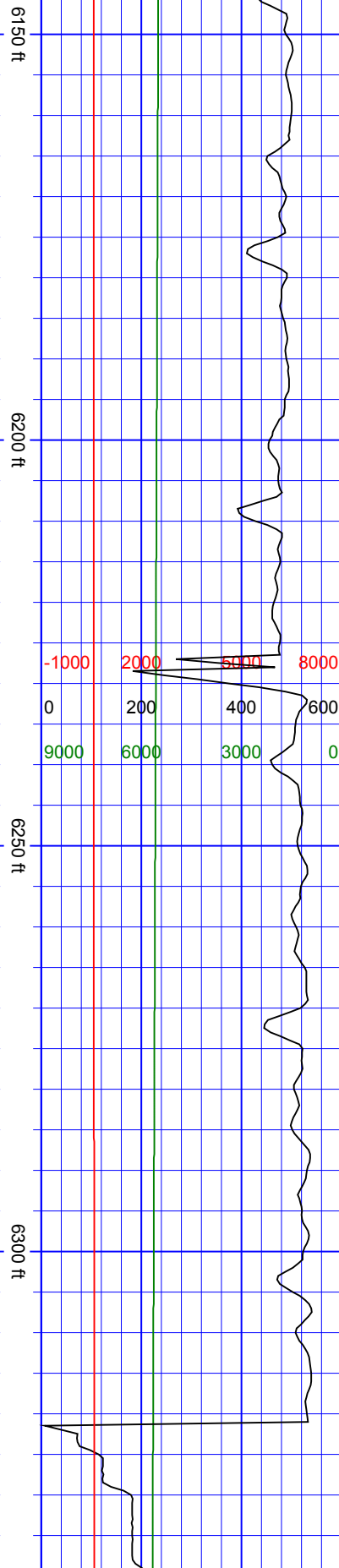
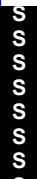
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Azi:254.19  
VertSec:567.61

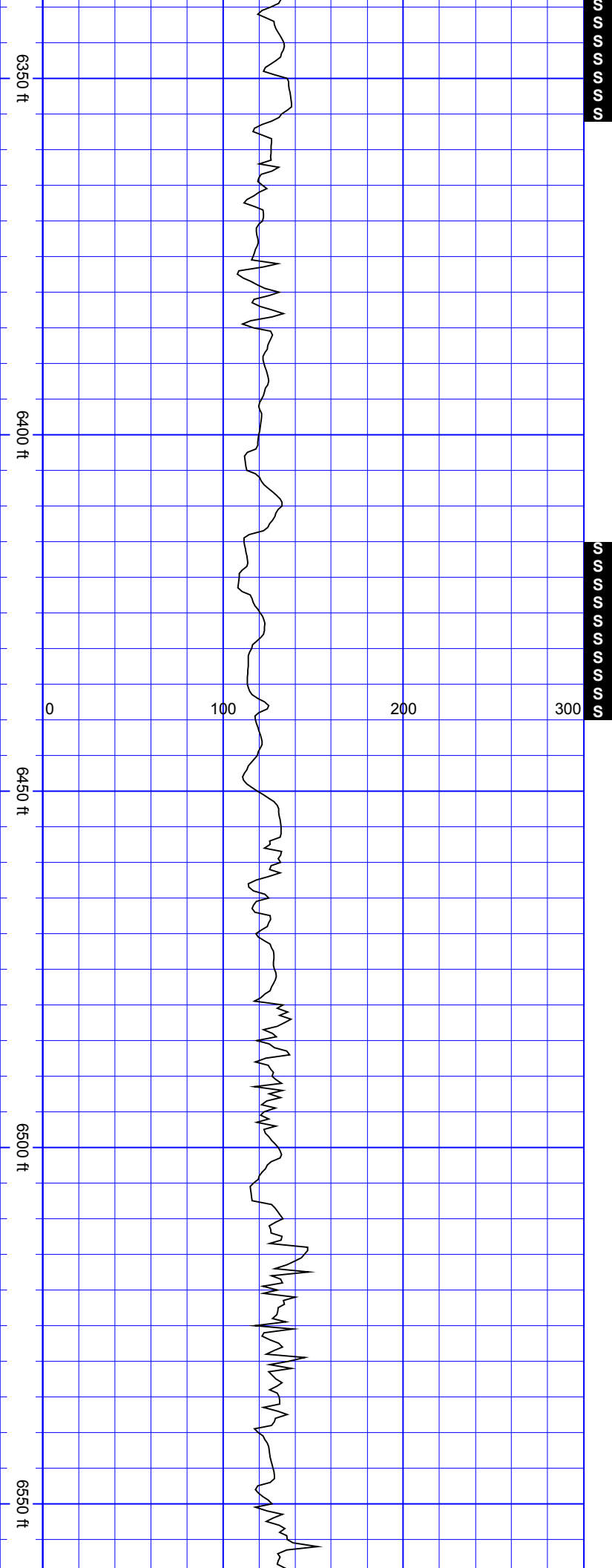




SurveyDepth:6166  
TVD:5503.14 Inc:30.59  
Azi:254.01  
VertSec:577.97

SurveyDepth:6261  
TVD:5586.47 Inc:26.76  
Azi:253.22  
VertSec:587.23

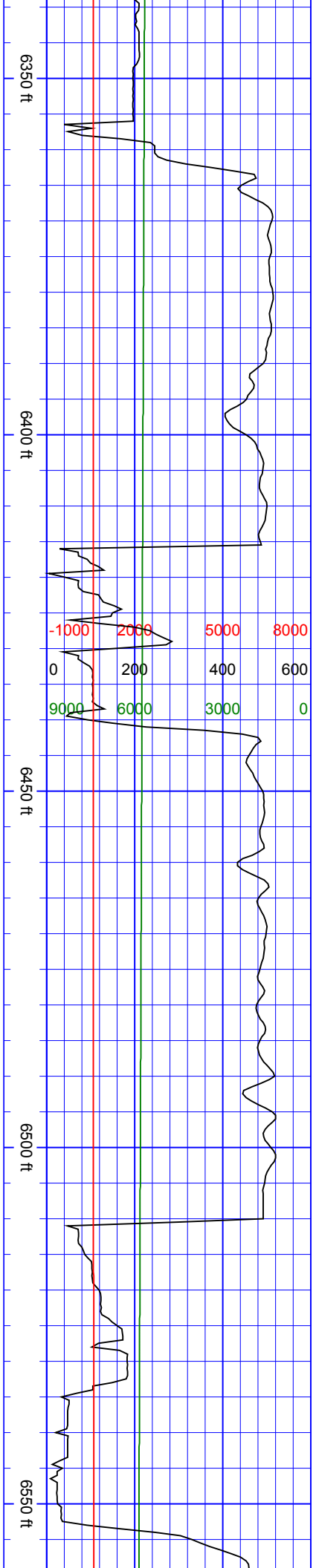


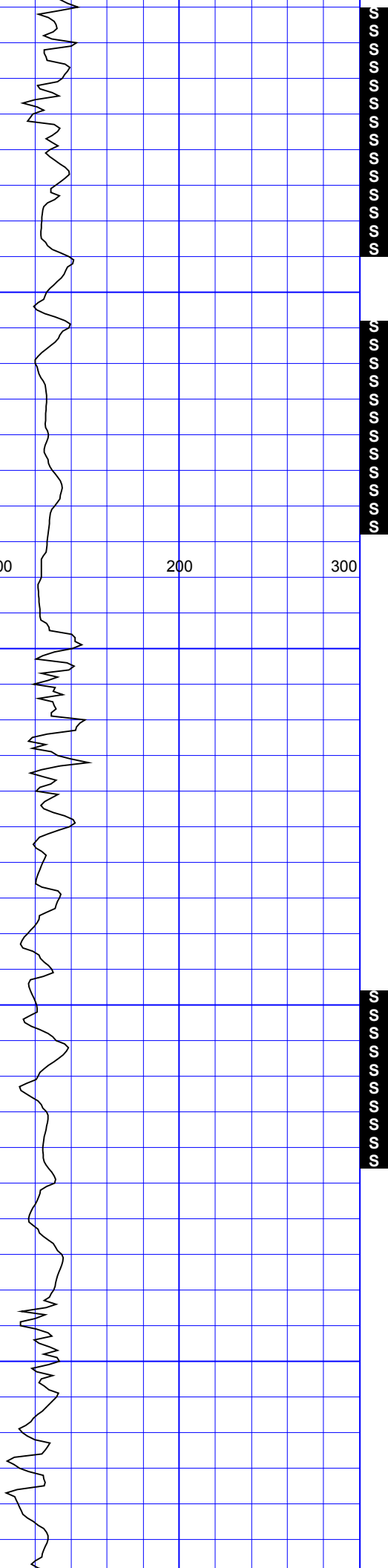


SurveyDepth:6355  
TVD:5670.12 Inc:27.55  
Azi:250.41  
VertSec:594.59

SurveyDepth:6450  
TVD:5755.1 Inc:25.53  
Azi:250.76  
VertSec:600.99

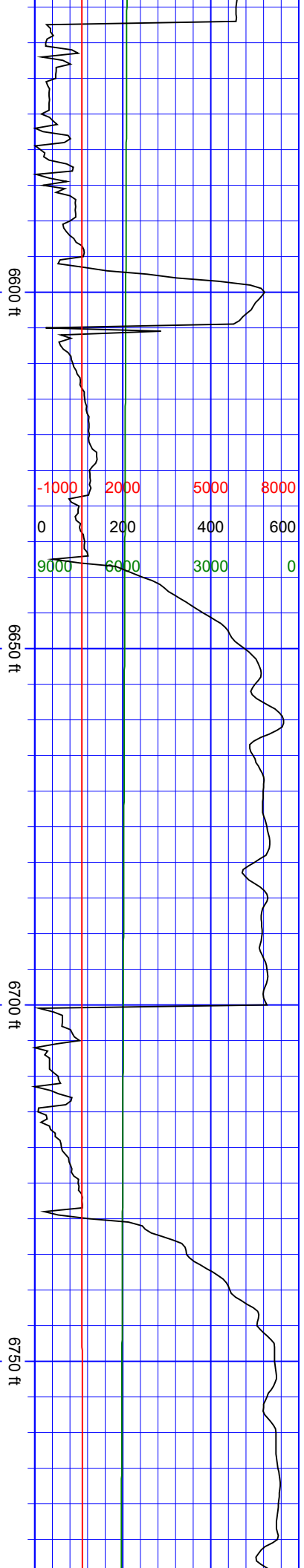
SurveyDepth:6544  
TVD:5839.73 Inc:26.06  
Azi:250.32  
VertSec:607.13



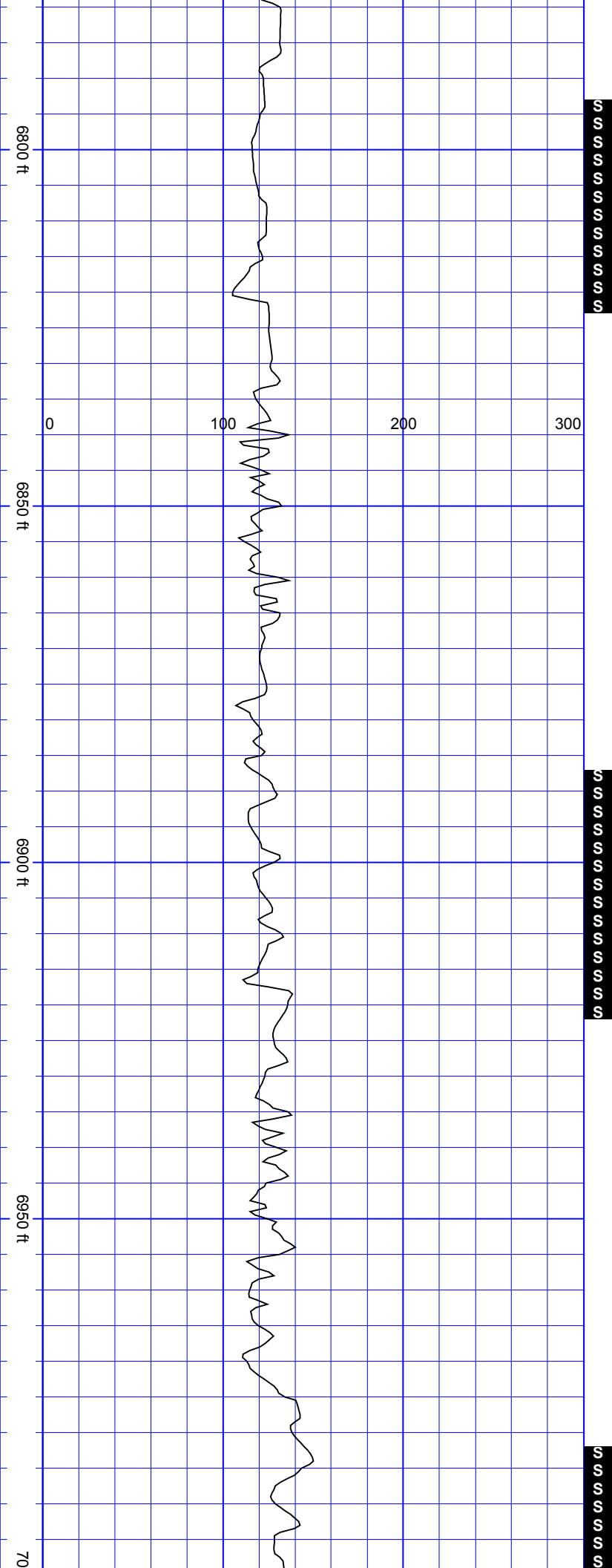


SurveyDepth:6638  
TVD:5922.26 Inc:31.07  
Azi:250.41  
VertSec:613.74

SurveyDepth:6733  
TVD:6003.79 Inc:30.72  
Azi:249.18  
VertSec:620.43

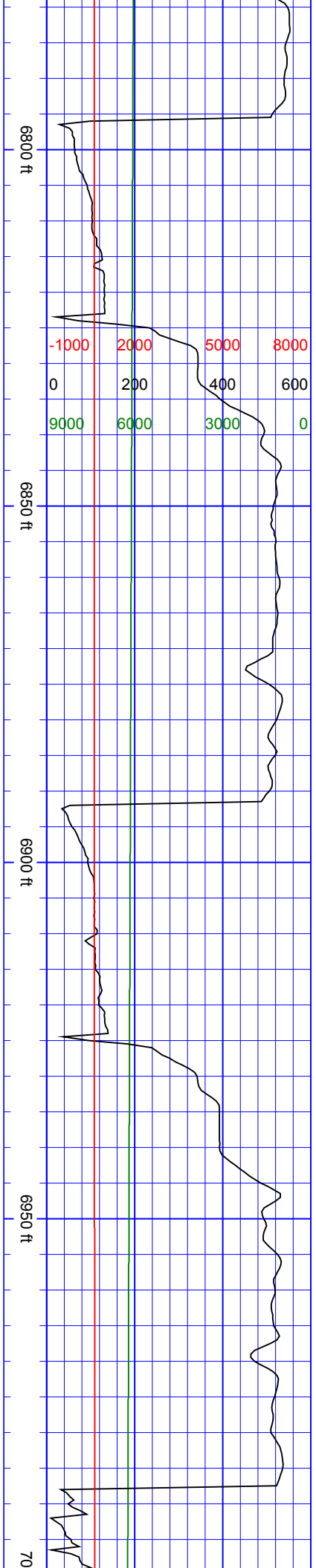


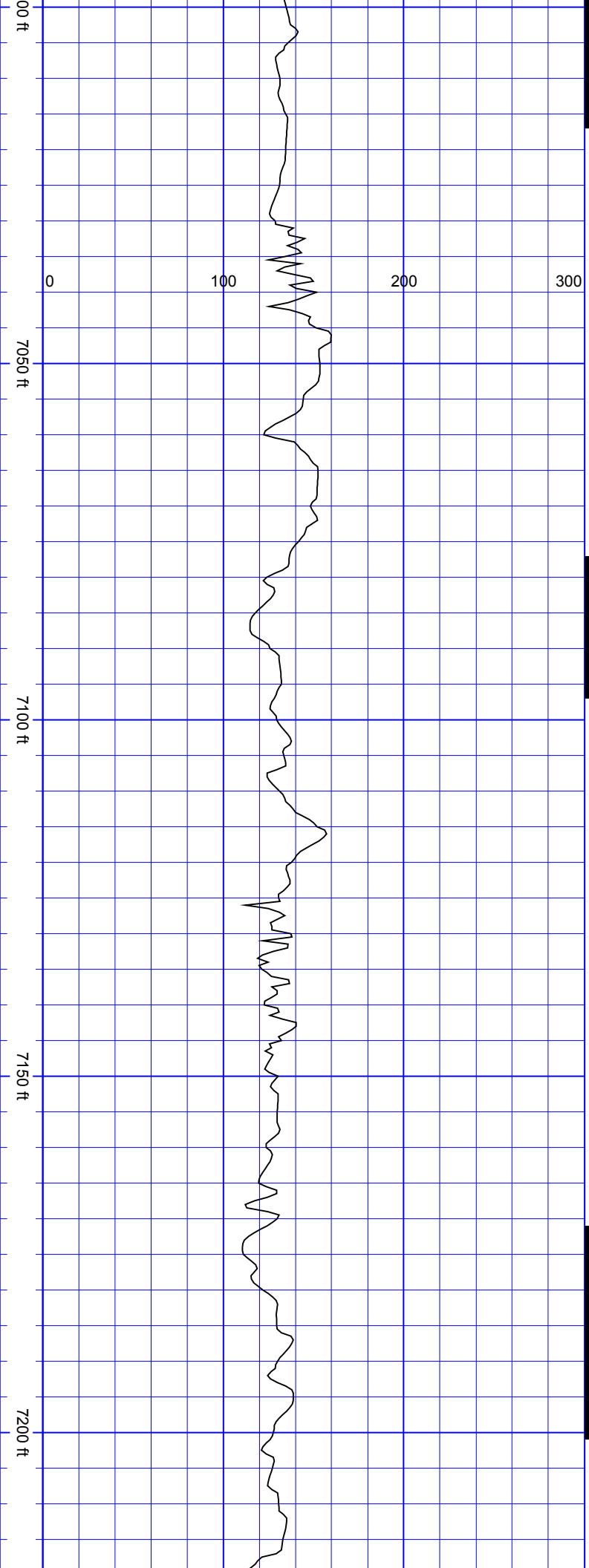
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0	200	400	600	
9000	6600	3000	0	



SurveyDepth:6827  
TVD:6084.62 Inc:30.67  
Azi:252.34  
VertSec:627.81

SurveyDepth:6922  
TVD:6165.79 Inc:31.95  
Azi:249.62  
VertSec:635.57

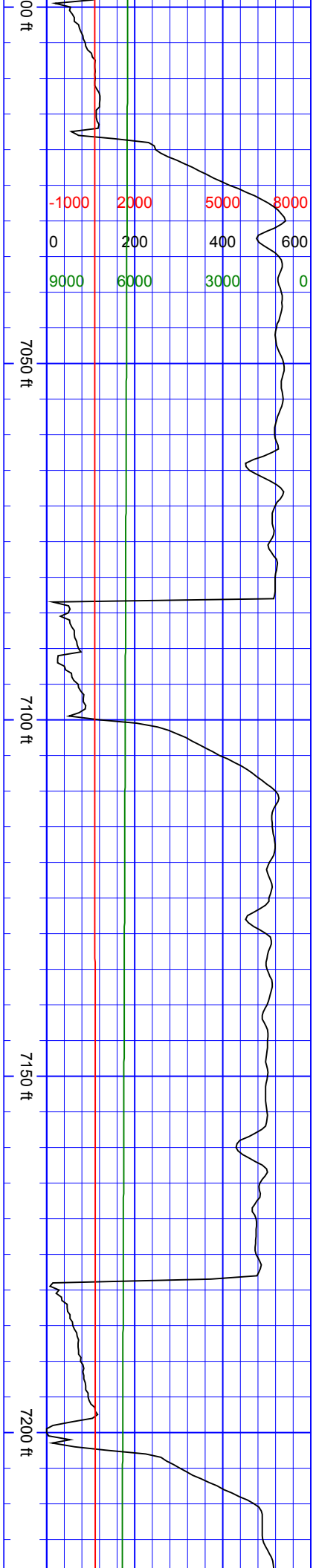




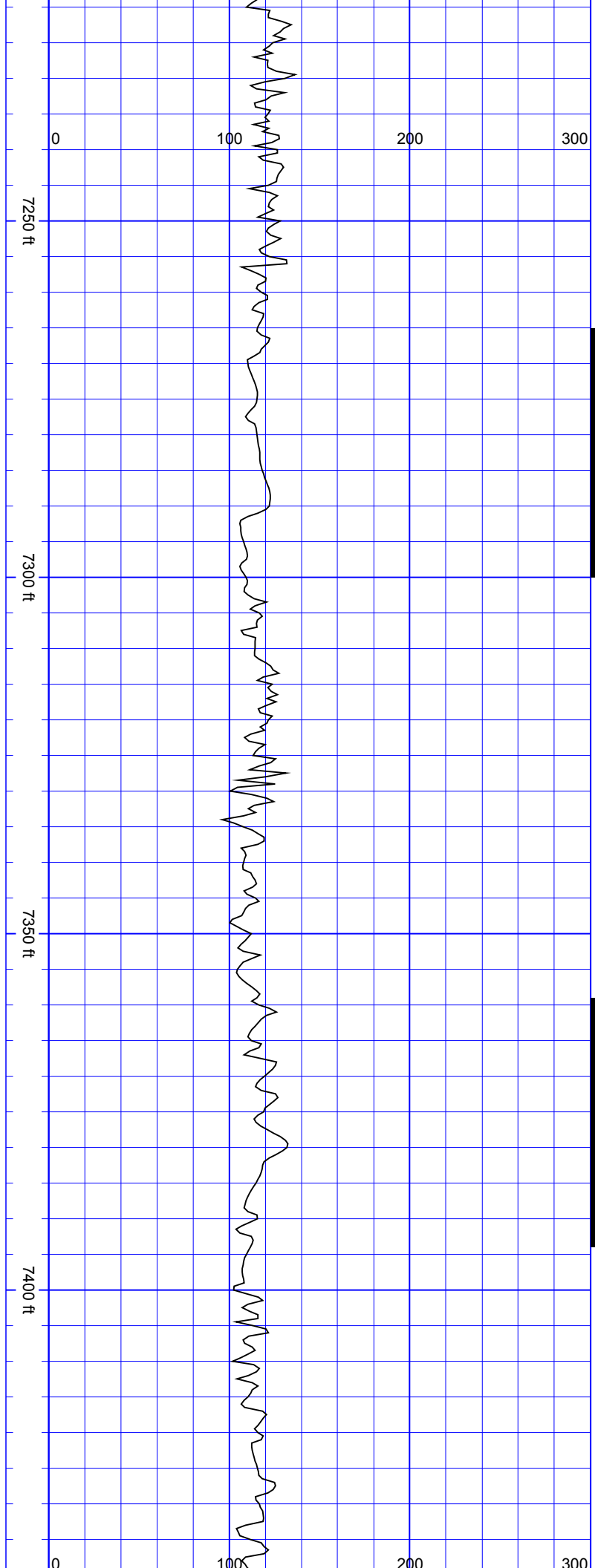
SurveyDepth:7017  
TVD:6245.87 Inc:33.14  
Azi:250.85  
VertSec:642.98

SurveyDepth:7111  
TVD:6325.34 Inc:31.42  
Azi:253.4  
VertSec:651.85

SurveyDepth:7205  
TVD:6405.9 Inc:30.63  
Azi:252.08  
VertSec:660.96



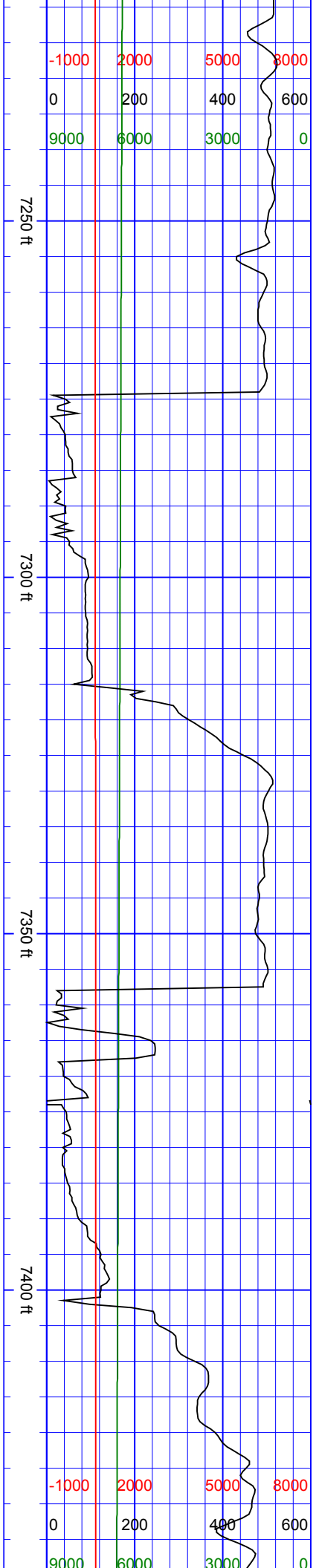


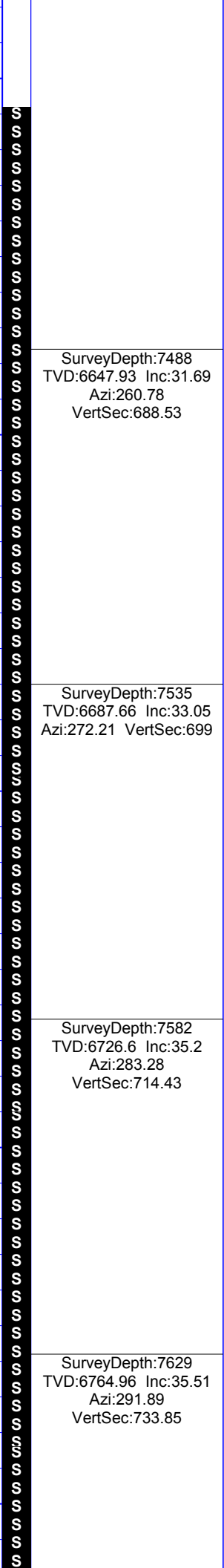
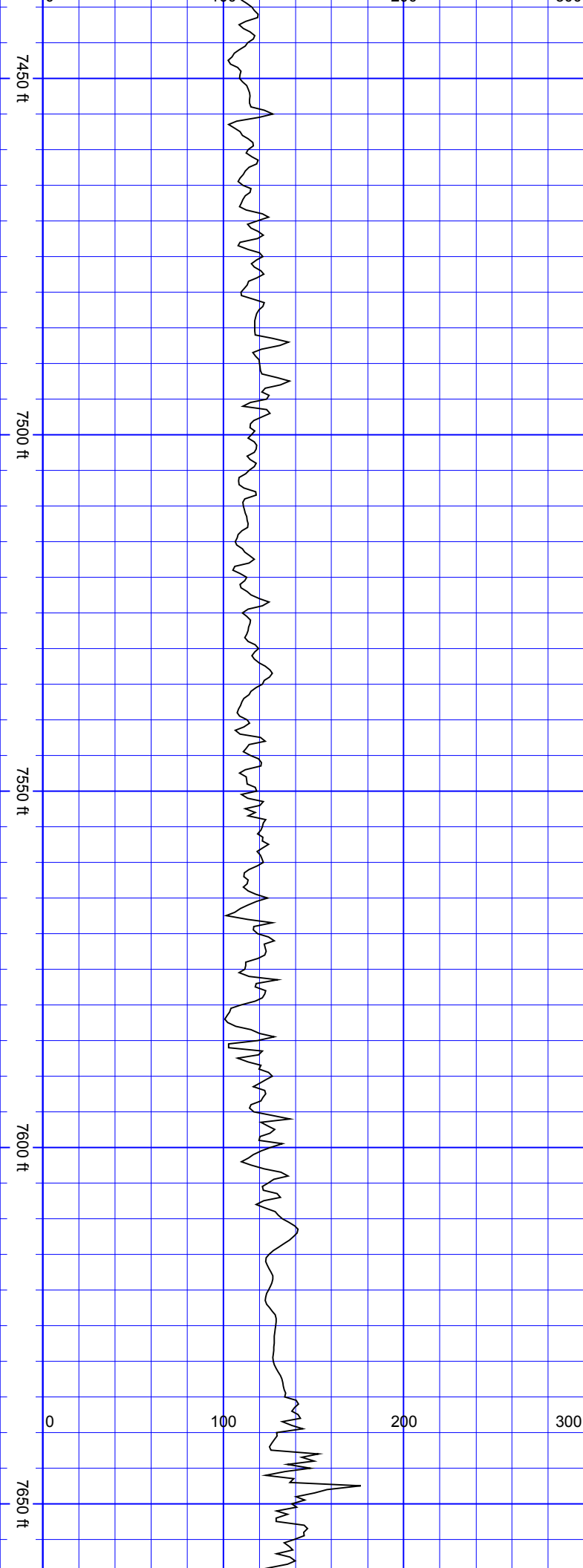


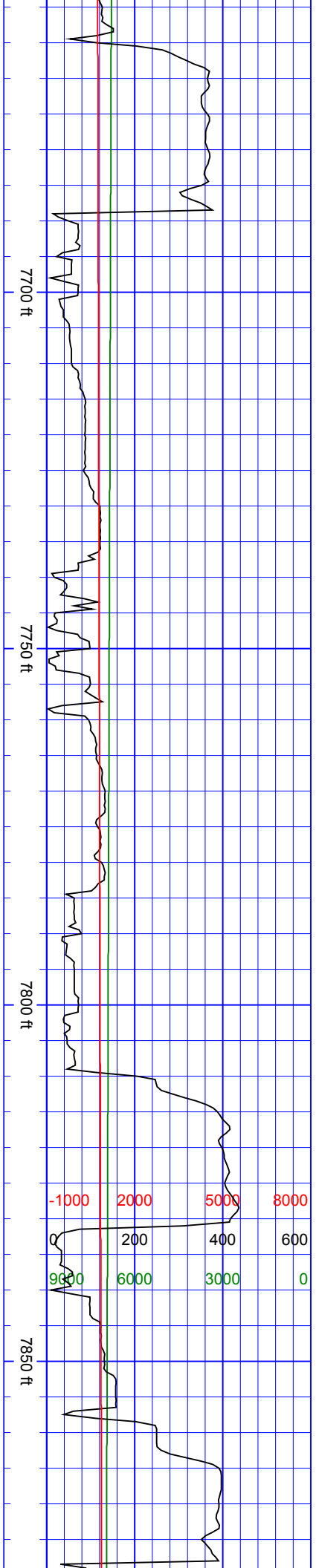
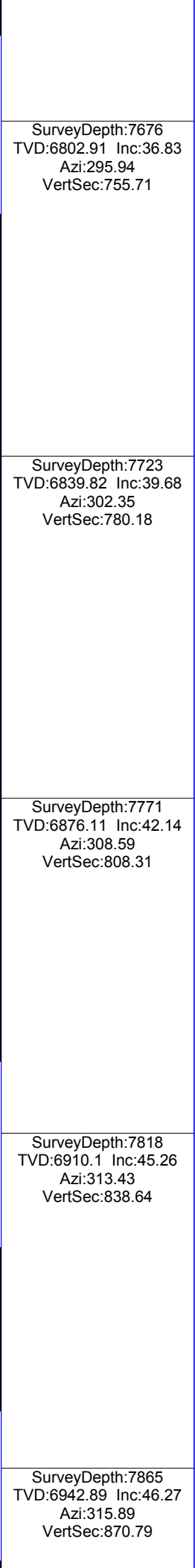
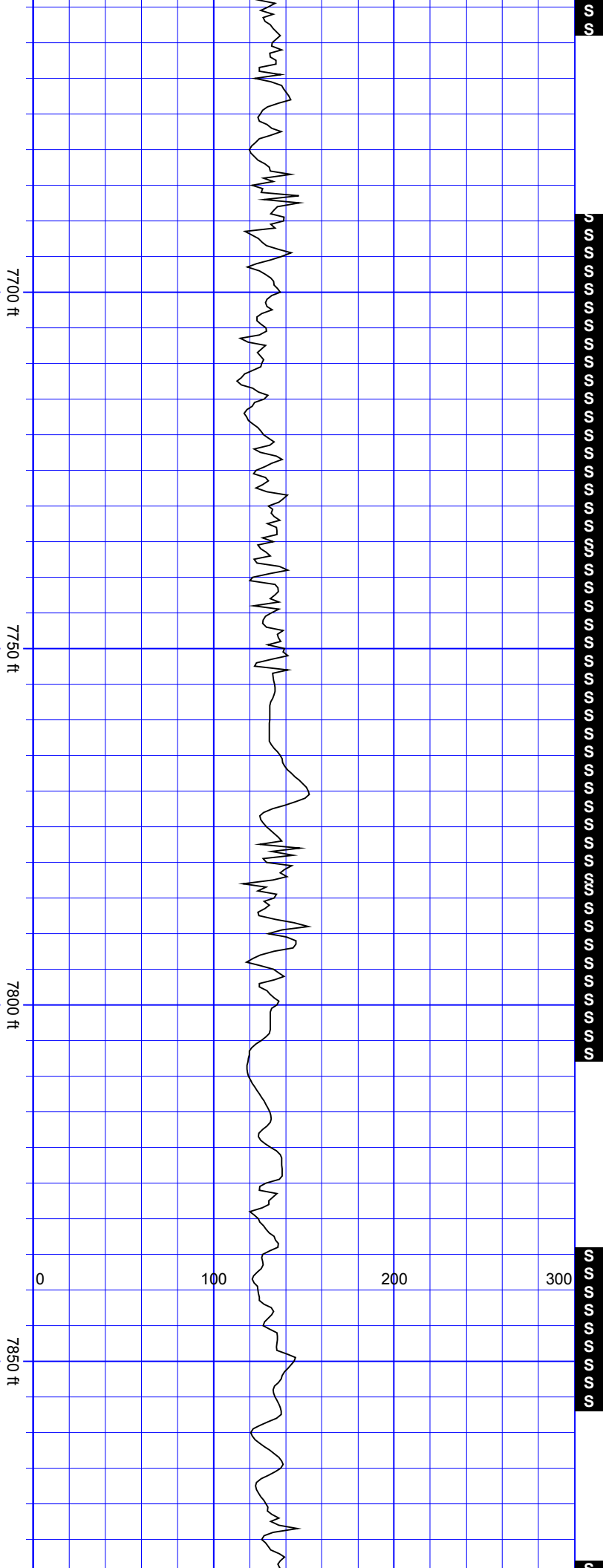
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TVD:6486.77 Inc:30.67  
Azi:249.44  
VertSec:668.33

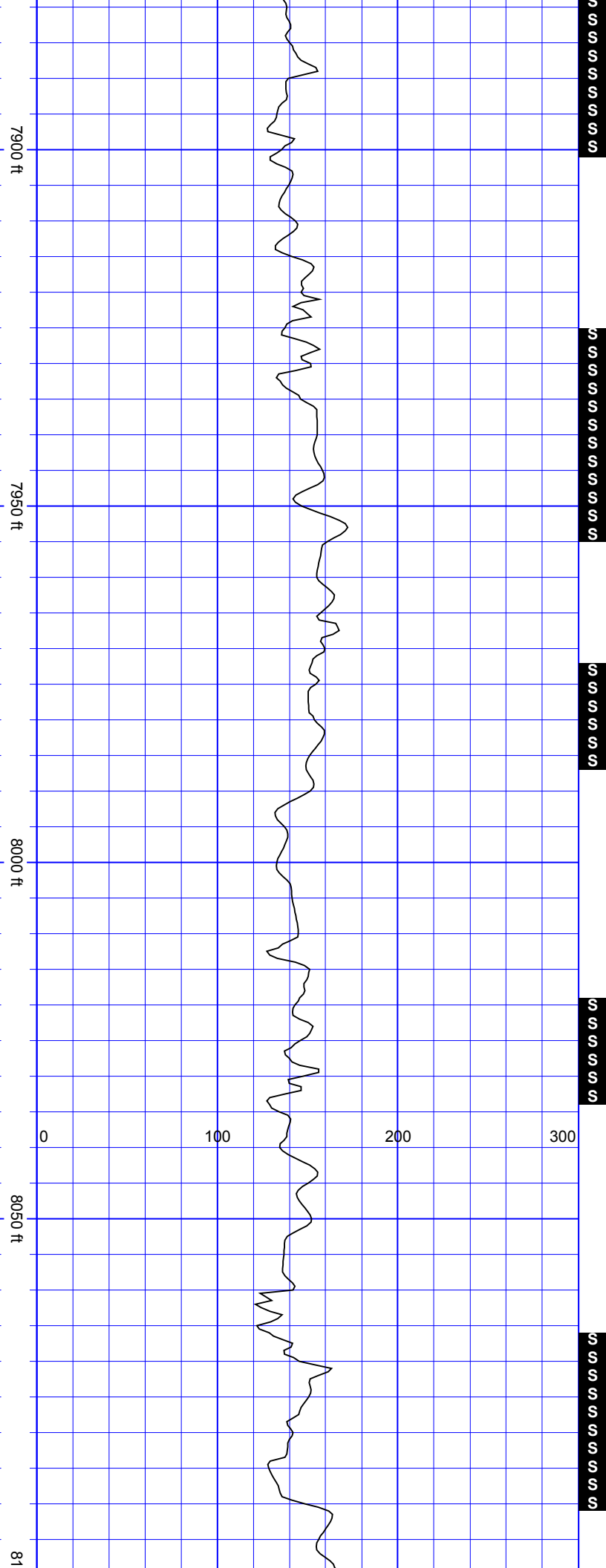


SurveyDepth:7394  
TVD:6567.97 Inc:31.86  
Azi:252.34  
VertSec:676.05









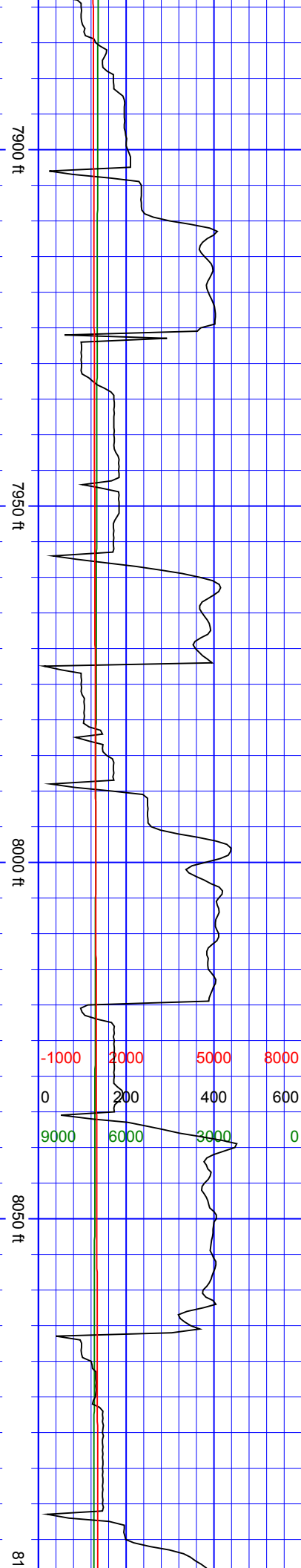
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TVD:6975.32 Inc:46.49  
Azi:321.25  
VertSec:903.88

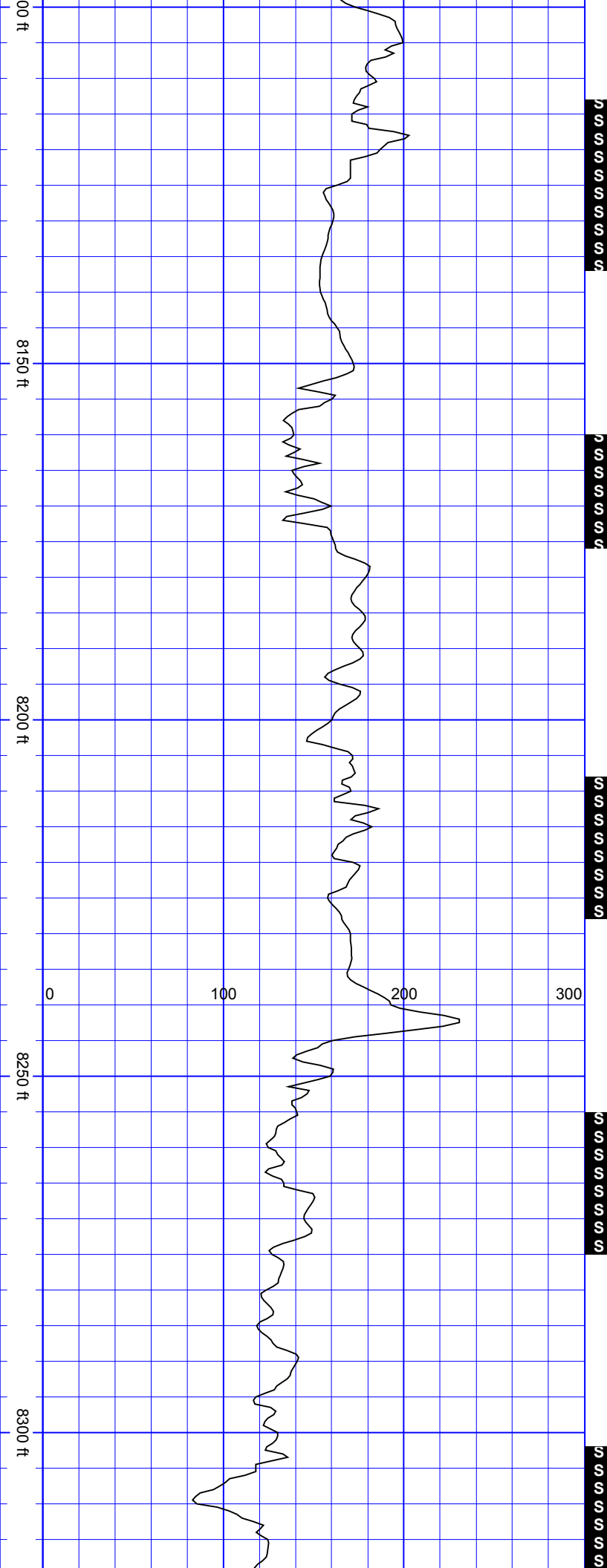
SurveyDepth:7959  
TVD:7007.12 Inc:48.38  
Azi:326.35  
VertSec:938.13

SurveyDepth:8006  
TVD:7038.6 Inc:47.55  
Azi:328.1  
VertSec:972.92

SurveyDepth:8053  
TVD:7070.33 Inc:47.51  
Azi:330.3  
VertSec:1007.54

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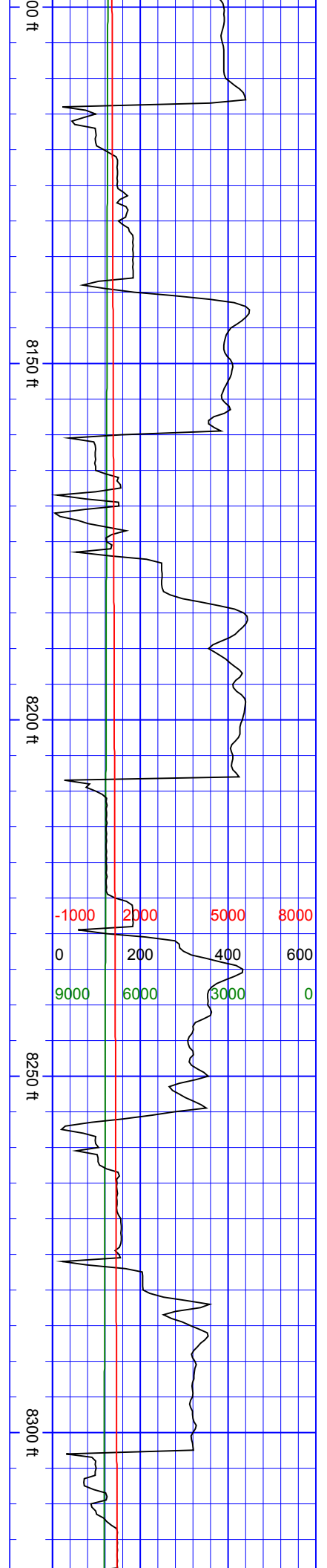
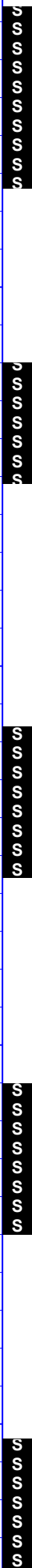
SurveyDepth:8100  
TVD:7101.4 Inc:49.75  
Azi:333.91  
VertSec:1042.8

SurveyDepth:8148  
TVD:7131.65 Inc:52.12  
Azi:336.01  
VertSec:1080.01

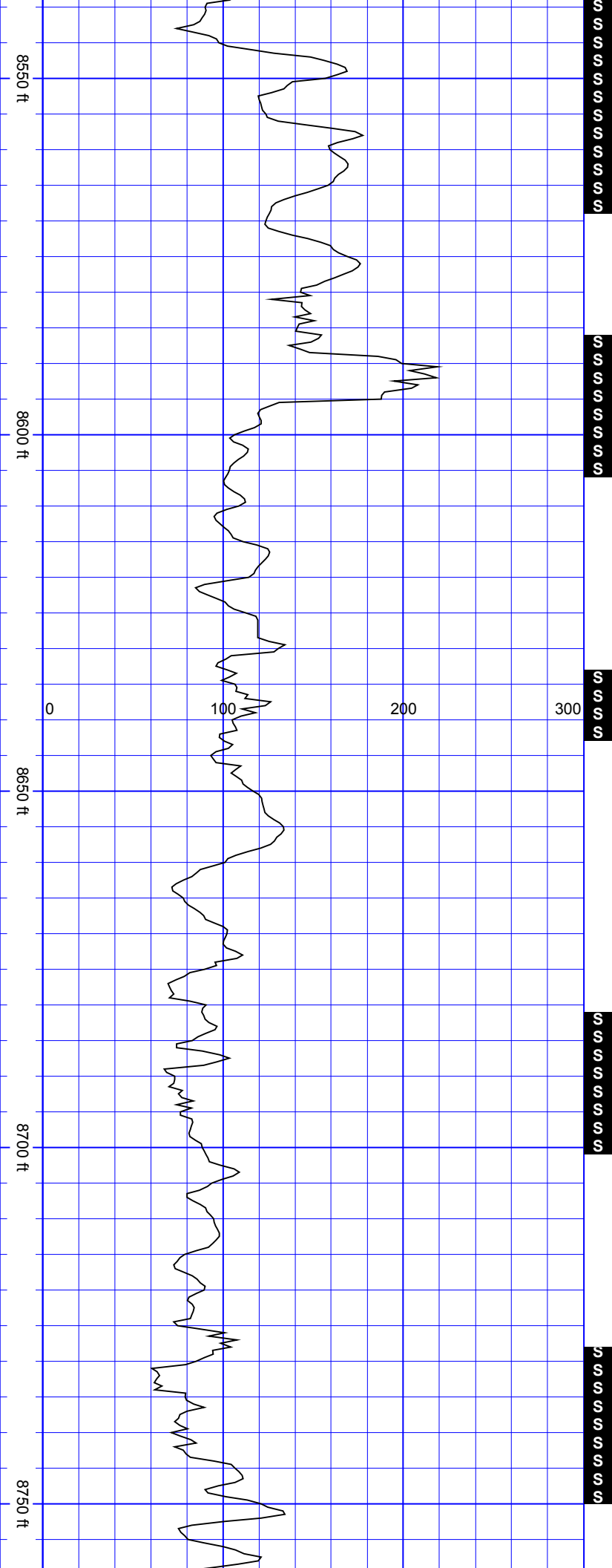
SurveyDepth:8195  
TVD:7160.38 Inc:52.52  
Azi:337.86  
VertSec:1117.06

SurveyDepth:8242  
TVD:7188.34 Inc:54.49  
Azi:340.76  
VertSec:1154.52

SurveyDepth:8289  
TVD:7214.89 Inc:56.69  
Azi:341.82  
VertSec:1192.77





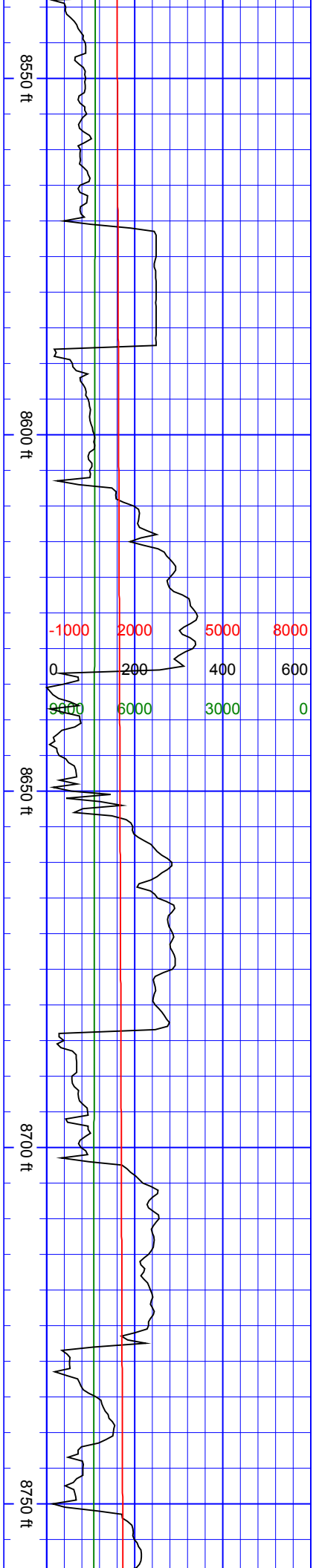


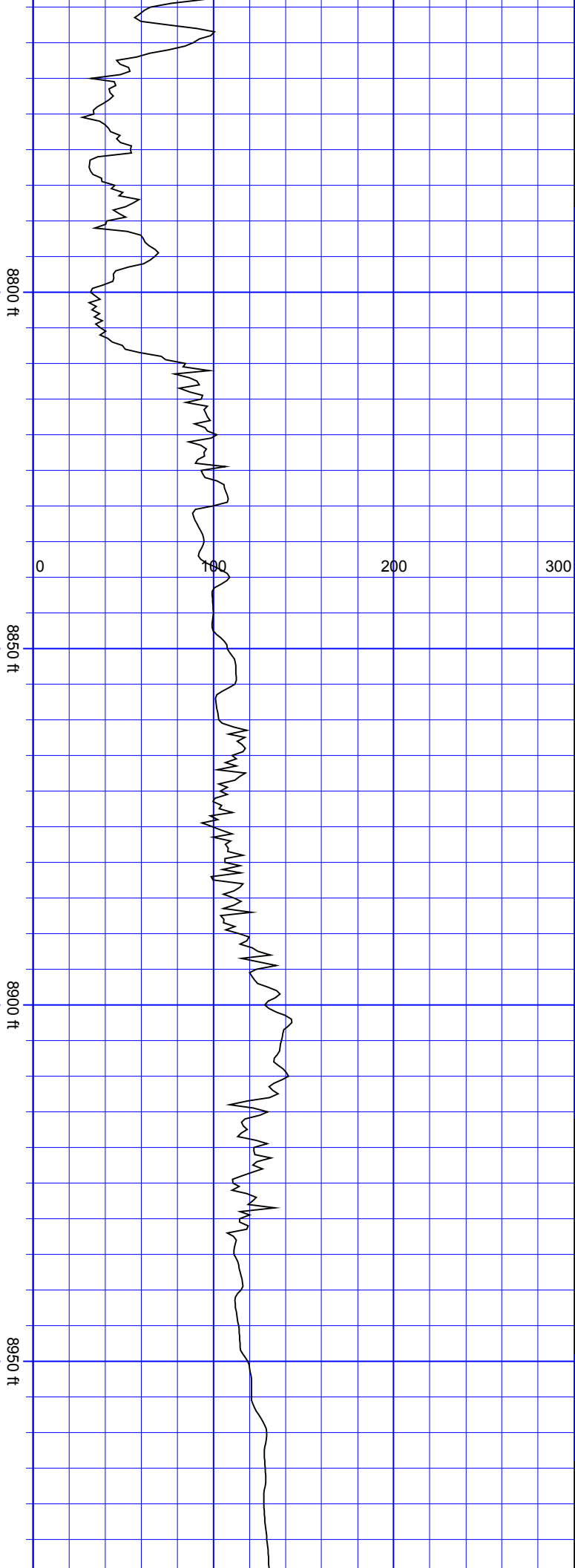
SurveyDepth:8573  
TVD:7345.25 Inc:72.11  
Azi:352.27  
VertSec:1436.46

SurveyDepth:8621  
TVD:7359.06 Inc:74.44  
Azi:352.27  
VertSec:1479.55

SurveyDepth:8668  
TVD:7371.56 Inc:74.71  
Azi:353.15  
VertSec:1521.9

SurveyDepth:8715  
TVD:7382.91 Inc:77.34  
Azi:354.38  
VertSec:1564.23





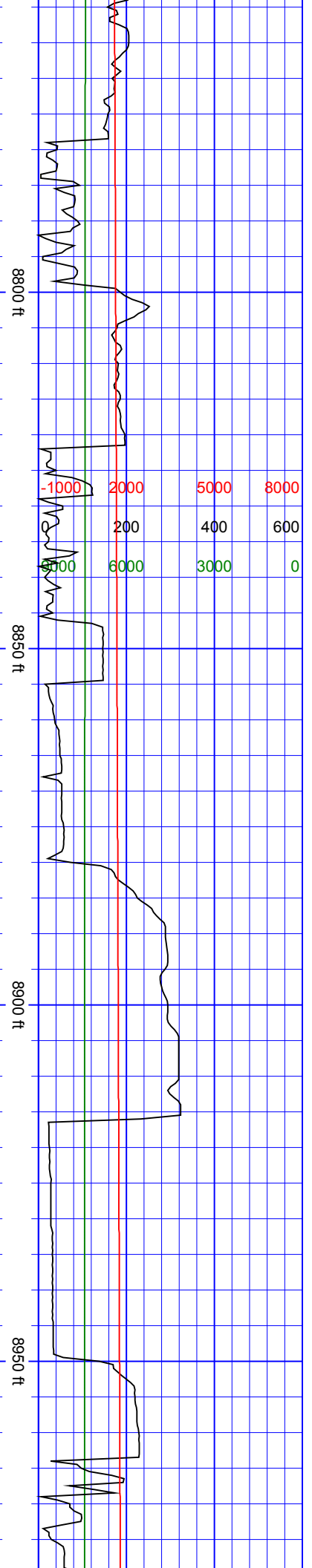
SurveyDepth:8762  
TVD:7392.86 Inc:78.22  
Azi:356.23  
VertSec:1606.39

SurveyDepth:8809  
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Azi:357.64  
VertSec:1648.14

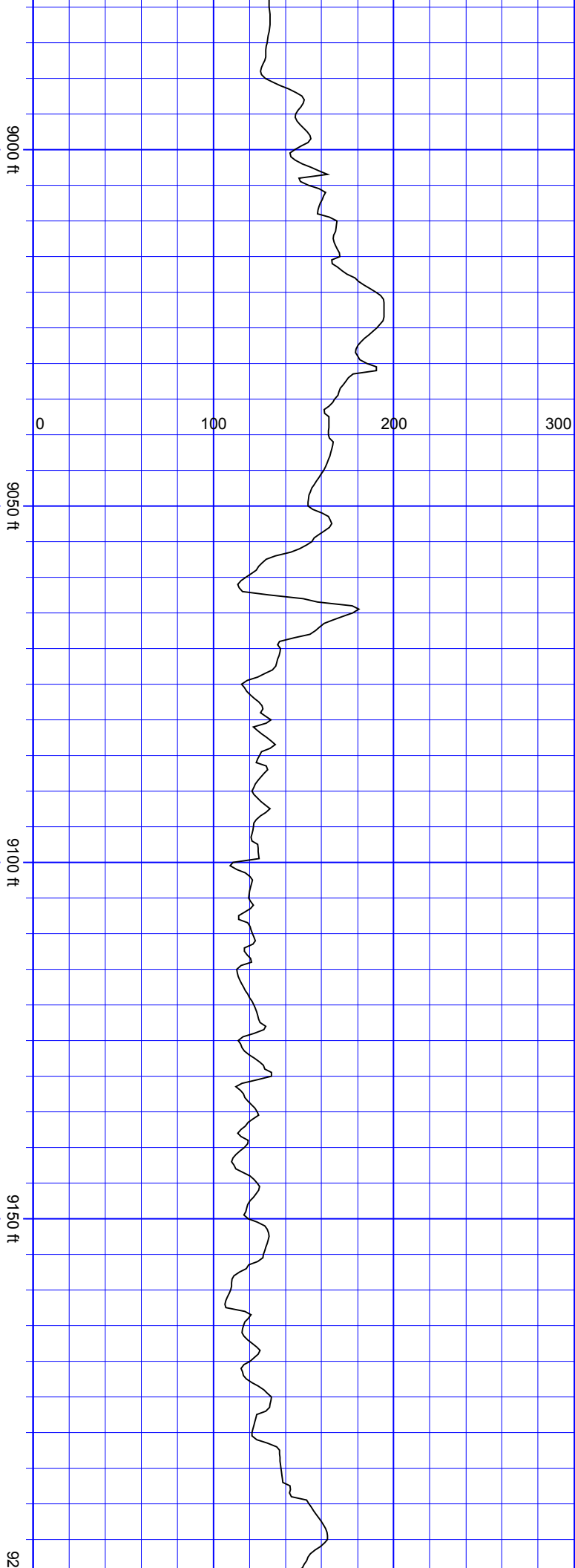
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TVD:7410.27 Inc:80.9  
Azi:357.28  
VertSec:1689.9

SurveyDepth:8904  
TVD:7416.93 Inc:83.15  
Azi:359.04  
VertSec:1732.53

SurveyDepth:8951  
TVD:7420.67 Inc:87.72  
Azi:1.33  
VertSec:1773.77



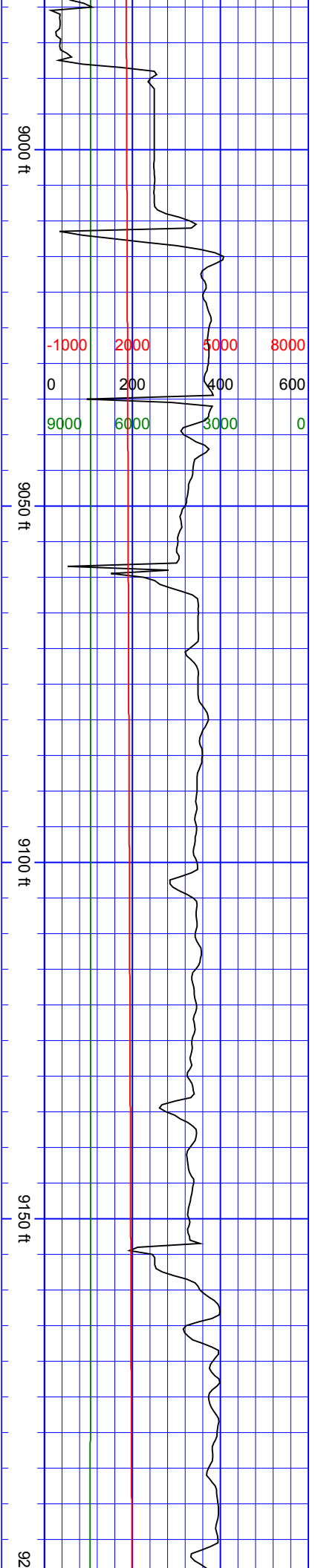


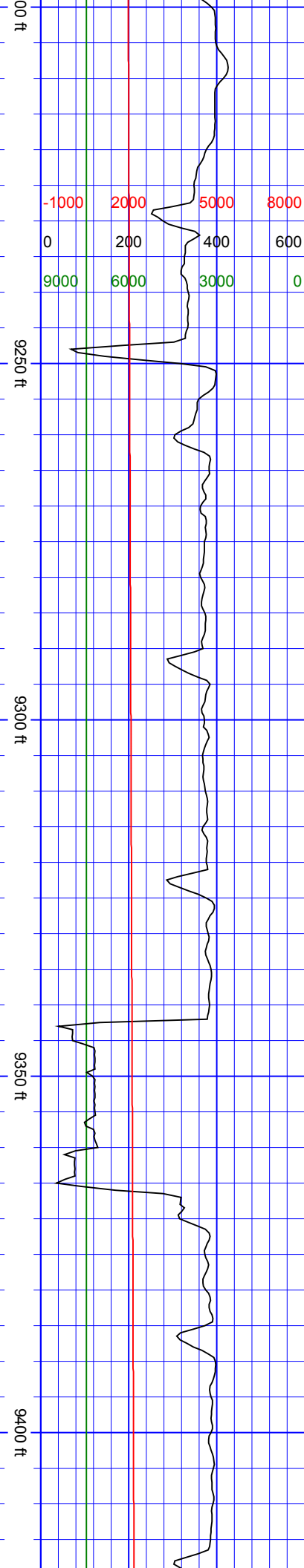


SurveyDepth:8998  
TVD:7422.19 Inc:88.55  
Azi:0.18  
VertSec:1814.92

SurveyDepth:9093  
TVD:7424.52 Inc:88.64  
Azi:0.01  
VertSec:1898.63

SurveyDepth:9187  
TVD:7427.19 Inc:88.11  
Azi:359.57  
VertSec:1981.68

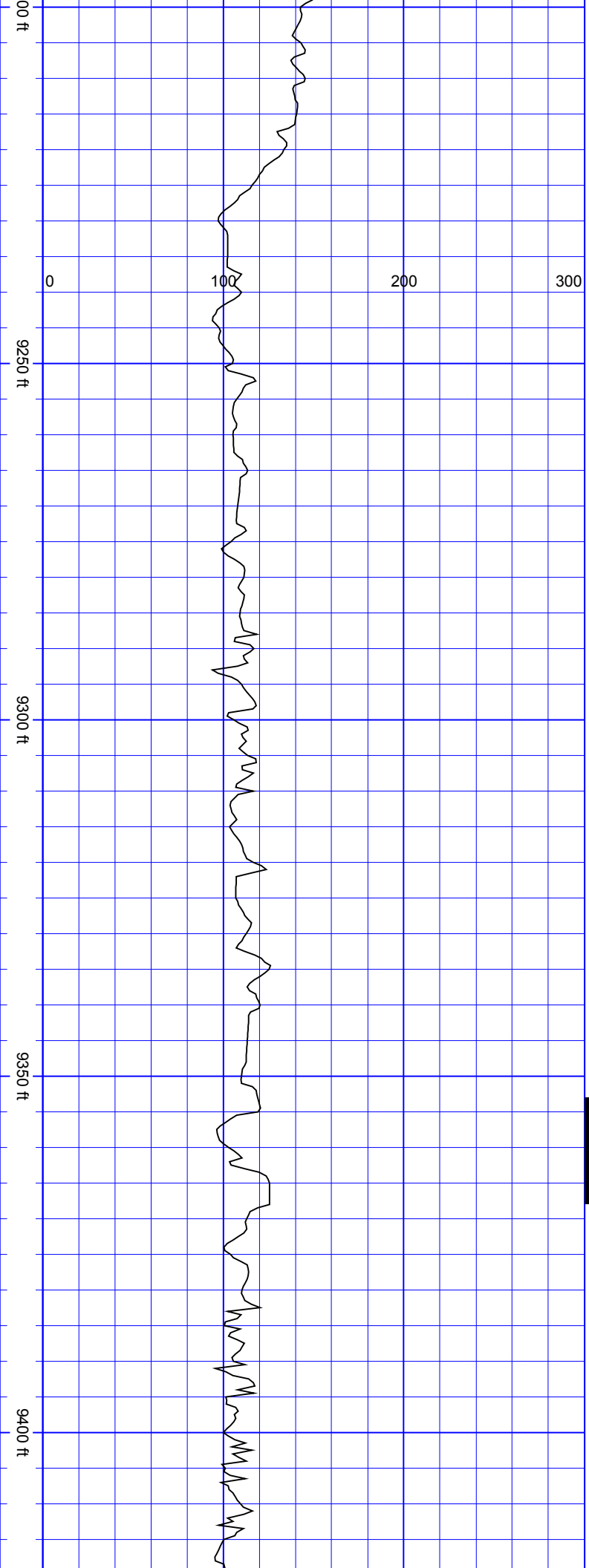


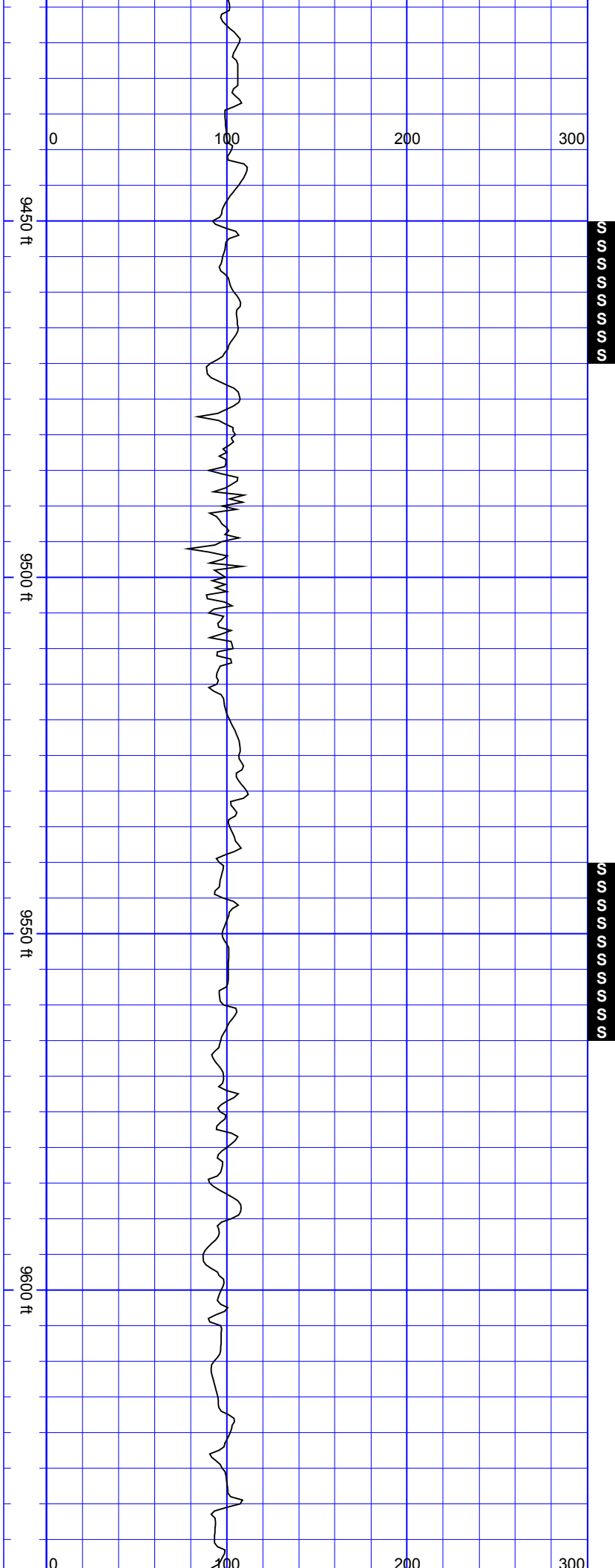


SurveyDepth:9282  
TVD:7430.22 Inc:88.24  
Azi:359.75  
VertSec:2065.71

SSSSSS

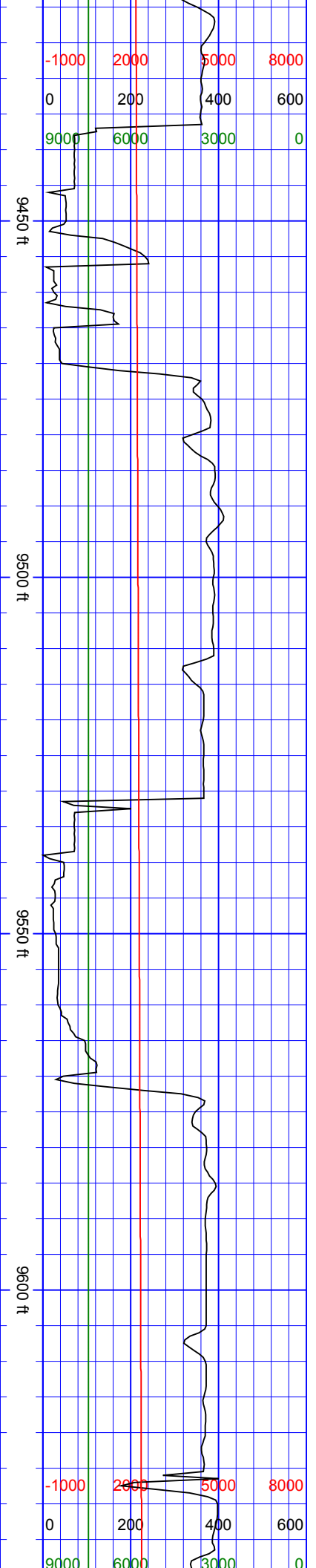
SurveyDepth:9376  
TVD:7433.14 Inc:88.2  
Azi:359.66  
VertSec:2148.83

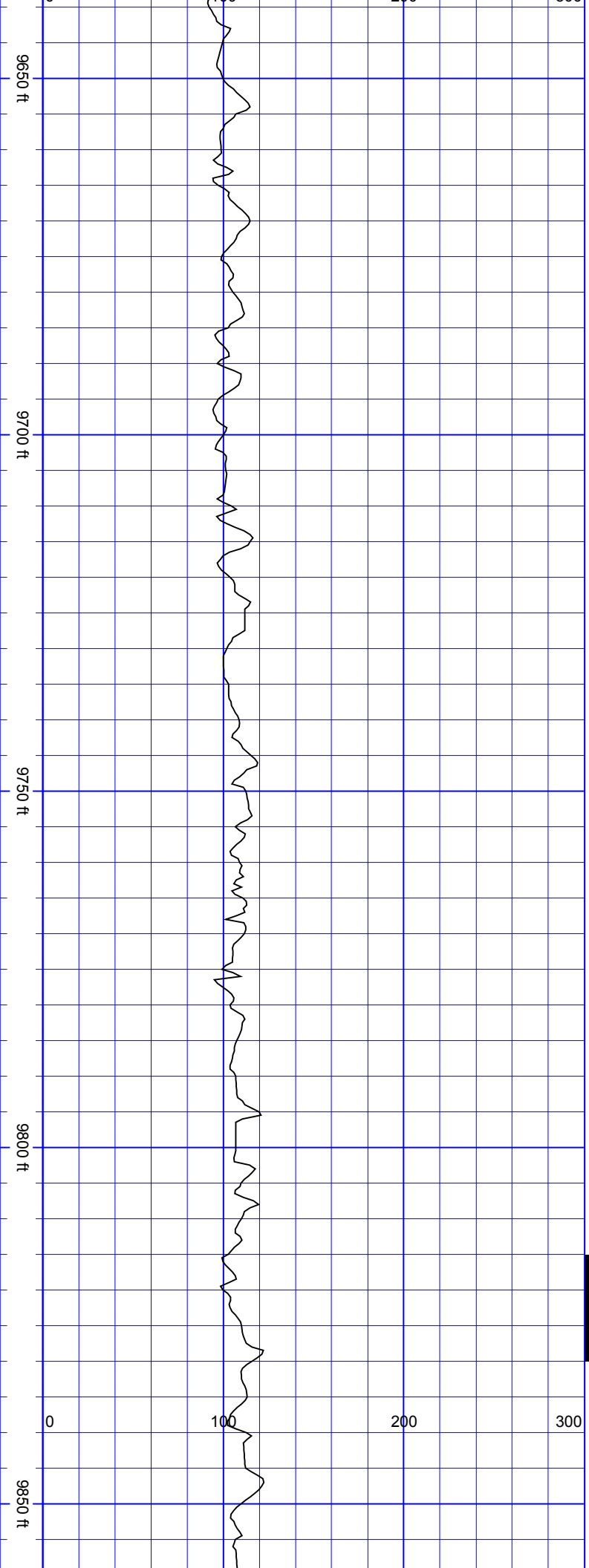




SurveyDepth:9471  
TVD:7435.65 Inc:88.77  
Azi:0.54  
VertSec:2232.53

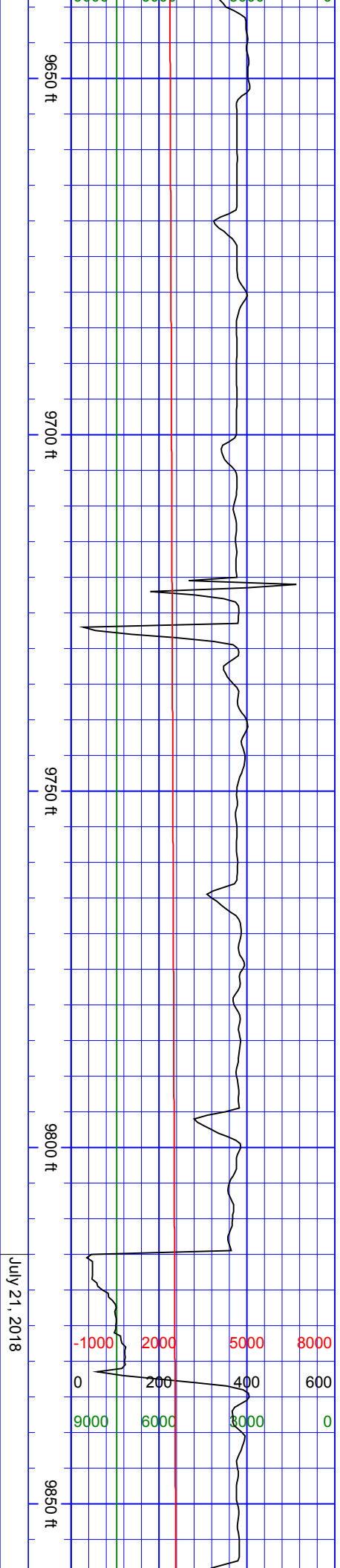
SurveyDepth:9566  
TVD:7436.15 Inc:90.62  
Azi:358.69  
VertSec:2316.63



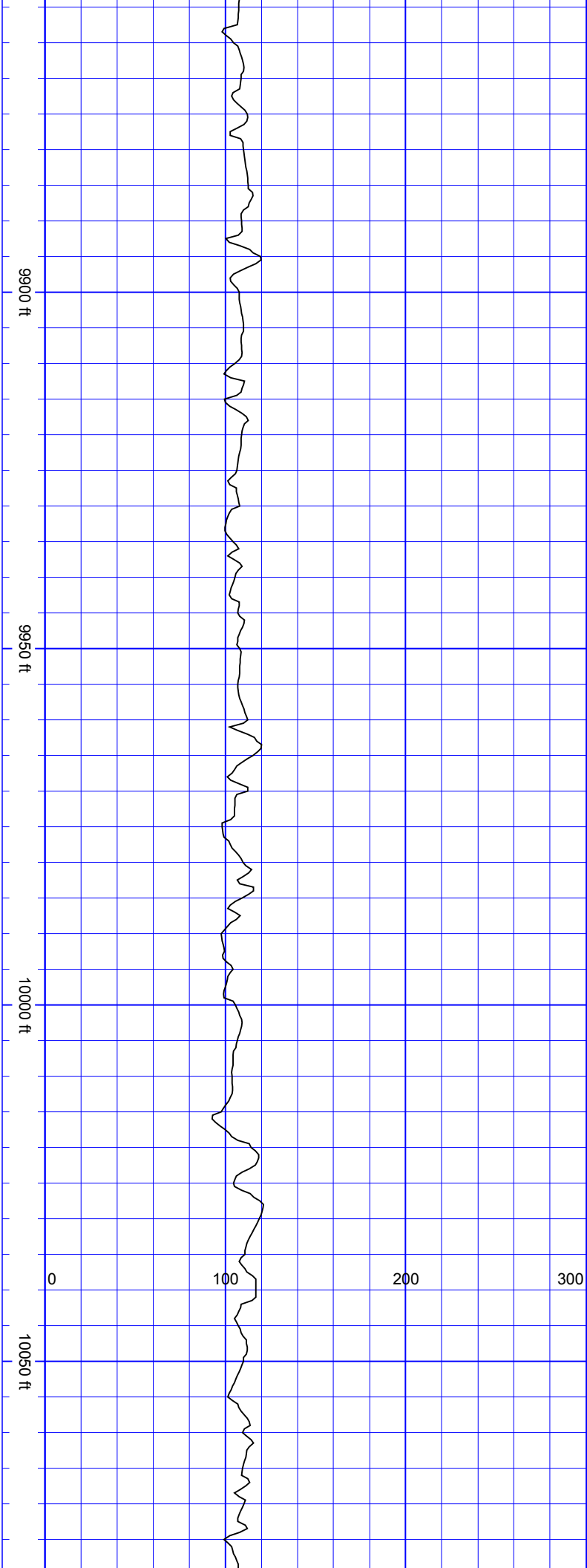


SurveyDepth:9755  
TVD:7432.74 Inc:91.45  
Azi:359.57  
VertSec:2484.67

SurveyDepth:9849  
TVD:7430.54 Inc:91.23  
Azi:357.37  
VertSec:2568.72

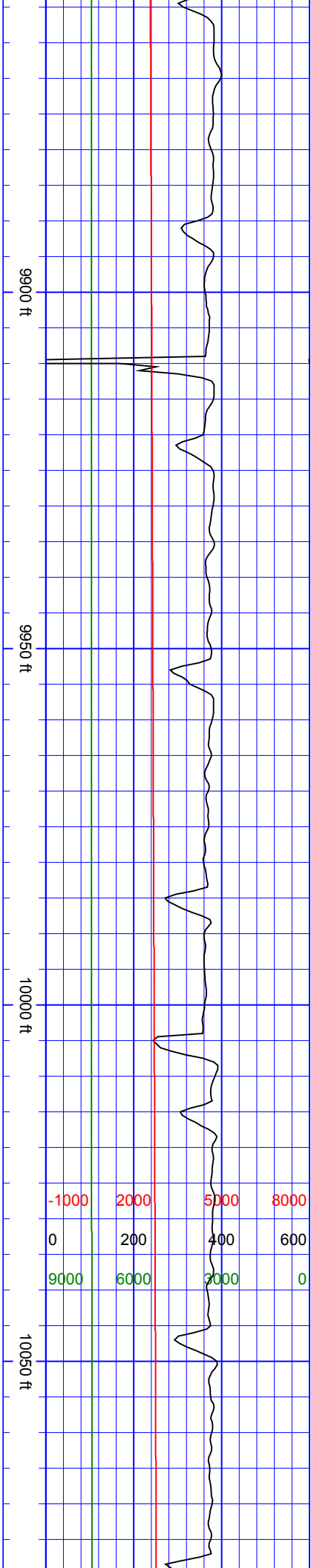


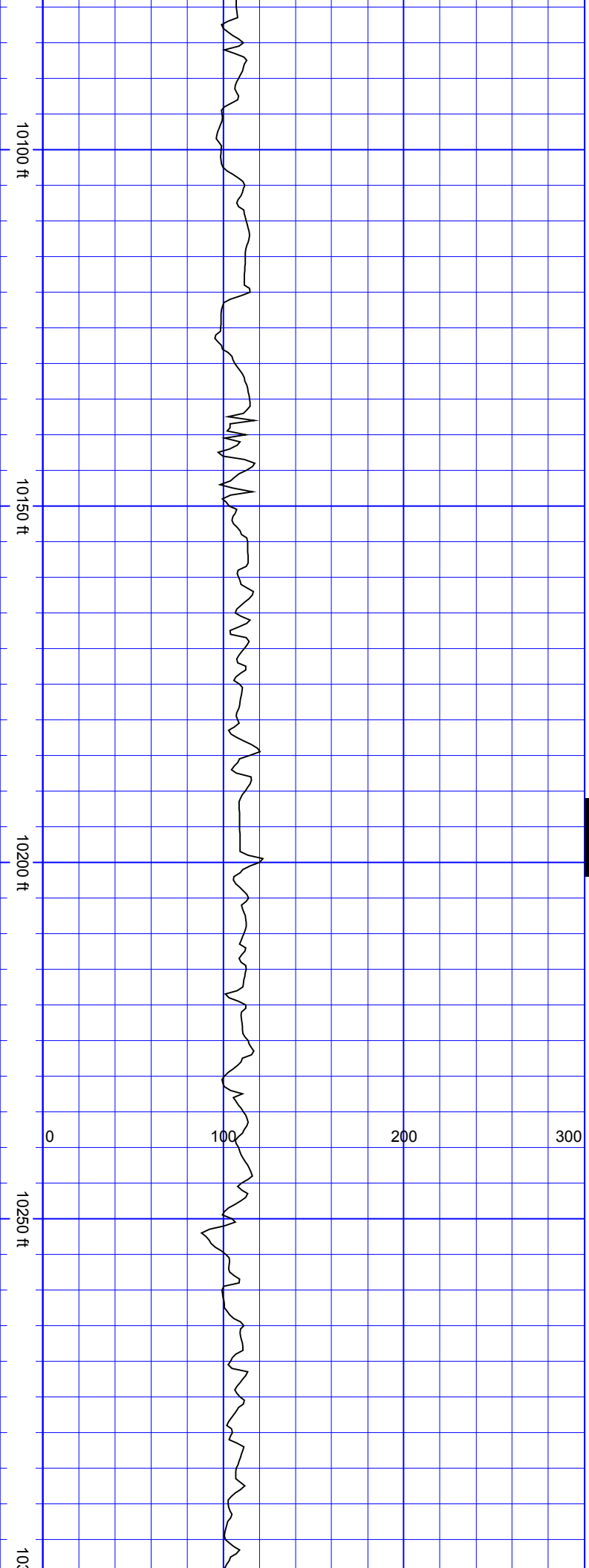
July 21, 2018



SurveyDepth:9943  
TVD:7428.52 Inc:91.23  
Azi:357.55  
VertSec:2653.51

SurveyDepth:10037  
TVD:7426.94 Inc:90.7  
Azi:358.08  
VertSec:2738.05

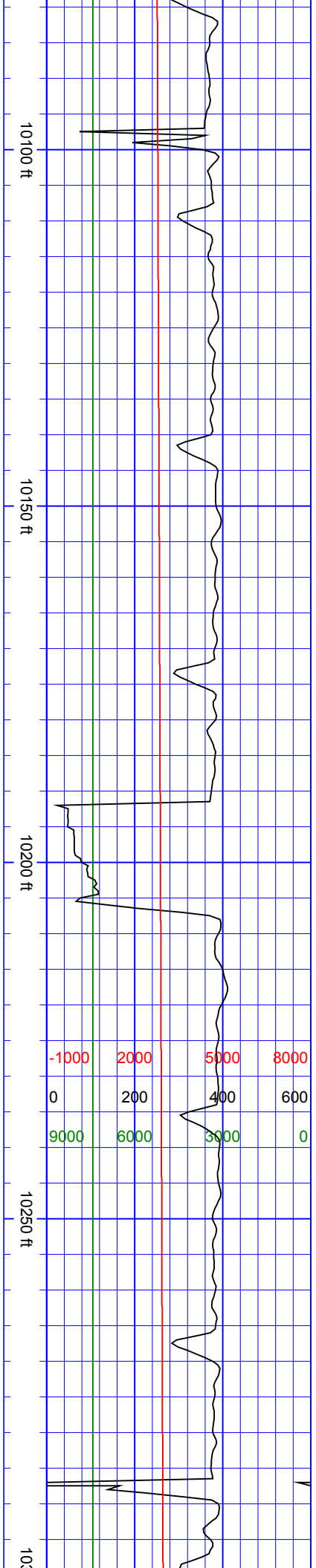


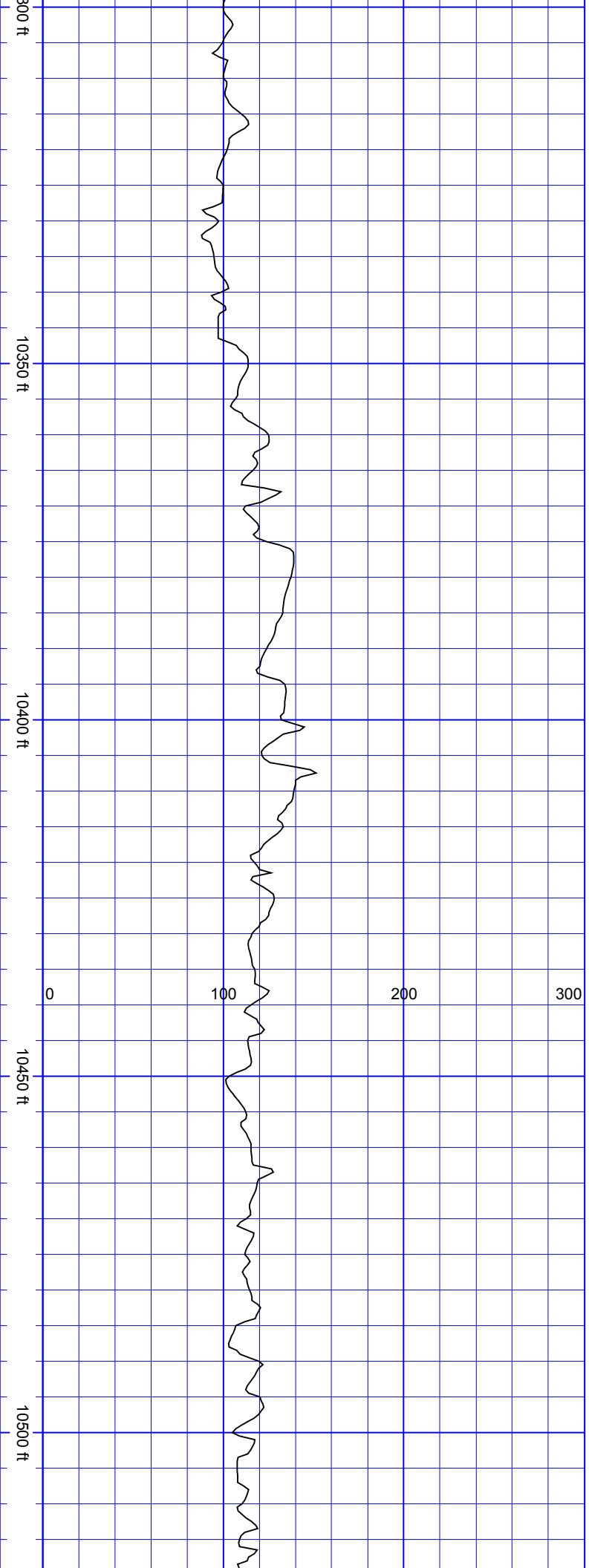


SurveyDepth:10131  
TVD:7426.36 Inc:90  
Azi:358.08  
VertSec:2822.41

SurveyDepth:10226  
TVD:7425.31 Inc:91.27  
Azi:357.64  
VertSec:2907.83

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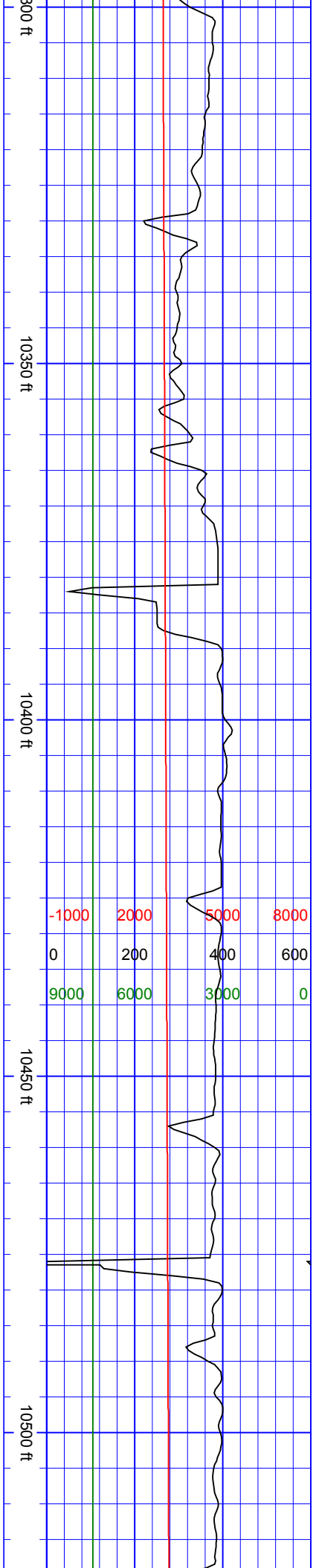




SurveyDepth:10321  
TVD:7423.38 Inc:91.06  
Azi:357.2  
VertSec:2993.55

SurveyDepth:10416  
TVD:7421.59 Inc:91.1  
Azi:358.34  
VertSec:3079.02

SurveyDepth:10510  
TVD:7420.22 Inc:90.57  
Azi:358.16  
VertSec:3163.25



VertSec:3165.25

10550 ft

10600 ft

10650 ft

10700 ft

0 100 200 300

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SurveyDepth:10604  
TVD:7418.2 Inc:91.89  
Azi:359.04  
VertSec:3247.21

SurveyDepth:10699  
TVD:7415.51 Inc:91.36  
Azi:0.01  
VertSec:3331.36

10550 ft

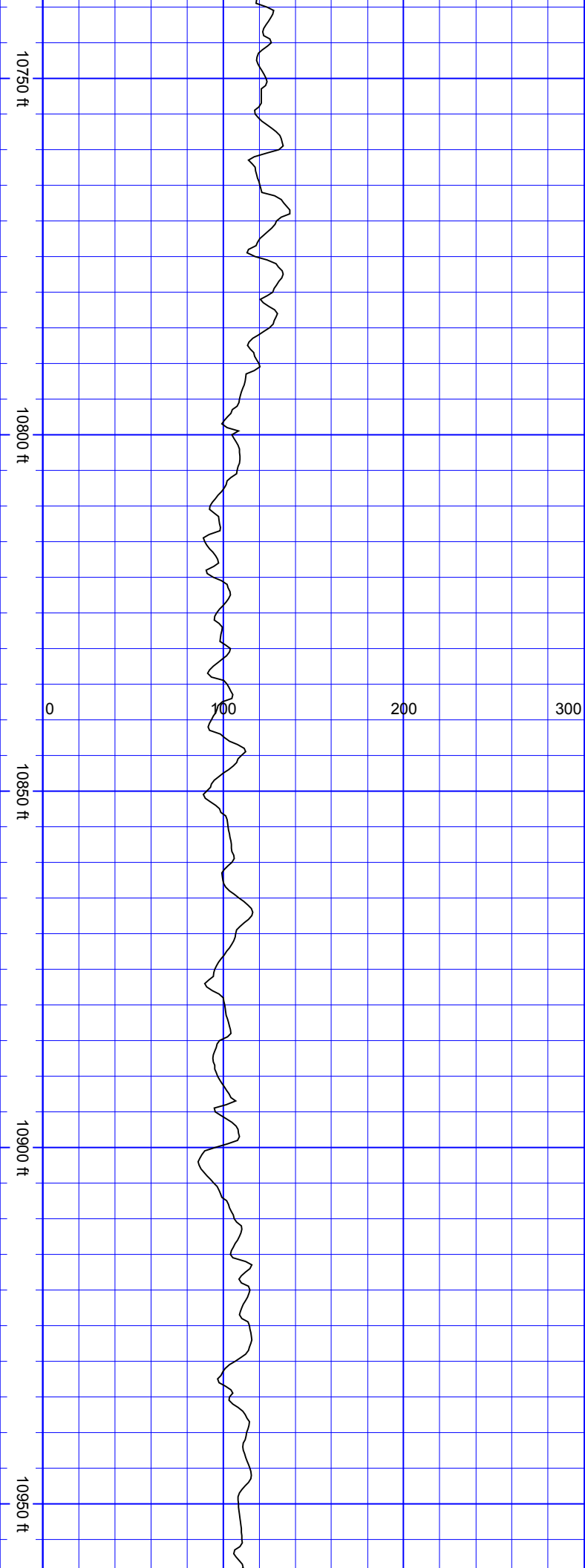
10600 ft

10650 ft

10700 ft

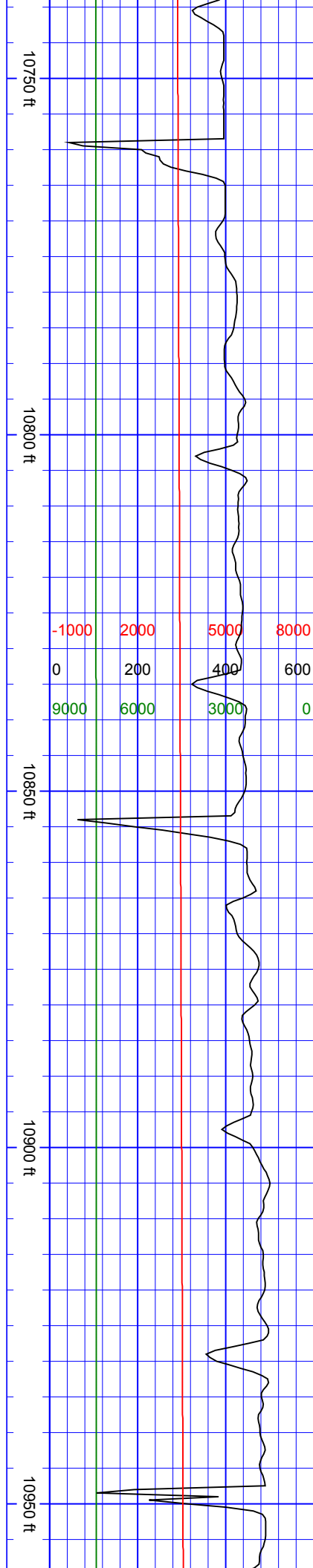
-1000	2000	5000	8000
0	200	400	600
9000	6000	3000	0

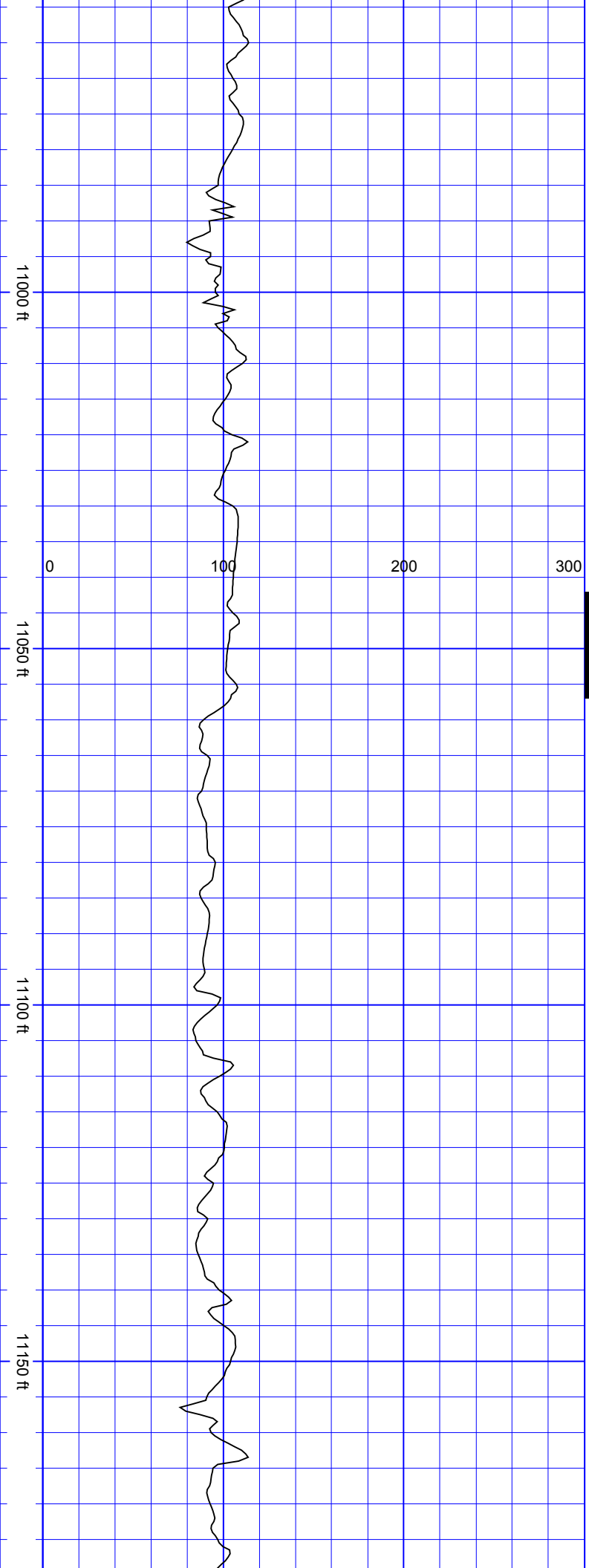




SurveyDepth:10793  
TVD:7412.51 Inc:92.29  
Azi:0.45  
VertSec:3414.06

SurveyDepth:10887  
TVD:7408.62 Inc:92.46  
Azi:1.06  
VertSec:3496.33

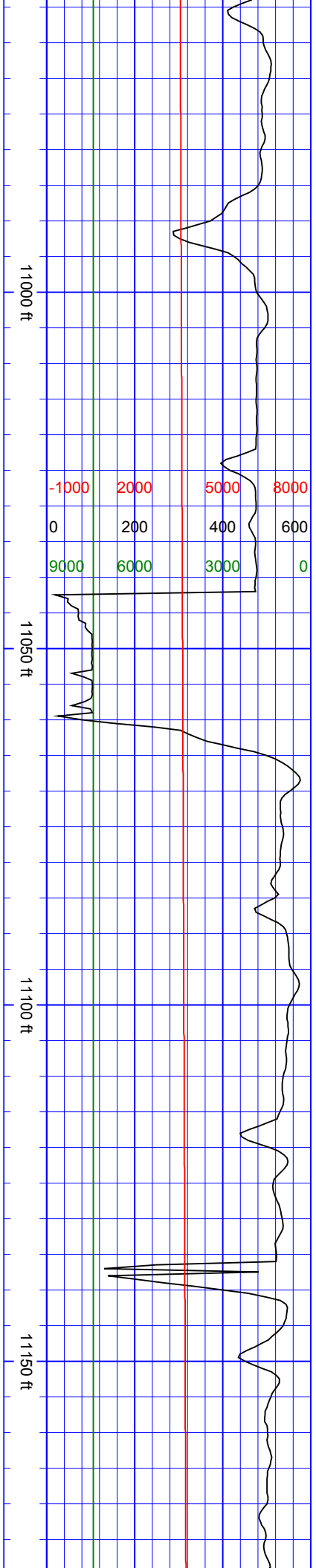


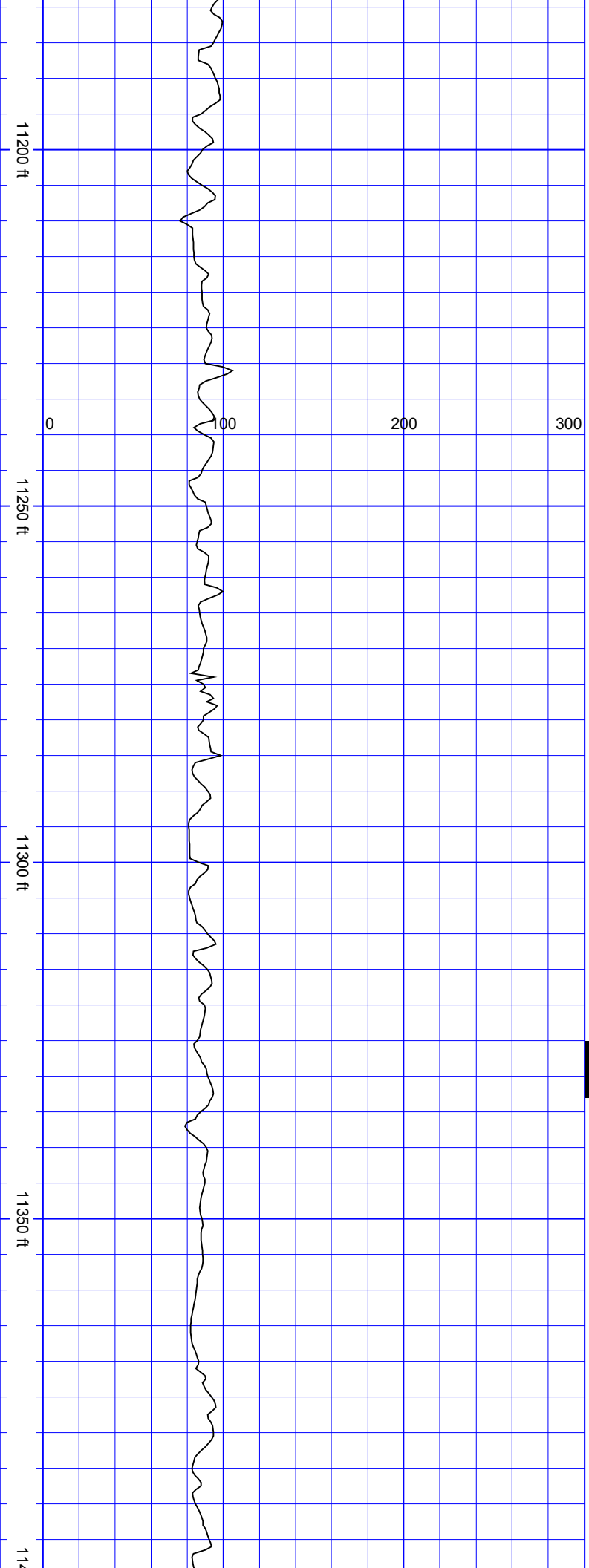


SurveyDepth:10982  
TVD:7404.39 Inc:92.64  
Azi:0.54  
VertSec:3579.42

SurveyDepth:11076  
TVD:7401.58 Inc:90.79  
Azi:0.8 VertSec:3661.79

SurveyDepth:11171  
TVD:7400.12 Inc:90.97  
Azi:0.62





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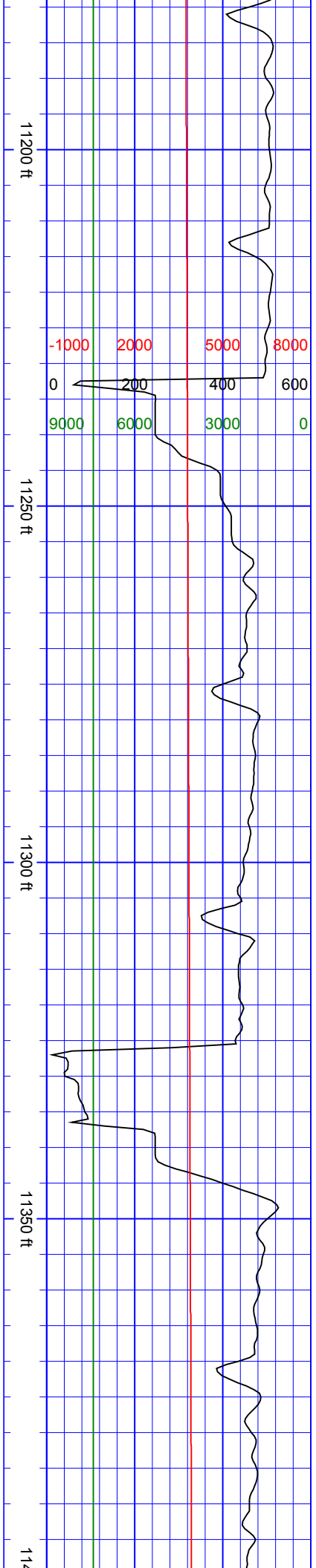
VertSec:3745.03

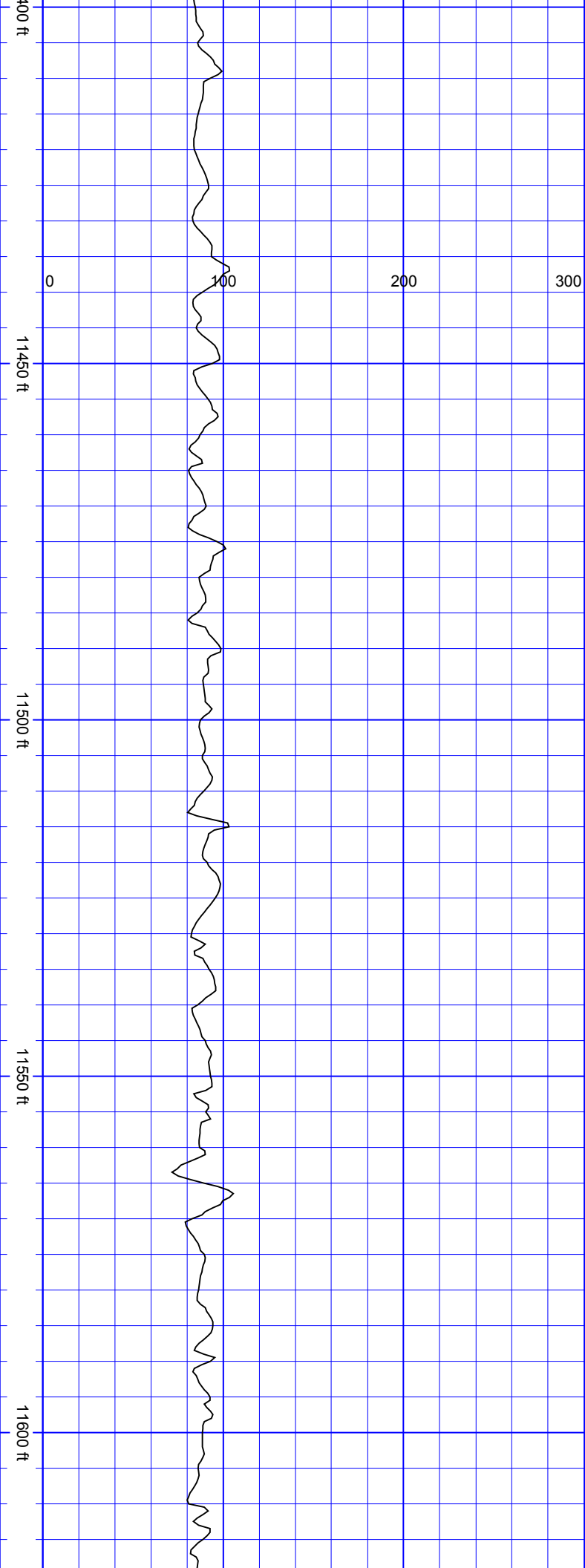
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SurveyDepth:11265  
TVD:7397.92 Inc:91.71  
Azi:1.33  
VertSec:3827.16

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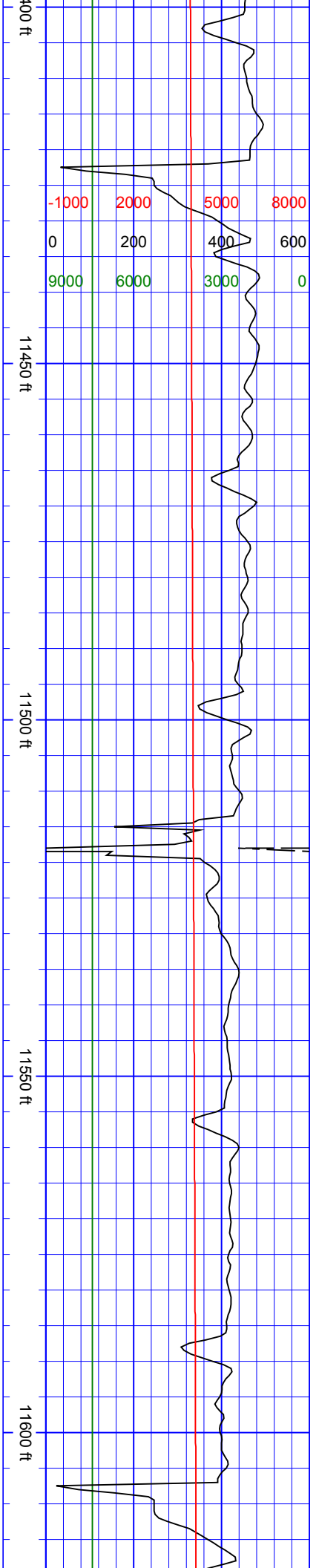
SurveyDepth:11360  
TVD:7396.25 Inc:90.31  
Azi:359.83  
VertSec:3910.5

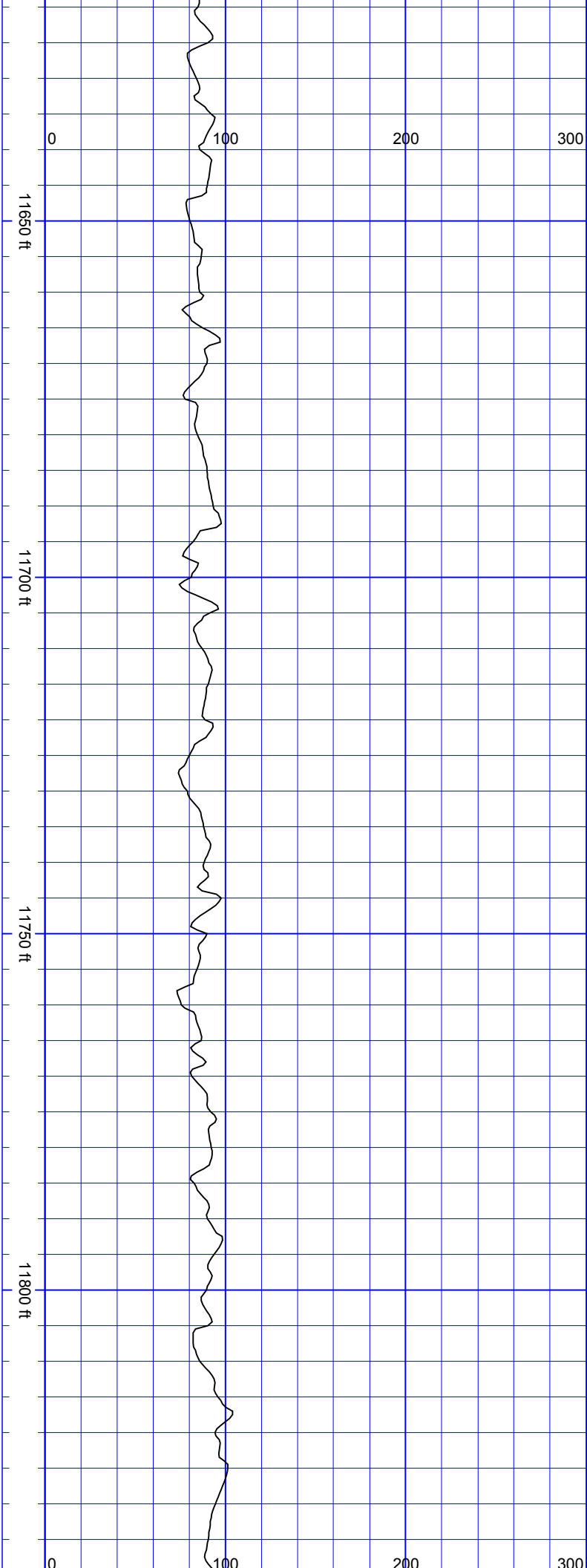




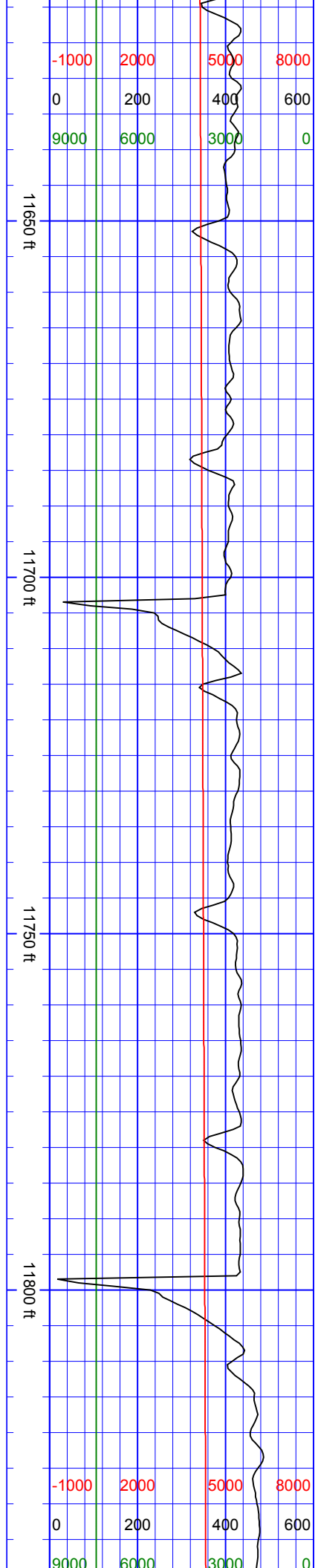
SurveyDepth:11454  
TVD:7395.92 Inc:90.09  
Azi:359.48  
VertSec:3993.69

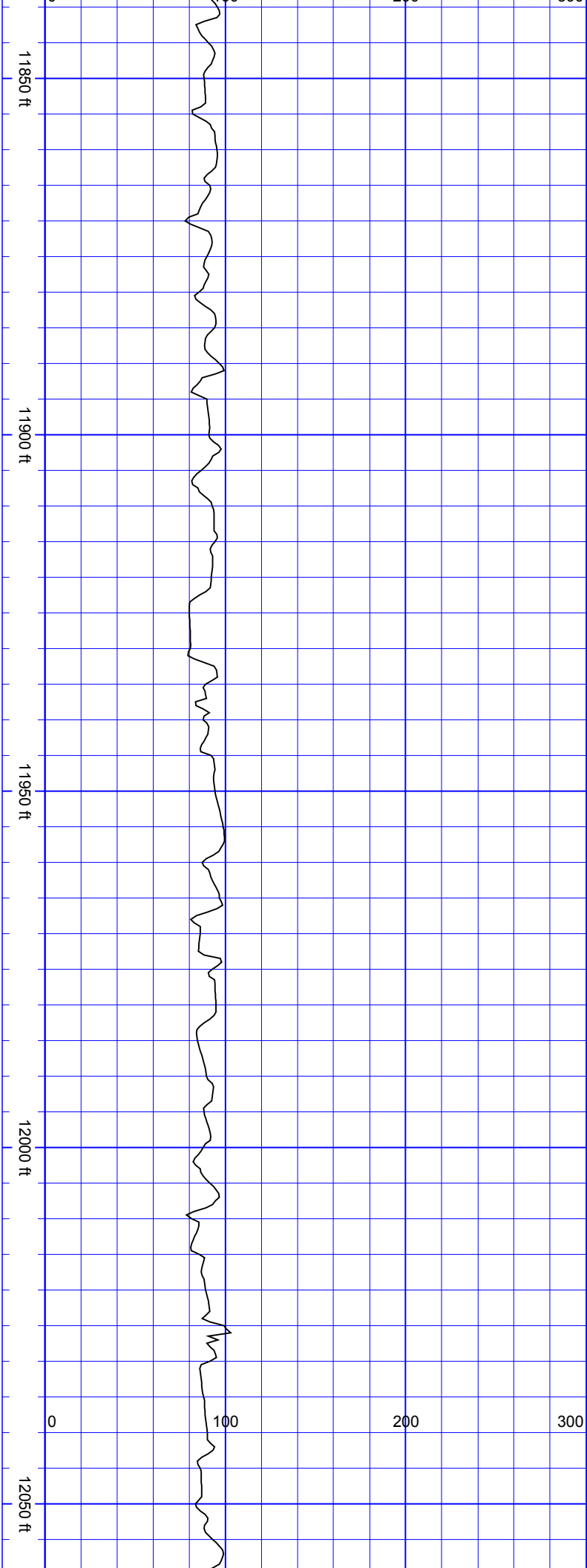
SurveyDepth:11548  
TVD:7395.74 Inc:90.13  
Azi:359.75  
VertSec:4076.91





SurveyDepth:11643 TVD:7395.85 Inc:89.74 Azi:359.57 VertSec:4160.99	SurveyDepth:11737 TVD:7396.53 Inc:89.43 Azi:358.95 VertSec:4244.48	SurveyDepth:11831 TVD:7397.28 Inc:89.65 Azi:358.69
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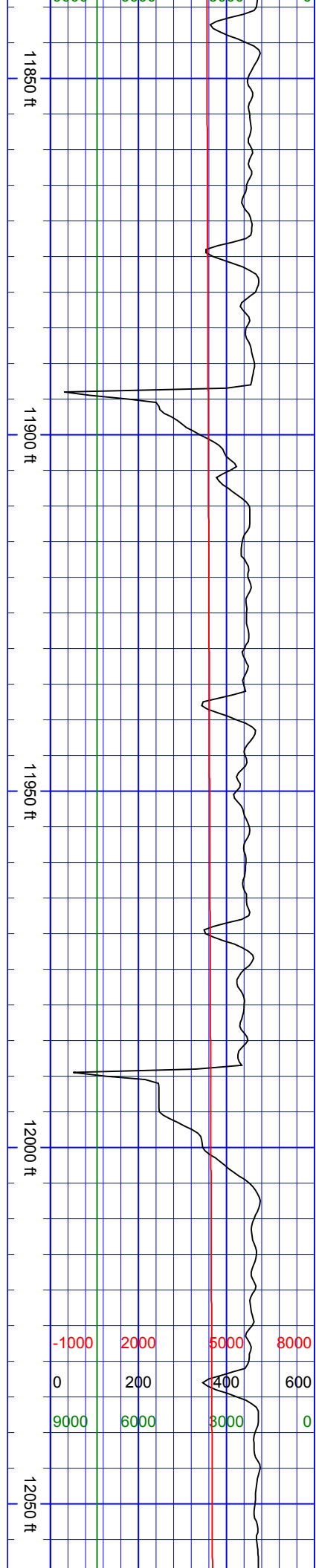


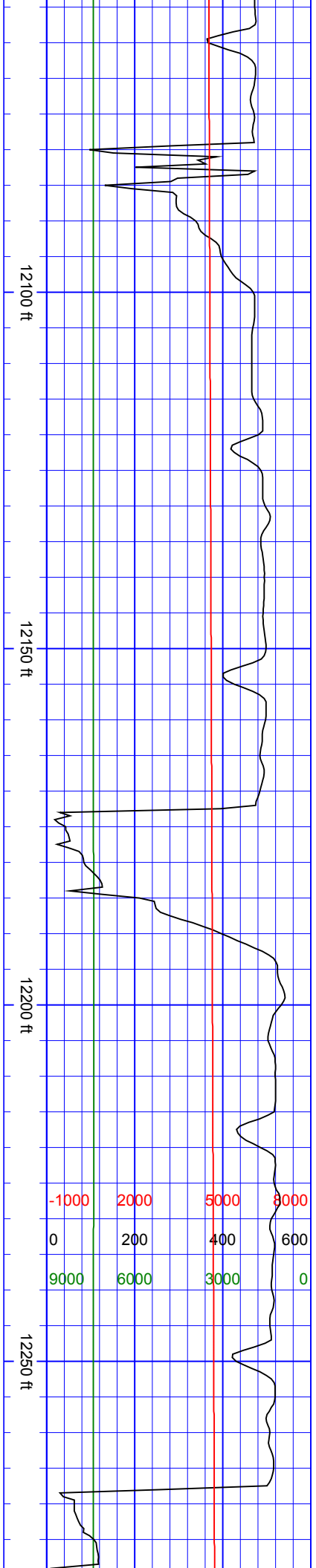
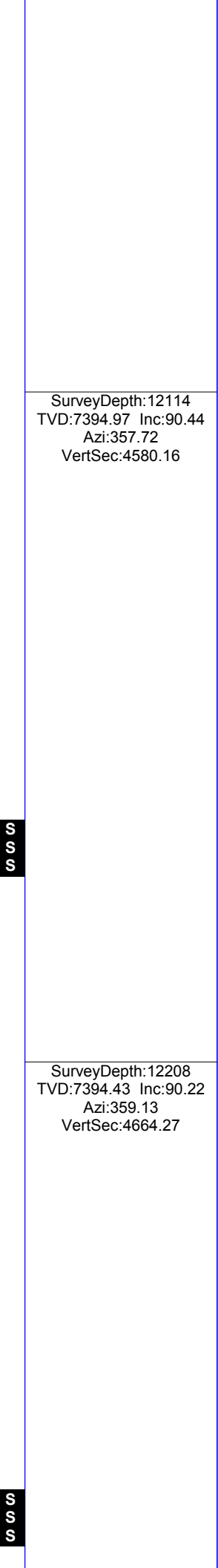
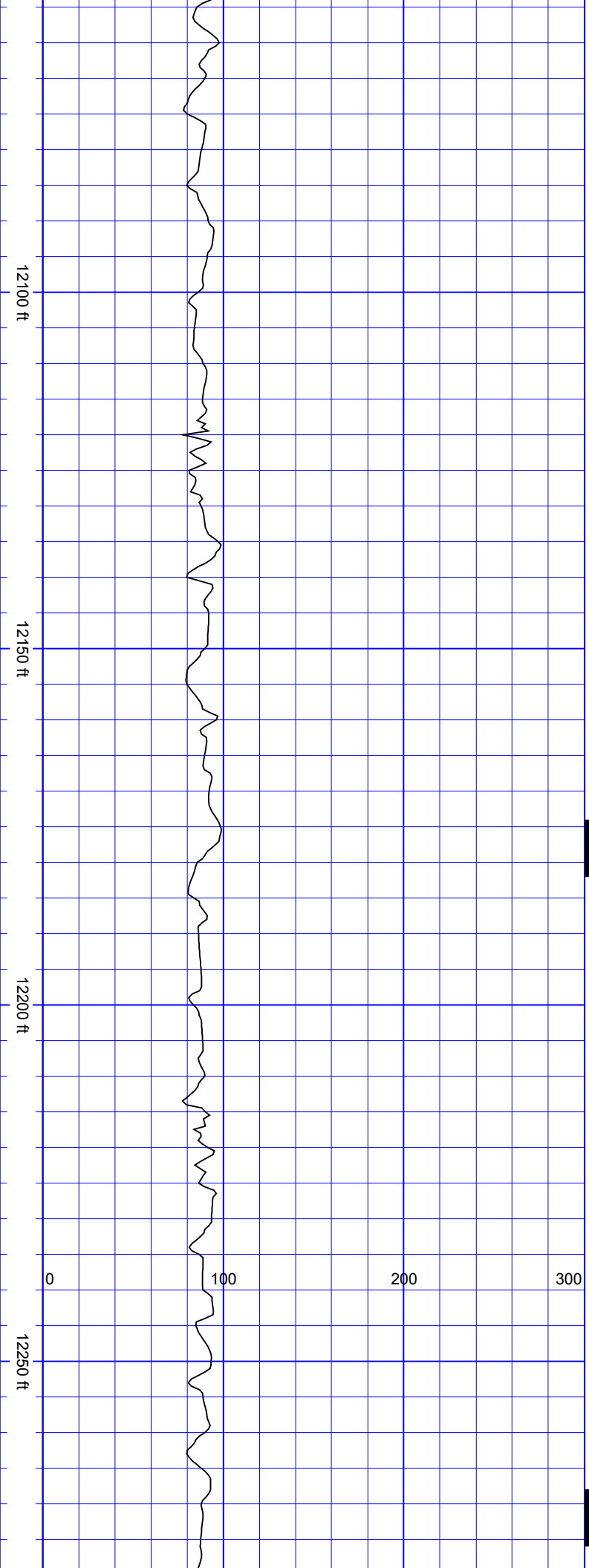
VertSec:4328.3

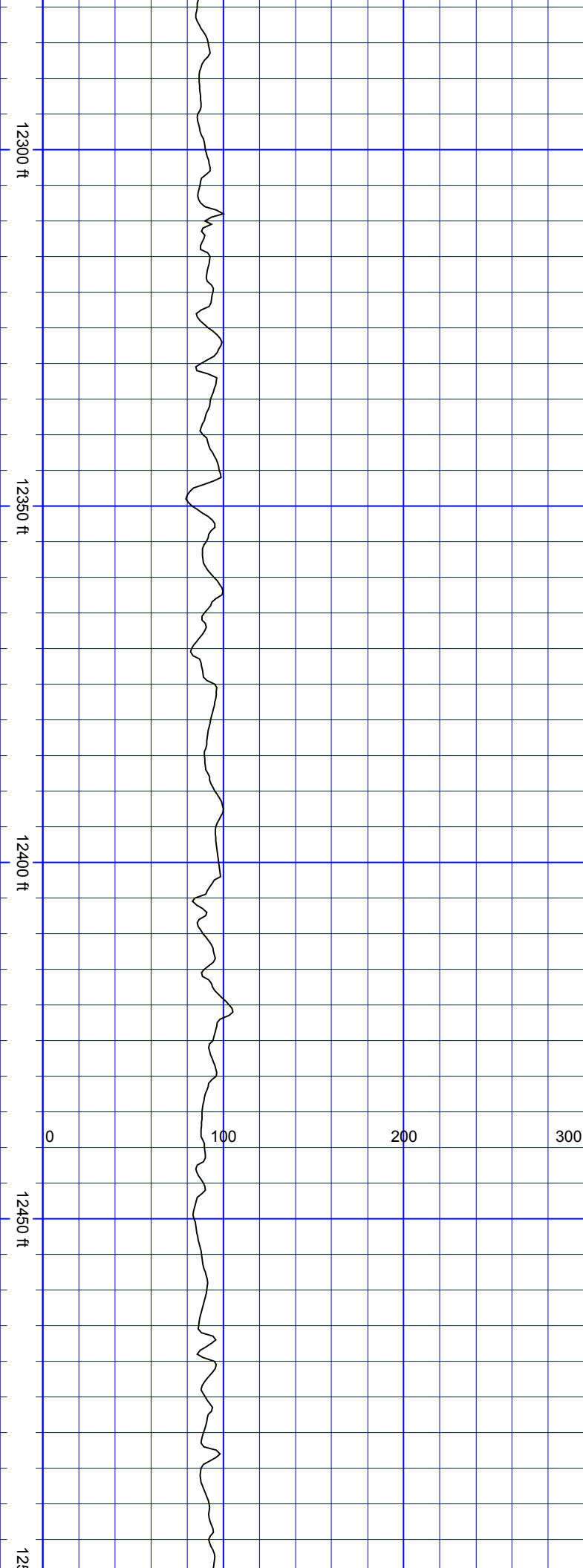
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SurveyDepth:11925  
TVD:7397 Inc:90.7  
Azi:0.1 VertSec:4411.68

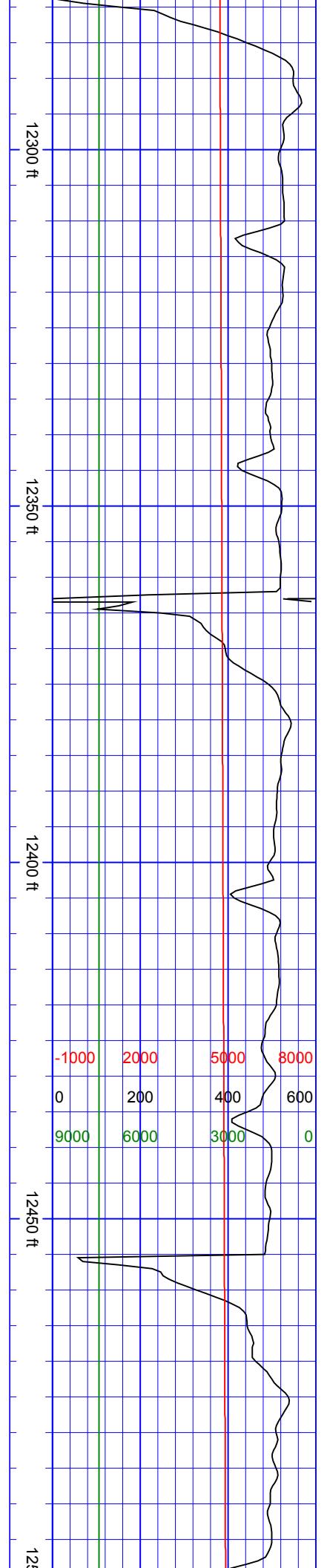
SurveyDepth:12019  
TVD:7395.88 Inc:90.66  
Azi:358.78  
VertSec:4495.03







SurveyDepth:12302 TVD:7395.11 Inc:88.95 Azi:0.01 VertSec:4747.53
SurveyDepth:12396 TVD:7395.89 Inc:90.09 Azi:0.36 VertSec:4830.31
SurveyDepth:12490 TVD:7396.62 Inc:89.03 Azi:359.31 VertSec:4913.36

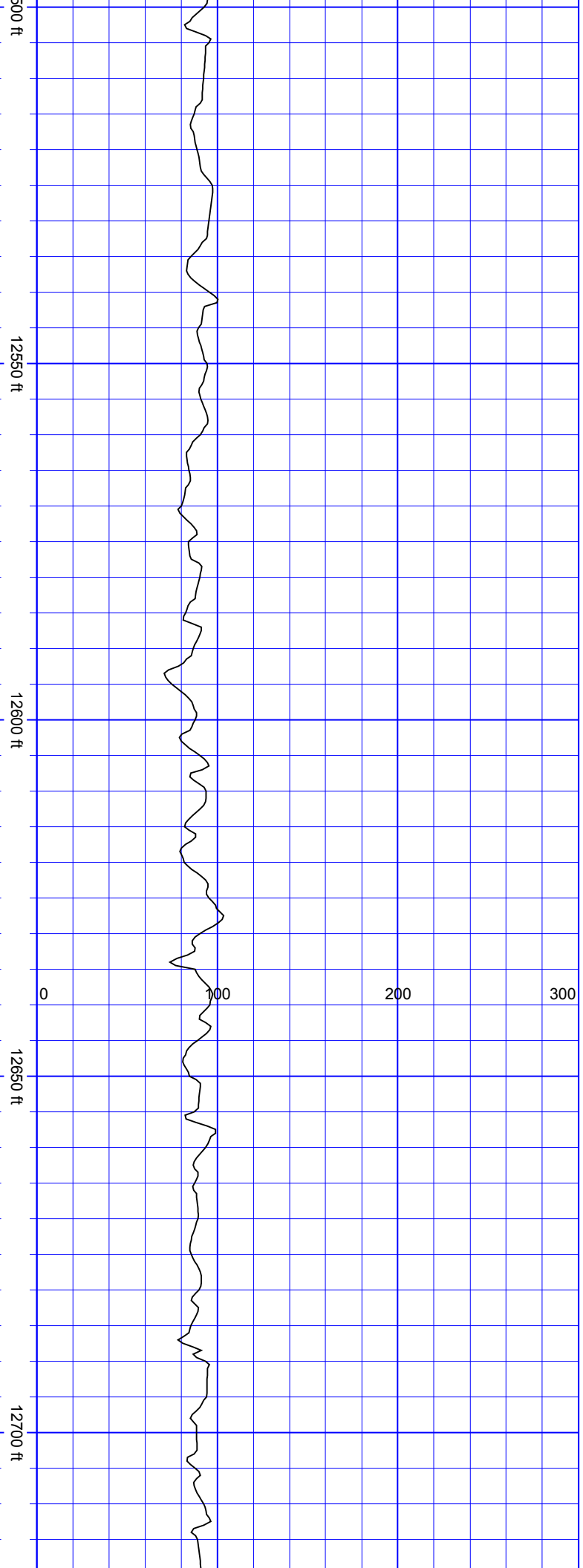
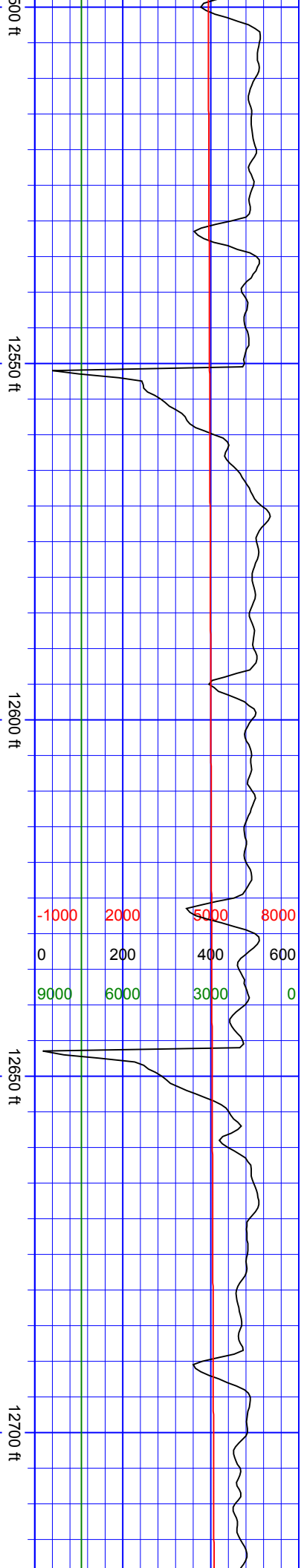


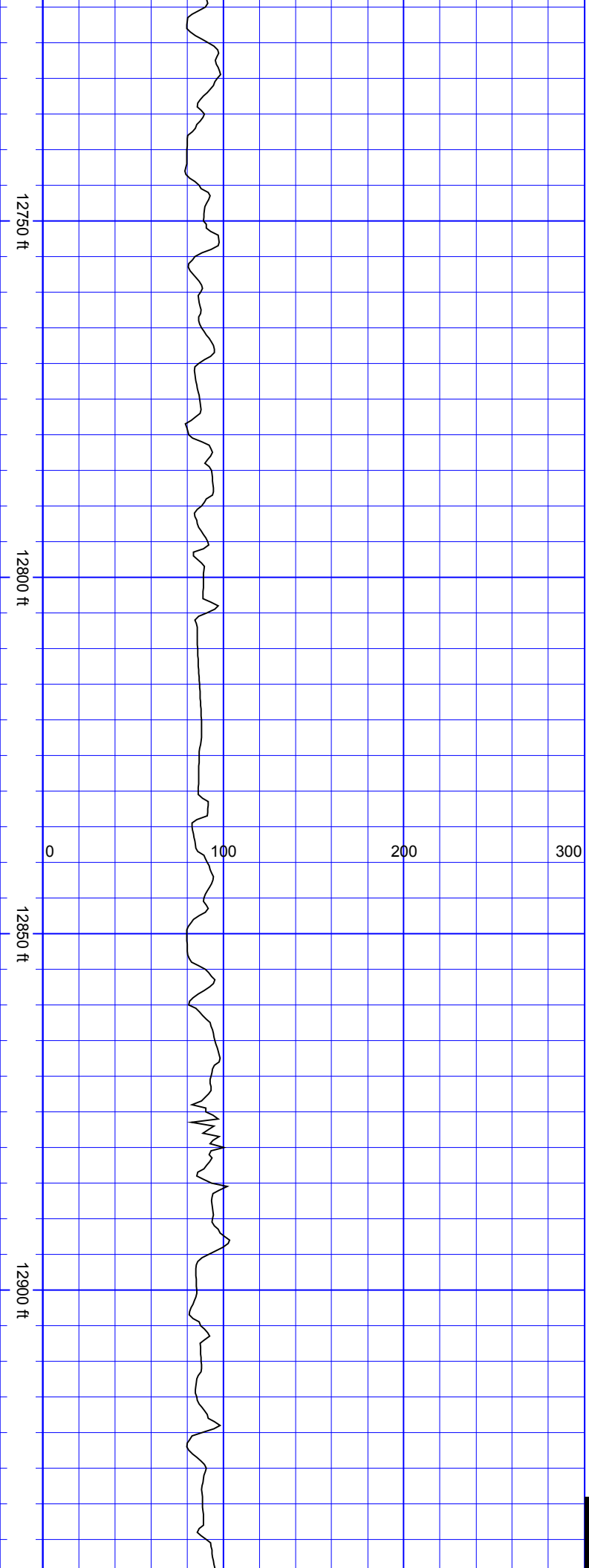


VertSec:4915.56

SurveyDepth:12585  
TVD:7397.53 Inc:89.87  
Azi:359.92  
VertSec:4997.46

SurveyDepth:12680  
TVD:7398.18 Inc:89.34  
Azi:358.78  
VertSec:5081.77

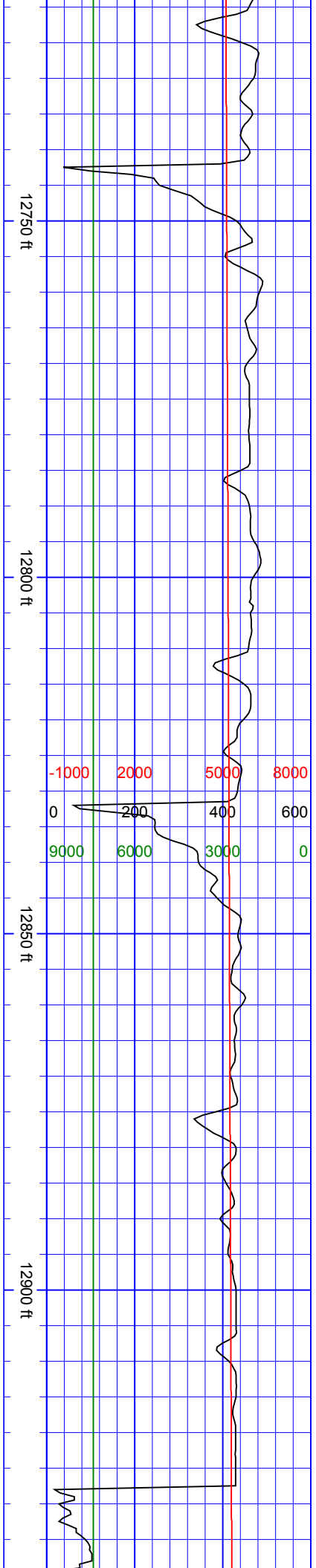


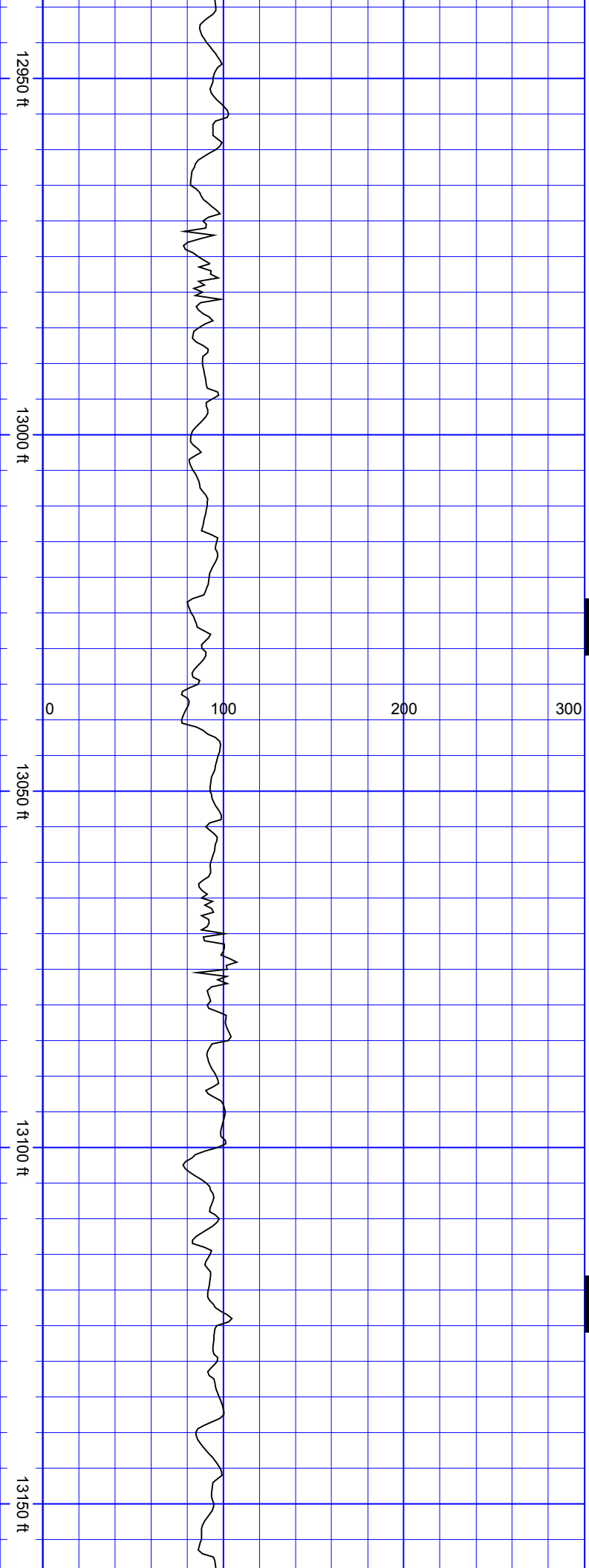


SurveyDepth:12774  
TVD:7399.41 Inc:89.17  
Azi:358.08  
VertSec:5165.87

SurveyDepth:12869  
TVD:7400.86 Inc:89.08  
Azi:357.46  
VertSec:5251.35

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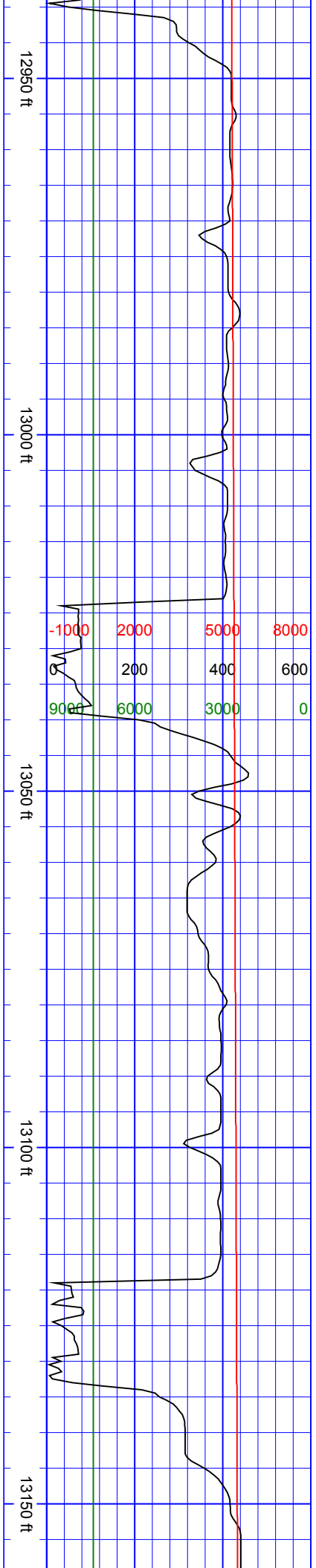


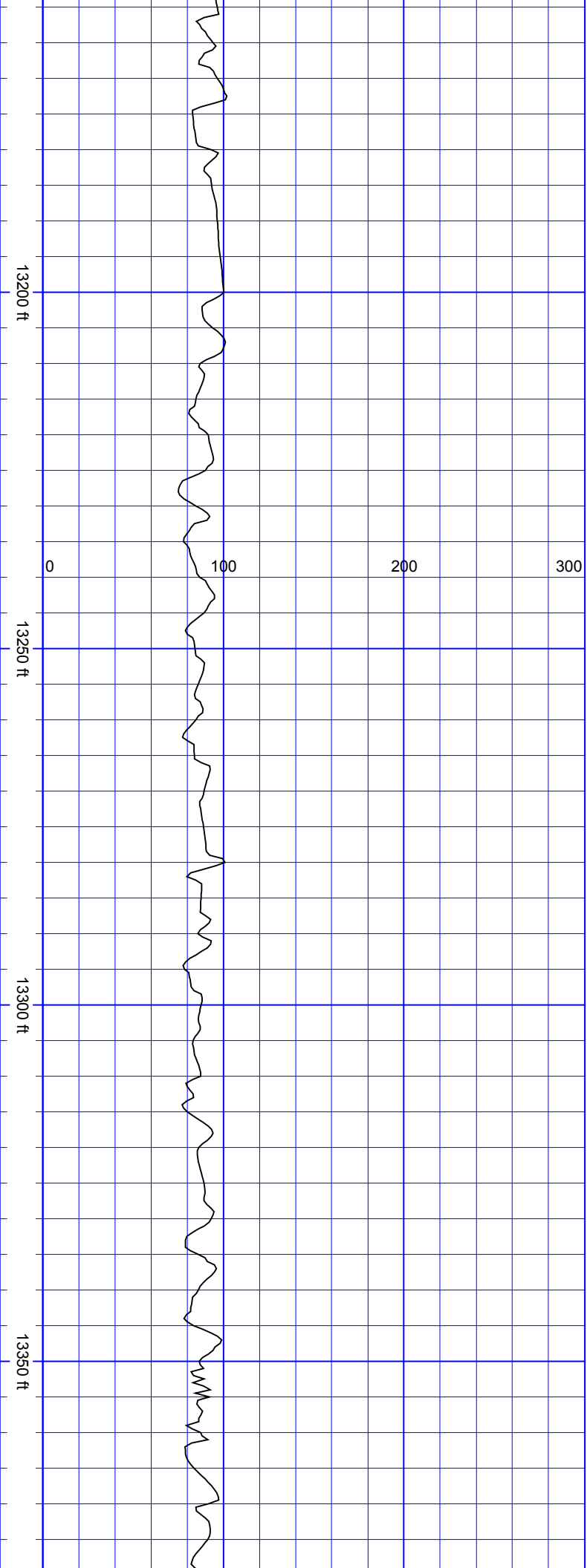


SurveyDepth: 12963  
TVD: 7401.61 Inc: 90  
Azi: 358.69  
VertSec: 5335.71

SurveyDepth: 13058  
TVD: 7401.72 Inc: 89.87  
Azi: 359.75  
VertSec: 5420.12

SurveyDepth: 13152  
TVD: 7401.28 Inc: 90.66  
Azi: 0.54

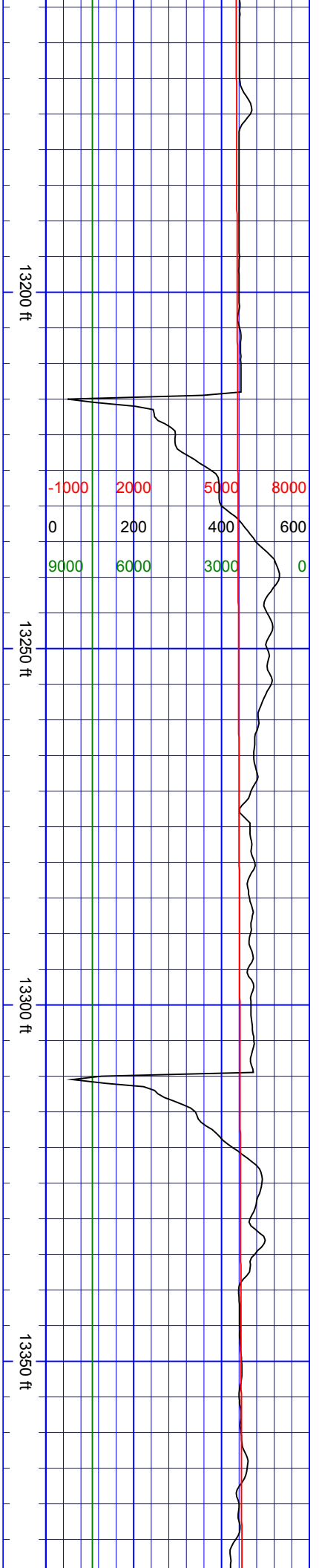


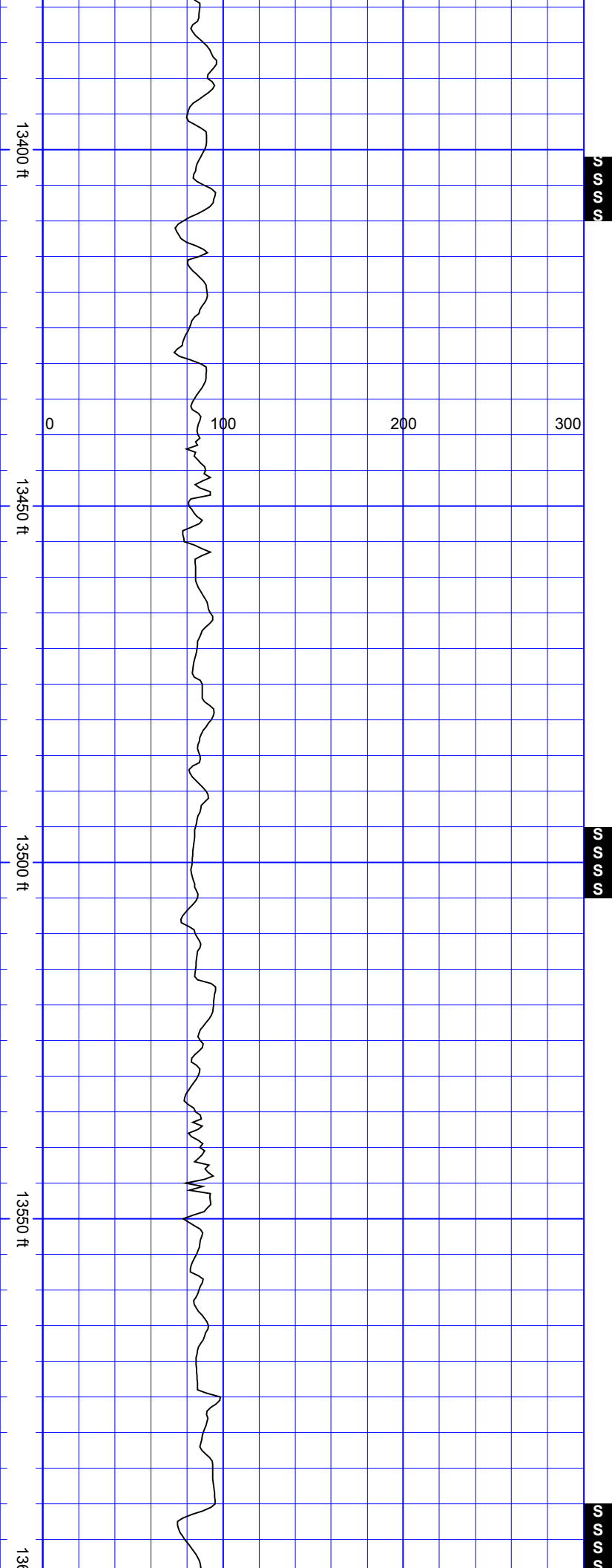


VertSec:5502.93

SurveyDepth:13246  
TVD:7399.48 Inc:91.54  
Azi:0.01  
VertSec:5585.63

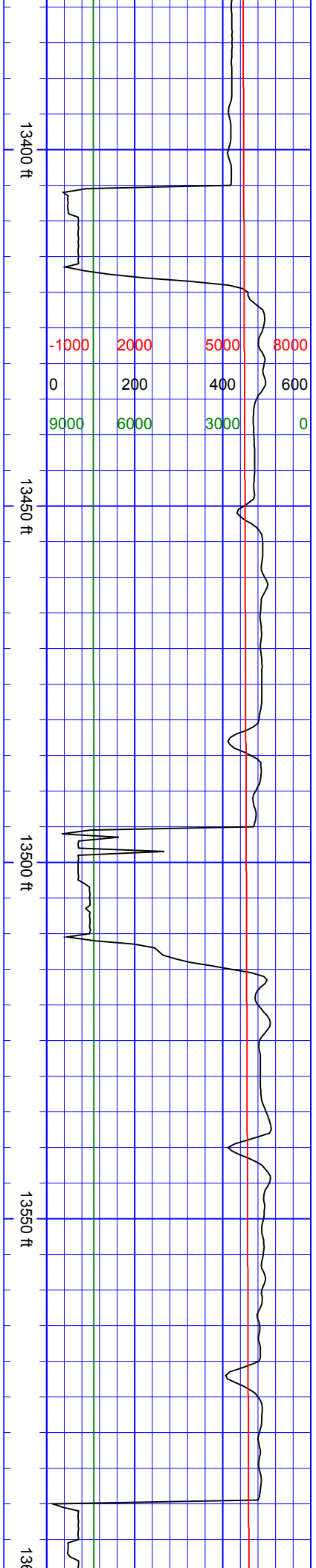
SurveyDepth:13341  
TVD:7396.49 Inc:92.07  
Azi:0.36  
VertSec:5669.25

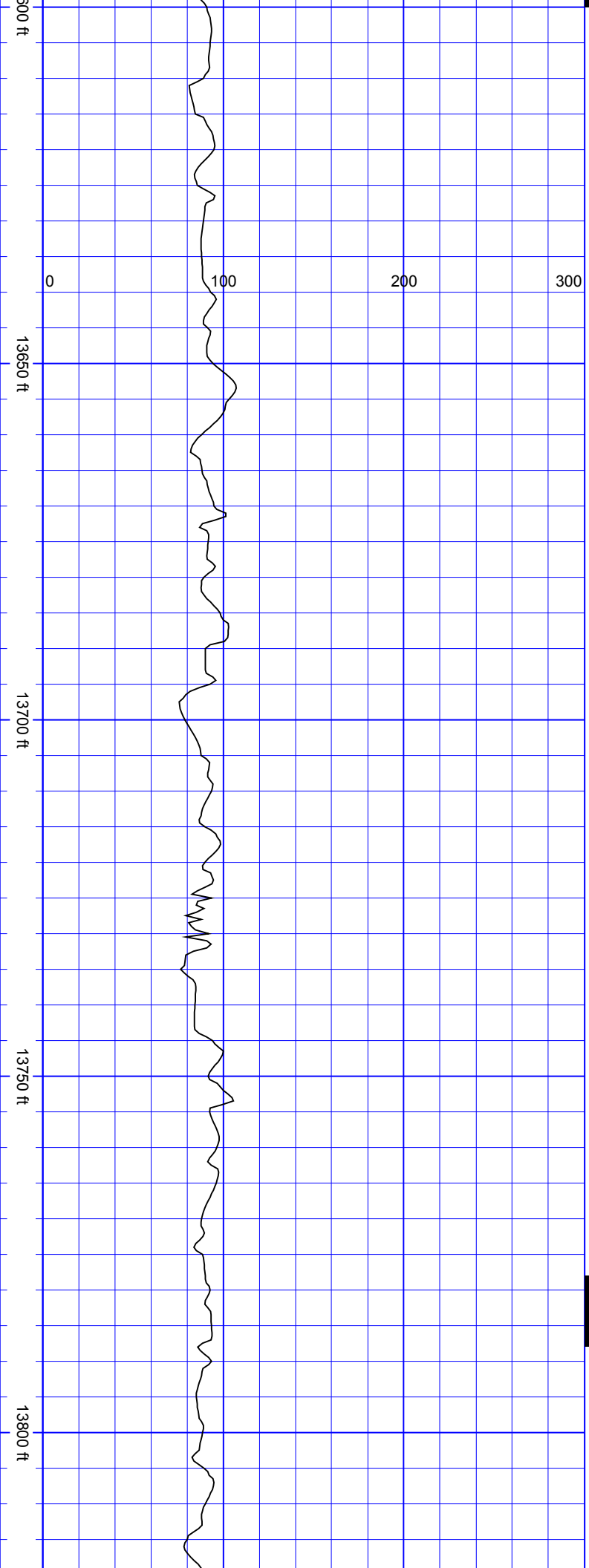




SurveyDepth:13435  
TVD:7394.72 Inc:90.09  
Azi:359.92  
VertSec:5752.05

SurveyDepth:13530  
TVD:7394.43 Inc:90.26  
Azi:359.31  
VertSec:5836.16



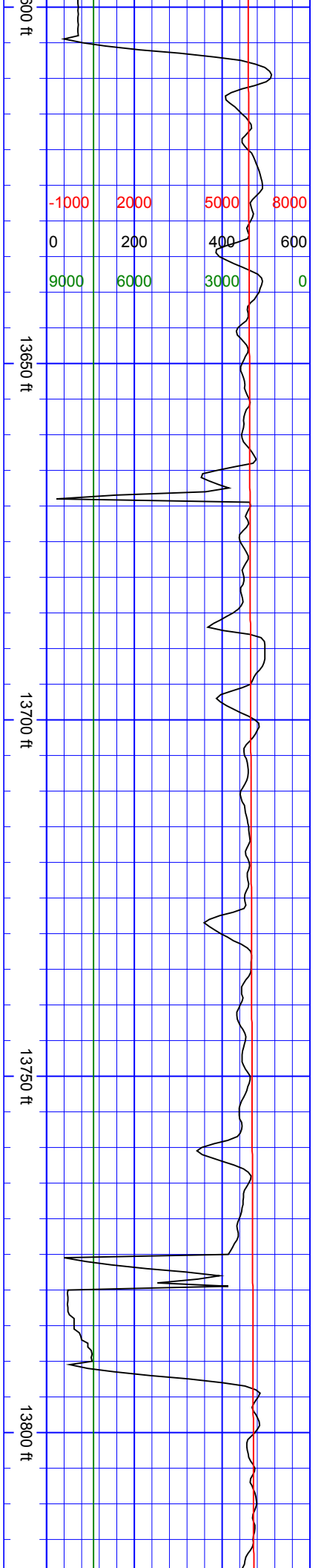


SurveyDepth:13624  
TVD:7393.64 Inc:90.7  
Azi:1.42 VertSec:5918.8

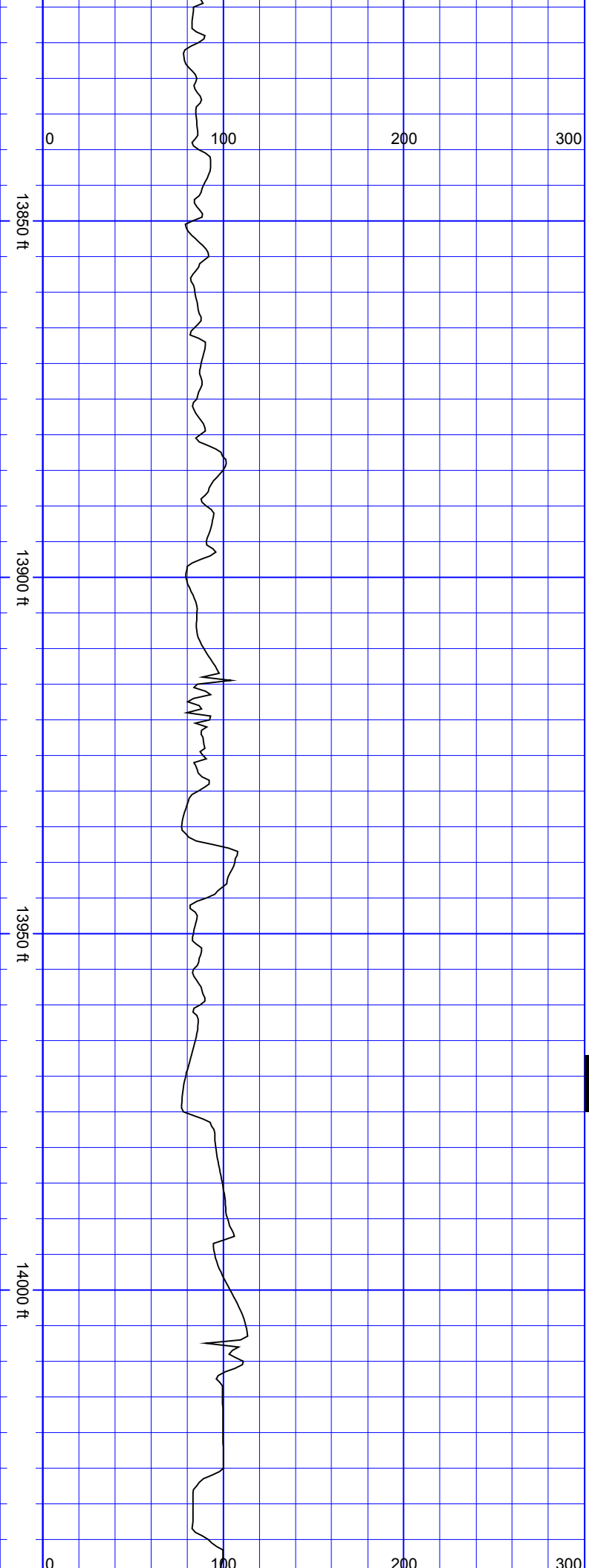
SurveyDepth:13718  
TVD:7391.77 Inc:91.58  
Azi:1.15  
VertSec:6000.69

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SurveyDepth:13813  
TVD:7390.64 Inc:89.78  
Azi:1.58 VertSec:6082.4



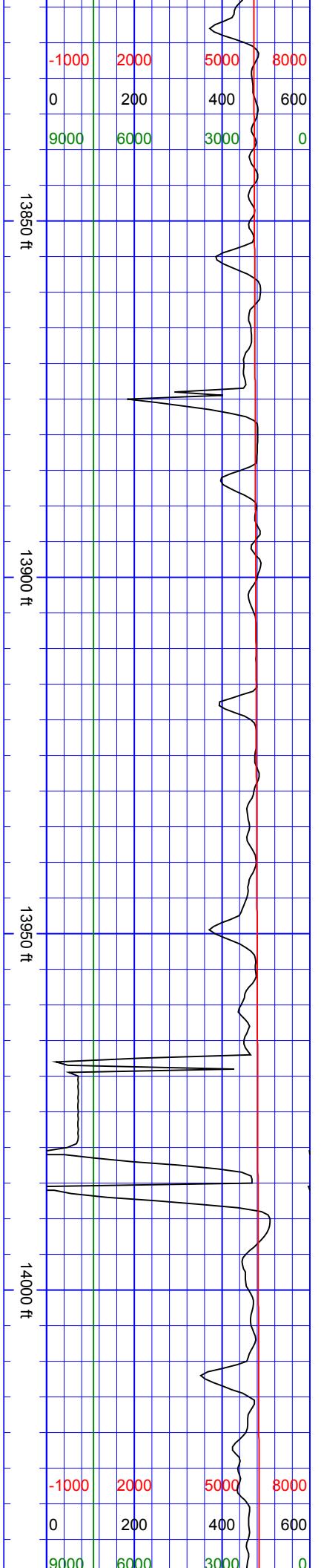
Azi:1.59 VertSec:6083.4



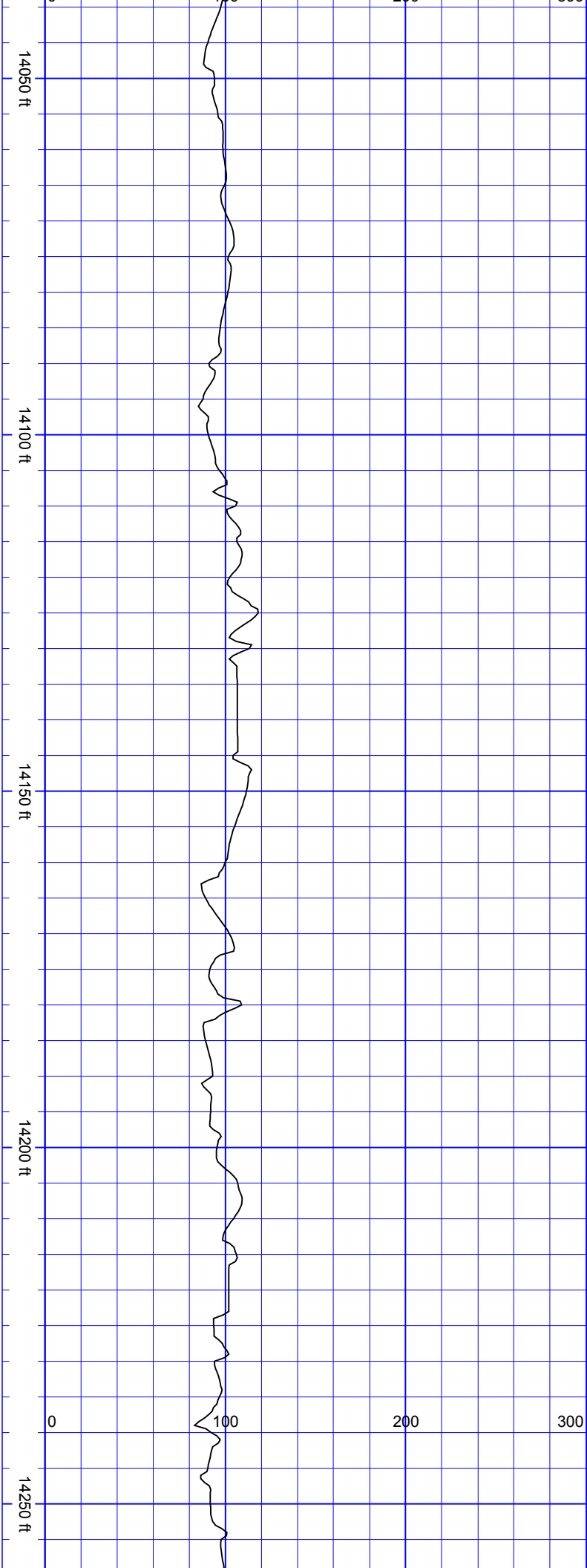
SurveyDepth:13907  
TVD:7390.79 Inc:90.04  
Azi:0.71  
VertSec:6165.42

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SurveyDepth:14002  
TVD:7391.38 Inc:89.25  
Azi:1.59  
VertSec:6248.31

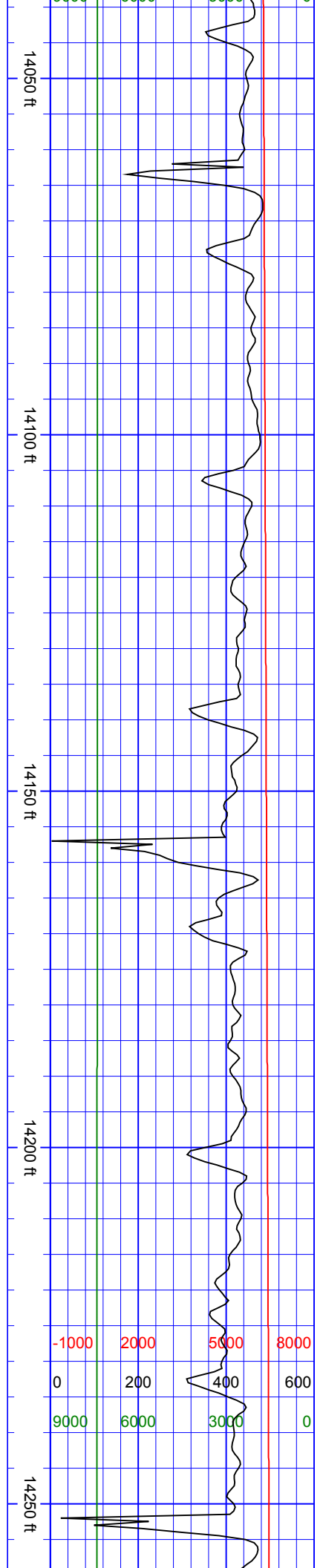


-1000	2000	5000	8000
0	200	400	600
9000	6000	3000	0

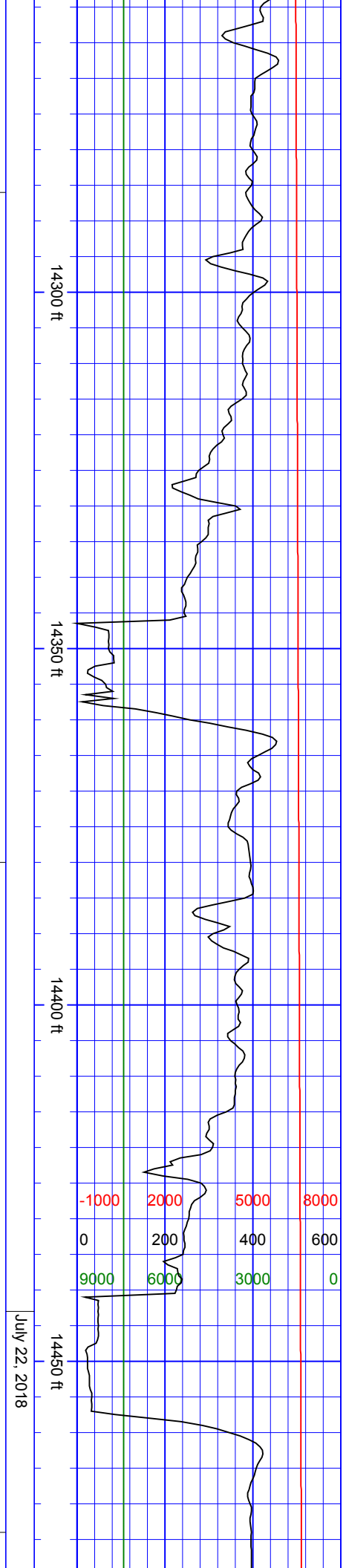
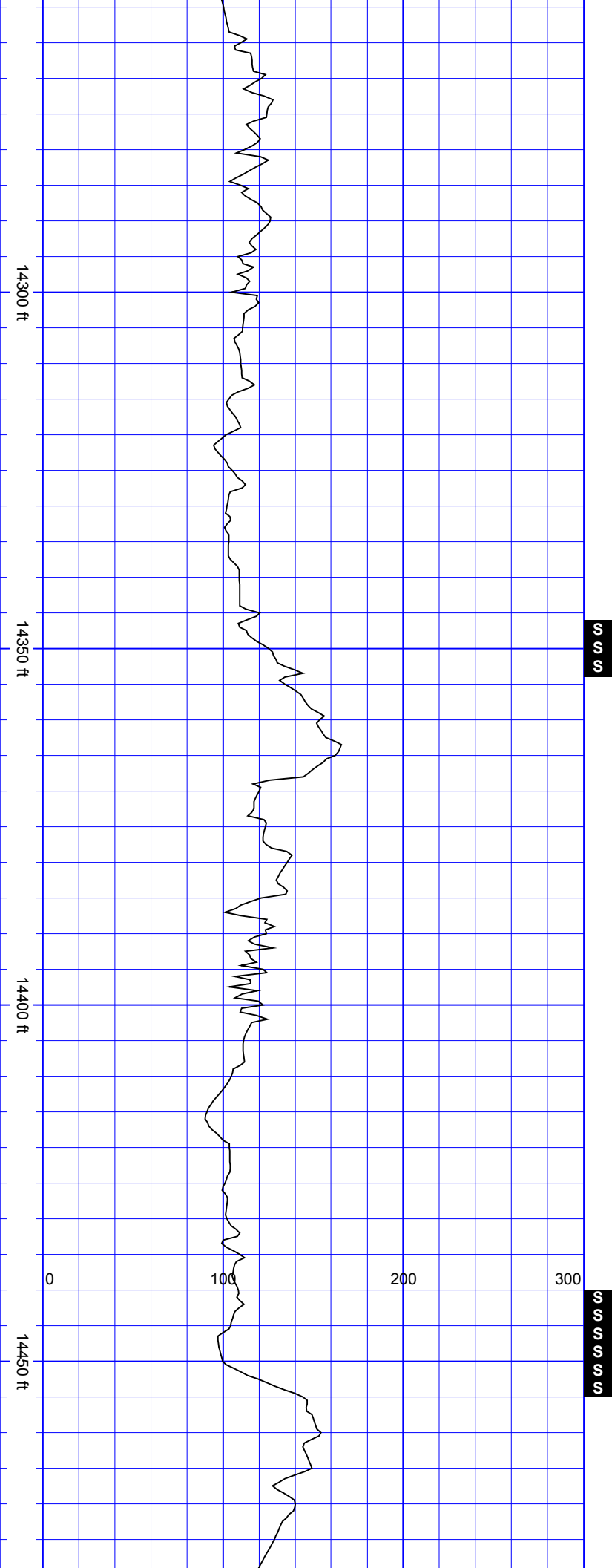


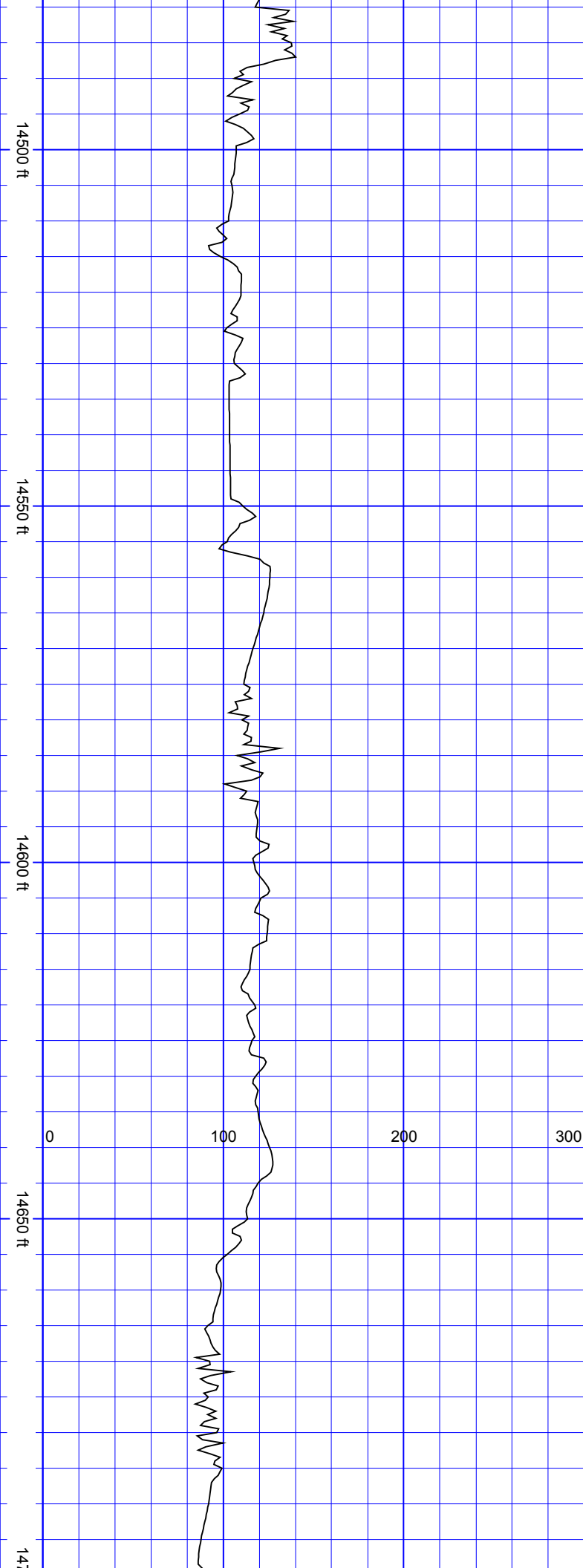
SurveyDepth:14097  
TVD:7392.8 Inc:89.03  
Azi:0.71 VertSec:6331.2

SurveyDepth:14191  
TVD:7394.64 Inc:88.73  
Azi:1.24  
VertSec:6413.34





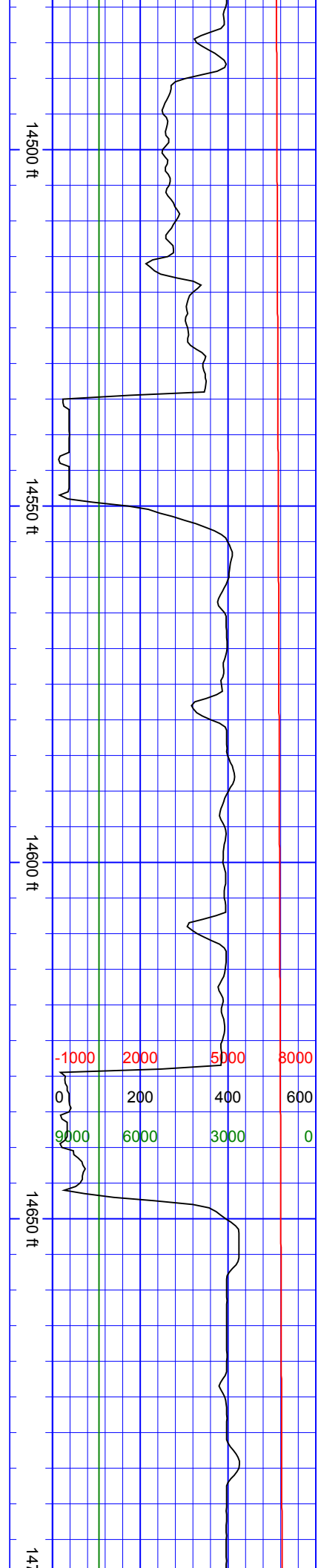


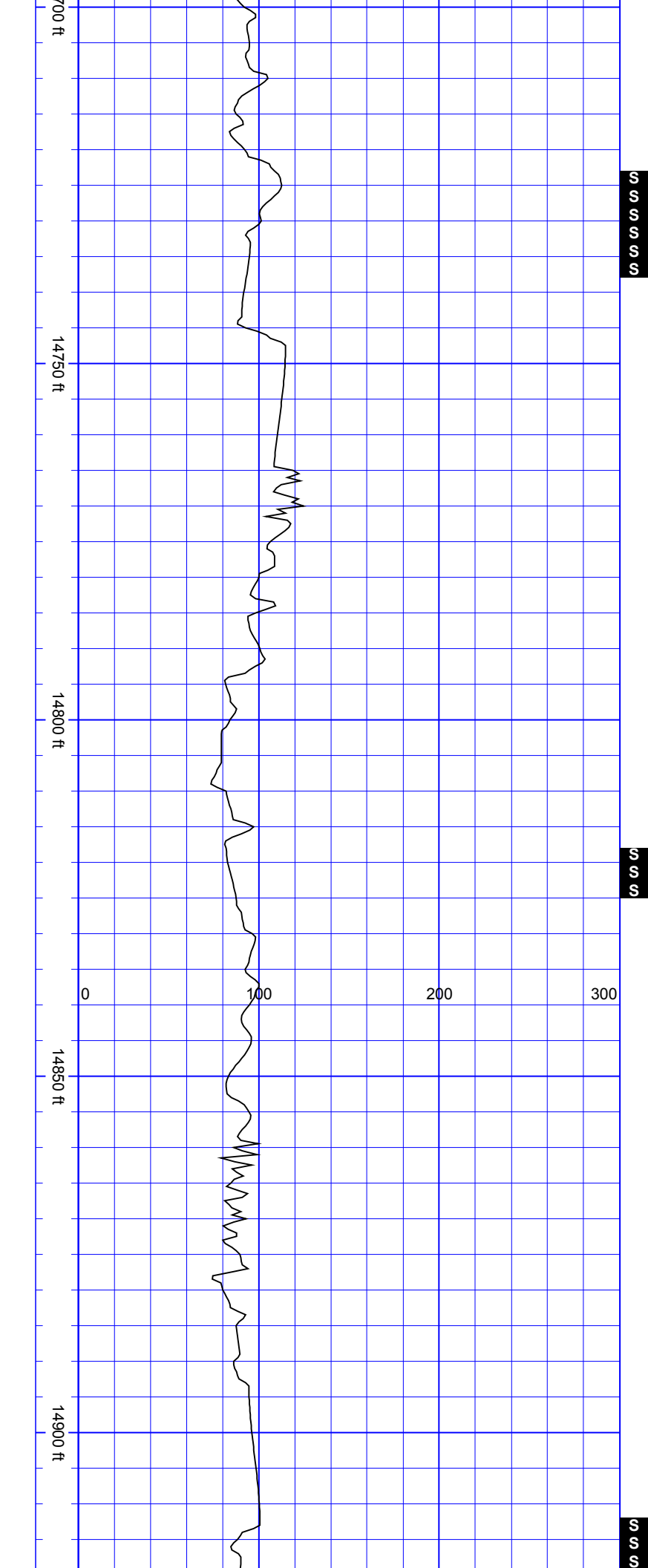


Azi:0.98 VertSec:6659.6

SurveyDepth:14569  
TVD:7400.39 Inc:91.32  
Azi:1.59  
VertSec:6742.38

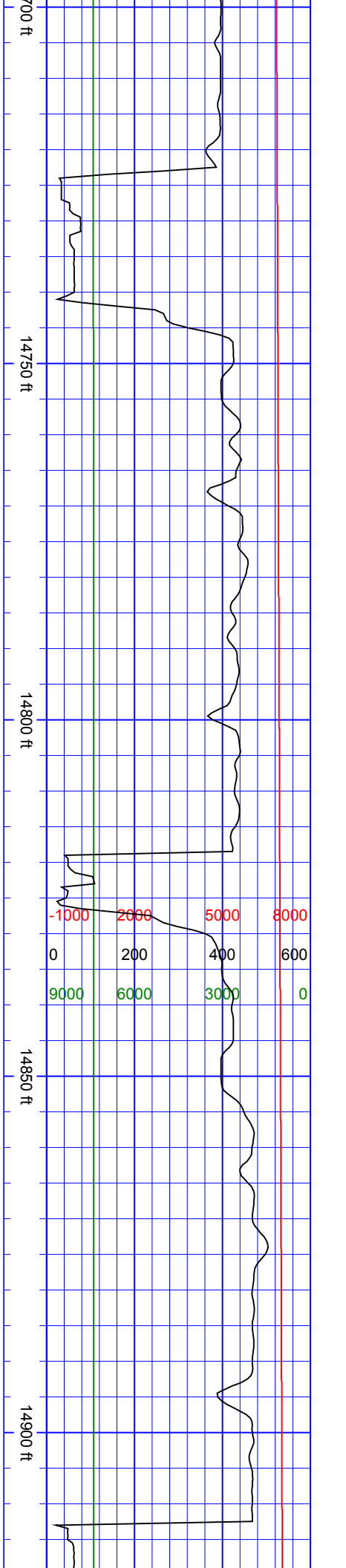
SurveyDepth:14663  
TVD:7397.47 Inc:92.24  
Azi:0.8 VertSec:6824.33





SurveyDepth:14758  
TVD:7394.15 Inc:91.76  
Azi:359.75  
VertSec:6907.87

SurveyDepth:14852  
TVD:7390.59 Inc:92.59  
Azi:0.01  
VertSec:6990.83



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SurveyDepth:14947  
TVD:7387.89 Inc:90.66  
Azi:358.16  
VertSec:7075.3

SurveyDepth:15042  
TVD:7386.18 Inc:91.41  
Azi:357.81  
VertSec:7160.62

SurveyDepth:15136

14950 ft

15000 ft

15050 ft

15100 ft

0 100 200 300

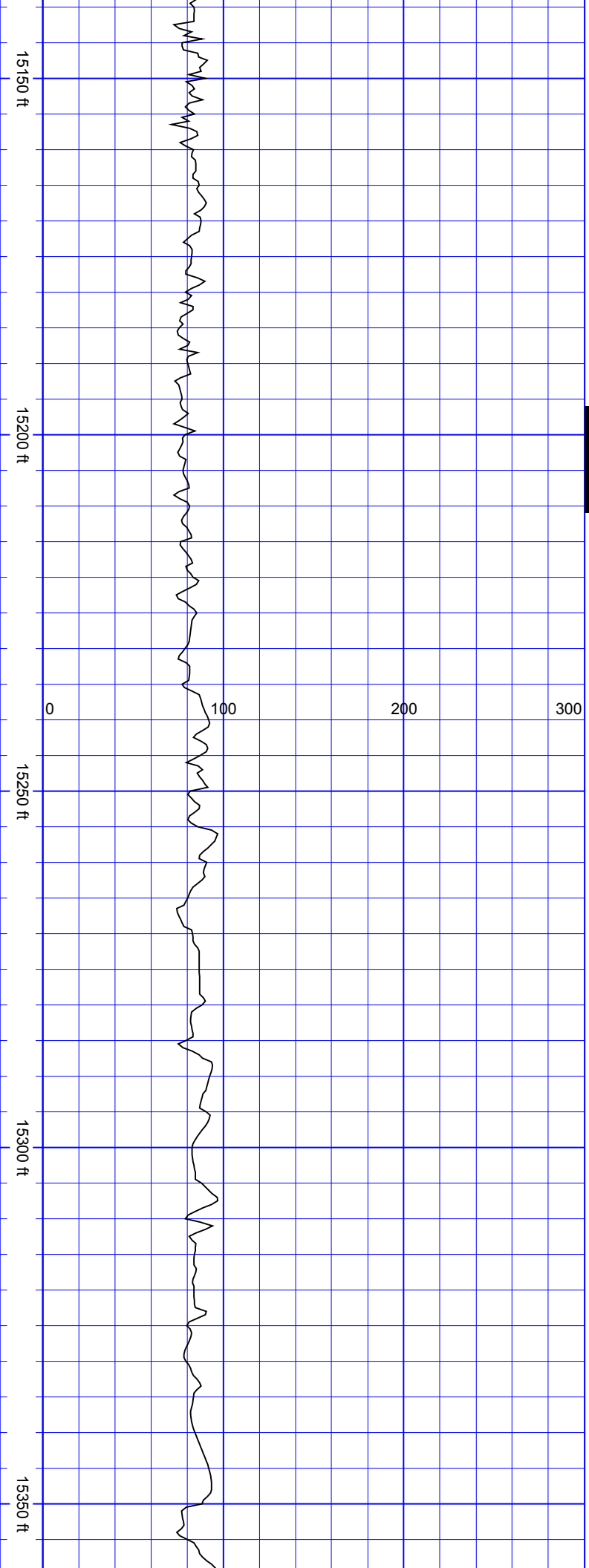
14950 ft

15000 ft

15050 ft

15100 ft

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

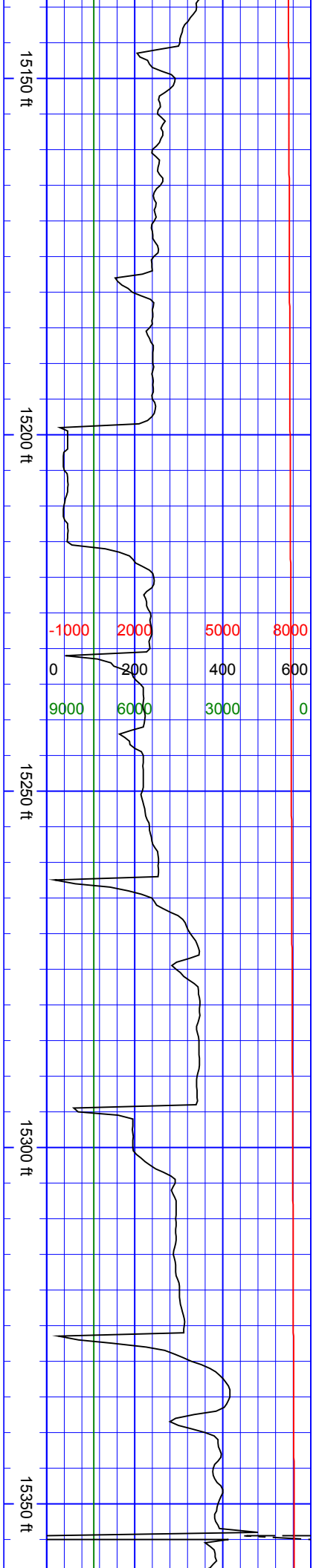


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TVD:7383.94 Inc:91.32  
Azi:357.2  
VertSec:7245.37

SurveyDepth:15230  
TVD:7383.29 Inc:89.47  
Azi:358.6  
VertSec:7329.85

SurveyDepth:15325  
TVD:7384.67 Inc:88.86  
Azi:357.02  
VertSec:7415.3



15400 ft

0 100 200 300

15450 ft

15500 ft

15550 ft

SurveyDepth:15419  
TVD:7386.47 Inc:88.95  
Azi:356.49  
VertSec:7500.58

SurveyDepth:15513  
TVD:7388.49 Inc:88.59  
Azi:356.32  
VertSec:7586.1

SurveyDepth:15552  
TVD:7389.45 Inc:88.59  
Azi:355.44  
VertSec:7621.73

15400 ft

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

15450 ft

15500 ft

15550 ft

