

**Build & Lateral**

Job #:

185228

Well ID:

16191029

Scale:

5" = 100 ft

Type:

MD

**Well Site Information**

Oil Company

Crestone Peak Resources

Surface Location

S4-T2N-R66W

Well Name

DAVIS 1J-9H-G266

API

05-123-46508-00

Field

DJ BASIN

State

CO

Country

USA

**Surface Coordinates**

Well Type

Horizontal

Latitude

40° 9' 16 N

Longitude

104° 46' 40 W

N / S Coordinates

1,299,927.60 us/ft

E / W Coordinates

3,201,840.52 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

14,797.00 ft

(MD) Log Interval

Spud Date

Aug/02/2018

End Date

Aug/06/2018

Start Depth

2,139.77 ft

End Depth

14,797.13 ft

**Bore Hole Record**

Hole Size

From

To

13.50 in

0.00 ft

2,195.00 ft

8.50 in

2,195.00 ft

14,797.00 ft

**Casing Record**

Type

Size

WGT

From

To

LT&amp;C

9.63 in

40.00 lbs/ft

0.00 ft

2,195.00 ft

DW/C

5.50 in

20.00 lbs/ft

0.00 ft

14,797.00 ft

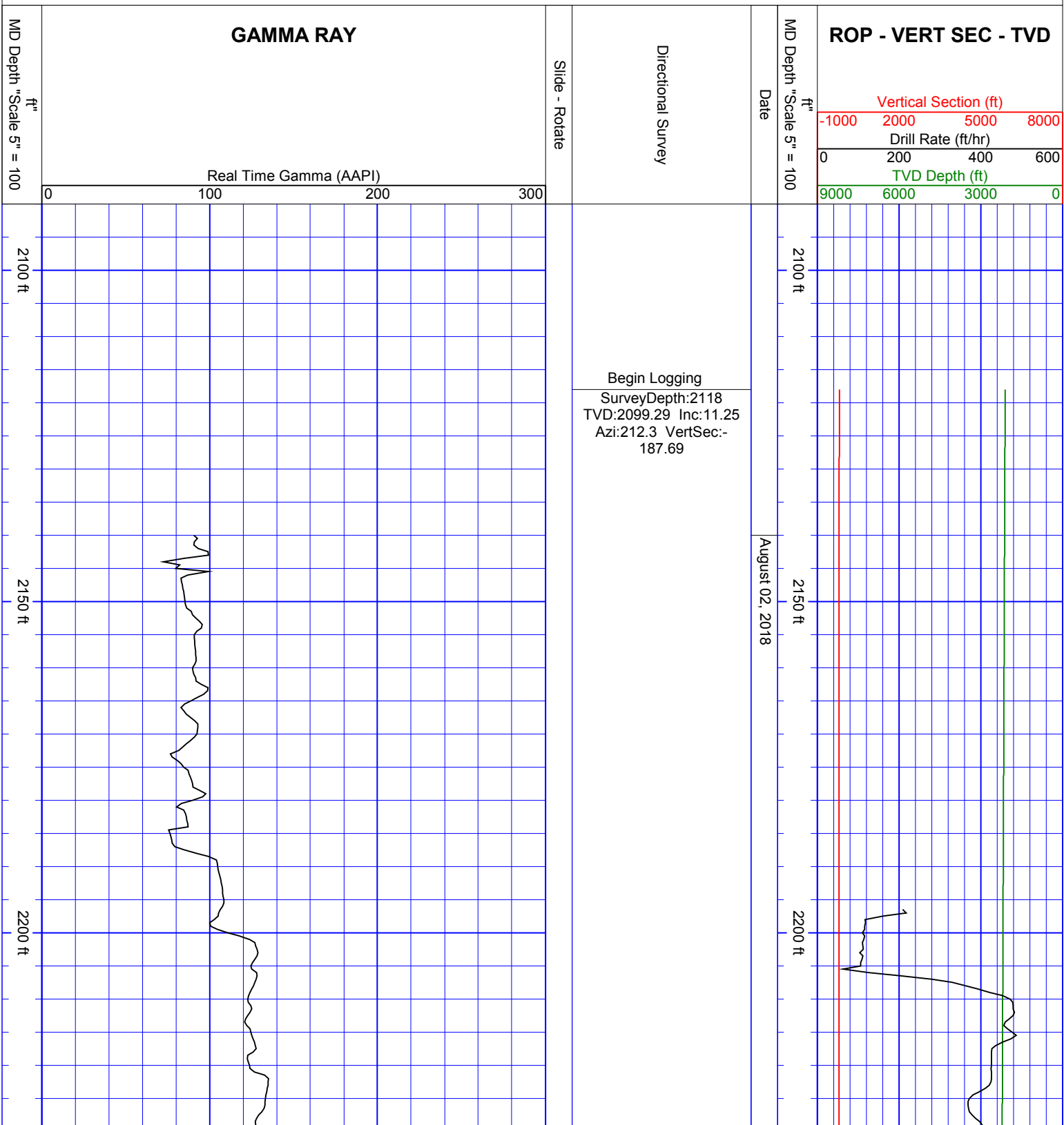
**Run Data**

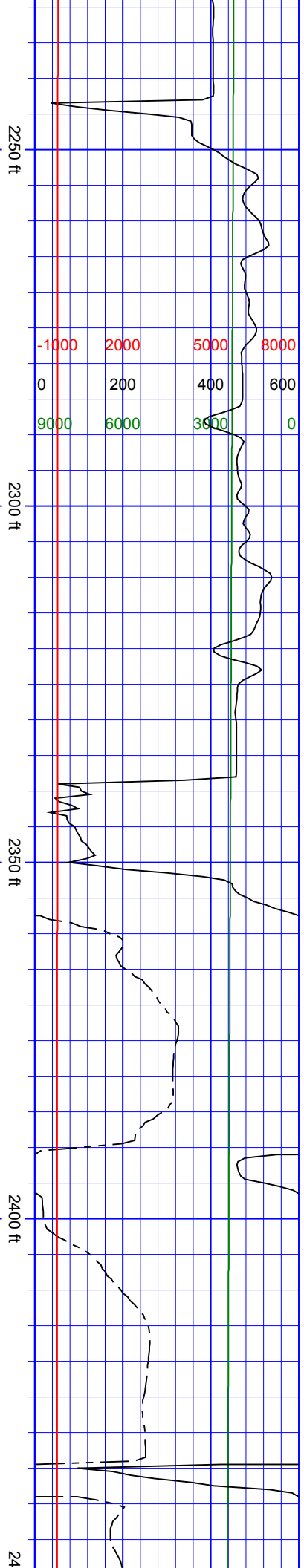
Bit Run Number	1	2			
Start Date & Time	Aug/02/2018 18:00:00	Aug/05/2018 16:30:00			
End Date & Time	Aug/05/2018 14:00:00	Aug/06/2018 14:00:00			
Run Hours	68.00	22.00			
Depth In	2,195.00 ft	13,788.00 ft			
Depth Out	13,788.00 ft	14,797.00 ft			
Total Gamma Correction	5.67	5.67			
Gamma to Bit	58.78 ft	58.78 ft			
Resistivity to Bit	-	-			
Mud Type	Oil Based	Oil Based			
Density	10.10 ppg	10.20 ppg			
Viscosity	49.00 sec/qt	49.00 sec/qt			
PH	-	-			
Fluid Loss	-	-			
K+ ppm	-	-			
CL- ppm	33,000.00 mg/L	33,000.00 mg/L			
Max Mud Temp	266.00 °F	262.00 °F			
Mud Report Depth	13,300.00 ft	14,797.00 ft			

**Remarks**

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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.

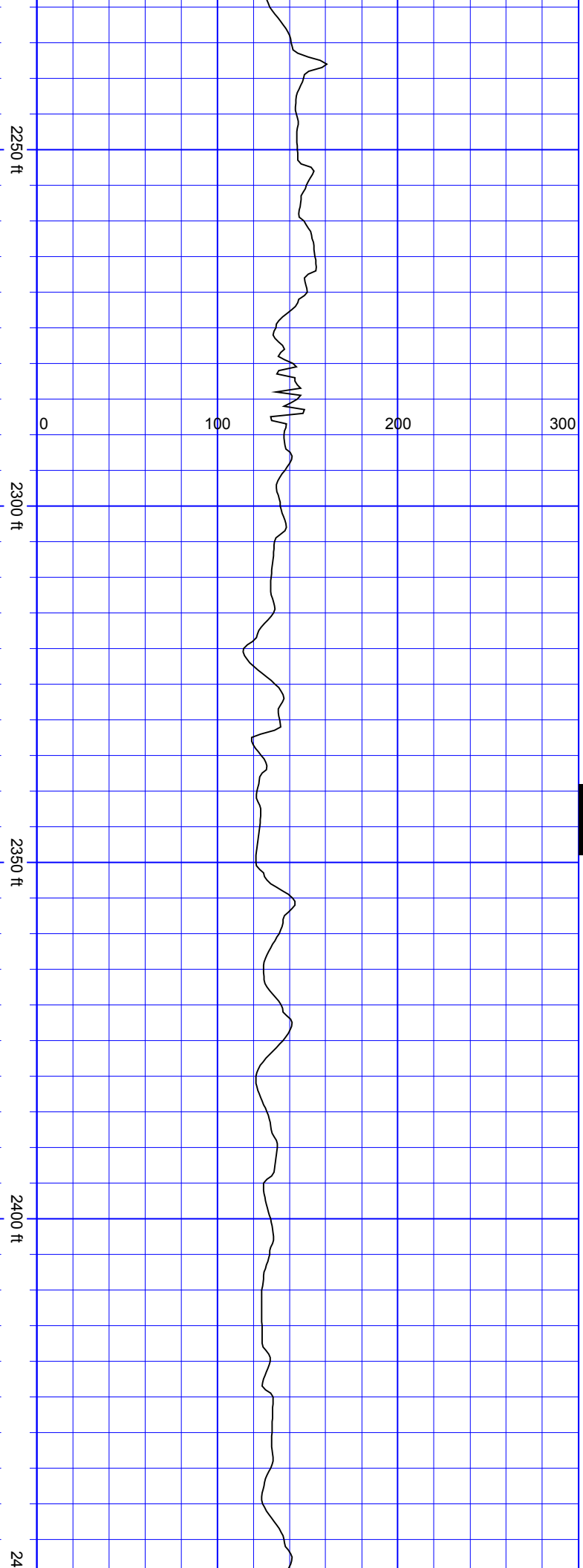




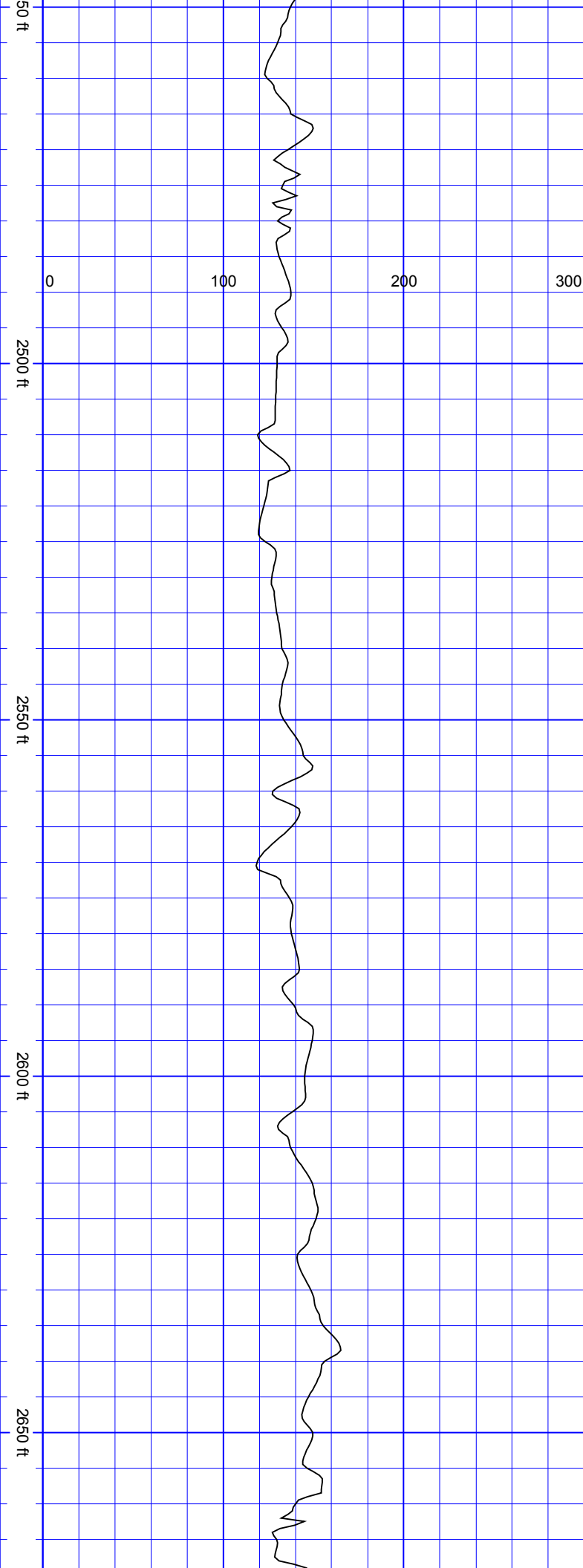
SurveyDepth:2275  
TVD:2253.64 Inc:9.84  
Azi:210.5 VertSec:-  
210.57

SurveyDepth:2369  
TVD:2346.21 Inc:10.15  
Azi:219.9 VertSec:-  
222.84

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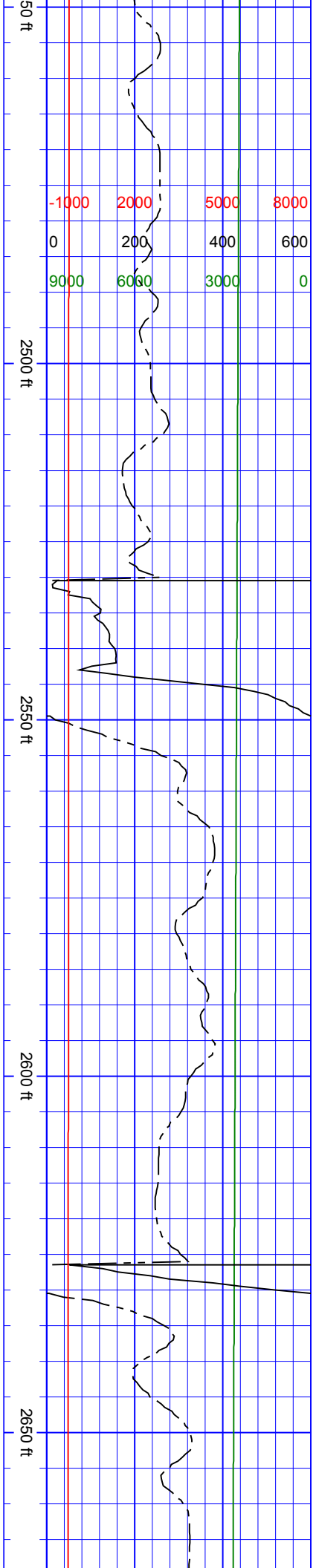
August 03, 2018

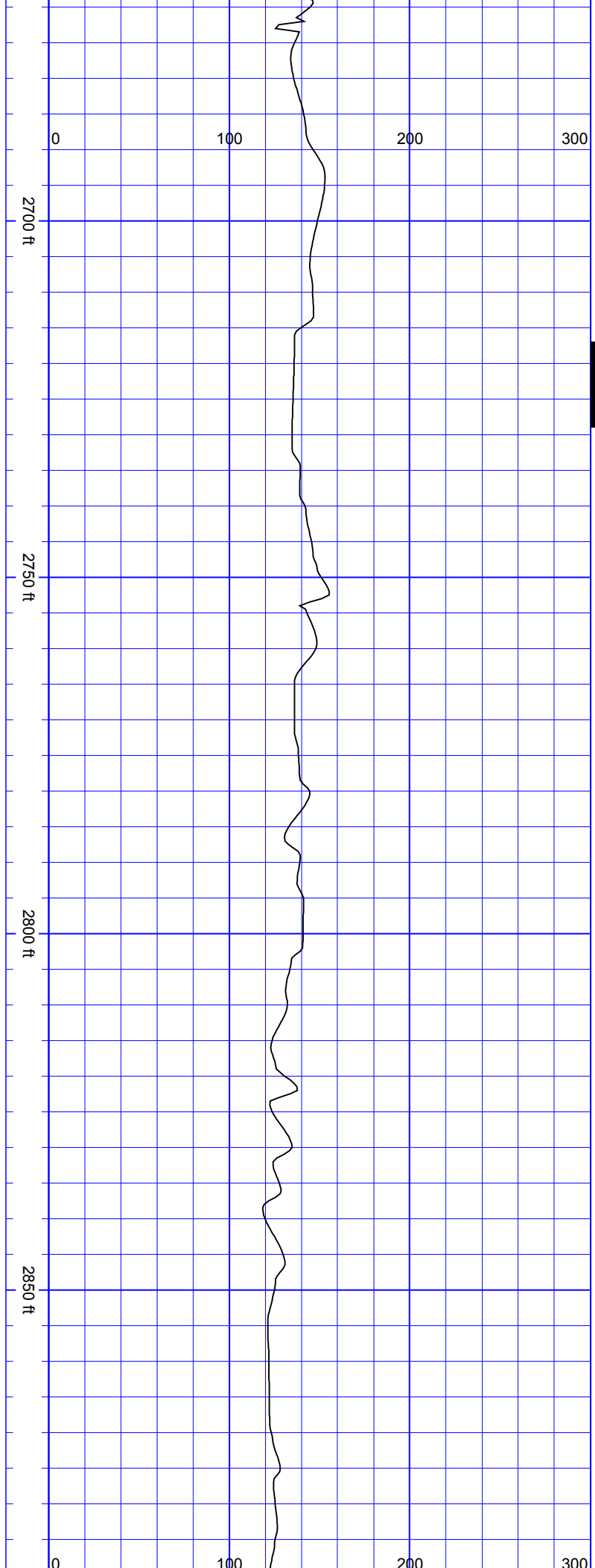


SurveyDepth:2464  
TVD:2439.83 Inc:9.4  
Azi:217.97 VertSec:-  
234.29

SurveyDepth:2558  
TVD:2532.38 Inc:10.77  
Azi:211.29 VertSec:-  
246.85

SurveyDepth:2653  
TVD:2625.84 Inc:9.93  
Azi:209.88 VertSec:-  
260.6

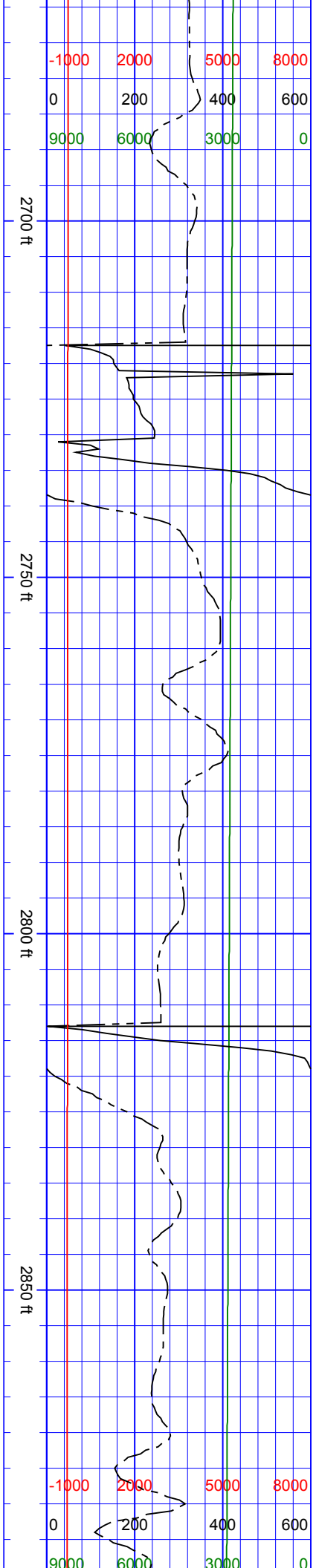


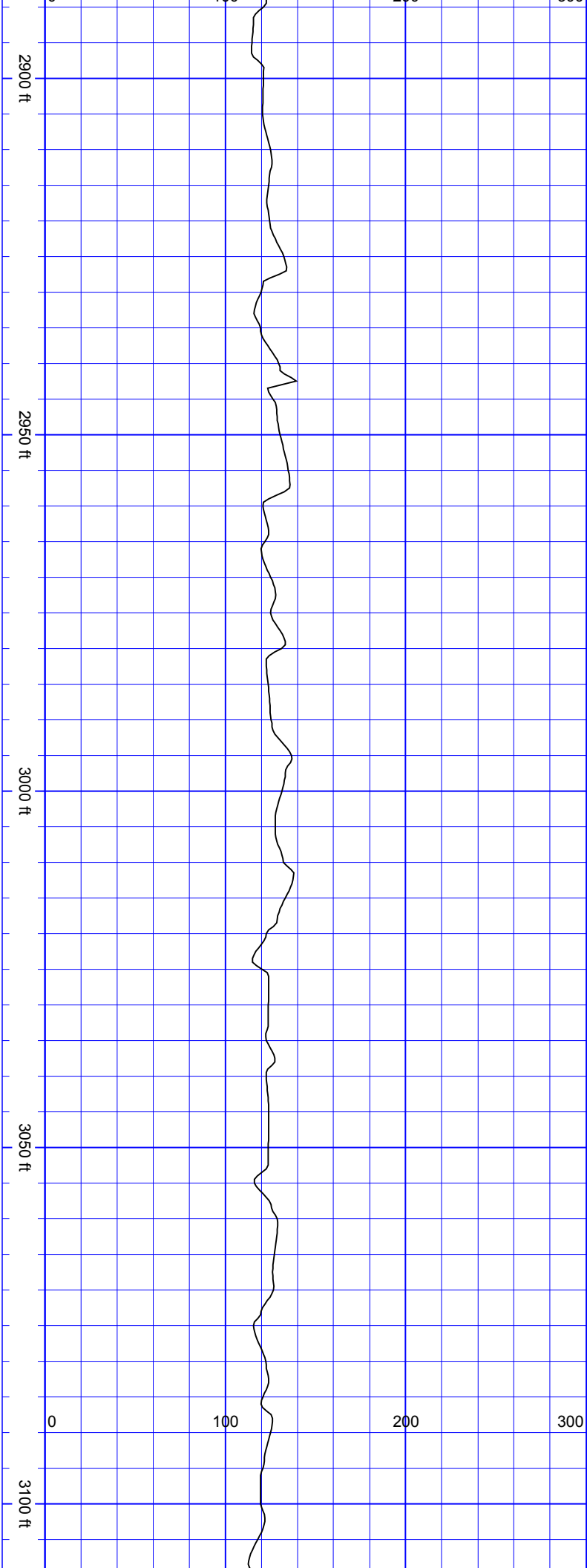


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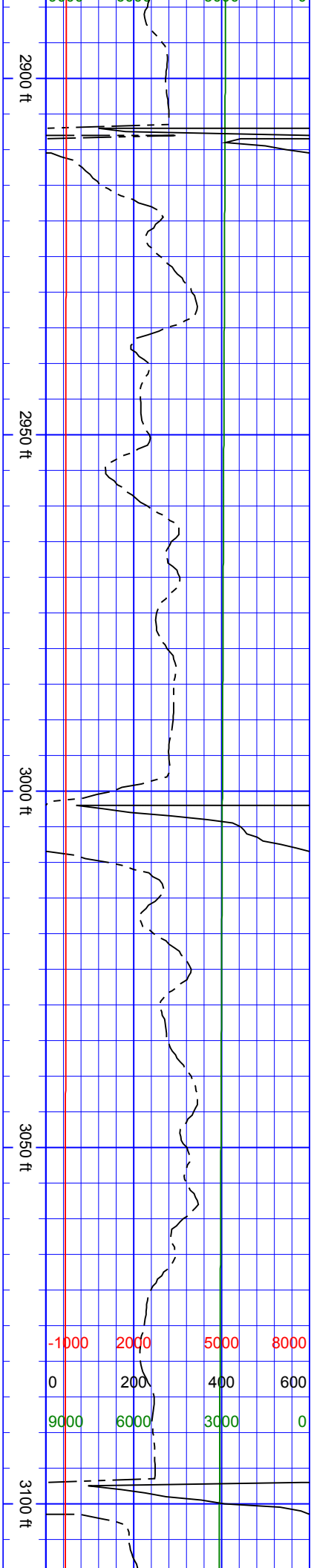
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TVD:2718.18 Inc:11.6  
Azi:212.96 VertSec:-  
274.56

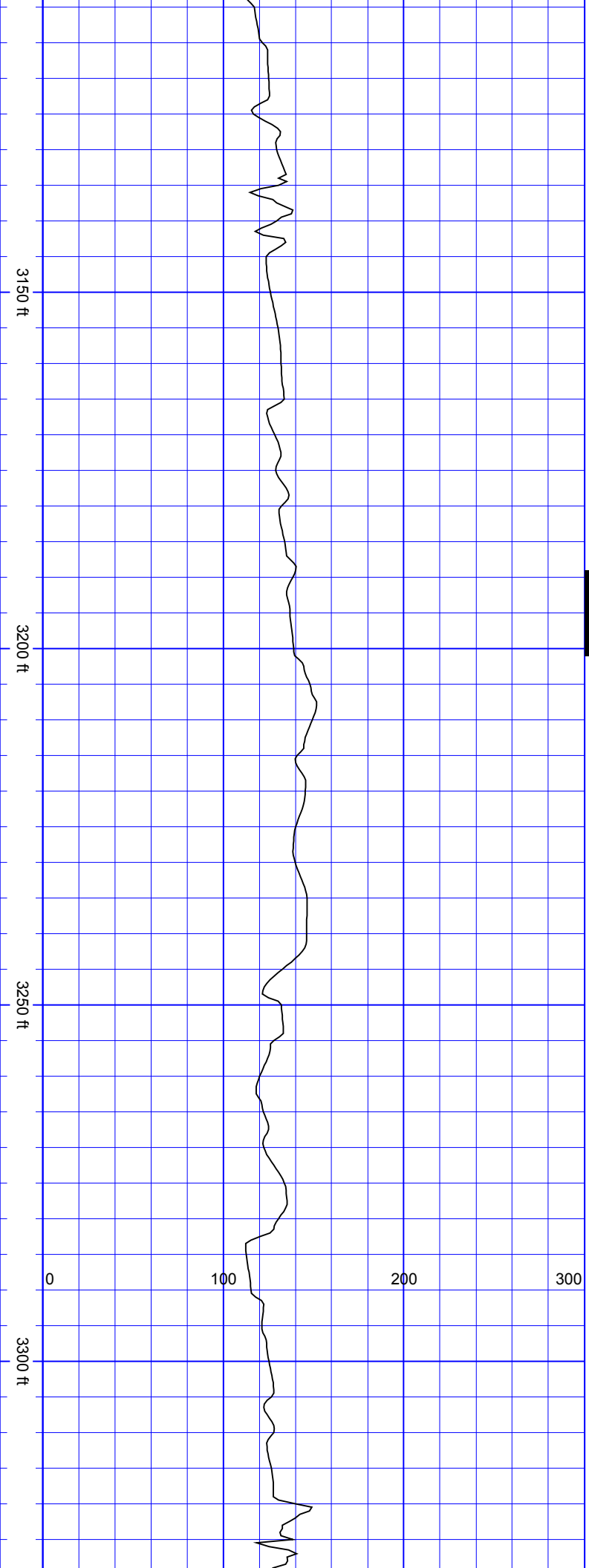
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TVD:2810.35 Inc:11.03  
Azi:211.38 VertSec:-  
289.1





SurveyDepth:2936 TVD:2903.65 Inc:10.72 Azi:210.41 VertSec:-303.48
SurveyDepth:3031 TVD:2997.06 Inc:10.28 Azi:211.38 VertSec:-317.38



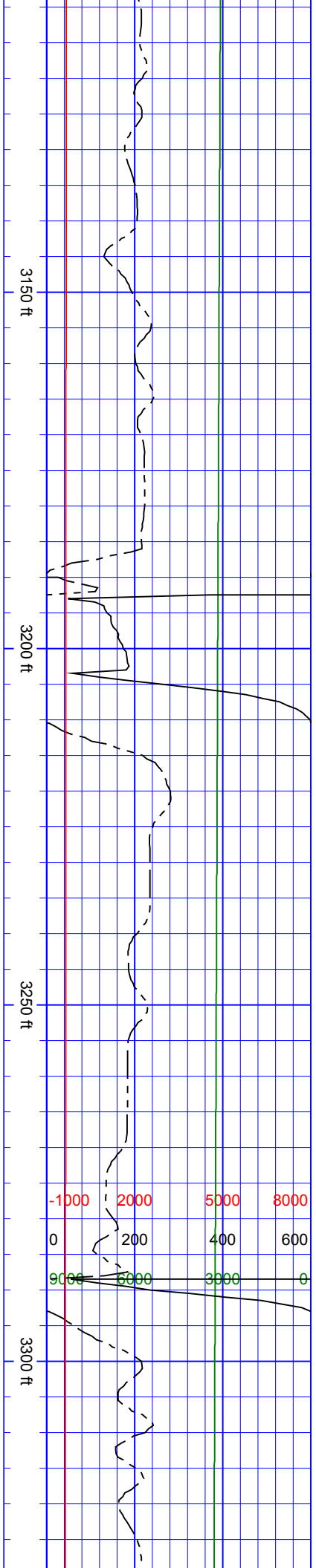


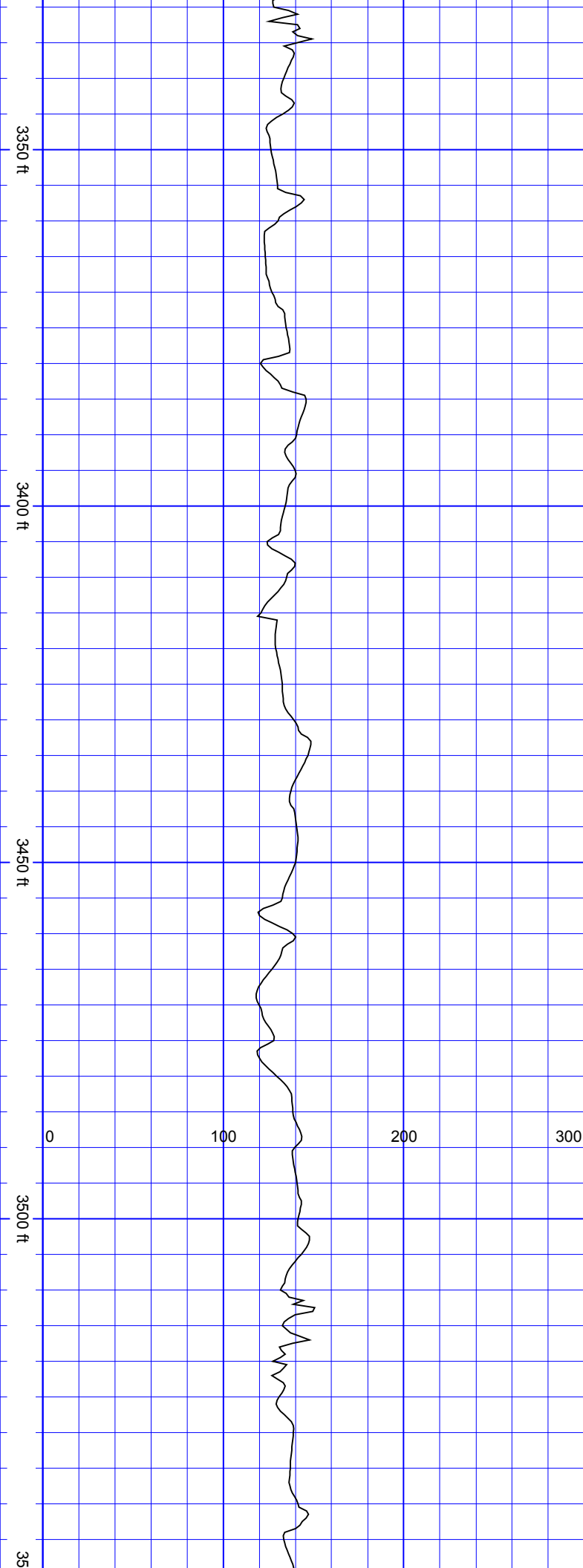
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TVD:3089.62 Inc:9.76  
Azi:214.1 VertSec:-  
330.18

SurveyDepth:3220  
TVD:3183.11 Inc:10.68  
Azi:211.38 VertSec:-  
343.38

SurveyDepth:3314  
TVD:3275.58 Inc:10.06  
Azi:211.2 VertSec:-  
356.89

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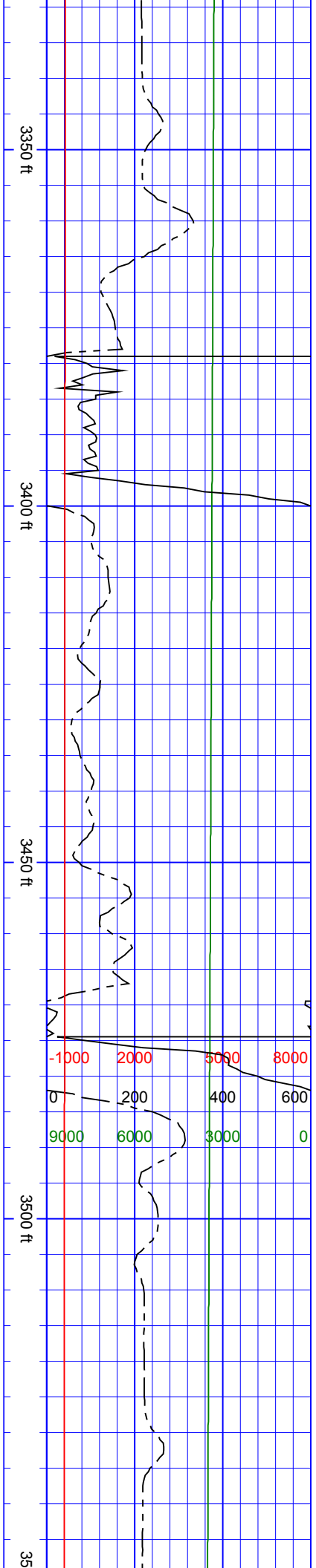




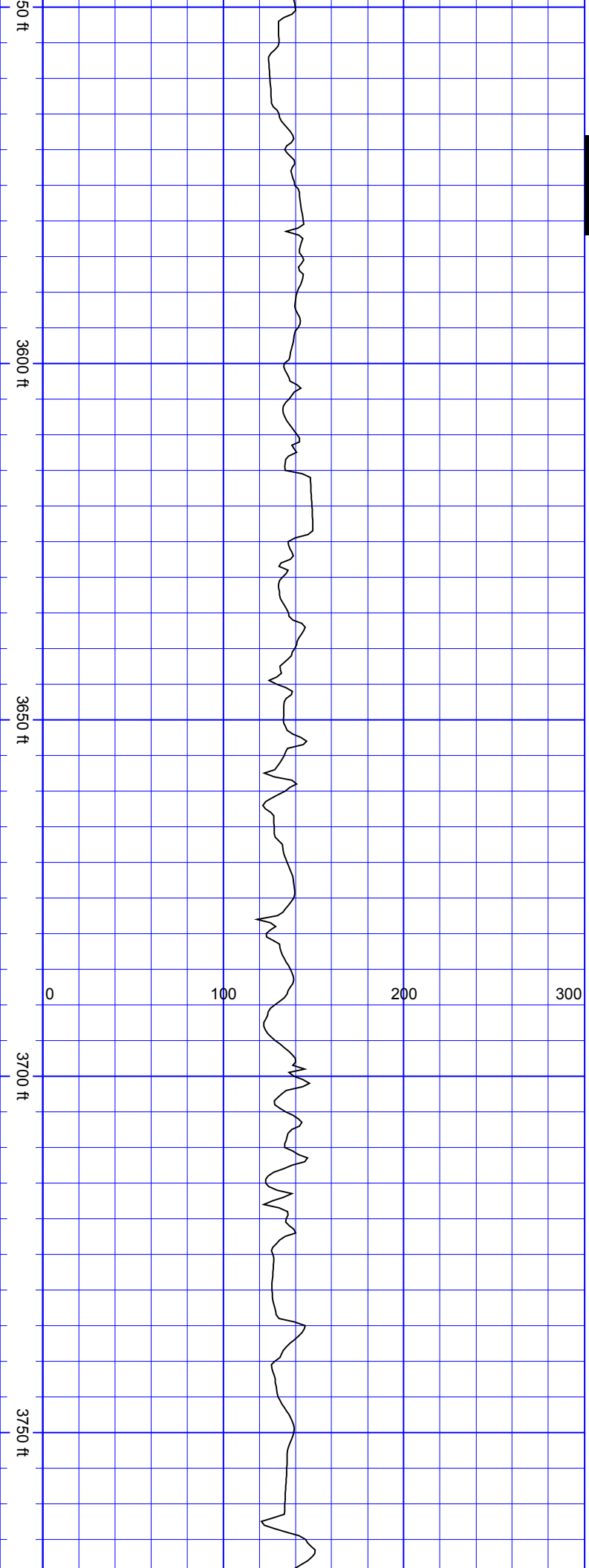
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SurveyDepth:3409  
TVD:3368.86 Inc:11.73  
Azi:206.89 VertSec:-  
371.65

SurveyDepth:3504  
TVD:3462.09 Inc:10.42  
Azi:206.01 VertSec:-  
387.09



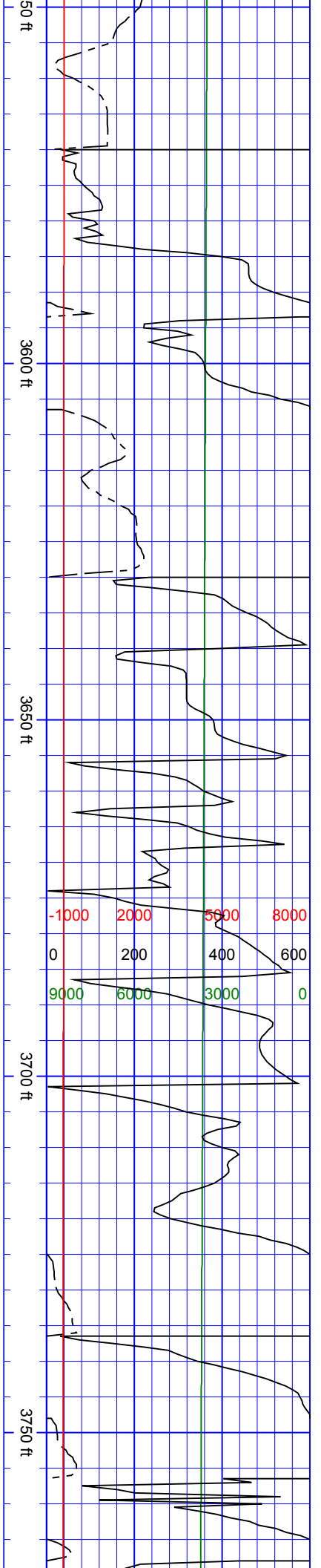


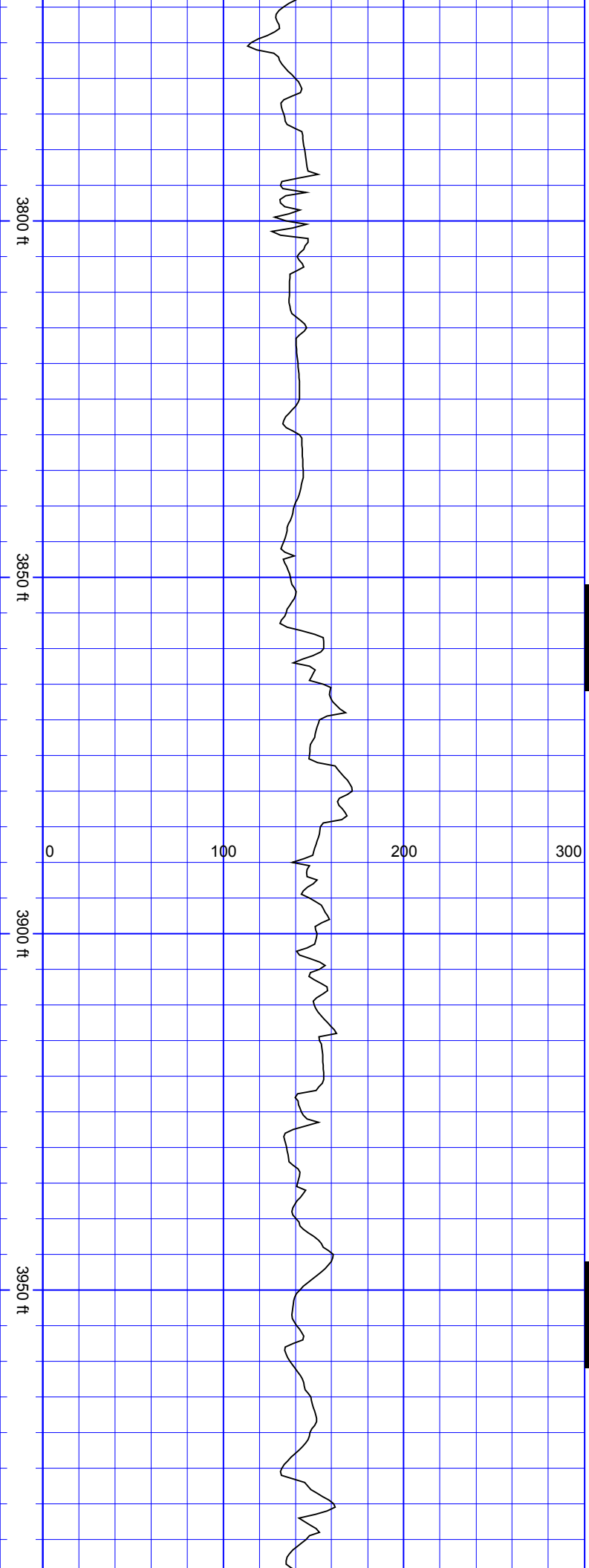


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SurveyDepth:3598  
TVD:3554.41 Inc:11.29  
Azi:209.71 VertSec:-  
401.81

SurveyDepth:3692  
TVD:3646.76 Inc:10.2  
Azi:210.58 VertSec:-  
416.01

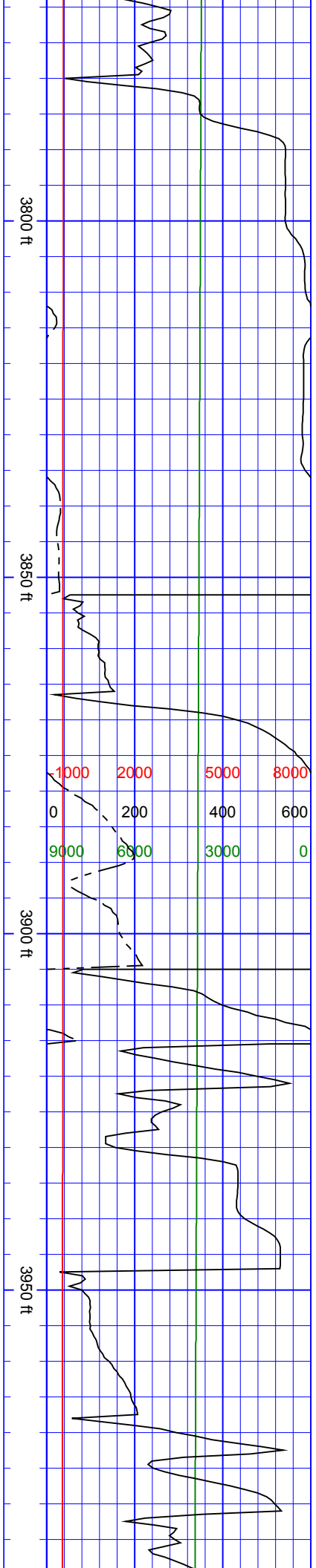


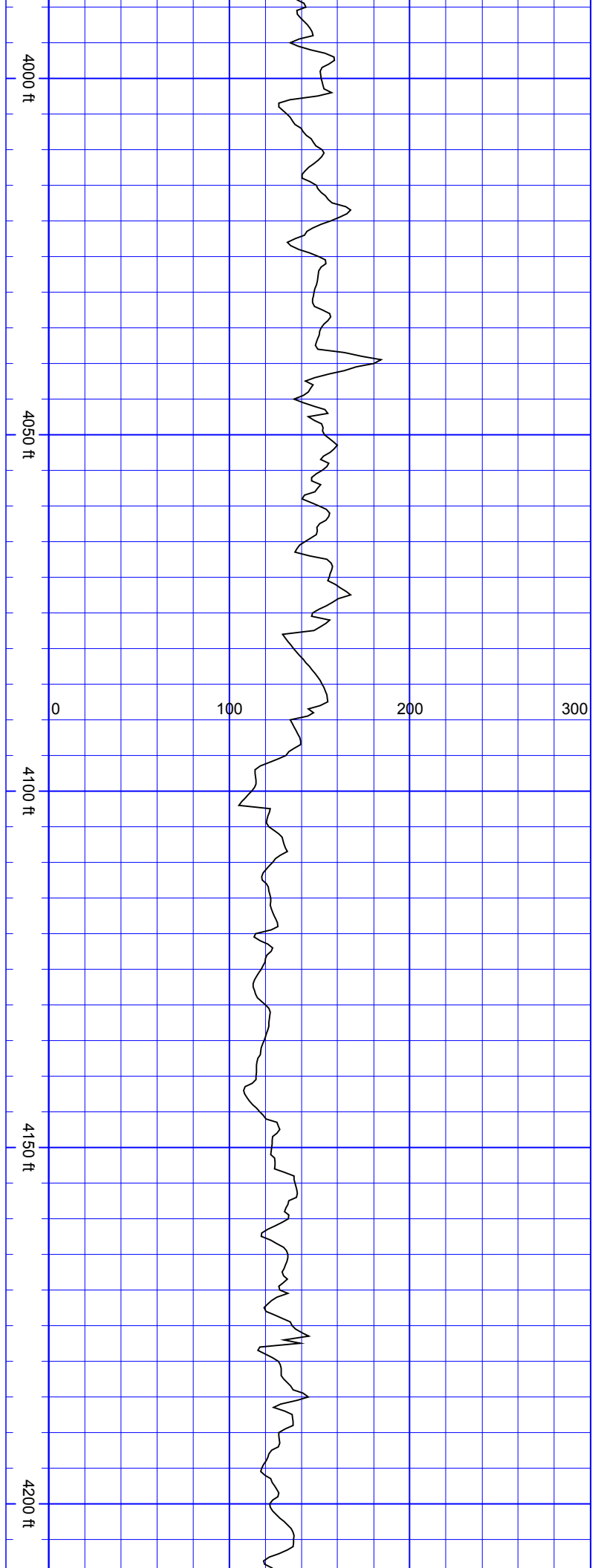


SurveyDepth:3787  
TVD:3740.42 Inc:9.05  
Azi:210.06 VertSec:-  
428.85

SurveyDepth:3882  
TVD:3834.12 Inc:9.93  
Azi:216.12 VertSec:-441

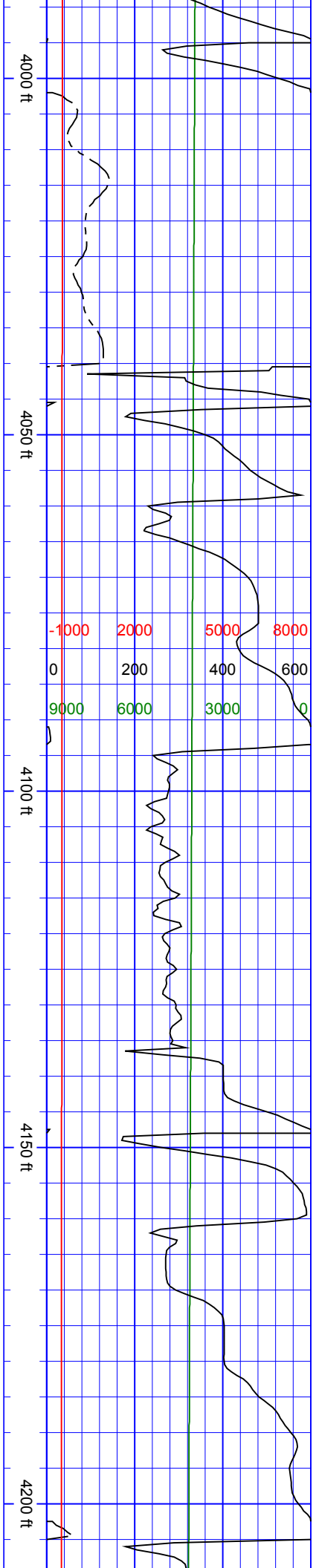
SurveyDepth:3976  
TVD:3926.43 Inc:11.87  
Azi:210.41 VertSec:-  
454.85





SurveyDepth:4071  
TVD:4019.57 Inc:10.81  
Azi:209.62 VertSec:-470

SurveyDepth:4165  
TVD:4111.93 Inc:10.64  
Azi:210.06 VertSec:-484.23



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SurveyDepth:4260  
TVD:4205.04 Inc:12.26  
Azi:216.21 VertSec:-  
498.84

SurveyDepth:4377  
TVD:4319.71 Inc:10.64  
Azi:217.09 VertSec:-516

4250 ft

4300 ft

4350 ft

4400 ft

0 100 200 300

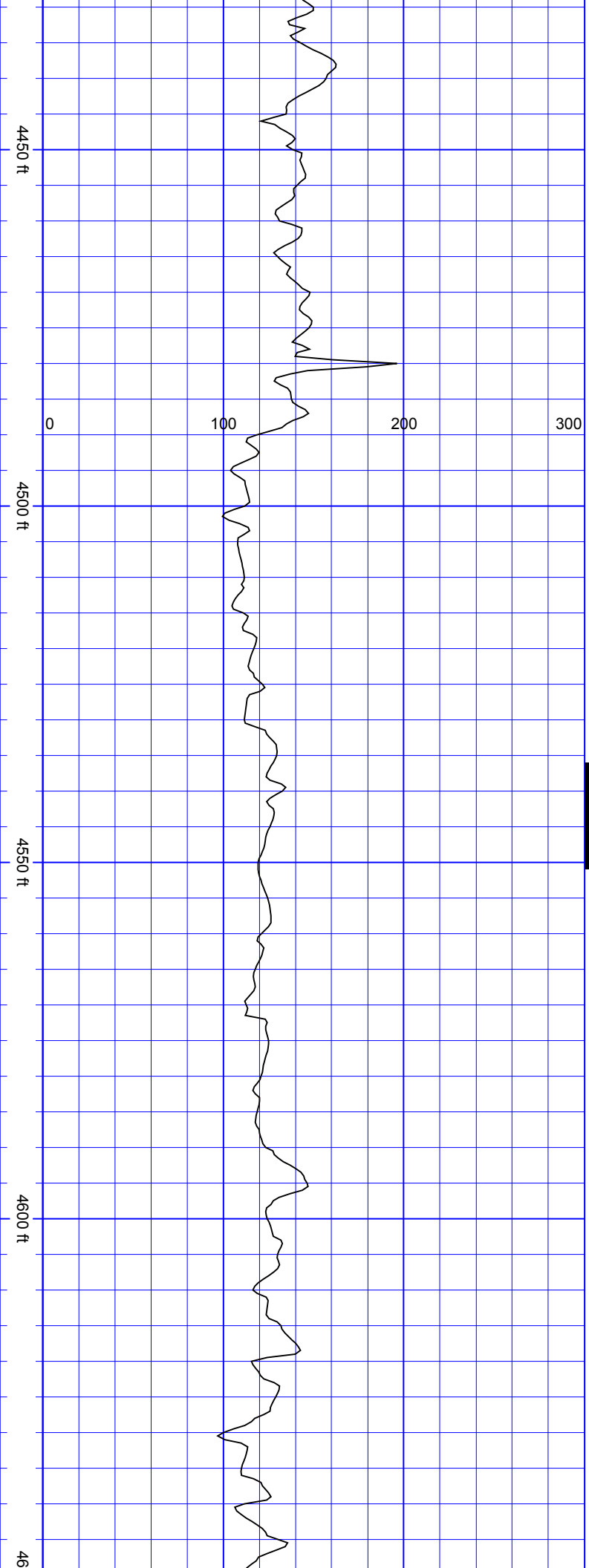
4250 ft

4300 ft

4350 ft

4400 ft

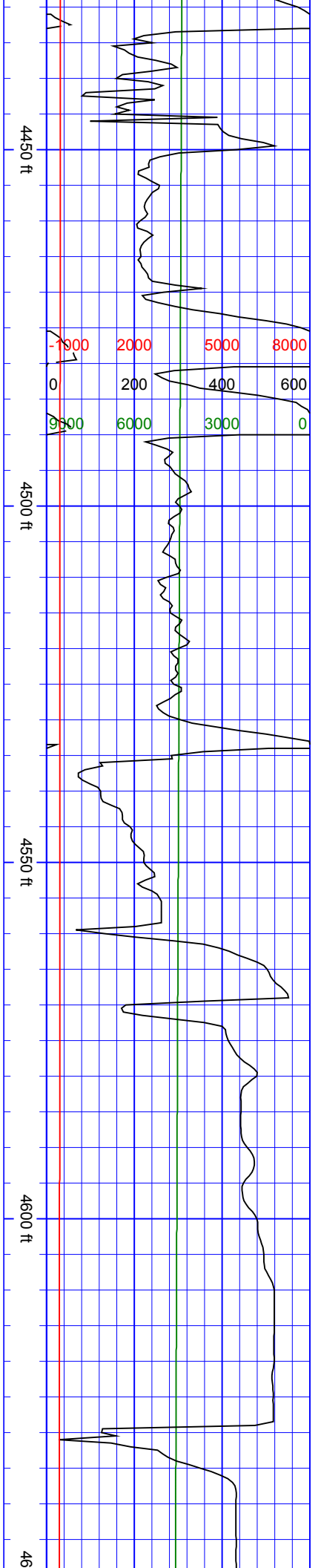
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9000	6000	3000	0

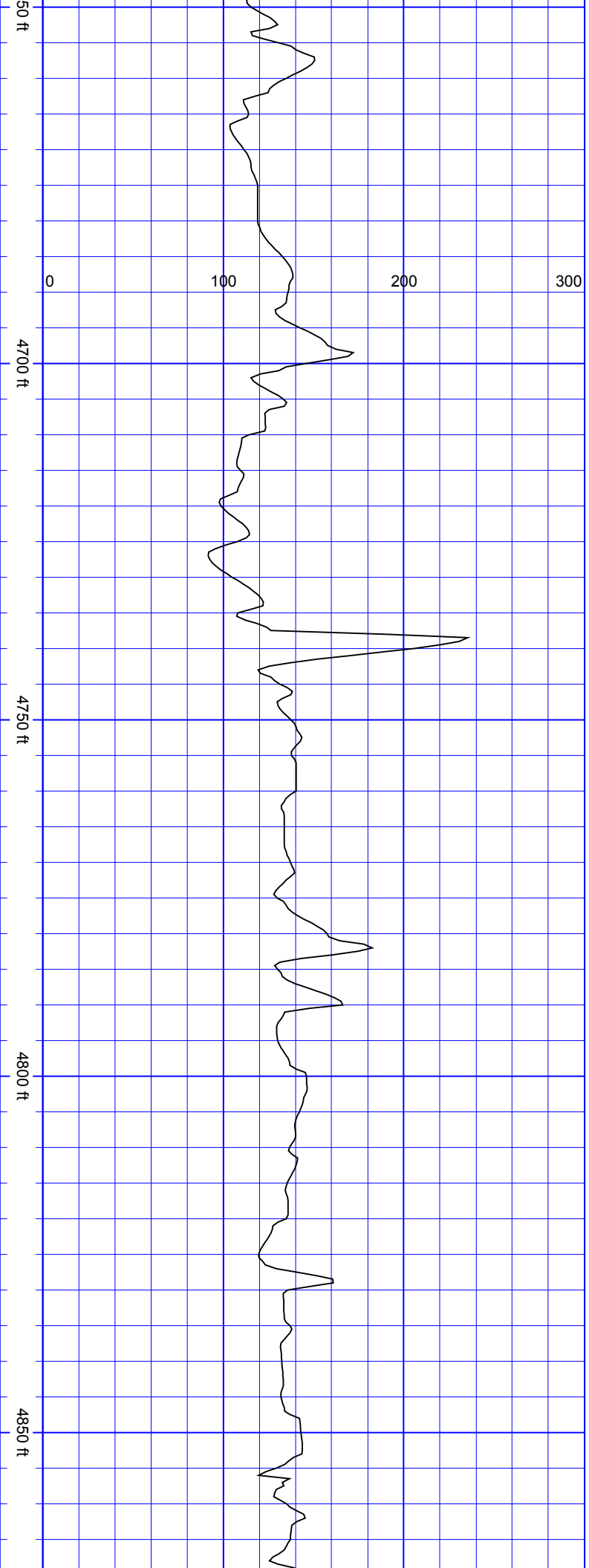


SurveyDepth:4472  
TVD:4413.23 Inc:9.58  
Azi:217.44 VertSec:-  
528.19

SurveyDepth:4566  
TVD:4505.56 Inc:12  
Azi:213.84 VertSec:-  
541.43

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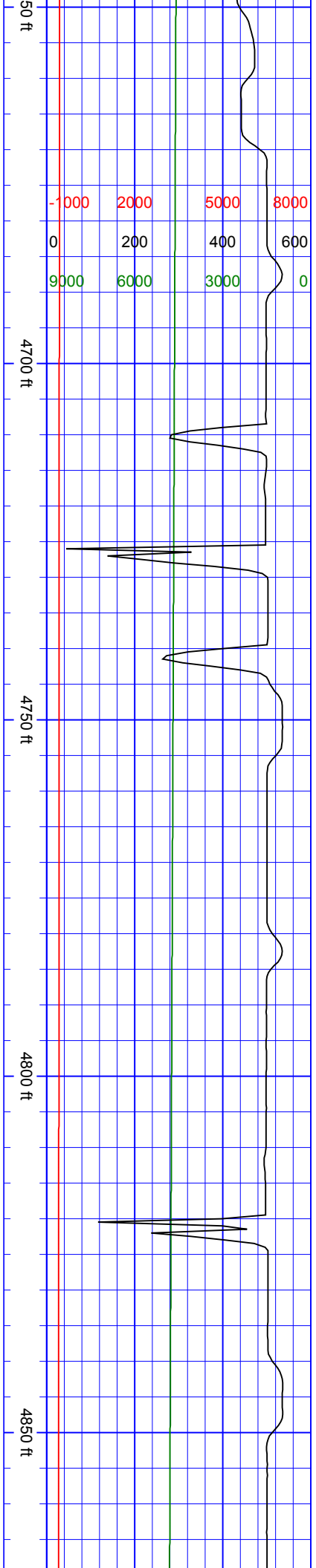


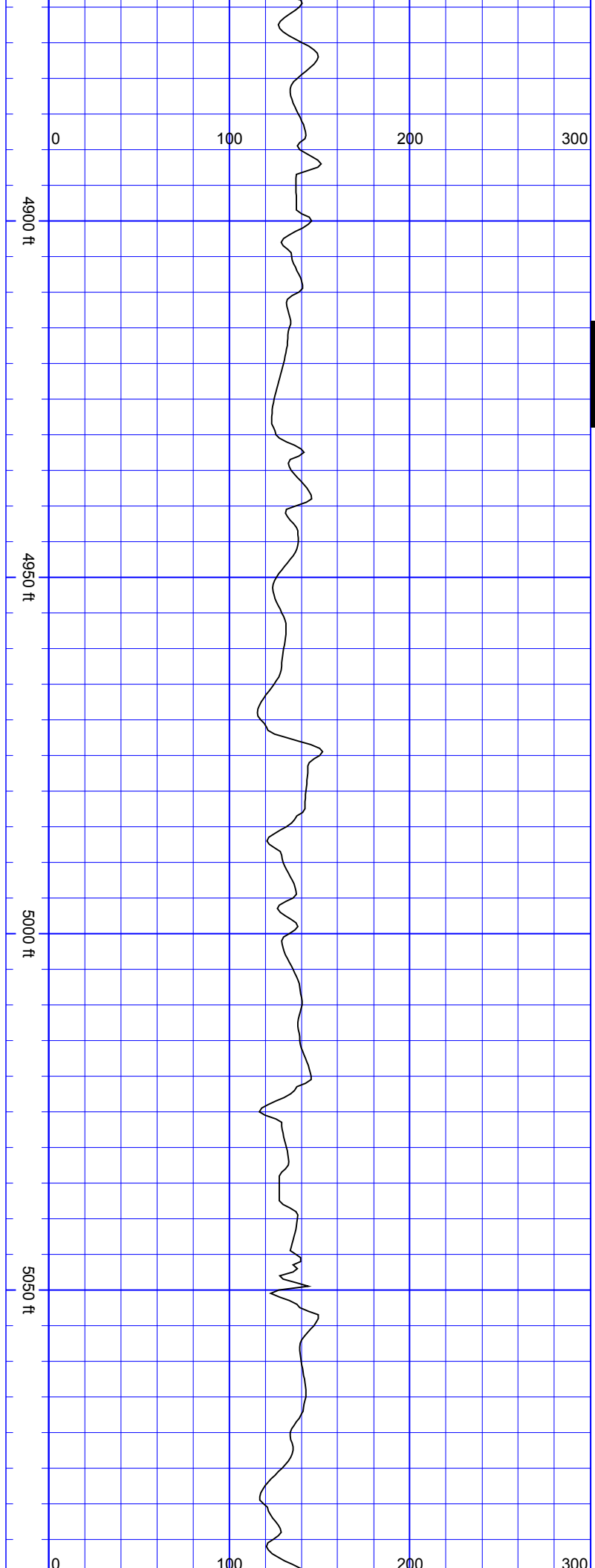


SurveyDepth:4661  
TVD:4598.67 Inc:10.9  
Azi:209.44 VertSec:-  
556.38

SurveyDepth:4756  
TVD:4692.04 Inc:10.37  
Azi:208.21 VertSec:-  
570.81

SurveyDepth:4850  
TVD:4784.56 Inc:10.02  
Azi:206.54 VertSec:-  
584.74

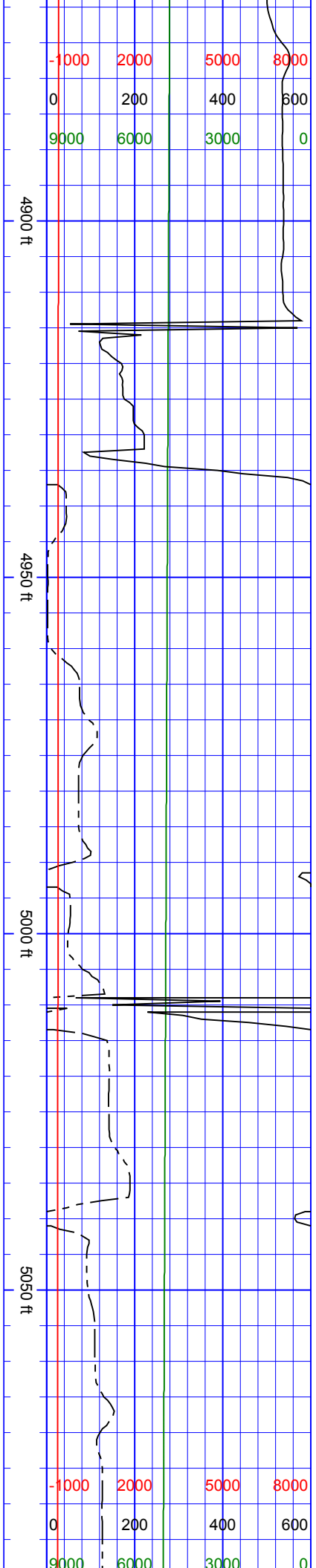


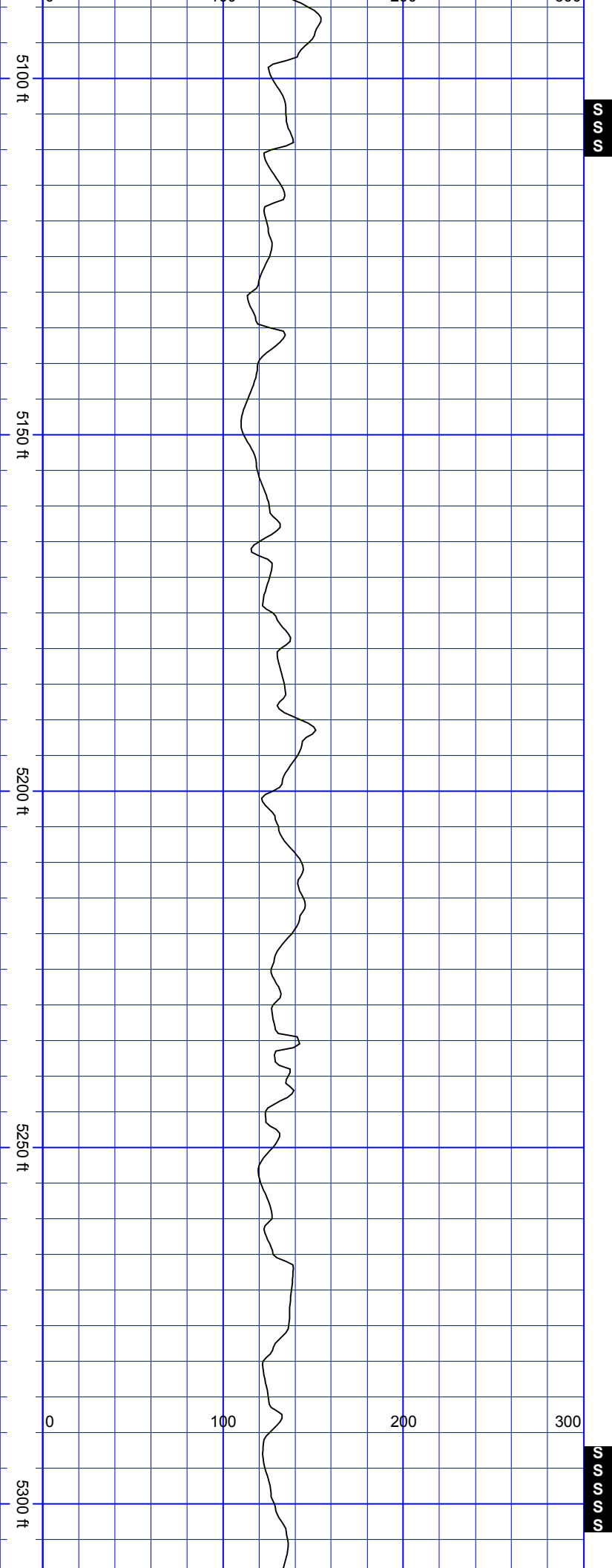


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SurveyDepth:4945  
TVD:4877.75 Inc:12.31  
Azi:210.23 VertSec:-  
599.93

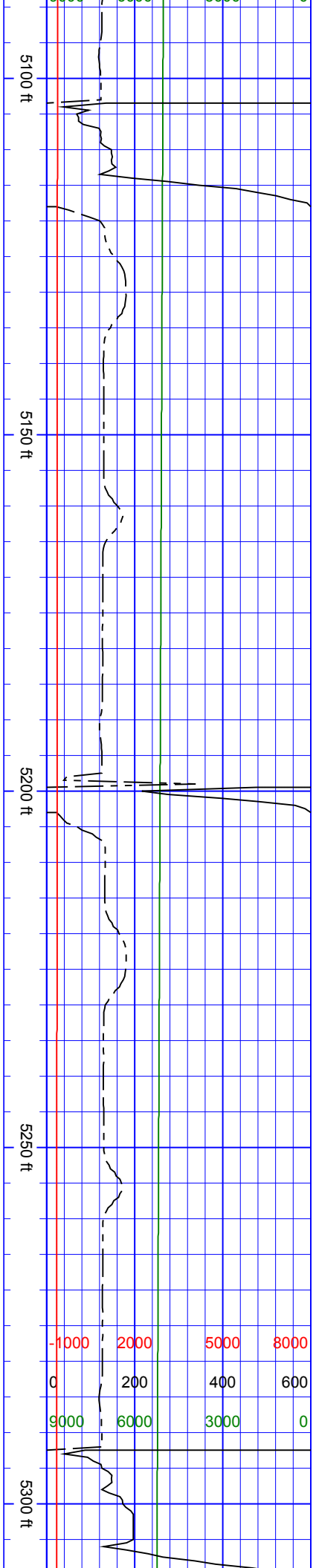
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TVD:4969.76 Inc:11.34  
Azi:209.09 VertSec:-  
615.62





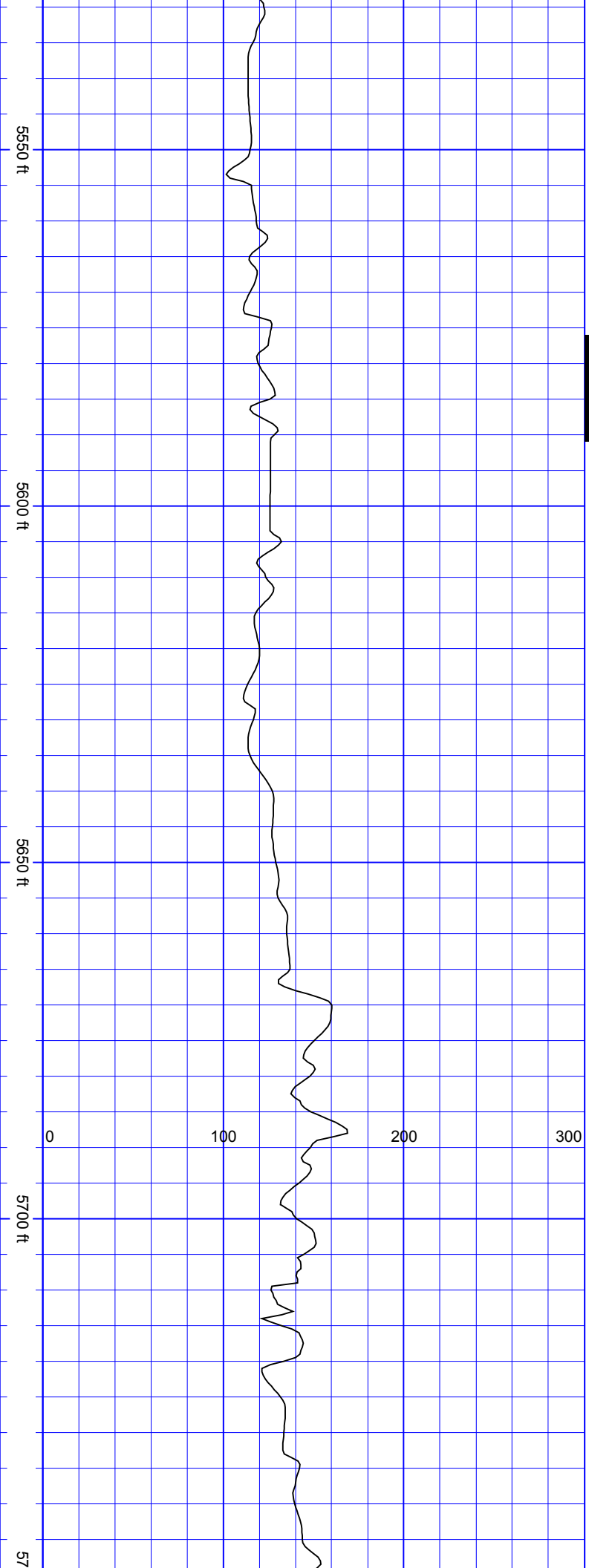
SurveyDepth:5134  
TVD:5062.99 Inc:10.81  
Azi:214.89 VertSec:-  
630.05

SurveyDepth:5228  
TVD:5155.54 Inc:9.36  
Azi:215.68 VertSec:-  
642.47





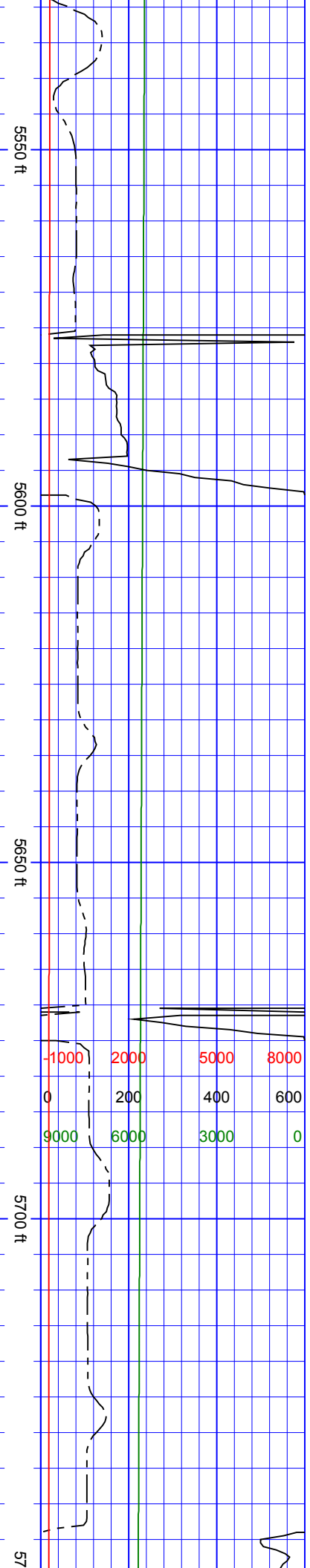


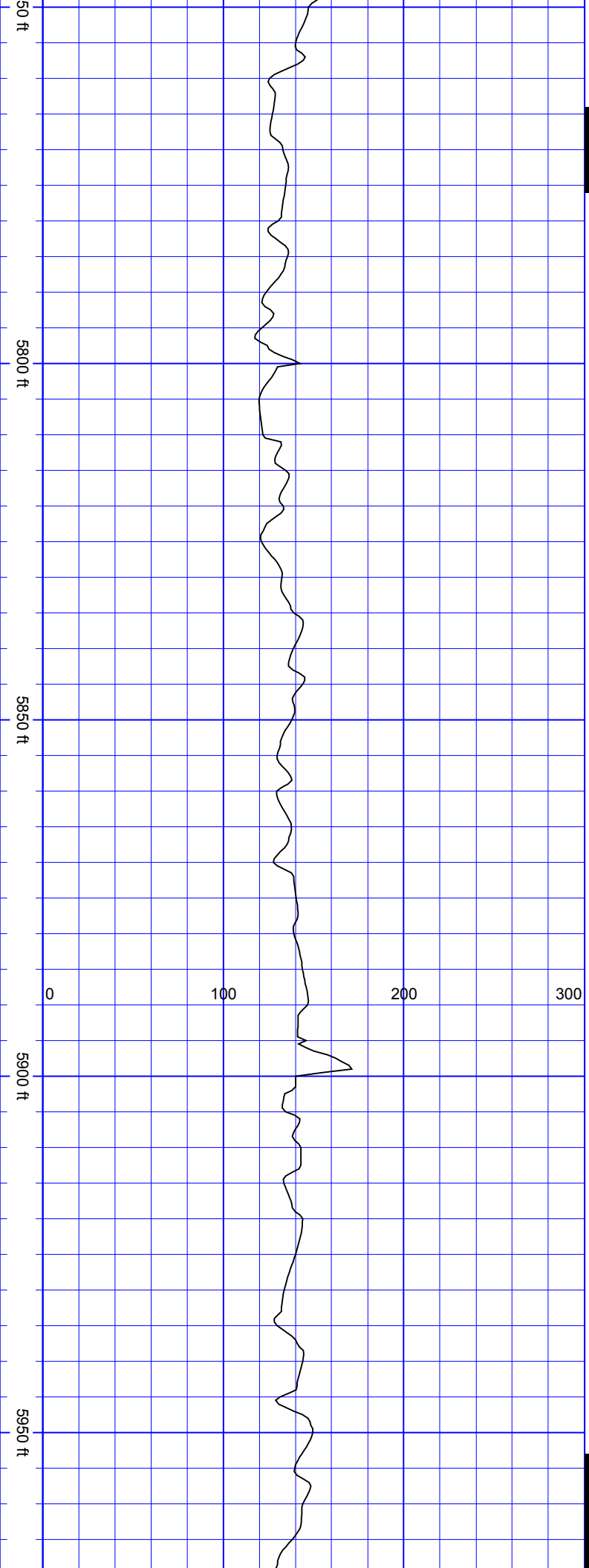


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SurveyDepth:5606  
TVD:5526.88 Inc:13.32  
Azi:210.85 VertSec:-  
698.16

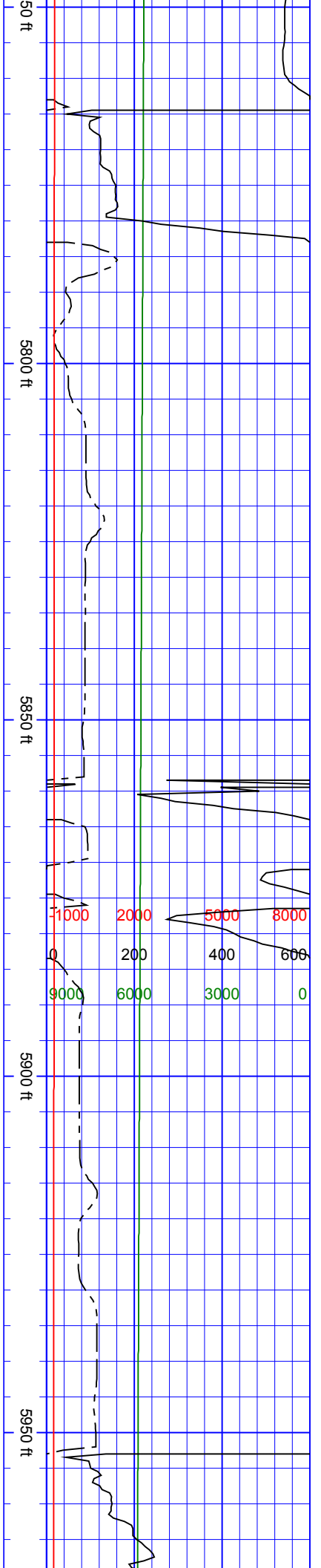
SurveyDepth:5700  
TVD:5618.82 Inc:10.68  
Azi:211.38 VertSec:-  
713.8

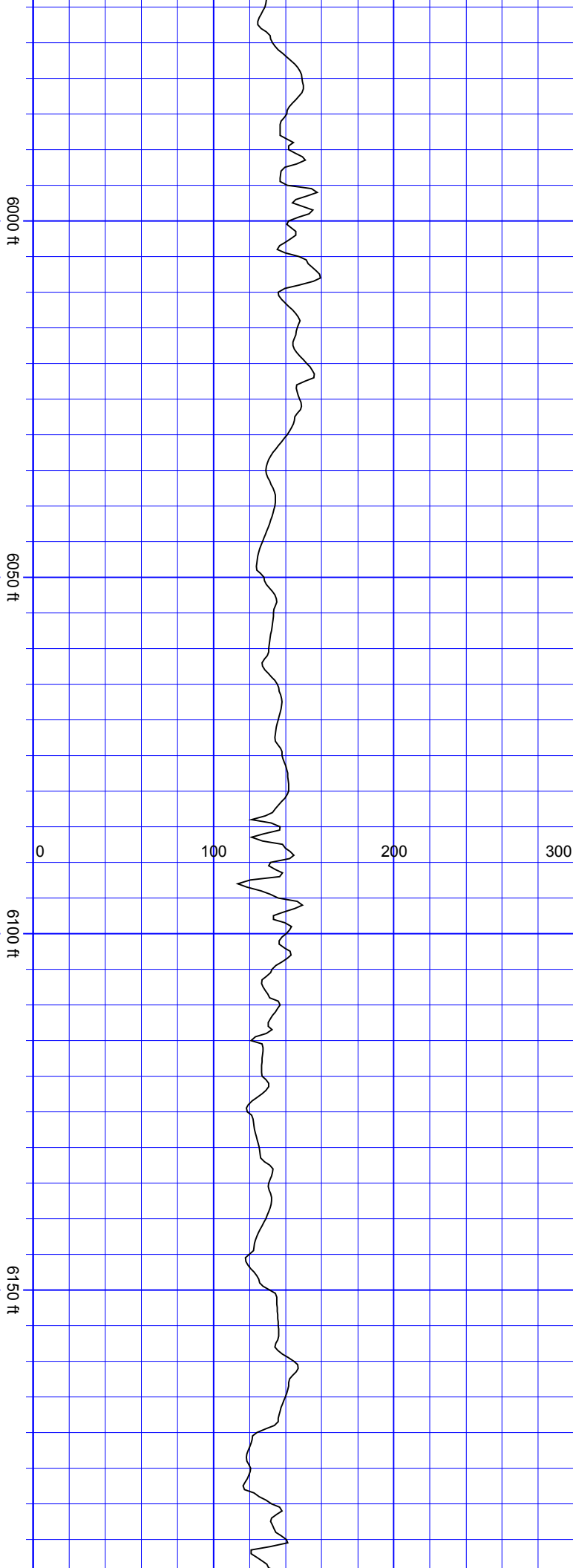




SurveyDepth:5794  
TVD:5711.17 Inc:10.85  
Azi:216.82 VertSec:-  
727.26

SurveyDepth:5889  
TVD:5804.81 Inc:8.48  
Azi:216.47 VertSec:-  
739.03

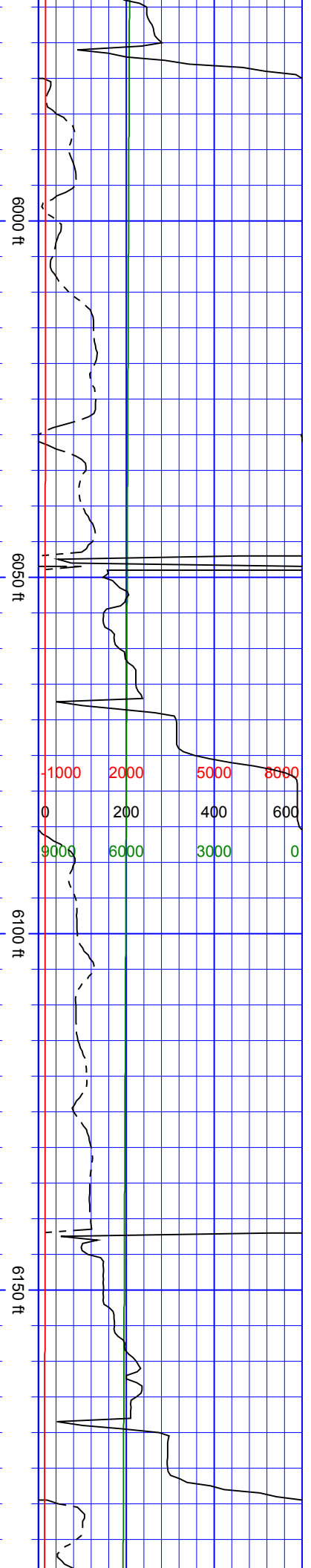


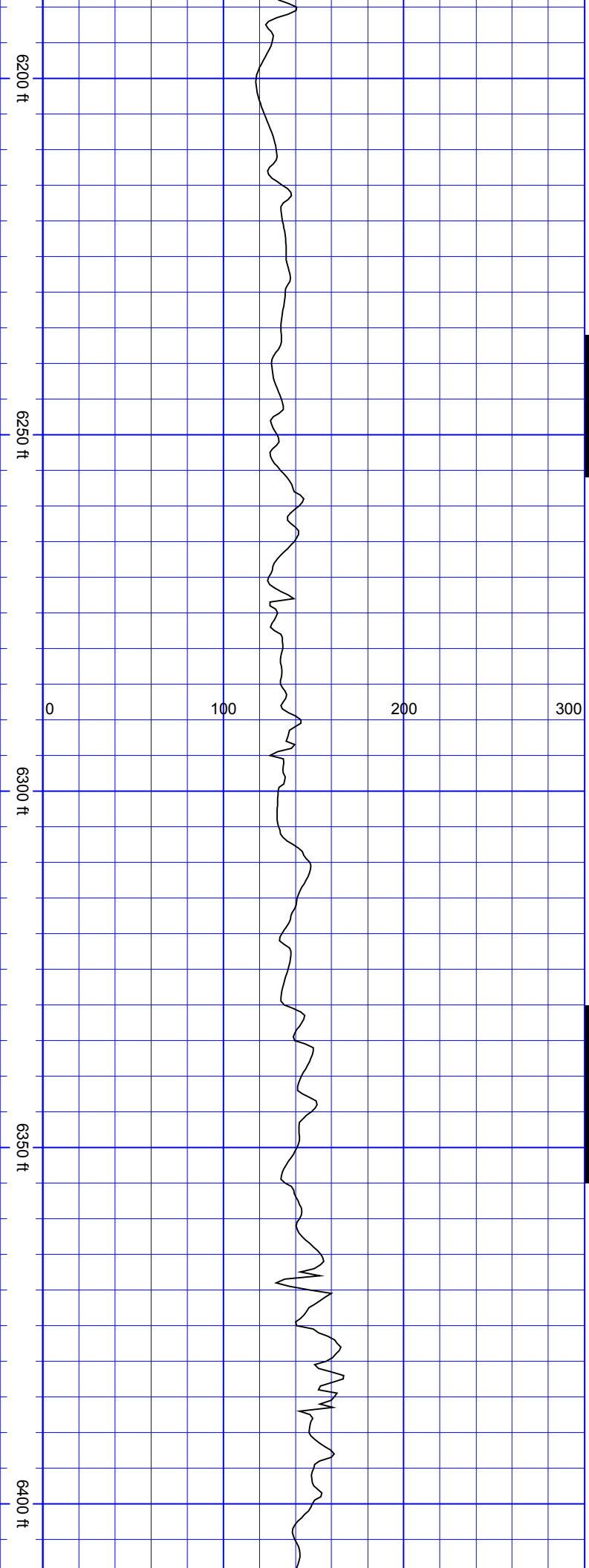


SurveyDepth:5983  
TVD:5897.64 Inc:9.62  
Azi:215.77 VertSec:-  
750.05

SurveyDepth:6078  
TVD:5991.45 Inc:8.57  
Azi:207.33 VertSec:-  
761.92

SurveyDepth:6172  
TVD:6084.14 Inc:10.5  
Azi:209.18 VertSec:-  
774.81



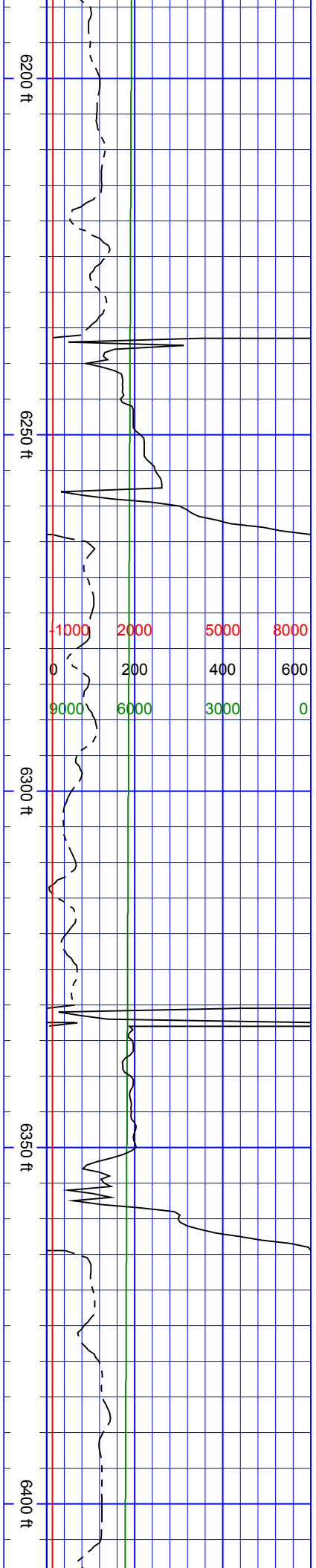


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SurveyDepth:6266  
TVD:6176.61 Inc:10.24  
Azi:217 VertSec:-787.97

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SurveyDepth:6361  
TVD:6270.35 Inc:8.48  
Azi:219.9 VertSec:-799.07





6650 ft

6700 ft

6750 ft

6800 ft

68

SurveyDepth:6644  
TVD:6548.21 Inc:9.71  
Azi:240.29 VertSec:-  
833.54

SurveyDepth:6691  
TVD:6594.41 Inc:12.17  
Azi:277.47 VertSec:-  
834.02

SurveyDepth:6738  
TVD:6640.09 Inc:15.25  
Azi:299.35 VertSec:-  
829.33

SurveyDepth:6785  
TVD:6685.42 Inc:15.43  
Azi:306.65 VertSec:-  
821.56

SurveyDepth:6833  
TVD:6731.76 Inc:14.9  
Azi:317.72 VertSec:-  
812.29

6650 ft

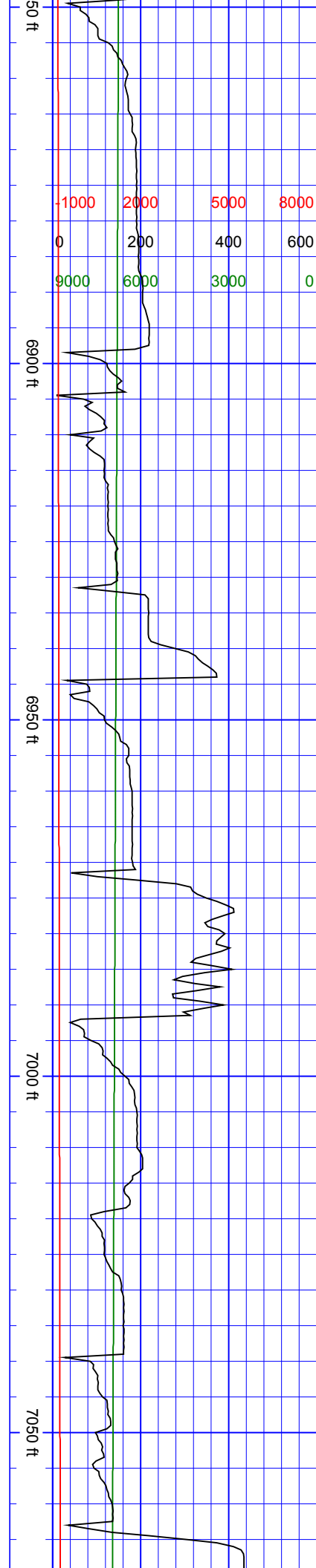
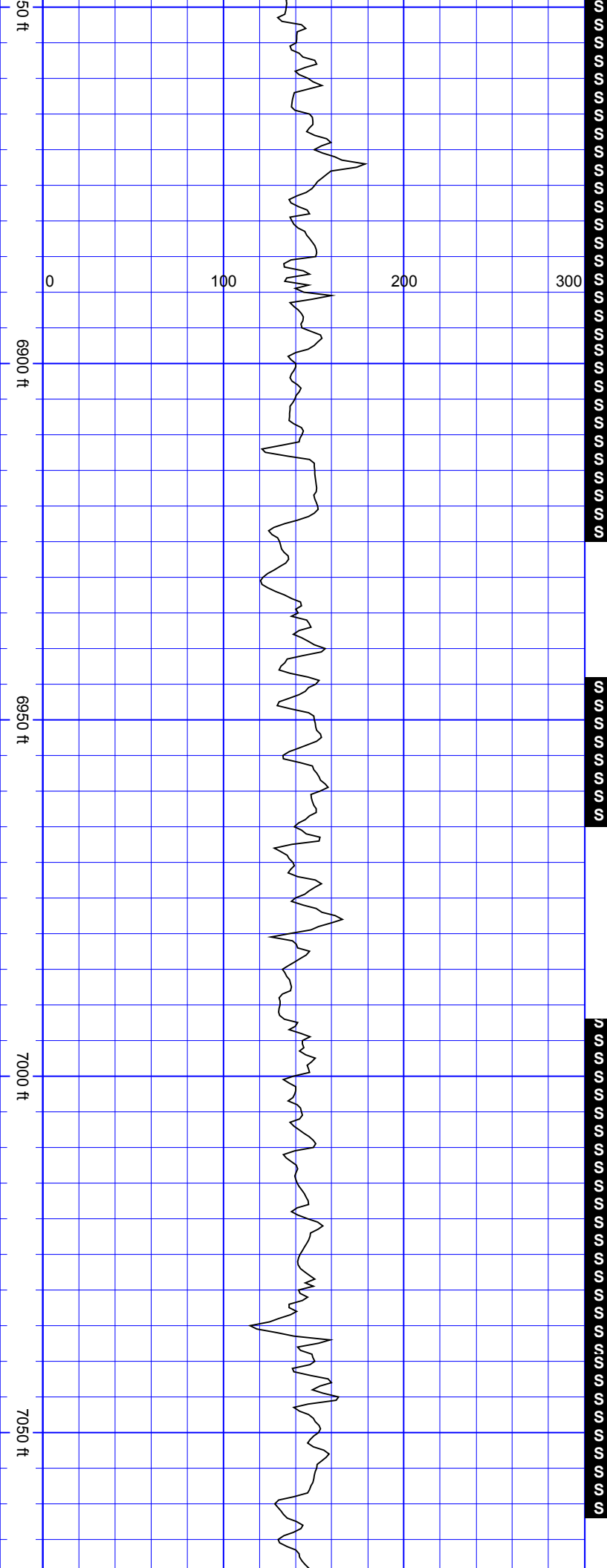
6700 ft

6750 ft

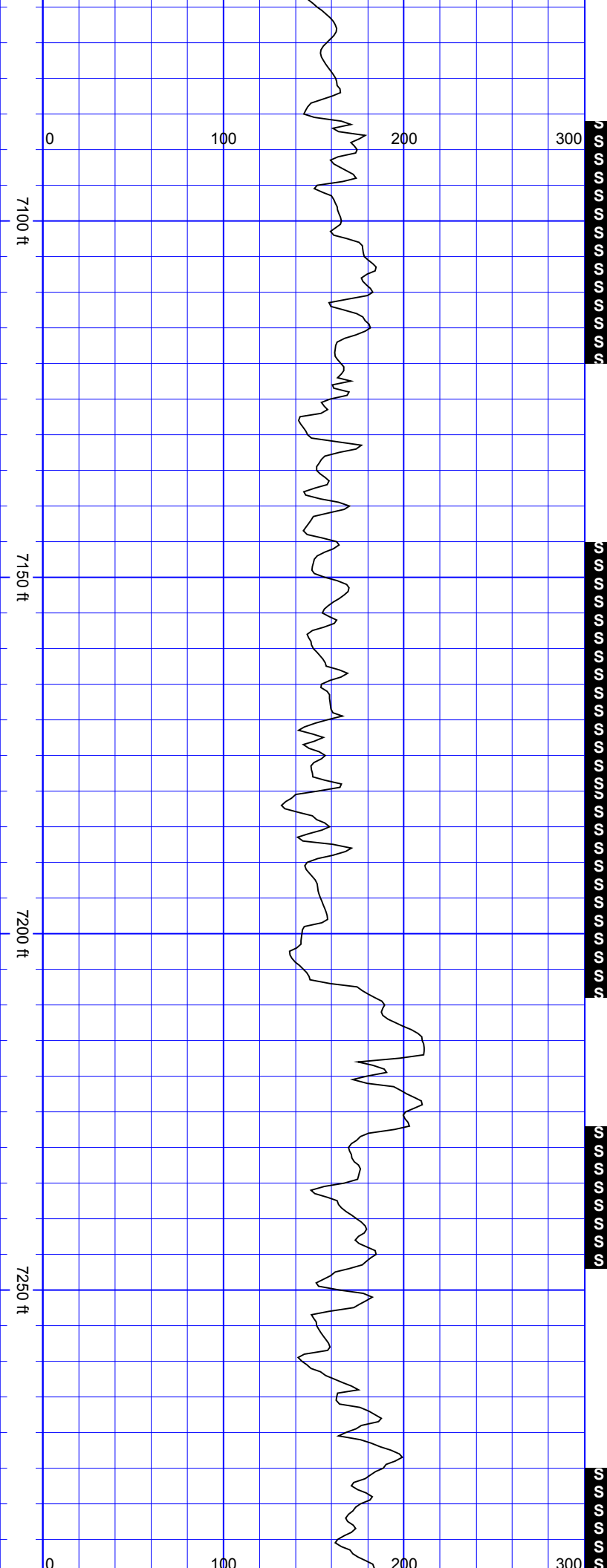
6800 ft

68

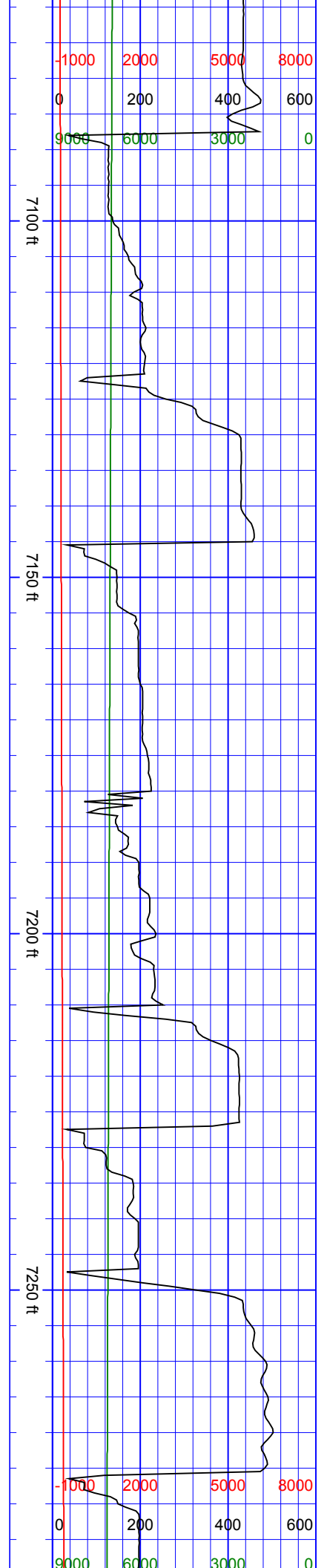
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9000	6000	3000	0

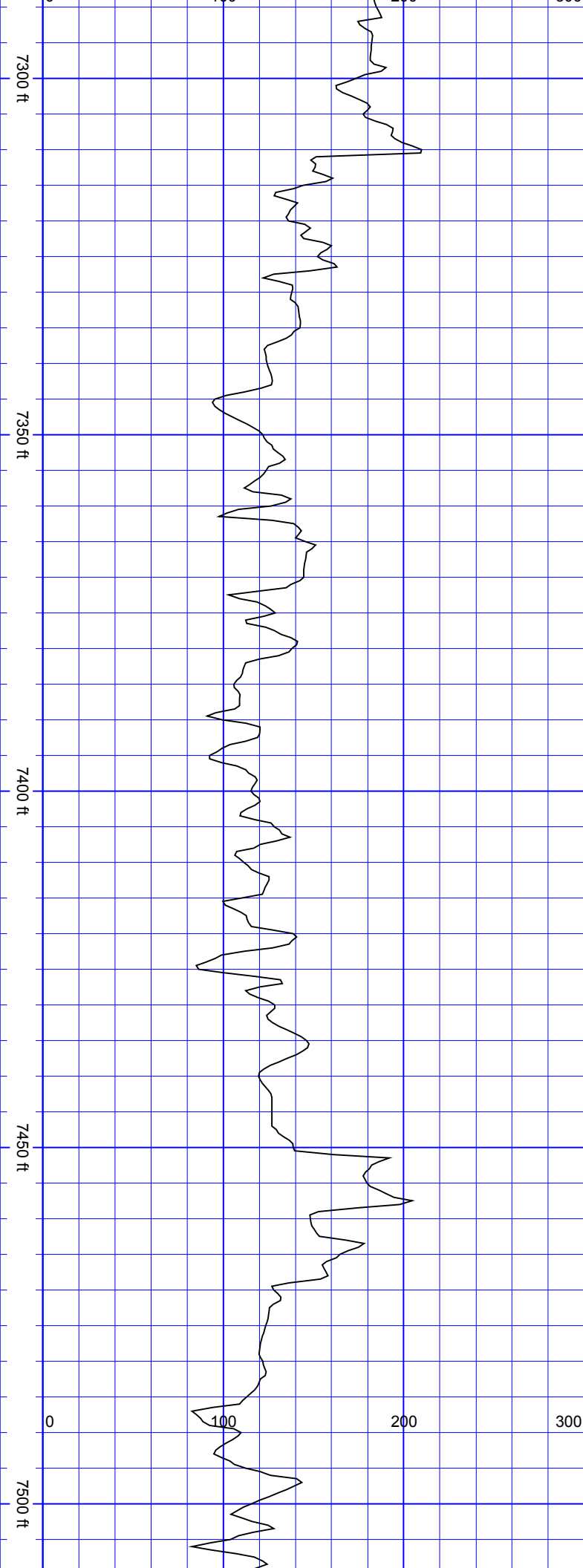






SurveyDepth:7069 TVD:6952.83 Inc:26.63 Azi:357.36 VertSec:-732.89
SurveyDepth:7116 TVD:6994.1 Inc:30.5 Azi:354.29 VertSec:-710.43
SurveyDepth:7163 TVD:7033.79 Inc:34.23 Azi:352.97 VertSec:-685.28
SurveyDepth:7211 TVD:7072.29 Inc:39.07 Azi:353.32 VertSec:-656.64
SurveyDepth:7258 TVD:7108.11 Inc:41.62 Azi:354.02 VertSec:-626.22





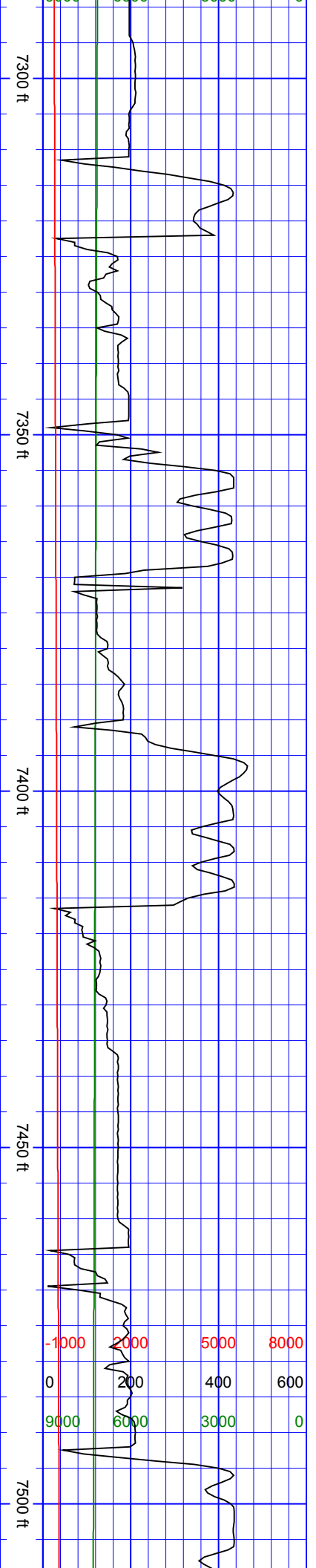
SurveyDepth:7305  
TVD:7142.18 Inc:45.44  
Azi:353.06 VertSec:-  
593.86

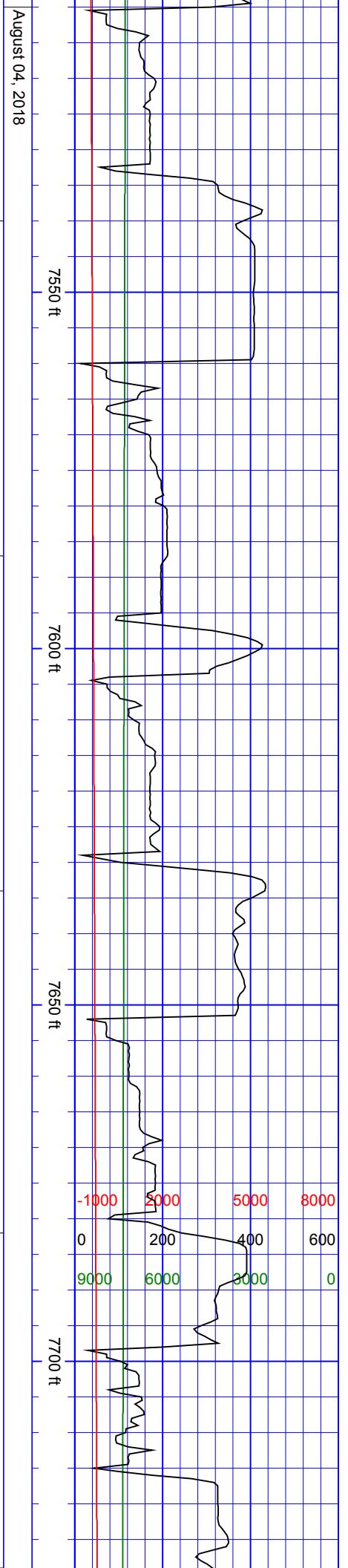
SurveyDepth:7352  
TVD:7174.56 Inc:47.46  
Azi:353.85 VertSec:-  
559.8

SurveyDepth:7399  
TVD:7205.48 Inc:50.27  
Azi:354.2 VertSec:-  
524.41

SurveyDepth:7446  
TVD:7234.03 Inc:54.89  
Azi:353.93 VertSec:-  
487.09

SurveyDepth:7493  
TVD:7259.61 Inc:59.15  
Azi:355.6 VertSec:-  
447.67



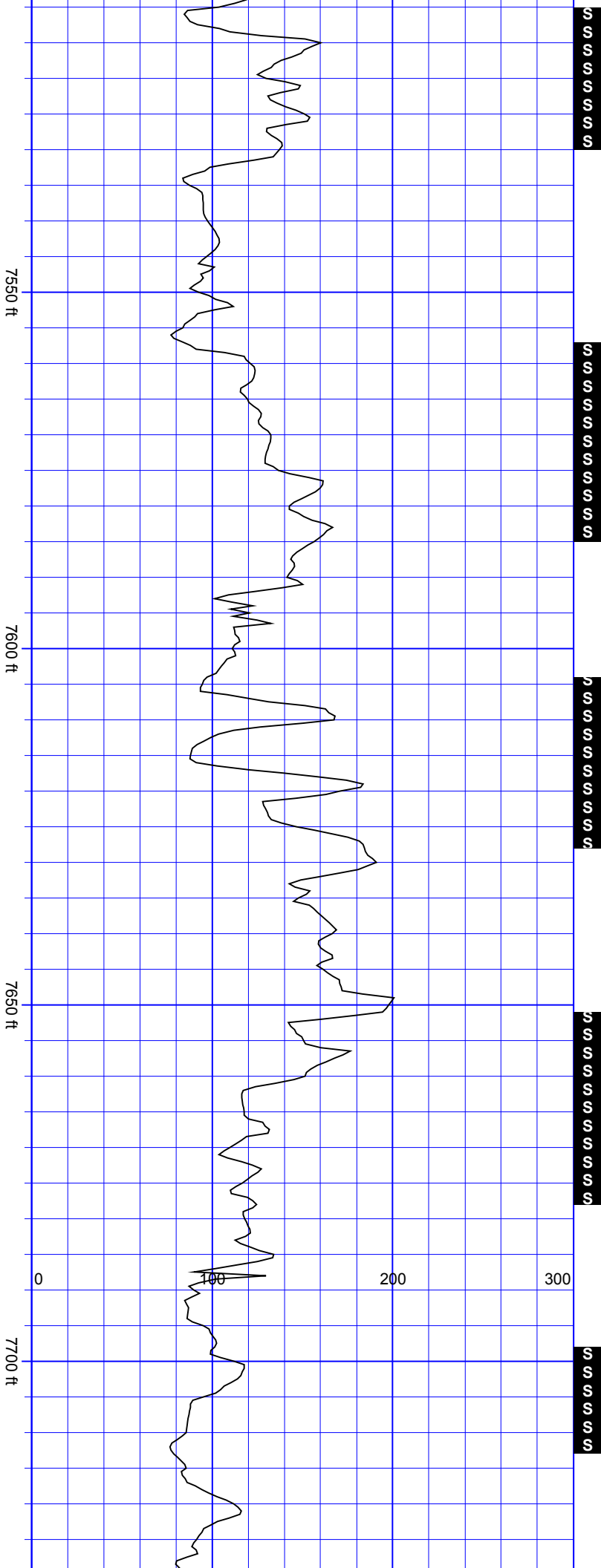


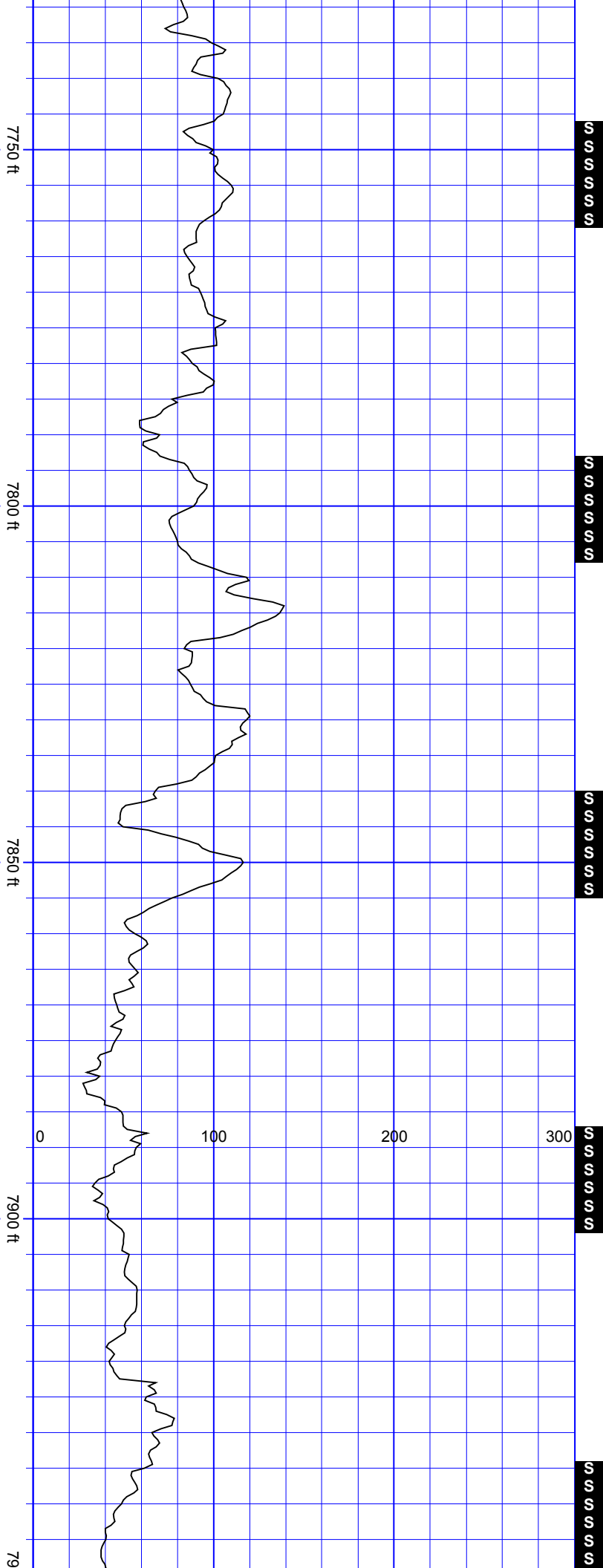
SurveyDepth:7540  
TVD:7282.84 Inc:61.61  
Azi:355.87 VertSec:-  
406.83

SurveyDepth:7587  
TVD:7304.11 Inc:64.56  
Azi:355.6 VertSec:-  
364.94

SurveyDepth:7634  
TVD:7322.75 Inc:68.69  
Azi:356.22 VertSec:-  
321.83

SurveyDepth:7682  
TVD:7338.69 Inc:72.51  
Azi:356.48 VertSec:-  
276.59





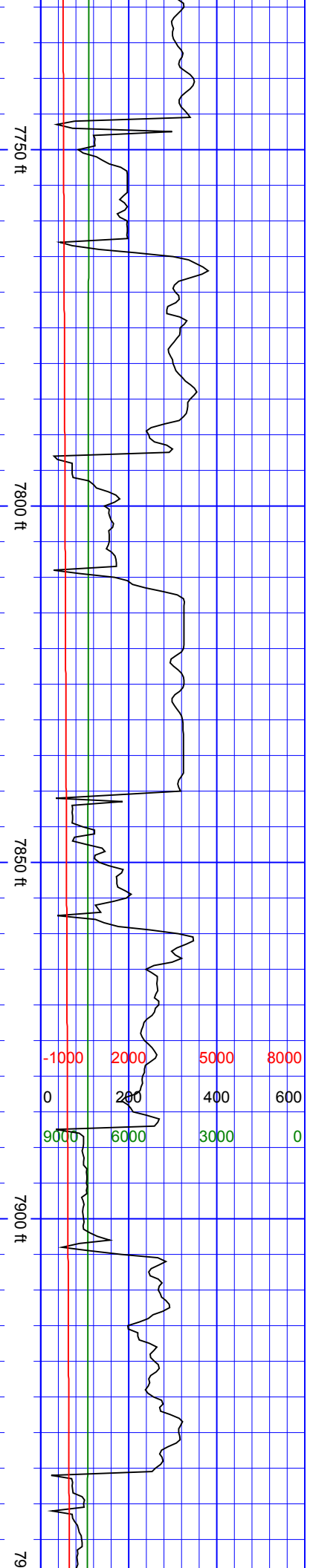
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TVD:7352.08 Inc:74.4  
Azi:357.54 VertSec:-  
231.59

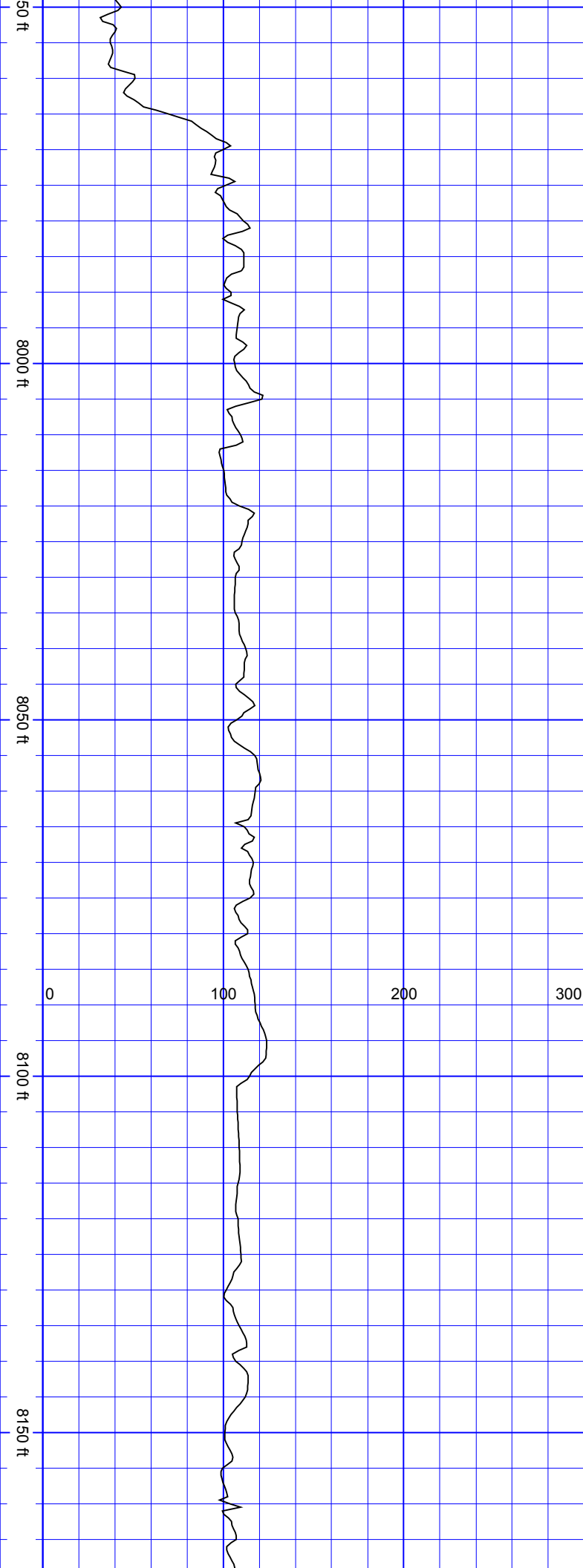
SurveyDepth:7776  
TVD:7364.11 Inc:75.94  
Azi:358.77 VertSec:-  
186.27

SurveyDepth:7823  
TVD:7374.75 Inc:77.87  
Azi:358.24 VertSec:-  
140.62

SurveyDepth:7870  
TVD:7383.75 Inc:80.07  
Azi:359.3 VertSec:-94.63

SurveyDepth:7917  
TVD:7391.6 Inc:80.68  
Azi:359.21 VertSec:-  
48.47

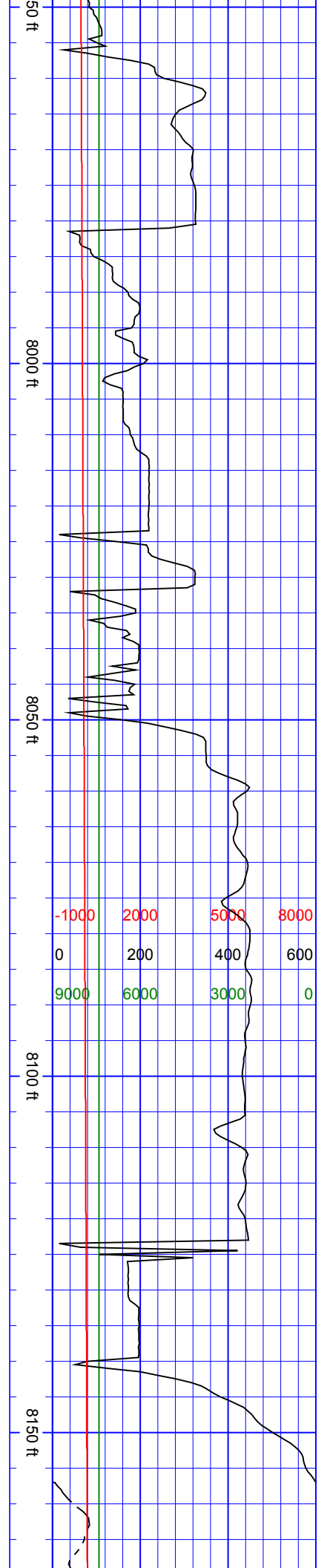


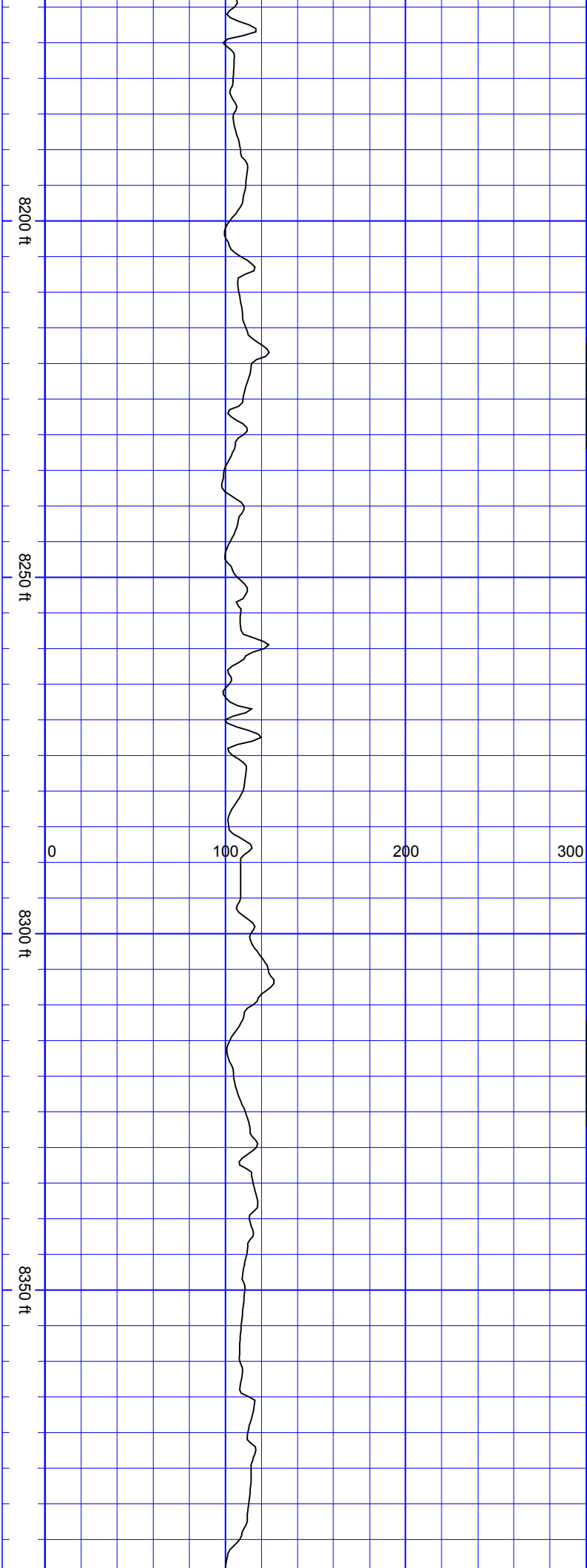


SurveyDepth:7964  
TVD:7398.89 Inc:81.48  
Azi:360 VertSec:-2.24

SurveyDepth:8059  
TVD:7407.4 Inc:88.24  
Azi:3.07 VertSec:91.54

SurveyDepth:8153  
TVD:7409.1 Inc:89.69  
Azi:1.14 VertSec:184.64



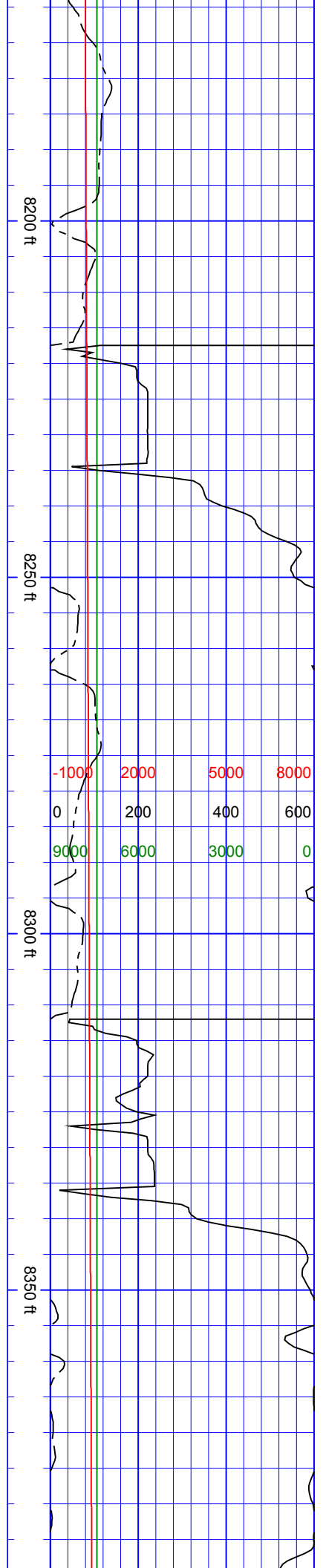


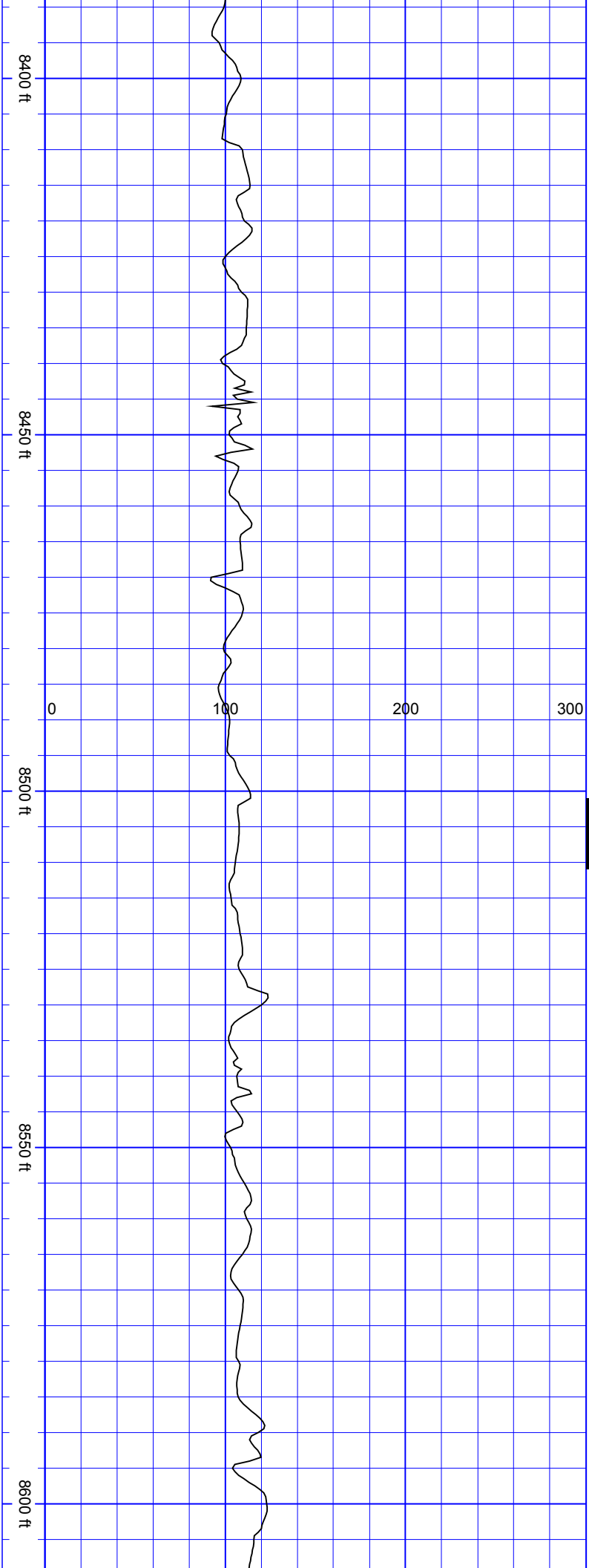
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SurveyDepth:8248  
TVD:7408.37 Inc:91.19  
Azi:360 VertSec:279.05

SSSSSS

SurveyDepth:8342  
TVD:7407.93 Inc:89.34  
Azi:358.42  
VertSec:372.69

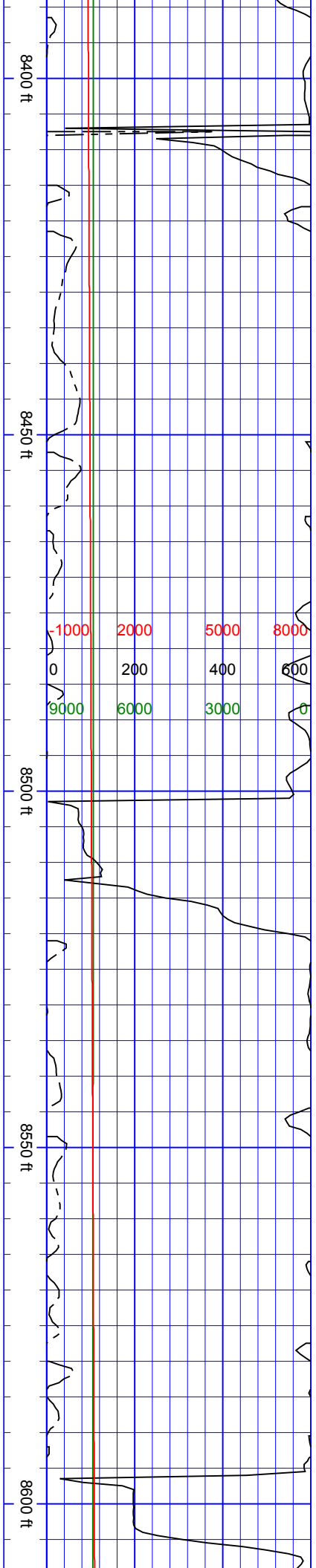




SurveyDepth:8437  
TVD:7409.35 Inc:88.95  
Azi:358.77  
VertSec:467.41

SSS

SurveyDepth:8532  
TVD:7410.66 Inc:89.47  
Azi:356.83  
VertSec:562.21



8650 ft

0 100 200 300

8700 ft

8750 ft

8800 ft

SurveyDepth:8626  
TVD:7412.14 Inc:88.73  
Azi:356.83  
VertSec:656.11

SurveyDepth:8720  
TVD:7414.08 Inc:88.9  
Azi:357.19  
VertSec:749.98

SSS

SurveyDepth:8814  
TVD:7414.23 Inc:90.92  
Azi:358.5  
VertSec:843.79

8650 ft

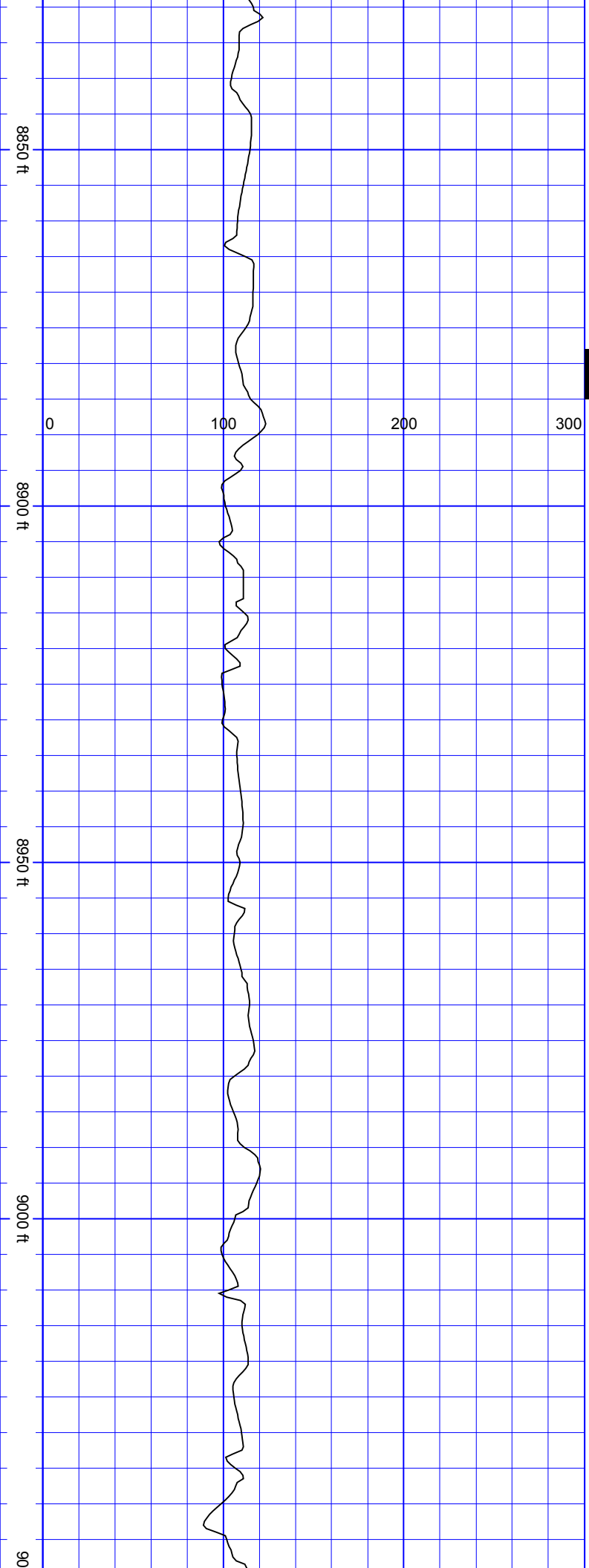
-1000 2000 5000 8000  
200 400 600  
9000 6000 3000 0

8700 ft

8750 ft

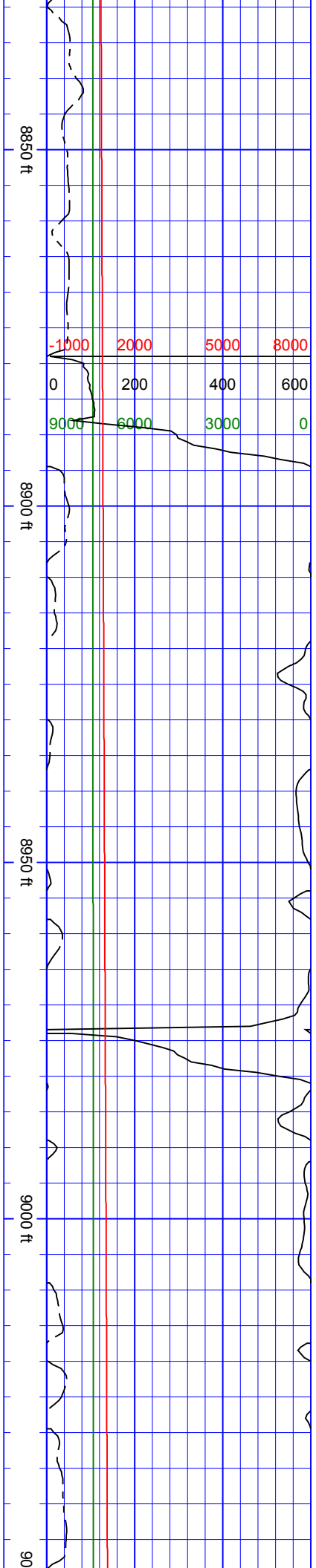
8800 ft

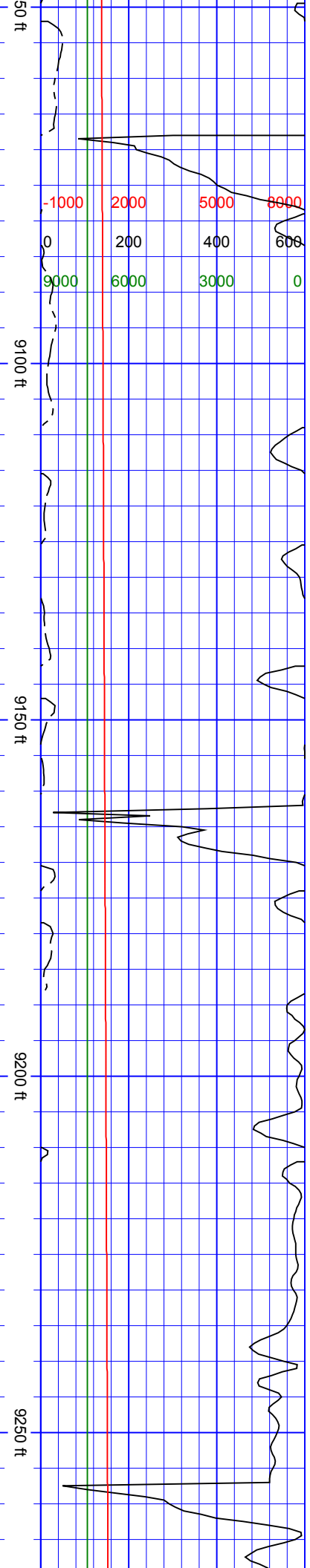




SurveyDepth:8909  
TVD:7411.98 Inc:91.8  
Azi:357.54  
VertSec:938.55

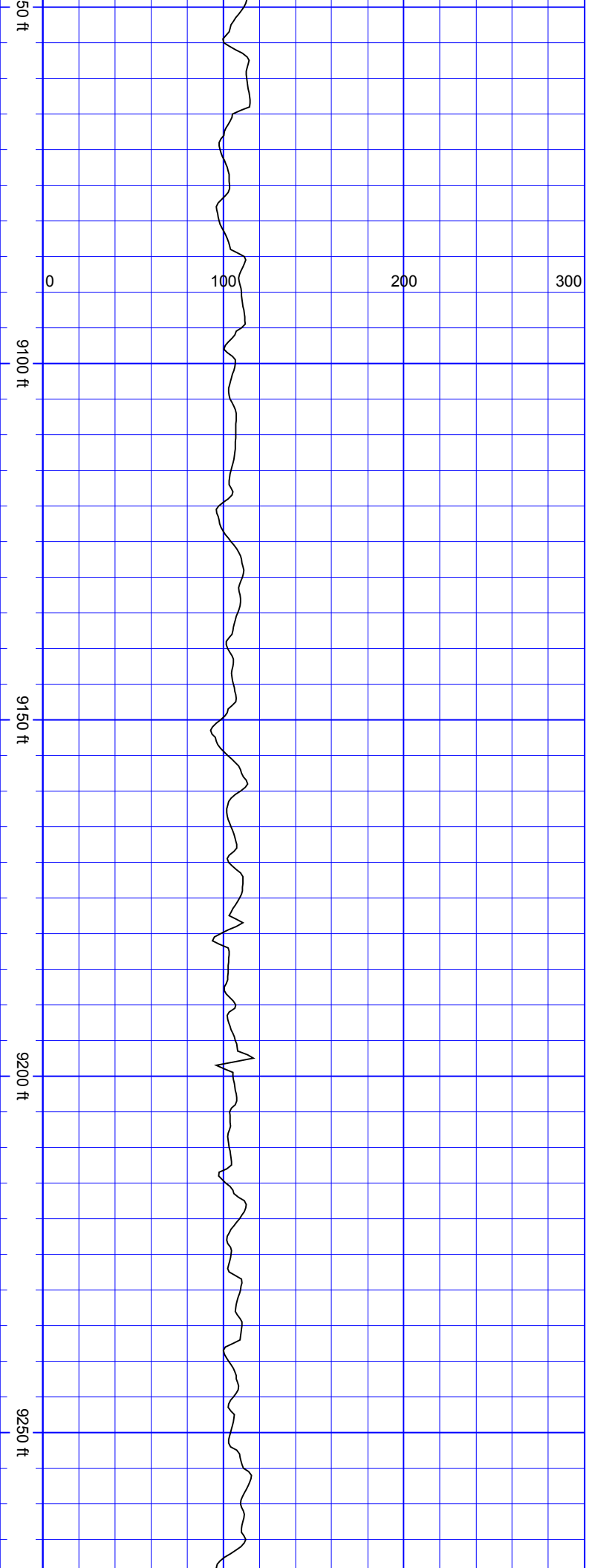
SurveyDepth:9003  
TVD:7409.63 Inc:91.06  
Azi:357.45  
VertSec:1032.37

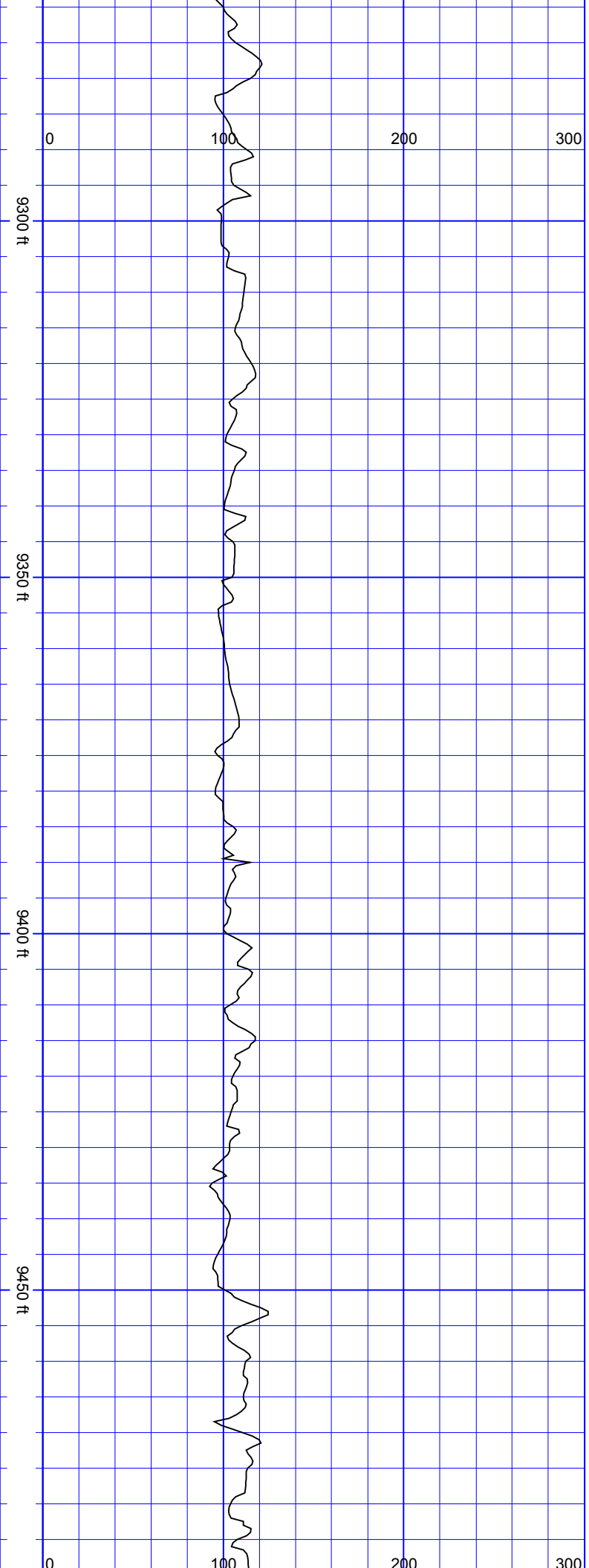




SurveyDepth:9098  
TVD:7408.13 Inc:90.75  
Azi:357.01  
VertSec:1127.23

SurveyDepth:9193  
TVD:7407.4 Inc:90.13  
Azi:356.83  
VertSec:1222.12

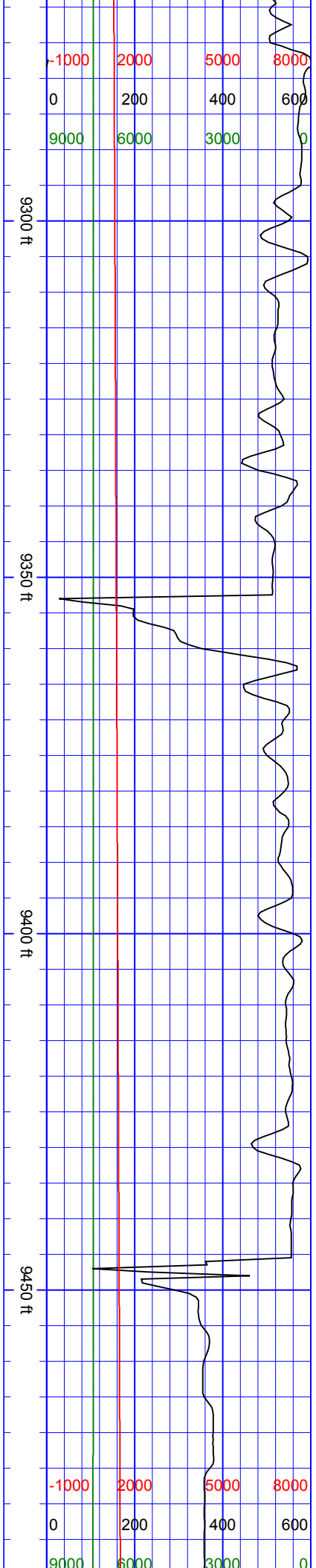




SurveyDepth:9287  
TVD:7407.69 Inc:89.52  
Azi:356.83  
VertSec:1316.03

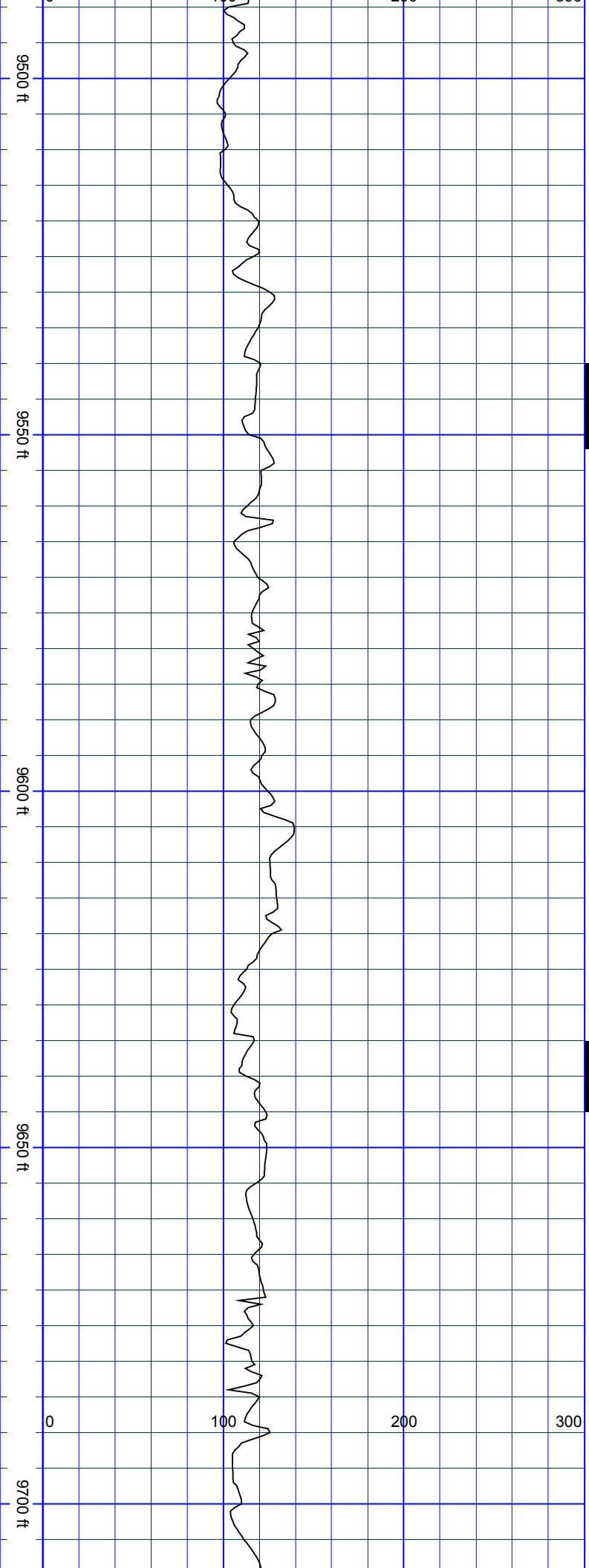
SurveyDepth:9382  
TVD:7408.81 Inc:89.12  
Azi:356.75  
VertSec:1410.93

SurveyDepth:9476  
TVD:7410.87 Inc:88.37  
Azi:356.92  
VertSec:1504.81



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

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

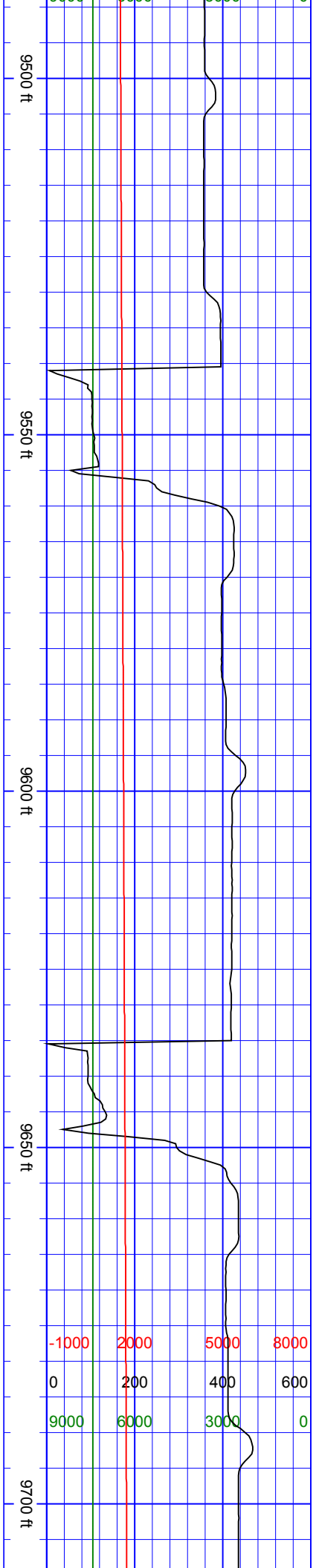


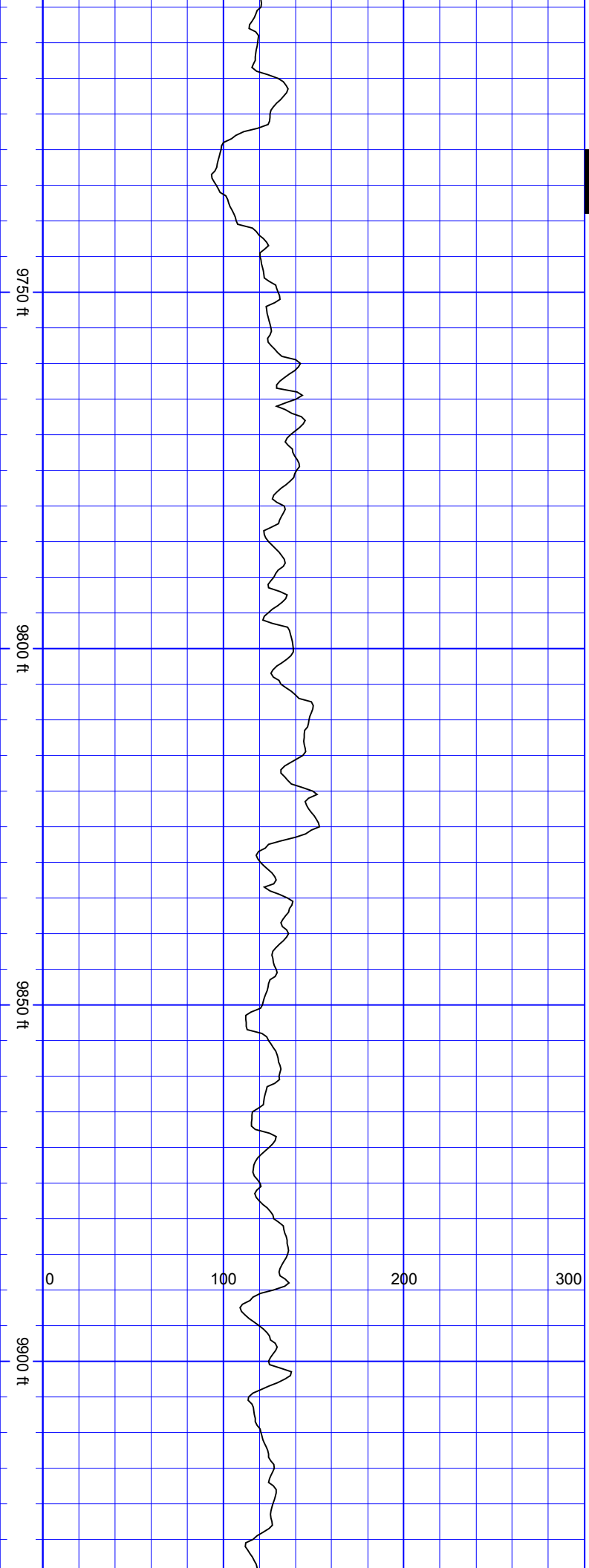
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SurveyDepth:9571  
TVD:7412.41 Inc:89.78  
Azi:359.74  
VertSec:1599.54

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SurveyDepth:9666  
TVD:7413.43 Inc:88.99  
Azi:1.76  
VertSec:1693.92

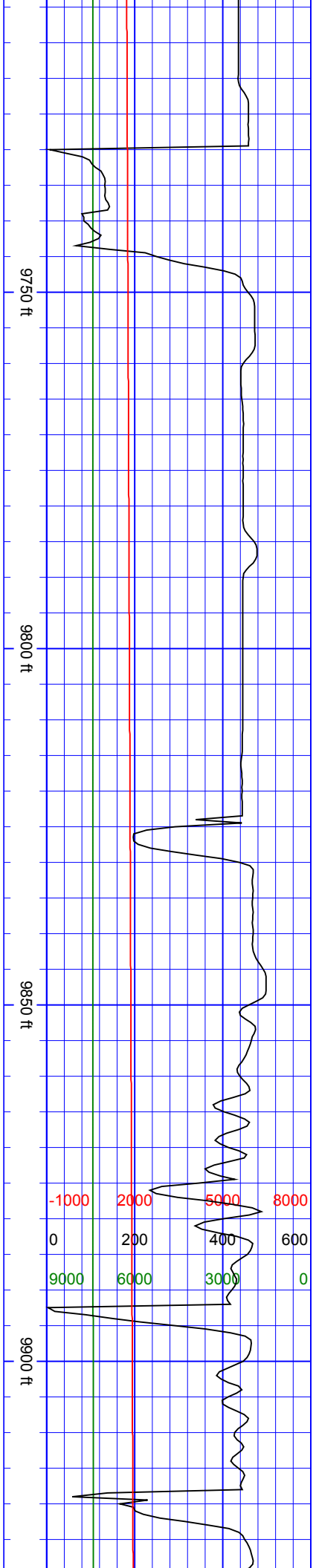


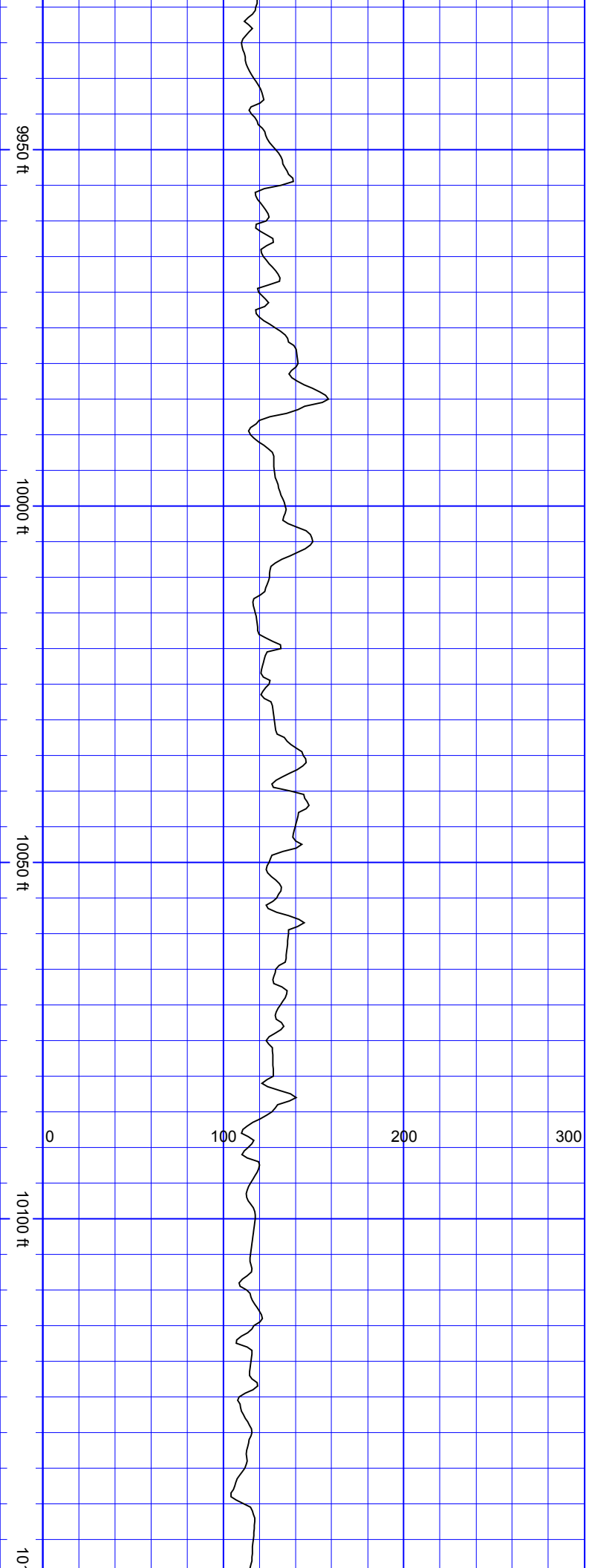


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SurveyDepth:9760  
TVD:7413.43 Inc:91.01  
Azi:3.69  
VertSec:1786.89

SurveyDepth:9854  
TVD:7411.59 Inc:91.23  
Azi:3.78  
VertSec:1879.58

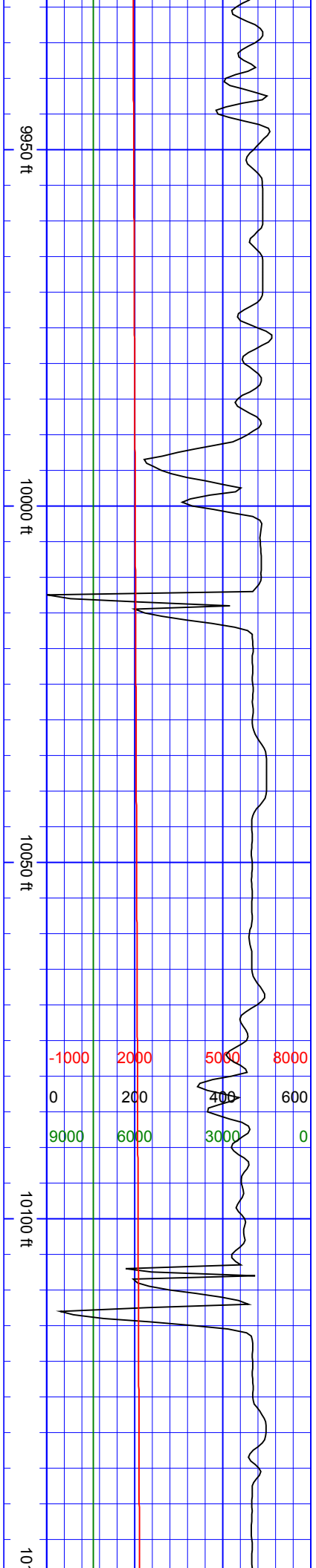


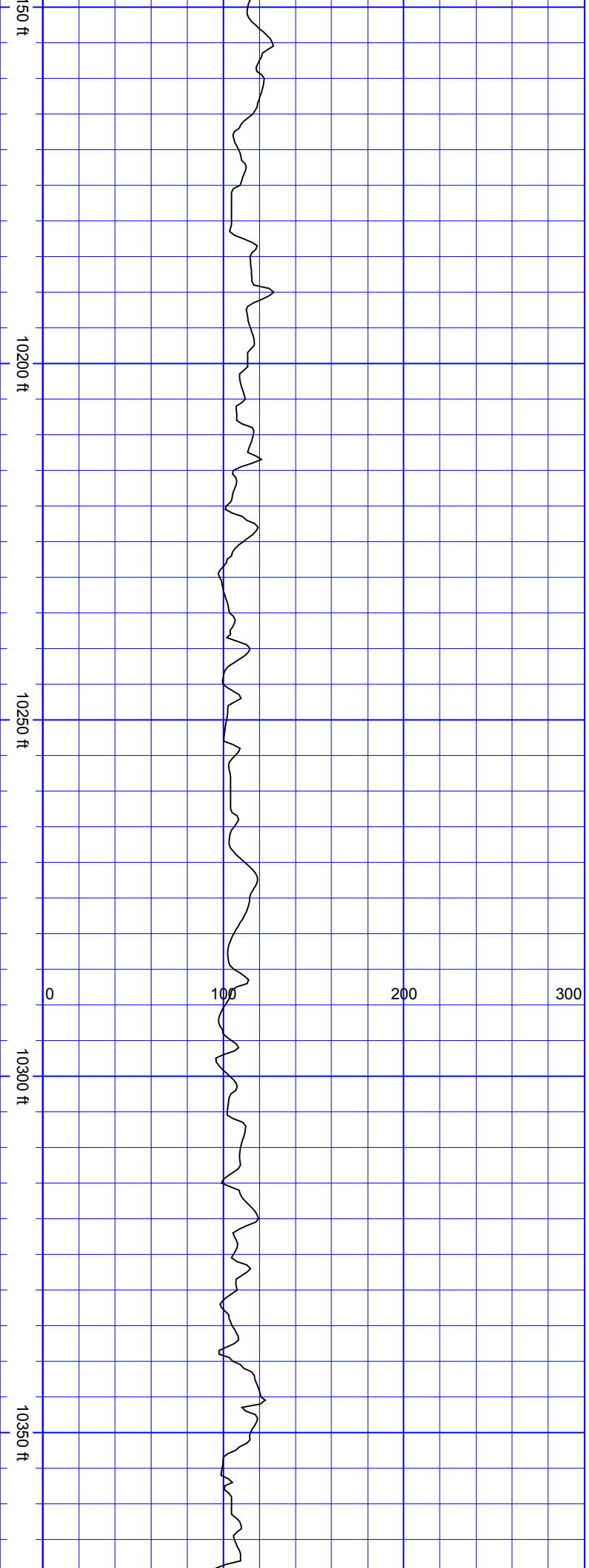


SurveyDepth:9948  
TVD:7409.75 Inc:91.01  
Azi:3.16  
VertSec:1972.35

SurveyDepth:10042  
TVD:7408.35 Inc:90.7  
Azi:3.6 VertSec:2065.15

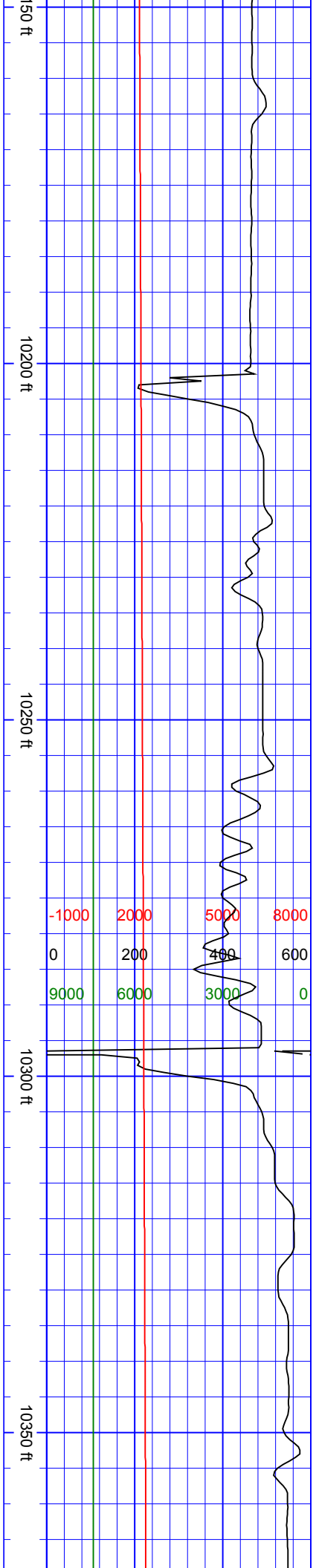
SurveyDepth:10137  
TVD:7407.33 Inc:90.53  
Azi:3.6 VertSec:2158.88

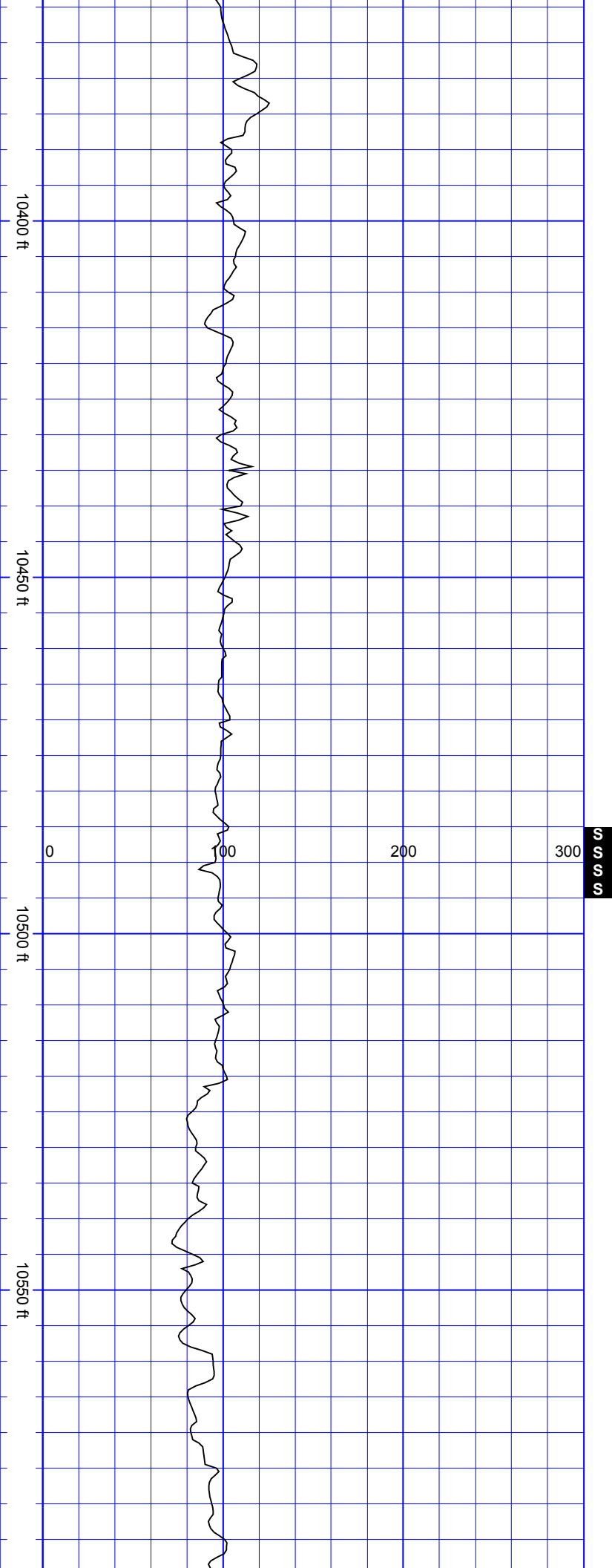




SurveyDepth:10232  
TVD:7406.27 Inc:90.75  
Azi:3.51  
VertSec:2252.63

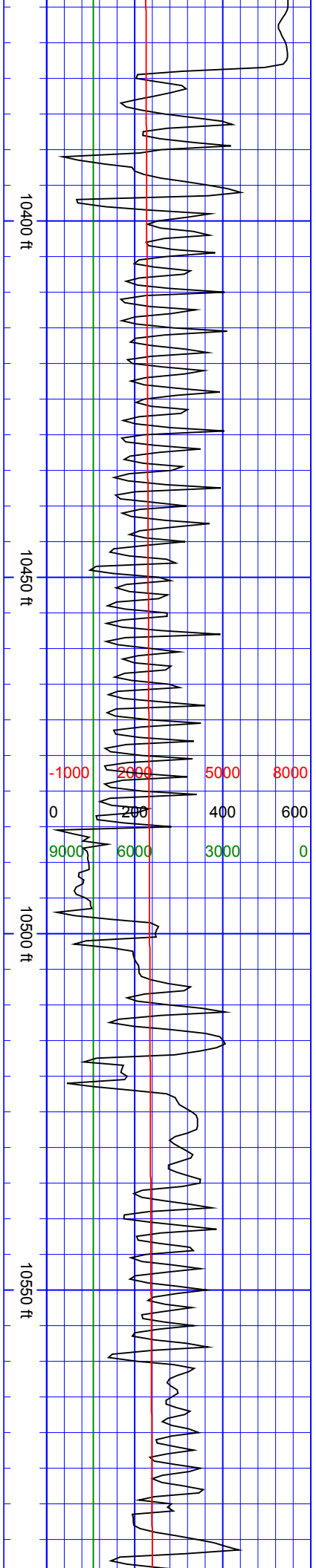
SurveyDepth:10327  
TVD:7404.95 Inc:90.84  
Azi:3.43  
VertSec:2346.39



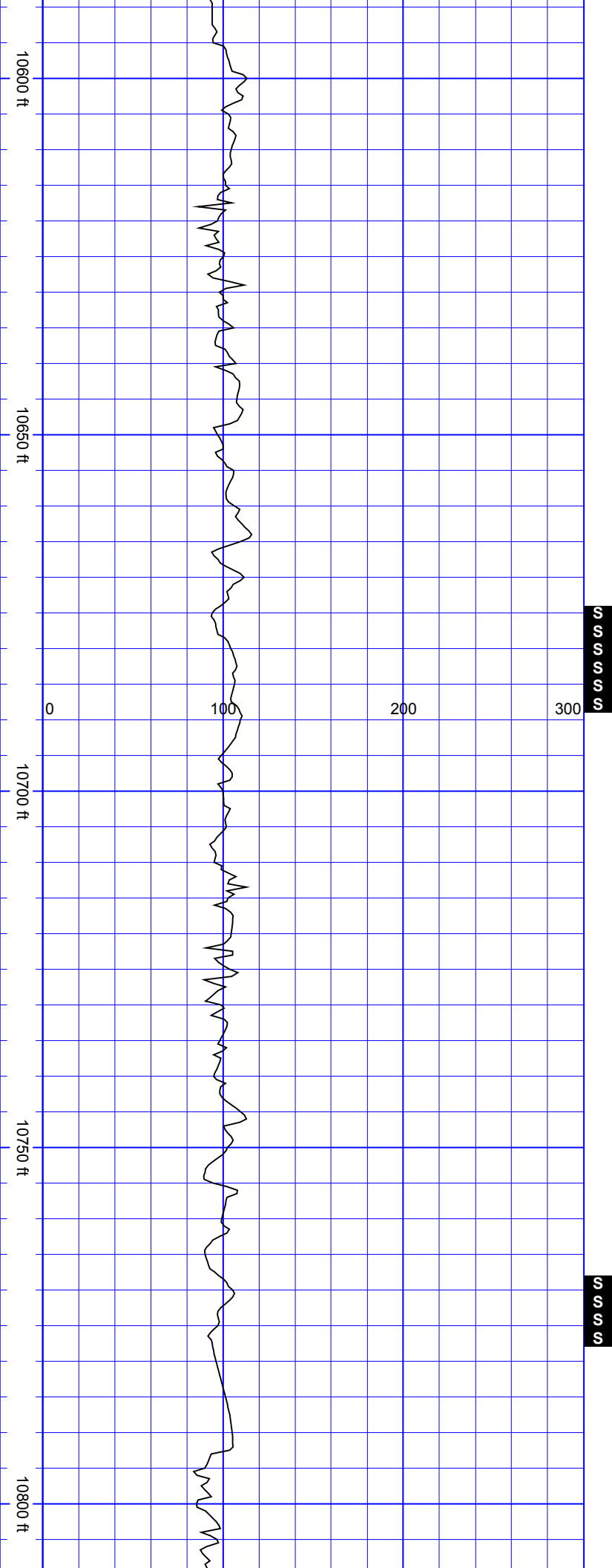


SurveyDepth:10421  
TVD:7403.33 Inc:91.14  
Azi:3.43  
VertSec:2439.17

SurveyDepth:10516  
TVD:7402.96 Inc:89.3  
Azi:1.58  
VertSec:2533.18







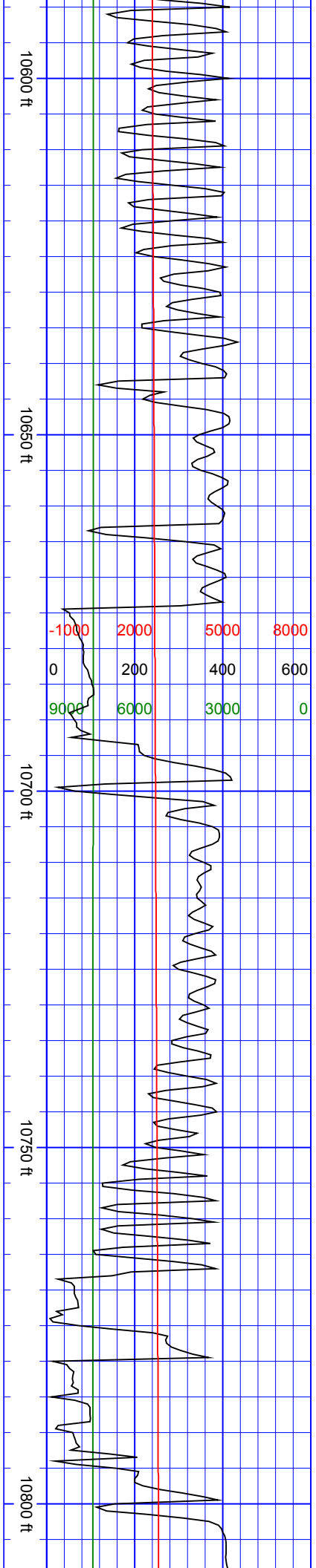
SurveyDepth:10610  
TVD:7406.53 Inc:86.35  
Azi:0.7 VertSec:2626.42

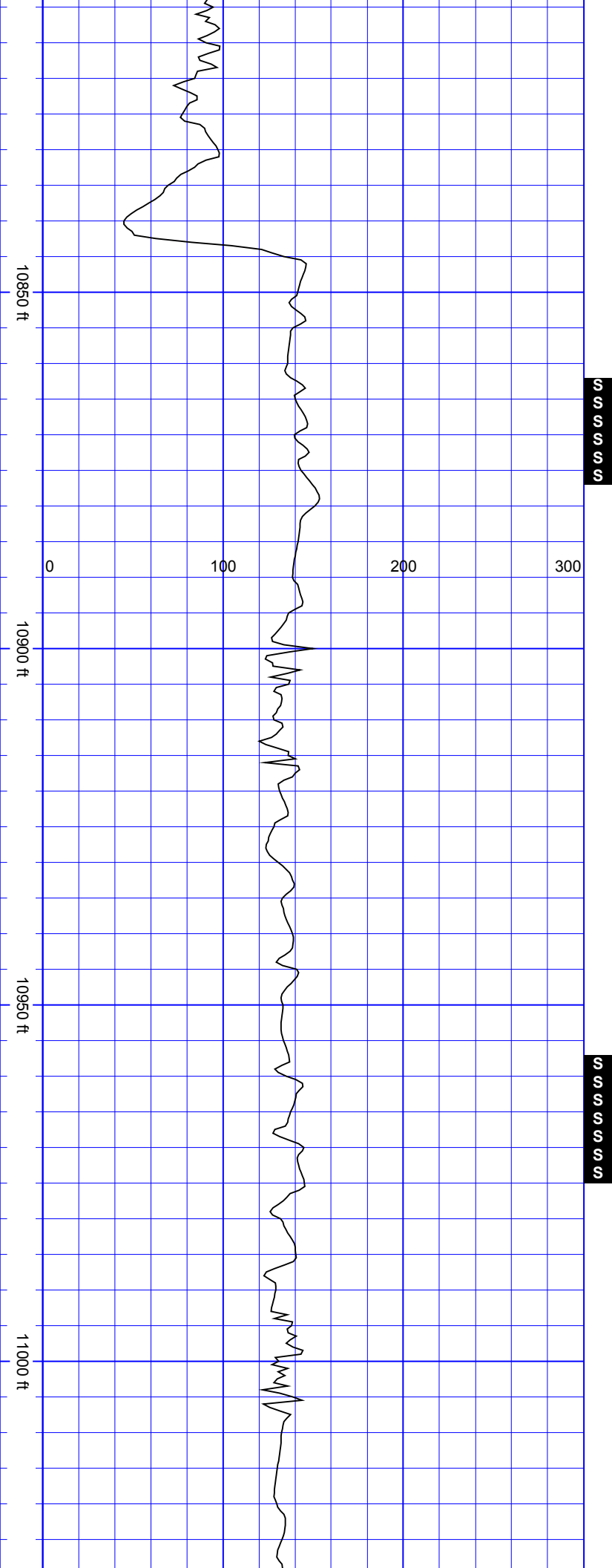
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SurveyDepth:10704  
TVD:7410.68 Inc:88.59  
Azi:0.88  
VertSec:2719.71

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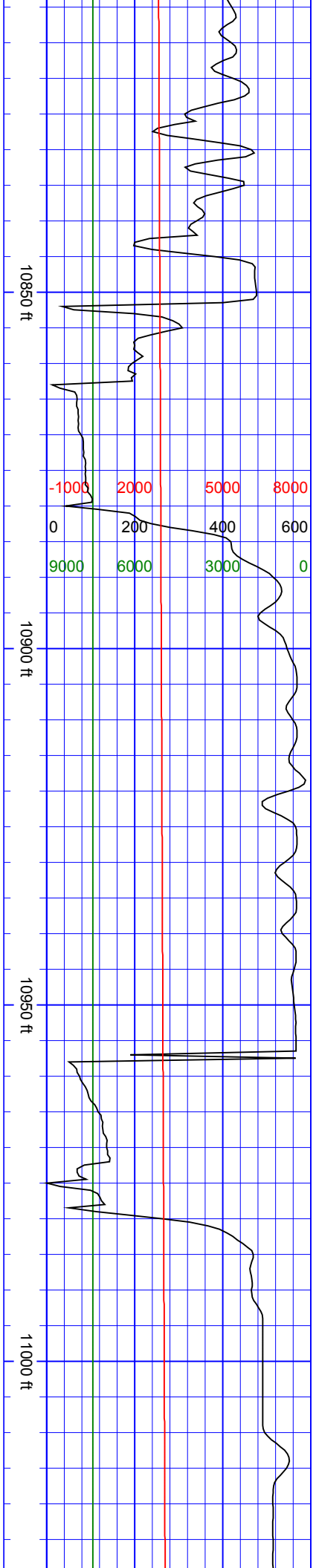
SurveyDepth:10798  
TVD:7413.93 Inc:87.45  
Azi:359.65  
VertSec:2813.14

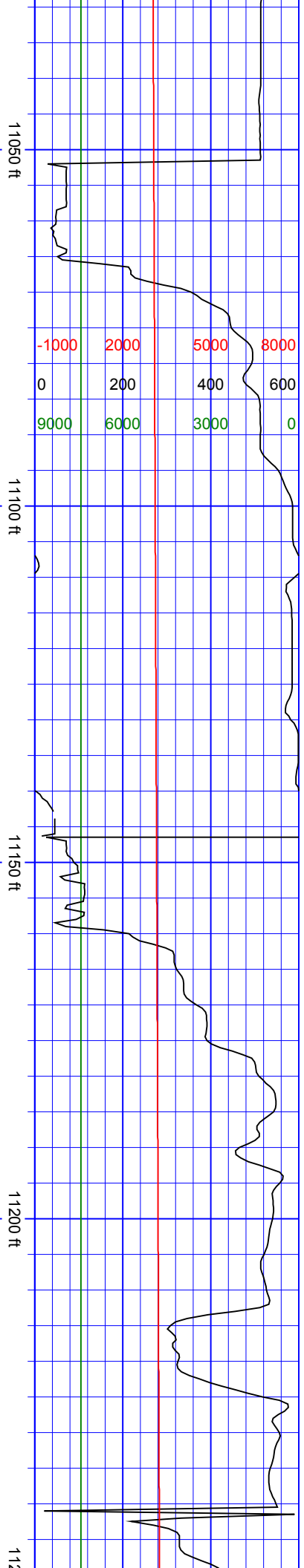




SurveyDepth:10893  
TVD:7417.82 Inc:87.85  
Azi:0.61  
VertSec:2907.55

SurveyDepth:10987  
TVD:7420.2 Inc:89.25  
Azi:3.07  
VertSec:3000.69

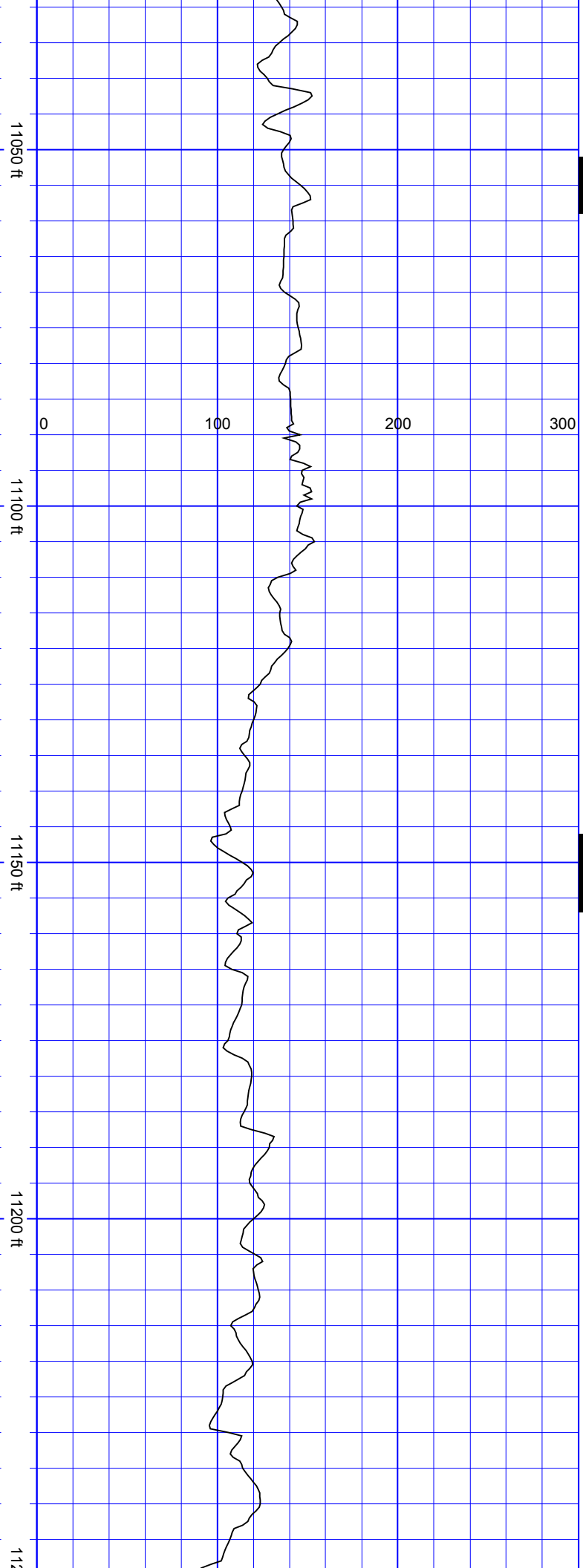


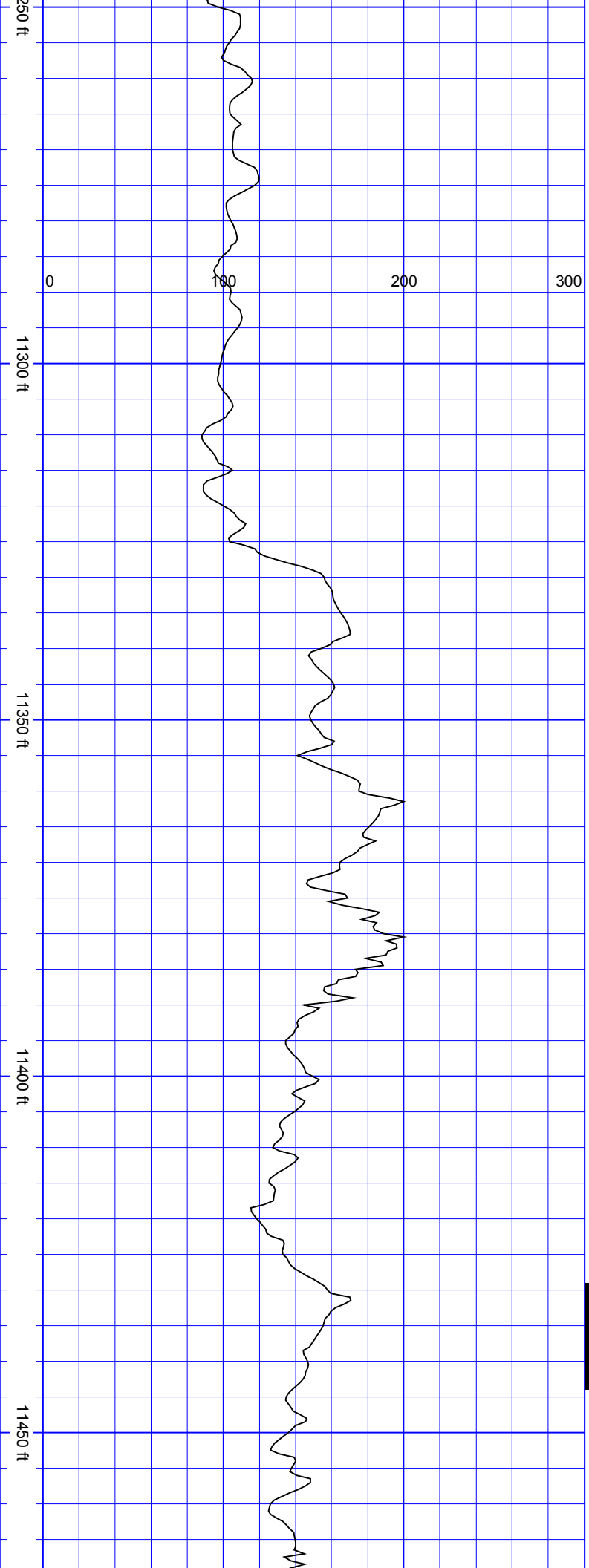


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SurveyDepth:11176  
TVD:7418.68 Inc:91.67  
Azi:2.64  
VertSec:3187.54



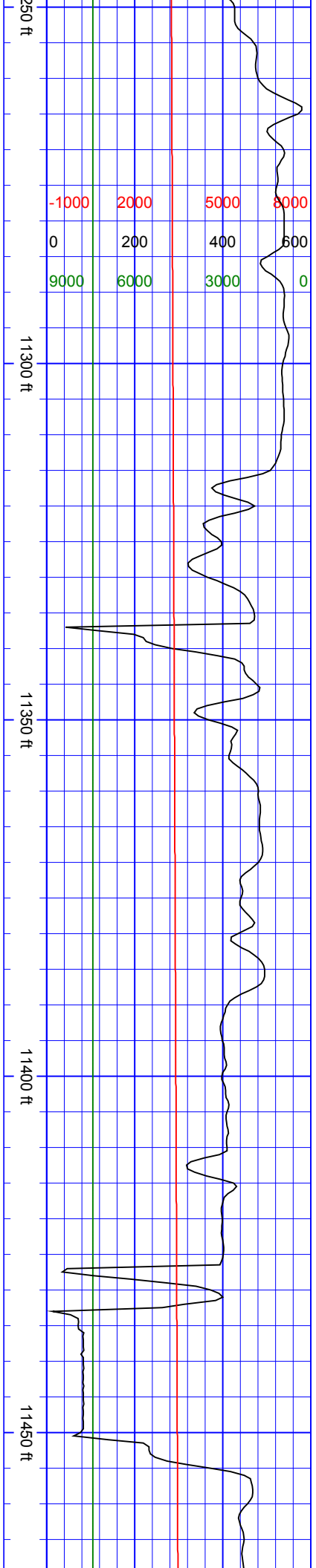


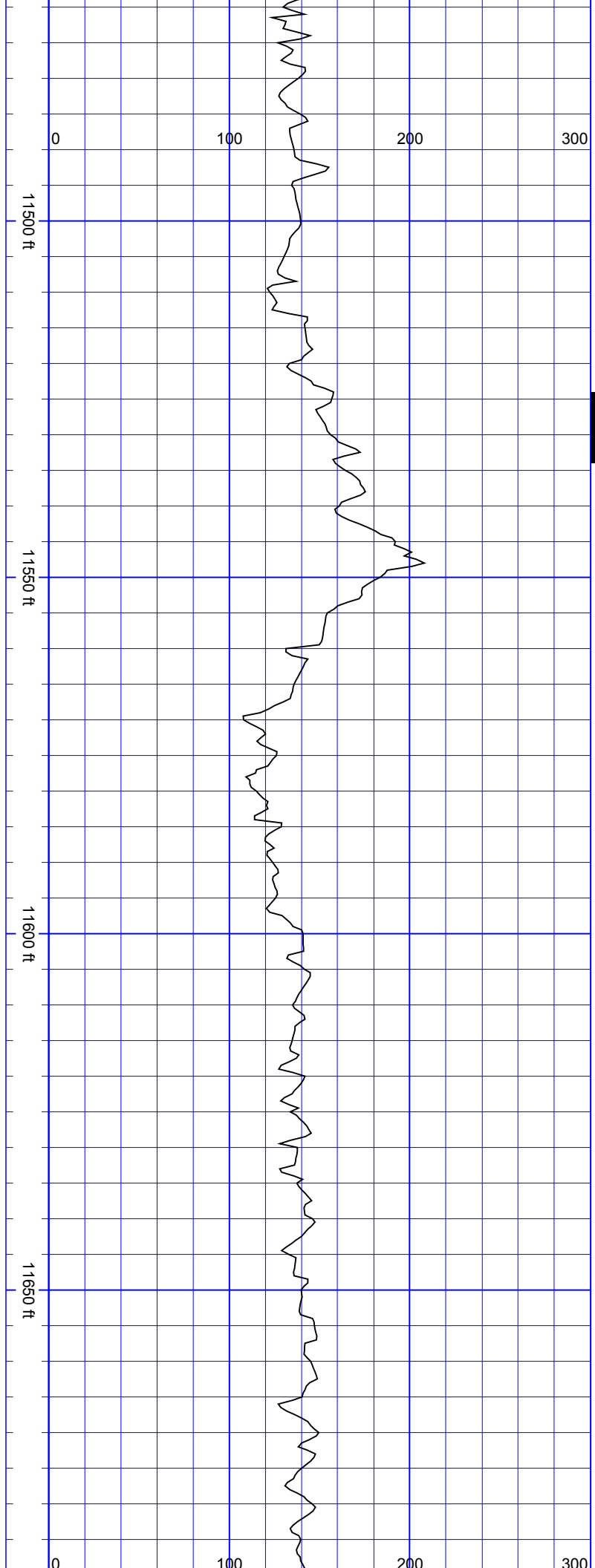
SurveyDepth:11271  
TVD:7416.02 Inc:91.54  
Azi:2.28  
VertSec:3281.53

SurveyDepth:11365  
TVD:7415.01 Inc:89.69  
Azi:0.97  
VertSec:3374.74

SurveyDepth:11460  
TVD:7414.43 Inc:91.01  
Azi:1.76  
VertSec:3469.01

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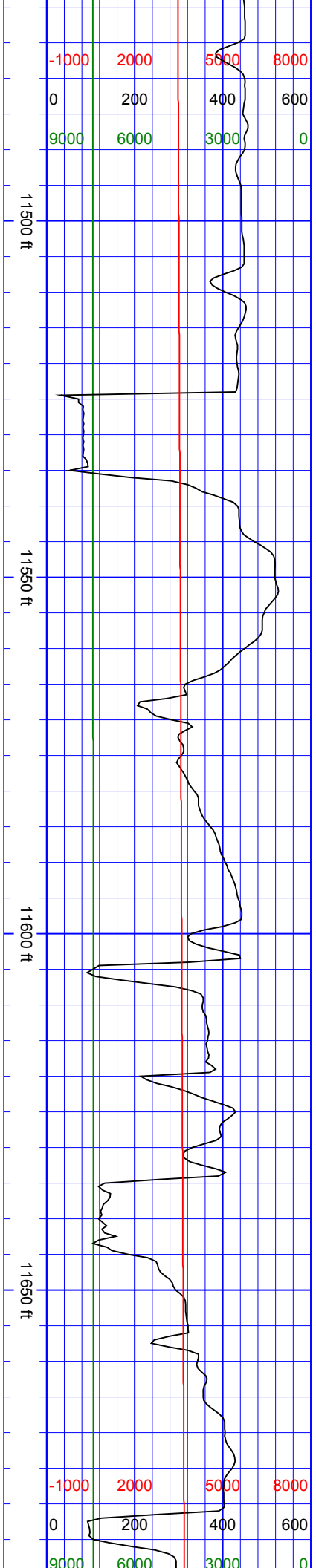


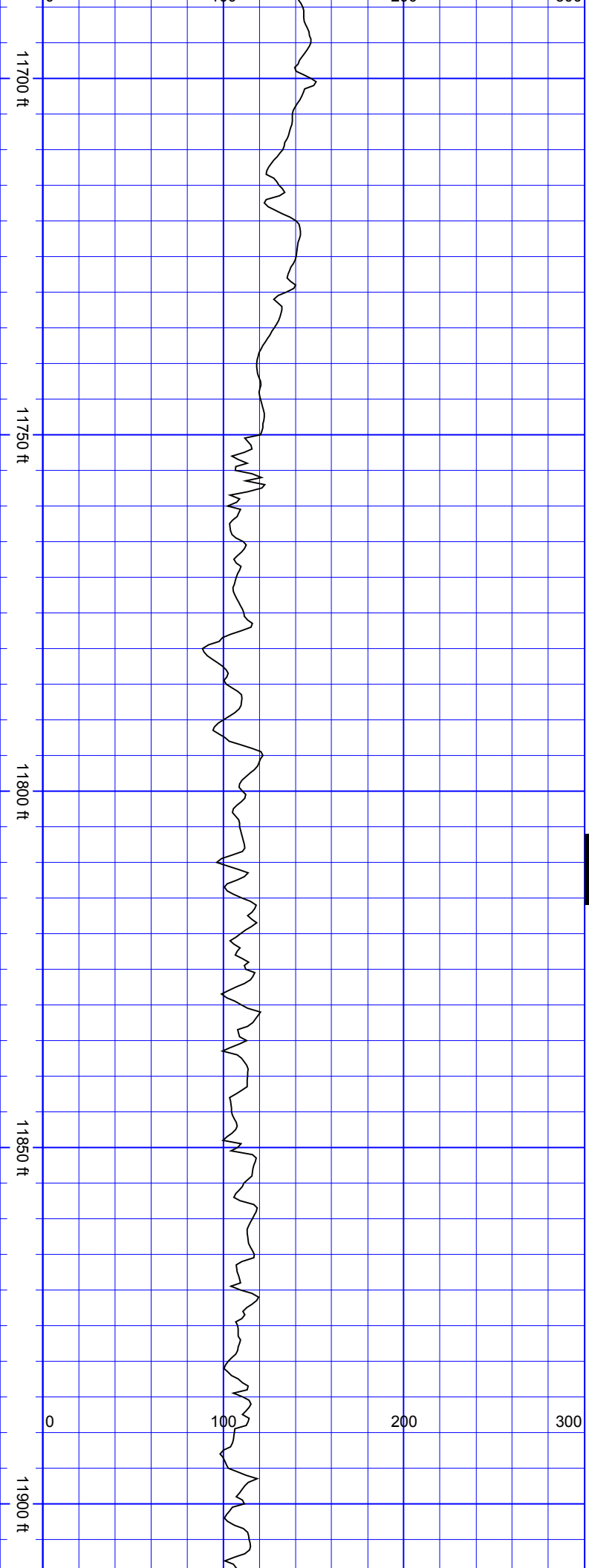


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SurveyDepth:11554  
TVD:7411.62 Inc:92.42  
Azi:1.93  
VertSec:3562.14

SurveyDepth:11648  
TVD:7407.62 Inc:92.46  
Azi:1.76  
VertSec:3655.23

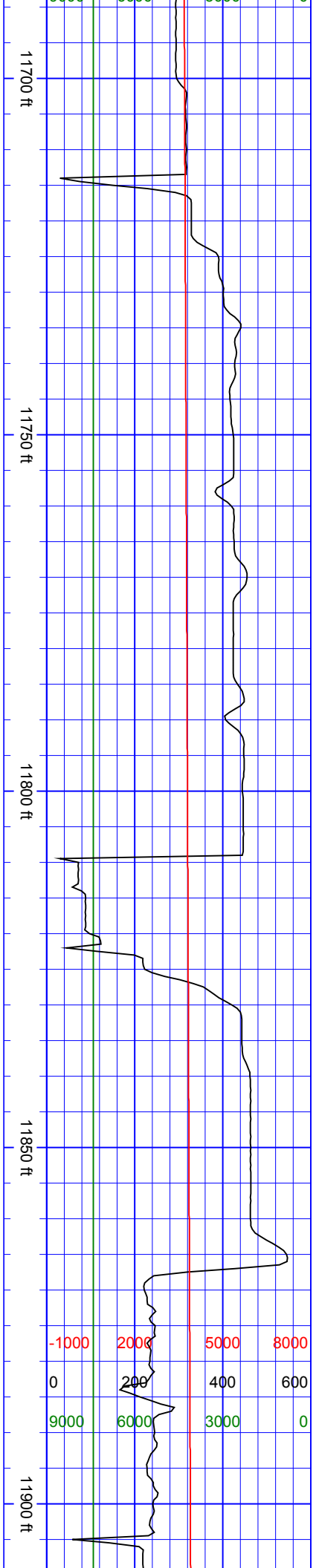


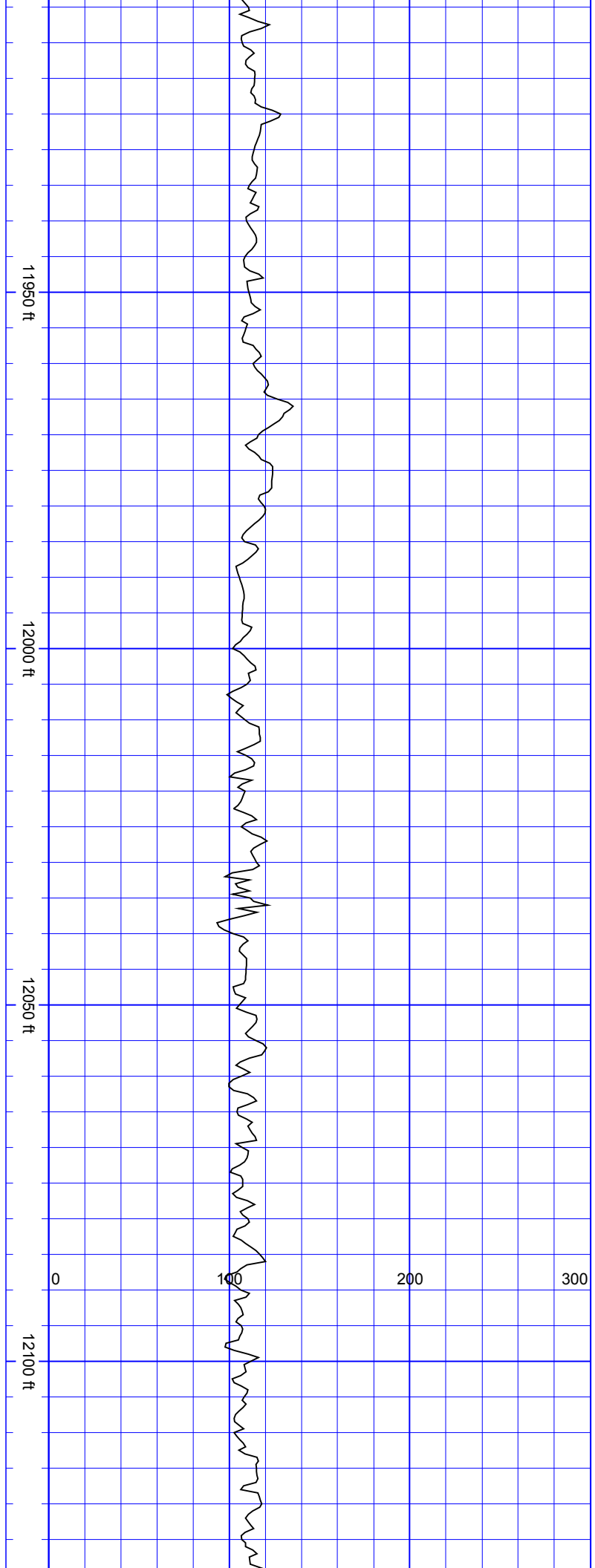


SurveyDepth:11742  
TVD:7403.19 Inc:92.94  
Azi:1.84  
VertSec:3748.31

SurveyDepth:11837  
TVD:7400.02 Inc:90.88  
Azi:1.32  
VertSec:3842.48

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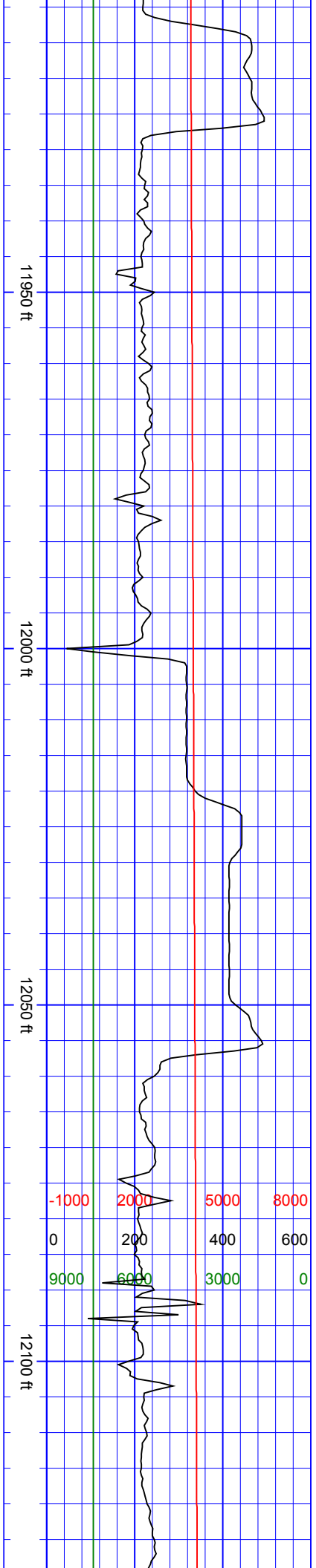


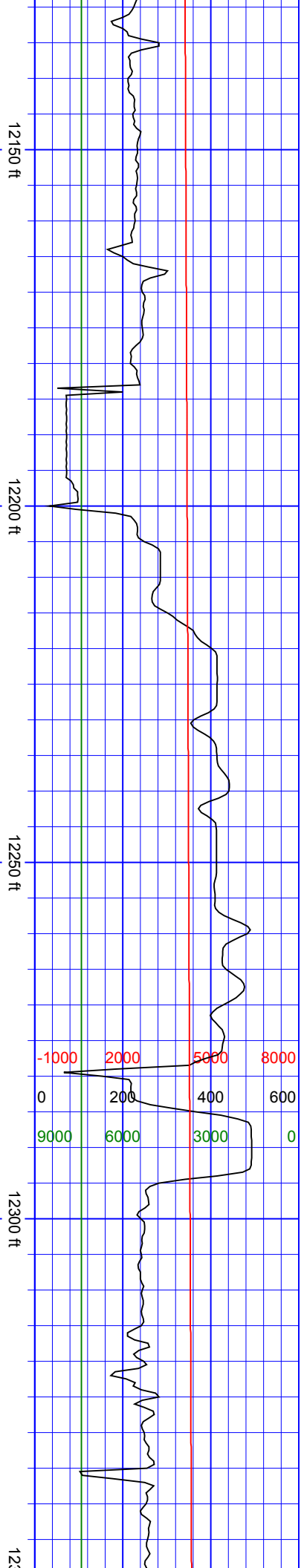


SurveyDepth:11930  
TVD:7398.95 Inc:90.44  
Azi:0.44  
VertSec:3934.85

SurveyDepth:12025  
TVD:7399.03 Inc:89.47  
Azi:359.65  
VertSec:4029.36

SurveyDepth:12119  
TVD:7400.14 Inc:89.17  
Azi:359.03  
VertSec:4122.98



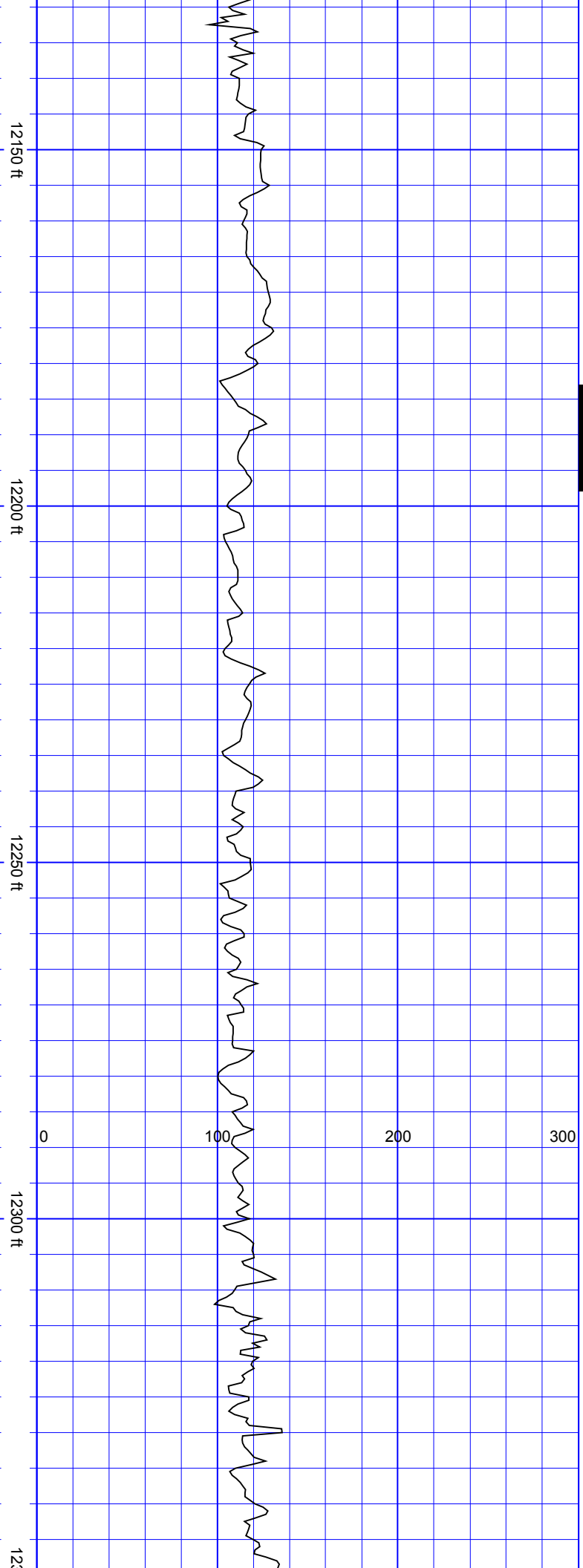


August 05, 2018

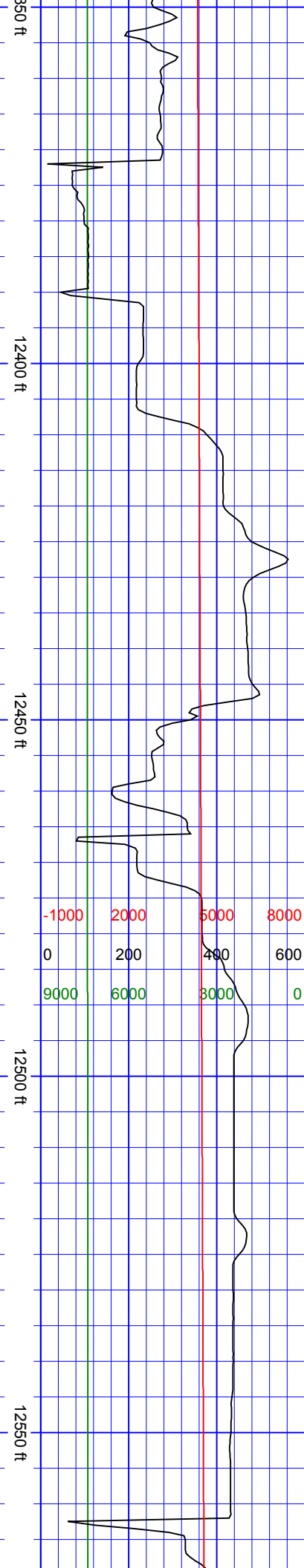
SurveyDepth:12213  
TVD:7399.67 Inc:91.41  
Azi:358.59  
VertSec:4216.68

SurveyDepth:12307  
TVD:7397.39 Inc:91.36  
Azi:357.98  
VertSec:4310.42

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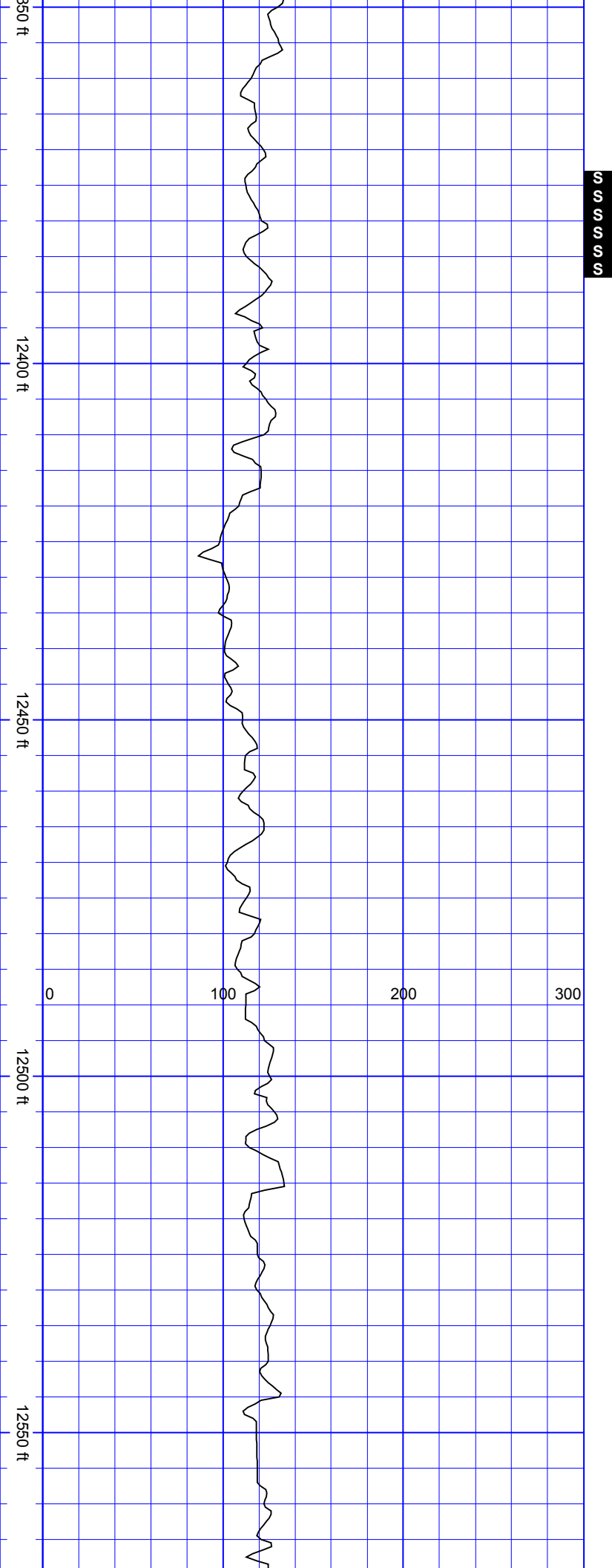


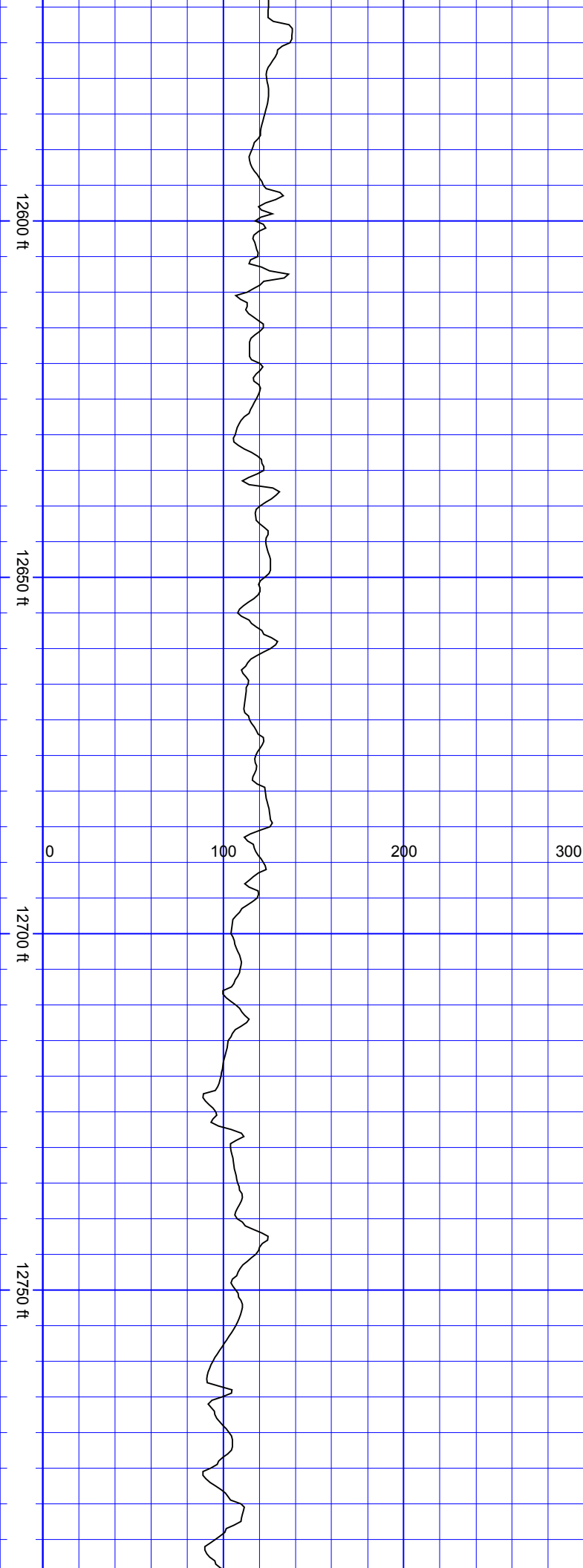




SurveyDepth:12402  
TVD:7395.69 Inc:90.7  
Azi:0.09  
VertSec:4405.06

SurveyDepth:12496  
TVD:7394.5 Inc:90.75  
Azi:0.26  
VertSec:4498.55



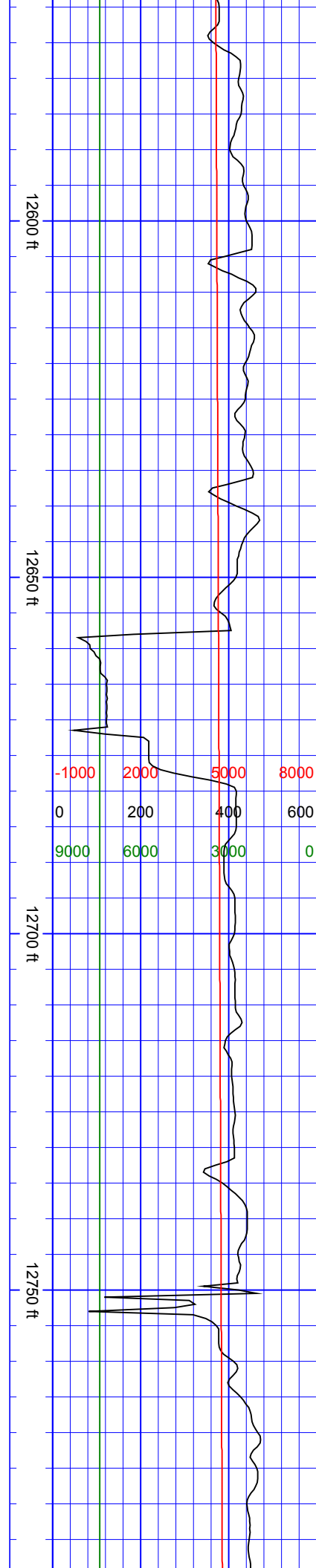


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SurveyDepth:12590  
TVD:7394.06 Inc:89.78  
Azi:359.74  
VertSec:4592.08

SurveyDepth:12685  
TVD:7393.37 Inc:91.06  
Azi:0.88  
VertSec:4686.54

SurveyDepth:12780  
TVD:7391.07 Inc:91.71  
Azi:1.41  
VertSec:4780.83

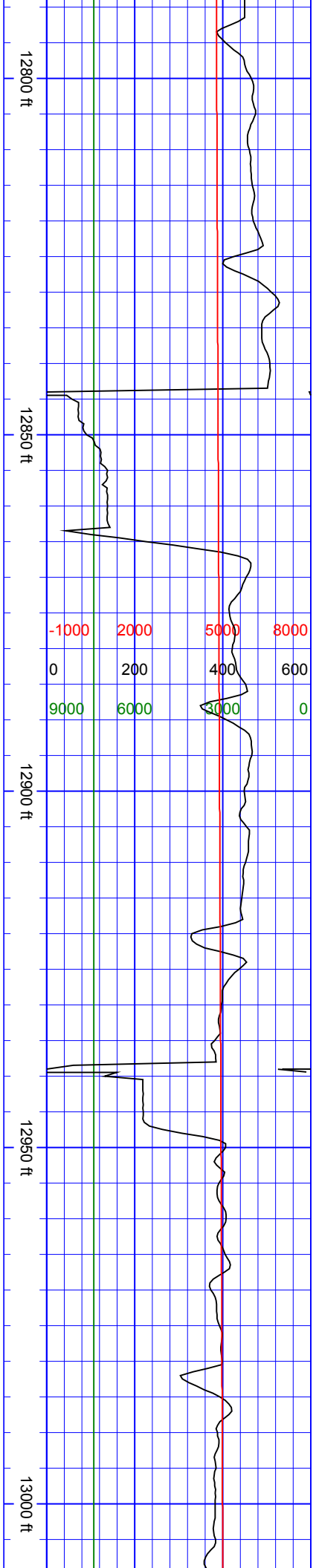
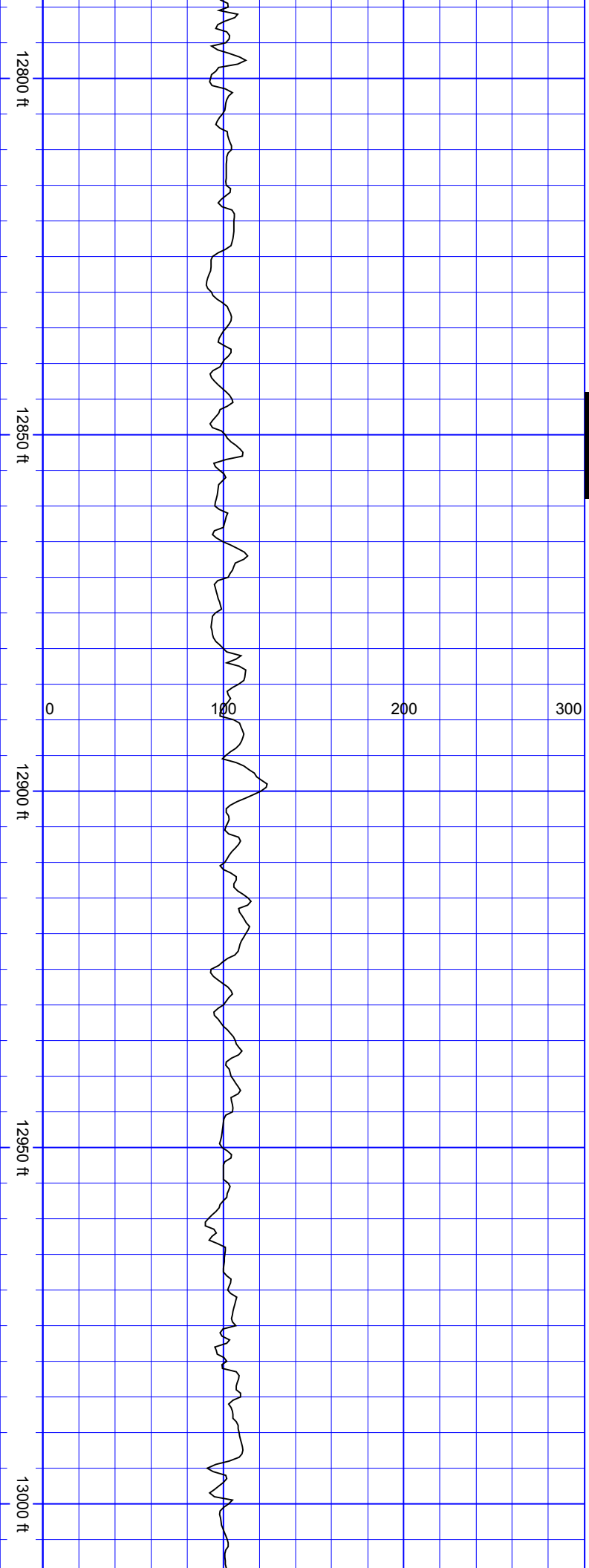


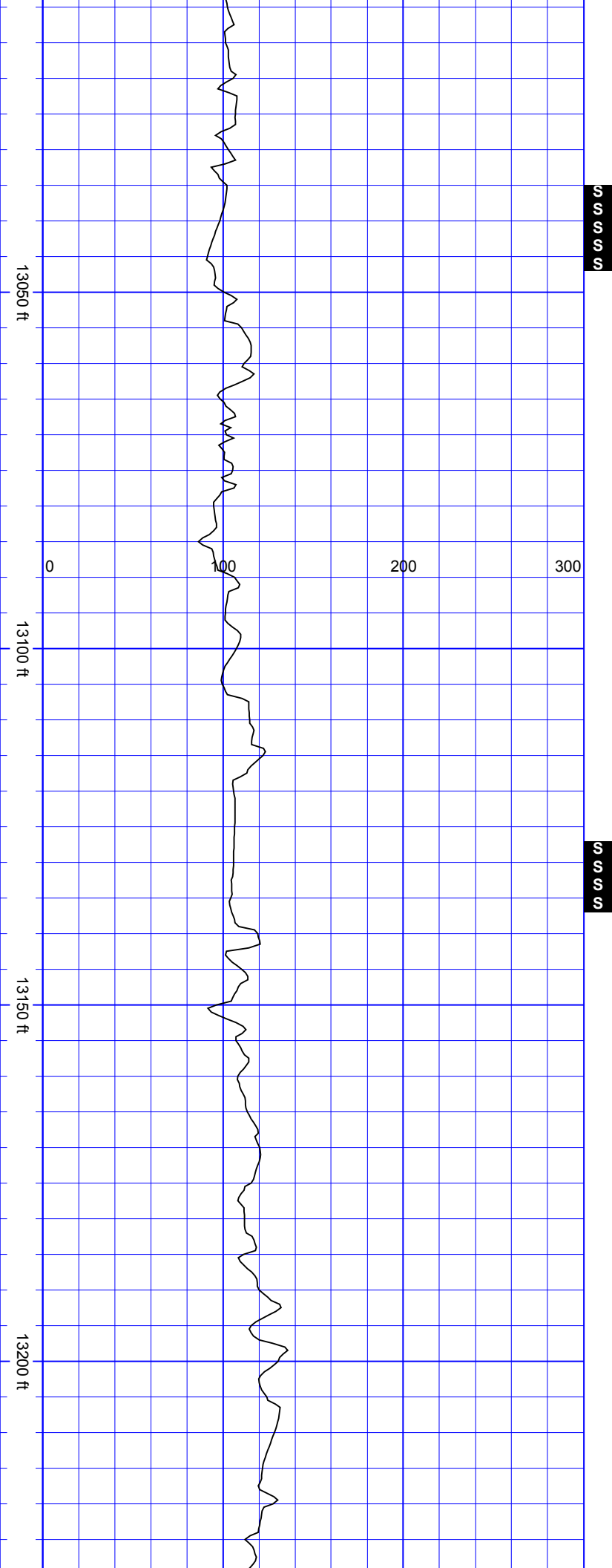
VertSec:4786.83

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SurveyDepth:12874  
TVD:7389.81 Inc:89.82  
Azi:359.56  
VertSec:4874.25

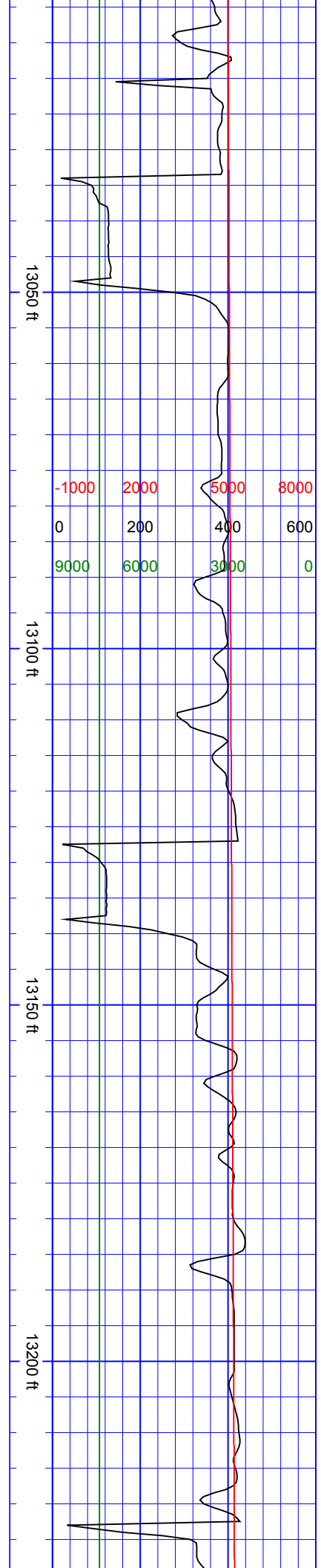
SurveyDepth:12969  
TVD:7389.49 Inc:90.57  
Azi:359.74  
VertSec:4968.83

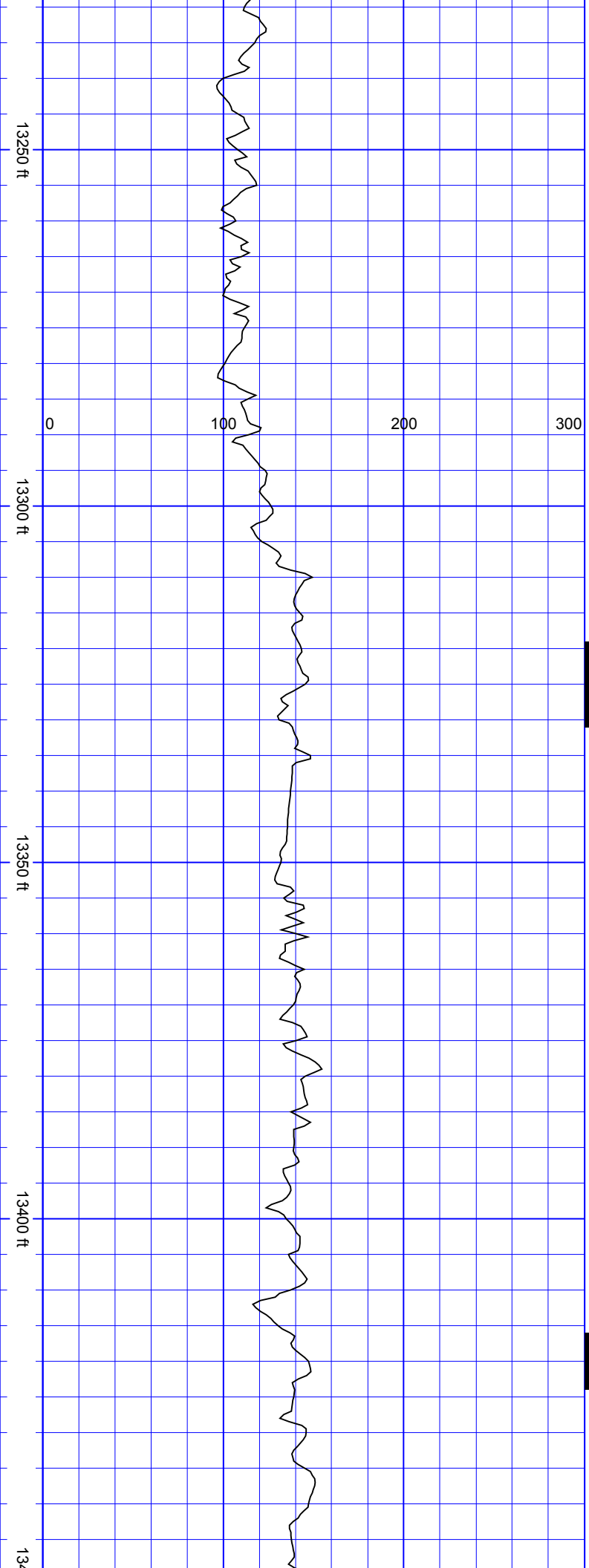




SurveyDepth:13063  
TVD:7389.2 Inc:89.78  
Azi:357.71  
VertSec:5062.54

SurveyDepth:13157  
TVD:7390.79 Inc:88.29  
Azi:358.86  
VertSec:5156.29





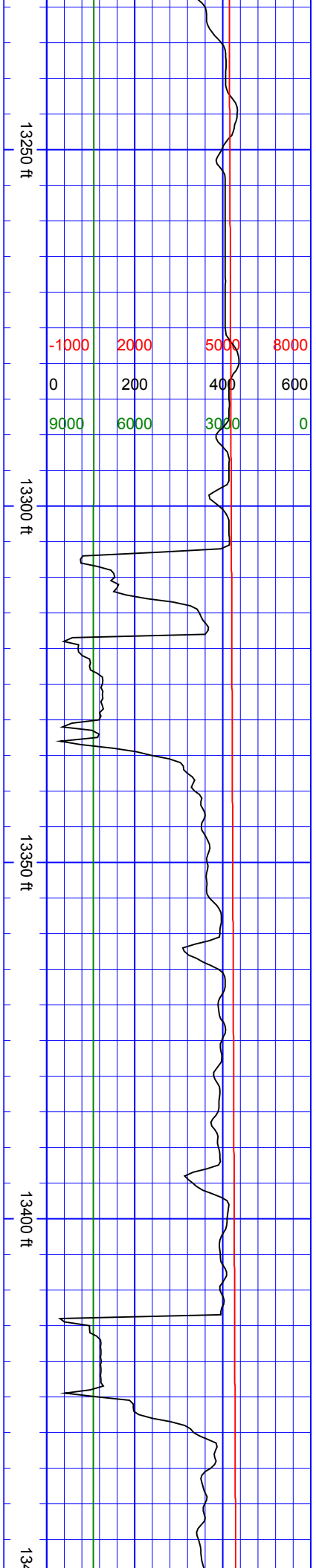
SurveyDepth:13252  
TVD:7393.66 Inc:88.24  
Azi:358.68  
VertSec:5250.95

SurveyDepth:13346  
TVD:7395.5 Inc:89.52  
Azi:358.86  
VertSec:5344.64

SurveyDepth:13440  
TVD:7395.53 Inc:90.44  
Azi:358.5  
VertSec:5438.36

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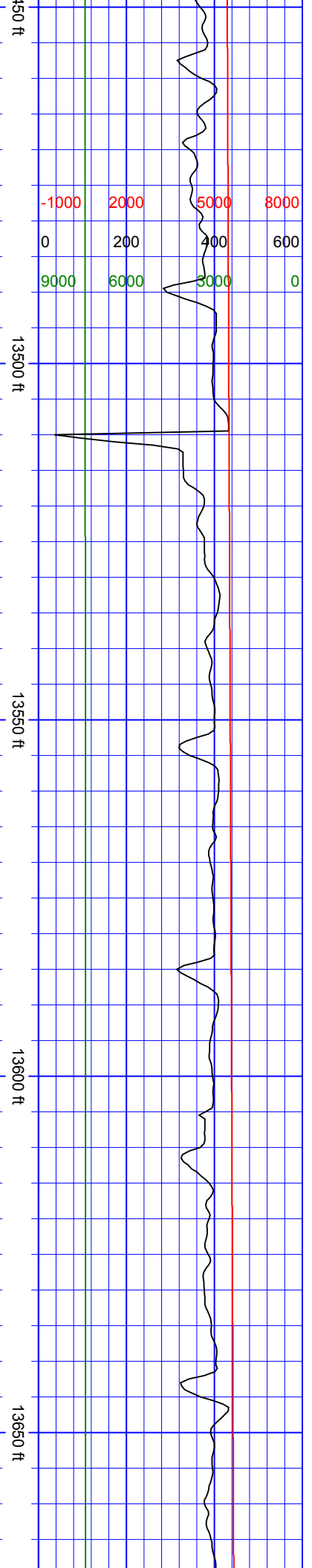
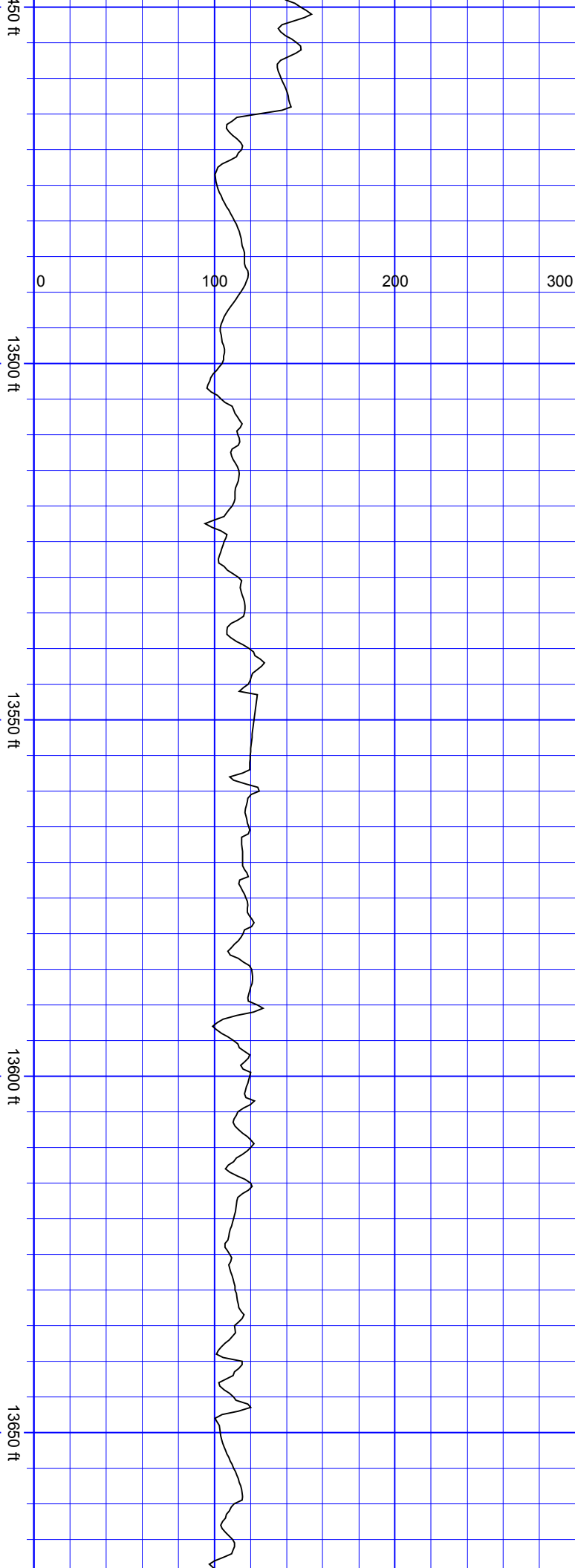
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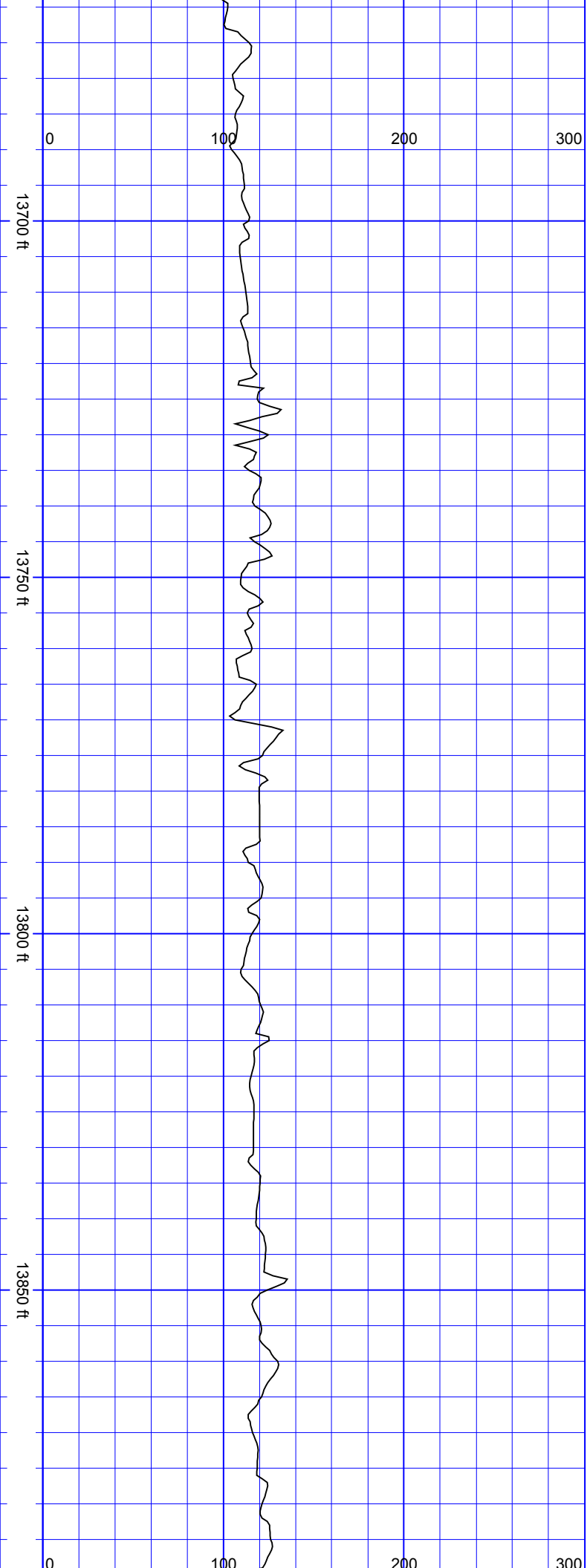


VertSec:5438.36

SurveyDepth:13535  
TVD:7394.47 Inc:90.84  
Azi:358.33  
VertSec:5533.1

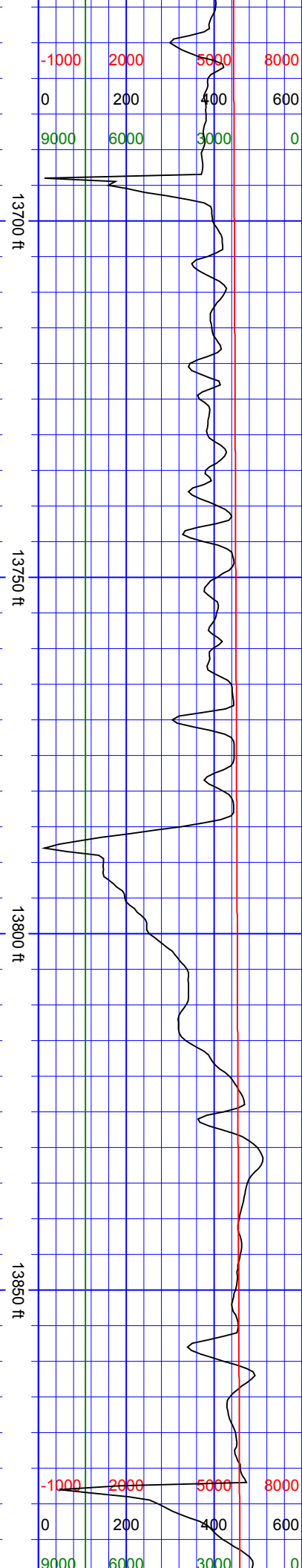
SurveyDepth:13629  
TVD:7392.91 Inc:91.06  
Azi:358.77  
VertSec:5626.82





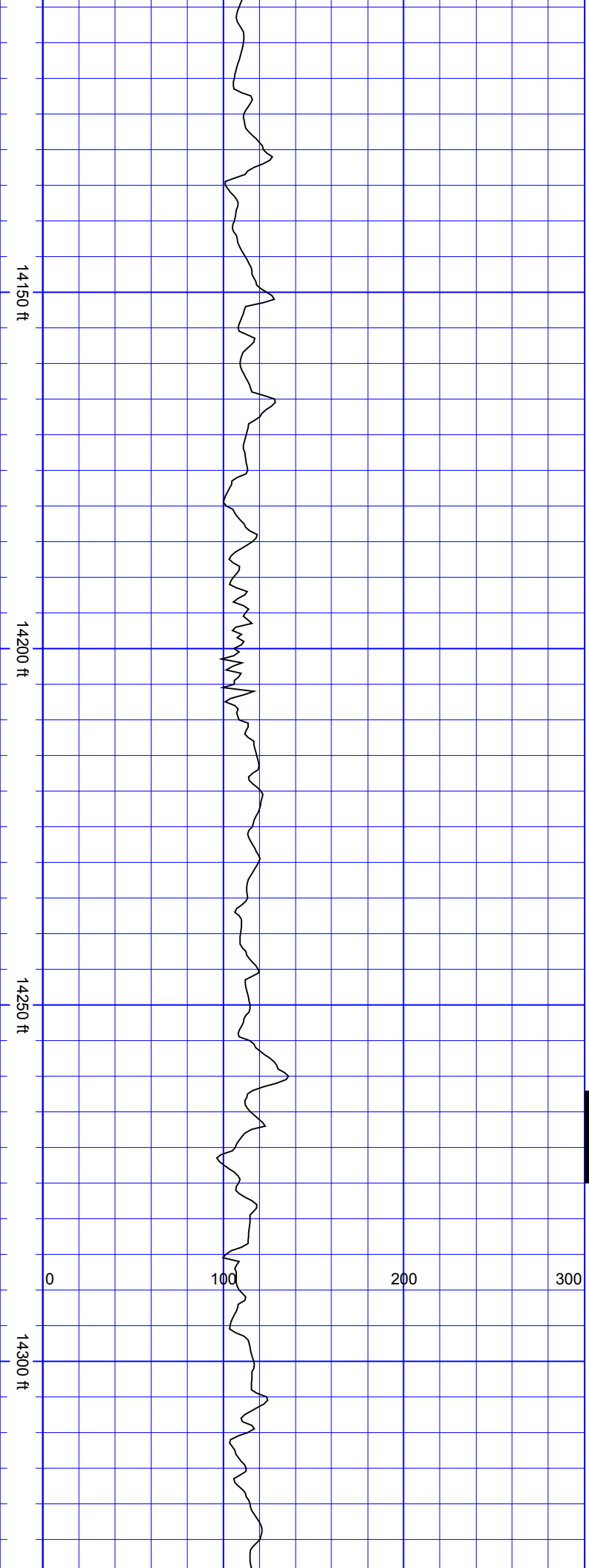
SurveyDepth:13712  
TVD:7391.19 Inc:91.32  
Azi:358.94  
VertSec:5709.53

SurveyDepth:13807  
TVD:7388.74 Inc:91.63  
Azi:359.03  
VertSec:5804.18





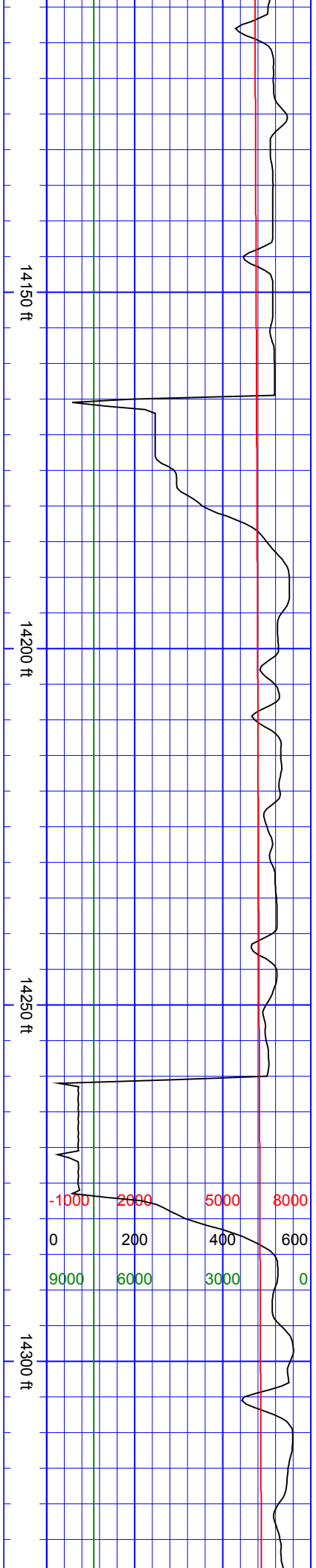


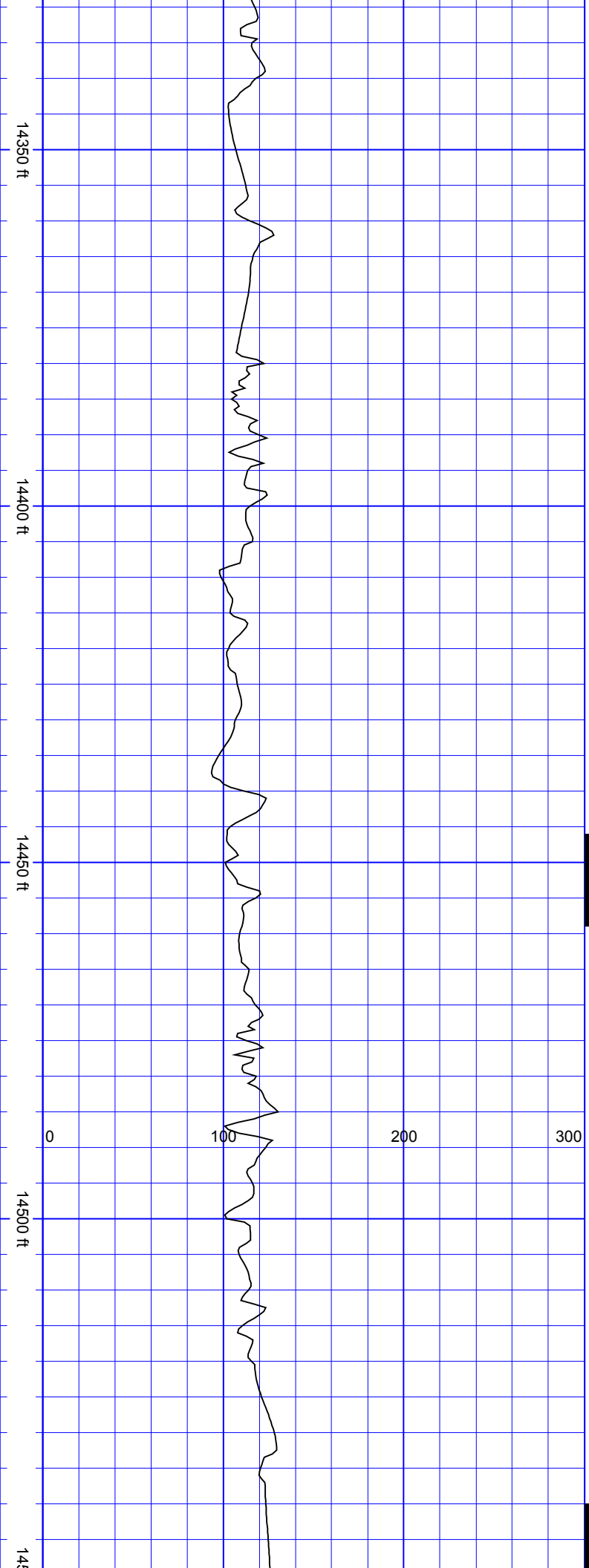


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SurveyDepth:14185  
TVD:7379.44 Inc:91.23  
Azi:359.3  
VertSec:6180.8

SurveyDepth:14280  
TVD:7379.81 Inc:88.33  
Azi:357.45  
VertSec:6275.54



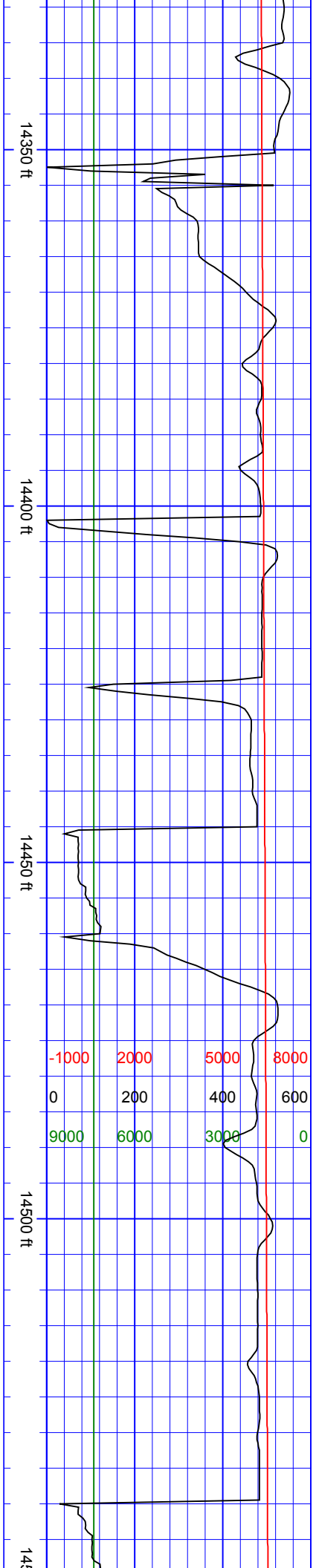


SurveyDepth:14374  
TVD:7382.55 Inc:88.33  
Azi:356.75  
VertSec:6369.38

SurveyDepth:14468  
TVD:7385.25 Inc:88.37  
Azi:357.89  
VertSec:6463.21

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SurveyDepth:14563  
TVD:7387 Inc:89.52  
Azi:360 VertSec:6557.87

SurveyDepth:14657  
TVD:7387.29 Inc:90.13  
Azi:0.44  
VertSec:6651.36

SurveyDepth:14725  
TVD:7386.95 Inc:90.44  
Azi:0.35  
VertSec:6718.96

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

