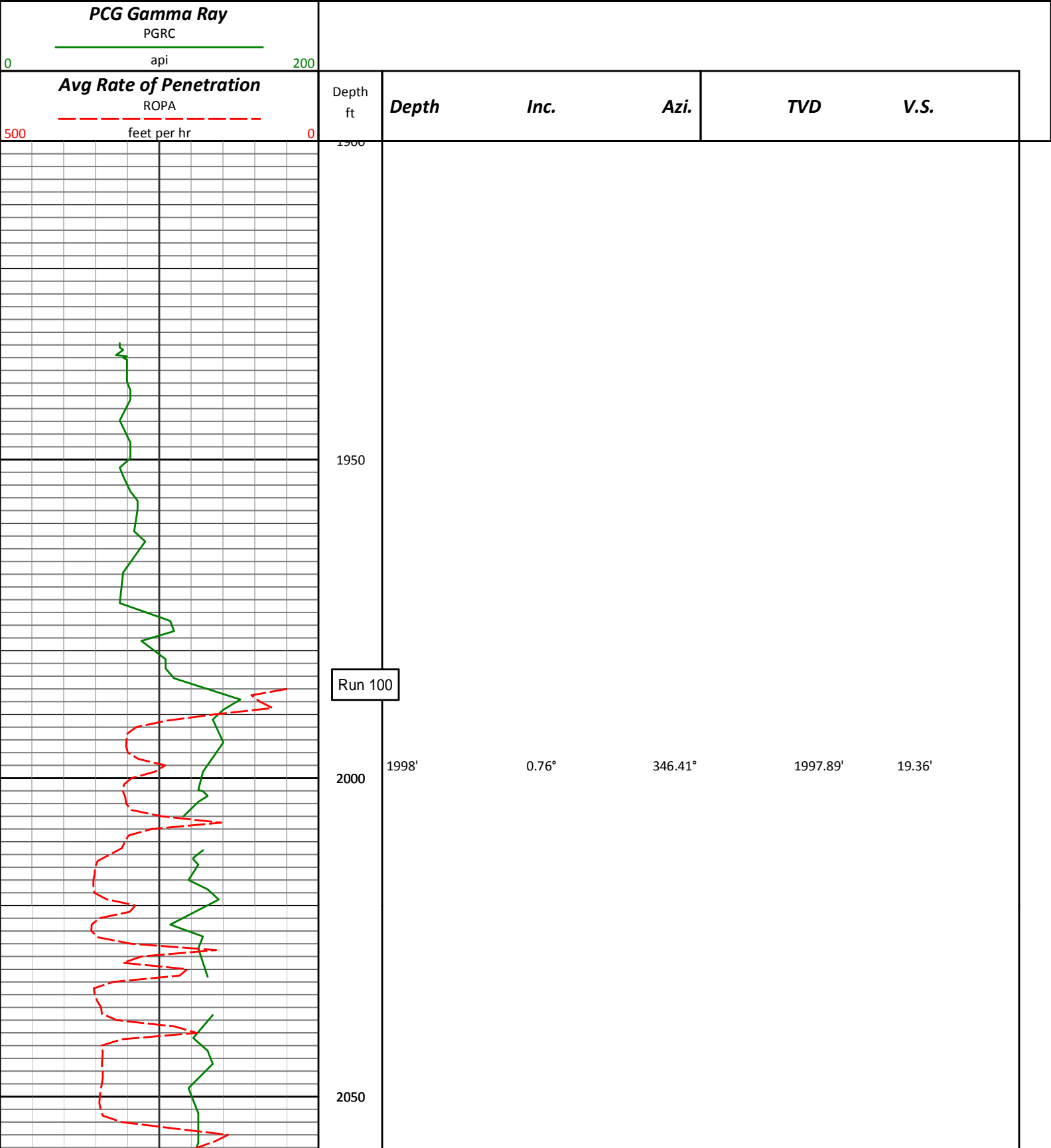
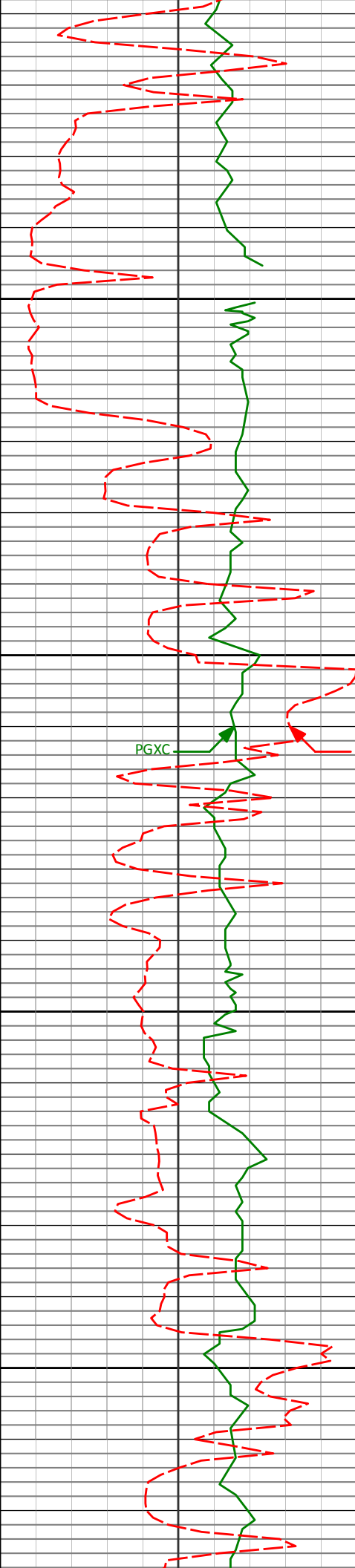


HALLIBURTON
Sperry Drilling Services
MD Detail Log 1:240

Conoco/Phillips
Zukowski 17-1H
H&P 280





2093'

0.65°

316.85°

2092.88'

20.36'

2100

2150

PGXC

ROPA

2188'

0.74°

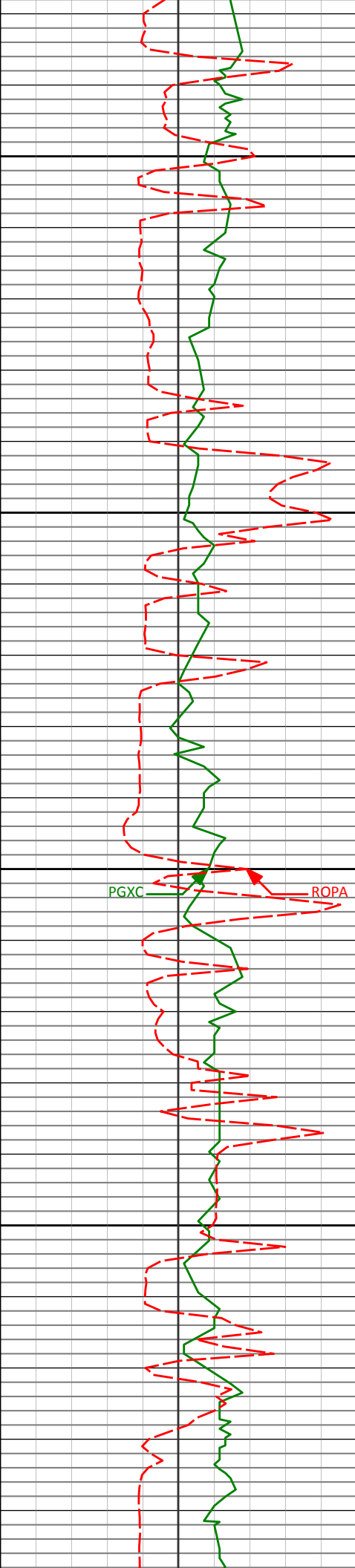
342.34°

2187.87'

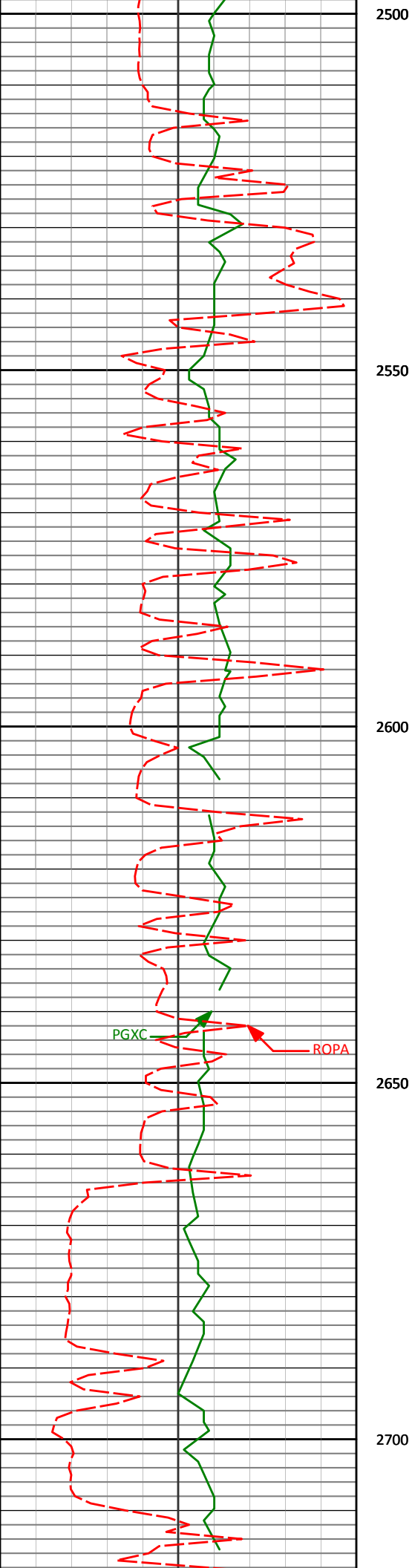
21.34'

2200

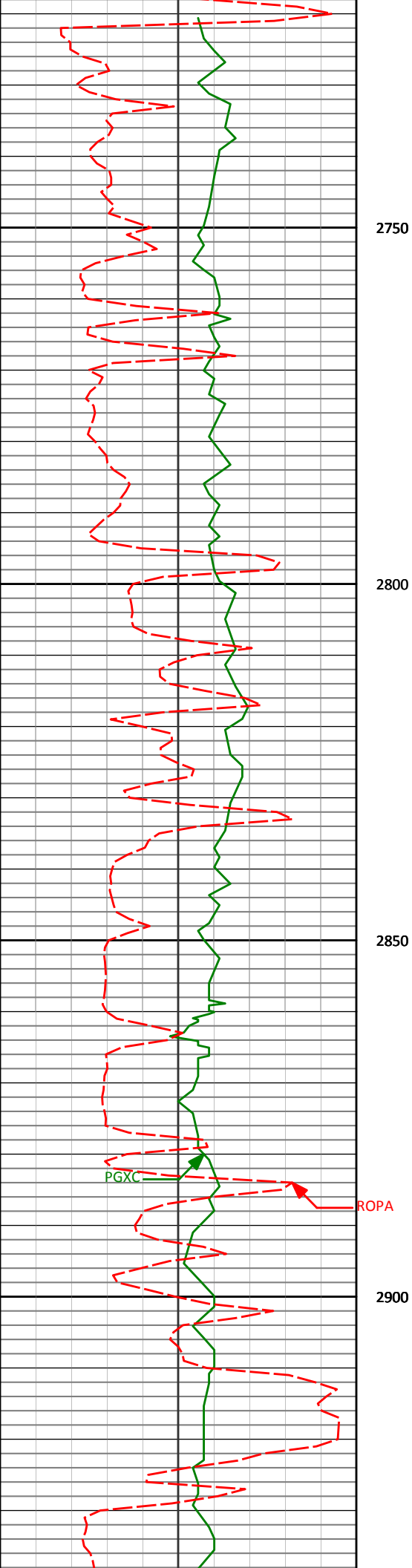
2250



2283'	1.14°	11.31°	2282.86'	22.85'
2300				
2350				
2378'	1.96°	13.49°	2377.82'	25.36'
2400				
2450				
2473'	1.97°	17.77°	2472.77'	28.50'



2500				
2550				
2568'	2.61°	14.41°	2567.69'	32.16'
2600				
2650				
2663'	2.68°	15.03°	2662.59'	36.41'
2700				



2758'

2.33°

15.30°

2757.50'

40.43'

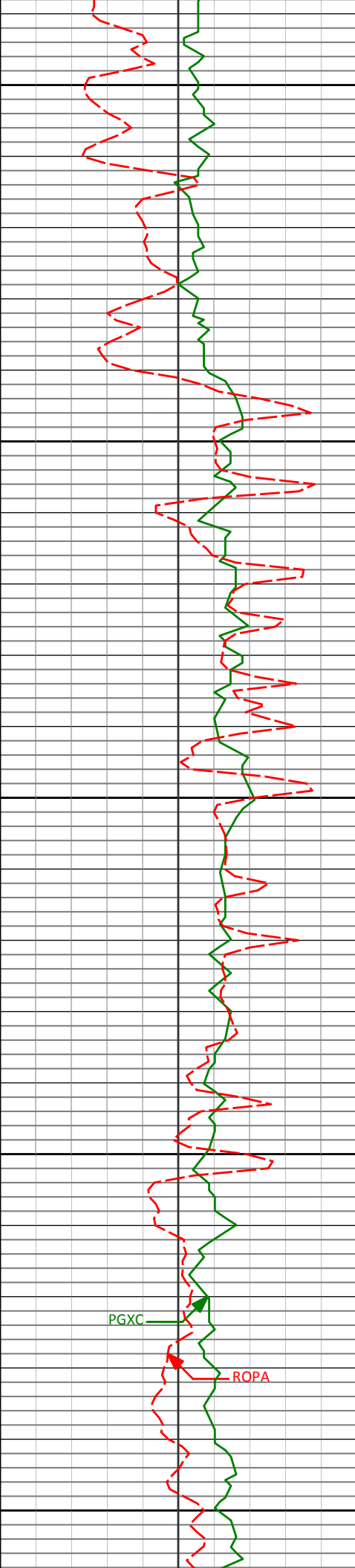
2853'

1.94°

14.48°

2852.43'

43.86'



2950

2948'

2.65°

12.43°

2947.36'

47.56'

3000

3043'

2.81°

5.73°

3042.25'

52.03'

3050

3100

PGXC

ROPA

3138'

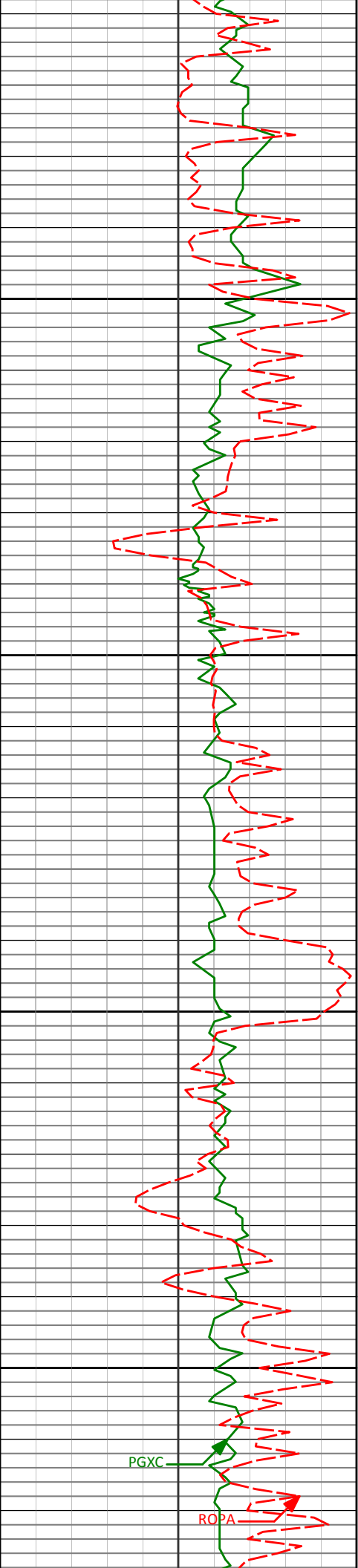
2.53°

357.83°

3137.15'

56.45'

3150



3200

3250

3300

3350

3233'

1.91°

351.31°

3232.07'

60.11'

3328'

2.29°

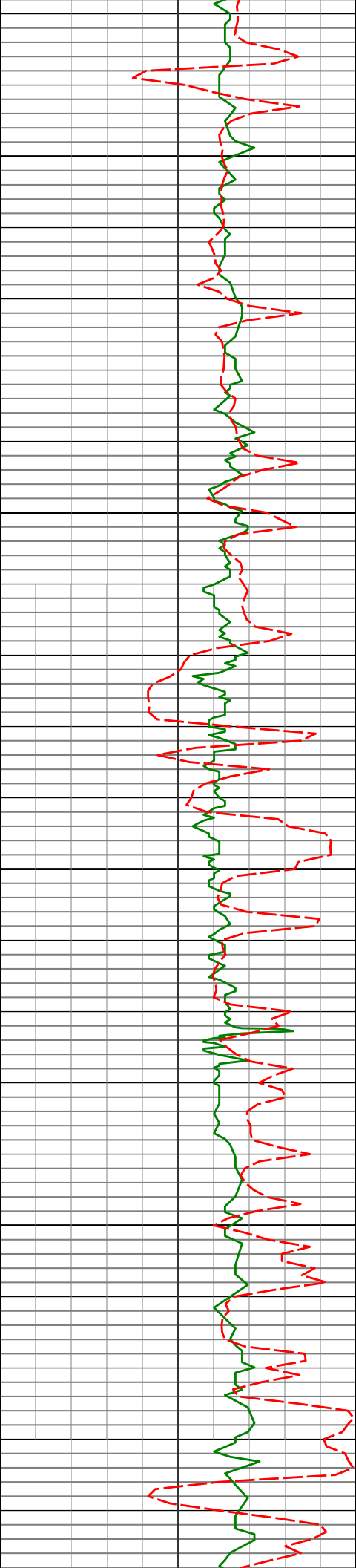
355.05°

3327.01'

63.56'

PGXC

ROPA



3400

3423'

2.44°

353.76°

3421.93'

67.47'

3450

3500

3517'

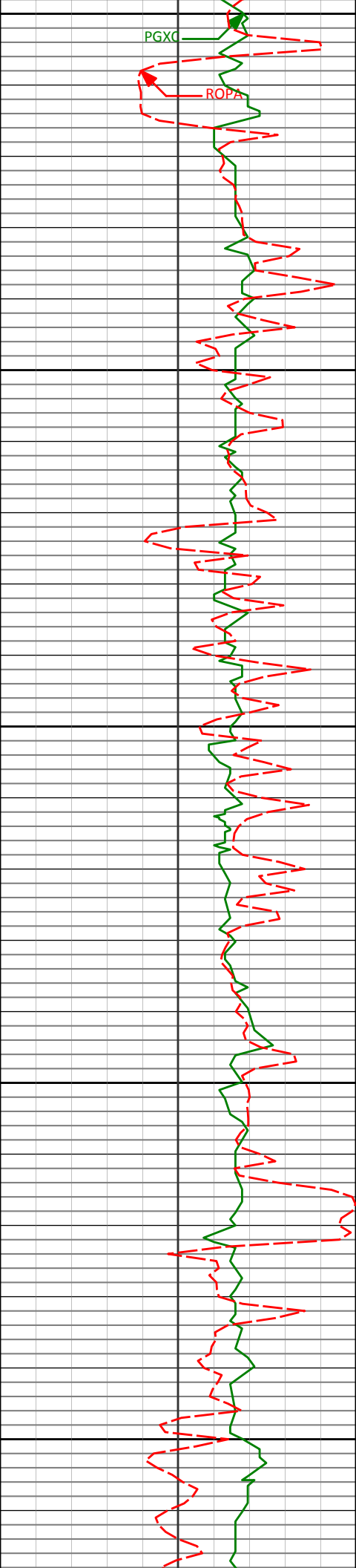
2.45°

352.16°

3515.84'

71.45'

3550



3600

3612'

2.41°

9.37°

3610.76'

75.43'

3650

3700

3707'

1.99°

8.01°

3705.69'

79.04'

3750

3800

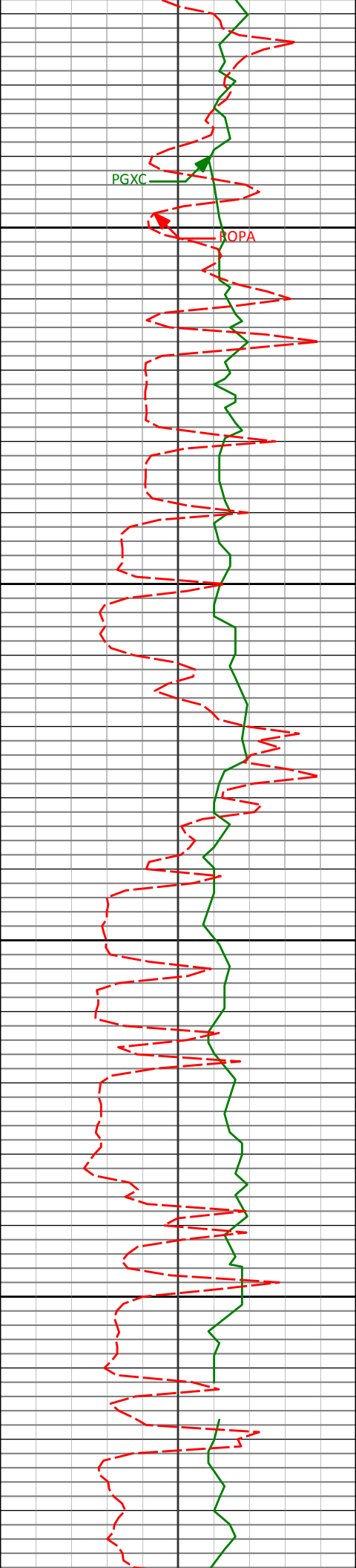
3802'

2.68°

1.68°

3800.61'

82.89'



3850

3900

3950

4000

3897'

2.47°

3.36°

3895.51'

87.15'

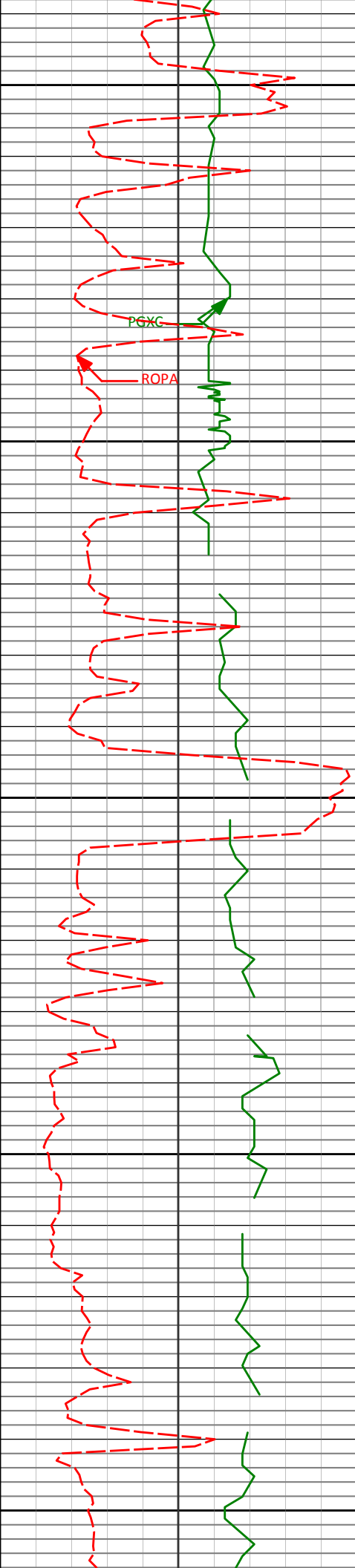
3992'

2.19°

5.72°

3990.44'

91.00'



4050

4100

4150

4200

4250

4087'

1.79°

353.82°

4085.38'

94.29'

4182'

2.39°

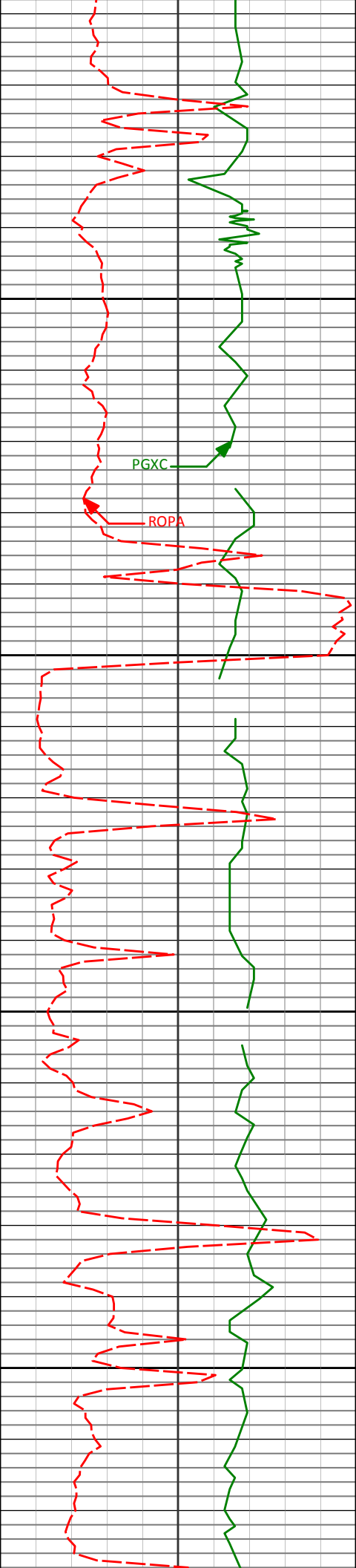
5.90°

4180.32'

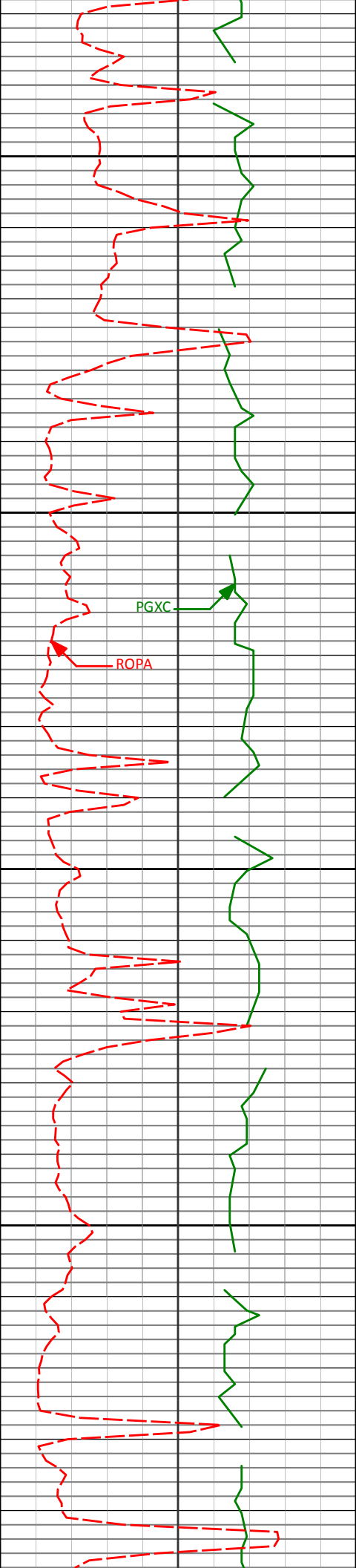
97.74'

PGXC

ROPA



4277'	2.14°	6.50°	4275.24'	101.47'
4300				
4350				
4372'	2.51°	7.87°	4370.16'	105.29'
4400				
4450				
4466'	2.53°	14.88°	4464.07'	109.35'



4500

4550

4561'

2.47°

19.38°

4558.98'

113.32'

4600

4650

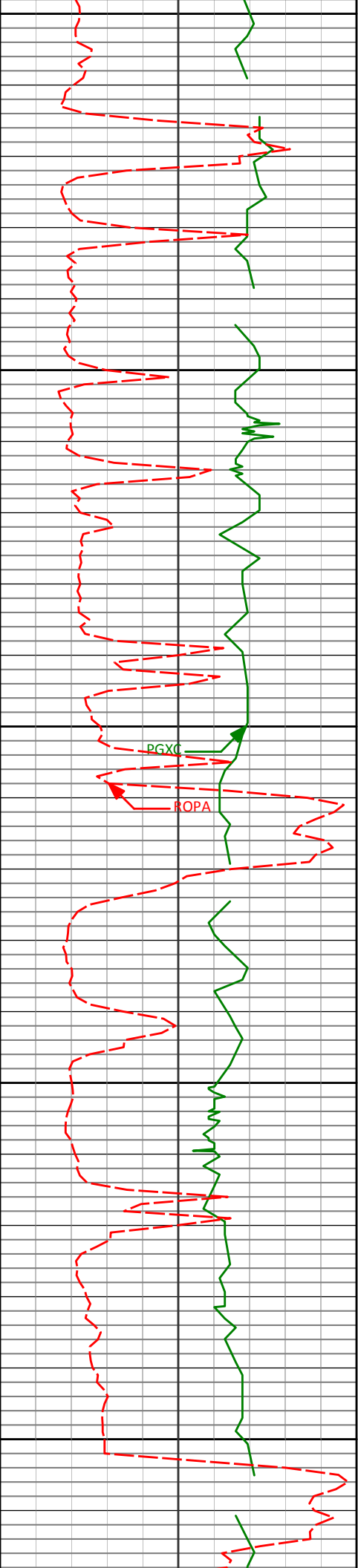
4656'

2.47°

21.53°

4653.89'

117.17'



4700

4750

4800

4850

4900

4751'

1.76°

5.45°

4748.83'

120.53'

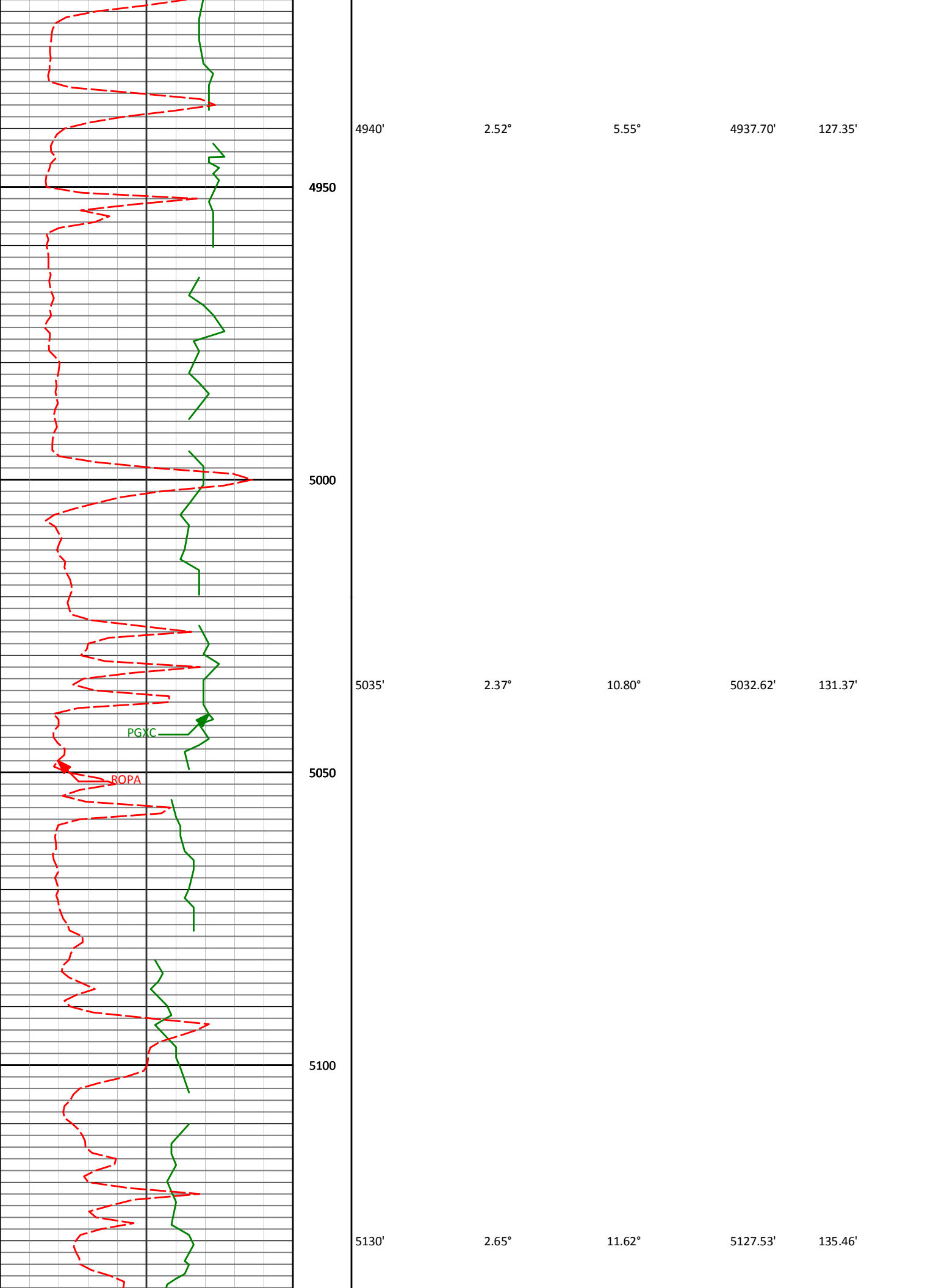
4845'

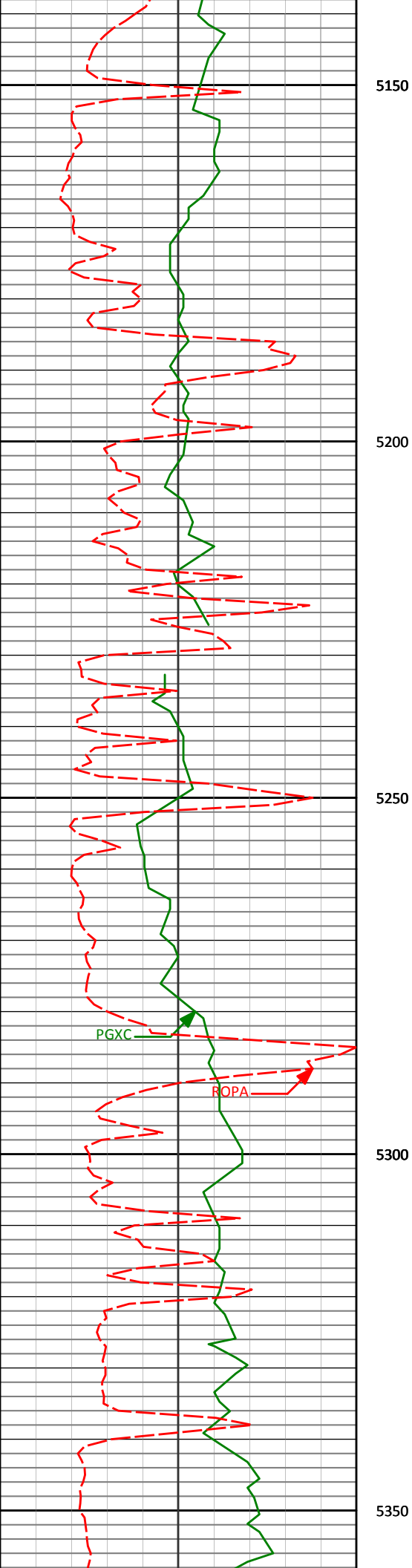
2.01°

356.53°

4842.78'

123.61'





5225'

2.86°

10.39°

5222.42'

139.96'

5250

PGXC

BOPA

5300

5320'

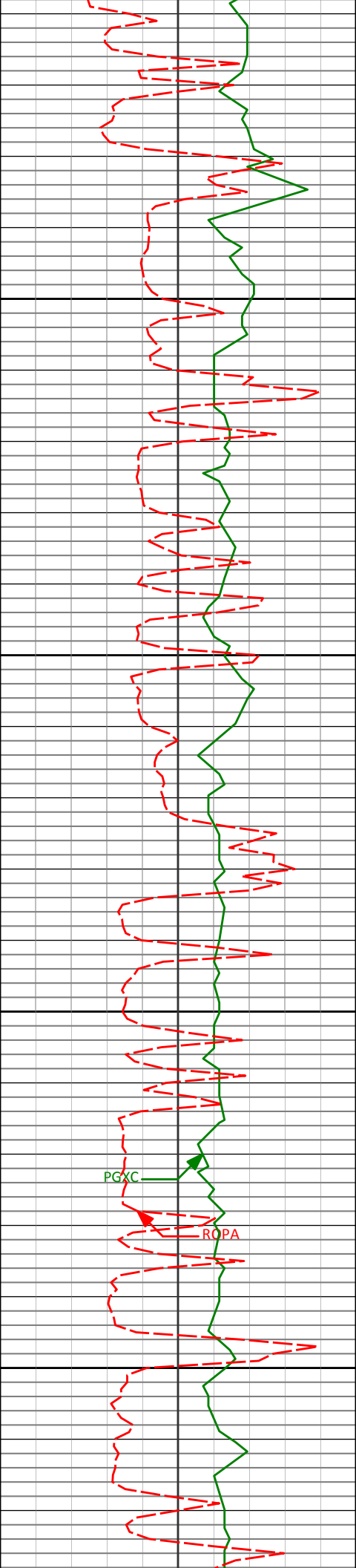
2.91°

9.64°

5317.30'

144.67'

5350



5400

5415'

2.91°

11.01°

5412.17'

149.42'

5450

5500

5510'

2.85°

5.43°

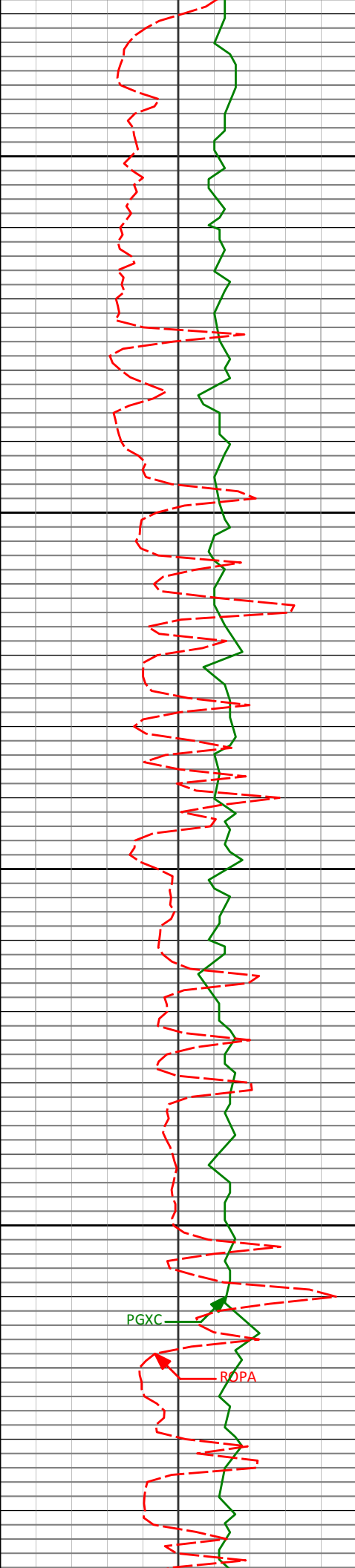
5507.05'

154.14'

5550

PGXC

ROPA



5600

5605'

3.05°

8.66°

5601.93'

159.00'

5650

5700

5700'

2.99°

4.24°

5696.80'

163.98'

5750

PGXC

ROPA

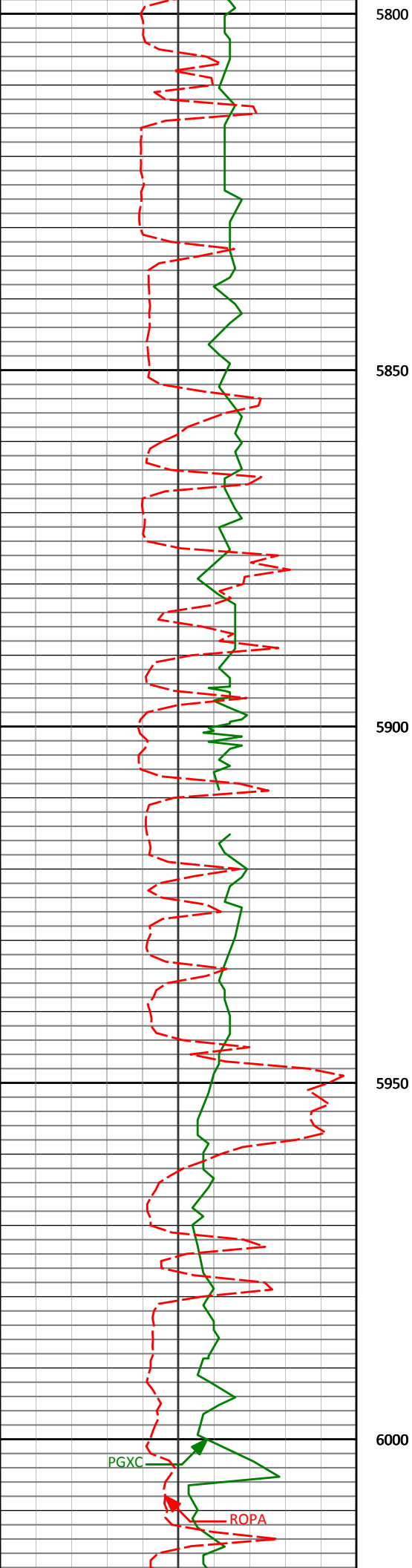
5795'

3.37°

3.05°

5791.65'

169.24'



5890'

3.42°

356.92°

5886.48'

174.86'

5900

5950

5985'

3.02°

7.11°

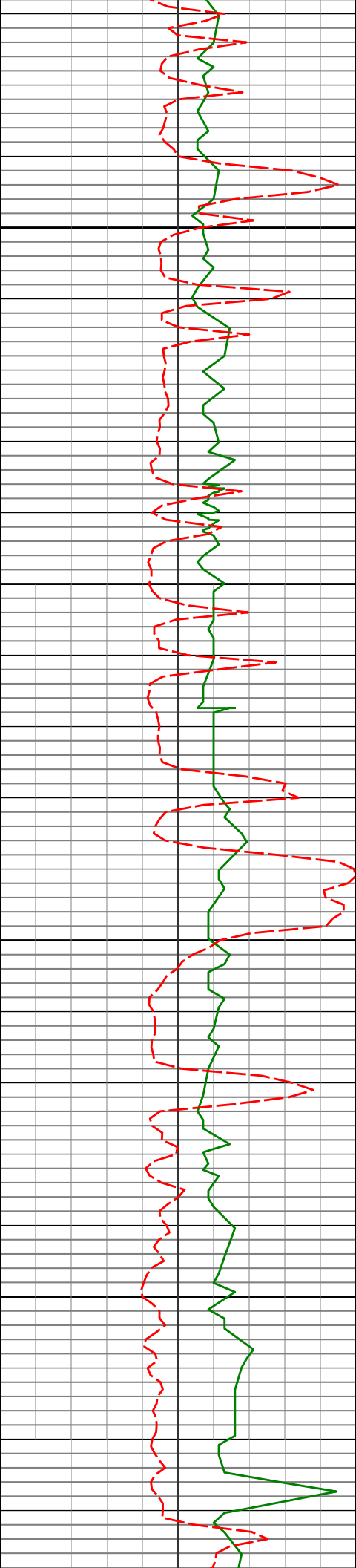
5981.33'

180.17'

6000

PGXC

ROPA



6050

6079'

3.06°

354.25°

6075.20'

185.13'

6100

6150

6174'

2.46°

345.68°

6170.09'

189.62'

6200



6250

6269'

2.59°

334.04°

6265.00'

193.51'

6300

6350

6364'

1.08°

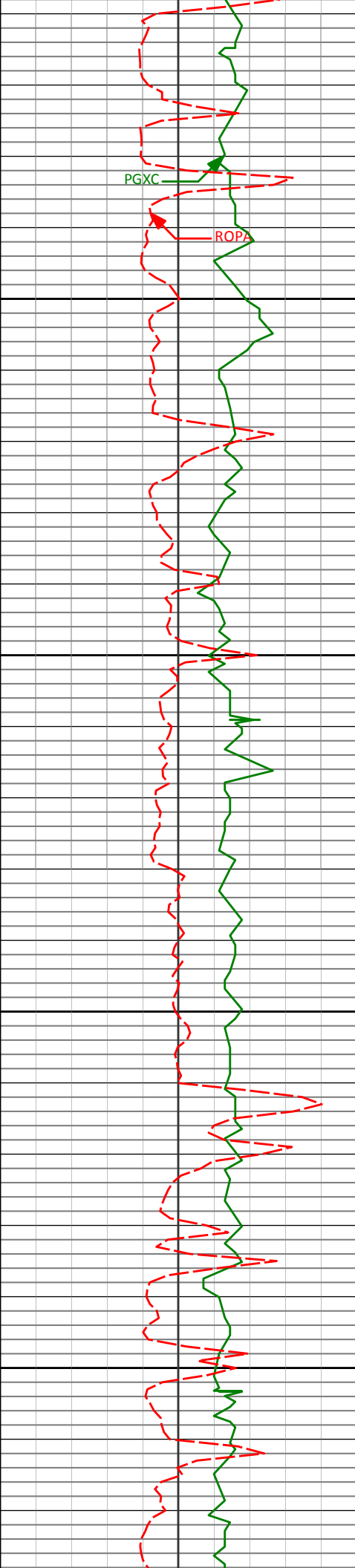
315.96°

6359.95'

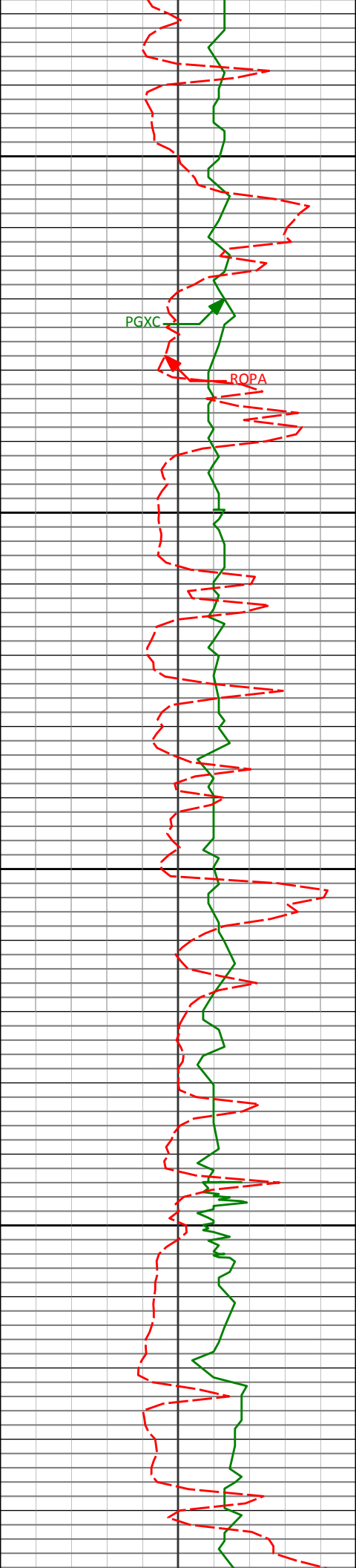
196.07'

6400

6450



	6459'	0.20°	48.71°	6454.94'	196.81'
6500					
6550					
6554'	6554'	0.26°	122.48°	6549.94'	196.81'
6600					
6650					
6649'	6649'	0.04°	214.04°	6644.94'	196.66'



6700

PGXC

ROPA

6750

6800

6850

6744'

0.07°

41.97°

6739.94'

196.67'

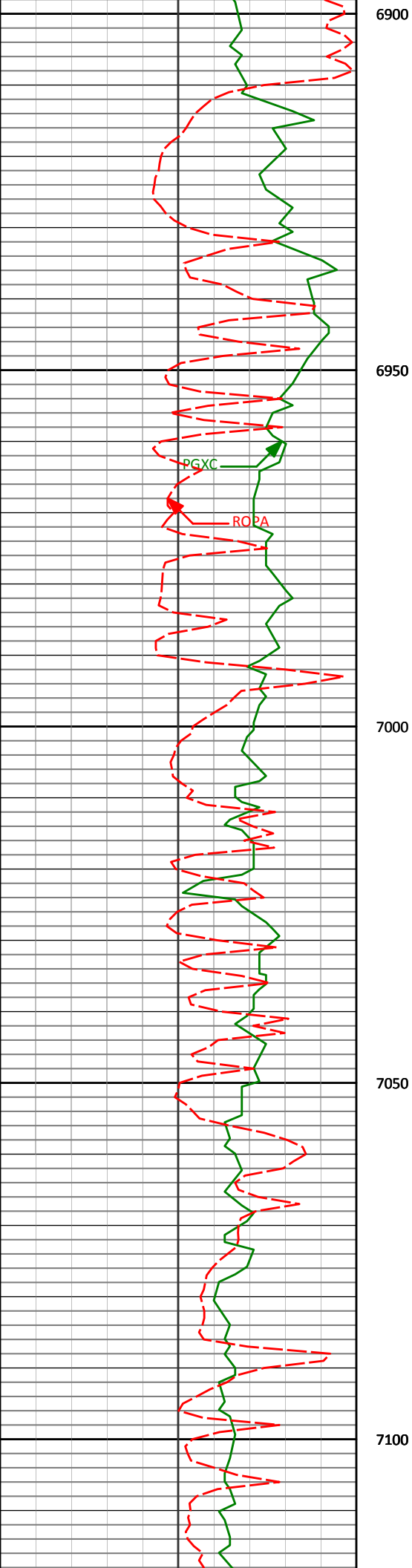
6839'

0.51°

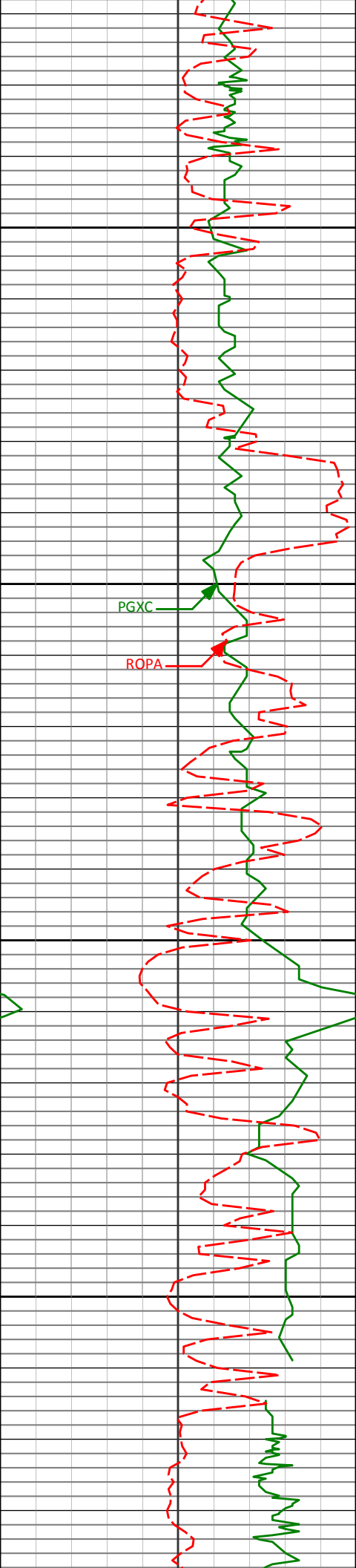
294.77°

6834.94'

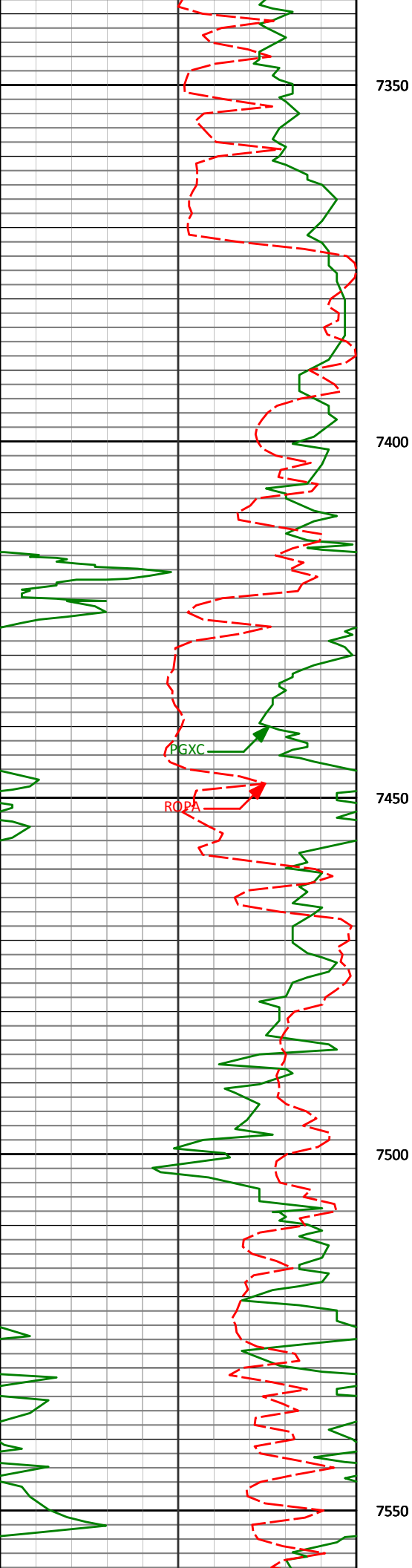
196.89'



6900				
6934'	0.34°	144.94°	6929.94'	196.83'
6950				
7000				
7029'	0.37°	258.03°	7024.94'	196.53'
7050				
7100				



7124'	0.56°	292.20°	7119.94'	196.63'
7150				
7200				
7219'	0.33°	215.20°	7214.93'	196.58'
7250				
7300				
7314'	1.35°	269.59°	7309.92'	196.34'



7409'

0.38°

266.64°

7404.91'

196.30'

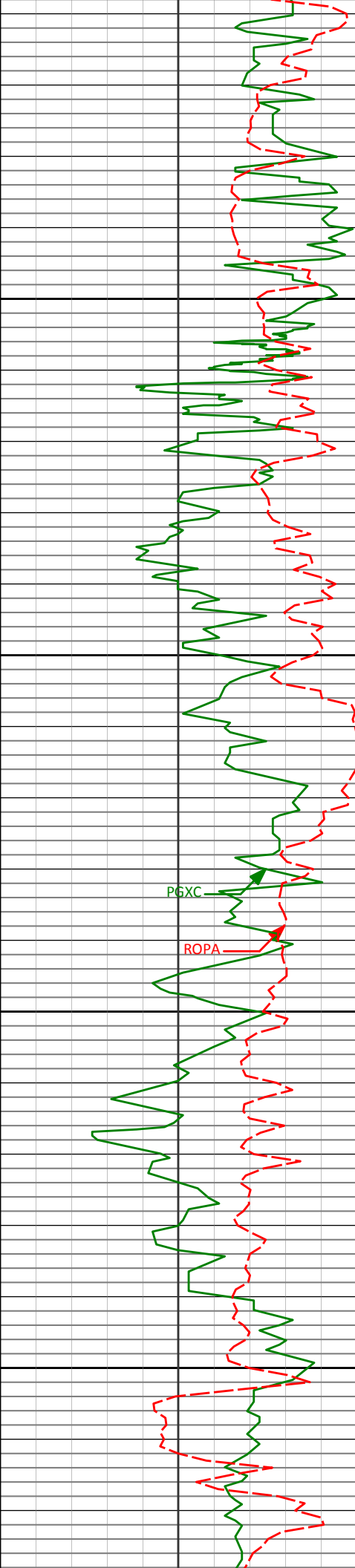
7504'

0.25°

292.45°

7499.91'

196.35'



7600

7598'

0.90°

281.73°

7593.91'

196.57'

7650

PGXC

ROPA

7700

7693'

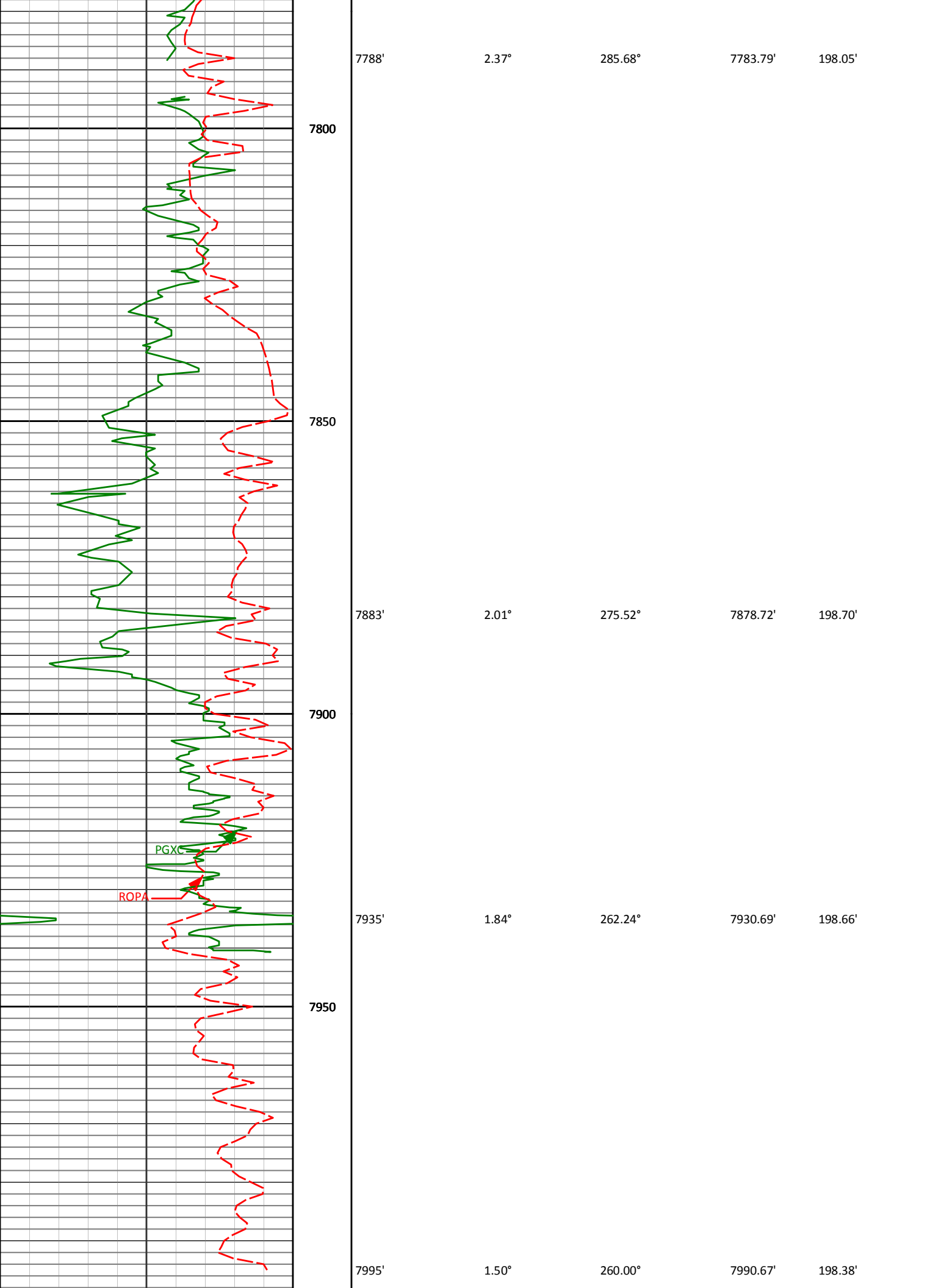
2.26°

283.17°

7688.87'

197.13'

7750



										0000																			
<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div></div><div>Avg Rate of Penetration ROPA feet per hr</div></div>										Depth ft										<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div></div><div>Depth Inc. Azi. TVD V.S.</div></div>									
<div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div><div><div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div><div><div></div></div></div></div></div><div>PCG Gamma Ray PGRC api</div></div>																													
500										0																			
0										200																			