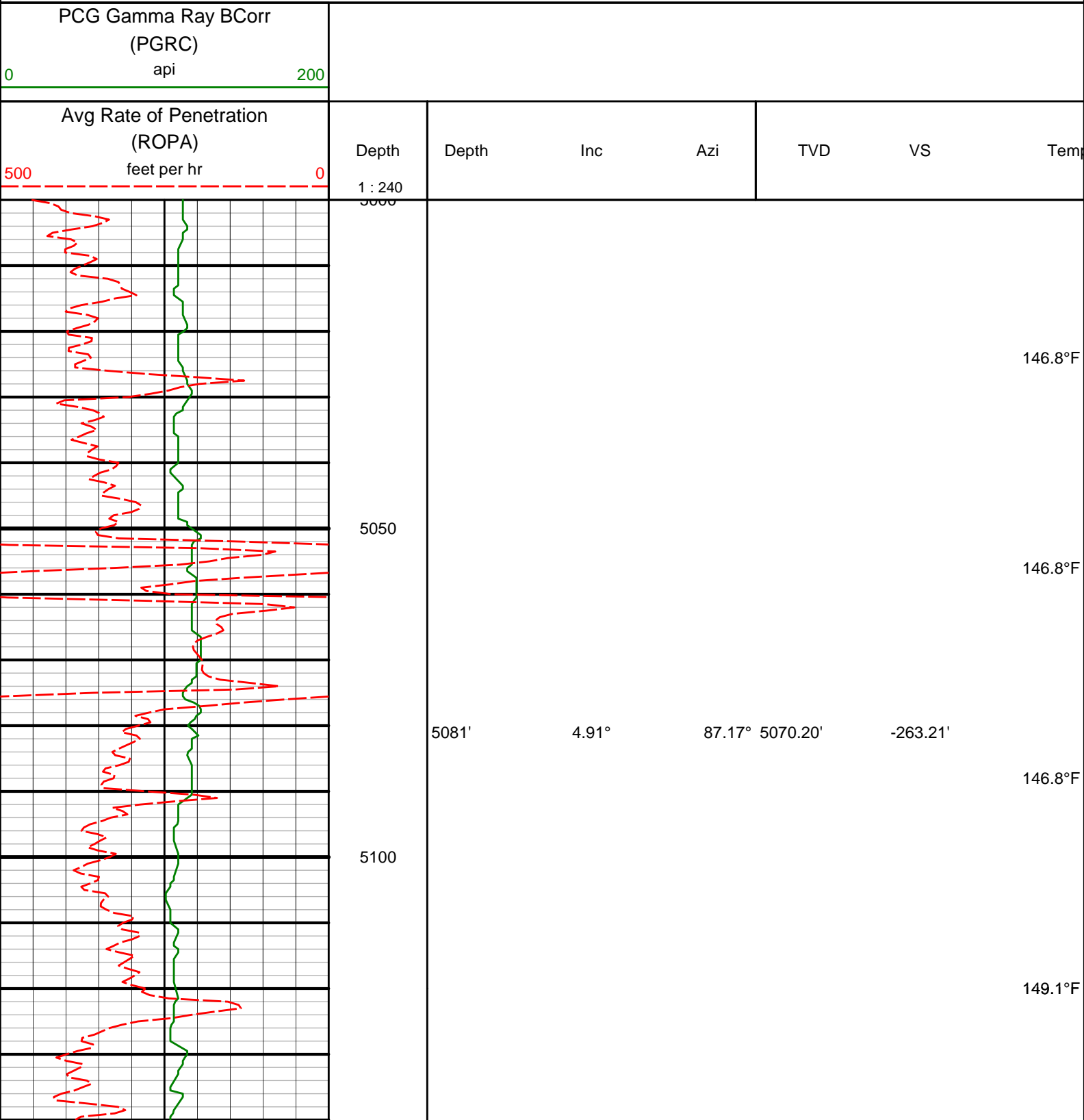
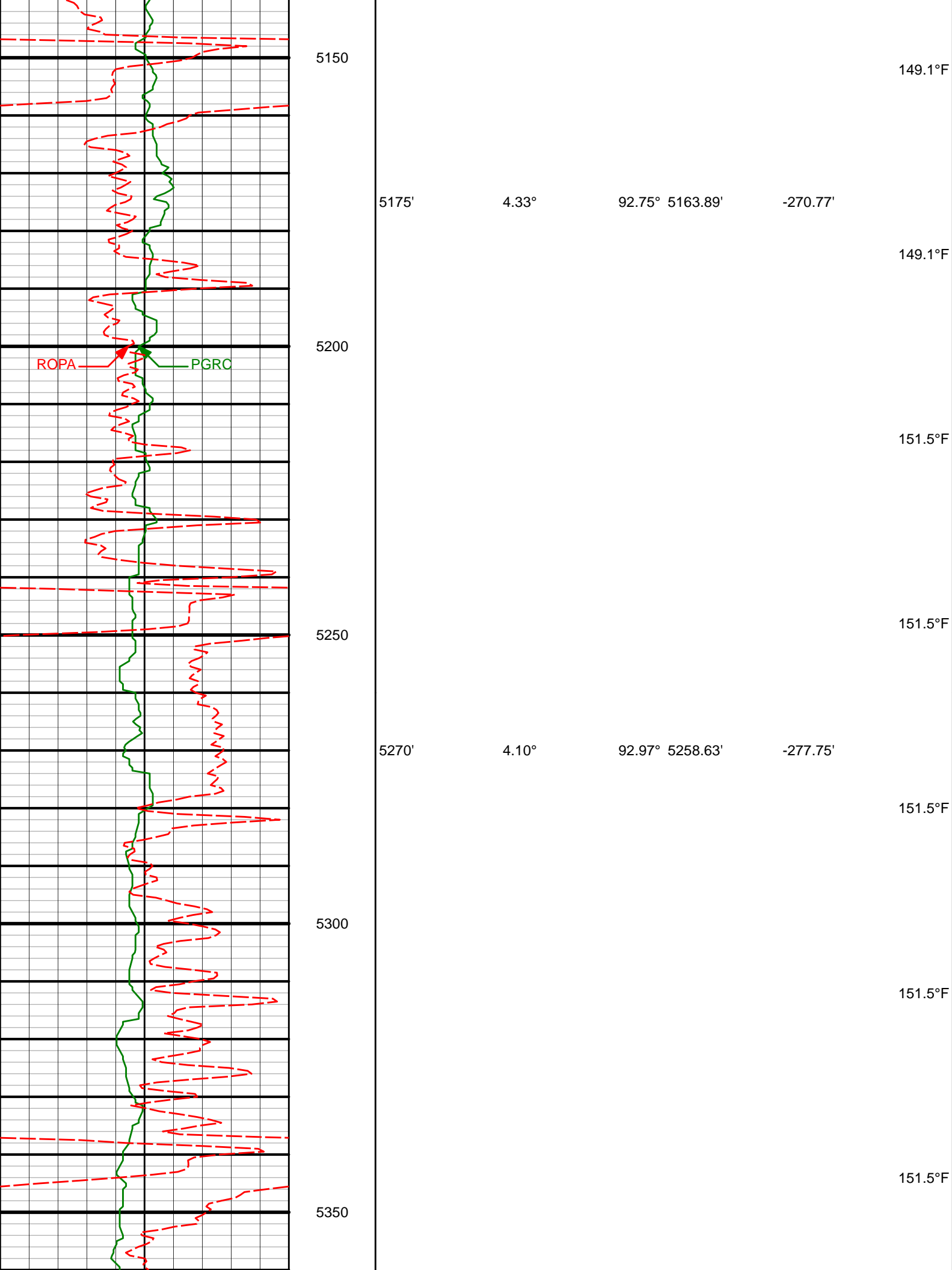
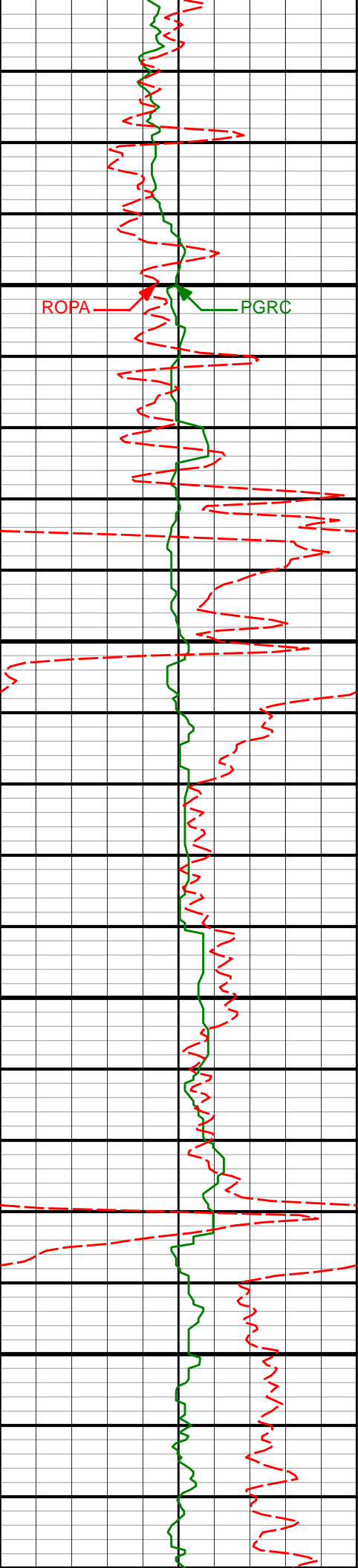


# 1:240 MD Log







5400

5450

5500

5550

5365'

3.93°

91.64° 5353.40'

-284.39'

5460'

5.77°

89.58° 5448.06'

-292.43'

5554'

5.55°

83.06° 5541.60'

-301.66'

153.8°F

151.5°F

151.5°F

153.8°F

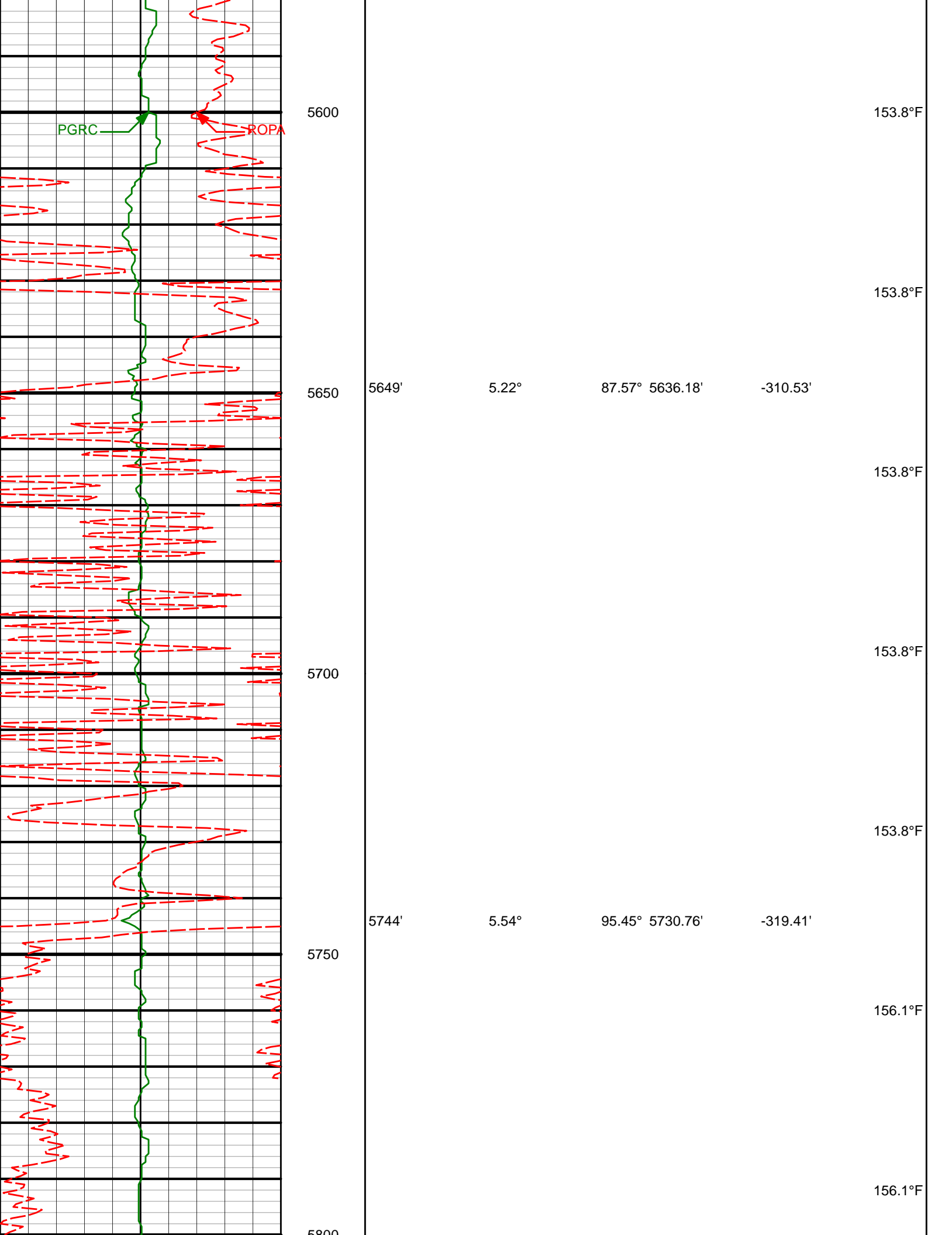
153.8°F

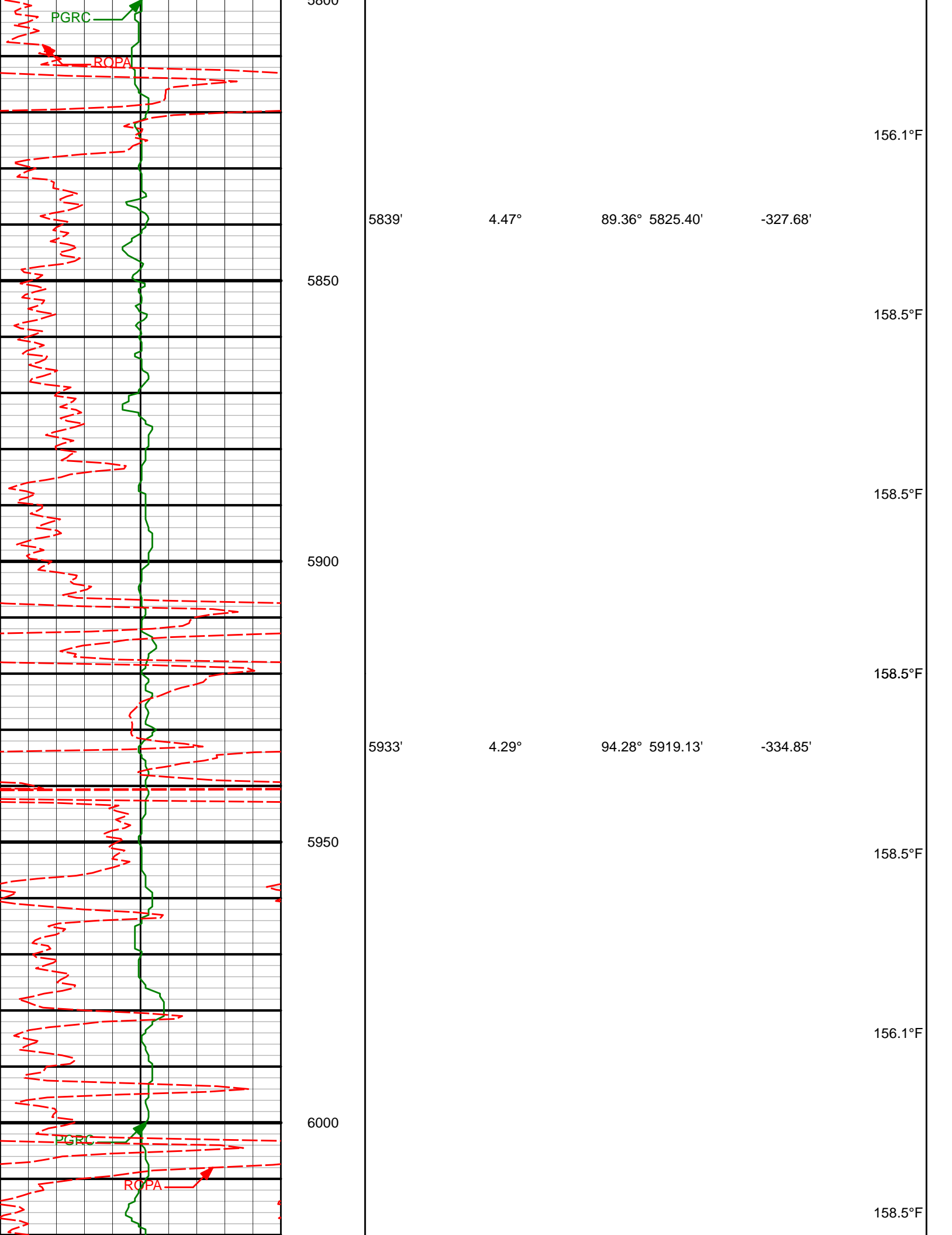
153.8°F

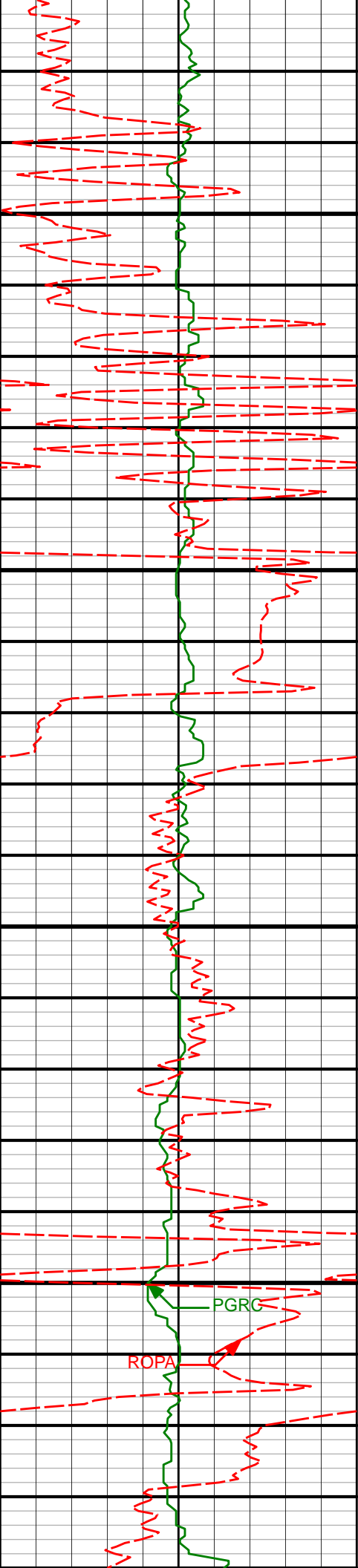
156.1°F

ROPA

PGRC







6028'

2.94°

86.54° 6013.94'

-340.82'

6050

156.1°F

6100

156.1°F

6123'

3.62°

98.43° 6108.78'

-346.21'

6150

158.5°F

6200

158.5°F

158.5°F

158.5°F

6217'

4.84°

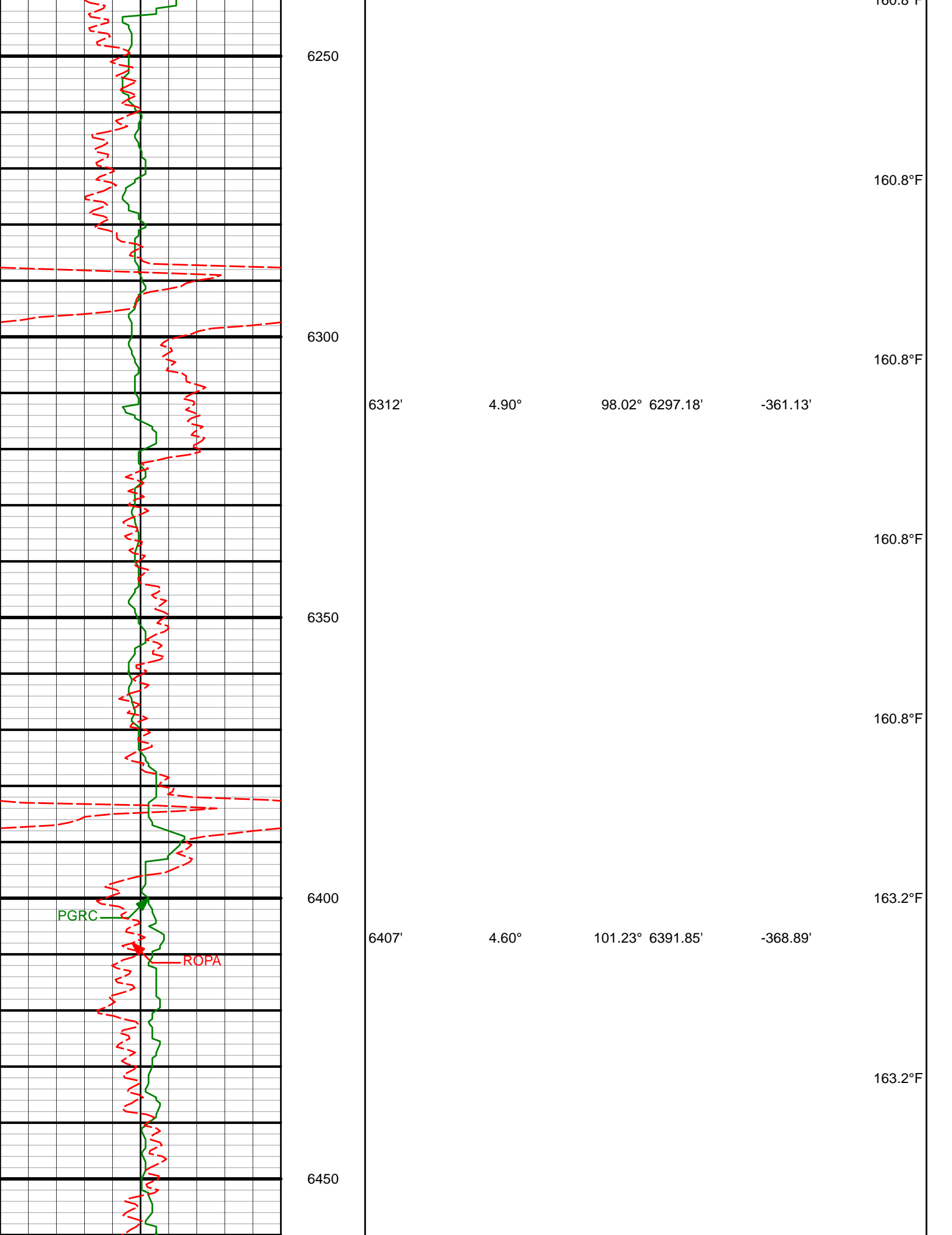
94.25° 6202.52'

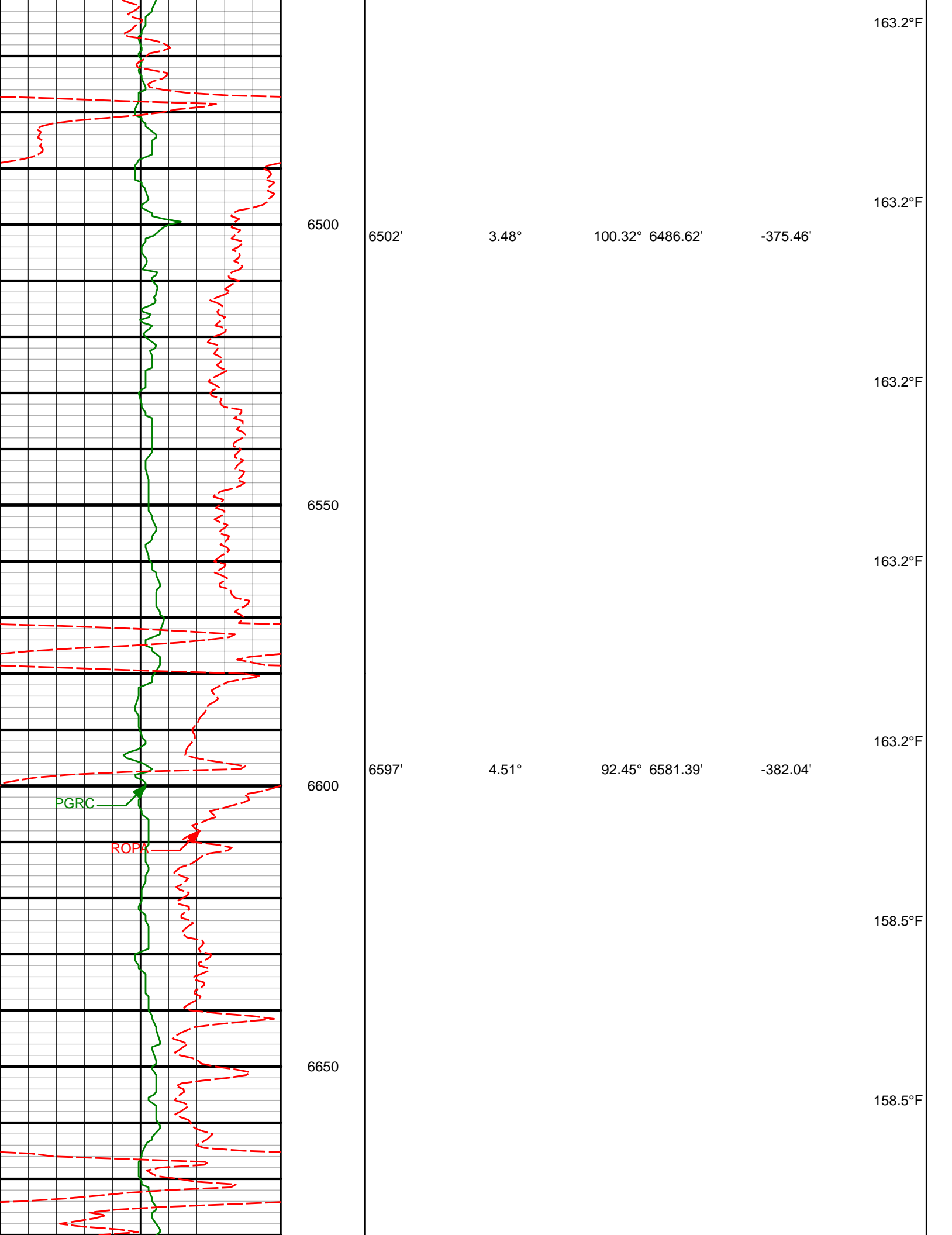
-353.10'

160.8°F

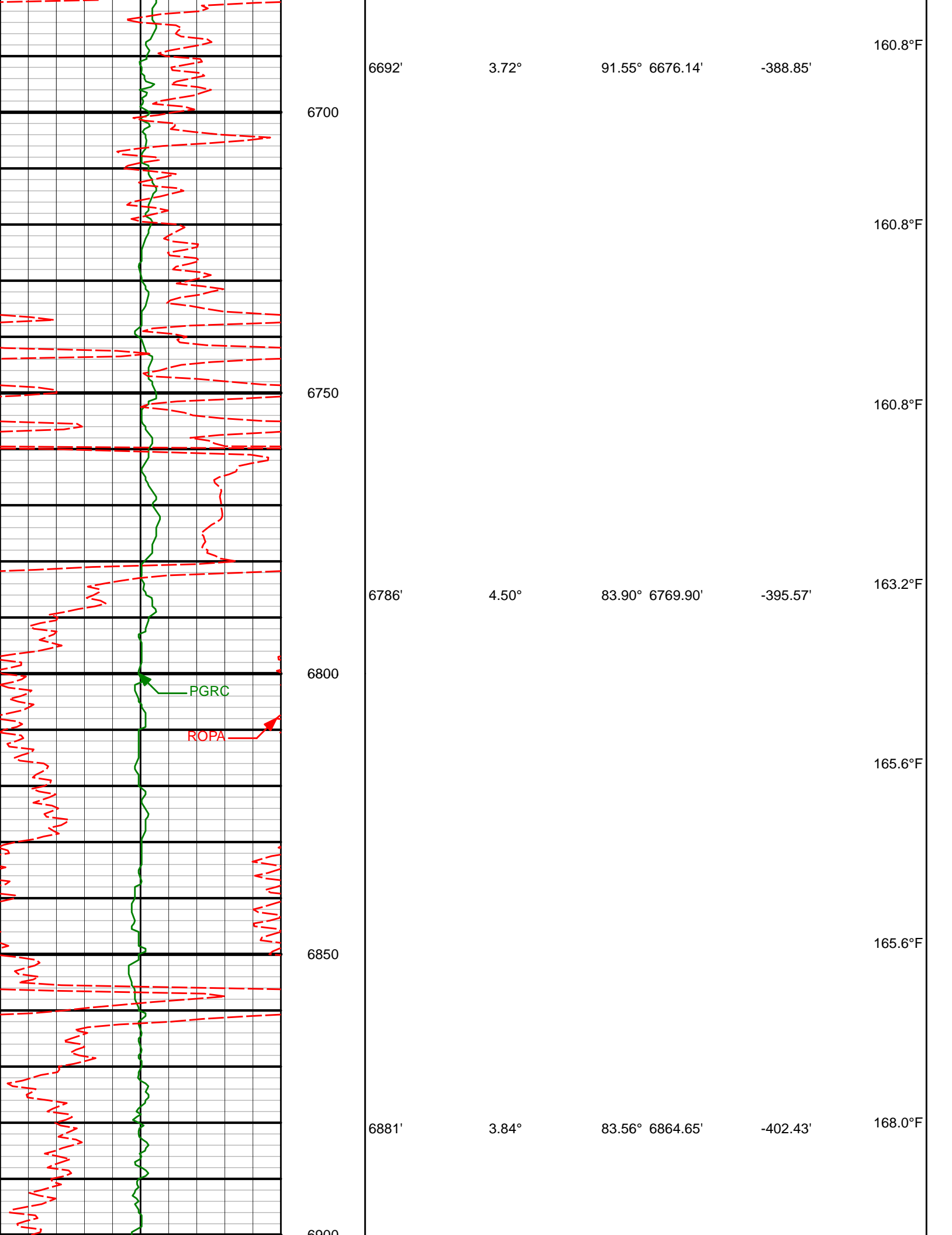
ROPA

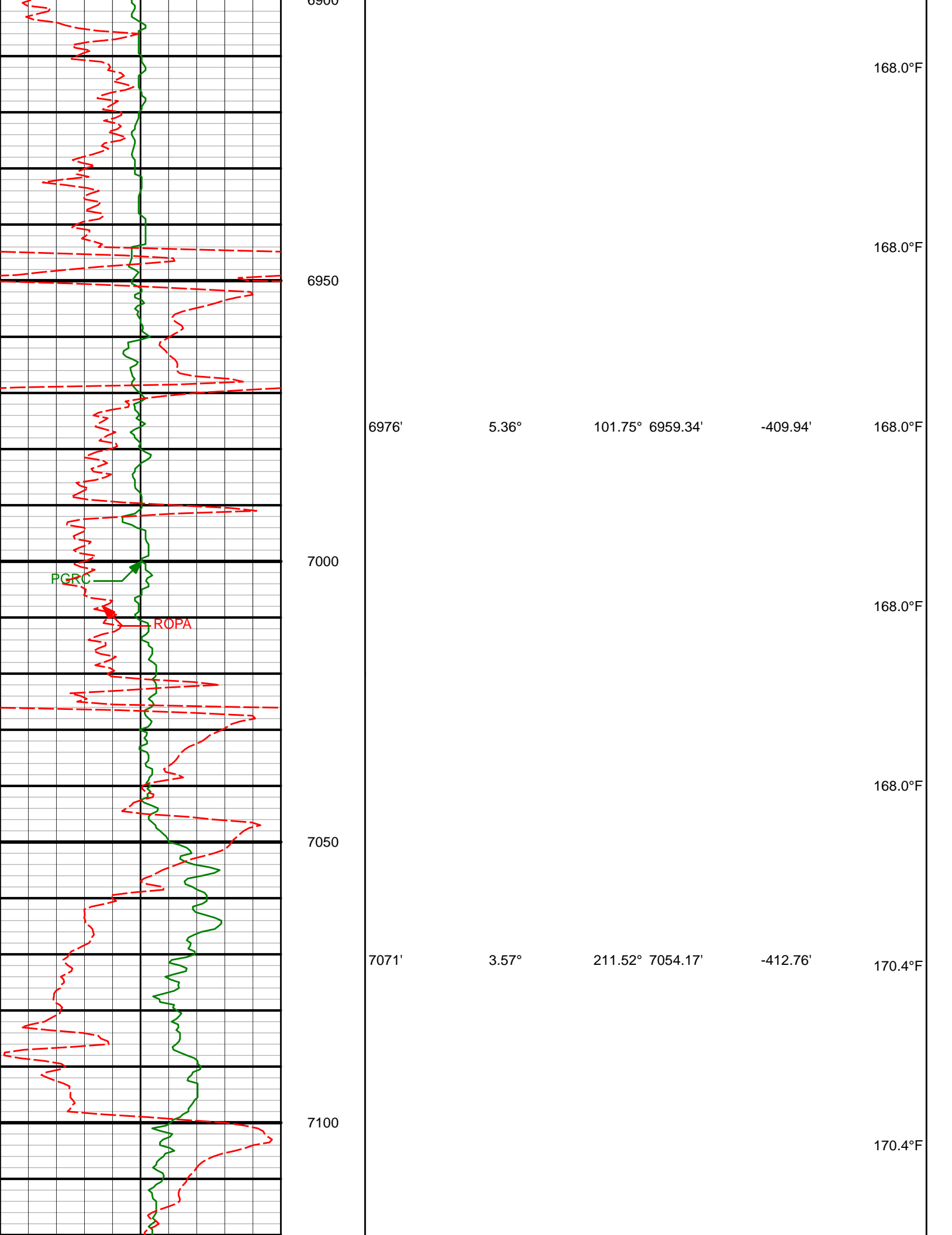
PGRC

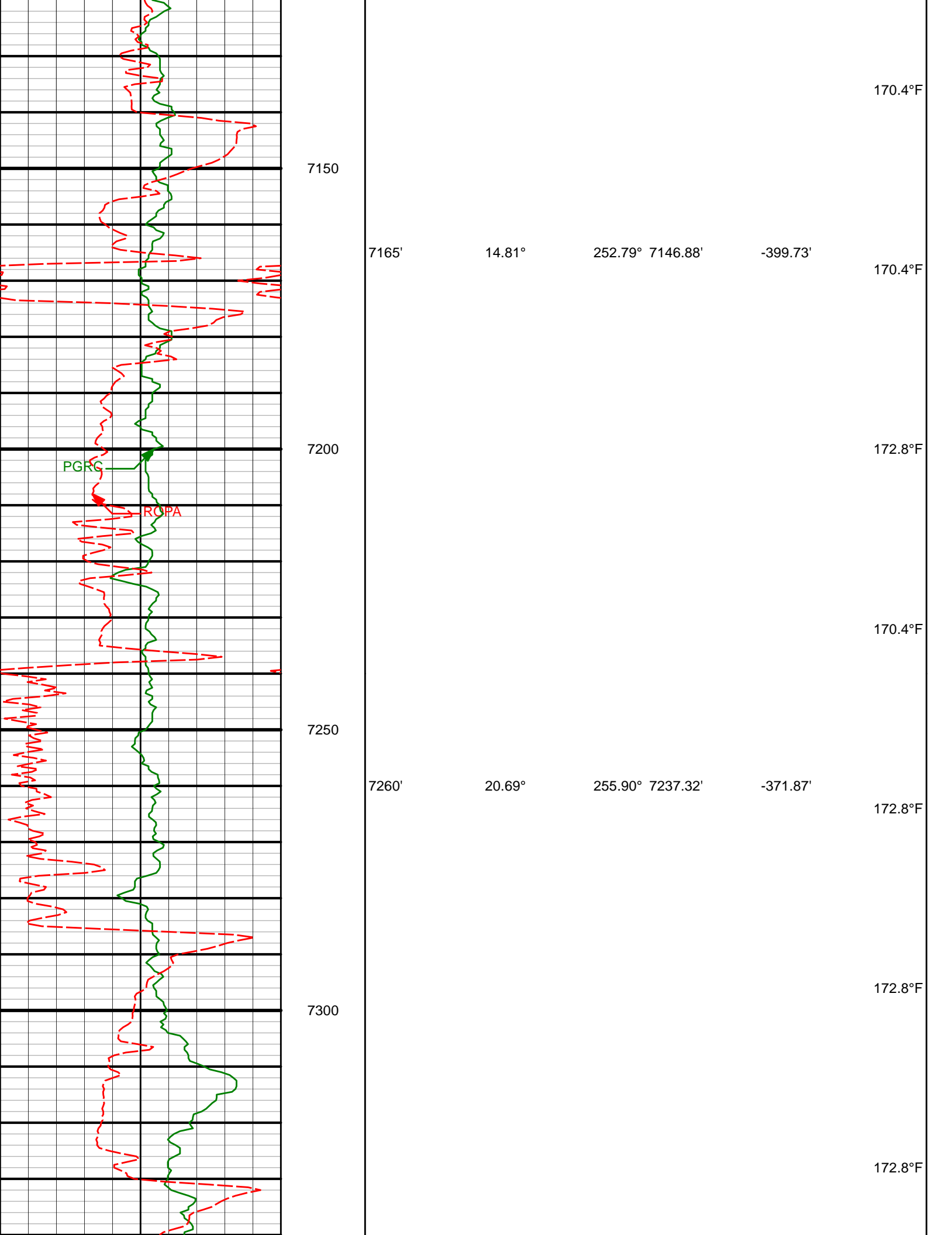


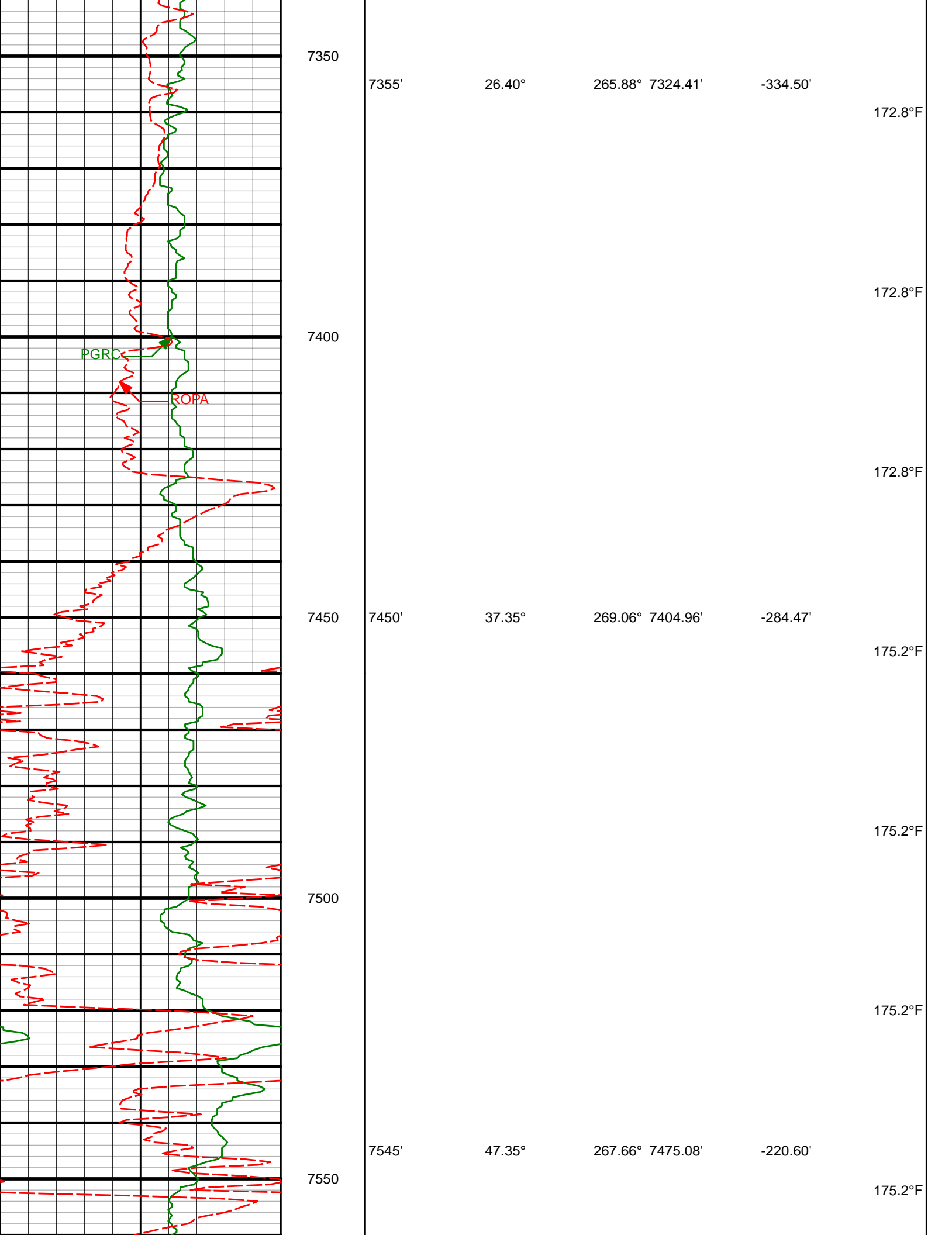


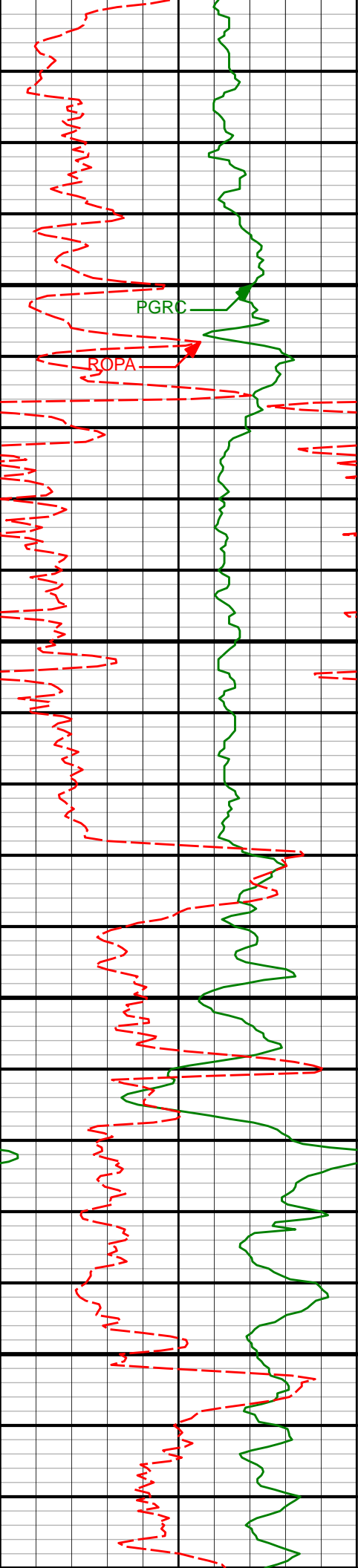












7600

7650

7700

7750

7640'

7735'

54.39°

56.33°

274.78° 7535.05'

274.05° 7589.04'

-147.05'

-69.10'

175.2°F

177.6°F

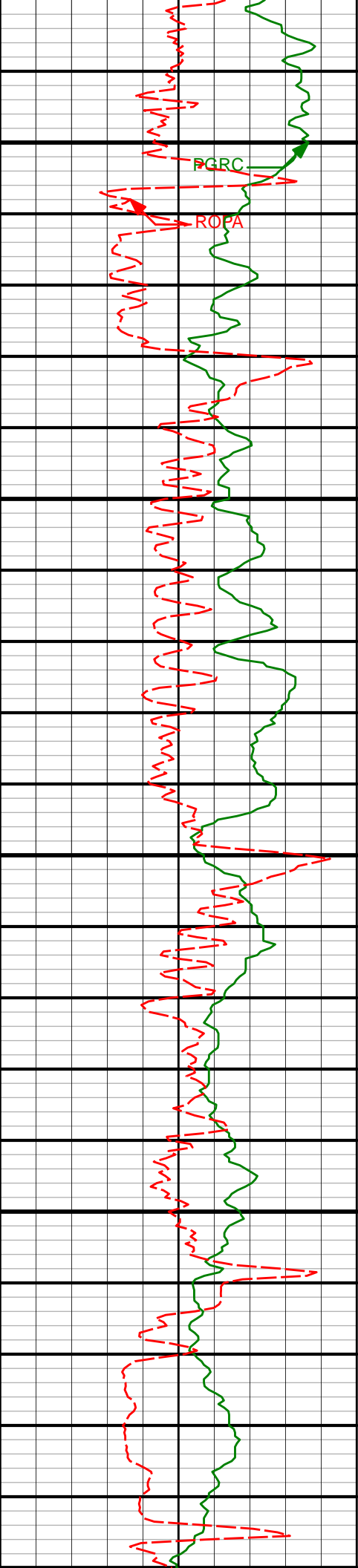
177.6°F

177.6°F

180.1°F

180.1°F

180.1°F



7800

7850

7900

7950

8000

7830'

7924'

62.95°

77.39°

271.98° 7637.03'

272.54° 7668.84'

12.73'

100.86'

180.1°F

180.1°F

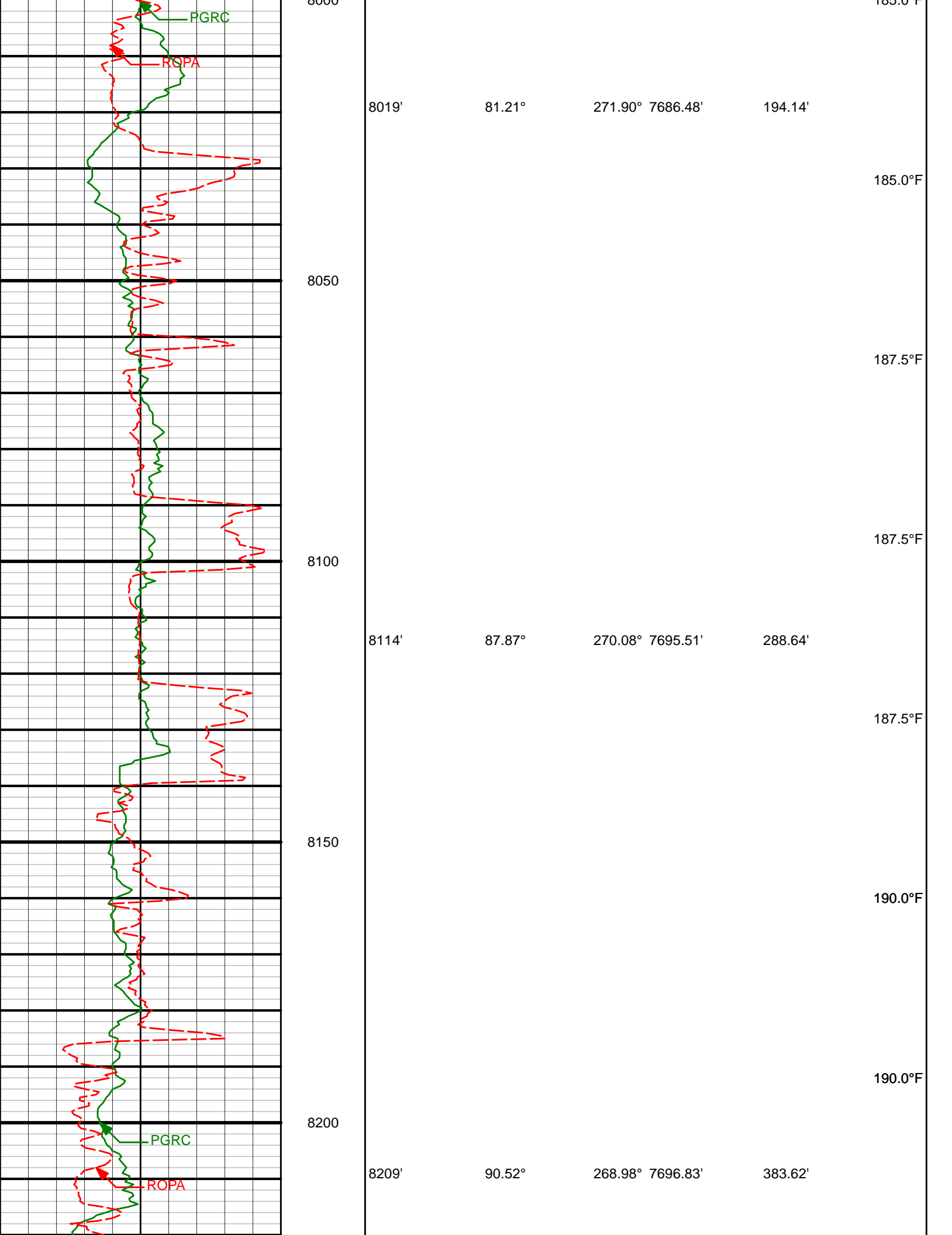
182.6°F

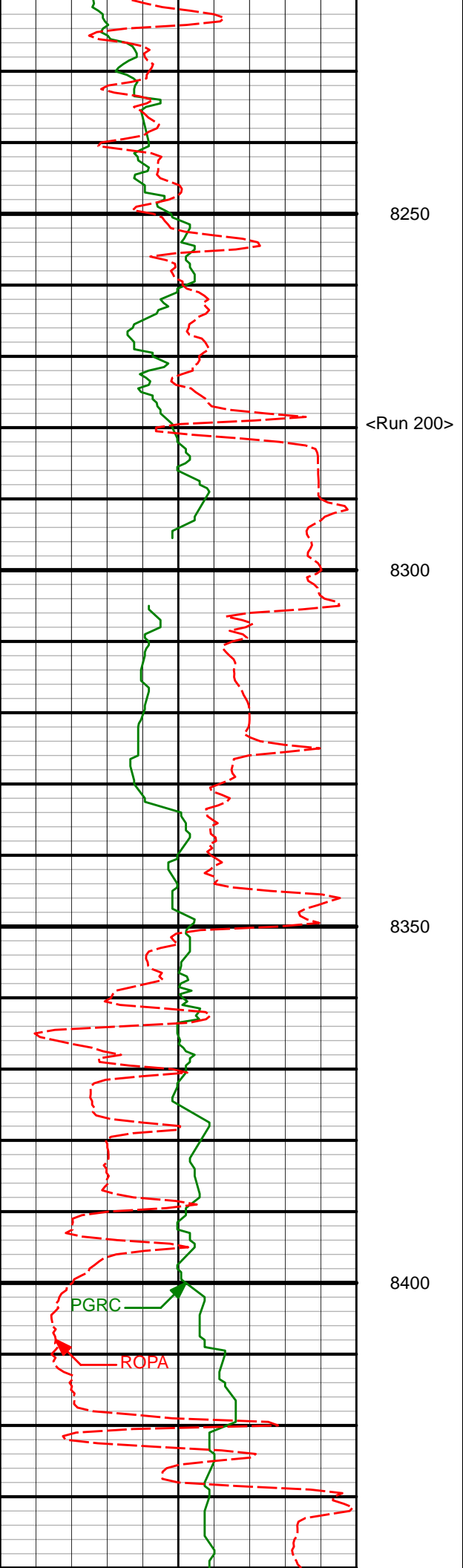
182.6°F

185.0°F

185.0°F

185.0°F





8256'

91.17°

269.13° 7696.14'

430.60'

<Run 200>

8300

8350

8351'

89.88°

268.45° 7695.27'

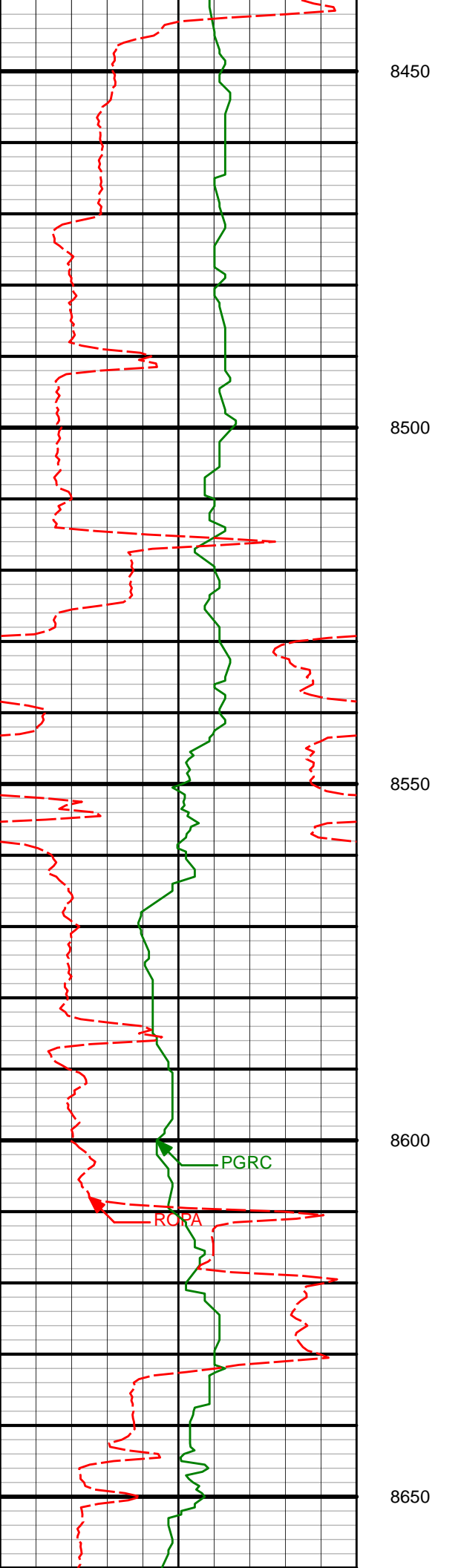
525.56'

8400

PGRC

ROPA





8446'

88.77°

269.14° 7696.40'

620.53'

8450

8500

8541'

89.57°

268.94° 7697.77'

715.49'

8550

8600

PGRC

ROPA

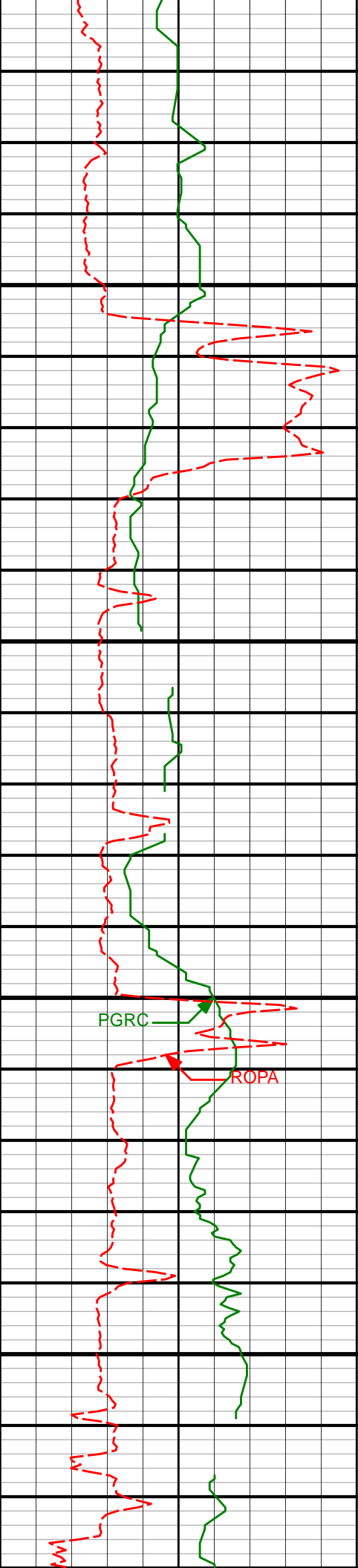
8636'

89.57°

269.50° 7698.49'

810.47'

8650



8700

8750

8800

8850

PGRC

ROPA

8730'

89.17°

270.51° 7699.52'

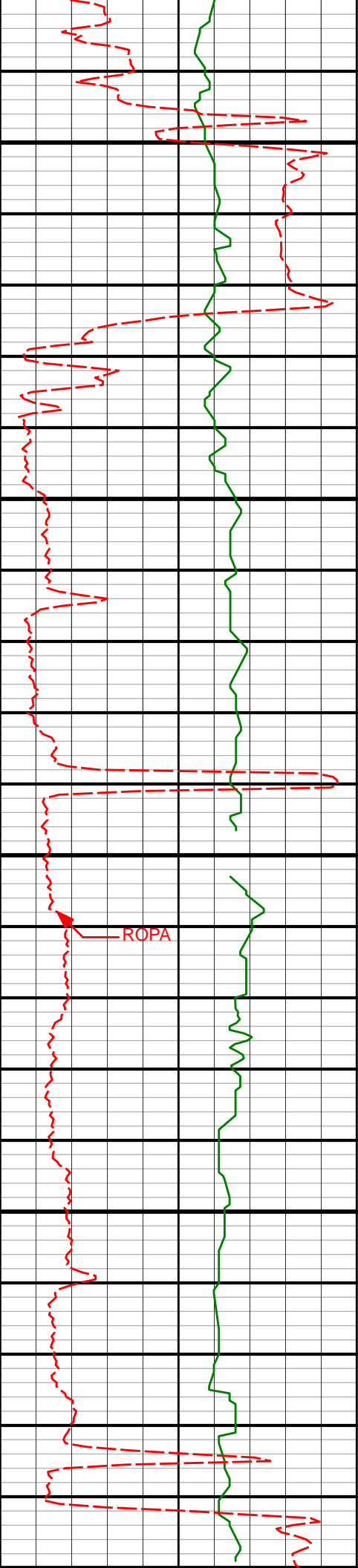
904.47'

8825'

90.09°

270.34° 7700.13'

999.46'



8900

8920'

88.40°

269.74° 7701.38'

1094.45'

8950

9000

ROPA

9015'

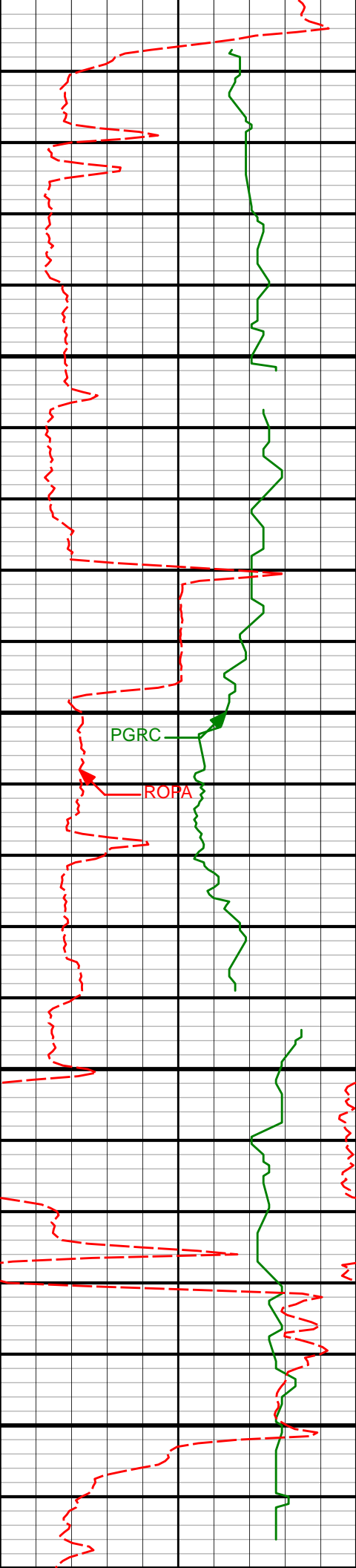
89.11°

268.82° 7703.45'

1189.41'

9050

9100



9100

9150

9200

9250

9300

9110'

88.83°

269.27° 7705.16'

1284.38'

9204'

89.94°

269.11° 7706.17'

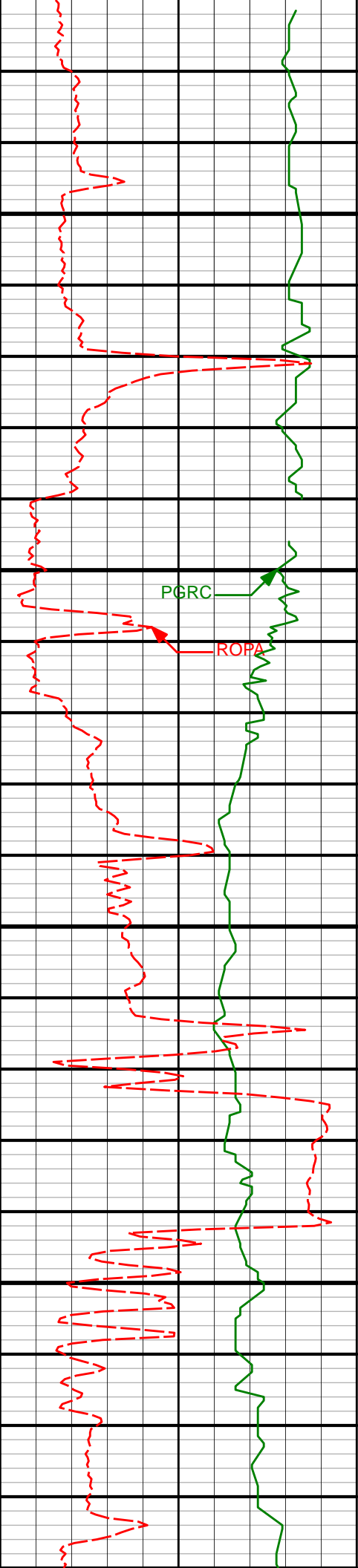
1378.35'

9299'

88.80°

270.05° 7707.21'

1473.34'



9350

9394'

89.51°

269.74° 7708.62'

1568.33'

9400

PGRC

ROPA

9450

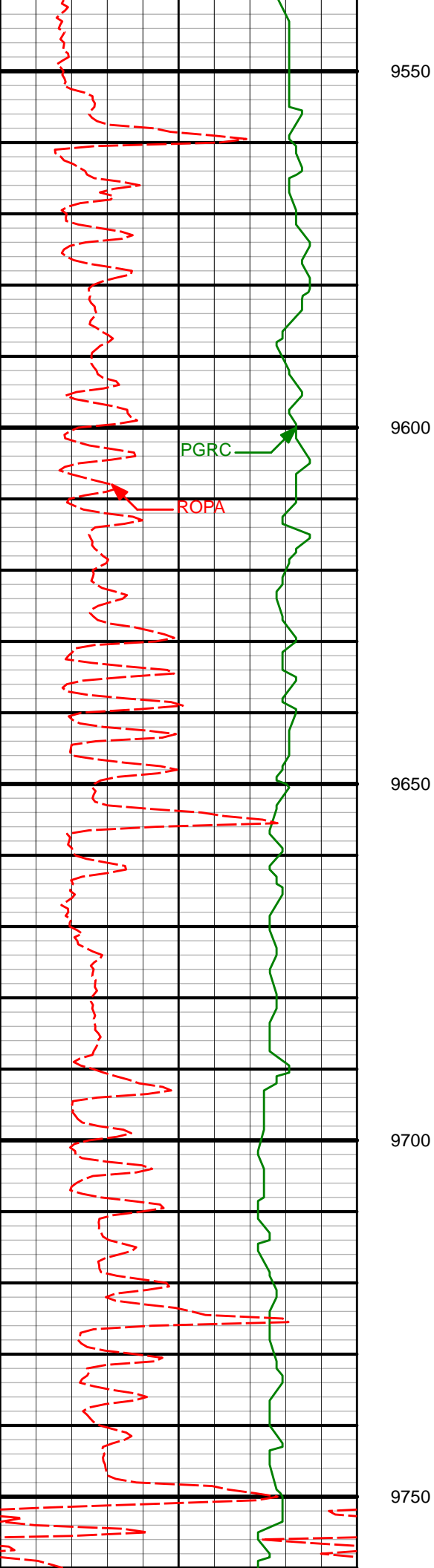
9489'

88.18°

270.36° 7710.53'

1663.30'

9500



9584'

88.24°

270.50° 7713.49'

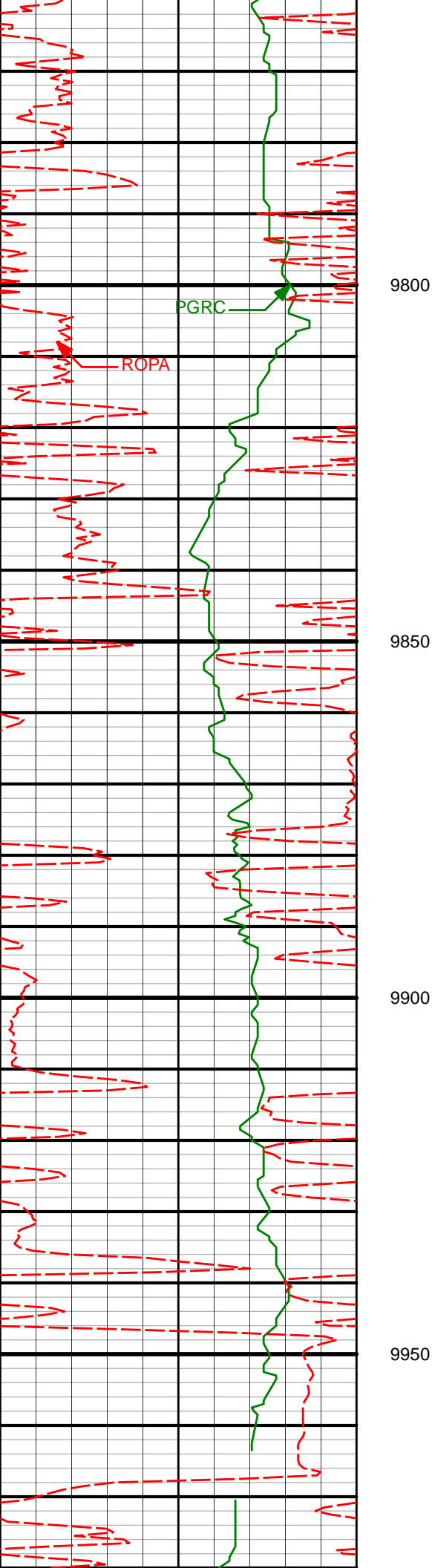
1758.26'

9678'

89.05°

270.72° 7715.71'

1852.23'



9773' 89.88° 270.92° 7716.60' 1947.22'

9800

PGRC

ROPA

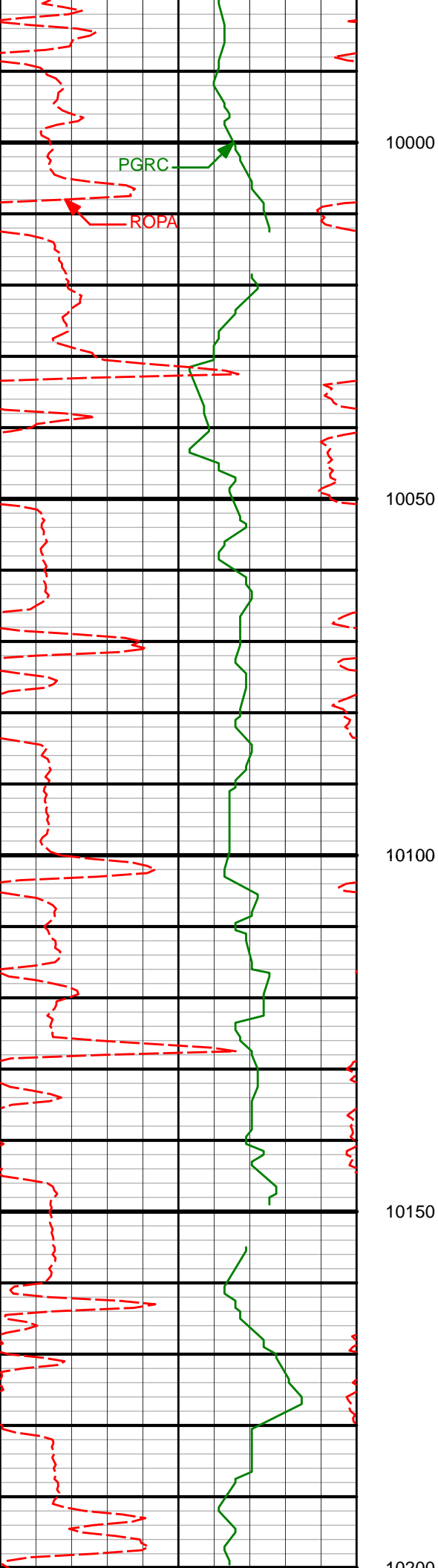
9850

9868' 90.58° 271.11° 7716.22' 2042.21'

9900

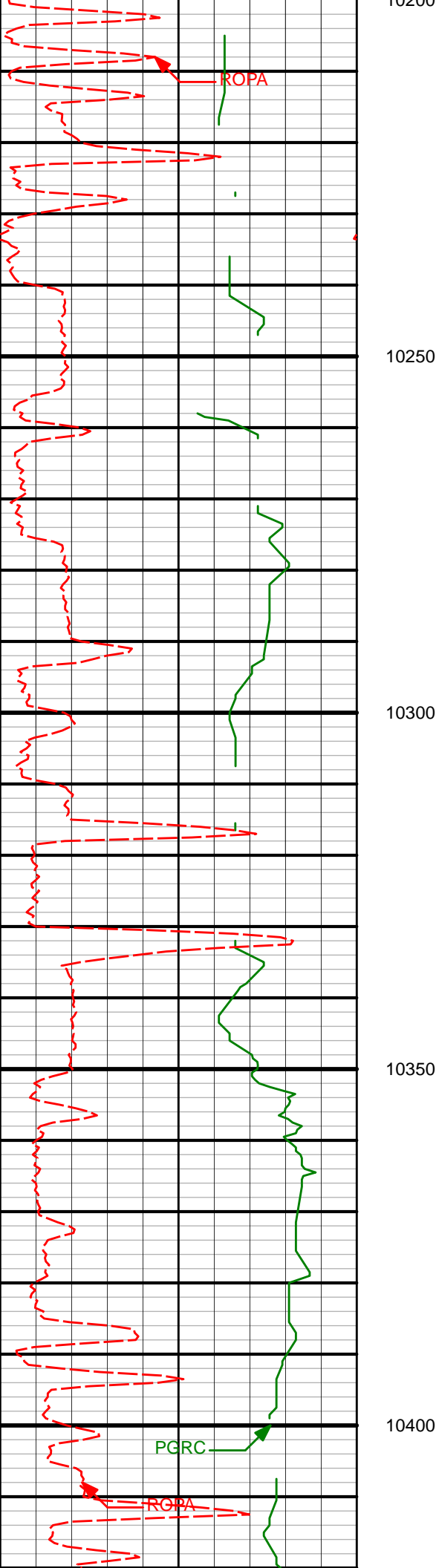
9950

9963' 88.83° 271.83° 7716.71' 2137.18'



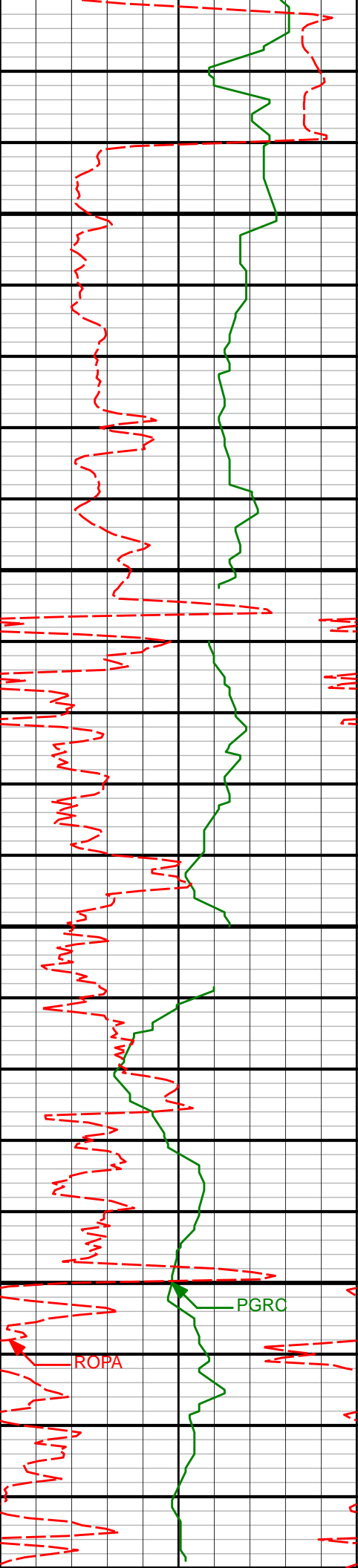
10057'	88.71°	271.56°	7718.73'	2231.13'
10152'	89.54°	271.55°	7720.18'	2326.09'





10247'      90.03°      271.64° 7720.54'      2421.06'

10342'      90.68°      271.72° 7719.95'      2516.03'



10435' 89.17° 271.32° 7720.08' 2609.01'

10450

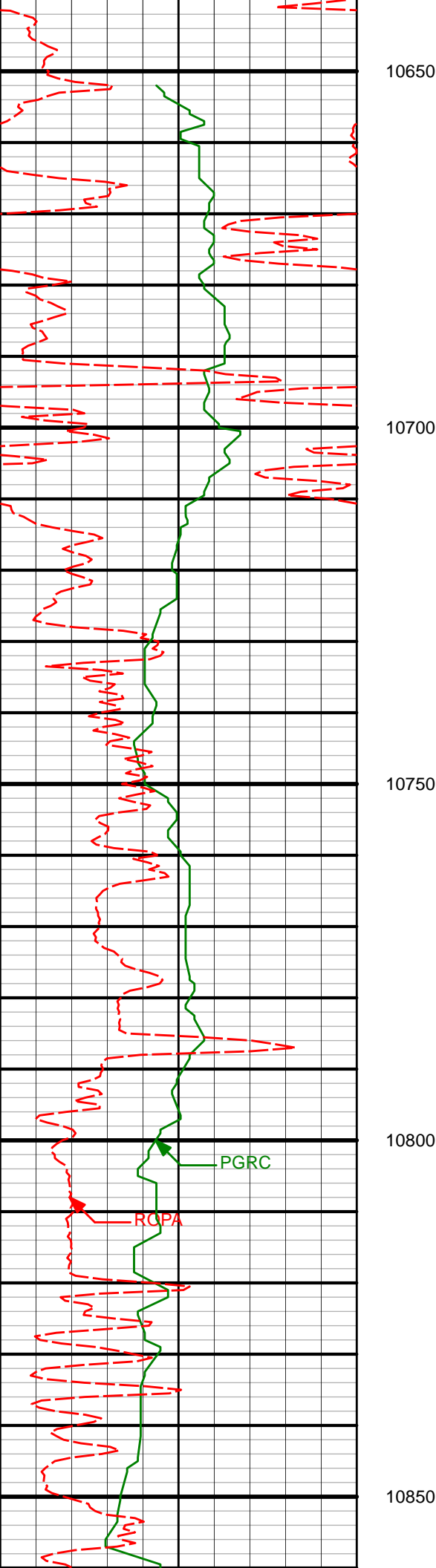
10500

10528' 88.68° 270.61° 7721.82' 2701.98'

10550

10600

10622' 88.71° 270.60° 7723.96' 2795.96'

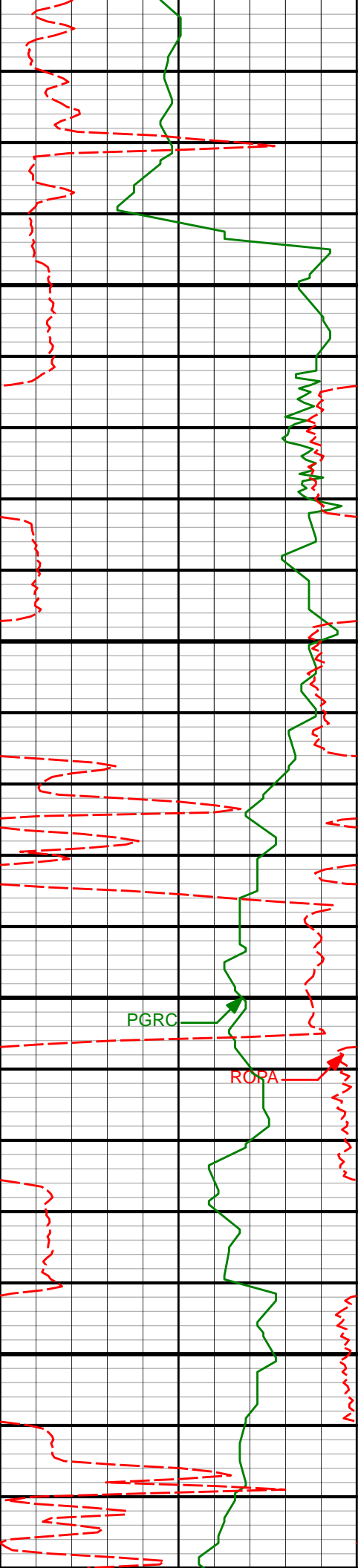


10715'      89.01°      270.58° 7725.81'      2888.94'

10808'      89.48°      270.43° 7727.04'      2981.93'

PGRC

ROPA



10900

10902'

89.91°

270.37° 7727.54'

3075.93'

10950

11000

10995'

88.21°

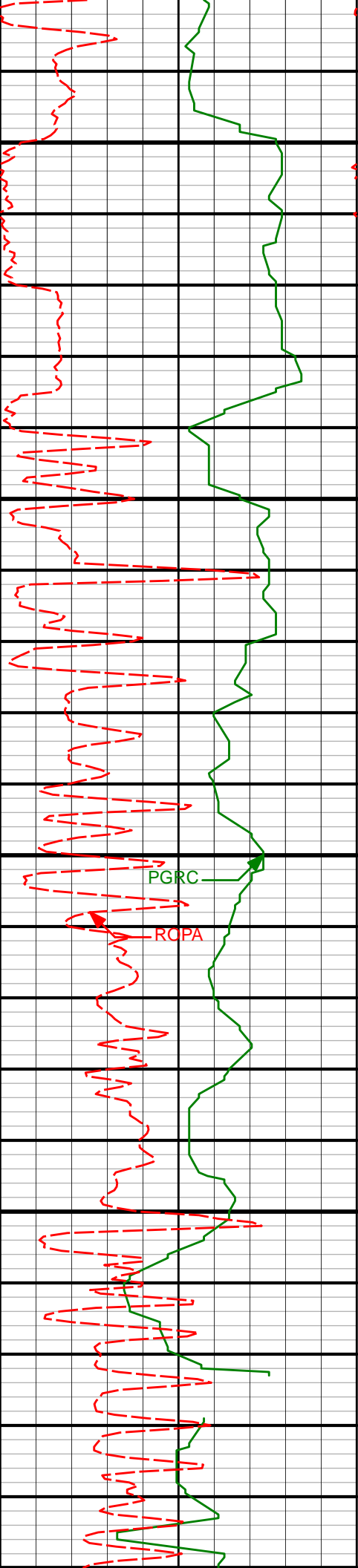
270.82° 7729.06'

3168.91'

11050

PGRC

ROPA



11088'

87.78°

270.58° 7732.31'

3261.85'

11100

11150

11182'

88.28°

270.40° 7735.55'

3355.79'

11200

PGRC

RCPA

11250

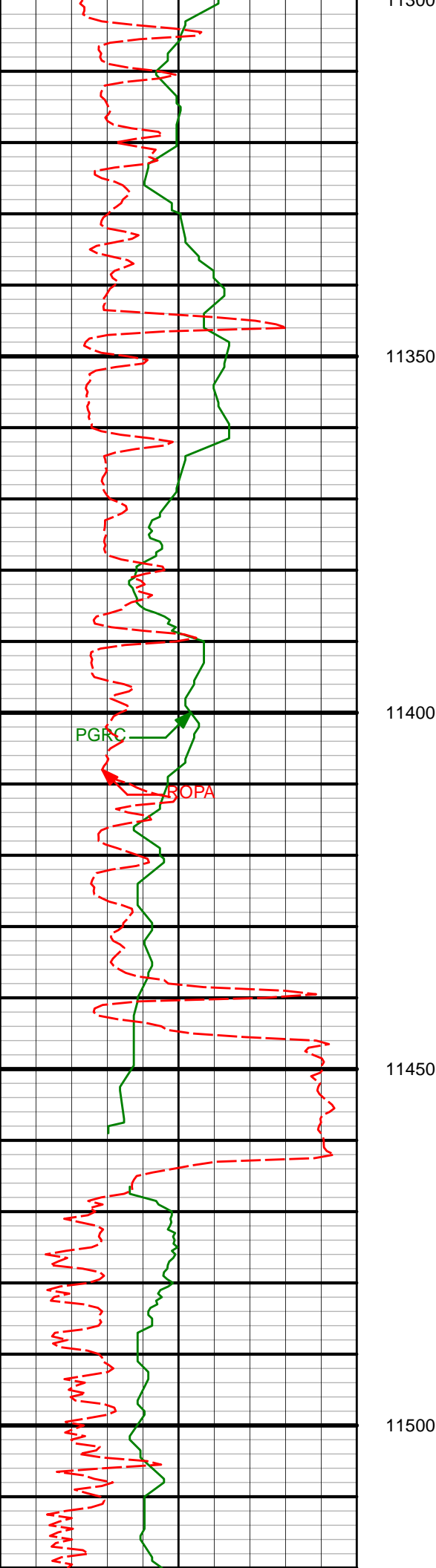
11275'

88.00°

270.10° 7738.57'

3448.74'

11300



11368'

87.72°

269.72° 7742.04'

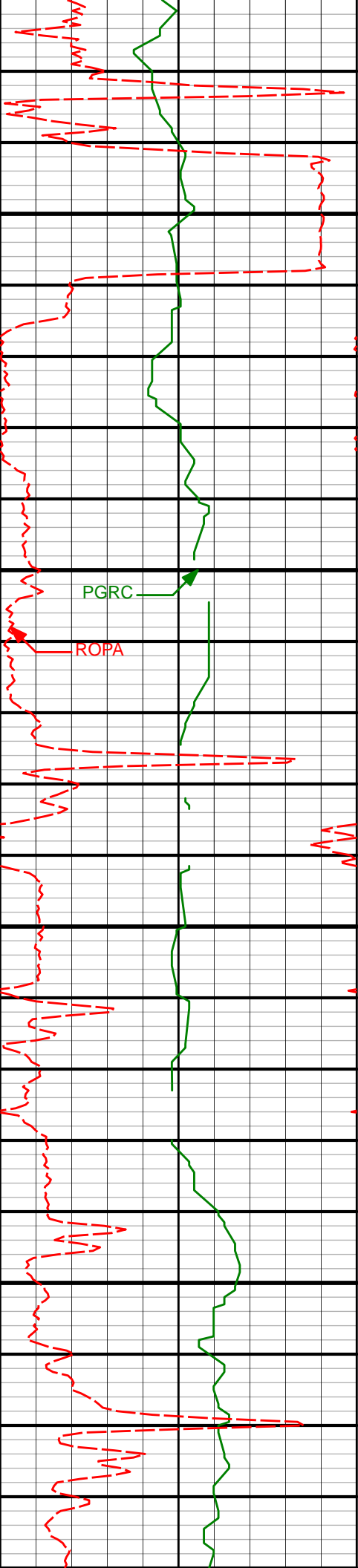
3541.67'

11462'

88.65°

269.91° 7745.02'

3635.62'



11550

11555'

89.75°

271.07° 7746.31'

3728.61'

11600

PGRC

ROPA

11650

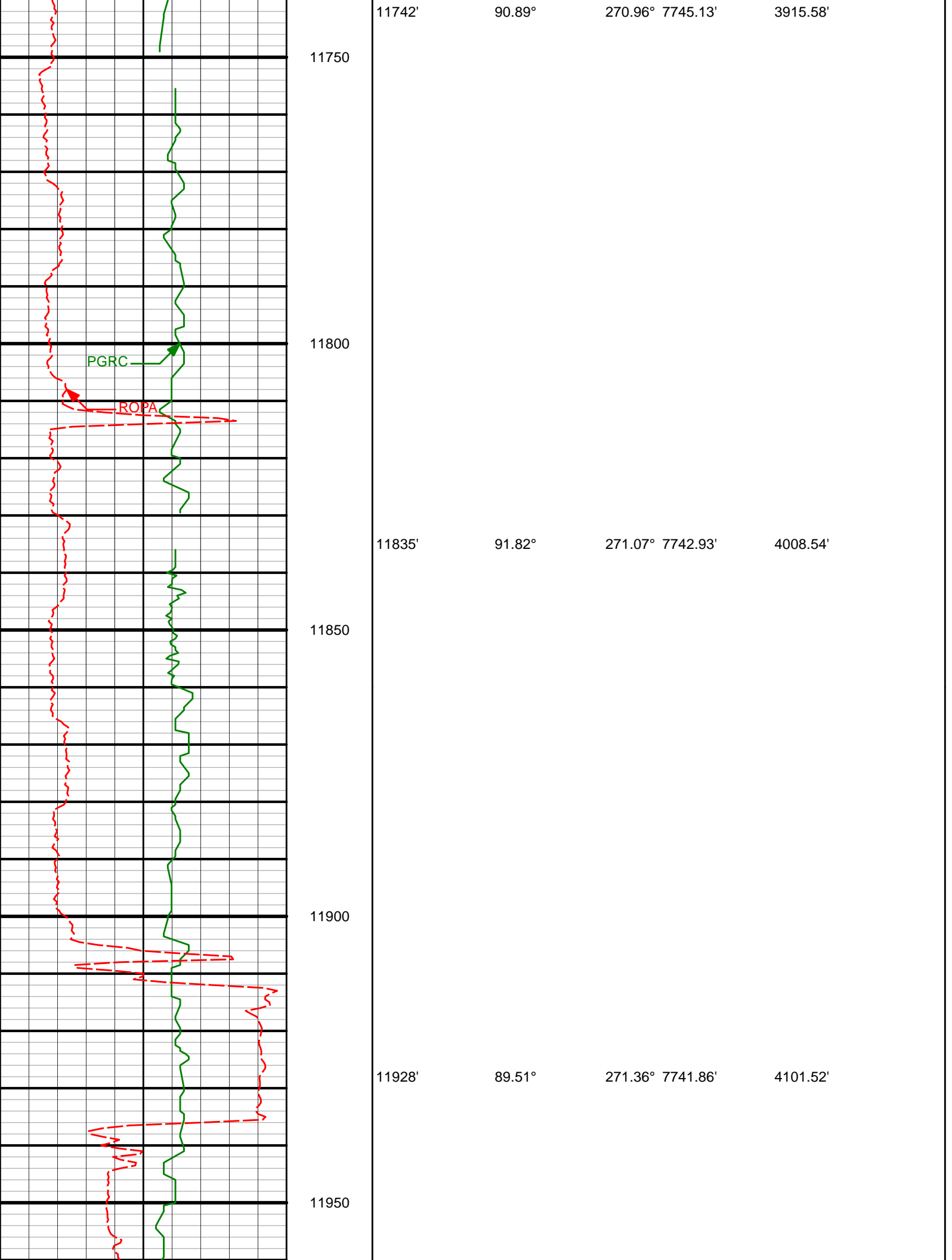
11648'

90.40°

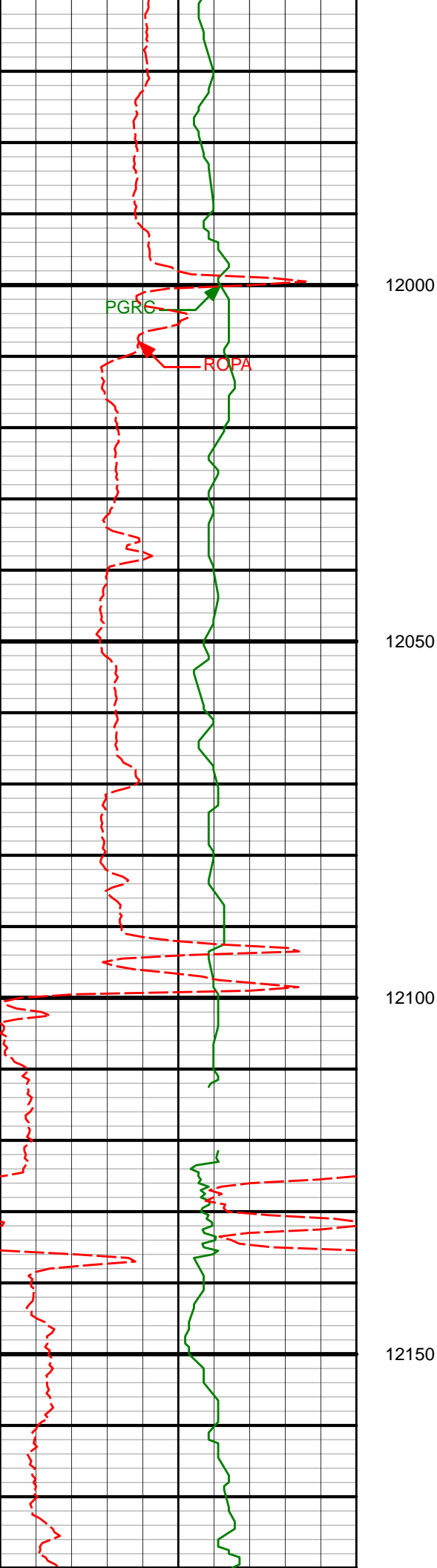
271.30° 7746.19'

3821.60'

11700







12022'

89.69°

271.46° 7742.51'

4195.50'

12115'

90.49°

270.49° 7742.36'

4288.49'



12200

12208'

89.41°

269.28° 7742.44'

4381.48'

12250

12300

12302'

89.78°

268.73° 7743.10'

4475.46'

12350

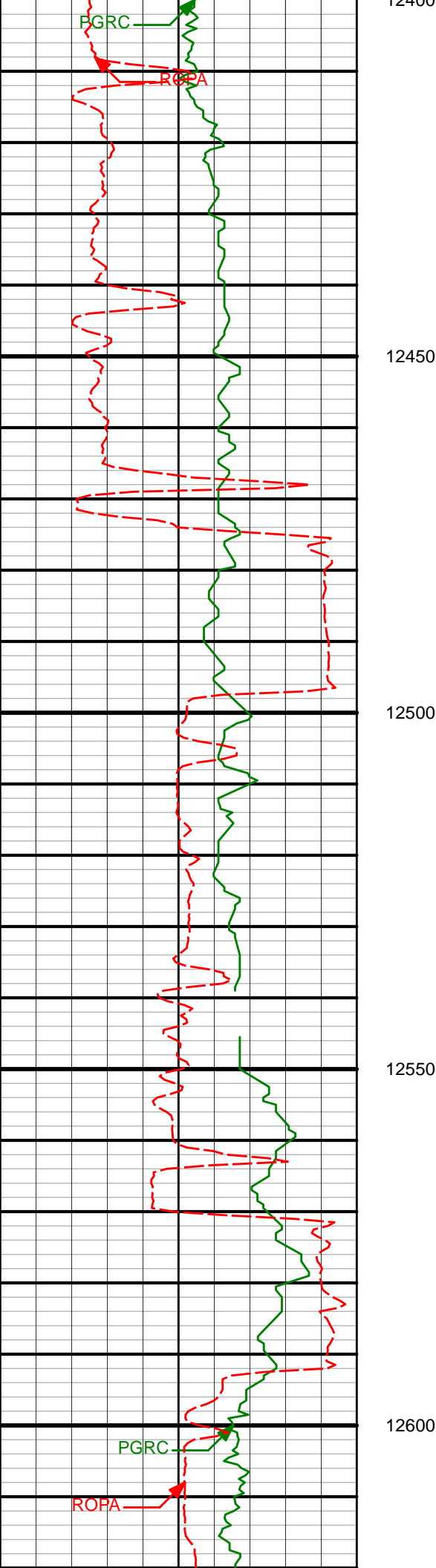
12396'

90.55°

267.91° 7742.82'

4569.40'

12400



12491'

90.03°

268.80° 7742.34'

4664.35'

12586'

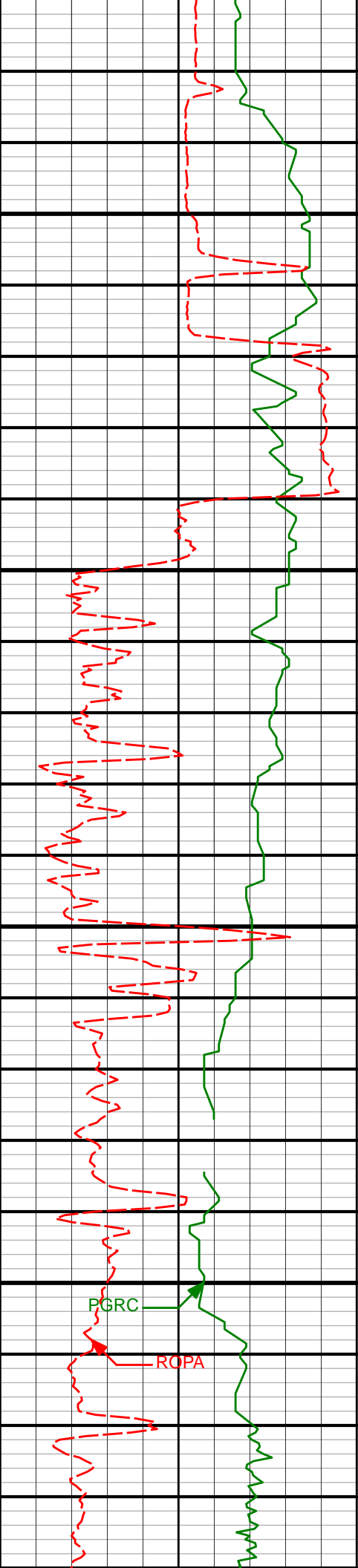
90.15°

270.33° 7742.18'

4759.34'

PGRC

ROPA



12650

12681'

88.86°

272.35° 7743.00'

4854.31'

12700

12750

12775'

89.20°

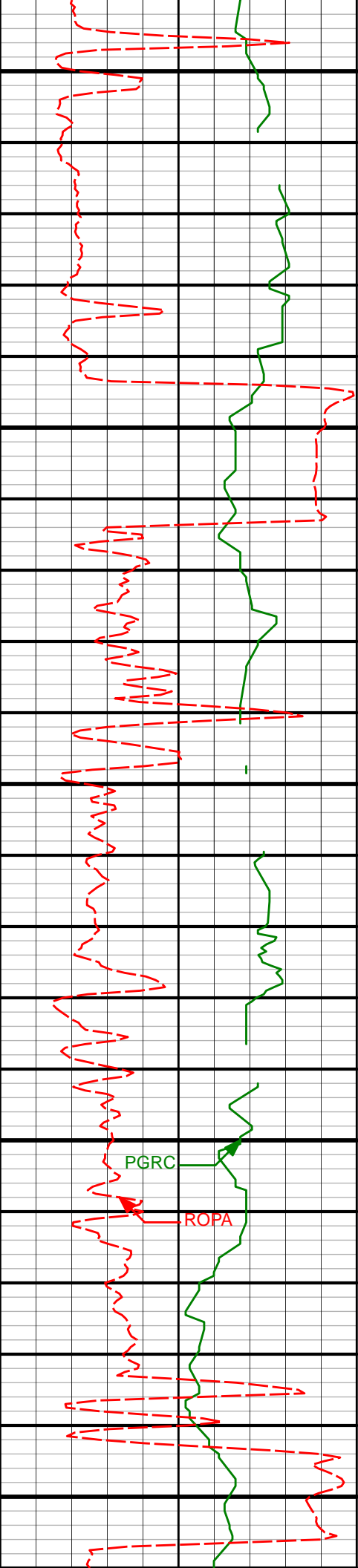
273.25° 7744.59'

4948.20'

12800

PGRC

ROPA



12850

12870'

89.72°

273.23° 7745.49'

5043.07'

12900

12950

12965'

88.31°

270.19° 7747.12'

5138.01'

13000

PGRC

ROPA

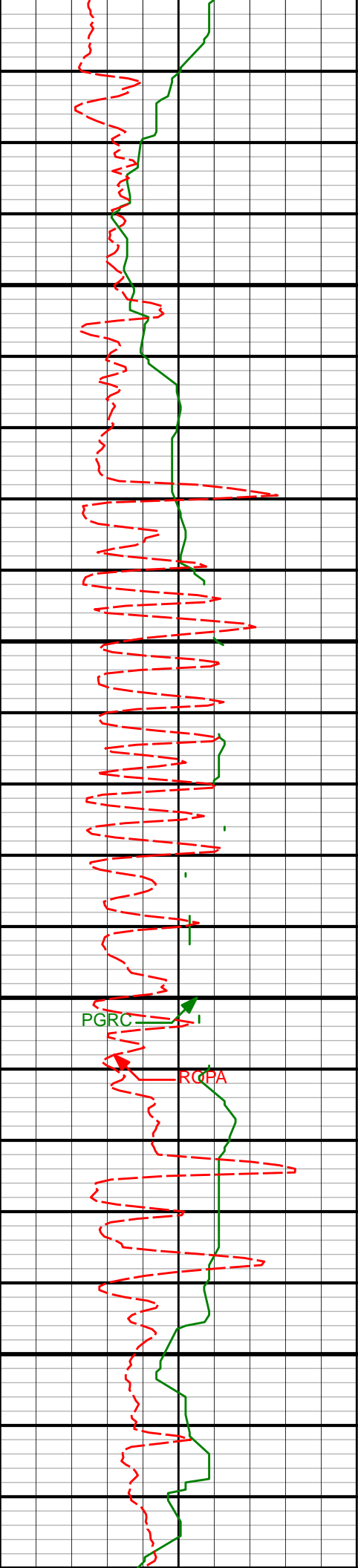
13050

13060'

89.05°

270.23° 7749.31'

5232.99'



13100

13150

13200

13250

PGRC

RCFA

13154'

90.12°

270.21° 7750.00'

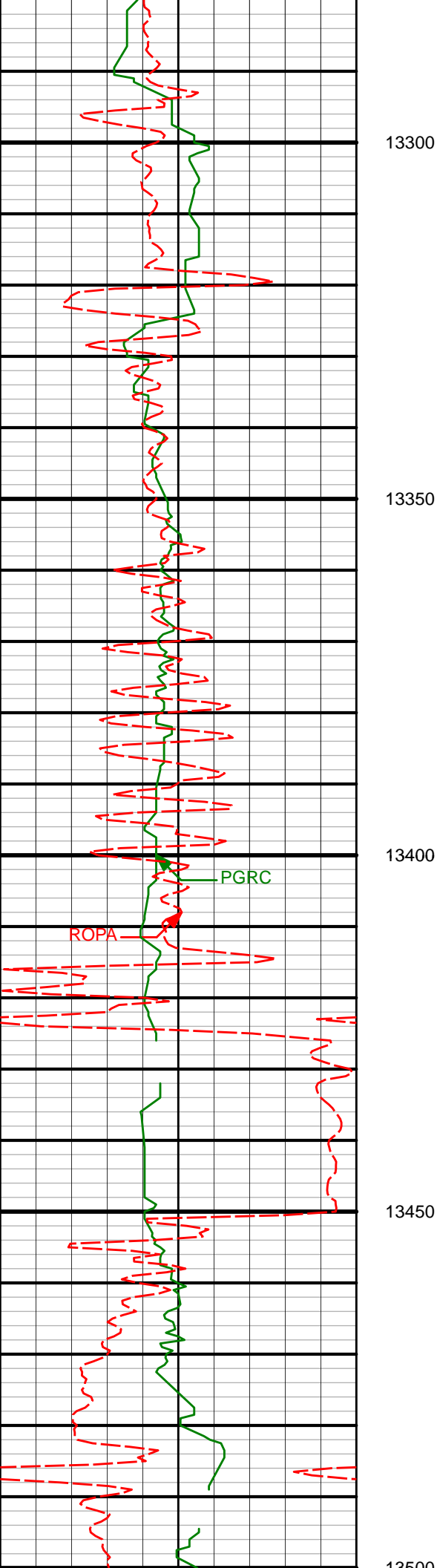
5326.98'

13249'

91.08°

269.94° 7749.01'

5421.97'



13344'

91.91°

269.69° 7746.53'

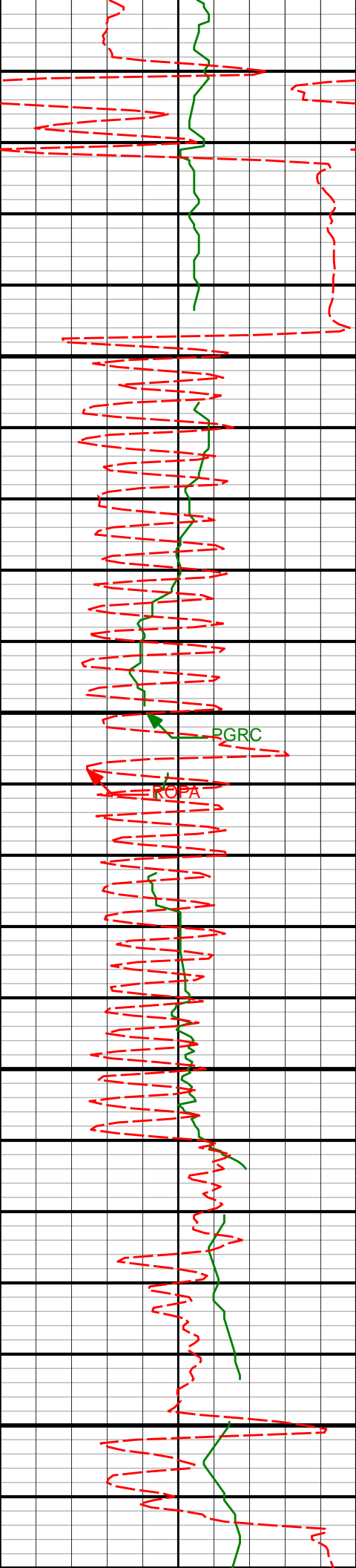
5516.94'

13439'

91.69°

270.06° 7743.55'

5611.89'



13550

13600

13650

13700

13534'

90.22°

271.66° 7741.97'

5706.87'

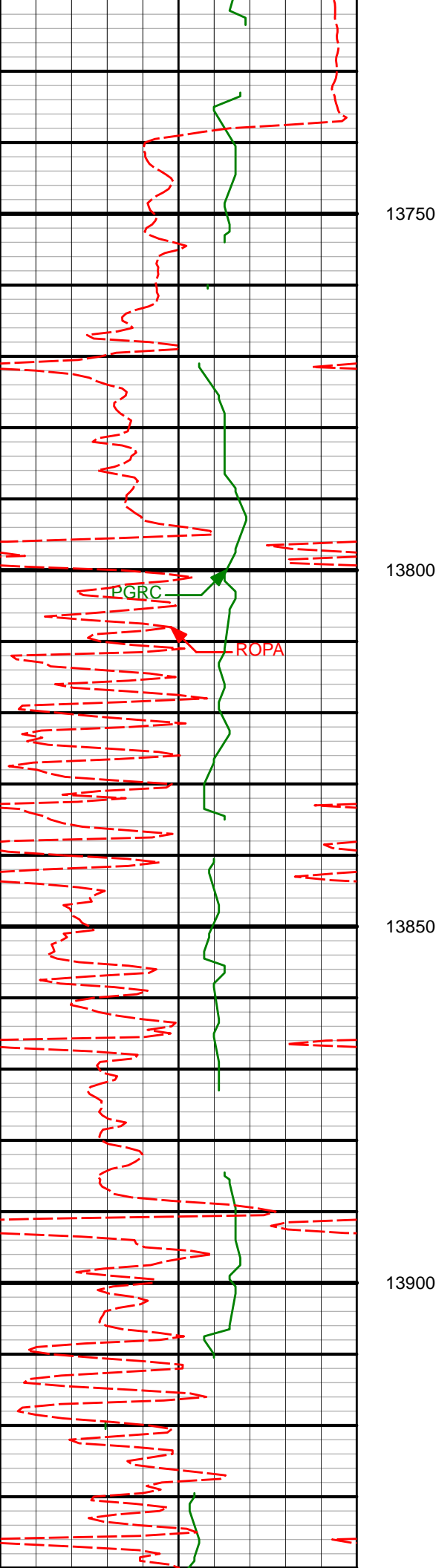
13628'

89.94°

271.60° 7741.84'

5800.84'





13723' 88.40° 271.24° 7743.22' 5895.80'

13750

13800

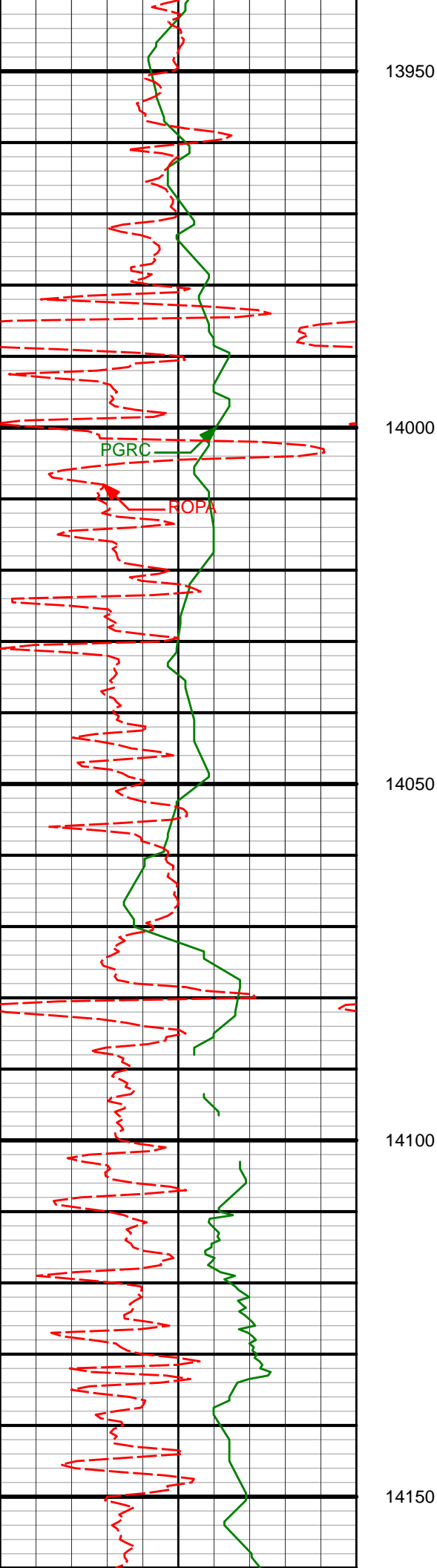
PGRC  
ROPA

13818' 87.60° 270.43° 7746.54' 5990.74'

13850

13900

13913' 88.71° 270.21° 7749.60' 6085.69'



14008'

89.82°

269.89° 7750.82'

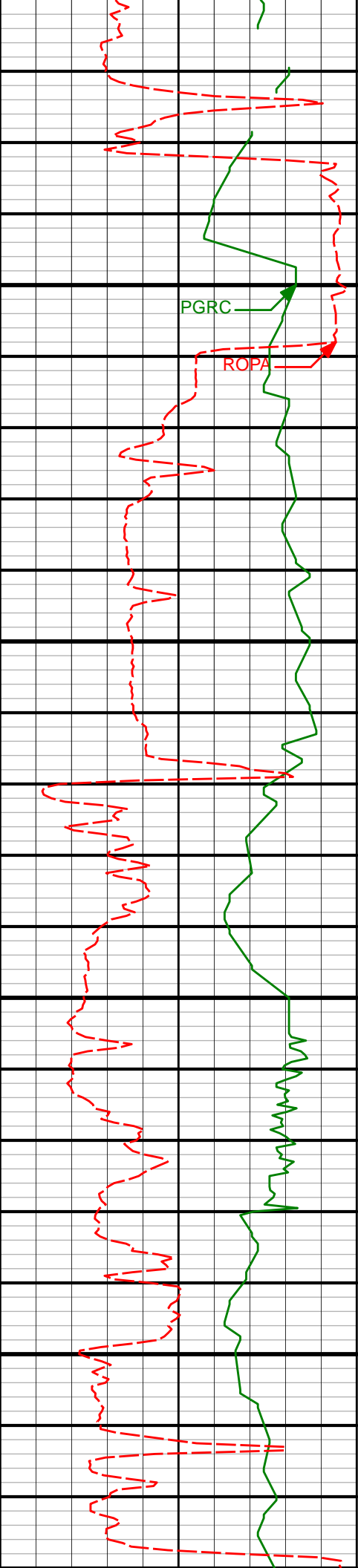
6180.68'

14103'

91.26°

269.63° 7749.92'

6275.67'



14200

14250

14300

14350

14198'

14292'

90.09°

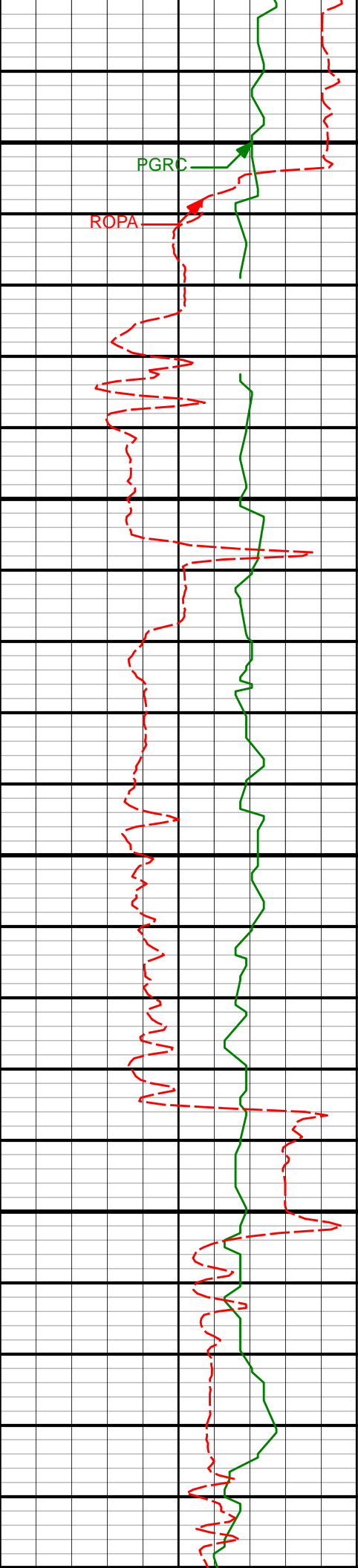
90.59°

270.20° 7748.80'

270.18° 7748.25'

6370.66'

6464.66'



14400

14450

14500

14550

14600

14387'

89.38°

271.21° 7748.27'

6559.65'

14482'

88.64°

271.30° 7749.90'

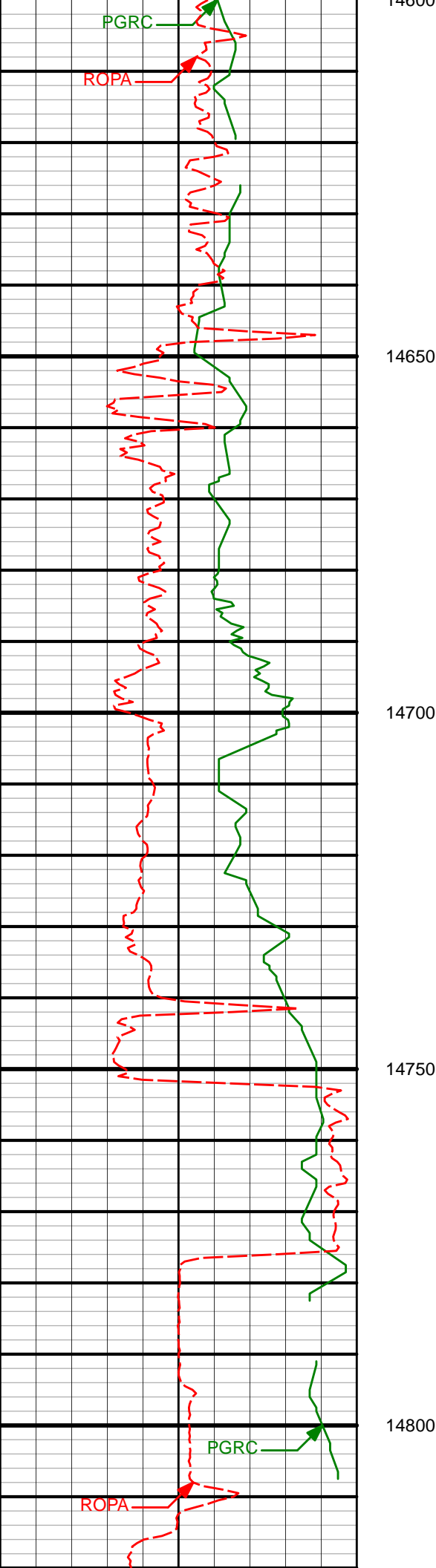
6654.62'

14577'

89.63°

271.43° 7751.33'

6749.59'



14672'

90.80°

271.38° 7750.98'

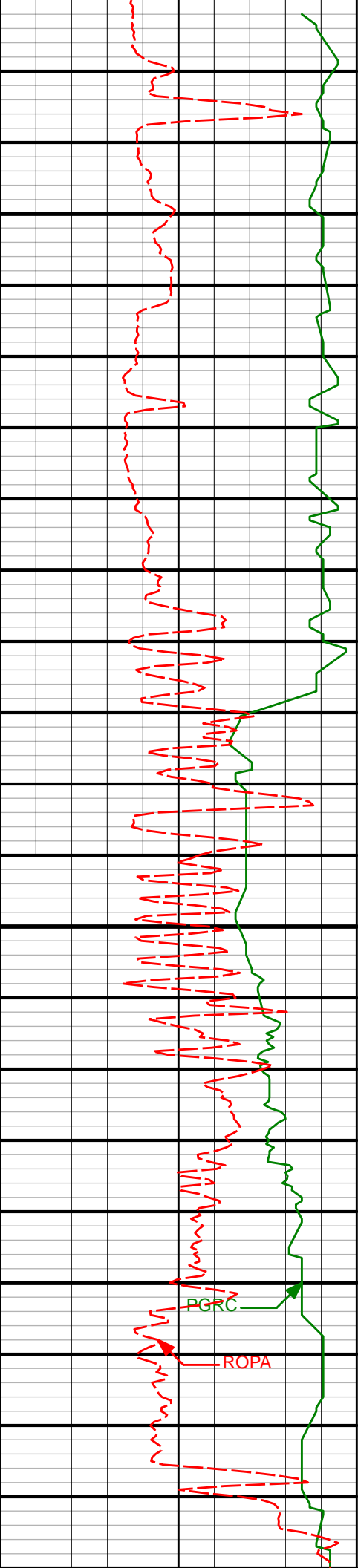
6844.57'

14767'

89.75°

270.92° 7750.52'

6939.56'



14850

14862'

89.60°

270.29° 7751.05'

7034.55'

14900

14950

14956'

90.74°

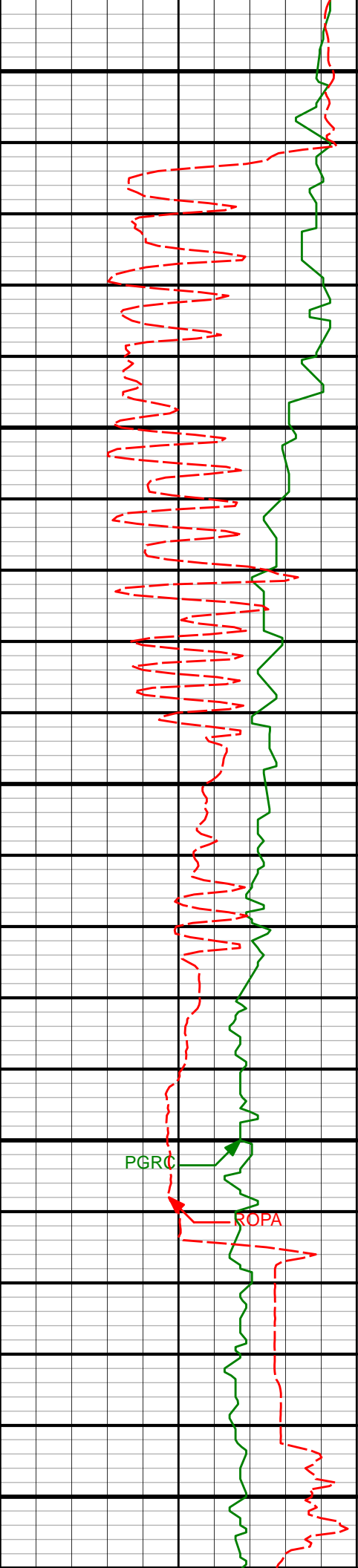
270.10° 7750.78'

7128.55'

15000

PGRC

ROPA



15050

15051'

89.57°

270.96° 7750.52'

7223.55'

15100

15150

15146'

88.95°

271.32° 7751.75'

7318.53'

15200

PGRC

ROPA

15241'

89.63°

271.24° 7752.92'

7413.50'

15250



15300

15350

15400

15450

15336'

15430'

90.15°

91.29°

270.83° 7753.10'

270.52° 7751.91'

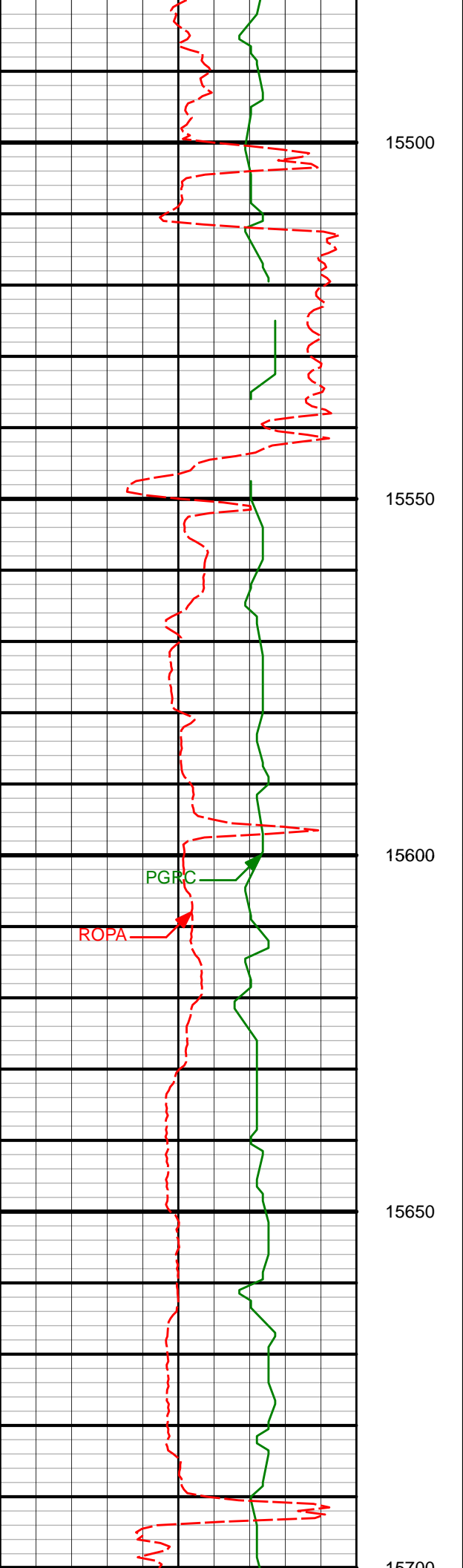
7508.49'

7602.48'

PGRC

ROPA





15525' 89.20° 270.14° 7751.50' 7697.47'

15620' 89.17° 270.62° 7752.86' 7792.46'





15950

16000

16050

16100

PGRC

ROPA

15999'

89.82°

270.79° 7753.65'

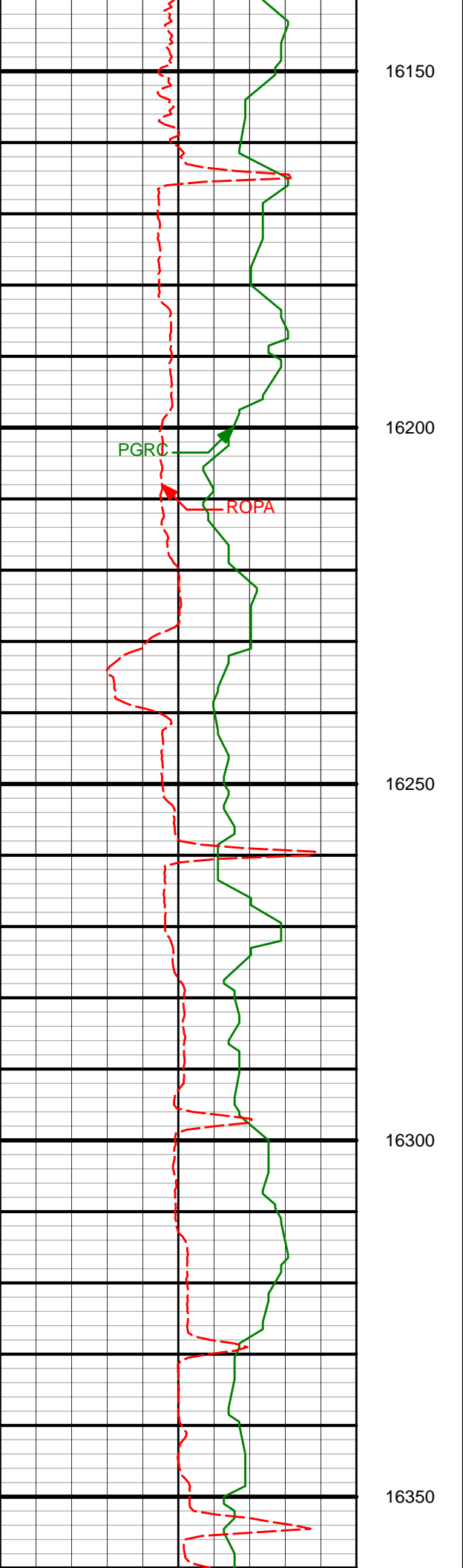
8171.45'

16094'

89.88°

270.93° 7753.91'

8266.44'



16189' 90.22° 270.49° 7753.83' 8361.44'

16284' 90.31° 270.16° 7753.39' 8456.44'



16379'

90.86°

270.11° 7752.42'

8551.43'

16400

PGRC

ROPA

16450

16474'

90.03°

270.04° 7751.68'

8646.43'

16500

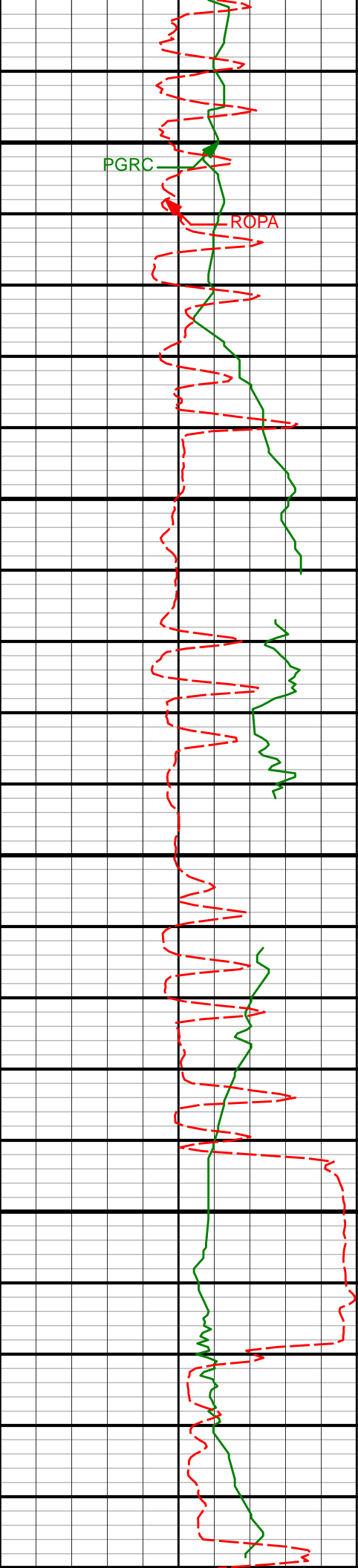
16550

16568'

90.09°

270.25° 7751.58'

8740.43'



16600

16650

16700

16750

16800

16663'

90.77°

269.97° 7750.87'

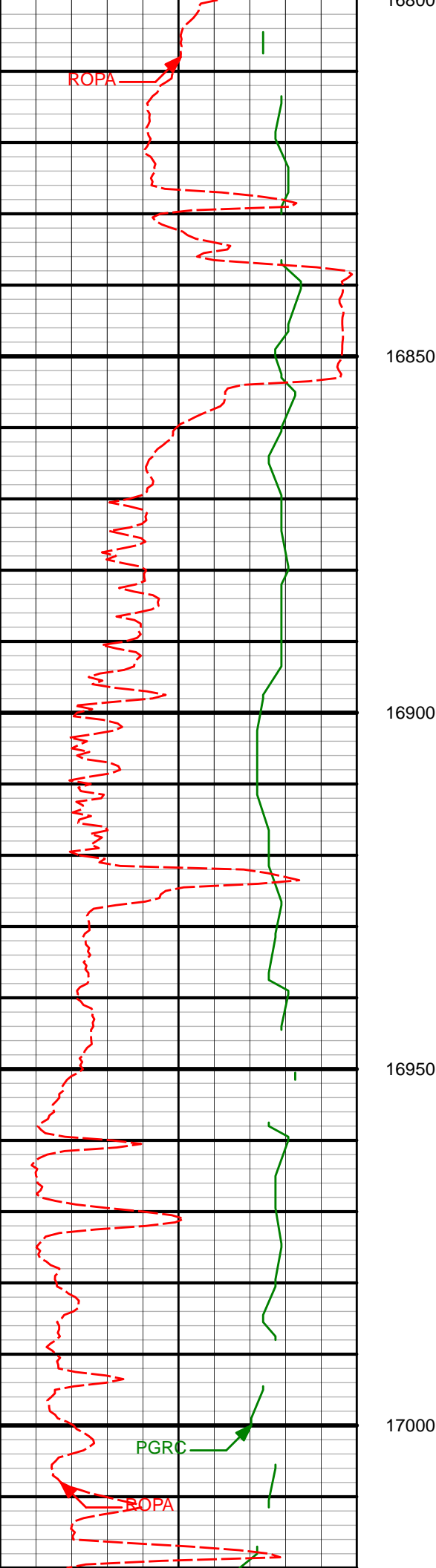
8835.42'

16758'

89.88°

270.53° 7750.33'

8930.42'



16853'

87.88°

271.40° 7752.19'

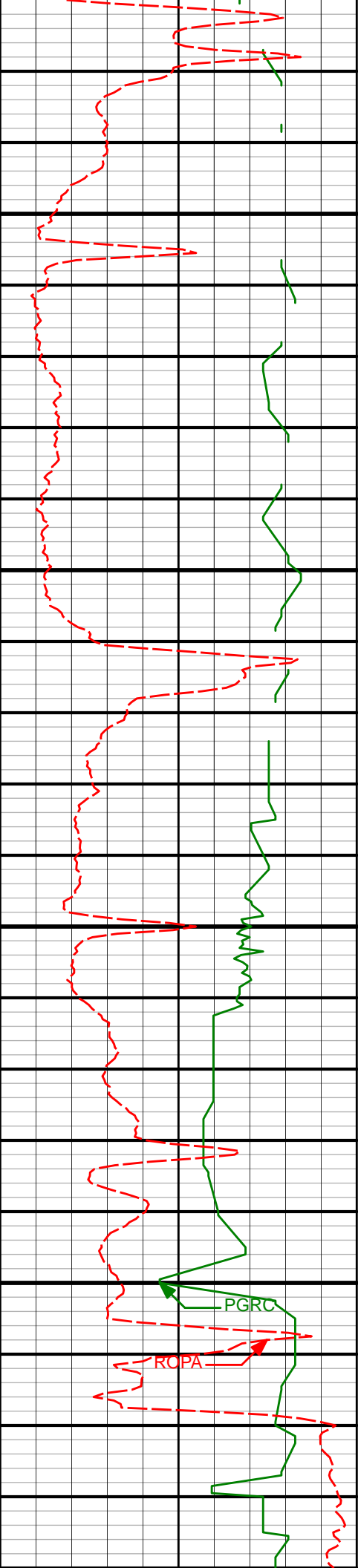
9025.39'

16948'

88.58°

271.21° 7755.12'

9120.33'



17050

17100

17150

17200

17043'

89.20°

270.88° 7756.96'

9215.30'

17138'

90.03°

270.74° 7757.60'

9310.29'

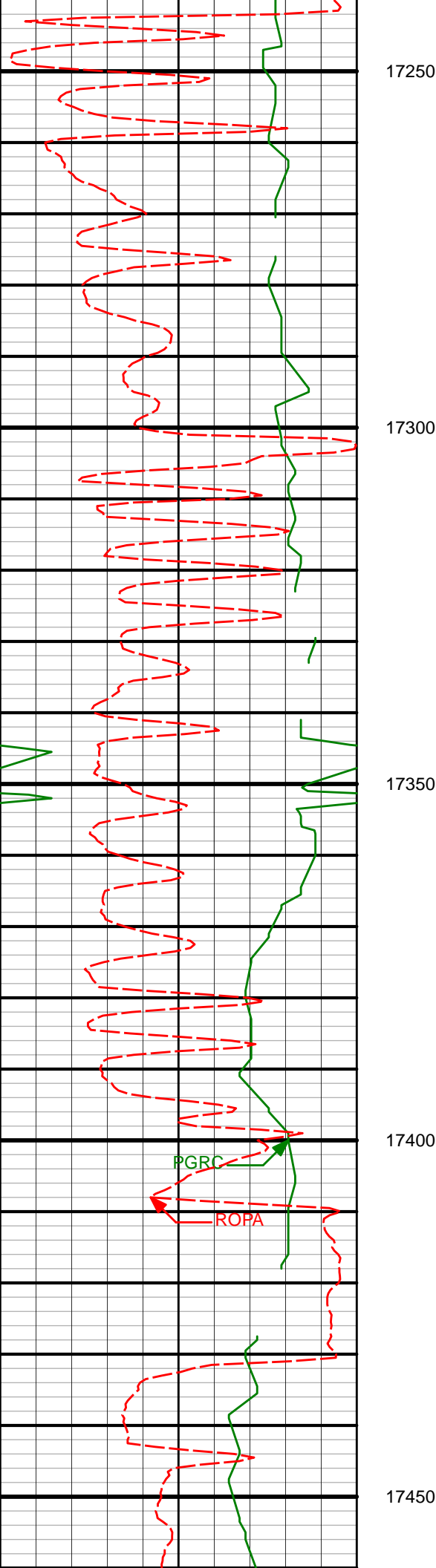
17233'

89.23°

271.74° 7758.21'

9405.27'





17327'

89.42°

272.25° 7759.32'

9499.22'

17422'

89.14°

270.29° 7760.52'

9594.20'



17500

17550

17600

17650

17517'

89.60°

269.82° 7761.57'

9689.19'

17612'

90.86°

269.75° 7761.19'

9784.18'

PGRC

ROPA



17700

17707'

92.40°

269.82° 7758.48'

9879.14'

17726'

92.59°

269.73° 7757.66'

9898.12'

17750

17796'

92.59°

269.73° 7754.50'

9968.05'

17800

17850

17900

<div>Avg Rate of Penetration (ROPA) feet per hr</div> <div>500-----0</div>	<div>Depth</div> <div>1 : 240</div>	<div>Depth</div> <div>Inc</div> <div>Azi</div>	<div>TVD</div> <div>VS</div> <div>Temp</div>
<div>PCG Gamma Ray BCorr (PGRC) api</div> <div>0-----200</div>			