Correct. Starting with r = 0.054 and m = 6, you can find out when:

$$2P = P\left(1 + \frac{0.054}{6}\right)^{6t}$$
 or $2P = P(1.009)^{6t}$ or $2 = (1.009)^{6t}$

Take logarithms of both sides: $\ln 2 = \ln (1.009)^{6t}$

Use the power property of logarithms to simplify: $\ln 2 = 6t \cdot \ln (1.009)$

Solve for *t* and use a calculator to evaluate: $t = \frac{\ln 2}{6 \cdot \ln (1.009)} \approx 13$ years