$\mathbf{F}(x,y,z) = x\,\mathbf{i} + y\,\mathbf{j} + z^4\,\mathbf{k}$, $z = g(x,y) = \sqrt{x^2+y^2}$, and D is the disk $\{(x,y) \mid x^2+y^2 \le 1\}$. Since S has downward orientation, we have

$$\begin{aligned}
\iint_S \mathbf{F}\cdot d\mathbf{S} &= -\iint_D \left[-x\left(\frac{x}{\sqrt{x^2+y^2}}\right) - y\left(\frac{y}{\sqrt{x^2+y^2}}\right) + z^4\right] dA \\
&= -\iint_D \left[\frac{-x^2-y^2}{\sqrt{x^2+y^2}} + \left(\sqrt{x^2+y^2}\right)^4\right] dA \\
&= -\int_0^{2\pi}\int_0^1 \left(\frac{-r^2}{r} + r^4\right) r\,dr\,d\theta = -\int_0^{2\pi} d\theta \int_0^1 (r^5 - r^2)\,dr \\
&= -2\pi\left(\tfrac{1}{6} - \tfrac{1}{3}\right) = \tfrac{1}{3}\pi
\end{aligned}$$