Incorrect. Find and add the volumes of the cylinder and the hemisphere.

The volume of a cylinder is given by  $V = \pi r^2 h$  and the volume of a hemisphere is given by  $\frac{1}{2} \cdot \frac{4}{3} \pi r^3$ . Substitute the values r = 20 and h = 50 into the formulas, simplify, and add. Then round to the nearest thousand. The correct answer is 80,000 cubic feet.