$$
\begin{aligned}
-ik(c-U)\frac{|q'|^2}{dQ/dy} &= -v'\left(-ikv'^* - \frac{du'^*}{dy}\right) \\
&= ik|v'|^2 + \frac{d}{dy}(v'u'^*) - u'^*\frac{dv'}{dy} \\
&= ik|v'|^2 + ik|u'|^2 + \frac{d}{dy}(v'u'^*)
\end{aligned}
$$