Measurement of inclusive jet yields in polarized $p + p$ collisions at $\sqrt{s} = 200$ GeV. MICHAEL MILLER, MIT, STAR COLLABORATION — At RHIC, the STAR detector is uniquely capable of full jet reconstruction in $p + p$ collisions. The calibration of the jet energy scale and transverse energy resolution are critical to many physics analyses including, but not limited to, extraction of the gluon polarization ($\Delta G$) via measurement of jet production in polarized $p + p$ collisions (see J. Kiryluk, this meeting). Measurement of unpolarized jet cross sections at RHIC may provide significant additional constraints to previously measured large-$x$ parton distributions. We present preliminary measurements of inclusive jet yields in the transverse energy region $5 < E_T < 25$ GeV from $\sim 1$ pb$^{-1}$ of data at $\sqrt{s}=200$ GeV. Final state hadron energies were measured using charged particle tracking in the time projection chamber and energy deposition in the electromagnetic calorimeter. Hadrons were clustered using both the $k_T$ and midpoint-cone algorithms. The data were corrected for detector inefficiency and resolution using PYTHIA events processed through a full GEANT simulation. The measured jet yields are compared to simulation and NLO pQCD calculations. These measurements pave the way for ongoing analyses of the higher statistics ($\sim 5$-10 pb$^{-1}$) data sample from the 2005 RHIC run.