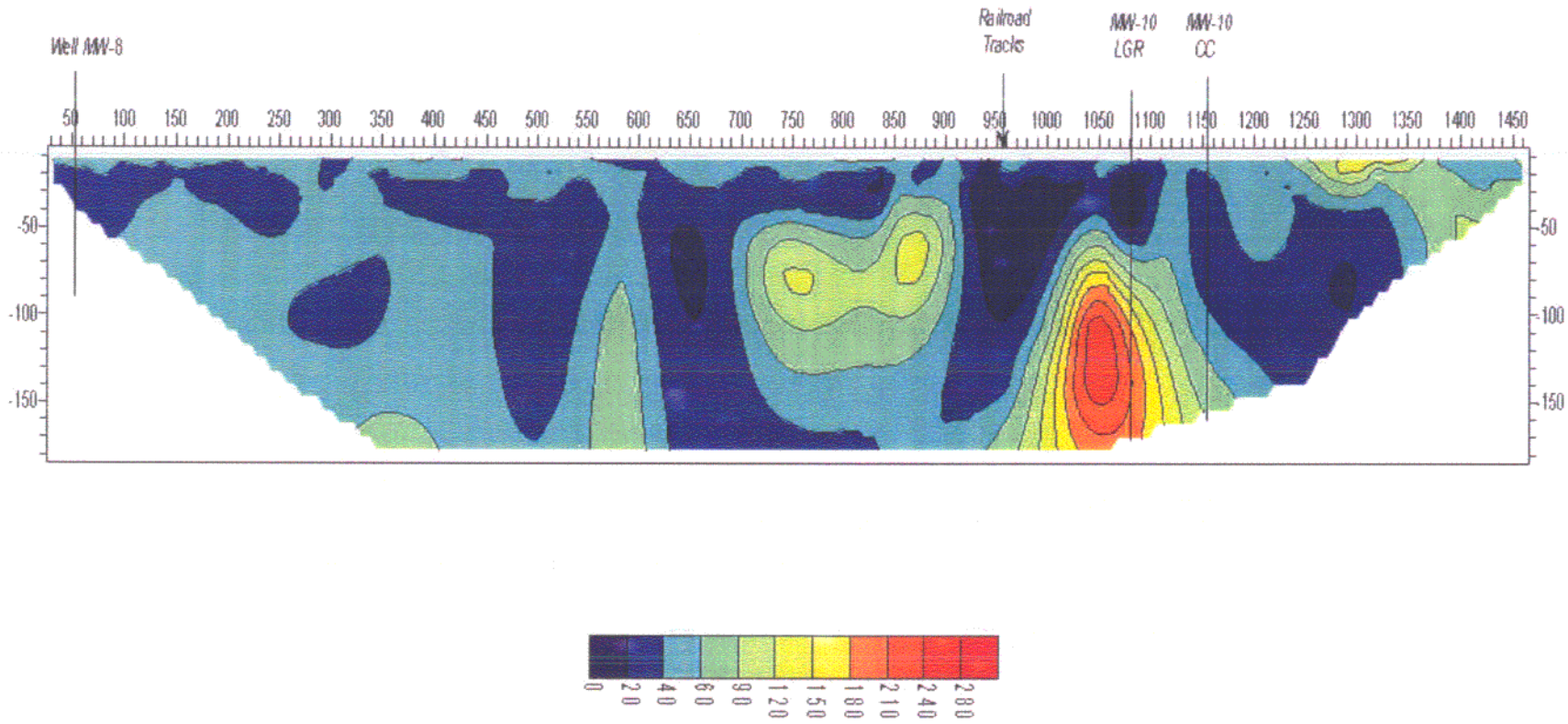SOUTHWEST QUADRANT RESISTIVITY PROFILE