Mobil Producing Texas and New Mexico Inc. Humphrey Queen Unit, Well #31 Langlie-Mattix Pool Lea County, New Mexico The geological data is provided below. Lithologic Detail Composition - sand, VF-F grained silty, some laminations, calcareous, moderately well consolidated dolomite, tan pinpoint and fracture porosity, fractures, slightly anhydritic Type Structure - east, northeast dipping monocline Average porosity - 13% Average permeability - 2nd Geological Name Queen (Permian) Thickness Average effective pay - 35' Depth Average depth to top of pay - 3400' Overlying fresh water zone (aquifers containing concentrations of 10,000 mg/1 or less). The geological name is Ogallala at a depth of ±200' and there are no fresh waters immediately underlying the injection zone.