

Figure 1. Present-day structural cross-section showing log-based lithostratigraphic correlation of the San Andres reservoir interval in Vacuum field. The reservoir was originally subdivided into 4 major lithologic units: 1) the porous "lower San Andres" carbonates (LSA), 2) the Lovington sandstone (LVSS), 3) the porous "upper San Andres" carbonates (USA), and 4) one or more other sandstones in the upper San andres (SASS). The "lower San Andres" was recognized as being the best and most continuous reservoir.

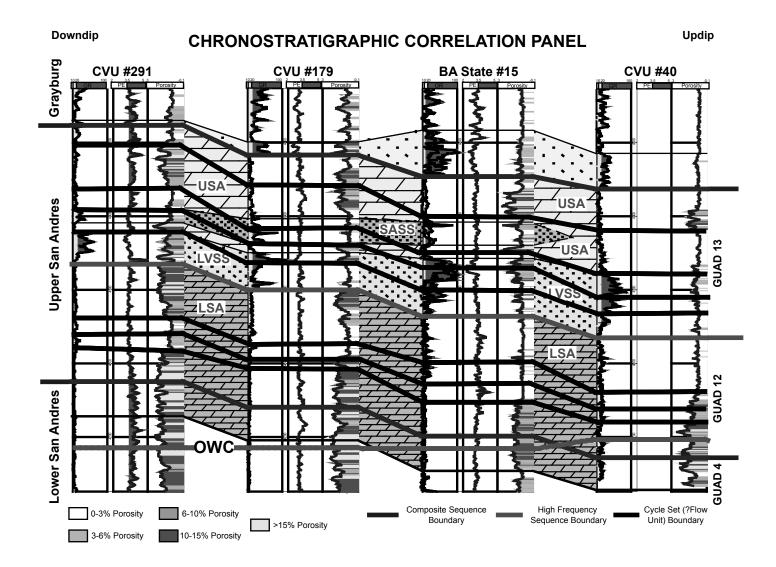


Figure 2. Present-day structural cross-section showing chronostratigraphic correlation of the same San Andres interval shown in Figure 1. Note that chronostratigraphic boundaries cross-cut the lithostratigraphic boundaries.