



Subject: Federal "A" 13 No 2 and Federal "A" No 5
Bough San Andres Field
Sec 13, 19S, 35E
Lea County, New Mexico

General: The Federal "A" 13 No 2 was completed in the Bough San Andres on August 1, 1986 while the Federal "A" No 5 was completed November 5, 2004. These two wells occupy the same proration unit. Data has been recently gathered that indicates that these two wells are producing from two different stratigraphic units in the San Andres. This data is shown in the table presenting a comparison of physical data taken from each well. As can be noted, significant differences exist in the water taken from each well in the chloride content, the dissolved H₂S, the total solids, the magnesium, the bicarbonates and the free iron contents. The gas samples showed a 477% difference between their individual H₂S gas contents. There is a 8.2% difference between the measured bottom hole pressures. This is significant as close as these two wells are located to each other. Calculation of drainage areas shows that neither well will interfere with its neighbor. It is felt that each well is draining its own stratigraphic unit and is recovering gas that could not otherwise be recovered. Therefore a simultaneous dedication of the 160 acre proration unit is requested.