

ORDER

IT IS HEREBY ORDERED that the following specifications shall be followed for the construction of oil, gas, mineral and test wells in artesian basins.

The water protection casing string (also designated as the second or intermediate string) shall be landed into the formation below all known artesian aquifers. Sufficient cement shall be used to obtain circulation to the surface. If surface casing is used, said casing shall not be removed until after cementing of the water protection string has been completed. When circulation to the surface on the water protection string is not obtained, the operator shall run a temperature survey to insure that the cement has circulated to a point well above all artesian aquifer formations. If the temperature survey shows the top of the cement to be in a shallow water zone, the operator, under the direction of a representative of the United States Geological Survey, New Mexico Oil Conservation Commission or the State Engineer, shall place cement to the surface behind the water protection string or circulate cement to the surface on the oil production casing string. Additives of a pozzolanic nature may be used above the casing shoe, but, shall not exceed 50% by volume. The addition of calcium chloride and/or gel may be required, but shall not in any case exceed 2% each by weight. A sufficient amount of cement without additives shall be used to allow neat cement to seal the casing shoe, and rise a minimum of 50 feet above the shoe between the casing and hole. Cement shall be allowed to set a minimum of 48 hours before drilling is resumed. Sealing off of the formations shall be checked by a method approved by the United States Geological Survey, New Mexico Oil Conservation Commission or the State Engineer's Office.

The oil production string or strings shall be landed and cemented as specified by the United States Geological Survey (Oil and Gas Branch) or the New Mexico Oil Conservation Commission.

The preceding casing, cementing and testing program shall be witnessed by an authorized representative of the United States Geological Survey, New Mexico Oil Conservation Commission or the State Engineer's Office.

WITNESS my hand and official seal this 11th day of September, A. D.,
1956.



S. E. Reynolds
State Engineer