

NEW MEXICO WATER CONFERENCE
April 1 and 2, 1965

THEME OF THE CONFERENCE - "PEOPLE AND WATER IN RIVER BASIN
DEVELOPMENT"

	<u>Page Number</u>
FOREWORD -----	1
PROGRAM -----	3
PAPERS PRESENTED	
<u>New Mexico Water Law as it Relates to the Pecos River Watershed</u> -----	7
C. D. Harris Attorney at Law Roswell, New Mexico	
<u>Water Resources Research in the United States</u> -----	15
Dr. Roland R. Renne, Director Office of Water Resources Research U. S. Department of the Interior Washington, D. C.	
<u>Water in the Economic Development of New Mexico</u> ---	20
The Honorable Jack M. Campbell Governor of New Mexico Santa Fe, New Mexico	
<u>Geographic and Climatic Characteristics of the Pecos River Basin in New Mexico</u> -----	29
Frank E. Houghton State Climatologist U. S. Weather Bureau Albuquerque, New Mexico	
<u>Availability and Quality of Ground Water in the Pecos River Basin</u> -----	36
George Maddox, Geologist U. S. Geological Survey Ground Water Branch Roswell, New Mexico	

	<u>Page Number</u>
<u>Surface Water Availability and Quality Characteristics in the Pecos River Basin in New Mexico-----</u>	47
Wilbur L. Heckler District Engineer U. S. Geological Survey Surface Water Branch Santa Fe, New Mexico	
<u>Use of Water in the Pecos River Basin, New Mexico-----</u>	68
Earl Sorensen Water Resources Engineer State Engineer Office Santa Fe, New Mexico	
<u>Flood Control and Reclamation Projects - Pecos River Basin, New Mexico-----</u>	76
Carl L. Slingerland Staff Engineer Interstate Stream Commission Santa Fe, New Mexico	
<u>The Possibility of Increasing Water Yield Through Management-----</u>	85
Lowell G. Woods Assistant Regional Forester Southwestern Region, U. S. Forest Service Albuquerque, New Mexico	
<u>Irrigation Water Quality and Quantity-----</u>	94
Dr. Harold E. Dregne Professor of Soils Agronomy Department New Mexico State University	
<u>Water and Recreation-----</u>	101
Fred A. Thompson New Mexico Department of Game and Fish Santa Fe, New Mexico	
<u>Municipal Water Quantity and Quality Requirements and Effects of Use-----</u>	104
Robert P. Lowe, Program Director Water and Sewage Section Environment Factors Division New Mexico Department of Public Health Santa Fe, New Mexico	

	<u>Page Number</u>
<u>Oil Industry's Contribution to New Mexico's Water Resources-----</u>	107
Randall F. Montgomery Member of Board New Mexico Oil and Gas Association Hobbs, New Mexico	
<u>Water Resources Research Act of 1964 - Its Functions and Importance to New Mexico-----</u>	112
Dr. H. Ralph Stucky, Director Water Resources Research Institute New Mexico State University	
<u>Bureau of Outdoor Recreation, P. L. 88-29; and Land and Water Conservation Fund Act of 1965, P.L. 88-578-----</u>	116
W. W. Dresskell, Director Mid-Continent Region Bureau of Outdoor Recreation Denver, Colorado	