

## UP NEXT

### KEYNOTE PRESENTATION

## Shared waters: why do we need to care about groundwater?

Dr. Rosario Sanchez, TAMU

### TOMORROW - FRIDAY

- Breakfast at 7:30am
- 8am – Panel presentations followed by Q&A
- 11:30am to 3:30pm– Depart for buffet lunch, followed by 3 field stops with presentations, travel by vans\*

\*Lunch at La Posta de Mesilla 12-1pm



## Dr. John Hawley

Acknowledging years of work in New Mexico

- 1960s-70s - worked in Las Cruces region began in his early career – at NMSU and USDA
  - Research on soil and hydrogeology in the binational Mesilla Basin region
- 1977-1997 – Bureau of Geology and Mineral Resources at NMT
- Private consulting and work with NM WRI
- At 91 years old – he recently completed NM WRI Technical Report 363, **Hydrogeologic Framework of the Mesilla Basin Region of New Mexico, Texas, and Chihuahua (Mexico)** to be published soon

# Plate 8B USA-Mexico Border Block Diagram

**Legend**

-  Study Area Boundary on Google Earth Photobase
-  Qb- Quaternary Basalt
-  SFG-The Santa Fe Group Basin-fill aquifer system (up to 2,500 feet thick), overlies a thick sequence of bedrock units comprising:
-  Tivs-Lower Tertiary volcanic and volcanoclastic rocks
-  Tls-Lower Tertiary siliclastic-sedimentary rocks
-  K-Cretaceous marine-sedimentary rocks
-  Pz-Paleozoic Marine-sedimentary rocks
-  XY-Proterozoic basement rocks
-  Los Muertos Basin & dry Lake Palomas shoreline (1210 M, 3770 ft)

