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# Treatment and Beneficial Uses of Produced Water

Zachary Stoll Ph.D., Assistant Director  
New Mexico Produced Water Research Consortium

## Session Speakers

Jianjia Yu, Ph.D., New Mexico Tech

Yanyan Zhang, Ph.D., New Mexico State University

Adrienne Lopez, Texas Pacific Water Resources and Punhasa Senanayake,  
New Mexico State University

Huiyao Wang, Ph.D., New Mexico State University

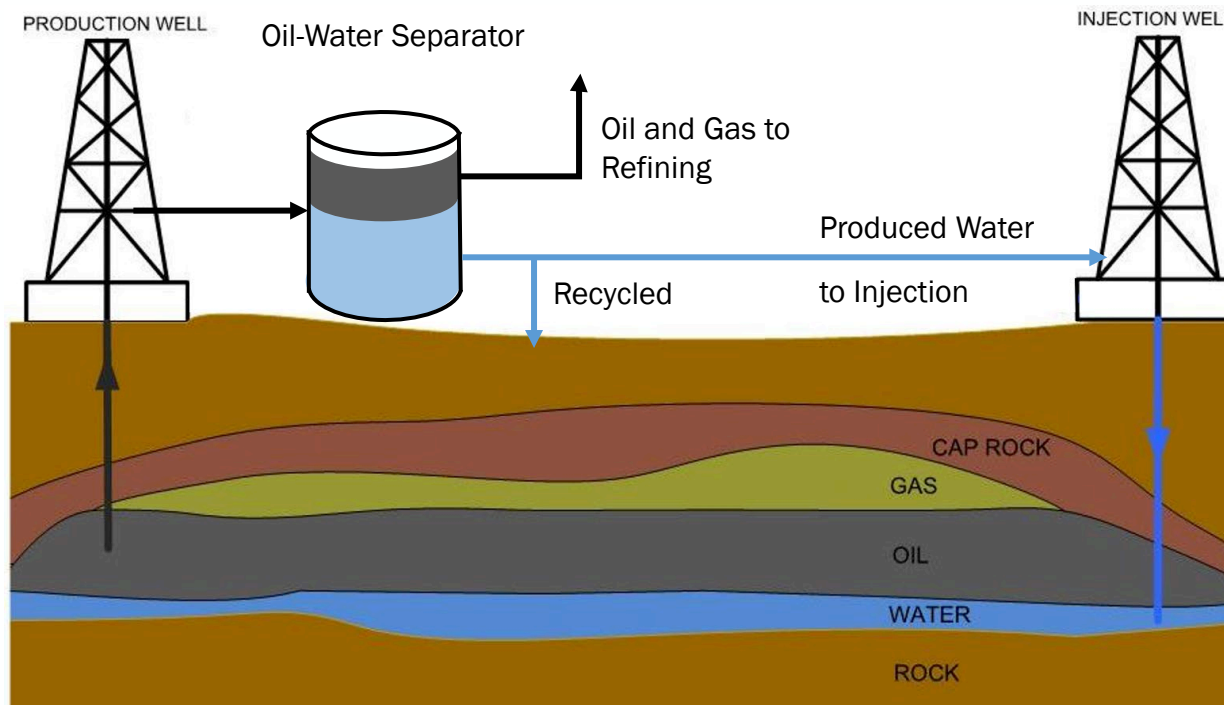
*Disclaimer: The New Mexico Produced Water Research Consortium at New Mexico State University is conducting independent, science-based research to evaluate potential environmental and health effects related to the reuse of treated produced water for fit-for-purpose applications. This work is designed to generate objective data under controlled conditions, without promoting or opposing any specific reuse practices. Our goal is to provide clear, reliable information that supports informed decision-making around the safe and responsible use of produced water in New Mexico and beyond.*

*This presentation includes preliminary research data from the New Mexico Produced Water Research Consortium at New Mexico State University. The information presented is subject to change and has not yet undergone formal quality assurance or quality control (QA/QC) review. Distribution or sharing of this material without prior authorization from New Mexico State University is not permitted.*



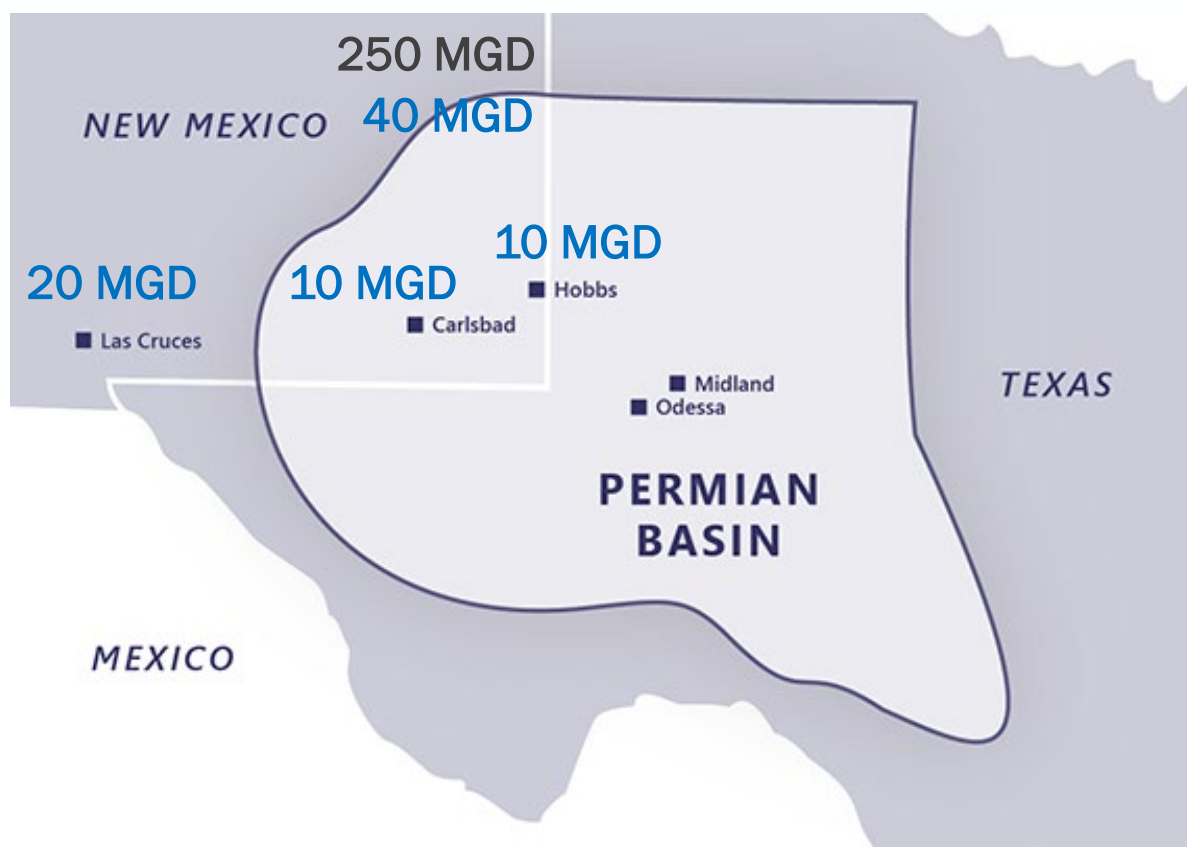
# What is Produced Water?

- Mostly natural water that has been trapped underground for millions of years
- It is usually much saltier than seawater and contains hydrocarbons, metals, and other compounds
- Because it comes up along with oil and gas, it's considered a byproduct







# Produced Water Volumes and (Potential) Flows New Mexico's

- New Mexico is the 2nd largest oil producer in the United States and is among the top natural gas-producing states.
- How much produced water is generated in NM?





# Terminology

Water Type	Raw PW	TM	Clean Brine	TM	Desal. PW	TM	Pol. PW
Appearance							
Salinity	Extremely High (~120,000 mg/L TDS)		Extremely High (~120,000 mg/L TDS)		Low (< 500 mg/L TDS)		Low (< 500 mg/L TDS)
Uses	None		Reuse <i>Inside</i> O&G (Fracking)		Reuse <i>Outside</i> O&G*		Reuse <i>Outside</i> O&G

