Impacts of NM Water Policy on Permian Basin Producers



Solutions



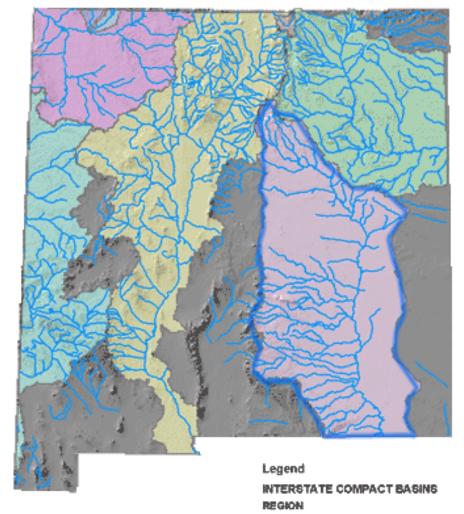


Laura Riley



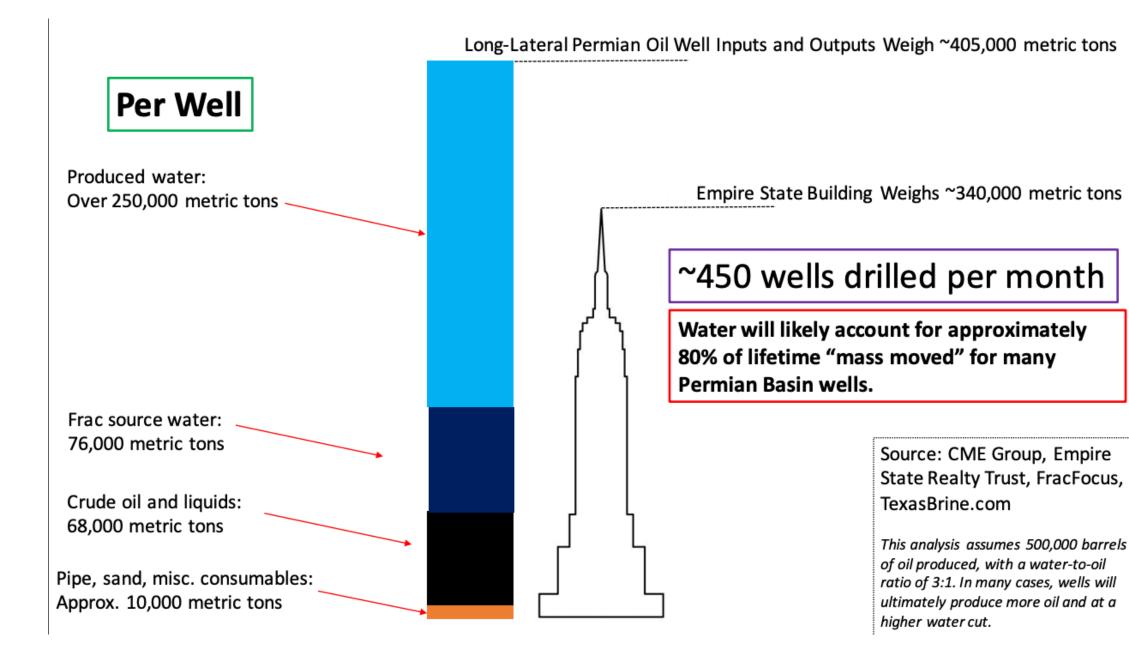
Overview

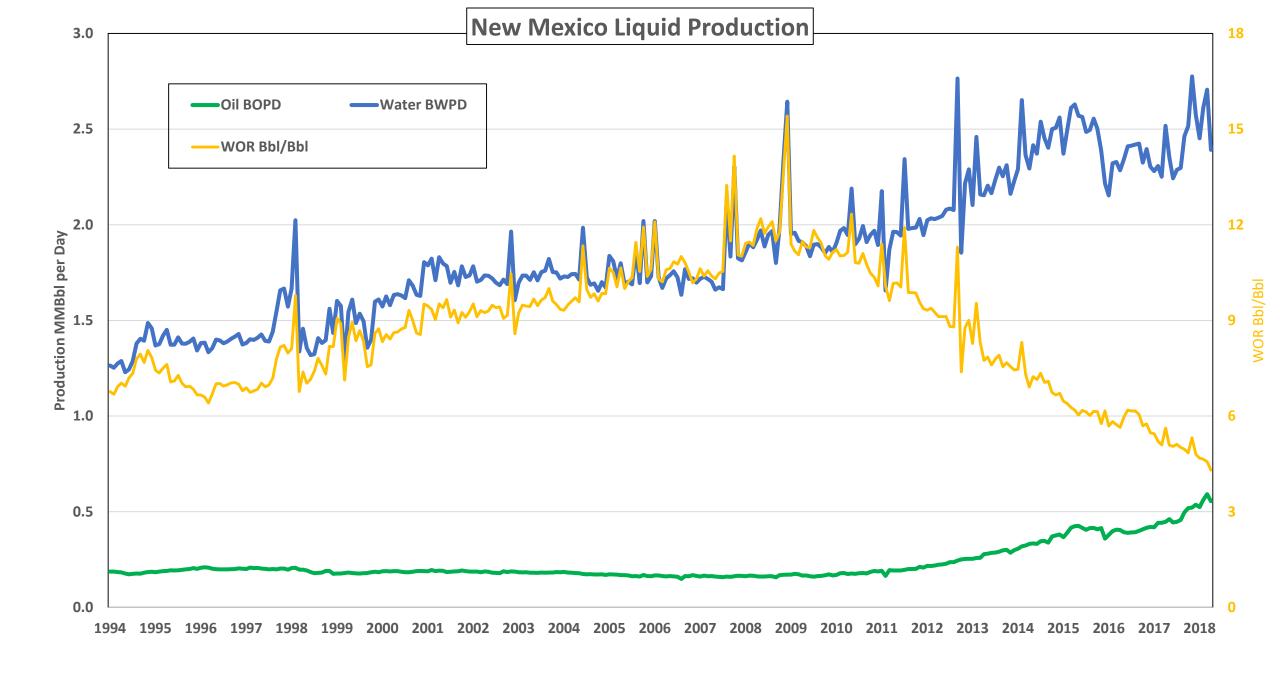
- NM Water Law
- Regionalized Water Management
- Conflicting Policy
- Unprecedented Growth













Regulatory Environment



- New Mexico Office of State Engineer
- New Mexico Oil Conservation Division
- Landownership
 - Bureau of Land Management
 - New Mexico State Land Office
 - Private







New Mexico Office of State Engineer

- Surface and Groundwater
 - Carlsbad Underground Basin
 - Capitan Basin
 - Roswell Artesian
 - Lea County

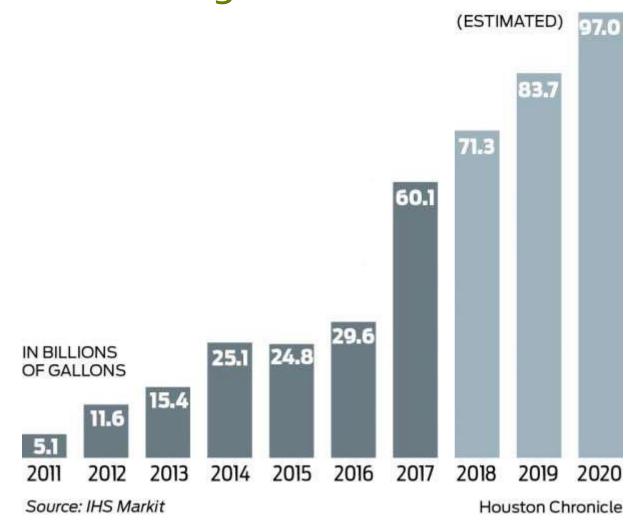
Pecos River Compact







Water Usage in Permian Basin



8

New Mexico Oil Conservation Division

- Protection of Ground Water
- Injectable Water
- Saline Water Production
- Produced Water Recycling

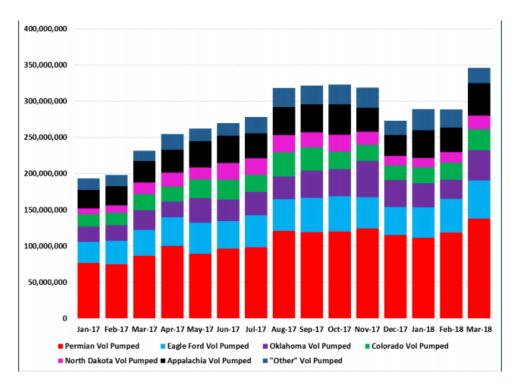




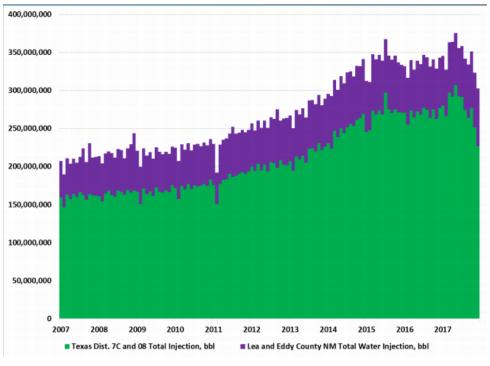


Supply & Demand

Frac Water Volumes Pumped



Water Injection

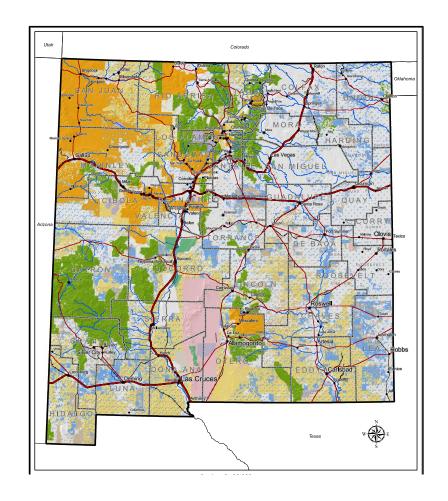




Landownership



- Bureau of Land Management
- New Mexico State Land Office
- Private



10/29/2018

Bureau of Land Management

- Carlsbad RMP
- NEPA
- T & E Species
- Timeframe
- Oversight





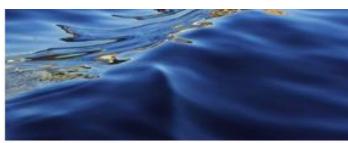


New Mexico State Land Office

- Political Environment
- Dual Responsibility





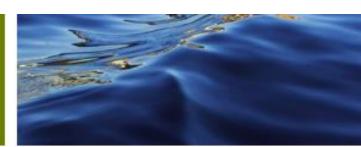


Private Landowners

- Surface Damages
- Water Rights
- Pore Space

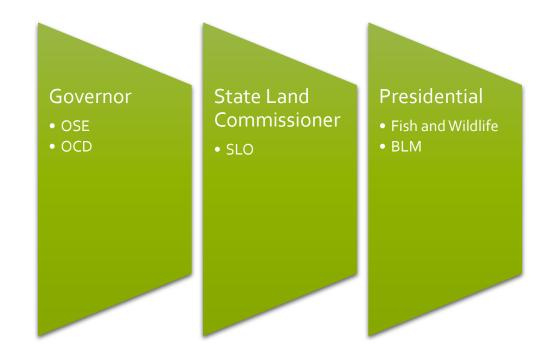






Anticipated Changes

- OSE Water Plan
- OCD- Injection Rule
- SLO- Policy Changes
- BLM- Carlsbad RMP
- FWS-T & E Species





Conclusions



References

New Mexico Office of State Engineer-

<u>Pecos River Compact-</u> http://www.ose.state.nm.us/Compacts/Pecos/isc_pecosCompact.php <u>Water Map</u>-http://www.ose.state.nm.us/WRAB/abstractMap.php

New Mexico Oil Conservation Division

<u>Underground Injection Control</u>-http://www.ose.state.nm.us/WRAB/abstractMap.php

New Mexico State Land Office

<u>Forms and applications-</u>http://www.nmstatelands.org/Forms_and_Applications.aspx

GAVILAN

Solutions

Laura Riley

4533 17th Ave. NE Rio Rancho, NM 87144

505.330.3984 Iriley@gavilansolutions.com