



Recycling Progress Highlights Warren Sumner

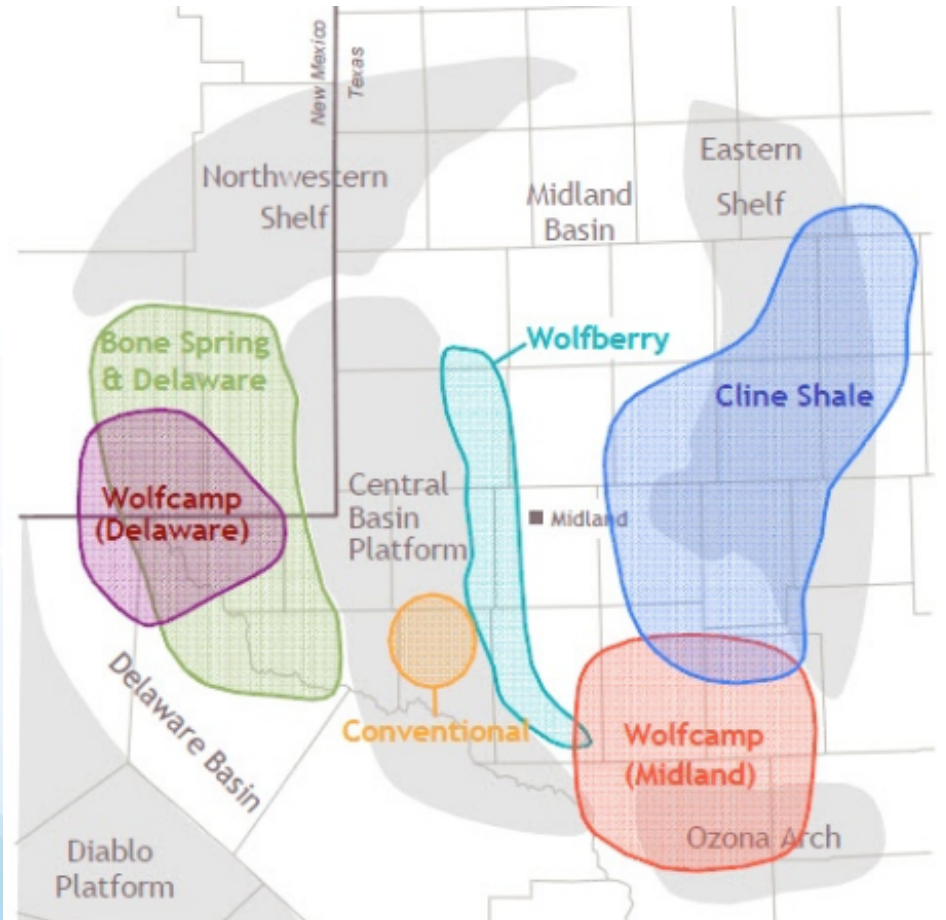
May 2014

Omni Water Solutions Summary

- **2,500 to 20,000 barrel/day water treatment systems**
- **Treating flow back and produced water since 2010**
- **8 treatment technologies used to configure fit for purpose solutions**
- **Patented, flexible treatment from basic to complex to meet operator needs**
- **Mobile water supply units to provide drinking water for man camps**

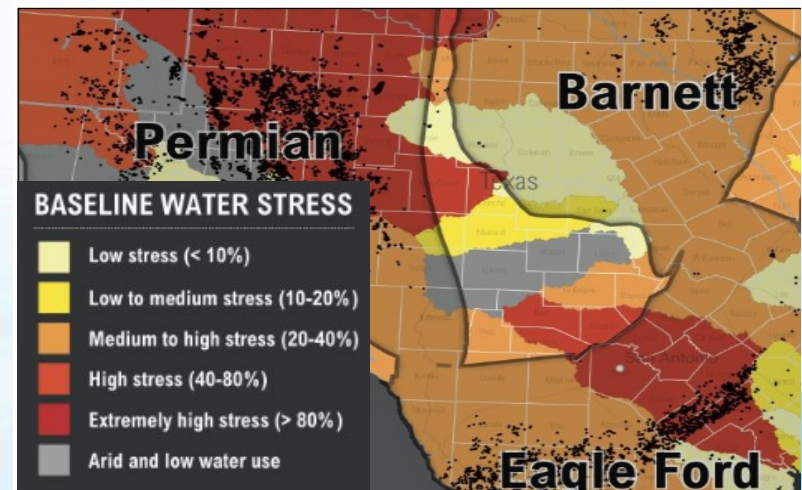


Permian Driving Move to Commercial Stage

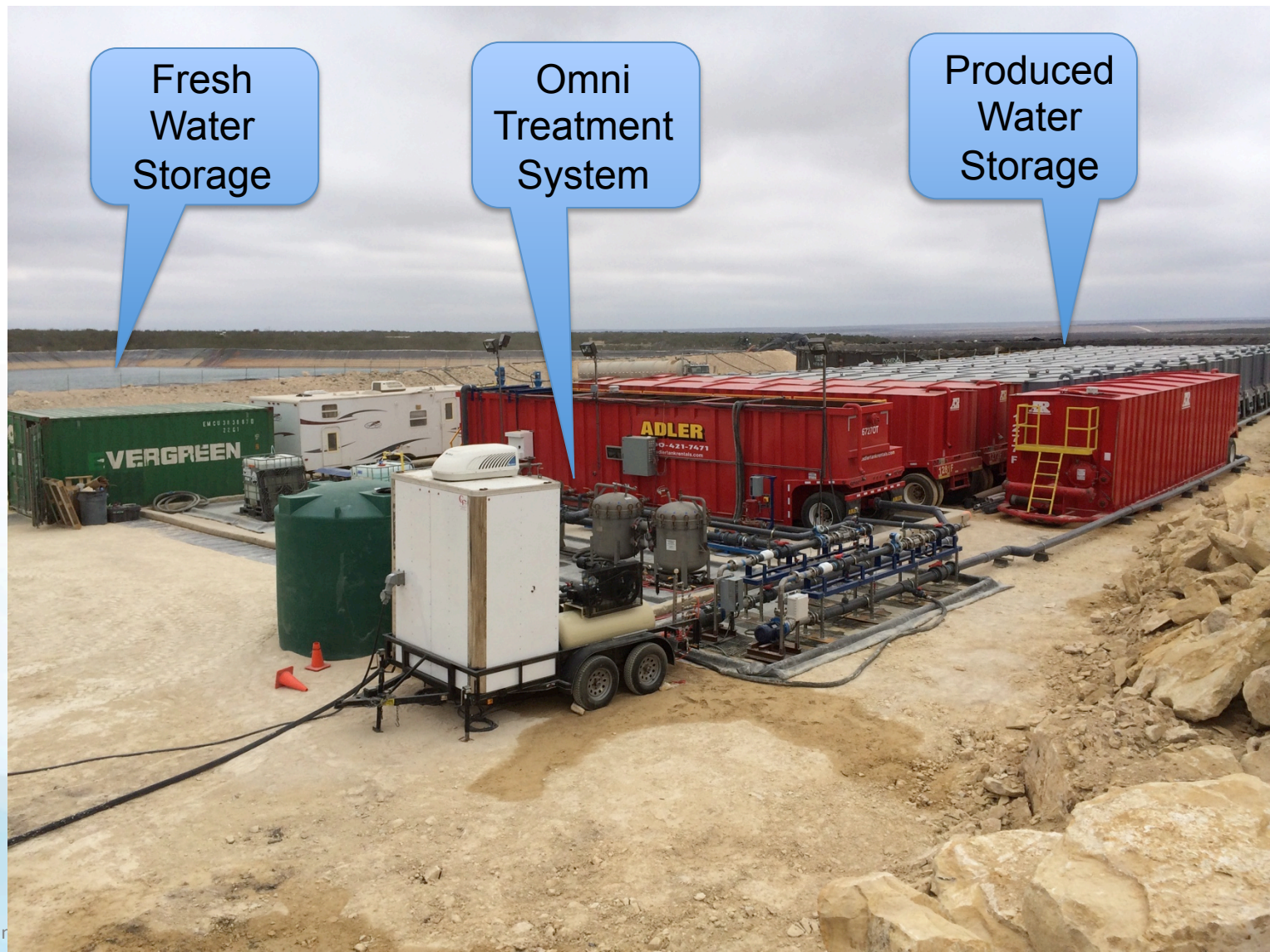


Permian Basin

- 546 drilling rigs
- 27% of all US rigs
- 3,500 feet of stacked play (vs. 350 feet in Eagle Ford)



Produced Water Recycling in Irion County



Irion Cty: Recycling Less Than Disposal & Trucking



Project Statistics

- 120,000 bbls treated
- 40,000 bbls re-used per well
- Treat 4 – 10,000 bbls/day
- Treatment kills bacteria, reduces iron & susp. solids
- Re-use volume limited by storage volume
- Operator saves \$1 per bbl

Karnes Cty: Recycling for Fracs and Workovers

**“Floc & Drop”
Pre-Treatment**

**Polishing
Treatment**

**Brine
loaded for
workover
fluid**

- **500,000 bbls treated**
- **Boron reduction from 90PPM to 5**
- **Fresh for fracs**
- **Brine for workover**
- **30-40% Cost Savings**



Recycling Works for Large & Small Operators

