

# Update on Vista Ridge Temporary Amendment Production & Water Levels

Presented To: DFC  
Committee



Presented By:

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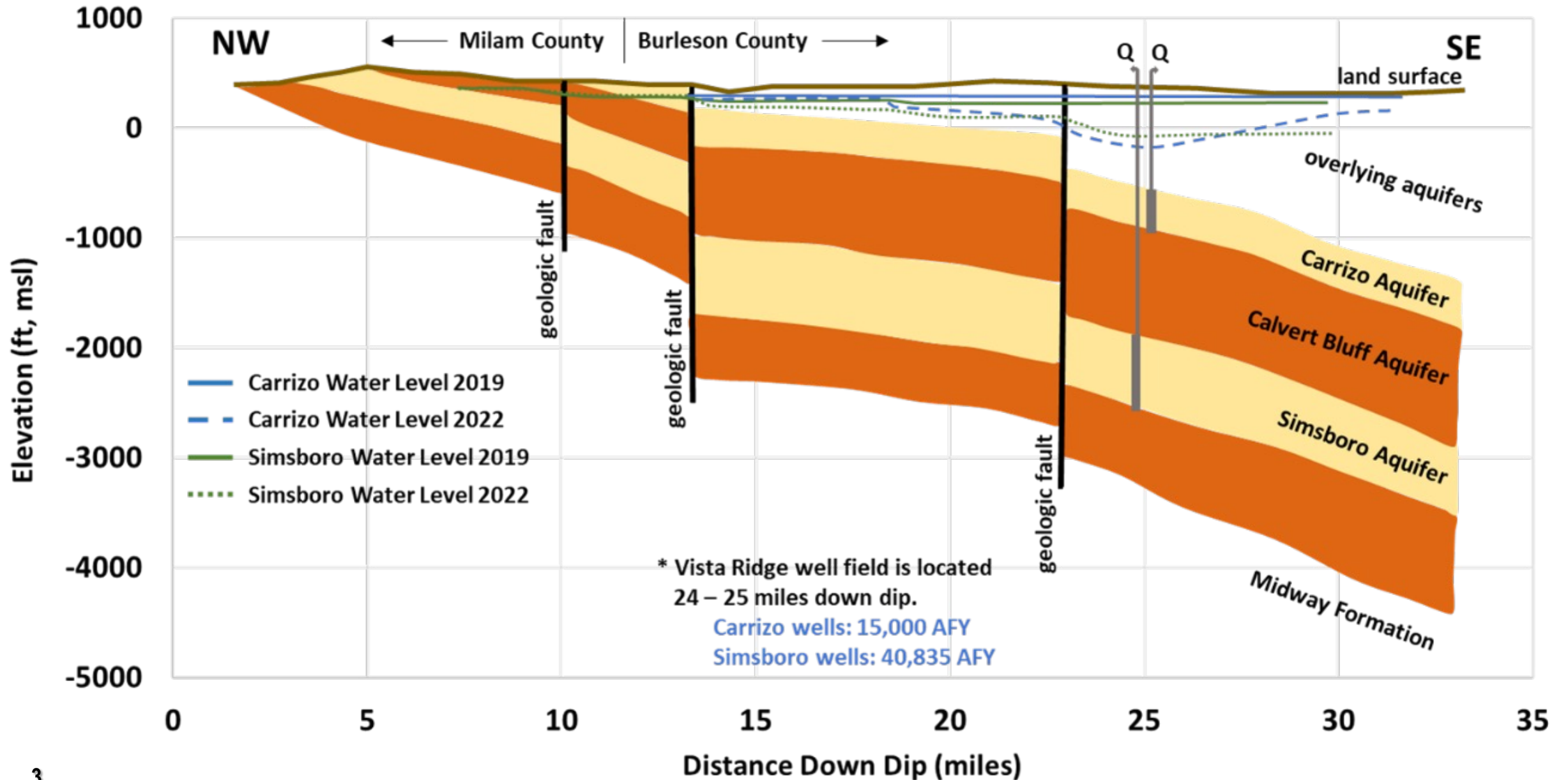


June 13, 2023

# Discussion Topics

- Vertical Cross-section of Carrizo-Wilcox Aquifer
- 2023 Monitoring Data
- Vista Ridge Temporary Amendment
- Observations from Monitoring Data (April 2023 to May 2023)

# Vertical Cross-Section Along A'-A Through Milam & Burleson Counties



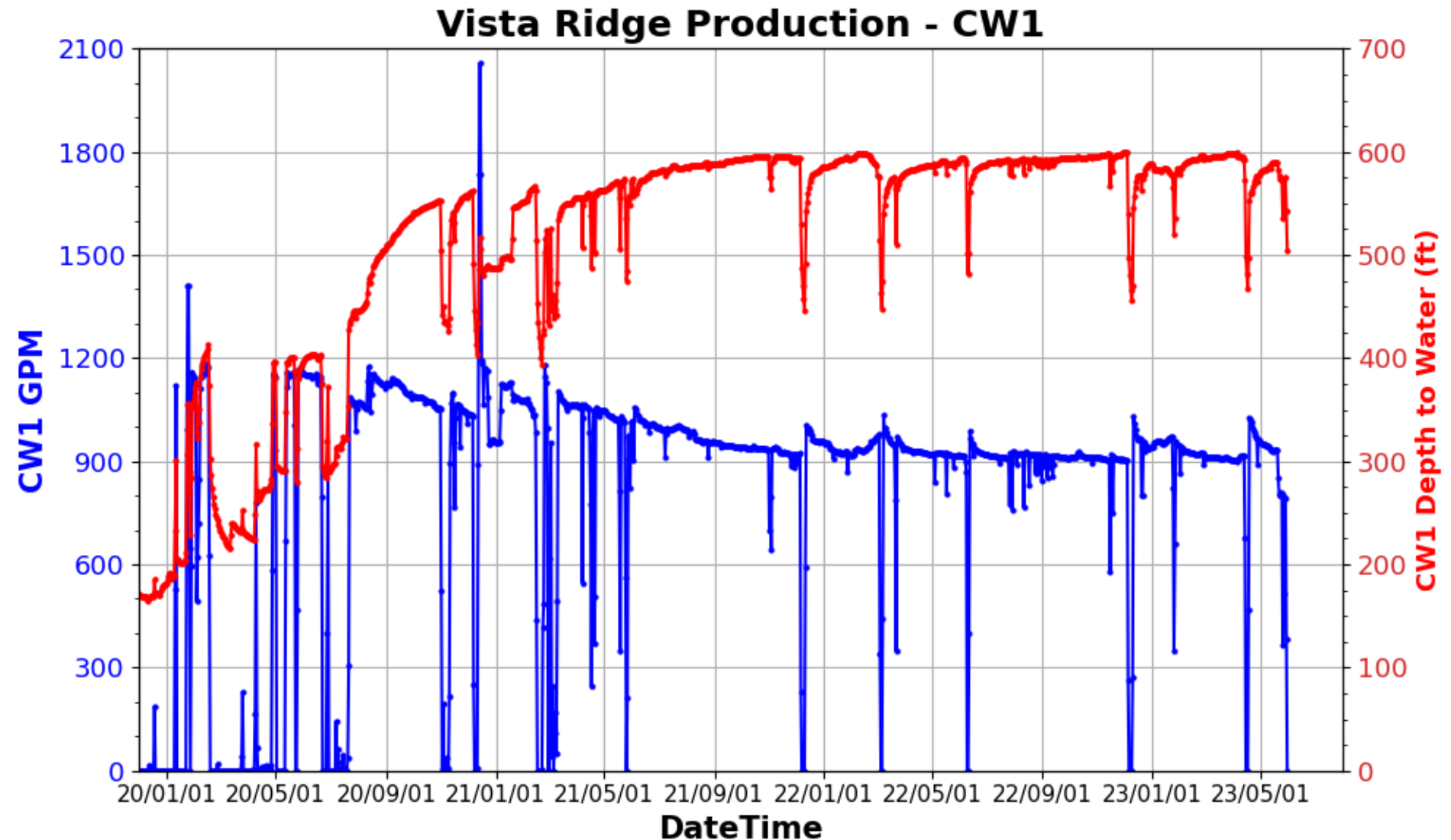
# Observed Change in Water Levels

- 2023 measured water levels
  - 100 measured water levels in Carrizo
  - data will be analyzed as part of Compliance Report in Fall along with data from BVGCD and LPGCD
- Preliminary Results for Carrizo Aquifer
  - 2 to 5 miles of Vista Ridge well field, water levels declined 10 to 50 ft
  - 5 to 15 miles of Vista Ridge well field, water levels declined 5 to 25 ft
  - 15 to 25 miles of Vista Ridge well field, water levels declined 1 to 10 ft

## 2023 POSGCD Measured Water Levels

Aquifer	Measurements
Sparta	44
Queen City	37
Reklaw	5
Carrizo	100
Calvert Bluff	72
Simsboro	62
Hooper	28
Two Aquifers	46
Total	394

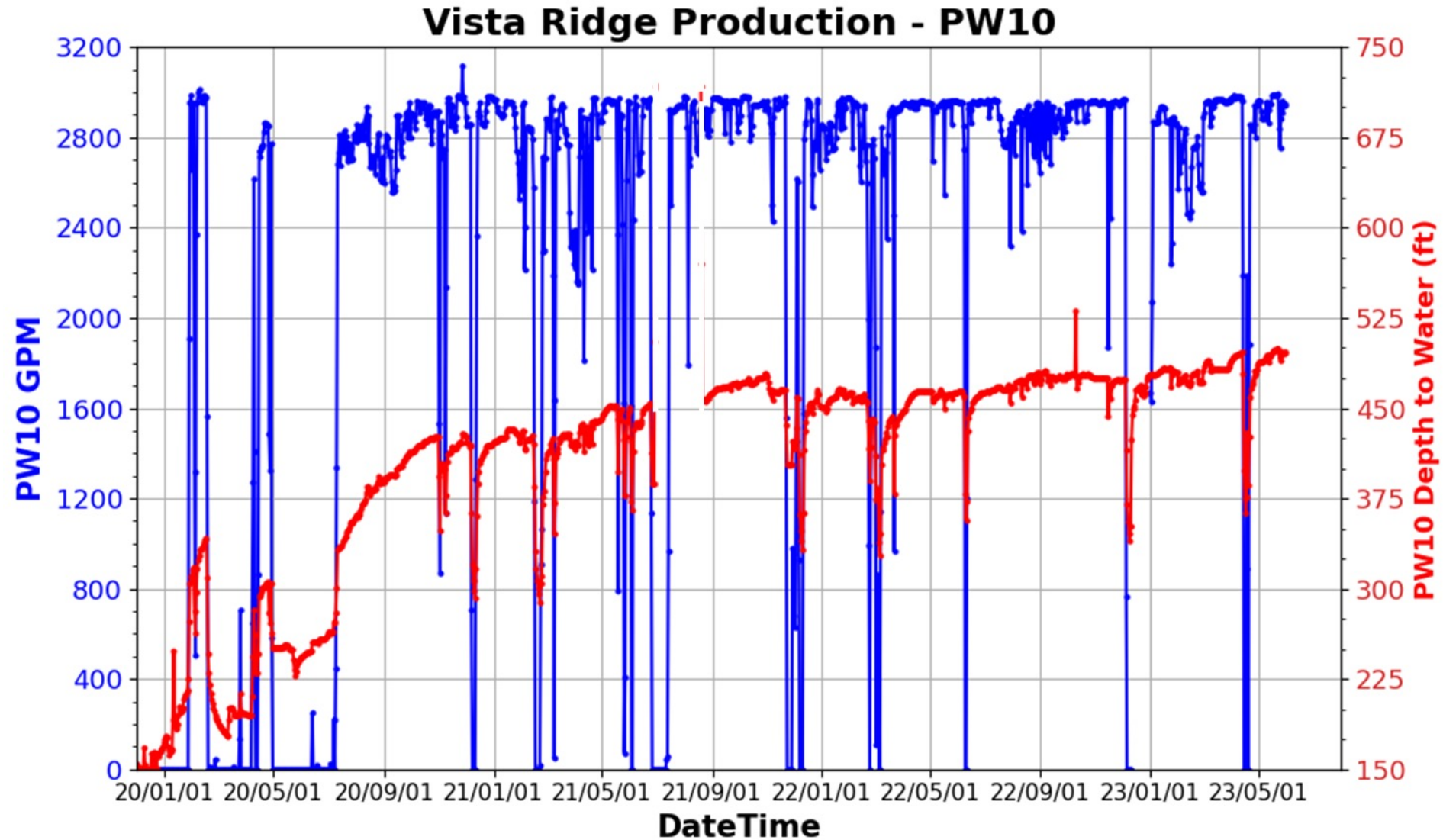
# Vista Ridge Production Well: Carrizo Well # 1



Note: Drawdown in a Pumping Vista Ridge Well is not Reflective of Aquifer Drawdown



# Vista Ridge Production Well: Simsboro



Note: Drawdown in a Pumping Vista Ridge Well is not Reflective of Aquifer Drawdown

# Vista Ridge Temporary Amendment

- Explore potential for shifting pumpage from Carrizo Aquifer to the Simsboro Aquifer
  - Carrizo (15,000 AFY = 9,292 gpm = 1,032 gpm/well) – 30 %
  - Simboro (40,835 AFY = 25,297 gpm = 2,811 gpm/well) – 70%
- Authorized to increase Maximum Instantaneous Rate in Simsboro Wells from April to August 2023

<i>Well</i>	<i>Distance from Property Line (ft)</i>	<i>Requested Max. Instantaneous Flow Rate (GPM)</i>
PW11	1,594	3,188
PW13	1,892	3,500*
PW15	1,580	3,160
PW16	1,606	3,212
PW17	1,538	3,076

- If successful, schedule installation of PW-18

# 2023 Vista Ridge Well Data (con't)

- Production from April 20, 2023 to May 31, 2023
  - Carrizo pumping = 877 gpm/well (23%)
  - Simsboro pumping = 2862 gpm/well (77%)
- Water Levels from April 20, 2023 to May 31, 2023
  - Responses at individual well are evident
  - Trends across well field difficult to discern