

Field Validation Report – Production System Conditioning

Section 1 — Executive Snapshot

System context: Gas wells producing from the Vicksburg consolidated interval in the Ball Ranch area, Kenedy County, Texas. The dataset consists of individual well production-history exhibits and aggregated field sales volumes.

Objective of evaluation: Evaluate whether the provided dataset demonstrates a defensible before/after production response following a production system conditioning event. This report documents observed production and pressure behavior only. No product names, mechanisms, or formulations are referenced.

Section 2 — Before / After Performance Summary

Gas Production: Declining or near-zero → Increased and stabilized at higher levels

Flowing Tubing Pressure: Declining to lower levels → Increased to higher levels

Condensate Production: Low and stable → Low and stable

Water Production: Low and stable → Low and stable

Section 3 — Production Response

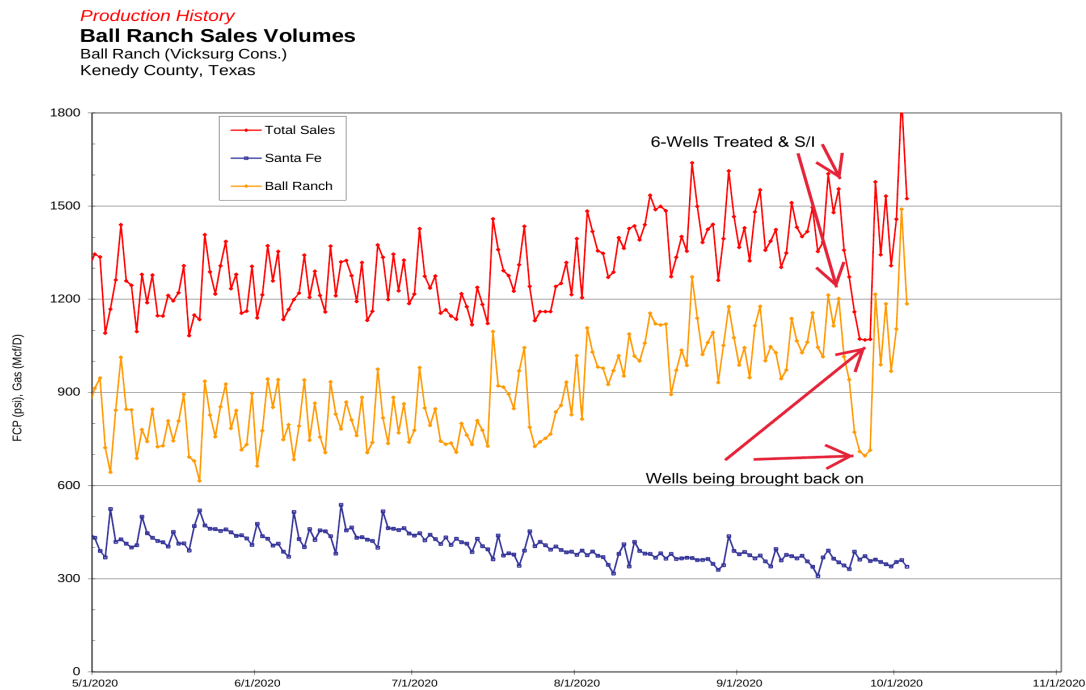


Figure 1. Ball Ranch Sales Volumes (Vicksburg Consolidated, Kenedy County, Texas). Vertical marker indicates the mid-2020 treatment window per project records. No smoothing or extrapolation applied.

Section 4 — Observed Outcomes & Notes

- Gas production increased at the field level following the mid-2020 window.
- Flowing tubing pressures increased concurrently with gas rates in multiple wells.
- The response is directional (upward) and observed across more than one well.
- Condensate and water volumes remain low and relatively stable compared to gas and pressure changes.
- No major mechanical or operational changes are indicated within the provided production-history exhibits.

Important Notes

- Results are system-specific.
- No universal applicability is claimed.
- No mechanism or formulation is disclosed.