



# Midstream Energy Company Uses Pressure Intelligence to Streamline Permitting and Strategic Planning

## CLIENT PROFILE

A major midstream operator in the Permian Basin manages one of the region's largest networks of saltwater disposal (SWD) wells across Texas and New Mexico. With assets spanning multiple regulatory jurisdictions and operating across varied geologic formations, the company faces the dual challenge of maintaining disposal efficiency and meeting growing regulatory demands in a basin under increasing pressure constraints.

## THE PROBLEM: Limited Pressure Visibility and Rising Regulatory Demands

As produced water volumes rose and regulatory oversight intensified, disposal operations were increasingly constrained by formation pressure. Traditional pressure testing required costly well shut-ins and extensive geological data collection, which were impractical across a broad portfolio. At the same time, regulators began asking operators not only for pressure values but also for evidence that those numbers were credible.

“We operate across a large footprint, but we weren’t pressure testing every well. We needed an independent, trusted dataset that regulators would accept,” stated their geologist.

## THE SOLUTION: Pressure Data from B3 Insight Available on OilfieldH2O

The company subscribed to B3 Insight’s **Pressure Data on OilfieldH2O**, which provides injection rates and pressures calibrated to downhole gauge measurements. This provided an independent, regulator-accepted dataset without requiring extensive internal resources.

“When regulators asked us to justify our pressure assumptions, we could point directly to B3 Pressure Data,” said the geologist. “B3 even provided supporting methodology that the Railroad Commission accepted. That was a turning point for us,” explained their geologist.

Beyond permitting, the reservoir team began incorporating pressure data into planning workflows like:

- Using pressure maps with highlighted areas where future wells would face injection-rate restrictions.
- Analyzing pressure trends to help refine performance expectations and improve disposal well longevity.

**“The data filled a critical gap. Without it, we’d be building reservoir models from limited data or taking downtime to run bottomhole tests. With it, we can quickly see pressure trends that align with our forecasts and support longer-term planning.”**

*Reservoir Engineer*

## THE BENEFITS: Efficiency Today, Strategy for Tomorrow

By embedding pressure intelligence into core workflows, the company has translated data into both immediate efficiencies and long-term strategic value:

- **Faster permitting:** Applications that once required days of manual analysis can now be supported in minutes with regulator-accepted pressure data.
- **Lean operations:** With trusted pressure data, limited resources can oversee permitting and planning across a much broader portfolio without sacrificing rigor.
- **Informed planning:** Pressure data provides early visibility into high-pressure zones reducing risk and prevent costly missteps.

The operator's use of pressure data goes beyond efficiency. It demonstrates a deliberate commitment to data-driven operations. By embedding pressure intelligence into planning, permitting, and portfolio management, the company is better equipped to anticipate constraints, adapt to regulatory changes, and sustain capacity in one of the most challenging operating environments in the U.S.

**"It also helps us understand how pressure growth shortens well life. A forecast that once looked like 20 years of capacity may be closer to 12 if pressure is climbing faster than expected. That's invaluable for planning."**

*Staff Engineer*

### CONCLUSION

With disposal capacity under pressure and regulatory standards tightening, this midstream operator turned to B3 for trusted foundational data. The result: faster permitting, reduced risk, and better alignment between operations, planning, and regulatory compliance.

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