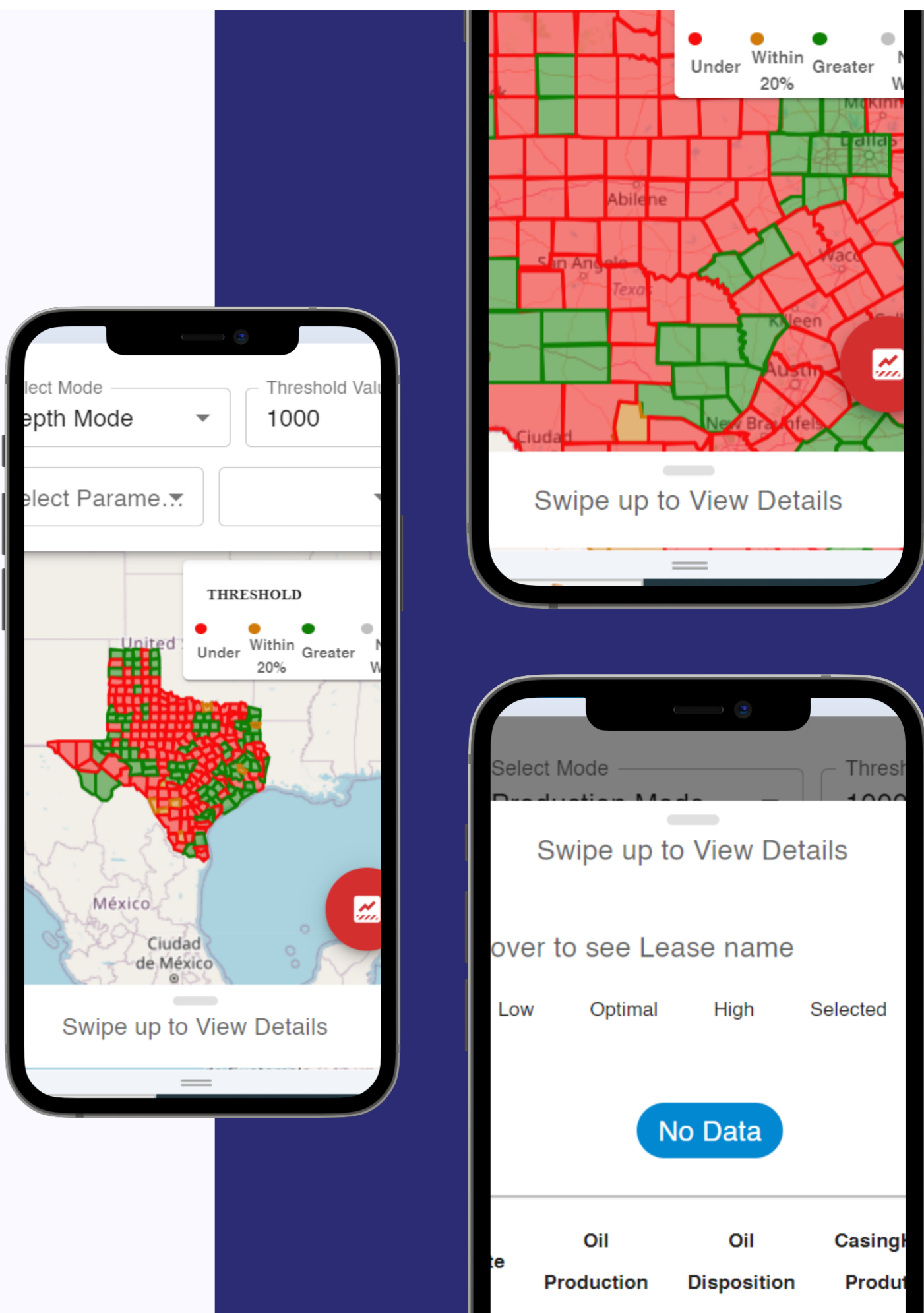


# Well Monitoring System

Transforming Oil and Gas Well Management



## Solution Overview:

The Well Monitoring System stands as a pioneering solution in the oil and gas industry, providing a real-time and insightful overview of well statuses in the Texas state region.

The Well Monitoring System also provides landmen with a quick, intuitive interface to find land leases that might have lapsed over the last 10 years.

## Challenges:

### 1. Lack of Real-Time Well Production Monitoring:

The client faced difficulties in obtaining an up-to-date and comprehensive overview of the operational statuses of oil and gas wells in the Texas state region.

### 2. Inefficient Threshold Monitoring:

Monitoring key well parameters and ensuring they stay within predefined thresholds proved challenging, leading to potential operational inefficiencies and compliance concerns.

### 3. Limited Data Visualization:

Existing tools lacked advanced mapping and visualization capabilities, hindering the client's ability to interpret and analyze well data spatially.



## Solution: Well Monitoring System Implementation:

### 1. Real-Time Overview:

The Well Monitoring System addressed the challenge of obtaining real-time well status updates. Clients now have instant access to the operational statuses of wells, distinguishing between active and inactive ones.

### 2. Threshold-Based Well Logs:

The system introduced a revolutionary approach to threshold-based well logs, allowing clients to set and customize parameters for proactive monitoring. Customizable alerts notify stakeholders when critical thresholds are breached, enabling swift intervention.

### 3. Interactive Maps and Visualization:

Advanced mapping and visualization tools were integrated, providing clients with an interactive and user-friendly platform. This empowered them to explore well statuses spatially, gaining deeper insights into the geographical distribution of wells.



## Results and Impact:

### 1. Enhanced Operational Efficiency:

Clients experienced a significant improvement in operational efficiency with instant access to real-time well statuses and customizable alerts for threshold breaches.

### 2. Proactive land lease Management:

Implementing land lease agreements to minimize loss due to lack of production.

### 3. Improved Compliance:

The Well Monitoring System ensured compliance with industry regulations, providing a reliable tool for monitoring and addressing compliance-related concerns including reports showing consecutive 0 production month periods for a well over the last 10 years.

### 4. Simplify User Experience:

The system garnered positive feedback from users, with its intuitive interface and advanced features contributing to a more informed decision-making process.

