

CASE STUDY

Your well portfolio lives in Excel. So does your regulatory risk.

Northwoods Energy tracked every well, APD filing, rig schedule, and surface agreement in spreadsheets. As the portfolio grew, the gaps became operational: no single view of well status, no way to see regulatory risk at a glance, and no audit trail for rig moves. Armely built a custom Wells Inventory Management Application on SharePoint Online that replaced those files with a live, role-controlled system of record.

Does this describe your operations?

- Well data is spread across multiple Excel files with no single view of the portfolio.
- You cannot see which wells have APD approvals, denials, or expirations without manual checking.
- Rig scheduling requires cross-referencing files and notifying people manually.
- New staff or contractors get the same file access as everyone else, with no role separation.
- There is no audit trail showing when wells were moved between rigs or who made changes.
- Leadership cannot see total acreage, approval rates, or regulatory risk without requesting a report.

What Armely did for Northwoods Energy

Context: Northwoods Energy manages a portfolio of wells across multiple PADs and DSUs, with regulatory filings, rig schedules, right-of-way agreements, and surface agreements. All of it was tracked in Excel.

What Armely built: A custom Wells Inventory Management Application on SharePoint Online with well lifecycle tracking, drag-and-drop rig scheduling with Gantt chart views, a live dashboard showing APD status and acreage, role-based access through Active Directory, and a secure API connection to on-premise SQL Server.

The result: Every well has a unique identifier from inception to retirement. Regulatory risk is visible at a glance. Rig moves happen in one interface. Leadership sees live data without requesting a report.

Before	After
Well data scattered across multiple Excel files with no single portfolio view	One system of record with a unique identifier for every well from inception to retirement
APD approvals, denials, and expirations tracked manually across state and federal filings	Live dashboard shows approved, pending, denied, and expiring APDs in real time
Rig scheduling required updating multiple files and manually notifying teams	Drag-and-drop rig moves with instant Gantt chart and color-coded status views
No audit trail for well moves or data changes	Full move history recorded automatically for every well
No role-based access: everyone worked in the same files	Three access tiers (Admin, Contributor, View-Only) through Active Directory
Leadership relied on manual reports to see acreage, approvals, and risk	Self-service dashboard with live acreage, approval counts, and expiration alerts

Book a free energy data integration review

We look at your current well tracking, your operational data sources, and what a purpose-built application would look like for your organization.

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