



EXPLORATION & PRODUCTION

CAPABILITIES

- Due Diligence
- Environmental & Social Impact Assessments
- Regulatory Reviews
- Public Road Haul Route Planning & Analysis
- Road Use Maintenance Agreement (RUMA) Assistance
- Existing Conditions Survey (Well Pad and Access Drive Areas)
- Well Plat Surveys
- Pre-Drilling Aquifer & Water Resource Baseline Evaluation
- Wetland Services
- Threatened & Endangered Species
- Stream Sampling/ Permitting
- Air Permitting
- Site Engineering/Well Pad Design
- Civil, Mechanical & Structural Engineering
- Flowback/Produced Water Treatment, Recycling, Management
- Water Rights
- Groundwater Impact/ Investigation Assessments
- SPCC Plans
- Federal, State & Local Permitting
- GIS Mapping
- Drill Pad Closures
- Pit Closures
- Site Remediation
- Construction Management

UNIQUE SOLUTIONS FOR UPSTREAM SYSTEMS

The nation's increase in natural gas and oil production represents new and exciting development opportunities for producers. Atwell's specialists are driving development programs in shale plays across the country, supporting domestic supplies, job creation and new industries.

The team is able to support desktop studies, preliminary site and infrastructure investigations, layout, environmental permitting strategy, civil design, roadway modifications and water quality management for new production units and well-pad sites. Knowing the cost of each unproductive day, our professionals work with a sense of urgency and a focus on community safety.

PROOF POSITIVE

Fueling Success in the Utica Shale

Shale plays across the country have seen an incredible amount of activity related to oil and gas production, and the Utica play in eastern Ohio is no exception. Atwell supports numerous oil and gas producers in the region with due diligence, engineering, and permitting and construction management activities.

Recently, our Cleveland office celebrated the successful completion of a well pad featuring five wells actively producing natural gas, petroleum and a variety of natural gas liquids. Atwell's support included:

- Civil design for the site and access roads
- Land surveying for the production and drilling unit plats
- Environmental and natural resource consulting
- Permitting services
- Road Use Maintenance Agreement (RUMA) and off-site road improvement services for employees