



# SUBSURFACE INJECTION

## OWNER - OPERATOR PERSPECTIVE

From our foundation as owners - operators of subsurface injection facilities, the operating philosophy underlying our services comes from the operator's desire to identify risk, control project costs, and solve problems efficiently.

### Focus on Solutions

- We focus on solving problems using a phased project structure to mitigate risk, and reduce cost exposure, and create long-term solutions for our clients.
- We use project management and technical expertise to control costs and maintain project objectives.
- We encourage a team-based approach to solve problems.

### Safty First Culture

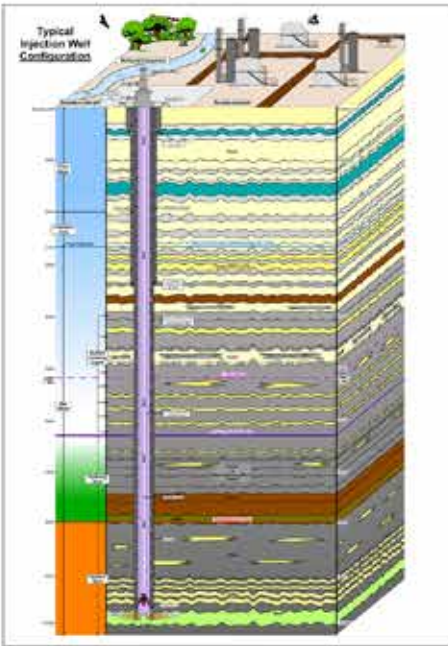
- Our employees feel ownership for safety, and take responsibility for themselves and others
- We believe that zero injuries is an attainable goal.
- Safety performance is key consideration in vendor selection
- We use Health & Safety Plans and QA / QC programs for all field activities
- We conduct daily safety meetings and pre-task process hazards reviews.

### KEY BENEFITS



- Focused on solving problems
- Team - based approach
- Identify risks
- Control cost
- Maintain Project objectives
- Create long term solutions

# EXPERIENCE



Geostock Sandia personnel are expert in injection well permitting and regulatory assessment and interpretation. We provide geological, permitting and engineering services for subsurface injection wells at:

- Chemical Plants
- Petroleum Refineries
- Oil & Gas Production Facilities
- Steel Mills
- Utilities
- and Other Industrial and Government Operations.

Having permitted many types of wells (Class I, II, V wells) in many states, Geostock Sandia's regulatory specialists have personal and technical relationships with many state and federal UIC regulators. From this unique background, we assisted regulators in Texas and Mississippi in developing the initial framework for UIC Permits for Class V wells.

**CONCEPT DEVELOPMENT**

- Site Characterization
- Feasibility Studies
- Exploration Programs
- Technology Studies/ Identification

**ALTERNATIVE SCREENING & SELECTION**

- Conceptual Design
- Subsurface Evaluation
- Technical Risk Assessment
- Permitting
- Front End Engineering & Design
- Reservoir Simulation

**DESIGN & EXECUTION**

- Detailed Design
- Procurement
- Construction Management
- Drilling
- Site Supervision
- Solution Mining
- Cavern Mining
- Surface Facilities Design & Installation

**OPERATIONS**

- Due Diligence
- Facility Audits
- Workovers
- MITs
- Operations Monitoring
- Operations Optimization
- Permit/Operational Compliance

**Integrated Services – We incorporate our expertise and experience in all phases**

- Project Management
- Geology
- Geophysics
- Rock Mechanics
- Reservoir Engineering
- Process Engineering
- Production Engineering
- Cavern Engineering
- Hydrogeology
- Regulatory Negotiation, Support