



# BILL SPITZER & ASSOCIATES

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<http://www.billspitzerassoc.com/>



## Epoxy Grout Pumping Supervision Service

**Location:** Shaw, MS

**Date:** May 2020

**Product:** Chockfast® Red

**Size:** 670 units or 1,072 ft<sup>3</sup>

**Distance Pumped:** 100'

**Pumping Height:** 10' Avg. Vertical

**Avg. Pump Rate:** 56 ft<sup>3</sup> per hour

**Low Ambient:** 57°F

**High Ambient:** 90°F

**Max Wind Speed:** 14 mph

**Avg Dew Point:** 56°F

**Client:** This NYSE traded company owns and operates over 9,000 miles of natural gas, has over 4,000 miles of natural gas liquid



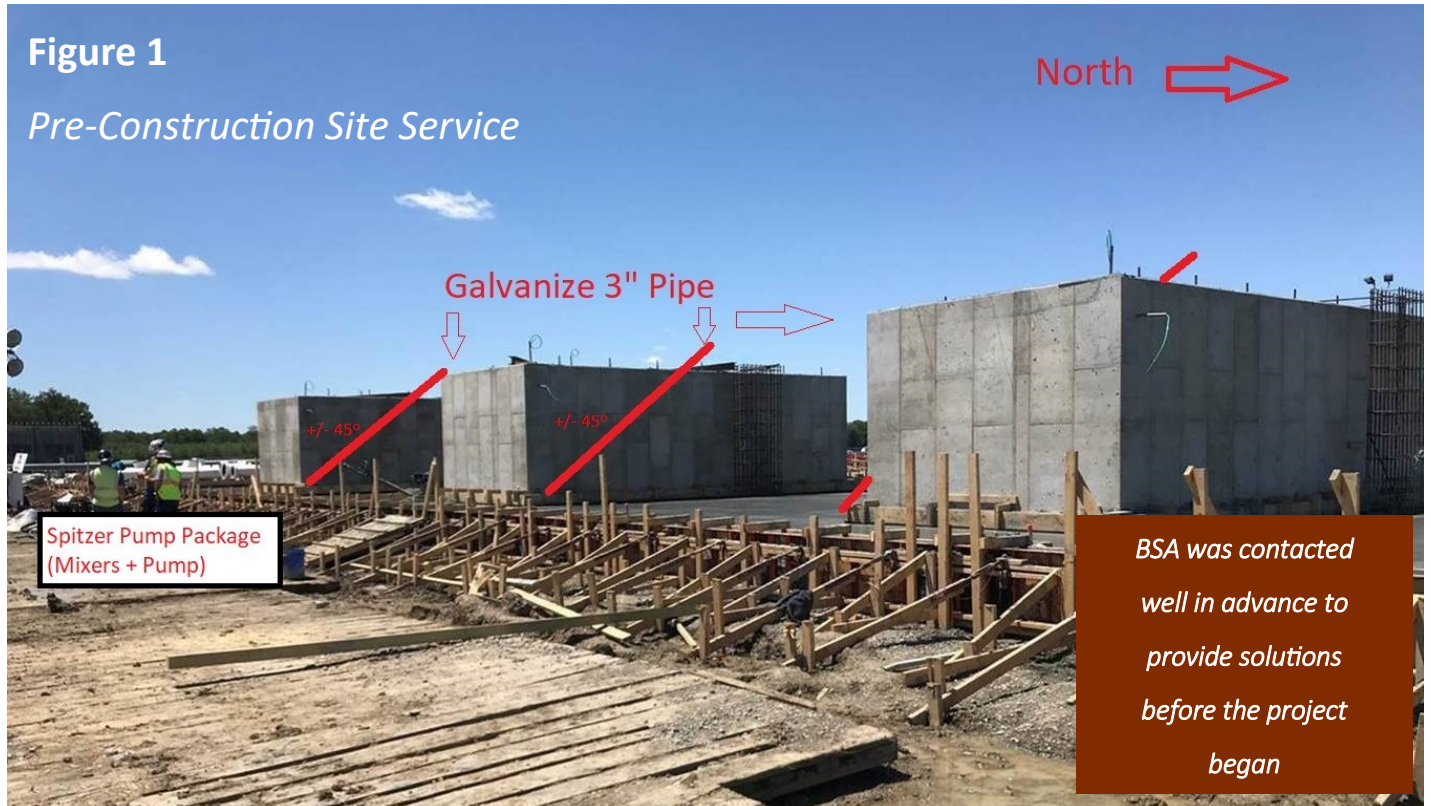
(NGL), and operates about 9,500 miles of crude oil pipelines. Additionally, they cover almost 40 states and employ over 12,000 people.

**Overview:** Due to decades of a successful partnership with this client, Bill Spitzer & Associates (BSA) was asked to join their project team for a critical energy infrastructure project to reduce installation time, enhance constructability and reduce schedule. Three 6,000 hp pump skids were to be installed using epoxy grout with the intention of preserving critical shaft alignment and providing the best possible foundation for reliability and performance. The BSA pre-construction site service allowed proper assessment of the physical working environment and the other critical path constraints. It was decided that pumping Chockfast® Red would meet the needs of the project for a cost-effective solution.



# Figure 1

## Pre-Construction Site Service



**Before:**

Pre-Construction On-Site Field Service Visit

- Introduced BSA to all parties
- Examined equipment & foundation design
- Performed site walk & provided jobsite specific proposals
- Reviewed schedule & constructability constraints

- Assisted in development of Material Take-Offs (MTO)
- Provided grout pumping layout options, methods, and costs
- Developed weather contingencies
- Created site specific proposal of Figure 1 layout and needs



**During:**

- Verified proper foundation preparations, pour depths, configurations, & formwork
- Supervised grout mixing, pumping, placing, & sequencing
- Delayed epoxy grouting for weather concerns

- Consulted with the contractor to develop proper timing for each lift of the skid lock-in & fill
- Assured proper technique for placement of grout to ensure proper effective bearing area contact between skid & grout
- Provided guidance for proper cleanup a& disposal methods of waste

*BSA was contacted well in advance to provide solutions before the project began*



*Before pumping  
Chockfast® Red,  
consult with experts  
like Bill Spitzer &  
Associates*



**After:**

- Provided post-grout placement documentation, technical data sheets, completed checklists, and material safety data sheets
- Performed lessons-learned overview
- Credited client unused and unopened units
- Reviewed final installed and completed product



**Solutions:** Besides helping the customer pump 670 units of Chockfast® Red 100 ft. and vertically 10 ft, Bill Spitzer & Associates (BSA) arranged a successful

project before it all began. The pre-construction site visit exposed minor issues before they became major epoxy grouting problems. Additionally, BSA

equipped the project with expansion joints, paste wax, pumping parts, buckets, and IXT-59 solvent. The uniquely specialized concepts of epoxy grouting can be simplified with BSA differentiated expertise. Also, BSA fosters engineers, owners, and contractors to become more profitable, timely, and productive.



## BILL SPITZER & ASSOCIATES

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## OTHER WAREHOUSES / BRANCHES

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Dallas, TX (281) 409-6845

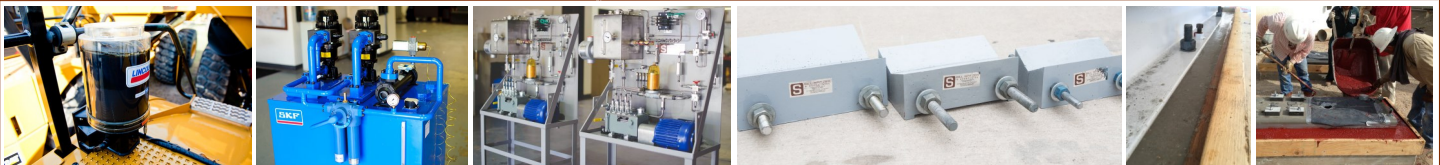
Odessa, TX (817) 456-7417



*We exist to take care of customers*

<http://www.billspitzerassoc.com/>

## CORE PRODUCT PARTNERS:



## Our Story

Bill Spitzer and Associates, Inc. (BSA) was founded in 1978 by Bill Spitzer, Shirley Spitzer, and Jim Mosebrook with a primary focus on servicing reciprocating compression equipment used in the pipeline, oil and gas, petrochemical, and refining markets. Lincoln Lubrication Systems, ITW foundation products (Previously Philadelphia Resins), and Spitzer Enterprises air filtration systems were the primary product lines. The addition of Alemite Oil Mist systems, Superbolt technologies, specialty ready mix concrete designs, industrial coatings, and anchor

bolt products created opportunities to expand into a wider variety of new markets: food and beverage, heavy and light manufacturing, construction, over the road equipment, liquified natural gas (LNG), oil well servicing equipment, pulp and paper, power generation, railways, and many more. We continue to support these markets with an evolving portfolio of products and services.

*We proudly serve NM, TX,  
LA, MS, AL, GA, SC, & FL*

Currently, BSA still employs a small business mindset that started back in 1978; however, BSA has methodically grown and integrated competitive advantages, differentiation, modernization, and technological advancements. Connor Spitzer, 3<sup>rd</sup> generation, commenced his leadership in 2014 to merge an "old school" mentality with an improved focus on continuous process improvement and strategic planning methods. All of these adaptations are performed with one goal in mind, ensuring customers receive the best possible service and support found everyday.