



J.T. THORPE & SON, Inc
Established 1906
ENGINEERS and CONTRACTORS



Refinery Major Plantwide TA

(every 4 years)

January 2011

Description: The plant wide shutdown included major refractory maintenance to their Fluid Coker, FCCU, H2U(H2 Furnace), SGU, CFH, ALKY, HCU, NRU, Pipestills, and Utilities.

Scope: Our scope consisted of the entire spectrum of refractory installation types. We designed, supplied and installed modules (Z-blok on the sidewall and Pyrobloc on the roof) in the Hydrogen Furnace, 90% alumina brick and pre-fabricated nozzle tile in the sulfur reactor, gunite in the fluid coker, prekrete G8 in the drums everywhere, etc.

Our scope expanded to 27,000 man-hours, which JTT handled successfully bringing required equipment and skilled manpower to meet the need and schedule. A significant load was also placed on JTT to meet the expanded material requirement, which JTT did to keep the job running without interruption. JTT had coordinated material deliveries 2-3 times per day for 3 weeks to handle the very fluid increase in scope.

Safety: 0 Recordables and 3 first aids.

