



REFINERY TURNAROUND

CLIENT - Shell

LOCATION - Deer Park, TX

COMPLETED - 2015

DESCRIPTION

Matrix Service was contracted to expand the infrastructure at the Shell Deer Park Refinery in early May of 2015. Additionally, Matrix replaced the drums on the single derrick, two drum structure. There was an extensive pre-turnaround period in which Matrix expanded the existing structure to prepare for the installation of the new coke drums, which were 18" in diameter greater than the current drums. This period consisted of relocating and replacing existing beams and structural members, installing breakout spools for easy removal, cutting and replacing grating and floor plate that would remain permanent in the structure after the replacement of the drums, as well as installing beams and devices "Banana Effect" that would be pertinent to the safe removal of the derrick, and eventually both drums.

PRINCIPAL FEATURES

- Infrastructure expansion and coke drum replacement
- Replacement drums were 18" greater in diameter than existing drums
- Installation of 2 new 6" 2500# flanges due to line erosion
- Existing drums: 890K lbs each
- New drums: 1.1MM lbs each
- Fabrication and installation of 2 new 9cr 14" spools

FOR MORE INFORMATION:

matrixservice.com | 866 367 6879



MATRIX SERVICE