



Dehydration System Overhaul

Beta Offshore Production Complex, Platform Elly, Long Beach, California
Client: Beta Offshore

As part of the effort to return offshore Platform Eureka to production, Beta Offshore required assistance to renovate and return the “B” Oil Dehydration Train to full operation. The dehydration train was idle and out of service for over 6 years and is critical to handling and processing increased oil production from Platform Eureka and Ellen.

DPSI’s scope of work included:

- Investigation, evaluation, planning, and construction management of the renovation and return to operation of the dehydration train
- The UT inspection and “Fit-For-Service” engineering evaluation of the system
- Locating, qualifying, and selecting contractors
- Oversight of the confined space entry and safety program
- Development and monitoring of the construction schedule
- Development and tracking of the project budget
- Facilitation of start-up and testing activities between contractor and platform personnel
- Coordination of daily construction activities

On-site supervision of the contractors work included:

- Cleaning, sandblasting, ASME Code vessel shell repair, re-coating of the vessels, repair and reinstallation of heat exchangers, repair of the mechanical piping and cathodic protection, the upgrade/replacement of the control systems, and the start-up & testing for the return of this critical system to full operation.