



Repair of the 10-inch Riser on the Subsea Gas Transmission Pipeline

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

A “smart-pigging” of the 10-inch gas pipeline from Eureka to Elly indicated serious corrosion in one section of the riser pipe just below the 14 Deck, in the surf zone of Elly. In order to obtain full approval from the BOEMRE for the return to production of Eureka, Beta Offshore was required to repair and reinforce this section of “J” Tube and riser pipe.

DPSI’s scope of work included:

- Evaluation of the “smart pigging” results
- Conducting of a UT inspection of the suspected area of corrosion and wall loss
- Design a reinforcement / repair plan to correct this deficiency to meet API 1104 and BOEMRE requirements
- Prepared the repair plan
- Designed the required structural support plan for the “J” Tube
- Negotiated the approved implementation with the BOEMRE
- Selected the API 1104 certified contractor
- Ordered materials and supervised installation of this fast track repair in accordance with API 1104
- Prepared final report for submission to the BOEMRE for their review and approval

This reinforcement / repair was performed during the low tide times, in rough seas and high winds, and still completed on time to facilitate the RTP of Eureka.