



Noble Energy 2009 – 2013 Subsea Project Management

Client Background

Noble Energy Mediterranean – TAMAR Natural Gas Development

Project Description

DSS C&E was engaged by Noble Energy in 2009 to assist in the development of the *Tamar* field in the Israeli Mediterranean Sea. DSS C&E provided [project management] and [construction management] services from December 2009 to April 2013 and all assignments were successfully executed. Development of *Tamar* included five subsea wells in approximately 1,700 msw capable of flowing 250 Mmcf/d of natural gas each. Production is gathered at the field and delivered via two 16-inch flowlines to a new platform constructed adjacent to the existing *Mari-B* structure. The *Tamar* platform tied into the existing 30-inch pipeline that delivers natural gas to the Ashdod onshore receiving terminal, with an initial processing capacity up to 1.0 billion cubic feet of natural gas per day.

Solution

Umbilical and Jumper Installation Lead: Managed the contractors executing Work Package 4 through 7. Supported negotiation, management, and execution of the contract; reviewed and approved welding procedures, installation procedures, and equipment; supervised the Scope of Work coordination, daily operations, and ensured proper documentation of actions, risks and results.

Pre-Commissioning Lead: Developed a detailed pre-commissioning scope of work, prepared bid packages for subcontractors, normalized and evaluated bid tenders, made recommendation on preferred subcontractor, managed the pre-commissioning subcontract.

Commissioning Engineer: Offshore oversight of the pre-commissioning contractor to verify compliance with Client approved procedures and verification of hydrotesting and drying reports.

Subsea Installation / Construction Lead: Oversight of the installation contractor: Rigid Pipe and Flexible Jumper Fabrication/Installation; Suction Pile Fabrication/Installation; Manifold/Structures Installations; Umbilical Pull-Ins/Installations; Steel Flying Leads, Electrical and Fiber Optic Flying Leads; oversight on the Diving Subcontractor during spool piece tie-ins.

Metrics

- Estimated project capital expenditure \$3 Billion
- Project Duration approximately three (3) years
- Key Contacts: George Hatfield, Noble Energy

Results

Successfully managed multiple disciplines to overcome project challenges to deliver superior results to the client.

