

# / Expro Excellence

## Well Testing

Expro deliver ultra-high-rate gas well testing offshore Israel



### Objectives

- Expro contacted to provide ultra-high-rate gas flow back, sampling and measurement services for Noble Energy's Tamar Field (offshore Israel) - remote location, critical well, with water depths in excess of 2,000 meters

### Expro Excellence

- Expro was awarded the subsea and well testing scope of work, as well as Isokinetic sampling services for the project
- Superior technology in large bore EH subsea landing stings as well as proven success record with problem solving well testing solutions
- Coordinated approach in supplying various services across the following Expro product lines: Well Testing, Subsea and Fluids – Expro commitment included a dedicated operations coordinator in Haifa to liaise with Noble during the preparation process

- Undertook thorough planning and preparation with Noble Energy to ensure all equipment was prepared and tested to the highest standard – approximately 55 trailers of equipment prior to shipping to Haifa Port, Israel
- New benchmarks set with regards to quality and excellence in delivery

### Value to client

- 5 wells cleaned up with gas production rates of up to 125 MMSCF/d prior to subsea hook-up and commissioning
- Completions installed with minimal operational issues (average NPT across project approx. 4%)
- Production commenced in March 2013

Unique high rate gas differentiators include:

- Mega-flow test separator (175 MMSCF/d)
- Full onsite fluid sampling and measurement provided by IsoSplit®
- 7" 10K large bore subsea test trees combined with 6" surface equipment to deliver
- EDGE-X system for transmission of real time data

### Technical paper reference

J.Healy, SPE; J. Sanford, SPE; K. Dufrene, SPE; J. Fink, SPE; D. Reeves, Donald Reeves, SPE; T Hopper, SPE, Noble Energy Inc, "Design, Installation, and Initial Performance of Ultra-High-Rate Gas Deepwater Completions – Tamar Field, Offshore Israel", SPE 166368, SPE Annual Technical Conference and Exhibition, New Orleans, Louisiana, USA (30 September – 2 October 2013)

Following two years of commitment, planning and hard work from the Expro team, operations were ready to start on this important project giving Expro the opportunity to showcase that we are the leading solutions provider in this industry.

**Edwin Schooli**

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Expro

### Contact

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