

## Expro Excellence

# Expro drilled and set 13-3/8" Casing, 17 hours ahead of schedule and saves 17 hours delivering CwD services with FA-1

## Well Construction | TRS – Casing Technologies



### Objectives and background

- The customer was looking to reduce drilling time and enhance the efficiency of the well construction in a shallow-water exploration well

### Expro Excellence

- Expro provided hydraulic and torque and drag engineering analysis
- Expro was able to perform the drilling operations with a robust hydraulic casing running tool (CRT) FA-1 – 14"
- Expro provided CwD service to drill and case the hole, simultaneously

### Value to the client

- We reached TD 17 hours ahead of the customer schedule without any NPT and managed to save costs for the customer
- Drilling through hard stingers and managed to case and cement the hole section in a single trip, without mobilizing a full drilling BHA and its related consumable components
- Utilization of Expro's Tubular Running Services' FA-1 Hydraulic CRT enabled a seamless drilling process from remote pick up of casing from the V-Door, connector make-up and torque monitoring, fill-up, reciprocation and drilling
- The FA-1's intelligent interlock system, providing safety interlock and remote driller visibility of status of the spider, the CRT, single joint manipulator, and single-joint elevator reduced manual handling and kept personnel away from the red zone, while enhancing communication between the drilling and casing crews

### Project Highlights:

**Operator:**  
Malaysian Oil and Gas operator

**Location:**  
Offshore Sarawak

**Type:**  
Exploration well

**Lithology:**  
Claystone, sandstone

**Hole size:**  
17", 1.24°

**Depth:** In 247.04m MD  
Out: 677.05 MD

**Drilling interval:**  
430.01m MD

**Casing:**  
13-3/8", 68ppf, L80 VamTop connection

**Mud:**  
PHB/Water based mud

**TFA:**  
1.503 In<sup>2</sup> (10 x 14/32")

**WOB:**  
1-18 klbs

**RPM:**  
60-80

**Torque:**  
1-8kfts-lbs

**Flow:**  
600-900 gpm

**Spp:**  
573-1,116 psi

**Service:**  
CwD Services, CRT FA-1 14" and TRS Handling gears

### Safety



### Decreased costs

