

HISTORICAL DATA 4 2018

TEMS
INTERNATIONAL

TEMS International is an independent provider of environmental management and compliance services to the global oil and gas industry. Our services are focused on managing and optimising drilling performance and drilling waste in real time, while ensuring an asset remains in environmental compliance. Ultimately, our experienced team aims to reduce drilling costs and ensure legislative compliance targets are met or exceeded.

- Location: **Deepwater, Offshore Trinidad and Tobago**
- Project date: **October 2018**
- Drilling duration: **20 days**
- Total footage drilled: **3,758ft**
- Total estimated saving: **\$83,829**
- Estimated SBM savings: **255 barrels**
- Shaker screens repaired: **15**

OUTLINE

TEMS International supported an independent global exploration and production company during the drilling of an exploratory deepwater well in offshore Trinidad and Tobago. The project was undertaken in October 2018 and lasted 20 days with no hydrocarbons being encountered. During the project, TEMS International engineers oversaw around 3,750ft of drilling.

TEMS International provided its drilling performance management and optimisation, and continuous environmental compliance legislation services during the project. Prior to the project commencing, TEMS International engineers conducted an extensive audit to identify potential issues regarding the containment of drilling fluids, diesel fuel and other hydrocarbons used in the daily operations onboard the rig. The noted issues were resolved prior to and during drilling operations, depending on their seriousness.

The overall aims of the project were to:

- Achieve governmental oil on wet cuttings (OOWC) limitations
- Optimise solids control equipment to deliver maximum solids removal with minimum liquid retention
- Reduce synthetic based mud surface consumption
- Reduce shaker screen consumption
- Minimise environmental impact

SERVICES DELIVERED

Drilling performance management and optimisation

A process approach to drilling performance management that adds value to the entire drilling process. The service aims to ensure more effective and efficient drilling – reducing drilling days – through optimised fluid management and effective solids control management with the overriding proviso of safety and environmental protection.

Continuous environmental compliance legislation

Leading guidance on environmental compliance, prior to and for the duration of a drilling campaign. The comprehensive technical services and environmental consultancy enable well planners to ensure permits are in place, and that drilling operations keep pace with, or exceed, the evolving compliance regulations of drilling locations.

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|-----------------|------------------------------------|
| 256 | Fewer barrels of mud used |
| \$76,959 | Saved on mud costs |
| 15 | Shaker screens repaired |
| \$3,870 | Saved by repairing screens |
| 4.21% | Average OOWC value achieved |