

# Eni Oil do Brasil

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## **Subject – Technical Limits Workshops for Eni Oil do Brasil’s Belmonte 3 Project**

To Whom It May Concern;

Dave Taylor of RP<sup>2</sup> was contracted by Eni Oil do Brasil to provide Technical Limit Workshops for our Belmonte 3 project in 2009. The project required preparing an operations team who had never worked in Brasil for a deepwater, HTHP well test of an unconventional tight gas sand that would require fracturing to establish commerciality. Dave’s company was selected using the normal bid process. The selection was based upon his knowledge of operations and structure of the proposal. I personally had never used his service before and have been a big proponent of one of his competitors. Nevertheless, I ventured out of my comfort zone and was impressed by his ability to perform the tasks we had envisioned in an energetic and stimulating manner.

My goal for this project was to avoid past problems and build an operations team that focused on communications within Eni and with Service Providers. I did believe we could do better than past exploration wells in terms of performance while meeting both local and corporate HSE goals. Previous Eni offset wells were lost due to shallow water flow at great expense. In addition LTI’s had occurred during each of the previous operations. In order to accomplish building a team, a foundation was built first with a Supervisory Alignment Meeting, then a DWOP was held with supervisors and service providers for the drilling operations and finally a CWOP was held prior to the well test.

Overall, I believe the meetings accomplished the goals set out. The project was completed with no major safety events resulting in injury and the equipment accidents were used in a productive manner to highlight potential and improve processes. The well was drilled and logged without recurrence of previous catastrophic events and with faster drilling rates. In the end, the well test was performed with dedicated rig crews and service providers challenged with minimum deck space and very limited quarters for this type of operation. Dave did not supply rig site service due to the limited quarters, however, if there had been room or Eni had a sustainable program, this service would have been added.

Eni engineers were somewhat skeptical of the purpose of these meetings. It was their first time to be exposed to a Supervisor Alignment Meeting, DWOP and CWOP. Initially they thought the SAM was too philosophical because it focused on operating principles and communications and not on how to construct the well. However, it was necessary since no one in the project had worked together previously. So in essence the SAM set the ground rules for operations as well as goals for the DWOP & CWOP. The 2<sup>nd</sup> day of SAM included the service provider coordinators who were indoctrinated into a unified Eni Team who were able to consistently convey expectations for the DWOP and upcoming operation. In the end Eni Operations & HSE management as well as service providers found it helpful to become acquainted prior to the DWOP.

The DWOP and CWOP meeting were held with full service provider crews attending. The meetings focused on the usual details of the well plan, operation protocol and HSE requirements. Eni’s HSE department found it very helpful since it fulfilled basic Brazilian Training Requirements and established a free flow of information between Operations, Service Providers and HSE.

I hope this testimonial provides support for the value of this service for future operations. In the end, performance is always measured but all too often goals and objectives are not fully understood.

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Well Operations Manager  
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