

Thank You, Murphy Oil.

As one of *Offshore* magazine's Top 5 field development projects in 2007, your breakthrough discovery and development of offshore Malaysia's Kikeh oil field is taking the industry to a new, undiscovered level.

Offshore Malaysia is host to many firsts in our industry. As featured in *Offshore*'s 'fields of firsts' article, Kikeh's firsts included the first deepwater development in offshore Malaysia. At a water depth of 1,400 meters (4,600 feet), the extreme pressure made material selections for the subsea system challenging.

ATI Allegheny Ludlum is proud to have been a part of the material solution. Our innovative **ATI 2003™ Lean Duplex Alloy** (UNS S32003) was used in the flexible pipe for the subsea flow lines. With more than double the yield strength in applications under high pressure, superior corrosion resistance and higher strength compared to type 316L, **ATI 2003 alloy** was chosen for this pioneering project.

We have long been a major producer and supplier of Corrosion Resistant Alloys (CRA's) for oil & gas applications. In down-hole, top side, subsea, downstream refining and even unconventional methods, such as the oil sands and ethanol projects, you will find our metals being used to meet the most demanding environments. And, at ATI Allegheny Ludlum, we continue to develop new alloy alternatives such as **ATI 2003 Lean Duplex Alloy** that better serve the challenges of new discoveries, such as Kikeh.

Again, thank you, Murphy Oil. Through your vision, the industry is heading to a new depth.

For more information about **ATI 2003 Lean Duplex Alloy** or other CRA's, contact us at DHasek@AlleghenyLudlum.com, or visit www.AlleghenyTechnologies.com.

