



Boulogne, France – 29th June, 2004

## Expandable tubulars for Shell Sarawak Berhad



Late April to early May, the world's first 7-5/8" 13Cr solid expandable tubular was run for Shell Sarawak Berhad (SSB). Two jobs were performed in the F23 gas field, located in the Central Luconia carbonate province, some 178 km NNW of Bintulu, Sarawak, Malaysia, in a water depth of 280 ft. During the F23-109 & F23-112 work-over a respective length of 3000ft & 1500ft of expandable tubular casing was successfully installed.

The 7 5/8" VAM ET-NB connection is an improvement of the existing 6" VAM ET-NA, which was run for NAM in September 2002, in the Groningen field. The 6" and 7 5/8" L80 13CR seamless pipes were manufactured by V&M plants : respectively Mulheim (Germany) & Deville-lès-Rouen (France). This order was entirely managed by VMOG-UK, who handled the responsibility of coordinating all the sub-contractors. Clydesdale plant (near Glasgow) machined the main part of the order using the production line they installed in October last year.



The 4500ft were run under supervision of VFSI, at the expected running rate and with only a single reject on the hundred connections made up. The existing 7" completion was retrieved and replaced by the Expandable. The full strings were expanded by roughly 12%, against the 9 5/8" casing, leading to a 7.5" post-expanded production internal diameter. The 2 wells in the F23 Sarawak gas field were successfully re-completed resulting in an increase in well capacity of 50%.

During these jobs V&M has demonstrated once again its ability to develop, manufacture, supply & support the oil industry with efficient gas tight expandable products.