



Weatherford has record completion

Weatherford International achieved a world record 15,100 ft horizontal open hole completion and deployed the sand screen for ChevronTexaco in the North Sea Captain field, block 13/22a. The well's aspect ratio was gauged at 15,100 feet, 4,000 ft longer than prior completions in the area, with a total vertical depth (TVD) of 2,800 ft.

Weatherford LoDRAG™ centralizers, Completion Running String (CRS) tools

and LoTAD™ subs were applied to reduce friction and extend the reach of the high angle well and contributed to the achievement. Plans are underway to use this package on 16 additional wells being drilled by Transocean's semisubmersible Sedco 704. The sand screens in well 13/22a-B10y were landed out with 65Klb remaining above block weight offering the possibility to extend the reach farther on subsequent wells. ■

Mobil awards subsea contracts

FMC Energy Systems was awarded a contract from ExxonMobil subsidiary Mobil Equatorial Guinea for 19 subsea trees, five HOST (hinge-over subsea template) and production manifold systems, a water injection manifold, topside and subsea control systems and related equipment and services.

The equipment is for the operator's Zafiro field southern expansion area project. The

contract is valued at about \$100 million. Equipment deliveries commenced last March.

Additionally, Technip-Coflexip was contracted by Mobil Equatorial Guinea for the procurement, fabrication and installation of more than 48 km of flexible and rigid subsea pipelines for the field. Technip-Coflexip will also procure and install 17 flexible jumpers and two SLED. ■

Bardex receives mooring contract

Bardex Corp was contracted by BP America Production Co to supply the linear chain jack mooring system for BP's Thunder Horse deepwater development project in the Gulf of Mexico. The mooring equipment will be used on the world's largest steel production, drilling and quarters semisubmersible under construction in Korea. The mooring system consists of

16 hydraulically actuated linear chain jack assemblies arranged in four group, four hydraulic power units, a programmable logic controller assembly and four local control stations in control cabins. Delivery of the mooring system is set for fourth quarter 2002. Initial production is expected by early 2005. ■

Grant Prideco contract

The company's Plexus Deepwater Technologies Division was awarded a contract by Shell Deepwater Services to investigate the operational advantages and enabling aspects of POS-GRIP technology for deepwater drilling and completion systems. POS-GRIP Technology is a method whereby an outer housing is elastically deflected inward to grip a mandrel inside it and achieve very high axial load capacities through friction. This eliminates the requirement for a landing shoulder and allows adjustability and facilities sealing. The contract includes consideration of surface wellhead, riser system and subsea wellhead design. ■

Record expandable tubular

Sarawak Shell Berha, PETRONAS Carigali and Enventure Global Technologies installed a record-length solid expandable tubular (SET) system in a Malaysian well with the installation of 4,504 ft of 7 5/8-in. expandable cased hole liner inside 9 5/8-in casing. This was expanded to 8.54-in OD to replace the existing tubular with larger production conduit.

The project also resulted in four other "firsts", including the first SET application used to increase production in tubing constrained gas well; the first SET technology application in the Asia region; the first SET to utilize a wireline retrievable plug; and Shell's first cased-hole liner.

Smedvig's West Pelaut semisubmersible was used to run the 4,504 ft of casing to a depth of approximately 5,000 ft. The system was then expanded using propagation pressures of about 2,100 psi and pressure tested at 1,600 psi for 15 minutes per operator and regulatory requirements. Post expansion ID was 7.8-in. compared with pre-expansion diameter of 6.2-in. ■

International



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