

EMERGING TECHNOLOGY

- **Cameron's** multiple-application reinjection system (MARS) and production-optimization simulation software (POSSibilities) were successfully used as part of the BP King multiphase pumping project in the Gulf of Mexico (GOM). MARS enables processing-equipment modules to be installed on any subsea tree at any time and provides a universal interface. The software is used to compare numerous production-optimization solutions and configurations throughout the life of the field to determine an optimum solution.
- **Frank's International** installed an onshore drilling rig at its Aberdeen office. The rig is the first of its kind in the northeast of Scotland that is dedicated to tubular-installation-technology training and the development of offshore mechanization in the North Sea. The 105-ft rig was commissioned as a major platform to provide hands-on safety training for Frank's International offshore technicians as well as developing technology for improving well center safety for tubular-handling operations for export to the oil and gas industry.
- **Petrobras** signed an exploration and production technology-sharing and -development agreement with **StatoilHydro**. The agreement will allow both companies to improve their operating techniques for deepwater production, for oil and gas processing, and for distance follow-up using digital means, and it will be in effect for 5 years.

MERGERS AND ACQUISITIONS

- **Pioneer Natural Resources** closed three acquisitions, expanding its position in the Spraberry and Raton fields and gaining additional acreage in the Barnett shale. Pioneer invested USD 295 million to expand its Raton and Spraberry field holdings. The company invested USD 150 million in the Barnett shale. These three acquisitions add more than 1,000 drilling locations and approximately 140 million BOE of resource potential.

- **Schlumberger** acquired the exclusive distribution rights to the oil and gas sector for map-based geographic-information search technologies from **MetaCarta**. MetaCarta search technology combines map-driven geographic search, geographic referencing, temporal filtering, and data-visualization capabilities.

CONTRACTS AND TENDERS

- **Chevron's** main Chinese subsidiary signed a 30-year production-sharing contract with **China National Petroleum Corporation** for the joint development of the Chuandongbei natural-gas area in central China. The Chuandongbei gas-development area covers 2000 km² in Sichuan province and includes the Tieshanpo, Dukouhe-Qilibei, and Luojiashai gas fields, with an estimated resource base of 5 Tcf of natural gas.
- **Intec Engineering** was awarded a global contract by **BP** for the provision of engineering and project-management services for BP subsea-facility projects over a 6-year term. Intec will provide subsea services on a call-off basis, with specific requirements and tasks tailored for each project.
- **TNK-BP** was awarded long-term contracts totaling more than USD 3 billion for drilling and workovers, including USD 1 billion in long-term contracts for TNK-BP's own drilling and workover companies. The contracts include 53 long-term drilling- and sidetracking-rig contracts, 211 long-term workover-rig contracts, 26 additional new drilling and sidetracking rigs, and two international companies, **Weatherford** and **Nabors**, introduced into the west Siberian drilling market to increase competition and introduce international technology and standards into the Russian market.
- **Petro-Canada** signed binding heads of agreement with **Libyan National Oil Corporation (NOC)** to convert its existing participation agreements and old exploration/production-sharing agree-

ments to six new agreements. This will enable Petro-Canada to design and implement jointly with NOC the redevelopment of major fields and exploration programs in the Sirte basin.

- **Rosneft** awarded **Halliburton's** completion and production division a multimillion-dollar contract for the provision of hydraulic-fracturing services for 317 oil wells in Russia's Priobskoye field in 2008. Located in western Siberia on the banks of the Ob River, the field comprises 5446 km².
- **C&C Technologies do Brazil**, a subsidiary of **C&C Technologies**, was awarded two linked contracts from **Petrobras**, one for chartering the remotely operated vehicle (ROV) *Emma McCall* and the other to supply services to operate that vessel and support oceanographic-data acquisition along the coast of Brazil. Services include the collection of oceanographic parameters to support the design and installation of offshore structures and pipelines.
- **Subsea 7**, through its **I-Tech** division, was awarded numerous contracts with a total value of USD 15 million. I-Tech was awarded two contracts with terms of 3 and 5 years by **Petrobras** for the provision of ROV services onboard two semi-submersible drilling rigs relocating from the GOM to work offshore Brazil. **Larsen Oil and Gas** selected I-Tech to provide ROV services for a 2.5-year term onboard a semi-submersible offshore Mexico. I-Tech also secured a 1-year contract for the supply of ROV and tooling services onboard a recently upgraded drillship for work offshore West Africa and in the Mediterranean Sea.
- **PetroChina** signed a technology cooperation agreement with **KNOC** covering exploration at Daqing field. The two companies will conduct feasibility studies and draft exploration plans for blocks in the field, which is located in northeast China in Heilongjiang province. The field produced 43.4 million tons of crude oil in 2006. **JPT**

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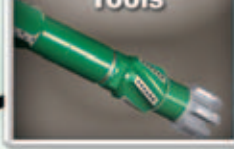
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