

EMERGING TECHNOLOGY

- **Shell UK** installed the first of three subsea multiple application reinjection system (MARS) interfaces on its Bittern field in the North Sea. The system is being adopted by Shell as part of its enhanced oil recovery strategy for the region. Shell is now able to complete reservoir stimulation/scale squeeze operations from a remotely operated vehicle support vessel without the need for mobile offshore drilling unit or diving support. MARS is a **Cameron** technology, supplied by **DES Operations**.
- **PathFinder Energy** tested and commercially deployed the iFinder Density Imaging Service, which produces borehole images of bulk density, photoelectric index, and ultrasonic standoff. The primary measurement of the iFinder Service is bulk density imaging. Bulk density images are a graphical representation of the variation of bulk density around the circumference of the borehole.
- **IHS** and **Energistics** launched a service that delivers an industry standard for global unique well identifiers (GUWI) for all known oil and gas wells outside North America. The IHS/Energistics GUWI service delivers the first common method for identifying wells, and is designed to save companies time and money when trying to find and match well data from multiple sources based on varying criteria.
- The Advanced Energy Consortium, a research consortium managed by the Bureau of Economic Geology at the **University of Texas at Austin's** Jackson School of Geosciences, has issued a request for proposals to develop micro- and nanoscale technology for enhanced reservoir characterization and hydrocarbon detection in conventional oil and gas reservoirs with the ultimate goal

of increasing hydrocarbon recovery from known fields. The consortium expects to fund USD 6–7 million in grants this year on micro- and nanosensor research and enabling technologies.

MERGERS AND ACQUISITIONS

- **Schlumberger** acquired **Staag Imaging**, a Houston-based provider of imaging technologies for seismic data processing. Staag will become part of the Schlumberger WesternGeco business unit. Schlumberger also acquired **Extreme Engineering**, a Calgary-based supplier of unmanned measurement-while-drilling systems. Extreme Engineering will continue to operate under its own brand and maintain major operational bases in Calgary, Denver, and Fort Worth, Texas.

CORPORATE MOVES

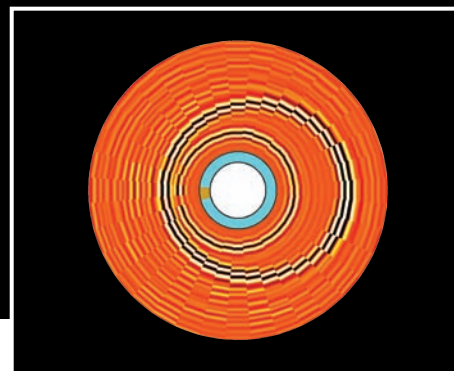
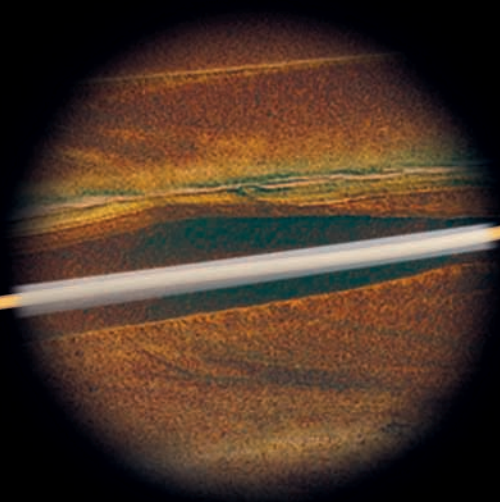
- **Wellbore Energy Solutions** (WES) completed its corporate office and warehouse facility in Broussard, Louisiana. The facility allows for continued expansion of WES' inventory and the serviceability of its wellbore cleanout and displacement tools.
- **Alcoa** announced the creation of a new division, Alcoa Oil & Gas, which will provide ultralight drilling technologies, custom-engineered forged products, and specialized manufacturing capabilities for the upstream industry.

CONTRACTS AND TENDERS

- **Occidental Petroleum** signed full 30-year agreements with the Libyan **National Oil Company** (NOC) to upgrade its existing petroleum contracts. The agreements, which cover fields with approximately 2.5 billion bbl of recoverable reserves, allow NOC and Occidental to design and implement field redevelopment and exploration programs in the Sirte basin.

- **SMOE**, a subsidiary of **Sembcorp Marine**, secured a contract worth USD 400 million from **Maersk Oil and Gas** for the construction of a HBD platform to be installed in the Danish sector of the North Sea. The contract includes the provision of engineering, procurement, construction, onshore commissioning, load-out, and seafastening services for the HBD jacket, piles, topsides, flare, and three connecting bridges for the Halfdan Phase IV development project.
- **FMC Technologies** signed a 5-year agreement with **ConocoPhillips Scandinavia** for the supply of subsea equipment and services for a water-injection development in the Ekofisk field. The development is a replacement of the existing Ekofisk 2/4 W injection platform at the southern part of the Ekofisk complex. FMC Technologies also signed a contract with **StatoilHydro** for the manufacture and supply of additional subsea equipment for its Norne field development, located in the Norwegian Sea.
- **Weatherford** and **Petrowell** entered a manufacturing and distribution arrangement aimed at bringing emerging reservoir completion technology to the marketplace. Under the agreement, Weatherford and Petrowell will develop completion tools and systems that Weatherford will manufacture, sell, and service.
- **Oceaneering International** was awarded a contract by **Shell** for the fabrication and installation of subsea hardware for Shell's ultradeepwater Perdido Regional development project located approximately 200 miles south of Freeport, Texas, in water depths greater than 7,800 ft, in the US Gulf of Mexico. This hardware includes 29 flowline and well jumper spools, a pipeline tie-in sled, and related products. **JPT**

Does your cement job need a seal of approval?



The new Isolation Scanner* cement evaluation service enables accurate cement evaluation in traditional, heavy, and new-generation lightweight and foam cements.

By measuring radially and deeper toward the formation, Isolation Scanner service confirms zonal isolation, pinpoints channels in the cement, and ensures confident squeeze or no-squeeze decisions. In addition, due to its depth of investigation, Isolation Scanner service provides detailed information about casing and casing-within-casing eccentricity, while its ID and thickness measurements identify corrosion or drilling-induced wear.

Get the depth of information required to optimize future cement job designs, increase efficiency, and mitigate risk. Set the seal on cementing success.

Understand your risk

Isolation Scanner

www.slb.com/understand

Schlumberger