INDUSTRY Pulse

Critical Energy Strategy: The most recent economic downturn is a peak oil recession

Werld View

Executive Interview: Black Marlin Energy's **Jeff Hume**



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Book Review

Energy policy overwhelms China

Energy demand within China has defined the country's goals, but the domestic energy policy has failed to keep pace with China's evolution.

Electromagnetics

Electromagnetics takes on deepwater risk

Integrating seismic with non-seismic techniques has proven to lower exploration risk, particularly in deepwater frontiers where challenges, logistics, and costs can be formidable.

Unlocking the value of CSEM

EM data are at their most useful when integrated with other data types.

3-D EM addresses exploration challenges

Technique helps reduce risk in GoM projects.

Multizone Completions

Innovations improve reliability of frac sleeve completions

A systematic approach to design, manufacturing and operations creates new reasons to deploy frac sleeve completions in multizone horizontal wells.

New swellable packer technology speeds completions in multizone wells

Higher pressure ratings and shorter packer lengths add value to customized frac completions.

Production Optimization

Sine of the future

New technology variable speed drives extend electrical submersible pump life while cutting operational costs.

And the list goes on

Expandable technology helps operators get more out of their wells at a time when higher productivity is number one on the priority list.

When is a hole more than a hole?

Many operators, especially those drilling in the shale gas plays, are finding out that there's a big difference between perforating for production and perforating for stimulation.

Middle East Operations

The Middle East remains a heavyweight in the upstream arena

Though exploration activity has fallen off, a number of countries in the region are opening licensing rounds to encourage more outside investors. Sizable new discoveries indicate the region is still very prospective.

Fluid design solves shale instability problem

66 Integrating geomechanics with drilling fluid design successfully mitigates time-dependent wellbore instability in Middle East fields.

Subsea Advances

Multiphase twin-screw boosting technology improves production

System flexibility extends the limits of successful subsea boosting.

CCS

Monitoring technology enables long-term CO₂ geosequestration

Tried-and-true methods can be used in a new way.

Turning lemons into lemonade:

Achieving benefits from CCS 74 Carbon capture and storage has multiple benefits — but a wary public.

