

EIGHTH ANNUAL GULF OF MEXICO DEEPWATER TECHNICAL SYMPOSIUM

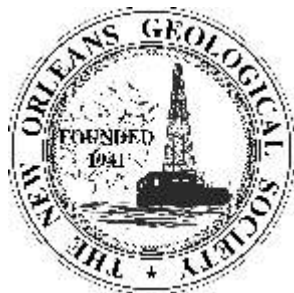
Thursday, August 19 —
Friday, August 20,
2004

Hilton Riverside Hotel
New Orleans, LA

Presented by:
SPE • NOGS • AADE



Society of Petroleum Engineers



THE EVOLVING DEEPWATER FRONTIER: *Celebrating 25 years of Production*

Thursday, August 19, 2004

7:00 a.m. – 8:00 a.m.	Continental Breakfast
7:00 a.m. – 3:00 p.m.	Registration
7:00 a.m. – 7:00 p.m.	Exhibition Hall Open
5:00 p.m. – 7:00 p.m.	Reception
8:00 a.m. – 11:00 a.m.	CONCURRENT SESSIONS

DRILLING TECHNOLOGY:

The evolution of deepwater drilling technology is decorated with world records. This year is no exception with new milestones for deepest water depth (10,011'), deepest water for a moored rig (8,951') and deepest offshore well (31,824' TVD). The deepwater Gulf of Mexico, where these records were set, again proves to be fertile ground for the testing and implementation of new ideas. In keeping with this year's theme, The Evolving Deepwater Frontier, several of the presentations address the progress of deepwater drilling technologies.

- History and Evolution of Lightweight Cements for Deepwater Gulf of Mexico
- 2,000,000 lb Landing String Developments: Novel Slipless Technology Extends the Deepwater Operating Envelope
- Using HTHP Drilling Hydraulics Techniques to Model Mud Compressibility in Deepwater Cementing Operations
- High Performance Water-Based Muds
- Pressure Testing While Drilling with a New LWD Formation Pressure Tester

8:00 A.M. – 11:00 A.M. CONCURRENT SESSIONS

RESERVOIR & ECONOMICS:

Accurate reservoir characterization, uncertainty assessment, and development optimization are keys to economic success in the deepwater Gulf of Mexico. Understanding and management of reservoir and economic risk are fundamental contributors to overall project success. This session will demonstrate the value achieved with quality data, thorough analysis, and optimized development.

- Formation Water Viscosity: Measurement vs. Prediction
- Deepwater Well Flow Rates, Actual and Prediction Challenges
- Dynamic Characterization of East Boomvang Field
- Devils Tower Area wide IPM – Benefitting from the 80% Solution
- Integration of Geologic Model and Reservoir Simulation, Popeye field, Green Canyon 116

- Key Commercial Drivers Affecting Rates of Return for Deepwater Gulf of Mexico Fields

11:30 – 1:00 p.m.

**Lunch & Key Note
Address:**

Lieutenant Governor of Louisiana
MITCH LANDRIEU

1:00 p.m. – 3:00 p.m.

**CONCURRENT
SESSIONS**

WELL COMPLETIONS & INTERVENTIONS:

The Gulf of Mexico continues to push technology with deeper and higher pressure subsea completions. Designing wells for the extremes of deeper water depths, higher pressure, reliable life-of-well production through depletion along with the capability to intervene if required, remains very challenging. This session will highlight recent accomplishments in deepwater well completion and interventions.

- 15K Subsea Completion Equipment in Deepwater Gulf of Mexico
- Marco Polo Sand Face Completions
- Proppant Conductivity Endurance
- Horizontal Christmas Tree vs. Vertical Christmas Tree – Completion / Intervention Options

PRODUCTION SYSTEMS & FACILITIES:

As deepwater subsea tiebacks become a greater percentage of the Gulf of Mexico's total production, it is important we fully understand the complexities these subsea tiebacks have on host facilities. This year's production systems and facilities session looks at specific case studies and perspectives that illustrate the challenges and risks that subsea tiebacks can have on existing offshore production facilities. This session will also look at an emerging subsea technology that is an enabler for future subsea production systems.

- Complexities of Subsea Flowbacks to the Host Facility – Typhoon Case Study
- Cold Slurry Flow Technology and its impact on Deepwater Subsea Tieback
- Subsea Field Developments – A Project Management Perspective
- HIPPS for Subsea Pipelines with an Update on API RP 170

3:00 p.m. – 5:00 p.m.

**CONCURRENT
SESSIONS**

FLOW ASSURANCE:

Flow assurance focuses on modeling the thermal-hydraulic performance of oil and gas production systems. This is coupled with an in-depth knowledge of the produced fluid composition in order to develop effective management strategies for hydrates, wax, asphaltene, scale and other solids. Flow assurance challenges abound in the development in deepwater Gulf of Mexico systems due to the combined driving forces of cold ambient temperatures, high production and hydrostatic pressures, and the need for high system reliability. The papers presented in this session will focus on all phases of the flow assurance work process.

- Cloud point determination and wax deposition study
- Bijupira and Salema: Flow Assurance analysis to support operating strategy
- Impact of flow blockages related to “dead legs” in a subsea production system
- Flow Assurance issues identified for the Medusa operating system

GEOSCIENCE:

Since the drilling of the first deepwater wildcat well in 1975, the geosciences have played a key role in discovering 10 billion barrels of oil equivalent and demonstrating that significant potential (10 – 20 BBOE) remains for the next generation of drilling in 2004 and beyond. This session provides valuable insight into the impact of the geosciences on exploration of new deepwater plays and on high profile development projects.

- The Emergence of the Lower Tertiary Trend in the Deepwater Gulf of Mexico — Could it be the Most Prolific Petroleum System in the Gulf of Mexico Basin?
- The Relationship between Sequence Stratigraphy, Depositional Systems, Salt Tectonics, and Compressional Folding in the Central US Gulf of Mexico
- Reservoir Characteristics of 4th-Order Early Lowstand Deposits in the Deepwater Mars-Ursa Basin, Mississippi Canyon, Northern Gulf of Mexico.
- More Data, More Questions — The Evolving View of Genesis.

FRIDAY, AUGUST 20

8:00 a.m. – 10:00 a.m.

**CONCURRENT
SESSIONS**

HEALTH, SAFETY AND ENVIRONMENTAL:

As an Industry that very much operates by permission of the public, environmental and safety performance is becoming ever more critical to the continued success of operations on the OCS. With the maturation of the deepwater basin, developments are becoming more complex, i.e., exploration and development activities are moving to deeper and deeper waters with reservoir characteristics that are more complex.

Technology is being advanced at a rapid pace to meet the performance expectations and requirements needed by deepwater developments. As a result, regulatory scrutiny of deepwater projects and operations has increased to insure the incorporation of adequate design and operational safeguards to prevent against and mitigate the consequences of failure.

- MMS development of prescriptive methods for the calculation of Worst Case Discharge (WCD) from deepwater operations considering applicable reservoir characteristics and fluid flow regimes.
- Bringing safety performance to the next level: a discussion of opportunities recognized in the areas of Job Specific Functional Testing and Fatigue Management

EXPLOITING THE DEEPWATER FRONTIER:

It's been 25 years since the first GOM deepwater production began at Shell's Cognac field in 1979. It took another 5 years before the next deepwater field, Exxon's Lena development, came on line. In 1994, the Auger TLP was the first floating production facility. In 1996, the world's first spar platform was installed at Kerr McGee's (ORYX) Neptune field, in almost 2000' of water. In 2001, the first Truss Spar was installed at Kerr McGee's Nansen field, in 3675' of water. Shell's Na Kika development of 6 separate fields, now holds the record for the deepest Gulf of Mexico water depth at 7300'. In addition, as infrastructure extends into deeper and deeper waters, the advances in subsea technology allow once marginal fields to be developed.

This session will include a presentation by the MMS on 25 years of deepwater production; a presentation on the original deepwater development, Cognac; followed by the Rigel integrated subsea development. The last presentation will focus on the importance of geophysics, especially Pre-Stack Depth Migration, in defining the size of the prize.

- The Evolving Deepwater Frontier: Celebrating 25 Years Of Production - MMS
- Cognac – Then and Now - Shell
- Rigel – Making a marginal discovery work - Dominion
- PSDM in the Deepwater – our looking glass into the future - ChevronTexaco

10:00 a.m. – 12:00 noon

MANAGEMENT PANEL:

Facilitator: Dean McPhearson, Baker Hughes

The Evolving Deepwater Frontier: Celebrating 25 years of Production!

What's next? . . . New emerging trend discoveries will lead to additional challenges in technology and economics;

advances in subsea technology and the extension of hubs into deeper water justify marginal field development, and will secondary and tertiary recovery be successful? After brief remarks by each panelist, the panel will field questions from the audience. The panel will include:

- Michael Reddin, Performance Unit Leader, BP America, Inc
- Greg Guidry, Near field Exploration Manager, Shell EP Americas
- John Chaplin, U.S. Production Manager, ExxonMobil, Inc
- Kevin Guilbeau, Sr. VP & GM, Offshore, Dominion E&P Company
- Bill Coates, GeoMarket Manager NGC, Schlumberger
- Jim O'Sullivan, Sr. VP Marketing, Technip Offshore, Inc
- Chris Oynes, GoM Regional Director, Minerals Management Services

Exhibits close at 1:00 p.m.

EXHIBITION BOOTH INFORMATION:

The exhibit area for the 2004 DWS will accommodate 30 exhibitors on a first come first served basis. The 8' X 10' booths will be located in a separate room adjacent to the sessions. The exhibit area will be the highlight of an "Exhibitor Reception" on Thursday night as well as the focal point of each break during the technical sessions.

Please contact Dean McPhearson (dean.mcphearson@bakerhughes.com or 504-561-7936) or Lori Davis (lori@rigchem.com or 985-873-7208) for more details.

SPONSOR INFORMATION:

If your company is interested in co-sponsoring our breakfast or reception, please contact Lori Davis, Rig-Chem, 985-873-7208: lori@rigchem.com.

REGISTRATION INFORMATION:

Attendance at the Deepwater Symposium will be limited. Please register early. You may register Online at the SPE Website – spe-delta.org, Email, Regular Mail, or Fax. (see Registration Form for registering information).

Registrars: Bob Freeman (bfreeman@smith.com) or Shelley Ducote (sducote@smith.com), c/o Smith International, Inc. – 1615 Poydras Street, Ste. 830, New Orleans LA 70112-1242. Phone: 504-525-2487, Fax: 504-561-6391

GENERAL CHAIRMAN:

Phil Moses, Dominion E&P,
504-593-7311 – philip_a_moses@dom.com

HOTEL INFORMATION:

Hilton Riverside Hotel - Poydras at Mississippi River - New

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REGISTRATION FORM
PLEASE PRINT ALL INFORMATION



Name: _____

Co: _____

Address: _____

City/State/Zip: _____

Phone: _____ Fax: _____

E-Mail: _____

CONFIRMATIONS WILL BE SENT VIA E-MAIL

Society Affiliation: SPE NOGS AADE Society Member No: _____

REGISTRATION FEE: (includes Breakfast, Lunch & Reception) \$150.00 Member/\$200.00 Non-Member
(May be a member of SPE, NOGS or AADE)
(Registration Fee is Non-Refundable)

Registration is limited, and will be on "First Paid – First Served" basis.

(SPE is a non-profit organization under Sec. 501 (c) (6) of the Internal Revenue Code. Taxpayer ID #72-0925603)

Checks should be payable, and mailed to:

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