NUCLEAR LOGGING METHODS AND APPLICATIONS

A Nuclear Logging Technology, Present and Future - An Operating Company Perspective; Ahmed Badruzzaman (ChevronTexaco Energy Technology Co.)

B Improved Density Logging in Hot, Rugose, Carbonate Formations; John Nieto (Anadarko Canada Corp), Rob Badry, John Kovacs, Darwin Ellis, Olivier Faivre and Laurent Mossé (Schlumberger)

C C/O Logging in Gravel Packs; Larry Jacobson and Jerome Truax (Halliburton Energy Services)

D A Comparison of Logging-While-Drilling and Wireline Nuclear Porosity Logs in Shales from Wells in Brazil; Carlos Afonso de André and A. Mainieri Vieira da Cunha, (Petrobras), P. Boonen, B. Valant-Spaight and S. LeFors (Pathfinder Energy Services), W. Schultz (Consultant)

E Neural Network Ensemble Selection using Multi-Objective Genetic Algorithm in Processing Pulsed Neutron Data; Dingding Chen, John Quirein, Syed Hamid, Harry Smith Jr. and Jeff Grable (Halliburton Energy Services)

CASED-HOLE NUCLEAR METHODS AND APPLICATIONS

F Issues with Long-term Cased-hole Quantitative Fluid Saturation Monitoring; Dale E. Fitz (ExxonMobil Exploration Company)

G Cased-hole Formation-Density Logging - Some Field Experiences; Darwin Ellis, Martin G. Lilling, Marvin E. Markley, Laurent Mossé, Steve Neumann, Georges Pilot and Ian Stowe (Schlumberger)

H Methodologies and Applications of Calculating Steam Saturations in Cased Hole; Thomas A. Zalan (ChevronTexaco), Ahmed Badruzzaman (ChevronTexaco Energy Technology Company), and Paul E. Harness (ChevronTexaco North America Upstream)

I Challenging the Current Application Envelope of Carbon Oxygen Logs; Felix Omokaro (Shell Petroleum Development Co.)
J Experiments on Closely Spaced Detector Candidates for Carbon/Oxygen Logging; Richard C. Odom, Don E. Tiller and Robert D. Wilson (Computalog)

K Cased Hole Density, Neutron, Sonic and Resistivity Logging in South America, Case Histories, Lessons Learned, and a Methodology for Including the Technology in Formation Evaluation Programs; Anthony Fondyga (Schlumberger Ltd.), Gene Sherba (Encana Corporation)

FORMATION TESTING AND DRILLING APPLICATIONS

L A Decade of Formation Testing – Do's and Don'ts and Tricks of the Trade; Mohamed Hashem, Hani Elshahawi and Gustavo Ugueto (Shell International Exploration & Production, Inc.)

M The Role of Formation Pressure Measurements and Samples in Understanding the Potential of Deepwater Discoveries in Offshore Angola; Mike Davenport, Dave Booth and Robert Terry, (BP), Nigel Dodds and Raj Rajasingham (Baker Atlas)

N Formation Testing in the Dynamic Drilling Environment; Mark A. Proett (Halliburton Energy Services), Douglas Seifert (Saudi Aramco), Wilson Chin, Solveig Lysen and Paul Sands (Halliburton Energy Services)

O Rock Strength Parameters from Annular Pressure While Drilling and Dipole Sonic Dispersion Analysis; T. Bratton, V. Bricout, R. Lam, T. Plona, B. Sinha, K. Tagbor and A. Venkitaraman (Schlumberger), T. Borbas (ConocoPhillips)

P Through Bit Logging: A New Method to Acquire Log Data, and a First Step on the Road to Through Bore Drilling; John Runia (Shell E&P Research), John Boyes and Peter Elkington (Reeves Oilfield Services)

Q Horizontal Short Radius Sidetrack Campaign Project in SPDC-East Nigeria; Petrophysical Challenges; Kenny M. Fakolujo, Roya D.K. Simon and Chike J. Nwosu (Shell Petroleum Development Company of Nigeria Limited)

R Results of Laboratory Experiments to Simulate the Downhole Environment of Formation Testing While Drilling; Hee-Jae Lee (University of Texas, Austin), Mark A. Proett and Preston Weintraub (Halliburton Energy Services), Jim Fogal (NuTech Energy), Carlos Torres-Verdín (University of Texas, Austin)

S Lessons Learned from Formation Pressure Measurements While Drilling; M. Meister, A. Buysch and J. Pragt (Baker Hughes INTEQ), J. Lee (Baker Atlas)
ACOUSTIC LOGGING AND APPLICATIONS

T Fluid Substitution in Horizontal Chalk Wells and Its Effect on Acoustic Rock Properties – A Case Study Comparing Logging While Drilling and Wireline Acoustic Data; Mai K. Borre, Vincent Beales and Søren Frank (Maersk Oil and Gas), Tor Eiane, Trond Gravem and S. Eikenes (Baker Hughes INTEQ)

U LWD Sonic Logging in Cased Holes; Jennifer Market, Denis Schmitt, Ron Deady (Halliburton Energy Services)

V The Influence of Shale Distribution on the Sensitivity of Compressional Slowness to Reservoir Fluid Changes; Christopher Skelt (UNOCAL Corporation)

W Estimating Formation Permeability and Anisotropy from Borehole Stoneley Waves; X. M. Tang and D. Patterson (Baker Atlas)

X A Dual-Frequency LWD Sonic Tool Expands Existing Unipolar Transmitter Technology to Supply Shear Wave Data in Soft Formations; Paul Boonen and Elan Yogeswaren (PathFinder Energy Services)

Y Through-Tubing Hostile-Environment Acoustic Logging Tool; Lucio N. Tello, Daniel L. Long and Thomas J. Blankinship (Computalog, Precision Drilling), Marney N. Pietrobon and Robert L. Horine (BP America)

Z New Development in Monopole Acoustic Logging; Calvin Kessler (Halliburton Energy Services), Georgios Varsamis, Joakim Blanch and Arthur Cheng (SensorWise, Inc.)

AA Modification of the Wyllie Time Series Acoustic Equation, To Give A Rigorous Solution in the Presence of Gas; M. Holmes, A. Holmes and D. Holmes (Digital Formation, Inc.)

BB Case Study of Borehole Sonic Dispersion Curve Analysis; D. Murray, T. Plona and H.P. Valero (Schlumberger)

NMR LOGGING AND APPLICATIONS

CC Core and Log NMR Measurements Indicate Reservoir Rock is Altered by OBM Filtrate; John Shafer (Reservoir Management Group, Inc.), Jiansheng Chen, Mark Flaum and George Hirasaki (Rice University), Austin Boyd and Christian Straley (Schlumberger-Doll Research), Tim Borbas (ConocoPhillips), Chuck Devier (PTS Labs)
DD  The Limits of Fluid Property Correlations used in NMR Well Logging; An Experimental Study of Reservoir Fluids at Reservoir Conditions; M. Winkler and J. Freeman (Shell International E&P), M. Appel (Shell U.K. E&P)

EE  Applying NMR-Hydraulic Flow Unit Technique to Estimate J-Function and Capillary Pressure; W. Thungsuntonkhun and T.W. Engler (New Mexico Tech)

FF  Tar Mats Characterization from NMR and Conventional Logs, Case Studies in Deepwater Reservoirs, Offshore Brazil; João de D. S. Nascimento and Ricardo M. R. Gomes (Petrobrás)

GG  Use of NMR Technology to Unravel Gas-below-FWL and Charge History Issues in a Rotliegend Gas Field, Northern Netherlands; R. E. Meij (Nederlandse Aardolie Maatschappij B.V.)

HH  Effective Qv by NMR Core Tests; Paul R. Martin and John Dacy (Core Laboratories)

II  Advanced NMR Acquisition has Improved the Assessment of Hydrocarbons in Place in the Gulf of Mexico; Bob Lippincott (Shell Offshore Inc.), Ron J. M. Bonnie, Jim Galford and Phil Fox (Halliburton Energy Services)

JJ  NMR Diffusion Editing for D- T2 Maps: Application to Recognition of Wettability Change; Mark Flaum, Jiansheng Chen and George Hirasaki (Rice University)

KK  Two-dimensional NMR Logging and Field Test Results; Boqin Sun, Keh-Jim Dunn, Bruce Bilodeau, Stephen C. Van Dalen, Simon W. Stonard (ChevronTexaco Energy Technology Company), M. A. Al-Rushaid (Kuwait Oil Company)

LL  Evaluating the Shaly-Sand Oil Reservoirs of El Tordillo Field, Argentina using Magnetic Resonance Logs; Luis P. Stinco, Julio Vieiro (Tecpetrol S.A.), Maged Fam (Halliburton Energy Services)