



INTERNATIONAL & DOMESTIC
PETROLEUM ENGINEERING
PROJECT MANAGEMENT
FIELD OPERATIONS

SIGNA ENGINEERING CORP.

GEORGE H. MEDLEY, P.E.
EXECUTIVE VICE PRESIDENT

SUMMARY OF QUALIFICATIONS:

- Forty-one years in the Oil and Gas Industry, Domestic & International / Onshore & Offshore.
- Drilling, completion and production engineering with extensive geographic, operations, and technology experience.
- Underbalanced and Managed Pressure Operations Specialist.
- Extensive experience in horizontal drilling and completion of new drills and re-entries.
- Extensive Unconventional Drilling experience in subnormal to abnormal pressured formations including sour gas environments. Drilling fluids used include WBM, OBM, air, nitrogen, natural gas, aerated fluids, foam, diesel and brines.
- Operations management of drilling and workover operations.
- Management of research and development programs for the US Department of Energy (DOE), the Gas Research Institute (GRI), and the Drilling Engineering Association (DEA).
- Development and delivery of domestic and international training in advanced drilling and completion technology.
- Provide litigation support in the form of expert witness testimony.

PROFESSIONAL LICENSES:

- Registered Professional Engineer in the States of Texas (No. 50273) and Colorado (No. 24526).

WORK HISTORY:

Sigma Engineering Corp.	<i>Executive Vice President</i>	2002-Present
	<i>Sr. V. President – Engr. Training & Research</i>	2000-2002
	<i>Sr. Project Manager</i>	1998-2000
Maurer Engineering Inc.	<i>Sr. Drilling Engineer</i>	1994-1998
Exxon Co., USA	<i>Sr. Staff Engineer</i>	1985-1994
	<i>Supervising Engineer</i>	1982-1985
	<i>Project Engineer/Sr. Project Engineer</i>	1977-1982

EDUCATION:

- B.S., Civil Engineering, Texas A&M University, College Station, Texas, 1977 (Summa Cum Laude).
- Over 1,500 hours of company and industry-wide technical training and over 200 hours of training in management, supervisory, and interpersonal skills.

PROFESSIONAL MEMBERSHIPS:

- Society of Petroleum Engineers



AWARDS & PATENTS:

- 2006 North American Gulf Coast Region Society of Petroleum Engineers annual award for Distinguished Contribution to Petroleum Engineering in the Area of Drilling and Completions.
- Maurer, William C., Medley, Jr., George H., and McDonald, William J., 2003: Multi-Gradient Drilling Method and System, US Patent No. 6,530,437 B2, March 11.

CLASSROOM INSTRUCTOR:

Sigma Engineering Corp.

- Walking the Line: Managed Pressure Drilling
- Closed-Hole Circulation Drilling
- Project Management Approach to Underbalanced Operations
- Horizontal / Multilateral Technology

Maurer Engineering

- Drilling Engineering Association Underbalanced Drilling and Completions School
- Computer Software Training (Multiple sessions)

Exxon Co.

- Drilling Technician Operations School
- Subsurface Engineering School
- Drilling Engineering School
- Numerous Seminars

DETAILED WORK HISTORY:

SIGNA ENGINEERING CORP., Houston, Texas

1998 - Present

Executive Vice President & Senior Vice President (2000–Present)

Expanded all departments within area of responsibility (technology training schools, drilling and completion engineering, litigation support and software development.) Continued planning drilling programs and analyzing technical problems associated with drilling wells. Provide Project Management for a variety of drilling programs. Provide litigation support in the form of expert witness testimony.

- Developed operational procedures, project management tools, engineering assistance and training tools for Managed Pressure Drilling for ExxonMobil Kurdistan Region of Northern Iraq, Sakhalin Island, and Equatorial Guinea, Conoco-Phillips UK sector of North Sea (Jade), Chevron UK North Sea (Alba), Power Well Service-Expro use on Statoil's Kvitbjorn MPD project in the Norwegian North Sea, Shell Auger TLP in the Gulf of Mexico and Shell Malaysia Pressurized MudCap Drilling Project in South China Sea, world's first application from a floating drilling vessel (sub-sea BOP).
- Develop and analyze operational procedures for horizontal fracture stimulation completions for Chuza Oil Company (New Mexico), Cheyenne Petroleum (Eagle Ford South Texas), and Oilex (Gujarat, India).
- Project Manager for Managed Pressure Application for Cypress E&P on a High Temperature/High Pressure Wilcox well and for Goldston Oil Corp on a salt dome well near the Texas Gulf coast.
- Developed and facilitated implementation of a Hazard Identification (HAZID) and Mitigation process on projects for AGIP KCO (Caspian Sea), Shell Malaysia (South China Sea), ConocoPhillips (south Texas), Apache Oil and Gas (inland barge in Mississippi), Maris International and Varco International for the Continuous Circulation System, Shell E&P (MARS and Auger TLPs, Gulf of Mexico), Swift Energy New Zealand for their first operated joint venture in New Zealand, and others.



- Developed Managed Pressure Drilling School and coordinated or facilitated over twenty sessions for operators and service companies, encompassing over 200 class participants.
- Project Manager for AGIP KCO Closed-Hole Circulation Drilling Project in Kashagan Field, Caspian Sea, Kazakhstan. Developed operational procedures and training, facilitated risk assessment, and provided technical support for operations execution on site.
- Project Manager for XPRONET, Inc. exploration well program in Hungary.
- Developed specialized Drilling Technology Schools for TengizChevroil Corp. and Agip KCO in Kazakhstan, Agip in Milan, Italy, Shell and Weatherford in Malaysia, and ConocoPhillips in Houston, Texas.
- Developed and presented a specialized Advanced Technology School (Horizontal/Multilateral Underbalanced) for Network of Excellence in Training (NExT) consortium.
- Developed, coordinated and presented technical schools at Sigma Engineering, Chevron Drilling Technology Center, and Client Locations around the world, including Managed Pressure Drilling, UnderBalanced Operations, Horizontal Operations, and Multilateral Technology.

Senior Project Manager & Engineering Training Manager (1998–2000)

Managed all facets of technology training schools, including material preparation, school agenda, and student solicitation and follow-up. Plan drilling programs and analyze technical problems associated with drilling wells. Provide litigation support in the form of expert witness testimony.

- Planned a multiple-well program and programs for two wildcat wells in South Texas abnormal pressure areas for Esenjay Exploration, Inc., including AFE preparation, Drilling Program, and all drilling procedures. Managed operations to successfully execute all plans.
- Developed plan and lead author for Underbalanced Operations: A Project Management Approach (826 page Manual) and school concentrating on field operations involved in all phases of underbalanced operations.
- Developed Underbalanced Operations Seminar (3-day) for the Chinese Petroleum Society, Chinese National Petroleum Company (CNPC) and presented it to 22 Chinese petroleum companies in Beijing, China. The Chinese sponsor was awarded a "National Heroic Prize" by CNPC for introducing this technology to China.
- Represent Texaco as technical liaison to Drilling and Completions Committee of the DeepStar deep-water consortium.
- Provide general planning and analysis for various drilling operators.

MAURER ENGINEERING INC., Houston, Texas

1994 – 1998

Senior Drilling Engineer

Managed major RD&D contracts with the U.S. Department of Energy, the Gas Research Institute, and the Drilling Engineering Association, including carrying out research, preparation of proposals, and solicitation of participants in joint industry projects, budgeting and scheduling, and reporting results. Total value of managed research as of year-end 1997, \$2,950,000. Planned drilling programs and analyzed technical problems associated with drilling wells.

- Planned first underbalanced drilling prospect in Colombia, including drillstring design, underbalanced and conventional drilling hydraulics analysis, casing design, torque and drag analysis, AFE preparation, and post-drill hydraulics analysis. Well came in at >7000 BOPD and 11MMscfd.



- Represent Texaco as technical liaison to Drilling and Completions Committee of the DeepStar deepwater consortium.
- Developed and verified a PC-based computer program for calculating hydraulics of compressible drilling fluids.
- Led U.S. Department of Energy project team in the development of a unique, lightweight incompressible drilling fluid having a density less than that of the base fluid used.
- Primary engineer for project team identifying new drilling technologies for application in the Greater Green River Basin of SW Wyoming and Northern Colorado and determined impact of major oil company slim-hole drilling program in the area.
- Originated novel application of plasma arc technology. Proposal pending before the U.S. DOE has the potential for a \$750,000 contract to develop the concept.
- Coordinated and co-authored 600-page Underbalanced Drilling and Completion manual for the Drilling Engineering Association.
- Developed and delivered a successful Underbalanced Drilling and Completion School in the United States, Mexico, Canada, Venezuela, Colombia, Scotland, and Germany.

EXXON CO., USA, Houston, Texas

1977 – 1994

Senior Staff Engineer (1992–94)

Managed all aspects of drilling oil and gas wells, including designing systems, preparing procedures, bidding/negotiating contracts, estimating costs, complying with governmental/environmental regulations.

- Initiated unique application of PDC bit technology on two-rig Gulf Coast drilling program, reducing drilling time by 10%. Application adopted by other engineers, resulting in potential \$600,000 savings per year.
- Established use of prototype thermal treatment process for oil based drilling fluid cuttings. Saved \$60,000 on mud system and won 1993 Earth Day Award from Utah Dept. of Natural Resources.
- Developed re-entry procedures for Austin Chalk wells converting them to horizontal or adding horizontal sections. Advanced technological competitiveness saved an average of \$150,000/well.
- Managed well control situation on abnormally pressured gas well by involving all levels of company, contract, and consultant personnel. Prevented the loss of a \$1.2 million investment and saved a producible wellbore.

Senior Staff Engineer, Midland, Texas (1987–92)

Managed all engineering aspects of exploration and large development drilling projects in the Rocky Mountains, West Texas and California.

- Initiated continuous improvement program on 79 well drilling and completion program, increasing the drilling rate by 42%, decreasing costs by 19%. Drilled 54 wells faster than original target days, saving \$1.9 million.
- Designed procedures for 12 wildcat wells in Rocky Mountains and California at a cost of \$32 million. Resulted in drilling 4 record wells and saving over \$5 million.
- Originated request to the Bureau of Land Management in Washington, DC resulting in a change in Federal Regulations, which saved company a potential \$150,000 per year.

Senior Staff Engineer, Denver, Colorado (1985–87)



Coordinated exploration drilling program, resolving technical/operational conflicts and concerns between the Midland Drilling Group and Denver Exploration Division.

- Provided technical sales support to market remote wildcat well to potential operators. Final sale of wellbore salvaged \$20 million investment.
- Developed criteria for scheduling start-up of drilling programs, resulting in 10-30% cost savings (\$60-200,000) per exploration well.
- Designed and instituted seminar for geologists/geophysicists in cost estimating fundamentals, resulting in greater understanding of process and a savings of 2 man-months per year.

Supervising Engineer, Midland, Texas (1982–85)

Supervised three different drilling groups comprised of 5-9 engineers and 2-3 support staff.

- Developed skills of three subordinates, resulting in their achieving personal goals of promotion to Supervising Engineer positions.
- Implemented field training program in basics of drilling operations. Trained six engineers in 60% of budgeted time saving \$40,000.
- Coordinated six-rig drilling program with operations group to drill 350 wells in one field, reducing drilling time by 35% and saving over 600 rig days and \$4.9 million.

Assoc. Project Engr./Project Engr./Senior Project Engineer, Midland, Texas (1977–82)

Managed reservoir, production, and drilling engineering aspects of oil and gas well field development, including reservoir description and management, economic evaluation, production facility design, well completions and remedial work, bid implementation, drilling system design, and regulatory compliance.

- Recommended use of diamond bit/turbine combination in straight hole drilling of Anadarko Basin wells, saving \$65,000/well.
- Initiated redevelopment of gas field resulting in 15% increase in oil production, 70% increase in gas production. Resulted in a rate of return of 30%.
- Designed replacement water injection plant for secondary recovery lease in W. Texas. Reduced lease expense by \$80,000 per year.

PUBLICATIONS & PRESENTATIONS:

Stone, Rick, Nauduri, Sagar, and Medley, George, 2017: “A Game of Horizontals: The Dance of Gas Intrusion and Migration vs. Mud Weight Increase,” SPE187309-MS, presented at the SPE Annual Conference and Exhibition, San Antonio, Texas, October 9-11.

Elmore, Robert J., Medley, George H., and Goodwin, Robert C., 2014: “MPD Techniques Optimize HPHT Well Control,” SPE 170887, presented at the SPE Annual Technical Conference and Exhibition, Amsterdam, The Netherlands, October 27-29.

Medley, George, Tian, Shifeng, and Moore, Dennis, July 2014: Co-Authors of International Association of Drilling Contractors (IADC) Drilling Manual, 12th Edition, Chapter – “Drilling Hydraulics,” published by IADC (and published as a stand-alone ebook).

Medley, George, P.E., Hannegan, Don, P.E., Rehm, Bill, and Graham, Reuben, July 2014: Co-Authors of International Association of Drilling Contractors (IADC) Drilling Manual, 12th Edition, Chapter – “Managed Pressure, Underbalanced and Air/Gas/Mist/Foam Drilling,” published by IADC (and as a stand-alone ebook).



- Medley, George, Elmore, Bobby, Nauduri, Sagar, and Goodwin, Bob, 2014: “Successfully Drilling Sidetrack #7 With MPD/UBD Combination After Six Failed Conventional Drilling Attempts,” SPE/IADC 168944, presented at the 2014 SPE.IADC Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Madrid, Spain, April 8-9.
- Goodwin, Bob, Nauduri, Sagar, Medley, George, and Shipley, Kurt, 2014: “MudCap Drilling: New Variations, Drivers, Limitations, and Lessons Learned – Case Histories,” SPE/IADC 168956, presented at the 2014 SPE.IADC Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Madrid, Spain, April 8-9.
- Nauduri, Sagar, Fortney, Kent, Medley, George, and Tian, Shifeng, 2014: “Dual Gradient Screening Tool: Depth Ration (DRx) Matrix Method,” SPE/IADC 168950, paper of note published for the 2014 SPE.IADC Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Madrid, Spain, April 8-9.
- *Medley, George, 2012: “Increased Level of Monitoring With MPD Reduces Non-Productive Time,” presented at The 21st Century Energy Technology Conference & Trade Show, sponsored by the Texas Alliance of Energy Producers, Houston, Texas, October 17-18, 2012.
- *Medley, George, 2012: “Enhanced Formation Pressure-Limit Detection Using Managed Pressure Drilling,” presented at the SPE Advanced Technical Workshop: Drilling Meets Formation Evaluation, Montgomery, Texas, June 12-14, 2012.
- *Falk, Kristin and Medley, George, 2010: “Assessing Candidate Wells for MPD: Guidance from the IADC UBO/MPD Committee,” presented at the 2010 IADC World Drilling Conference and Exhibition, Budapest, Hungary, June 16-17.
- Nauduri, Sagar, Ph.D., Medley, George H., and Schubert, Jerome J., Ph.D., 2010: “MPD Candidate Identification: To MPD or Not To MPD,” IADC/SPE 130330, presented at the 2010 IADC/SPE Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Kuala Lumpur, Malaysia, February 24-25.
- Tian, Shifeng, Medley, George H., and Stone, Charles R., 2009: “Understanding Yield Point: Effect on Pressure Surges Can Be Critical to Managing Deep, Difficult MPD Wells,” *Drilling Contractor*, July/August, pp.46-53.
- Nauduri, Sagar, Medley, George H., and Schubert, Jerome J., Ph.D., 2009: “MPD Beyond Narrow Pressure Windows,” IADC/SPE 122276, presented at the 2009 IADC/SPE Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, San Antonio, TX, Feb 12-13.
- Medley, George, and Moore, Dennis, 2008: Co-Authors of Managed Pressure Drilling, “Chapter Six – A Simplified Approach to MPD,” published by Gulf Publishing Company, pp. 143-154.
- Medley, George, and Nauduri, Sagar, 2008: Co-Authors of Managed Pressure Drilling, “Chapter Ten – MPD Candidate Selection,” published by Gulf Publishing Company, pp. 261-284.
- Goodwin, Robert, Medley, George H., and Reynolds, Patrick B.B., 2008: “Understanding MPD Complexity Levels,” *Hart’s E&P*, pp. 41-43, October.
- Medley, George H., Moore, Dennis, and Nauduri, Sagar, 2008: “Simplifying MPD – Lessons Learned,” SPE/IADC 113689, presented at the 2008 IADC/SPE Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Abu Dhabi, UAE, January 28-29.



- Malloy, Kenneth P., Medley, Jr., George H., and Stone, C. Rick, 2007: "Taking Another Look at the Risk Profile for Air Drilling in Presence of Hydrocarbons," (based on IADC/SPE 108357) *Drilling Contractor*, March/April, pp.66-70.
- Malloy, Kenneth P., Medley, Jr., George H., and Stone, C. Rick, 2007: "Air Drilling in the Presence of Hydrocarbons: A Time for Pause," IADC/SPE 108357, presented at the 2007 IADC/SPE Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Galveston, Texas, March 28-29.
- Tian, Shifeng, Medley, George H., and Stone, Charles R., 2007: "Parametric Analysis of MPD Hydraulics," IADC/SPE 108354, presented at the 2007 IADC/SPE Managed Pressure Drilling and Underbalanced Operations Conference and Exhibition, Galveston, Texas, March 28-29.
- Stone, Charles R., Medley, George H., and Reynolds, Patrick B.B., 2006: "Blending technologies: MPD, casing drilling can eliminate intermediate casing string," *Drilling Contractor*, pp. 55-57, May/June.
- Medley, George H. and Reynolds, Patrick B.B., 2006: "Distinct variations of managed pressure drilling exhibit application potential," *World Oil*, pp. 41-45, March.
- Medley, George and Stone, C. "Rick", 2004: "MudCap Drilling When? Techniques for Determining When to Switch From Conventional to Underbalanced Drilling," SPE-IADC 91566, presented at the 2004 SPE/IADC Underbalanced Technology Conference and Exhibition held in The Woodlands, Texas, U.S.A., 11-12 October.
- Stone, Charles R. and Medley, George, 2004: "The benefits of light annular mudcap drilling in naturally fractured formations," *Offshore*, pp. 30-33, July.
- Colbert, John W. and Medley, George, 2002: "Light Annular Mudcap Drilling – A Well Control Technique for Naturally Fractured Formations," SPE 77352, presented at the 2002 SPE Annual Technical Conference and Exhibition held in San Antonio, TX, 29 September – 2 October.
- McLennan, John, et al (and Medley, George H.), 2002: *Underbalanced Completion Manual*, Gas Research Institute, Chicago, IL, January.
- McGowen III, Harold E. and Medley, Jr., George H., 2001: "Toward a Higher Level of Multilateral Completion," *American Oil and Gas Reporter*, pp. 57-69, February.
- Tian, Shifeng and Medley, George, 2000: "Re-evaluating Hole Cleaning in Underbalanced Drilling Applications," paper presented at the International Association of Drilling Contractors (IADC) Underbalanced Drilling Conference and Exhibition, held in Houston, Texas, August 28-29.
- McGowen, III, Harold E., and Medley, Jr. George H., 2000: "Applicability of Underbalanced Drilling to Multilateral Junctions," paper presented at the IADC Underbalanced Drilling Conference and Exhibition, held in Houston, Texas, August 28-29.
- Colbert, John W., Medley, George H., and Stone, Charles R., 2000: "Mud Cap Drilling – A Naturally Fractured Formation Drilling Technique," paper presented at the IADC Underbalanced Drilling Conference and Exhibition, held in Houston, Texas, August 28-29.
- Medley, George H., 2000: "The State of Underbalanced Operations Technology," paper presented at the American Association of Drilling Engineers (AADE) Annual Technology Forum - Best Available Practical Drilling Technology- The Search Continues, held in Houston, Texas, February 9-10, 2000.



- Tian, Shifeng, Medley, George H., and Stone, Charles R., 1999/2000: "Optimizing Circulation While Drilling Underbalanced," paper presented at the IADC Underbalanced Drilling Conference and Exhibition, The Hague, The Netherlands, October 27-28, 1999, published in World Oil, June 2000.
- Medley, Jr., George, Craig, Daniel, Deskins, W. Gregory, Harkrider, John, 1999: *Field Application of Slim Hole Drilling and Completion Technology*, GRI-00/027, final report (contract number 5094-210-3021), published by the Gas Research Institute, Chicago, IL, December.
- Medley, George H., Tian Shifeng, and McGowen, Harold, 1999: "Fulfilling Technical, Educational Needs Key to UBO's Expansion," American Oil and Gas Reporter, pp. 58-68, August.
- Medley, George H., Stone, Charles R., Gonzales, Ricardo, and McGowen, Harold, 1999: "UBO Technology Expands Horizontal's Success," American Oil and Gas Reporter, pp. 46-56, July.
- Medley, George H., 1999: "Advances Drive Synergies Between Technologies," American Oil and Gas Reporter, pp. 54-63, January.
- Medley, George H., Stone, Charles R., Colbert, John W., McGowen III, Harold E., Haston, Jerry E., and Krauhs, John W., 1998: A Project Management Approach to Underbalanced Operations, Signa Engineering Underbalanced Operations Technology School, Houston, Texas, October.
- Medley, George H., 1998: "Shallow Water Flow: A Technology Update", Deepwater Technology (supplement to World Oil), pp. 37-47, August, and presented at World Oil's Deepwater Technology Symposium held in Houston, Texas, September 8-10.
- Medley, George H., 1998: "Shallow Water Flow Technology Update", OTC 8731, presented at the Offshore Technology Conference in Houston, Texas, May 4-7.
- Medley, George H., et al, 1997: "Field Application of Lightweight Hollow Glass Sphere Drilling Fluid", SPE 38637, paper presented at the 1997 SPE Annual Technical Conference and Exhibition in San Antonio, Texas, October 5-8 and Journal of Petroleum Technology, pp.1209-1211, November.
- Medley, George H., 1997: "Applying Advanced Technology to Improve Productivity", New Petroleum Technology and Current Plays in the Rocky Mountains, handbook published by the Rocky Mountain Association of Geologists, October.
- Medley, George H., 1997: "Perforacion Baja Balance (Underbalanced Drilling: Advances and Applications)", presented at the Pemex Primer Foro Tecnologico De Perforacion Y Mantenimiento De Pozos in Cd. Del Carmen, Campeche, Mexico, June 25.
- Medley, George H., Shook, R. Allen, and Hansen, John T., 1997: "State-of-the-Art Slim-Hole Drilling in the Green River Basin in Wyoming: A Three Well Case History", SPE 38361, presented at the 1997 SPE Rocky Mountain Regional Meeting in Casper, Wyoming, May 18-21.
- Nations, Joe F. and Medley, George H., 1997: "DeepStar's Evaluation Of Shallow Water Flow Problems in The Gulf Of Mexico," paper presented at Offshore Technology Conference, Houston, TX, May 5-8.
- Medley, George H., et al, 1997: "Development and Testing of Advanced Drilling Products," paper presented at the US Department of Energy Natural Gas Conference in Houston, TX, March 24-27.
- Liu, Gefei and Medley, George H., 1997: "Advanced Compressible Fluid Model Accounts For Hydraulic Behavior While Drilling Underbalanced", paper presented at the API/ASME Energy Week '97 Conference and Exposition held in Houston, TX, January 28-30.



- Medley, George H., Deskins, W. Gregory, and Duda, John R., 1996: "Strong Growth Projected for Underbalanced Drilling," Oil and Gas Journal, pp.67-77, September 23.
- Medley, George H., Rehm, William, and Chaffin, Michael, 1996: Underbalanced Drilling and Completions Manual, Drilling Engineering Association, Houston, Texas, September.
- Liu, Gefei and Medley, George H., 1996: "Advanced Foam Computer Model Helps in Analysis of Underbalanced Drilling," Oil and Gas Journal, pp.114-119, July 1, and presented at the API/ASME Energy Week '96 Conference and Exposition held in Houston, TX, January 29-31.
- Medley, George H., et al, 1995: Development and Testing of Underbalanced Drilling Products, Phase I Final Report (contract number DE-AC21-94MC31197), published by the US Department of Energy-Morgantown Energy Technology Center, Morgantown, WV, September.
- Medley, George H., Maurer, William C., and Garkasi, Ali Y., 1995: "Use of Hollow Glass Spheres for Underbalanced Drilling Fluids," SPE 30500, presented at the 1995 SPE Annual Technical Conference and Exhibition held in Dallas, TX, October 22-25.
- Medley, et al, 1995: "Development and Testing of Underbalanced Drilling Products," paper presented at Department of Energy Natural Gas RD&D. Contractors Review Meeting, Baton Rouge, LA, Apr 4-6.
- McLane, M. A. and Medley, G. H., 1993: "A Practical Approach to Drilling-Fluid Surveillance and Management", SPE Drilling and Completion, December.