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Kenneth R. Kibodeaux

Petroleum Reservoir Engineering Expert

EXPERIENCE

Renascent Energy

Chief Technology Officer and Founding Partner, Houston (2020 - present)

- EOR, geothermal, and solar methods in shale wells
- Awarded two US DOE research grants
- Technical support for new Texas project on CCUS & CO2 EOR, and reserves estimation for onshore Ecuador bid round
- Lead reservoir engineer on offshore Baltic Sea CO2 CCUS project

Aramco Americas

Petroleum Engineering Consultant, Houston and Saudi Arabia (2018-2020)

- Developed new technology for EOR in unconventionals, and designed post-waterflood CO2-foam pilot to improve CO2 flood in world's largest reservoir
- Assessed service company for possible Aramco investment; collaborated with university researchers (USC, Rice).

HuileRock International

Petroleum Engineering Advisor, Houston and Beijing (2017-2018)

- Reservoir simulation to design PetroChina shale thermal EOR pilot

Shell International Exploration & Production Co

Sr. Reservoir Engineer and Global Subject Matter Expert, Houston (2005-2016)

- Developed non-isothermal reservoir models (chemical-reaction kinetics, PVT/fluid properties, porosity/permeability/SCAL behavior) for oil shales & tar sands used by worldwide thermal recovery businesses (Canada, Colorado, China, Jordan, The Netherlands, Oman, Texas, Venezuela) & performed custom extreme-temperature lab experiments
- Conducted reservoir-simulation field studies
- Advised on foam modeling/physics and injection strategies for Canada steam-foam pilot
- Unconventional shales (Eagle Ford, Woodford, Green River, China, Jordan)
- Developed comprehensive relations between degree of maturity & expulsion (and oil & gas contents) and common maturity indicators, plus novel adjustments for sulfur content
- Advised on modeling/physics of in situ melting & precipitation of native wax for Schoonebeek steamflood (Germany & Holland)
- Modeled reservoir & wellbore asphaltene deposition. 2002-2004: The Hague (The Netherlands).
- ARMUR Team Specialist (Advanced Recovery Methods & Unconventional Resources): Custom EOR: bottom-aquifer reservoirs, fractured carbonate WAG, deep cyclic-steam stimulation, in-situ combustion, steam foam, coalbed methane

Texaco

Project Engineer, Heavy Oil & Thermal Recovery Team, Houston (1996-2001)

- Led the Heavy Oil Characterization lab supporting compositional steamflooding/heavy-oil reservoir simulation for the global business (California, Canada, China, Indonesia, Kazakhstan, Trinidad, Venezuela).
- Heavy oil sands: coring & core analysis programs (onshore & offshore), "foamy oil" (CHOPS) tech development.

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CAREER HIGHLIGHTS

- Awarded research grant from U.S. Dept of Energy for Geothermal Energy Generation Using Dormant Wells in High-Temperature Shale Sedimentary Areas (2023)
- Awarded research grant from U.S. Dept of Energy for Enhanced Gas Recovery and Stimulation by Thermal Methods in Depleted Hydraulically Fractured Gas Wells in Shales (2021)
- Awarded designation of SPE Distinguished Member by the international Society of Petroleum Engineers (SPE) (2019), in recognition of "his expertise in EOR, many technical contributions to SPE and the petroleum engineering profession at the local, and international levels, and for his dedicated volunteer service as technical editor, committee member, and mentor"
- Invited expert, SPE Forum Late Life Unconventionals- Unlocking Incremental Value, Phoenix, AZ (2019)
- Awarded Outstanding Technical Editor, SPE Journal, Society of Petroleum Engineers (2016).
- Selected presenter for Shell conference Using Specialist Geology to Impact the Business, Houston (2015).
- Nominee, the 2015 ENI New Frontiers of Hydrocarbons Prize for "Subsurface Bitumen Flow and Permeability Development During the ICP Thermal Recovery Process in Oil Shale Reservoirs".
- Served on Editorial Board of SPE Journal (Society of Petroleum Engineers): 2002-2008 and 2014-2018.
- Selected presenter for Shell Centennial Conference Rock & Fluid Physics: Academic and Industrial Perspectives, Amsterdam, The Netherlands (2014).
- Selected presenter for Shell Innovation Day Symposium, Houston (2014).
- Technical consultant for historical novel: My Boys and Girls Are In There: The 1937 New London School Explosion, Ron Rozelle, Texas A&M University Press (2012).
- Awarded the 2012 Manager's Choice Safety Award for Shell Westhollow Technology Center, Houston
- Served on Program Committee (as Chairperson of Recovery Mechanisms & Flow in Porous Media Subcommittee) of SPE Annual Technical Conference, New Orleans (2009).
- Selected presenter for Shell Reservoir Engineering Conference, Vail, Colorado (2008).
- Awarded Shell R&D's "Goal Zero" safety award (2007).
- Designated as inaugural member of Shell's Research Skillpool (only 45 named globally) (2004)
- Awarded Outstanding Technical Editor, SPE Journal, Society of Petroleum Engineers (2004)
- Invited contributor, and co-inventor of 3 out of the 4 winning concepts, Shell GameChanger International Heavy-Oil Workshop, Houston (2003).
- Selected presenter for Shell Middle East IOR Workshop, Cairo, Egypt (2003).
- Designated a Shell Global SME (Subject Matter Expert) for Reservoir Engineering (Special Core Analysis).
- Mentor for numerous Shell summer interns (including B.S., M.S., and Ph.D. candidates)
- Selected presenter for joint Chevron/Texaco Heavy Oil Conference, Bakersfield, CA (2001).
- Instructor for Texaco's in-house international course on Thermal Recovery (EOR), Houston (2000).
- Television interview, representative of Lloydminster Heavy Oil Conference, Saskatchewan, Canada (1997).

PROFESSIONAL LEADERSHIP & MEMBERSHIPS

Society of Petroleum Engineers (30-year Senior Member)

- Distinguished Member of the Society of Petroleum Engineers
- Invited expert to 2019 SPE Forum: Late Life Unconventionals – Unlocking Incremental Value
- Advisory Committee on Reservoir Description & Dynamics
    - Committee member, 2007-2010
    - Subcommittee on Technical Programs and Meetings, 2009
- Member of SPE Standing Committee on Fluid Mechanics and Recovery Processes, 2004-2011
- Chairperson of Subcommittee for Recovery Mechanisms & Flow in Porous Media
- SPE Journal, 2004-2011
    - Served on the Editorial Board as Associate Editor, 2002-2008, and 2014-2018
    - Award for Outstanding Technical Editor, 2004
    - Award for Outstanding Technical Editor, 2016
- SPE Annual Technical Conference & Exhibition
    - Subcommittee for Fluid Mechanics and Recovery Processes, 2007 (Anaheim, CA)
        - Chairperson of technical session EOR Fundamentals,

    - Subcommittee for Recovery Mechanisms & Flow in Porous Media, 2008 (Denver, CO)
        - Chairperson for technical session Heavy Oil and Thermal Recovery
    - ATCE Program Committee, 2009 (New Orleans, LA)
        - Judge & Reviewer, SPE ATCE Young Professionals Paper Contest
    - Subcommittee for Reservoir Engineering, , 2010 (Florence, Italy)
    - Subcommittee for Recovery Mechanisms & Flow in Porous Media, 2014 (Amsterdam)
        - Chairperson of technical session Gas-Injection EOR
    - Subcommittee for Recovery Mechanisms & Flow in Porous Media 2015 (Houston)
        - Chairperson of technical session Heavy Oil Recovery Processes
- Other SPE conferences
    - 2004 Improved Oil Recovery Symposium (Tulsa, OK)
        - Program Committee
        - Chairperson of technical session Heavy Oil
    - 2006 Improved Oil Recovery Symposium (Tulsa, OK)
        - Program Committee
        - Chairperson of two technical sessions: Heavy Oil & Thermal Recovery, and IOR Applications of Foam Injection
    - 2008 International Thermal Operations and Heavy Oil Symposium (Calgary)
        - Program Committee
        - Chairperson of technical session Reservoir Characterization
    - 2010 Canadian Unconventional Resources & International Petroleum Conference (Calgary)
        - Subcommittee for Thermal Recovery Processes
    - 2011 Canadian Unconventional Resources Conference (Calgary)
        - Subcommittee for Alternate Technologies for Unconventional Oil

Society of Core Analysts

European Association of Geoscientists and Engineers

Pi Epsilon Tau (Petroleum Engineering Honor Society)

EDUCATION

Ph.D. in Petroleum Engineering, The University of Texas
M.S. in Petroleum Engineering, The University of Texas
B.S. in Petroleum Engineering, The University of Texas, [Texas Dow Institute Scholarship (Dow Chemical), Rotary Club Scholarship]

PUBLICATIONS AND PATENTS

- Terez, I.E. and K.R. Kibodeaux: Geothermal Energy Generation Using Existing Shale Oil and Gas Wells., U.S. Patent pending (2022).
- Kibodeaux, K. R. and I.E. Terez: "Enhanced Gas Recovery and Stimulation by Thermal Methods in Depleted Hydraulically Fractured Gas Wells in Shales," U.S. Dept. of Energy, Office of Fossil Energy, report SC0021741 (March 2022).
- Vavra, E., M. Puerto, C. Bai, K. Ma, K. Mateen, L. Biswal & G.J. Hirasaki: "Measuring in-situ capillary pressure of a flowing foam system in porous media", J. Colloid and Interface Sci., 621, 321-330 (KRK attributed in Acknowledgements section) (2022).
- Terez, I.E. and K.R. Kibodeaux: Simultaneous Gas-Solid Chemical Stimulation of Hydraulically Fractured Oil Wells and Gas-Condensate Wells in Shale., U.S. Patent pending (2021).
- Kibodeaux, K. R. and I.E. Terez: Method for Treating Hydraulically-Fractured Wells in Shales, U.S. Patent pending (2020).
- Kibodeaux, K. R. & H.-H. Liu; Accommodating Non-Darcian Effects of Slip Flow and Knudsen Diffusion on Gas Flow for Use in Reservoir Simulations, U.S. Patent pending (2020).

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- Kibodeaux, K. R., H.O. Balan & A. Gupta: Method of Deploying Carbon Dioxide Foam Flooding in an Oil Reservoir, U.S. Patent pending (2020).
- Kibodeaux, K.R., A. Gupta, H.-H. Liu, & J. Zhang: "Gas Flow in Tight Rock - Improved Experimental Workflow and Reservoir-Modeling Framework," paper IPTC-20314 (abstract & presentation) presented at the 12th International Petroleum Technology Conference, Dhahran, Saudi Arabia (January 2020).
- Kibodeaux, K. R.: Systems and Methods for Hydrocarbon Reservoir Divided Model Generation and Development, U.S. Patent pending (2020).
- Balan, H.O., K.R. Kibodeaux, & A. Gupta: "Simulation Study to Design Ghawar CO2-Foam Pilot," internal Saudi Aramco report (2020).
- Balan, H.O., K.R. Kibodeaux, & A. Gupta: "CO2-Foam Simulation Model for Ghawar Field from Coreflood Results," internal Saudi Aramco report (2019).
- Kibodeaux, K.R.: "Reservoir Engineering Aspects", chapter in comprehensive report on feasibility of thermal EOR pilot in shale, PetroChina internal report, Beijing (2018).
- Kibodeaux, K.R. & W. Mo: "Well-Spacing Simulation Study for Thermal Conduction EOR Pilot in Ordos Shale", RIPED report (http://riped.cnpc.com.cn/ripeden/), Beijing (2018).
- Kibodeaux, K.R., D.A. Ward, E. Zhang, & H.A. Bilgic: "Oil & Gas Windows and Maturity Indicators for Shale Reservoirs: Petroleum Generation, Retention, and Expulsion Measured During Laboratory Maturation of Various Source Rocks" paper SPE 182435 accepted (subsequently voluntarily withdrawn from conference) for the SPE Asia Pacific Oil & Gas Conference, Perth, Australia (October 2016).
- Kibodeaux, K.R., D.A. Ward & E. Zhang: "Hydrocarbon Potential of Shale Reservoirs: Petroleum Generation, Retention, & Expulsion During Laboratory Maturation of Various Source Rocks", Shell International E&P Library Report, Houston (2016).
- Kibodeaux, K.R.: "Foam EOR Issues for Water Override in Thamama B Carbonate (Abu Dhabi)", Shell internal report (2015).
- Ward, D.A., K.R. Kibodeaux, & E. Zhang: "Simulated Source Rock Maturation Experimentation for New Kinetics Model Development to Improve Shale Resource Prediction", Shell International E&P Library Report, Houston (2015).
- Kibodeaux, K.R.: "Relative Permeabilities for Realistic Pressure Prediction in Fractured Permian Shales", Shell internal report (2015).
- Kibodeaux, K.R., D.A. Ward & E. Zhang: "Hydrocarbon Maturation Study of China Lucaoguo Shale Using Laboratory Pyrolysis Experiments", Shell International E&P Library Report, Houston (2015).
- Kibodeaux, K.R.: "Laboratory Measurement of Changing Porosity & Permeability in Source Rocks During Thermal Conversion Under Stress", biennial Shell Conference Using Specialist Geology to Impact the Business, Houston (October 2015).
- Kibodeaux, K.R.: "The Physics of In-Situ Conversion in Oil Shale", Shell TechXplorer (Shell worldwide technology magazine), Volume 03, Issue No. 8, pp.90-98 (July 2015).
- Kibodeaux, K.R. & D.A. Ward: "PPP (Permeability & Porosity during Pyrolysis) Experiments to Study Fluid Transport Properties of Jordan Oil Shale during ICP", Shell International E&P Library Report, Houston (2015).
- Kibodeaux, K.R., D.A. Ward, H.A. Bilgic, E. Zhang, A.N. Bishop & A. Bissada: "Simulated Maturation of Unconventional-Gas Source Rocks via Laboratory Pyrolysis Experiments: Eagle Ford Shale, Woodford Shale, and UK Jet Rock", Shell International E&P Library Report, Houston (2015).
- Ward, D.A., K.R. Kibodeaux & H.A. Bilgic: "In situ Conversion Process (ICP) Kinetics/PVT Model Development for Jordan Oil Shale Pilot", Shell International E&P Library Report, Houston (2015).
- Kibodeaux, K.R. & D.A. Ward: "Modeling Native Wax and H2S for Steamflooding at Schoonebeek (The Netherlands & Germany)", Shell internal report (2015).
- Kibodeaux, K.R.: "Evolution of Porosity, Permeability, and Fluid Saturations During Thermal Conversion of Oil Shale," paper SPE 170733 presented at the 2014 SPE Annual Technical Conference and Exhibition, Amsterdam, The Netherlands (27 October 2014).
- Kibodeaux, K.R.: "Subsurface Bitumen Flow and Permeability Development During the In-Situ Conversion Process", Symposium for Shell Innovation Day, Shell Technology Center Houston (21 October 2014).
- Kibodeaux, K.R.: "Impact of In-Situ Conversion Process Physics on Oil-Shale Porosity, Permeability, and Saturations", Rock and Fluid Physics: Industrial & Academic Perspectives, Shell Amsterdam Centennial Conference, The Netherlands (16 September 2014).

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- Kibodeaux, K.R.: "Horizontal Microfractures - A Potential Risk for Grosmont (Canada) Gas-Oil-Gravity Drainage (Steam Injection & In-Situ Upgrading Process Hybrid Options for Heavy-Oil Carbonate)", Shell internal report, Houston (2014).
- LaMantia, B., H. Bilgic, K.R. Kibodeaux, L. Lo, M. Araujo, W. Mo, & D.A. Ward: "Heavy Oil In-Situ Upgrading Process Kinetics/PVT Development: Version 2008.2", Shell International E&P Library Report, Houston (2014).
- Kibodeaux, K.R.: "Digital Rock Physics Workflows for Shales via Vendor Software, Imaging Results, and Experiments", Shell internal report, Houston (2014).
- Qi, Y., K.R. Kibodeaux, & M.L. Cooke: "High-Temperature PVT & Viscosity Experiments on In-Situ Fluids Generated from In-Situ Conversion Process Pyrolysis of Oil Shale", Shell International E&P Library Report, Houston (2014).
- Vink, J.C., K.R. Kibodeaux, D.A. Ward, & M.G. Araujo: "Revisiting the MDP[s] Field Pilot History Match using the 2012 ICP Kinetics and Fluid Model", Shell International E&P Library Report, Houston (2014).
- Kibodeaux, K.R. & D.A. Ward: "Reservoir Simulation of In-Situ Conversion Process for Unconventional Shales: Eagle Ford and China", Shell internal report (2014).
- Ward, D.A., K.R. Kibodeaux, & H. Bilgic: "In Situ Conversion Process (ICP) Kinetics and PVT Model Development: 2012 and 2013 Versions", Shell International E&P Library Report, Houston (2014).
- Ward, D.A., H. Bilgic, K.R. Kibodeaux, & E. Zhang: "Yield Analysis of Oil Shale Pyrolysis Experiments For Use in Developing ICP Kinetics Models", Shell International E&P Library Report, Houston (2014).
- Kibodeaux, K.R. & J.C. Vink: "Porosity and Volumes in CMG STARS – Applications for Compressible and/or Reactive Rocks and Thermal Processes", Shell internal report, Houston (2013).
- Alpak, F.O., K.R. Kibodeaux, D.A. Ward, & W. Mo: "Sensitivity Study of Field ICP (In-Situ Conversion Process) Recovery Using the 2012 Kinetics/PVT Model", Shell International E&P Library Report, Houston (2013).
- Kibodeaux, K.R. "PVT and Gas-Viscosity Modeling for Reservoir Simulation of Nanoporous 'Unconventional' Shales", Shell internal report, Houston (2013).
- Kibodeaux, K.R.: "Injection Strategy and Reservoir Modeling for Peace River (Canada) Steam-Foam Pilot", Shell internal report, Houston (2013).
- Kibodeaux, K. R. & Z. Li: "Asphaltene Stability of IUP Liquids at Surface and Subsurface Conditions", Shell International E&P Library Report, Houston (2012).
- Rossen, W. R., A. Venkatraman, R.T. Johns, K.R. Kibodeaux, H.V. Lai, & N. Moradi Tehrani: "Fractional-Flow Theory Applicable to Non-Newtonian Behavior in EOR Processes," Transport in Porous Media, Vol. 89, No.2 (2011).
- Li, Z. & K.R. Kibodeaux: "Grosmont (Canada) Aquifer Influx and Potential Mitigation Strategy for Complete IUP Process", Shell International E&P Library Report, Houston (2011).
- Kibodeaux, K. R., X.Y. Zou, M.L. Cooke, & B.C. LaMantia: "A Novel High-Temperature PVT Visual Cell: Live-Oil Viscosity and Density Measurements for Heavy Oil", Shell International E&P Library Report, Houston (2010).
- Kibodeaux, K. R., L. L. Lo, G. Nji, M. L. Cooke, & H. Bilgic: "Extreme-Temperature K-Value Determination for IUP Fluid from Blind-Cell/Pyrolysis Laboratory Experiments", Shell International E&P Library Report, Houston (2010).
- Jaiswal, N. K.R. Kibodeaux, & E. Udegbunam: "Modeling High-Temperature Permeability & Porosity for Oil Shale (Piceance Basin, Colorado)", SURE (Shell Unconventional Resources Energy) Technology Conference, Houston (2009).
- Kibodeaux, K.R.: "Novel Experiments for High-Temperature Relative Permeabilities in Grosmont Carbonate", SURE (Shell Unconventional Resources Energy) Technology Conference, Houston (2009).
- Xiao, X., T. Bai, R. Henning, A.A. Savitski, J. Menett, & K.R. Kibodeaux: "Experimental Assessment of Changes in Vertical Permeability Across Shale Laminae in the Peace River Samples", Shell International E&P Library Report, Houston (2009).
- Yadav, M., M.L. Cooke, K.R. Kibodeaux & R. Pollard, "A New Technique for Measuring Live-Oil Viscosity at Elevated Temperatures and Pressures", Shell International E&P Library Report, Houston (2009).
- Kibodeaux, K. R., H. Bilgic, & J. Ratulowski: "Experiments and Modeling for ICP/IUP Recovery Processes:
- Research on Kinetics, PVT, and Transport", Shell Int'l E&P Library Report, Houston (2008).
- Rossen, W. R., R.T. Johns, K.R. Kibodeaux, H.V. Lai, & N. Moradi Tehrani: "Fractional-Flow Theory Applied to Non-Newtonian IOR Processes," presented at 11th European Conference on Mathematics of Oil Recovery, Bergen, Norway (Sept. 2008).
- Alimi, A., R. Barba, A. Bissada, D. Dindoruk, M. Geilikman, J.-C. Ginestra, S. Hannan, K. Kibodeaux, C. Kilic, A. Kornacki, J. Kwan, T. Leshchyshyn, L. Lo, B. McKinzie, W. Mo, C. Shen, G. Stegemeier, & E. Zhang.: "Integrated

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Subsurface R&D Progress Report", SURE (Shell Unconventional Resources Energy), Shell International E&P Library Report, Houston (2007).

- Dombrowski, R., K.R. Kibodeaux, T. Leshchyshyn, & J. Ratulowski: "New Heavy Oil Kinetics/PVT Model for IUP (In-Situ Upgrading Process)" Shell International E&P Library Report, Houston (2006).
- Ascanio, F.A., Kibodeaux, K.R. & P. Boerrigter: "A Conceptual Approach to Heavy-Oil Development in the Presence of Strong Bottom-Water Drive", Shell International E&P Library Report, Rijswijk, The Netherlands (2005).
- Kibodeaux, K.R. & F.A. Ascanio: "EOR Options for PDO (Oman) Strong Bottom-Aquifer Reservoirs", Shell International E&P Library Report, Rijswijk, The Netherlands (2004).
- Kibodeaux, K.R. & F.A. Ascanio: "Study of Deep Cyclic Steam Stimulation in Lake Maracaibo (Venezuela): Analytical Modeling", Shell International E&P Library Report, Rijswijk, The Netherlands (2004).
- Kibodeaux, K.R.: "Review of In-Situ Combustion for Bottom-Aquifer Reservoirs", Shell International E&P Library Report, Rijswijk, The Netherlands (2004).
- Kibodeaux, K.R.: "Improved Injection Strategy for Steam Foam", report for approved Shell GameChanger project, Rijswijk, The Netherlands (2003).
- Kibodeaux, K.R. & F.A. Ascanio: "In-Situ Combustion for Bottom-Aquifer Reservoirs: Scoping Study & Workshop", Shell International E&P Library Report, Rijswijk, The Netherlands (2003).
- Rossen, W.R.: "A critical review of Roof snap-off as a mechanism of steady-state foam generation in homogeneous porous media", Colloids and Surfaces A: Physicochemical and Engineering Aspects, 225, 1 (KRK attributed in Acknowledgements section) (2003).
- Kibodeaux, K.R.: "Relative Permeability Model for MoReS Reservoir Simulation of WAG Processes in Al Huwaisah (Oman) Fractured Carbonate", Shell internal report, Rijswijk, The Netherlands (2002).
- Kibodeaux, K.R.: "Scaled 3D Physical (Laboratory) Reservoir Model for Thermal & Heavy Oil Processes", Chevron/Texaco Heavy Oil Conference, Bakersfield, CA (2001).
- Kibodeaux, K.R.: "Fluid Studies for the San Ardo Field Steamflood (California)", Texaco EPTD Library Report (2001).
- Richardson, W.C. & K.R. Kibodeaux: Chemically-Assisted Thermal Flood Process, U.S. Patent #6305472 (2001).
- Kibodeaux, K.R.: "Fluid Studies for the North Buzachi Field (Kazakhstan)", Texaco EPTD Library Report (2000).
- Kibodeaux, K.R.: "Modeling In-Situ Foamy-Oil Behavior of Native Heavy-Oil in Cold Production (CHOPS) from Unconsolidated Hamaca Sands (Orinoco, Venezuela)", Texaco EPTD internal report (2000).
- Kibodeaux, K.R.: "Etchegoin Crude Oil Characterization (Midway-Sunset Field, San Joaquin Valley, California)", Texaco EPTD Library Report (2000).
- Kibodeaux, K.R.: "Fluid Studies for the Bekasap Field Waterflood (Indonesia)", Texaco EPTD Library Report (2000).
- Kibodeaux, K.R. & E.J. Hanzlik: "Fines Migration Tests on Hamaca Sands (Orinoco, Venezuela)", Texaco EPTD internal Report (1999).
- Kibodeaux, K.R., & M.L. Cooke: "Experimental Screening of Potential Additives for CO2 Flooding and Steamflooding", Texaco EPTD internal report (1999).
- Kibodeaux, K.R. & W.R. Rossen: "Coreflood Study of Study of Surfactant-Alternating-Gas Foam Processes", Journal of Petroleum Technology, Vol. 50, No. 1 (January 1998).
- Kibodeaux, K.R. & W.C. Richardson: "Thermal Rock & Fluid Properties for the Rantaubias Field (Indonesia)", Texaco EPTD Library Report (1998).
- Kibodeaux, K.R.: "Coring, Core Analysis, Tritium Tracers, and Downhole Fluid Sampling: Unconsolidated Sands of Soldado Field (offshore Trinidad)", Texaco EPTD internal report (1997).
- Kibodeaux, K.R. & W.R. Rossen: "Coreflood Study of Surfactant-Alternating-Gas Foam Processes: Implications for Field Design," paper SPE 38318 presented at the SPE Western Regional Meeting, Long Beach, CA (1997).
- Kibodeaux, K.R. & E.A. Woerheide: "Empirical Pipeline Viscosity of Petronius (offshore Gulf of Mexico) Crude Oil Emulsions", Texaco EPTD Library Report (1997).
- Kibodeaux, K.R.: Experimental and Theoretical Studies of Foam Mechanisms in Enhanced Oil Recovery and Matrix Acidization Applications, Ph.D. Dissertation, The University of Texas at Austin (1997).
- Cardenas, R.L., Richardson, W.C., & K.R. Kibodeaux: "Cosolvent-Enhanced Steamflooding (CES)", Texaco EPTD Library Report (1996).

- Rossen, W.R., K.R. Kibodeaux, J.-X. Shi, S.C. Zeilinger, & M.-T. Lim: "Injectivity and Gravity Override in Surfactant-Alternating-Gas Foam Processes", paper SPE 30753 presented at SPE Annual Technical Conference and Exhibition, Dallas, TX (1995).
- Zeilinger, S.C., M. Wang, K.R. Kibodeaux, & W.R. Rossen: "Improved Prediction of Foam Diversion in Matrix Acidization", paper SPE 29529 presented at SPE Production Operations Symposium, Oklahoma City, OK (1995).
- Kibodeaux, K.R., S.C. Zeilinger, & W.R. Rossen: "Sensitivity Study of Foam Diversion Processes for Matrix Acidization", paper SPE 28550 presented at presented at SPE Annual Technical Conference, New Orleans, LA (1994).
- Kibodeaux, K.R.: Mechanisms of Weak Foam, M.S. Thesis, The University of Texas at Austin (1992)