<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>The Replacement of Hydrocarbon Diluent with Surfactant and Water for the Production of Heavy, Viscous Crude Oil</td>
<td>9</td>
</tr>
<tr>
<td>by Gifford G. McClaflin, Charles R. Clark, and Thomas R. Sifferman, Conoco Inc.</td>
<td></td>
</tr>
<tr>
<td>Pressure Buildup Analysis: A Simplified Approach</td>
<td>23</td>
</tr>
<tr>
<td>by A. Rashid Hasan, University of North Dakota, and C. Shahjahan Kabir, Dome Petroleum Ltd.</td>
<td></td>
</tr>
<tr>
<td>A Preliminary Study of In-Situ Combustion in Diatomites</td>
<td>37</td>
</tr>
<tr>
<td>Laboratory Investigation of the Oxygen Combustion Process for Heavy Oil Recovery</td>
<td>55</td>
</tr>
<tr>
<td>by Jon T. Moss, Tejas Petroleum Engineers, Inc., and Gilbert V. Cady, Dome Petroleum Ltd.</td>
<td></td>
</tr>
<tr>
<td>The Street Ranch Pilot Test of Fracture-Assisted Steamflood Technology</td>
<td>69</td>
</tr>
<tr>
<td>Technical Feasibility of Chemical Flooding in California Reservoirs</td>
<td>95</td>
</tr>
<tr>
<td>by Leroy W. Holm, Union Oil Co. of California</td>
<td></td>
</tr>
<tr>
<td>Field Performance Analysis of Micellar Polymer Pilot Flood</td>
<td>113</td>
</tr>
<tr>
<td>by Omar Jose Aguey, Long Beach Oil Development Co.</td>
<td></td>
</tr>
<tr>
<td>A Simplified Predictive Model for Micellar-Polymer Flooding</td>
<td>137</td>
</tr>
<tr>
<td>by George W. Paul, Intercomp Resource Development &amp; Engineering, Inc.; Larry W. Lake and Gary A. Pope, University of Texas at Austin; and Genevieve B. Young, Intercomp Resource Development &amp; Engineering, Inc.</td>
<td></td>
</tr>
<tr>
<td>Laboratory Evaluation of Sodium Hydroxide and Sodium Orthosilicate for Tertiary Oil Recovery in an Alberta Reservoir</td>
<td>157</td>
</tr>
<tr>
<td>by Zdenka Novosad and Frank G. McCaffery, Petroleum Recovery Institute</td>
<td></td>
</tr>
<tr>
<td>A Numerical Model of the Non-Isothermal Flow of Carbon Dioxide in Wellbores</td>
<td>173</td>
</tr>
<tr>
<td>by Mark B. Cronshaw and John D. Bolling, ARCO Oil and Gas Co.</td>
<td></td>
</tr>
<tr>
<td>Investigation of High-Temperature Fluid Loss Control Agents in Geothermal Drilling Fluids</td>
<td>191</td>
</tr>
<tr>
<td>by Leroy L. Carney, Carney Mud Consultants and Carney Oilfield Chemicals, Inc.; Necip Guven, Texas Tech University; and George T. McGrew, Alco Chemical Corp.</td>
<td></td>
</tr>
<tr>
<td>High-Temperature Drilling Fluid for Geothermal and Deep Sensitive Formations</td>
<td>201</td>
</tr>
<tr>
<td>by Larry W. Hilscher and William R. Clements, NL Baroid/NL Industries, Inc.</td>
<td></td>
</tr>
<tr>
<td>An ETP Interpretation Procedure and Application in Fresh Water, Shaly, Oil Sands</td>
<td>209</td>
</tr>
<tr>
<td>by J. M. (Buzz) Delano Jr. and Russel P. Wharton, Schlumberger Well Services</td>
<td></td>
</tr>
</tbody>
</table>
SPE 10739 Evaluation and Monitoring of Secondary and EOR Projects in California Based on the Continuous Carbon/Oxygen (C/O) Log 223

SPE 10740 Crossplot Technique for the Analysis of the Carbon/Oxygen Log 243
by William Jay O'Brien, ARCO Oil and Gas Co., and Susan L. Brown and Subir K. Sanyal, Stanford Petroleum Research Institute

SPE 10741 An Approach to Optimum Facility Siting 257
by Anil Mathur, William Mullen Haire, and James W. Earhart, Sohio Construction Co., and Susan E. Weaver, Sohio Petroleum Co.

SPE 10742 Analyzing an Oilfield Gas Handling System 263
by James W. Earhart, Anil Mathur, and William M. Haire, Sohio Construction Co.

SPE 10743 Analyzing the Performance of Gas Wells 275
by William R. Greene, Shell Oil Co.

SPE 10744 Operational Experiences of a Downhole Steam Generator 289
by Billy W. Marshall, Sandia Natl. Laboratories

SPE 10745 Downhole Steam Generator — Field Tests 301
by Rod L. Eson, Chemical Oil Recovery Co.

SPE 10746 Steam Injection Theories — A Unified Approach 309
by S. M. Farouq Ali, University of Alberta

SPE 10752 California Offshore Platform Development 321
by Robert C. Visser, Belmar Engineering & Management Services Co.

SPE 10753 Design Considerations of a Tension Leg Platform 339
by Susobhan Ghosh, Frank S. Chou, and Edward W. Huang, Brown & Root, Inc.

SPE 10755 Transportation Requirements for Drilling Operations on the Arctic North Slope of Alaska 365
by Jonathan F. Gulick, Sohio Alaska Petroleum Co.

SPE 10756 Improved Liner Cementing Techniques for Alaska’s Prudhoe Bay Field 377

SPE 10757 A New Low-Cost Permafrost Cementing System 387

SPE 10758 Modeling of Gas Injection in Fractured Reservoirs 393
by Aniefwk Sunday Eica and Iraj Ershaghi, University of Southern California

SPE 10759 The Effect of Lateral Anisotropy on Flood Pattern Dimensions and Orientation 413
by Stacy L. McElroy, Texas A&M University

SPE 10760 Analysis of Well-to-Well Tracer Flow To Determine Reservoir Heterogeneity 431
by Maghsood Abbazadeh-Dehghani and William E. Brigham, Stanford University
SPE 10761 An Experimental Investigation of Three-Phase Flow of Water-Oil-Gas Mixtures Through Water-Wet Sandstones 455
by Deoki N. Saraf, James P. Batycky, Clive H. Jackson, and Douglas B. Fisher, Petroleum Recovery Institute

SPE 10762 The Use of Simulation in Decision-Making for the Kuparuk River Field Development 473
by Peter Richard Clutterbuck and Simon Edward Dance, BP Alaska Exploration, Inc.

SPE 10763 Infinite-Acting Period Determination 491
by Brian David Gobrotn, ARCO Oil and Gas Co., and Maghsood Abbaszadeh-Dehghani, Susan L. Brown, and William E. Brigham, Stanford University

SPE 10764 A Sensitivity Study of the Effect of Parameters From an In-Situ Combustion Simulator 509
by Mohammed Anis, Myung K. Hwang, and Aziz S. Odeh, Mobil Research and Development Corp.

SPE 10766 Evaluation of an In-Situ Combustion Process by Post Burn Core and Log Analysis 523

SPE 10769 The Use of Foam in Stimulating Fractured California Reservoirs 543
by Mike G. Norton and Steve J. Hoffman, Argo Petroleum Corp.

SPE 10770 On-Site Acidizing Fluid Analysis Shows HCl and HF Contents Often Varied Substantially From Specified Amounts 553
by David R. Watkins and Glen E. Roberts, Union Oil Co. of California

SPE 10772 Deposit Buildup During Gravel Packing With Viscous Polymer Solutions and Water 565
by R. S. Torrest, Arizona State University

SPE 10773 Reasons for Production Decline in the Diatomite, Belridge Oil Field: A Rock Mechanics View 581
by Frank George Strickland, Dowell Div. of Dow Chemical, U.S.A.

SPE 10774 The Laboratory Development and Field Testing of Steam/Noncondensible Gas Foams for Mobility Control in Heavy Oil Recovery 591

SPE 10775 Evaluation of a Conventional Steam Drive With Ancillary Materials: North Kern Front Field 603
by Rod L. Eson and Stephen K. O'Nesky, Chemical Oil Recovery Co.

SPE 10776 Numerical Evaluation of the Effect of Simultaneous Steam and CO2 Injection on the Recovery of Heavy Oil 613
by Louis C. Leung, Intercomp Resource Development & Engineering Ltd.

SPE 10777 Steam Surfactant Systems at Reservoir Conditions 623
by Ali Habib Al-Khafaji, Pin-Ton Fred Wang, Louis M. Castanier, and William E. Brigham, Stanford Petroleum Research Institute
SPE 10778 Laboratory Test on Heavy Oil Recovery by Steam Injection .......... 643
by Philip J. Closmann, Shell Development Co., and Richard D. Seba, Shell Oil Co.

SPE 10779 The Thermodynamics of Evaporation and Condensation in Porous Media . 663
by Kent S. Udell, University of California

SPE 10780 New Pressure Transient Analysis Methods for Naturally Fractured
Reservoirs ................................................................................. 673
by Kelsen V. Serra, Albert C. Reynolds, and Rajagopal Raghavan,
University of Tulsa

SPE 10781 Application of Pressure Transient Analysis in Steam Injection Wells .... 693
by Gregory L. Messner and Richard L. Williams, Getty Oil Co.

SPE 10782 Well Pressure Behavior of a Naturally Fractured Reservoir .............. 711
by T. D. Streltsova, Exxon Production Research Co.

SPE 10784 Treatment of Wellbore Storage Effects in the Analysis of Pressure
Buildup and Drawdown Tests ....................................................... 727
by Tak Sing Lo and Gary K. Youngren, ARCO Oil and Gas Co.

SPE 10785 Unsteady-State Pressure Response Due to Production With a Slotted
Liner Completion ........................................................................ 745
by David Spivak and Roland N. Horne, Stanford University

SPE 10754 Selection of Optimum Platform Locations ................................. 755
by Sevgi Dogru, Core Laboratories, Inc.

SPE 10750 Effect of Preheating on Kern River Field Steam Drive .................... 765
by Joe L. Restine, Getty Oil Co.

No manuscript was received for the following paper:

SPE 10748 A Simplified Predictive Model for Steam-Drive Performance
by S.R. Aydelotte, Intercomp Resource Development & Engineering Inc.; G.A. Pope,
University of Texas; and T.L. Gould, Intercomp Resource Development & Engineering
Inc.