RANDALL S. SERIGHT

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Randy Seright heads the Reservoir Sweep Improvement group at the Petroleum Recovery Research Center of New Mexico Tech. His research focuses on developing methods to prevent fluid channeling through reservoirs and to reduce excess water and gas production during oil recovery, especially using polymers and gels. He has extensive interests and experience in improving sweep efficiency during water flooding and chemical flooding. He holds a B.S. degree in Chemical Engineering from Montana State University (Bozeman) and a Ph.D. degree in Chemical Engineering from the University of Wisconsin (Madison). He worked for Exxon Production Research Company for eight years before joining the PRRC. He is a life member of the Society of Petroleum Engineers. He has provided short courses on Polymer Flooding and Water Shutoff in 19 countries. He received the SPE/DOE IOR Pioneer award in 2008 for his work on using polymer and gels to improve oil recovery.

Education

Ph.D., 1978	Chemical Engineering,	University of Wisconsin, Madison.
National Science Foundation Fellow, 1975-1978		
B.S., 1975	Chemical Engineering,	Montana State University.

Professional Experience

1987 to 2023
NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
Title: Senior Engineer and Section Head, Reservoir Sweep Improvement, New Mexico Petroleum Recovery Research Center

1978-1986
EXXON PRODUCTION RESEARCH COMPANY, Houston, Texas
Title: Group Leader, Polymers and Alkaline Flooding (1980-1986)

Professional Organizations

Society of Petroleum Engineers
Executive Editor, Society of Petroleum Engineers Journal 2015-2018
2008 SPE/DOE IOR Pioneer Award
Co-Chair 2005 SPE Applied Technology Workshop on Chemical Flooding
International Board of Directors representing the Southwest North America Region, 2000-2002

Southwest Regional Service Award (1999)
Program Chairman of the 1998 SPE/DOE Improved Oil Recovery Symposium
Chairman of the Distinguished Lecturer Selection Committee (1998-1999)
Distinguished Lecturer for 1993-1994
Associate Editor for *SPE Reservoir Engineering* (1990-1996)
Associate Editor for *SPE Journal* (2008-2023)
Peer Apart Award
Outstanding Editor Awards *SPEJ*, *SPEREE*, *SPEPO* [1994, 1995, 2010, 2011, 2013, 2015(2), 2018, 2019, 2020(2), 2021, 2022(2), 2023]
Chairman of 1995 SPE International Symposium on Oilfield Chemistry
Chairman of 1995 Emerging & Peripheral Technology Technical Committee
Chairman for the Roswell Section, 1995-1996
Chairman for the IOR Pioneer Award Committee, 2021-

Research Grants and Contracts Awarded

1. SNF research grant (2022-2023): $100,000.
2. First Ever Field Pilot on Alaska's North Slope to Validate the Use of Polymer Floods for Heavy Oil EOR, DEFE0031606 (2018-2022): $623,734.78. US DOE ($498,987.82 DOE, $124,746.96 New Mexico State matching funds).
3. Saudi Aramco (2018-2019) $540,000.
4. SNF (2012-2014): $311,640.
5. Statoil (2012-2015): $780,200.
6. EnCana (2004-2011): $505,425.
7. Chevron (2006-2016): $686,000.
8. CP Kelco (2007): $80,000.
9. Use of Polymers to Recover Viscous Oil from Unconventional Reservoirs, $1,517,293.54 ($1,012,034.79 US DOE, $ 505,258.75 New Mexico State matching funds) October 2008-September 2011.
10. Use of Polymers to Recover Viscous Oil from Unconventional Reservoirs, $360,000 (Industrial funds from CP Kelco, SNF Floerger, Statoil, and ConocoPhillips) October 2008-September 2011.
11. Aperture-Tolerant, Chemical-Based Methods to Reduce Channeling, $1,199,903 ($799,976 US DOE, $399,927 New Mexico State matching funds) October 2004-September 2007.
12. Aperture-Tolerant, Chemical-Based Methods to Reduce Channeling, $180,000 (Industrial funds from ConocoPhillips, ExxonMobil, and Marathon) October 2004-September 2007.
13. Conformance Improvement Using Gels, $1,839,393 ($1,226,075 US DOE; $612,518 New Mexico State matching funds) September 2001-September 2004.
14. Conformance Improvement Using Gels, $240,000 (Industrial funds from BP, ConocoPhilips, Marathon, PDVSA, Shell and YuganskNIPIneft). September 2001 - September 2004.
15. Using Chemicals to Optimize Conformance Control in Fractured Reservoirs, $1,420,984 ($900,000 US DOE, $420,984 New Mexico State matching funds), October 1998-September 2001.
16. Using Chemicals to Optimize Conformance Control in Fractured Reservoirs, $540,000 (Industrial funds from British Petroleum, Chevron, Chinese Petroleum Corporation,

Chinese National Petroleum Corporation, Marathon, Saga, Schlumberger, Shell, and Texaco), October 1998-September 2001.

17. Improved Methods for Water Shutoff, $1,066,667 ($800,000 US DOE/BDM-Oklahoma, $266,667 New Mexico State matching funds), May 1996-September 1998.
18. Improved Methods for Water and Gas Shutoff, $500,000 (Industrial funds from ARCO, British Petroleum, Chevron, Chinese Petroleum Corporation, Conoco, Eniricerche (AGIP), Exxon, Halliburton, Marathon, Norsk Hydro, Phillips, Saga, Schlumberger, Shell, Statoil, Texaco, and Unocal), October 1995-September 1998.
19. Improved Techniques for Fluid Diversion in Oil Recovery, $1,304,036 ($604,130 US DOE, $699,906 New Mexico State matching funds), October 1992-September 1995.
20. Improved Techniques for Fluid Diversion in Oil Recovery, $190,000 (Industrial funds from ARCO, British Petroleum, Chevron, Conoco, Exxon, Marathon, Mobil, Phillips, Texaco, and Unocal), May 1993-October 1995. (Industrial consortium formed through the Completion Engineering Association.)
21. Candidate Selection and Placement Techniques in Water Shutoff Processes, $240,000 ($120,000 Industry: ARCO, Chevron, Conoco, Exxon, Marathon, Mobil, Phillips, Unocal; $120,000 New Mexico State matching funds), May 1992-April 1993.
22. Fluid Diversion and Sweep Improvement with Chemical Gels in Oil Recovery Processes, $903,900 ($420,000 US DOE, $210,000 NMRDI, $38,900 NMIMT, $235,000 Industry: Amoco, Conoco, Elf Aquitaine, Marathon, Mobil, Oryx, Oxy, Phillips, Shell, Texaco), May 1989-April 1992. (Industrial consortium formed through the Reservoir Recovery Forum.)

Papers and Publications

1. Aitkulov, A., Redwine, C., Alvord, J., Edwards, R., Seright. R.S. 2024. Polymer Solution Quality Control and Polymer Flood Performance at Milne Point. Paper SPE 218214 presented at the SPE Improved Oil Recovery Conference. Tulsa, Oklahoma. 23-25 April. doi:10.2118/218214-MS.
2. Brattekas, B. and Seright, R.S. 2023. A Review of Polymer Gel Utilization in Carbon Dioxide Flow Control at the Core and Field Scale. SPE Journal **28**. doi:10.2118/217427-PA.
3. Seright, R.S. Wang, D. 2023. Literature Review and Experimental Observations of the Effects of Salinity, Hardness, Lithology, and ATBS Content on HPAM Polymer Retention for the Milne Point Polymer Flood. SPE Journal **28**(05): 2300-2315. doi:10.2118/212946-PA.
4. Seright, R.S., Azad, M., Abdullah, M., Delshad, M. 2023. Effect Of Residual Oil Saturation and Salinity on HPAM Rheology In Porous Media. Paper SPE 215060 presented at the SPE Annual Technical Conference and Exhibition. San Antonio, Texas. 16-18 October. doi:10.2118/215060-MS.
5. Abdullah, M., Delshad, M., Sepehrnoori. K., Seright, R.S. 2023. An Analytical Tool to Predict Fracture Extension and Elastic Desaturation for Polymer Field Projects. Paper SPE 215083 presented at the SPE Annual Technical Conference and Exhibition. San Antonio, Texas. 16-18 October. doi:10.2118/215083-MS.
6. Wang, D., Namie, S., Seright, R.S. 2023. Water-Intake Profile Analysis for the First Ever Polymer Flooding to Heavy Oils on Alaska's North Slope for Potential of Improved Recovery. Paper presented at the SPE/AAPG/SEG Unconventional Resources Technology Conference, Denver, Colorado, USA, June 2023. doi: https://doi.org/10.15530/urtec-2023-3853961.
7. Seright, R.S. Wang, D. 2023. Impact of Salinity, Hardness, Lithology, and ATBS Content on HPAM Polymer Retention for the Milne Point Polymer Flood. Paper SPE 212946 presented at the SPE Western Regional Meeting. Anchorage, Alaska. 22-25 May. doi:10.2118/212946-MS.

8. Seright. R.S., Wang, D. 2023 Polymer Flooding: Current Status and Future Directions. *Petroleum Science* **20**(2023): 910-921. doi: 10.1016/j.petsci.2023.02.002.
9. Dandekar, A., Bai, B., Barnes, J., Cercone, D., Edwards, R., Ning, S., Seright, R.S., Sheets, B., Wang, D., Zhang Y. 2023. The Success Story of First Ever Polymer Flood Field Pilot to Enhance the Recovery of Heavy Oils on Alaska's North Slope. Paper presented at the SPE Western Regional Meeting, Anchorage, Alaska, USA, May 2023. doi: https://doi.org/10.2118/212973-MS.
10. Seright, R.S. Wang, D. 2022. Polymer Retention "Tailing" Phenomenon Associated with the Milne Point Polymer Flood. *SPE Journal* **27**(5): 2863-2881. doi:10.2118/209354-PA.
11. Sagyndikov, M.S., Kushekov, R.M., & Seright, R.S. (2022) Review of Important Aspects and Performances of Polymer Flooding versus ASP Flooding. Bulletin of the University of Karaganda – Chemistry. https://doi.org/10.31489/2022Ch3/3-22-13.
12. Wang, D., Namie, S., and Seright, R.S. 2022. Pressure Modification or Barrier Issues during Polymer Flooding Enhanced Oil Recovery. *Geofluids* **2022**, Article ID 6740531. Wiley Hindawi. doi: 10.1155/2022/6740531.
13. Sagyndikov, M., Seright., R.S., Kudaibergenov, S., and Ogay, E. 2022. Field Demonstration of the Impact of Fractures on HPAM Injectivity, Propagation and Degradation. *SPE Journal* **27**(2): 999-1016. doi:10.2118/208611-PA.
14. Wang, D., Namie, S., Seright, R.S. 2022. Pressure Barrier Applicability to Polymer Flood Design. Paper SPE 209462 presented at the SPE Virtual Improved Oil Recovery Conference. 25-29 April 2022. doi:10.2118/209462-MS.
15. Sagyndikov, M.S., Seright, R.S., Tuyakov, N. 2022. An Unconventional Approach to Model a Polymer Flood in the Kalamkas Oilfield. Paper SPE 209355 presented at the SPE Virtual Improved Oil Recovery Conference. 25-29 April 2022. doi:10.2118/209355-MS.
16. Seright, R.S. Wang, D. 2022. "Tailing" Phenomenon During Polymer Propagation at the Milne Point Polymer Flood. Paper SPE 209354 presented at the SPE Virtual Improved Oil Recovery Conference. 25-29 April 2022. doi:10.2118/209354-MS.
17. Sagyndikov, M.S., Salimgarayev, I.I., Ogay, E.K., Seright, R.S., Kudabergenov, S.E. 2022. Assessing Polyacrylamide Solution Chemical Stability during a Polymer Flood in the Kalamkas Field, Western Kazakhstan, *Bulletin of the University of Karaganda Chemistry*, **105**(1), 99-112. doi:10.31489/2022Ch1/99-112.
18. Wang, D., Seright, R.S. 2021. Examination of Literature on Colloidal Dispersion Gels for Oil Recovery. *Petroleum Science* **18**(2021): 1097-1114). doi:10.1016/j.petsci.2021.07.009.
19. Dandekar, A., B. Bai, B., Barnes, J., Cercone, D., Ciferno, J., Edwards, R., Ning, S., Schulpen, W., Seright, R., Sheets, B., Wang, D., Zhang, Y. 2021. Heavy Oil Polymer EOR in the Challenging Alaskan Arctic - It Works! Paper URTeC 5077 presented at the Unconventional Resources Technology Conference held in Houston, Texas, USA, 26-28 July.
20. Zhao, Y., Yin, S., Seright, R. S., Ning, S., Zhang, Y., & Bai, B. 2021. Enhancing Heavy-Oil-Recovery Efficiency by Combining Low-Salinity-Water and Polymer Flooding. *SPE Journal SPE Journal* **26**(3): 1535–1551. doi:10.2118/204220-PA.
21. Ghosh, P., Ould Metidji, M, Dupuis, G., Wilton, R., Ravikiran, R., Bowers, A., Seright, R. 2021. Pushing the Envelope of Polymer Injectivity in Low Permeability Sandstones. Paper 35 presented at the EAGE IOR 2021 21st European Symposium on Improved Oil Recovery. Online Event. 19-22 April.
22. Seright, R. & Brattekas, B. 2021. Water Shutoff and Conformance Improvement: An Introduction. Petroleum Science (February 4) 18:450-478. doi: 10.1007/s12182-021-00546-1.
23. Seright, R.S., Wavrik, K.E., Zhang, G. & AlSofi, A.M. 2021. Stability and Behavior in Carbonate Cores for New EOR Polymers at Elevated Temperatures in Hard Saline Brines. *SPE Reservoir Evaluation & Engineering* **24**(1) 1-18. doi:10.2118/200324-PA.
24. Dandekar, A., Bai, B., Barnes, J., Cercone, D., Ciferno, J., Edwards, R., Ning, S., Schulpen, W., Seright., R., Sheets, B., Wang, D., Zhang, Y. 2021. First Ever Polymer Flood Field To Enhance

The Recovery Of Heavy Oils On Alaska's North Slope - Pushing Ahead One Year Later. Paper SPE 200814 presented at the SPE Western Regional Meeting. Bakersfield, California. 20-22 April. doi:10.2118/195257-MS.

25. Wang, D., Li, C., & Seright, R.S. 2020. Laboratory Evaluation of Polymer Retention in a Heavy Oil Sand for a Polymer Flooding Application on Alaska's North Slope. *SPE Journal* **25**(4) 1842-1856. doi:10.2118/200428-PA.
26. Brattekås, B., Seright, R., & Ersland, G. 2020. Water Leakoff During Gel Placement in Fractures: Extension to Oil-Saturated Porous Media. *SPE Production & Operations* **34**(2) 202-213. doi:10.2118/190256-PA
27. Brattekås, B., & Seright, R. 2020. The Mechanism for Improved Polymer Gel Blocking During Low-Salinity Waterfloods, Investigated Using Positron Emission Tomography Imaging. *Transport in Porous Media*. Springer (May 6, 2020). https://doi.org/10.1007/s11242-020-01417-w.
28. Seright, R.S., Wavrik, K.E., Zhang, G. & AlSofi, A.M. 2020. Stability and Behavior in Carbonate Cores for New EOR Polymers at Elevated Temperatures in Hard Saline Brines. Paper SPE 200324 presented at the SPE Improved Oil Recovery Conference. Tulsa, Oklahoma. August 29-September 2, 2020.
29. Liang, B., Jiang, H., Li, J., Li., M., Lan, Y., & Seright, R. 2020. Sizing Gelant Treatment for Conformance Control in Hydraulically Fractured Horizontal Wells. Paper SPE 200338 presented at the SPE Improved Oil Recovery Conference. Tulsa, Oklahoma. August 29-September 2, 2020.
30. Wang, D., Li, C., & Seright, R.S. 2020. Polymer Retention Evaluation in a Heavy Oil Sand for a Polymer Flooding Application on Alaska's North Slope. Paper SPE 200428 presented at the SPE Improved Oil Recovery Conference. Tulsa, Oklahoma. August 29-September 2, 2020.
31. Dandekar, A., Bai, B., Barnes, J., Cercone, D., Ciferno, J., Ning, S., Seright., R., Sheets, B., Wang, D., Zhang, Y. 2019. First Ever Polymer Flood Field Pilot - A Game Changer to Enhance the Recovery of Heavy Oils on Alaska's North Slope. Paper SPE 195257 presented at the SPE Western Regional Meeting. San Jose, California. 23-26 April. doi:10.2118/195257-MS.
32. Seright, R. S., Wang, D., Lerner, N., Nguyen, A., Sabid, J., & Tochor, R. 2018. Can 25-cp Polymer Solution Efficiently Displace 1,600-cp Oil During Polymer Flooding? *SPE Journal* **23**(6) 2260-2278. doi:10.2118/190321-PA.
33. Brattekås, B. and R. S. Seright (2018). "Implications for improved polymer gel conformance control during low-salinity chase-floods in fractured carbonates." *Journal of Petroleum Science and Engineering* **163**: 661-670.
34. Seright, R. S., Wang, D., Lerner, N., Nguyen, A., Sabid, J., & Tochor, R. Beneficial Relative Permeabilities for Polymer Flooding. Paper SPE 190321 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 14 April. doi:10.2118/190321-MS.
35. Brattekås, B., Ersland, G., & Seright, R. S. 2018. Solvent Leakoff During Gel Placement in Fractures: Extension to Oil-Saturated Porous Media. Paper SPE 190256 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 14 April. doi:10.2118/190256-MS.
36. Liang, B. Jiang, H., Li., J., Seright. R.S., and Lake, L.W. 2017. Further Insights into the Mechanism of Disproportionate Permeability Reduction. Paper SPE 187364 presented at the SPE Annual Technical Conference and Exhibition. San Antonio, Texas. 9-11 October. http://dx.doi.org/10.2118/187364-MS.
37. Wang, D., Seright, R.S., Moe Soe Let, K.P., Bhoendie, K., and Paidin, W.R. 2017. Compaction and Dilation Effects on Polymer Flood Performance. Paper SPE 185851 presented at the SPE Europec featured at 79th EAGE Conference and Exhibition. Paris, France. 12-15 June. http://dx.doi.org/10.2118/185851-MS.
38. Wan, Hao, and Seright, R.S. 2017. Is Polymer Retention Different Under Anaerobic vs. Aerobic Conditions? *SPE Journal* **22**(2): 431-437. http://dx.doi.org/10.2118/179538-PA.

39. Brattekas, B., Steinsbo, M., Graue, A., Ferno, M.A., Espedal, H., and Seright, R.S. 2017. New Insight into Wormhole Formation in Polymer Gel during Water Case Floods with Positron Emission Tomography. *SPE Journal* **22**(1): 32-40. http://dx.doi.org/10.2118/180051-PA.
40. Seright, R.S. 2017. How Much Polymer Should Be Injected during a Polymer Flood? Review of Previous and Current Practices. *SPE Journal* **22**(1): 1-18. http://dx.doi.org/10.2118/179543-PA.
41. Brattekas, B., Steinsbo, M., Graue, A., Ferno, M.A., Espedal, H., and Seright, R.S. 2016. New Insight into Wormhole Formation in Polymer Gel during Water Case Floods with Positron Emission Tomography. Paper SPE 180051 presented at the SPE Bergen One Day Seminar. Bergen, Norway. 20-April http://dx.doi.org/10.2118/180051-MS.
42. Brattekas, B., Graue, A., and Seright, R.S. 2016. Low Salinity Chase Waterfloods Improve Performance of Cr(III)-Acetate HPAM Gel in Fractured Cores. *SPE Res Eval & Eng*. **19**(2): 331-339. http://dx.doi.org/10.2118/173749-PA.
43. Seright, R.S. 2016. How Much Polymer Should Be Injected during a Polymer Flood? Paper SPE 179543 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 11–13 April. http://dx.doi.org/10.2118/179543-MS.
44. Wan, Hao, and Seright, R.S. 2016. Is Polymer Retention Different Under Anaerobic vs. Aerobic Conditions? Paper SPE 179538 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 11–13 April. http://dx.doi.org/10.2118/179538-MS.
45. Seright, R.S., and Skjevrak, I. 2015. Effect of Dissolved Iron and Oxygen on Stability of HPAM. *SPEJ* **20**(3): 433-441. doi:10.2118/169030-PA
46. Brattekas, B., Pederson, S., Nistov, H., Haugen, A., Graue, A., Liang, J-T., and Seright, R. 2015. The Effect of Cr(III) Acetate-HPAM Gel Maturity on Washout from Open Fractures. *SPE Production & Operations* **30**(2): 99-109. http://dx.doi.org/10.2118/169064-PA.
47. Brattekas, B., Graue, A., and Seright, R.S. 2015. Low Salinity Chase Waterfloods Improve Performance of Cr(III)-Acetate HPAM Gel in Fractured Cores. Paper SPE 173749 presented at the SPE International Symposium on Oilfield Chemistry. The Woodlands, Texas, 13–15 April.
48. Zhang, Guoyin, and Seright, R.S. 2015. Hydrodynamic Retention and Rheology of EOR Polymers in Porous Media. Paper SPE 173728 presented at the SPE International Symposium on Oilfield Chemistry. The Woodlands, Texas, 13–15 April.
49. Manichand, R.N., and Seright, R.S. 2014. Field vs Laboratory Polymer Retention Values for a Polymer Flood in the Tambaredjo Field. *SPE Res Eval & Eng*. **17**(3): 314–325 http://dx.doi.org/10.2118/169027-PA.
50. Zhang, Guoyin, and Seright, R.S. 2014. Effect of Concentration on HPAM Retention in Porous Media. *SPEJ* **19**(3): 373–380. Paper 166256. http://dx.doi.org/10.2118/166256-PA.
51. Brattekas, B., Pederson, S., Nistov, H., Haugen, A., Graue, A., Liang, J-T., and Seright, R. 2014. The Effect of Cr(III) Acetate-HPAM Gel Maturity on Washout from Open Fractures. Paper SPE 169064 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 12–16 April. http://dx.doi.org/10.2118/169064-MS.
52. Seright, R.S., and Skjevrak, I. 2014. Effect of Dissolved Iron and Oxygen on Stability of HPAM. Paper SPE 169030 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 12–16 April. http://dx.doi.org/10.2118/169030-MS.
53. Manichand, R., and Seright, R. 2014. Field vs Laboratory Polymer Retention Values for a Polymer Flood in the Tambaredjo Field. Paper SPE 169027 presented at the SPE Improved Oil Recovery Symposium. Tulsa, Oklahoma. 12–16 April. http://dx.doi.org/10.2118/169027-MS.
54. Brattekås, B., Haugen, Å., Graue, A., and Seright, R. 2014. Gel Dehydration by Spontaneous Imbibition of Brine from Aged Polymer Gel. *SPEJ* **19**(1): 122–134. Paper 153118. http://dx.doi.org/10.2118/153118-PA.
55. Manichand, R., Moe Soe Let, K., Gil, L., Quillien, B., and Seright, R. 2013. Effective Propagation of HPAM Solutions through the Tambaredjo Reservoir during a Polymer Flood. *SPE Prod & Oper* **28**(4): 358–368. Paper SPE 164121. http://dx.doi.org/10.2118/164121-PA.

56. Zhang, G., and Seright, R. 2013. Effect of Concentration on HPAM Retention in Porous Media. Paper SPE 166265 presented at the 2013 SPE Annual Technical Conference and Exhibition. New Orleans, Louisiana. 30 September–2 October. http://dx.doi.org/10.2118/166256-MS.
57. Manichand, R., Moe Soe Let, K., Gil, L., Quillien, B., and Seright, R. 2013. Effective Propagation of HPAM Solutions through the Tambaredjo Reservoir during a Polymer Flood. Paper SPE 164121 presented at the SPE International Symposium on Oilfield Chemistry. The Woodlands, Texas, 8–10 April. http://dx.doi.org/10.2118/164121-MS.
58. Wang, D., Butler, R., Zhang, J., and Seright, R. 2012. Wettability Survey in Bakken Shale Using Surfactant Formulation Imbibition. *SPE Res Eval & Eng* **15**(6): 695–705. Paper SPE 153853. http://dx.doi.org/10.2118/153853-MS.
59. Seright, R., Zhang, G., Akanni, O., and Wang, D. 2012. A Comparison of Polymer Flooding with In-Depth Profile Modification. *J. Cdn. Pet. Tech.* **51**(5): 393–402. Paper SPE 146087. http://dx.doi.org/10.2118/146087-PA.
60. Moe Soe Let, K., Manichand, R., and Seright, R. 2012. Polymer Flooding a ~500-cp Oil. Paper SPE 154567 presented at the 2012 SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, 14–18 April. http://dx.doi.org/10.2118/154567-MS.
61. Brattekås, B., Haugen, Å., Graue, A., and Seright, R. 2012. Gel Dehydration by Spontaneous Imbibition of Brine from Aged Polymer Gel. Paper SPE 153118 presented at the 2012 SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, 14–18 April. http://dx.doi.org/10.2118/153118-PA.
62. Wang, D., Butler, R., Zhang, J., and Seright, R. 2012. Wettability Survey in Bakken Shale Using Surfactant Formulation Imbibition. Paper SPE 153853 presented at the 2012 SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, 14–18 April. http://dx.doi.org/10.2118/153853-MS.
63. Seright, R., Fan, T., Wavrik, K., Wan, H., Gaillard, N., and Favero, C. 2011. Rheology of a New Sulfonic Associative Polymer in Porous Media. *SPE Res Eval & Eng* **14**(6): 726–734. Paper SPE 141355. http://dx.doi.org/10.2118/141355-PA.
64. Seright, R., Zhang, G., Akanni, O., and Wang, D. 2011. A Comparison of Polymer Flooding with In-Depth Profile Modification. Paper SPE 146087 presented at the 2011 CSUG/SPE Canadian Unconventional Resources Conference, Calgary, Alberta, Canada, 15–17 November. http://dx.doi.org/10.2118/146087-MS.
65. Willhite, G. and Seright, R. eds. 2011. *Polymer Flooding*. Richardson, Texas, SPE.
66. Seright, R., Fan, T., Wavrik, K., and Balaban, R. 2011. New Insights into Polymer Rheology in Porous Media. *SPEJ* **16**(1): 35–42. Paper SPE 129200. http://dx.doi.org/10.2118/129200-PA.
67. Seright, R., Fan, T., Wavrik, K., et al. 2011. Rheology of a New Sulfonic Associative Polymer in Porous Media. Paper SPE 141355 presented at the SPE International Symposium on Oilfield Chemistry, The Woodlands, Texas, 11–13 April 2011. http://dx.doi.org/10.2118/141355-MS.
68. Seright, R. and Jikich, S. 2011. Polymer Floods Move into Viscous Oil. *American Oil and Gas Reporter* **54**(2): 115–123.
69. Kamaraj, K., Zhang, G., Liu, Y., and Seright, R. 2011. Effect of Residual Oil Saturation on Recovery Efficiency during Polymer Flooding of Viscous Oils. Paper OTC 22040 presented at the Arctic Technology Conference, Houston, Texas, 7–9 February. http://dx.doi.org/10.4043/22040-MS.
70. Seright, R., Fan, T., Wavrik, K., and Balaban, R. 2011. New Insights into Polymer Rheology in Porous Media. *SPEJ* **16**(01): 35–42. Paper SPE 129200. http://dx.doi.org/10.2118/129200-PA .
71. Seright, R. 2010. Potential for Polymer Flooding Viscous Oils. *SPE Reservoir Evaluation and Engineering* **13**(4): 730–740. Paper SPE 129899. http://dx.doi.org/10.2118/129899-PA

72. Seright, R., Campbell, A., Mozley, P., and Han, P.: Stability of Partially-Hydrolyzed Polyacrylamides at Elevated Temperatures in the Absence of Divalent Cations. *SPEJ* **15**(2): 341–348. Paper SPE 121460-PA. http://dx.doi.org/10.2118/121460-PA.
73. Seright, R., Fan, T., Wavrik, K., and Balaban, R. 2010. New Insights into Polymer Rheology in Porous Media. Paper SPE 129200 presented at the SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, USA, 24–28 April. http://dx.doi.org/10.2118/129200-MS .
74. Seright, R. 2010. Potential for Polymer Flooding Reservoirs with Viscous Oils. Paper SPE 129899 presented at the SPE Improved Oil Recovery Symposium, Tulsa, Oklahoma, USA, 24–28 April. http://dx.doi.org/10.2118/129200-MS.
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