



REFERENCES

- Ballinas, J., Evaluation and Control of Drilling, Completion and Workover Events with Permanent Downhole Monitoring: Applications to Maximize Production and Optimize Reservoir Management, SPE 74395 presented at the SPE International Petroleum Conference and Exhibition of Mexico held in Villahermosa, Mexico, 2002.
- Berge, F., Hepburn, N., Bowling, J., and Gronas, T., A New Generation Multilateral System for the Troll Olie Field-Development and Case History, SPE 71837 presented at the Offshore Europe Conference held in Aberdeen, Scotland, 2001.
- Bosworth, S., El-Sayed, H.S., Ismail, G., Ohmer, H., and Retnanto, A., 1998. Key Issue in Multilateral Technology, Oil field review.
- Brister, A.R., Analyzing a Multilateral-Well Failure in the East Wilmington Field of California, SPE 51180 presented at the 1997 SPE Western Regional Meeting held in Long Beach, California, U.S.A., 1998.
- Brister, R. and Oberkircher, J., The Optimum Junction Depth for Multilateral Wells, SPE 64699 presented at the SPE International Oil and Gas Conference and Exhibition in China held in Beijing, China, 2000.
- Ehlig-Economides, C.A., Chan, K.S., and Spath, J.B., Production Enhancement Strategies for Strong Bottom Water Drive Reservoir, SPE 36613 presented at the 1996 SPE Annual Technical Conference and Exhibition held in Denver, Colorado, U.S.A, 1996.
- El-Sayed, A.H. and Amro, M.M., Performance of Multilateral Wells, SPE/IADC 57542 presented at the 1999 SPE/IADC Middle East Drilling Technology Conference held in Abu Dhabi, UAE, 1999.

- Erlandsen, S.M., Production Experience From Smart Wells in the Oseberg Field, SPE 62953 presented at the 2000 SPE Annual Technical Conference and Exhibition held in Dallas, Texas, U.S.A., 2000.
- Fanchi, J.R., Analytical Representation of the van Everdingen-Hurst Aquifer Influence Functions for Reservoir Simulation, SPE 12565, JPT, 1985.
- Ferraro, P., Progettazione e Valutazione di Pozzi Multilaterali in Giacimento ad Olio di Tipo Omogeneo, Dipartimento di Georisorse e Territorio, Politecnico di Torino, Torino, Italia, 2003.
- Glandt, C.A., Reservoir Aspects of Smart Wells, SPE 81107 presented at SPE Latin American and Caribbean Petroleum Engineering Conference held in Port-of-Spain, Trinidad, West Indies, 2003.
- Gutierrez, O.D., Carreno, Z., Garrido, M., Leen, A., and Mohtadi, M., Using Multilateral Well Technology to Improve Recovery Factor by Water Flooding in a Giant Mature Oil Field in Venezuela Lagunilla Inferior (LL-03), SPE/PS-CIM/CHAO 78955 presented at the 2002 SPE International Thermal Operations and Heavy Oil Symposium and International Horizontal Well Technology Conference held in Calgary, Alberta, Canada, 2002.
- Hogg, C., Comparison of Multilateral Completion Scenarios and Their Application, SPE 38493 presented at the Offshore Europe Conference held in Aberdeen, Scotland, 1997.
- Jackson Nielsen, V.B., Piedras, J., Stimatz, G.P., and Webb, T.R., Aconcagua, Camden Hills, and King's Peak Fields, Gulf of Mexico Employ Intelligent Completion Technology in Unique Field Development Scenario, SPE 71675 presented at the 2001 SPE Annual Technical Conference and Exhibition held in New Orleans, Louisiana, U.S.A., 2001.
- Jones, R.C., Re-entry of Existing Wells for Drilling and Completion of Multi-Lateral Wells, SPE/IADC 29362 presented at the 1995 SPE/IADC Drilling Conference held in Amsterdam, Netherland, 1995.

- Konopczynski, M.R., Moore, W.R., and Hailstone, J.J., ESPs and Intelligent Completions, SPE 77656 presented at the SPE Annual Technical Conference and Exhibition held in San Antonio, Texas, U.S.A., 2002.
- Marescalco, P., Valutazione dell' Efficienza di Pozzi Non Convenzionali in Giacimenti a Olio di Tipo Eterogeneo, Dipartimento di Georisorse e Territorio, Politecnico di Torino, Torino, Italia, 2003.
- Naevdal, G., Liv, M.J., Aanonsen, S.I., and Vefring, E.H., Reservoir Monitoring and Continuous Model Updating Using Ensemble Kalman Filter, SPE 84372 presented at the 2000 SPE Annual Technical Conference and Exhibition held in Denver, Colorado, U.S.A., 2003.
- Nyhavn, F., Vassenden, F., and Singstad, P., Reservoir Drainage with Downhole Permanent Monitoring and Control Systems. Real time Integration of Dynamic Reservoir Performance Data and Static Reservoir Model Improves Control Decisions, SPE 62937 presented at the 2000 SPE Annual Technical Conference and Exhibition held in Dallas, Texas, U.S.A., 2000.
- Oberkircher, J.P., The Economic Viability of Multilateral Wells, SPE 59202 presented at the 2000 IADC/SPE Drilling Conference held in New Orleans, Louisiana, U.S.A., 2000.
- Oberkircher, J., Thackway, I., Boon or Bane? A Survey of the First 10 Years of Modern Multilateral Wells, SPE 84025 presented at the SPE Annual Technical Conference and Exhibition held in Denver, Colorado, U.S.A., 2003.
- Retnanto, A., Frick, T.P., and Brand, C.W., Optimal Configurations of Multiple-Lateral Horizontal Wells, SPE 35712 presented at the SPE Western Regional Meeting held in Anchorage, U.S.A., 1996.
- Rivera, N., Jensen, J.L., Spivey, J.P., and Jardon, M., Economic Comparisons of Multilateral and Horizontal Wells in Water-Drive Reservoirs, SPE 80927 presented at the SPE Production and Operations Symposium held in Oklahoma City, Oklahoma, U.S.A., 2003.

- Robinson, C.E., Overcoming the Challenges Associated with the Life-Cycle Management of Multi Lateral Wells: Assessing Moves Towards the "Intelligent Completion", SPE 38497 presented at the 1997 Offshore Europe Conference held in Aberdeen, Scotland, 1997.
- Rocha, L.A.S., Andrade, R., and Freire, H.L.V., Important Aspects Related to the Influence of Water Depth on ERW., SPE 87218 presented at the IADC/SPE Drilling Conference held in Dallas, Texas, U.S.A., 2004.
- Rundgren, G., Algeroy, J., Hestenes, L.E., Jokela, T., and Raw, I., Installation of Advanced Completions in the Oseberg 30/9-B-38 B Well, SPE 71677 presented at the 2001 SPE Annual Technical Conference and Exhibition held in New Orleans, Louisiana, U.S.A., 2001.
- Schroeter, D.R., Successful Application of Drilling Technology Extends Directional Capability, SPE 17660 presented at an operational overview of the application of measurement-while-drilling (MWD) directional equipment, polycrystalline diamond-compact (PDC) bits, a top-drive drilling system (TDS), and low-toxicity oil-based-mud (LTOBM) technology for cost reductions in the drilling of long-reach directional wells in the South China Sea offshore Malaysia. 1989.
- Shi, H., Holms, J.A., Aziz, K., Diaz, L.R., and Alkaya, B., Drift-Flux Modeling of Multiphase Flow in Wellbores, SPE 84228 presented at the SPE Annual Technical Conference and Exhibition held in Denver, Colorado, U.S.A., 2003.
- Sotomayor, G., Oliveira, R., and Alves, I., Application of Multilateral Well Technology in the Deep Waters of the Campos Basin: history and Probable Evolution, SPE 67761 presented at the SPE/IADC Drilling Conference held in Amsterdam, The Netherlands, 2001.

- Stalder, J.L., York, G.D., Kopper, R.J., Curtis, C.M., and Cole, T.L., Multilateral-Horizontal Wells Increase Rate and Lower Cost Per Barrel in the Zuata Field, Faja, Venezuela, SPE 69700 presented at the 2001 SPE International Thermal Operations and Heavy Oil Symposium held in Porlamar, Margarita Island, Venezuela, 2001.
- Sugiyama, H., Tochikawa, T., Peden, J.M., and Nicoll, C., The Optimal Application of Multilateral/Multibranch Completions, SPE 38033 presented at the 1977 SPE Asia Pacific Oil and Gas Conference held in Kuala Lumpur, Malaysia, 1997.
- Tauhbøl, K., Lilledal, L., Juel, H., Svanes, K., and Jakobsen, T. M., The Completion of Subsea Production Wells Eased by the Use of a Unique, High-Density, Solids-Free, Oil Based Completion Fluid, SPE 87126 presented at the IADC/SPE Drilling Conference held in Dallas, Texas, U.S.A., 2004.
- Thompson, M., Sarkar, R., and Parker, E.D., Predicting the Reservoir Response to Intelligent Wells, SPE 65143 at the SPE European Petroleum Conference held in Paris, France, 2000.
- Tubel, P. and Hopmann, M., Intelligent Completion for Oil and Gas Production Control in Subsea Multi-lateral Well Application, SPE 36582 presented at the 1996 SPE Annual Technical Conference and Exhibition held in Denver, Colorado, U.S.A., 1996.
- Vij, S.K., Durlofsky, L.J., and Aziz, K., Optimization of Smart Well Control, SPE/CIM/CHAO 79031 presented at the 2002 SPE International Thermal Operations and Heavy Oil Symposium and International Horizontal Well Technology Conference held in Calgary, Alberta, Canada, 2002.
- Vullingsh, P. and Dech, J.A., Multilateral Well Utilization on the Increase, SPE 56954 presented at the 1999 SPE Offshore Europe Conference held in Aberdeen, Scotland, 1999.

Yu, S., Davies, D.R., and Sherrard, D.W., The Modeling of Advanced “Intelligent” Well-An Application, SPE 62950 presented at the 2000 SPE Annual Technical Conference and Exhibition held in Dallas, Texas, U.S.A., 2000.

Zhu, D., Hill, A.D., and Landrum, W.R., Evaluation of Crossflow Effect in Multilateral Wells, SPE 75250 presented at the SPE/DOE Thirteen Improved Oil Recovery Symposium held in Tulsa, Oklahoma, U.S.A., 2002.



VITAE

Falan Srisuriyachai was born on January 1, 1980 in Ubonratchathani, Thailand. He received his B.Sc. in Chemical Engineering from the Faculty of Science, Chulalongkorn University in 2000. He has been a graduate student in the Master's Degree Program in Petroleum Engineering at the Department of Mining and Petroleum Engineering, Chulalongkorn University since 2001.