



ESP Workshop

2015 ESP WORKSHOP The Woodlands Waterway Marriott Hotel, The Woodlands, Texas

Wednesday, April 22, 2015

SESSION I – UNCONVENTIONAL CO-CHAIRS: Noel Putscher, Jeff Dwiggins

8:00	Keynote Speaker: Shauna Noonan, ConocoPhillips
9:00	Improving ESP Runlife in a New Field (Mississippi Lime) Authors: Anville Francis, Jesse Allen – Chesapeake Corporation; Salvatore Grande – Magney Grande Distribution, Inc.; Sandy Williams, Artificial Lift Performance Ltd.
9:30	ESP System Configurations with Flexibility to Manage Unconventional Wells in the Mississippi Lime Formation Authors: Jesse Allen – Chesapeake Energy; Nick James, Diego Navaez - Schlumberger
10:00	BREAK
10:30	Planning, Development & Piloting of a Slim Hole ESP in a Deep HP HT Gas Condensate Shale Play Authors: Tara L. Smith, Ryan C. Chachula – Encana Corporation; Curtis J. Goulet, David E. Fortnum – Baker Hughes Artificial Lift
11:00	Managing Unsteady Multiphase Flow from Horizontal Wells with ESP Systems Authors: Dawn H. Darling – Samson Resources; Denis Kutluev, Wen Hui Zhuang, Diego Narvaez - Schlumberger
11:30	Pioneering Completion and Production Techniques for Unconventional Plays in the Permian Basin Authors: Bradley Gies, Diego Narvaez - Schlumberger
12:00	LUNCH



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SESSION II – GAS / HIGH TEMPERATURE

CO-CHAIRS: Mark Neinast, Keith Fangmeier

1:00	Design and Development of Gas Handling Pumps for Multiphase Fluids
	Scott Erler, Vishal Gahlot, Mike Hughes, and Mark James, GE Oil & Gas Well Performance Services; Rene du Cauze de Nazelle, Vittorio Michelassi, and Jeremy Van Dam, GE Global Research
1:30	Innovative Operating Modes for ESPs in Gas Prone Wells
	Authors: Susana Tandazo, Jamie Sieber, Geoffrey King, Dana Sander, Asadollah Molayair, David Zhu – Baker Hughes
2:00	Experimental Investigation of Two-Phase Flow Performance with Electrical Submersible Pump and Helico-Axial Pump
	Authors: Bernardo P. Foresti, Ricardo S. Minette, Diogo C. Reis – Petrobras; Kean Wee Cheah - Schlumberger
2:30	BREAK
3:00	Production Improvements in SAGD Wells through Utilization of Gas Handling Technologies
	Authors: Leon Waldner, Lee Knutson – Nexen Energy ULC
3:30	Steam Bullheading Past Electric Submersible Pumps
	Authors: John K. Graham, Nick Kashirin – Suncor; Charley Campbell, Jeff Hamilton-Gahart, Roger Williams – ITT; Sergey Belyaev - Schlumberger
4:00	A Lateral Rotordynamics Primer on Electric Submersible Pumps (ESPs) for Deep Subsea Applications
	Authors: Dr. Dara W. Childs, Clay S. Norrbin, Stephen Phillips – Texas A&M University
4:30	Ask the Experts – Plenary Session
	Experts: Roger Brown – XTO Energy; Jay Thompson – SandRidge Energy; Kenneth Lacey – Custom Submersible; Salvatore Grande – Magney Grande Dist.; Peter Oyewole – BOPCO; Jeff Dwiggin – Artificial Lift Solutions Pte Ltd
6:00	Cocktail Party



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SESSION III – RELIABILITY

CO-CHAIRS: Chris Scrupa, Tommy Vineyard

8:30	Electric Submersible Pumps: Cradle to Grave – Considerations for Success with ESPs
	Authors: Leon Waldner – Nexen Energy ULC; Tomas Van Akkeren – Production Technology Associates; Sandy Williams – Artificial Lift Performance Ltd.
9:00	Maximizing Production with ESP Through Scale Squeeze Design
	Authors: Ian Kenny, Euan Alexander, Euan Goldie, Apache North Sea Ltd; Jeff Dwiggin, Artificial Lift Solutions Pte Ltd.; Max Bilfinger, Schlumberger Oilfield UK
9:30	Real Time Measurement Using an ESP Sensor to Monitor the Downhole Electrical Abnormality in ESP Wells: A Pilot Trial in Petroleum Development Oman
	Authors: Atika Al-Bimani, Angus Mackay, Jamal Jeddah, Adrian Ghadani, Abdul Aziz Rawahi – PDO; Amer Kassab, Dave Shanks, Ayham Sbeih – Zenith GE Oil & Gas
10:00	BREAK
10:30	Case History of Successfully Controlled Shutdown and Start-up of ESP in Llanos Norte Field
	Authors: J. Del Pino, J.L. Martin, H. Vargas, C. Leal, J. Maldonado, L. Villamizar – Occidental de Colombia; A. Gonzalez, S. Gomez, M. Suarez – Baker Hughes de Colombia; M. Caviedes – Schlumberger Surencio; A. Polania – Alkhorayef Petroleum Colombia
11:00	Improvements in the Process of Handling, Inspection, Test and Repair of ESP Power Cables
	Authors: Heber Munoz, Juan Jose Rodriguez – Pan American Energy; Ricardo Teves, Raul Oyartzun – GE Oil & Gas
11:30	Use of Run-Life Measures in Estimating Artificial Lift System Reliability
	Authors: Paul Skoczylas, Francisco Alhanati, John Sheldon, Francisco Trevisan – C-FER Technologies
Alternate 1	Effect of Viscosity and Speed on the Operating Range and Thrust of ESP
	Authors: Ketan Sheth, Lyle Wilson – SPE
12:00	LUNCH



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SESSION IV – SUBSEA / NEW TECHNOLOGY

CO-CHAIRS: Diego Narvaez, Daniel Fleitas

1:00	First Installation of a Subsea Skid ESP: A New Concept Design
	Authors: Tatiane Silva Vieira, Pedro da Silva Oliveira, Bruno Maia Pyramo Costa, Marcello Augustus Ramos Roberto, Valdir Estevam – Petroleo Brasileiro S.A. Petrobras
1:30	A Comparison of In-Well and In-Riser Electric Submersible Pumping (ESP) Applications in Deepwater Well Testing – The Atlanta Heavy Oil Field Case
	Authors: Gabriel G. de Goes Monteiro, Fernando Liborio Neto, Paulo Sergio Rocha, Salvador J. Neto, Alexandre Tavares – Queiroz Galvao Exploracao S.A.; Rui Pessoa, Angelita Lima – Baker Hughes
2:00	Jubarte: An Approach to the Operation of Deepwater ESPs
	Authors: Luis Vergara, Domitila De Pieri Pereira – Schlumberger/SPE; Romulo Goes Furtado, Otavio Cirbelli Borges – Petrobras
2:30	BREAK
3:00	Well Clean Out Using Stacked TTC ESP
	Authors: Anthony McConkey – Hilcorp Energy; Derek Van Hatten – Reda EL-Mahbes; Walter Dinkins – Baker Hughes
3:30	Operational Performance of a Subsea ESP in Extra Heavy and Viscous Oil: SIRI Long-Term Test
	Authors: Tatiane Silva Vieira, Pedro da Silva Oliveira, Marcello Brenndand, Valdir Estevam, Bruno Maia Pyramo Costa – Petroleo Brasileiro S.A. Petrobras
4:00	Active Front End (AFE) VSD in Harmony with IEEE519
	Jack Turner, Ryan Ashbaugh – Summit ESP
Alternate 1	Experiences of Durad Pumps, A Special Hardened Stage for Sandy Wells
	Authors: Herber Munoz, Ricardo Mazzola, Marcelo Bruni – Pan American Energy; Ricardo Teves, Raul Oyarzun – GE Oil & Gas
4:30	Break Out Session – An Operator’s Look Back on Advancements of ESPs When Pumping Abrasive Fluids
	Panel Leader: William D. Bolin, P.E. – Anadarko Petroleum Corporation
4:30	Break Out Session: Permanent magnet Motors (PMM), Panel Leaders: Jeff Dwiggin – Dwiggin Consulting LLC, Dave Malone - CEO and President – AccessESP, Keith Russell – President Borets US, Bert McCoy – Engineering Manager Borets US
4:30	Break Out Session – Offshore Panel Leader: Robert Rivera
6:00	Crawfish Boil



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Friday, April 24, 2015

SESSION V – OPTIMIZATION / FIELD STUDIES / SURVEILLANCE

CO-CHAIRS: Barry Nicholson, Atika Al-Bimani, Tom Van Akkeren

8:30	Fully Automated ESP Analysis and Diagnostics System for ESP Operations
	Authors: Matt Hackworth – Occidental Oil and Gas; Sandy Williams – Artificial Lift Performance Ltd.
9:00	Improving Performance Through Surveillance
	Author: Mark Petrie - Occidental Oil and Gas Permian Resources
9:30	ESP Surveillance & Optimization by Integrating Automated Well Models & Measured Down-hole Data & ESP Pump Curves at Real Time
	Authors: Atika Al-Bimani, Angus Mackay, Antonio Andrade Marin, Zeyana Al-Yazidi, Waleed Al-Qarshobi, Khalfan Al-Harthy, Abdullah Al-Awaid, Harith Al-Muqbali – PDO; Mukhtar Kadir, Nitish Kumar - Weatherford
10:00	BREAK
10:30	HP Correction in Caisson ESP
	Author: Lissett Barrios, Robert Rivera - Shell
11:00	Strategies for ESP Use in Sand, Emulsion and Gas
	Authors: Guo, Yue, Zhou, Liang – SPE, ConocoPhillips
Alternate 1	Moving Beyond Nodal Analysis for ESP Optimization in the Curito Field
	Authors: William Guerra, Edeberto Finol, Javier Solorzano, Wilson Benavides – Pacific Stratus Energy; Sandy Williams – Artificial Lift Performance Ltd.
11:30	Breakout Session Summary
12:00	Closing Comments
12:15	BOX LUNCH
1:00	Golf Tournament
6:30	Casino Night