The Pinnacle Of Artificial Lift Events Bringing Together Professionals From Across North America To Tackle Challenges Of Artificial Lift Selection, Optimization And Efficiency Head-On

www.artificial-lift-congress-north-america.com

Register By Friday October 30, 2014

This Year’s Artificial Lift Congress Has Been Re-Researched & Reformulated To Include North America Focused Discussions To:

• IMPROVE THE SELECTION CRITERIA FOR ARTIFICIAL LIFT: Select The Right Artificial Lift Systems Relative To Well Geometry, Reservoir Characteristics, GLR And Operational Costs

• OPTIMIZE GAS INTERFERENCE HANDLING: Implement Downhole Gas Separators For Rod Pumps To Maximize Production Rates And Pump Durability

• ACHIEVE MAXIMUM PRODUCTION RATES IN HIGH GLR WELLS: Hear E&P Case Studies On ESP, Rod Pumps And Hydraulic Jet Pumps Optimization Specific To High GLR Wells

• REDUCE LIFT COSTS AND FAILURE THROUGH DATA SHARING & AUTOMATION: Implement Automated Pump-Off Controls, Variable Speed Drives, Failure Data Sharing And Production Surveillance Technologies To Take Significant Steps Towards Optimal Automation

• ENSURE MAXIMUM PUMPING EFFICIENCIES IN HIGHLY DEVIATED WELLS: Compare The Impact Of ESPs And Rod Pumps On Highly Deviated Wells Production

March 22-23, 2016 | Houston, TX

North America Congress 2016

Artificial Lift Optimization

Increasing Production, Optimizing Efficiencies And Further Reducing Costs

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Organized By:

American Business Conferences

Gabriel Diaz
Well Reliability & Optimization Technology Team Lead
Chevron

Ken Fayard
Production Engineering Manager
Panther Energy

John Smitherman
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Frederick Clarke
Senior Artificial Lift Specialist
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Mark Peavey
VP of Operations
Windy Cove Energy

Leslie Malone
Senior Staff Engineer
Murphy Oil

Zach Awny
Production Engineer
ConocoPhillips

Mukul Sharma
Professor Of Petroleum Engineering
The University Of Texas At Austin
Implementation, Optimization, Economization

These are the three words that play on the mind of artificial lift operators in this climate of low oil prices and high competition.

It is imperative that E&P companies overcome the challenges of selecting and implementing artificial lift systems, of optimizing production and of driving down the costs of production and equipment failure to stay productive and profitable. That’s why American Business Conferences is bringing together the cream of production and operations from across North America to tackle these questions together. With dedicated sessions for perfecting selection criteria, for optimizing rod pump, plunger lift, gas lift, ESP and hydraulic lift systems in high GLR wells, highly deviated wells and for sharing data on well and lift failures and how exploitation and production predict, overcome and mitigate gas interference, solids interference, corrosion and scale.

The Hub For North American Production Optimization Case Studies

As a culmination of our successful play-specific production optimization events for the Permian, Eagle Ford, Bakken, Canadian Bakken and Duvernay plays, American Business Conferences is now revamping its artificial lift portfolio with the first North America-wide case study hub for artificial lift optimization, bringing together case studies from the major unconventional plays of North America and presenting our most ambitious and exhaustive agenda on artificial lift.

An excellent opportunity to network with other industry professionals. I enjoy hearing about the challenges and successes that other operators have experienced. I think it’s important to never think that you have it all figured out. There’s always room for improvement and sharing learnings at a summit like this is an ideal way to get better.

Facilities Engineering Manager
Anadarko Petroleum Corporation

REASONS TO ATTEND

• Broader geographical focus than any previous artificial lift event, encompassing plays across the United States with a focus on transferable lessons.

• Giving a sharply honed focus to the key issues around each of the main lift types in our most detailed artificial lift agenda.

• Delving deeply into deviated wells, failure mitigation and gas/solids handling for the first time.

• Bringing together our play-specific flagship production optimization events to take advantage of the knowledge and expertise of the entire nation.

• The only E&P–led series tackling the key questions of lift selection, failure mitigation, gas interference and equipment lifecycles.
8.45 Chair's Opening Remarks

KEYNOTE PANEL: SELECTION CRITERIA FOR ARTIFICIAL LIFT SYSTEMS

8.55 Discussing How E&P Have Selected The Right Artificial Lift Systems Relative To Well Conditions Such As Well Geometry And Gas-Liquid Ratio To Minimize Operating Costs

Moderator: Peter Oyewole, Senior Engineering Advisor, BOPCO
• Outlining effective and concise criteria for optimal lift selection against wellbore conditions and characteristics to increase production rates across a well’s lifespan
• Presenting examples where effective implementation allowed a single lift system to run the length of a well’s life and suggesting how to identify such potential scenarios
• Discussing efficient techniques for calculating the expected length of time a particular system can be implemented and suggesting cost-efficient ways of changing systems in multi-lift scenarios
• Suggesting strategies for cost-effective management of multiple lift solutions to ensure downtime and expenditure is minimized when single-lift solutions are not possible

John Smitherman, VP Operations, BOPCO
Gabriel Diao, Team Lead Reliability and Optimization, Chevron
Mark Peavy, VP Operations, Windy Cove Energy

FIELD AND CASE HISTORIES

9.35 Reviewing Lessons Learned Regarding Rod Pumps, Electric Submersible Pumps, Gas Lift, And Jet Pumps In Various Downhole Situations
• Discussing the importance of field history knowledge and conditions, experience of field and service company support, "be-in" versus "buy-in" teamwork, and leadership
• Outlining case histories of lift applications and strategies in high GLR and water, steam and CO2 flooding reservoirs to promote knowledge and understanding
• Considering lessons learned in rod pumping, ESP’s and Gas lift in high GLR and flooding to drive forward developments in future applications
• Passing on lessons learned in jet pumping heavy oil on offshore semi-submersibles to facilitate optimizations in these fields

Mark Peavy, VP Operations, Windy Cove Energy

10.05 Question and Answer Session

ESP Optimization
Assessing Gas Interference And Solids Handling, Scale And Corrosion Mitigation And Sand Control For ESPs To Ensure Minimum Failure Rates And Costs

Panel: ESP Gas Interference and Solids Handling

10.15 Mitigating The Effect Of Gas And Solids Interference On ESPs To Maximize Production Runtimes
• Comparing gas separation technologies specific for ESPs in wells with high gas volumes to mitigate the effect of gas interference
• Achieving high efficiency in chemically remedial paraffin build-ups in ESP systems to mitigate equipment damage and tubing blockages
• Optimizing ESP designs for effectively handing issues with cavitation gas to reduce the damage and downtime these cause
• Assessing chemical injection methodologies to combat paraffin in ESPs at lower costs

Moderator: Peter Oyewole, Senior Engineering Advisor, BOPCO

10.55 Networking Break In Exhibition Showcase Area

Artificial Lift Selection Criteria and ESP, Gas Lift, Plunger Optimization

11.05 Optimizing Chemical Programs For Mature Existing Fields Using ESP And Rod Pump To Mitigate Contamination And Improve Lifespan And Efficiency
• Defining the focus of the chemical treatment program for ESP and Rod Pump to create context for best practice sharing
• Predicting formation of organic and scale deposits downhole and outlining best practices for control
• Laying out design considerations for downhole remedial treatments to ensure maximal efficiency in treatment selection and application
• Demonstrating the usage of monitoring and control with database to create full understanding of chemical program costs

Zach Away, Production Engineer, ConocoPhillips

11.35 Question and Answer Session

MULTI-PHASE FLOW

11.45 Modeling Multi-Phase Flow For Life-of-Well Planning And Artificial Lift Operations To Predict And Account For Well Lifespans
• Modeling multi-phase flow in wellbores over the entire life-cycle of the well from beam-up to artificial lift to induce optimal implementation accuracy
• Measuring the effect of wellbore trajectory on artificial lift design and performance so that systems can be optimally designed and installed
• Understanding the use of multi-phase flow modeling to effectively implement best practice in ESP and gas-lift system design
• Modeling multiphase compositional flows over the life of the well to ensure operating parameters and limitations are understood

Professor Murali Sharma, Professor Of Petroleum Engineering, The University of Texas At Austin

12.15 Question and Answer Session

12.25 Networking Lunch In Exhibition Showcase Area

ESP TO GAS LIFT CHANGEOVER

1.25 Presenting a Successful Permain Case-Study To Outline Best Practices For ESP to Deep/Extended Gas Lift Changeover
• Presenting data and outlining practices to overcome challenges in designing and operating ESPs in highGOR/BLR environments
• Comparing the project economics of ESP Vs. Gas Lift to facilitate swift, economical and efficient changeovers
• Making clear the limitations of conventional gas lift in lifting fluids from lateral sections of deep horizontal wells to set parameters for where they should and should not be implemented
• Screening appropriate candidate for Deep/Extended Gas Lift systems and comparing their advantages vs. conventional gas lift to ensure best lift selection takes place.

1.55 Question and Answer Session

Gas Lift
Substantially Optimizing Gas Lift Operations And Reducing Failures Through Design Optimization And Automation Technologies

GAS LIFT: VALVE AND COMPRESSOR DESIGN

2.05 Optimizing The Design Of Gas Lift Components Including Valves And Compressors To Optimize Their Performance And Longevity And Maximize Well Pressures
• Presenting designs for valve sizes that minimize bottom-hole pressure in well bores to facilitate improvements in gas-lift technique
• Evaluating well pressure rates to determine maximum depth levels for gas lift wells
• Suggesting design techniques for predicting and prolonging the lifespan of gas lift valves to reduce maintenance costs
• Identifying valve desings which mitigate and stabilize the effect of slugging on production to stabilize production across the lifespan of the well

Ken Fayard, Production Engineering Manager, Panther Energy

3.25 Networking Break In Exhibition Showcase Area

Plunger Lift
Identifying Best Practices For Plunger Lift Selection And Implementation To Keep Artificial Lift Costs To Minimum

3.55 Hearing A Best Practice E&P Case Study On Plunger Lift Selection, Implementation And Optimization To Determine Its Cost-Effectiveness In High & Low GLR And High Deviation Wells
• Outlining best practices in employing plunger lift in both high and low GLR wells and running multiple plungers in the same wellbore to increase the overall efficiency of rod pump implementation
• Evaluating plunger lift valve sizing, well deviation degrees, reservoir characteristics and GLR to optimize plunger lift selection criteria
• Reducing facility-related issues in plunger lift wells by emphasizing energy-saving and automation methodologies
• Evaluating the extent to which an operators has reduced operational downtime by identifying optimum plunger speed rates
• Correlating different plunger assemblies with the life of the pumps to determine whether these are durable enough to tolerate average scale and paraffin deposition levels

4.25 Question and Answer Session

Hydraulic Jet Pump Systems
Identifying The Extent To Which Hydraulic Jet Pumps Are An Optimum Artificial Lift System Option Relative To Well And Reservoir Characteristics

HYDRAULIC JET PUMP OPTIMIZATION

4.35 Comparing The Cost Vs. Benefits Of Hydraulic Jet Pumps And Piston Pumps To Clarify Their Cost-Effectiveness And Selection Criteria
• Demonstrating a reliable and efficient infrastructure for implementing jet and piston pumps for multiple wells
• Evaluating cost vs. production ratios and EUR data to determine the cost-effectiveness of the jet and piston pumping systems
• Outlining the cost structure of implementing a hydraulic lift system and identifying areas where reductions can be made to minimize costs
• Identifying which type of wells are good candidates for utilizing jet pumps to ensure maximum well production rates
• Considering chemical Vs. water injection methods and facilitating understanding of effective injection system for hydraulic lift

5.05 Chair’s Closing Remarks

5.15-5.15 Networking Drinks In The Exhibition Area

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Day 2
Wednesday March 23, 2016

ARTIFICIAL LIFT SYSTEMS FOR HIGH GLR WELLS AND HIGHLY DEVIATED WELLS,
ARTIFICIAL LIFT AUTOMATION AND ROD PUMP OPTIMIZATION

The conference provided information on best practices and new technologies that is helpful to engineers of any experience level.

Process Engineer (Facilities), BHP Billiton

8.45 Chair’s Opening Remarks

KEYNOTE: HIGH GLR PRODUCTION OPTIMIZATION

8.55 Comparing The Costs Vs. Benefits Vs. Limitations Of Rod Pumps, Hydraulic Jet Pumps And ESPs For Ensuring Maximum Production Rates In High GLR Wells

• Comparing and contrasting the efficiencies and limitations of employing ESPs, jet pumps and rod pumps in high GLR wells under various well geometries to identify an artificial lift selection criteria
• Understanding the impact of various natural and aided gas separation techniques for ESP, jet pumps and rod pumps to optimize artificial lift in high GLR wells
• Determining how and when to efficiently move from ESP to rod pump in high GLR wells to maximize effective lift and optimize production

Fred Schoch, Production Superintendent, BOPCO

9.10 Question & Answer Session

PUMP-OFF CONTROLS VS. VARIABLE SPEED DRIVES

9.35 Comparing The Cost Vs. Benefits Of Using Variable Speed Drives Over Pump-Off Controls To Achieve Optimum Failure Mitigation

• Delivering data on the parameters of pump-off controls and variable speed drives to compare their production enhancement capabilities
• Outlining different VSD types and explaining how best to set up automated VSD systems to effectively capitalize on their functionality
• Moving from pump-off controls to variable speed drives: Is the investment justified?
• Understanding VSD limitations in terms of reliability and maintenance issues to counteract existing failures in automated controls

Fred Clarke, Senior Artificial Lift Specialist, Murphy Oil

10.05 Question & Answer Session

10.15 Networking Break In Exhibition Showcase Area

MONITORING DOWNHOLE ACTIVITY

10.45 Presenting Technologies And Strategies For Accurate Automatic Monitoring Of Downhole Activity To Better Identify Opportunities For Equipment Repairs And Optimization

• Demonstrating software methodologies for measuring and collecting data on the operating parameters of plunger, rod pump, gas and hydraulic jet pump lifts for identifying production rates
• Demonstrating the use of telemetry in artificial lift optimization to identify optimum data collection
• Considering the future potential of “smart lift” automated data collection in improving reliability and reducing costs to move towards a fully automated data-collection system
• Tackling key problems of signal failure and parameter optimization in current data-collection technologies to minimize the risk of overlooking extraneous or unreliable data and missing important trends

11.15 Question & Answer Session

12.05 Networking Lunch In Exhibition Showcase Area

HIGHLY DEVOTED WELLS

1.05 Evaluating Strategies To Rod Pump Eagle Ford Shale Wells Which Are Highly Deviated In The Vertical Section

• Outlining causes of failure in highly deviated rod pumped wells, rod and tubing wear and premature pump wear to establish failure parameters
• Evaluating the relative values of as drilled deviation surveys Vs. gyro surveys in rod design for optimal rod system design
• Implementing learning from failure data to improve run times between failures, document failure depths and establish root causes of failures
• Utilizing resources and building partnerships with vendors to evaluate run times and wear patterns, improve equipment and materials selection for well conditions

Leslie Malone, Senior Staff Engineer, Murphy Oil

1.35 Question & Answer Session

1.45 Implementing Rod Pump Downhole Gas Separators To Maximize Productivity And Improve Rod Pump Life-Cycles

• Presenting empirical data on the effects of gas on pumping rods and tubing to better understand the long and short-term effect of gas interference on rod pumping equipment
• Considering optimal equipment settings including pump placement and variable speed drives configuration to increase productivity and reduce equipment failures
• Comparing gas separator designs to determine efficiencies and inefficiencies and highlight areas for technological optimization
• Comparing various casing sizes and the effect they have on natural separation of gas and liquid

2.15 Question & Answer Session

2.25 Networking Break In Exhibition Showcase Area
The Artificial Lift North America Congress 2016 presents a stellar opportunity for suppliers and service providers for all kinds of rod pumps, gas lifts, ESPs, hydraulic pumps and automation technologies and software, to outline their successes and innovations to the broadest demographic of movers, shakers and decision makers to date.

SPONSORSHIP OPPORTUNITIES

Achieving Your Business And Marketing Objectives At The Event

DEMONSTRATE THOUGHT LEADERSHIP
Optimizing artificial lift operations and implementations can mean the difference between success and disaster in a sub $40 oil environment. E&P companies are all searching for solutions to push their productivity up and their failure rates down. You may be pioneering the advances that are key to achieving these goals, but do your clientele know what makes you unique in a sea of competition? Use targeted, editorially reviewed presentations and case studies to deliver thought leadership to a congregation of your target audience.

INCREASE BRAND AWARENESS AND RAISE YOUR PROFILE ABOVE THE COMPETITION
Any solutions and services selected by industry leaders when optimizing processes in a volatile climate require some of the strictest cost-benefit analyses. Of course, Vice Presidents, Directors and Managers also take into account the profile, credibility, innovation and market leadership when weighing up suppliers to support their investment plans. Make sure your organization is front and center when these decisions get made. Cement your leadership position with targeted branding and profiling campaigns directed at the top dogs of oil and gas production in North America.

MEET AND NETWORK WITH DECISION MAKERS
Thought leading, branding and profiling become contracts when they meet face-to-face relationship building. As the culmination of North America’s most successful Artificial Lift series, this intimate and well-established forum grants the opportunity to liaise with specific job titles from across the nation in one place, at one time, giving you the opportunity to engage with and influence key decision makers.

To secure your booth or discuss tailor-made sponsorship packages, contact

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This Conference Is Attended By Industry Solution Providers Such As

- Artificial Lift System Providers
- Artificial Lift Component Suppliers
- Artificial Lift Service Providers
- Automation Solution Providers
- Chemical Treatment Suppliers
- Engineering Solutions Providers

"The congress puts into perspective what the industry leaders are doing in the Basin"
Reservoir Engineer, ConocoPhillips
I would like to register the delegate(s) below for the 2 day summit
ARTIFICIAL LIFT OPTIMIZATION NORTH AMERICA 2016

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