

7-9 NOVEMBER 2023

DOUBLETREE BY HILTON DENVER TECH CENTER

DENVER, COLORADO



Society of Petroleum Engineers



Sand Control Completion Challenges

In offshore and onshore unconsolidated formations, the wells are completed with some form of sand control completion to prevent production of formation sand. There has been significant technology and completion system reliability advancements to address some of the challenges that existed. However, as fields are maturing and new discoveries taking place, there are new challenges emerging. The intent of this workshop is to bring together industry experts from both operators and service companies to have a candid discussion and share their knowledge/lessons learned on some of the key sand control completion challenges/topics such as:

- Depleted reservoirs
- HPHT sand control completions
- Reservoir monitoring and control
- Sandface digitization
- Multizone completions
- Sand control reliability and failures
- Retrofit/remedial sand control



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Technical Agenda

TUESDAY, 7 NOVEMBER

Technical Sessions located in the Lemon Twist & Orange Grove Ballrooms.

0700–0800 **Registration Check-In and Continental Breakfast** Ballroom Foyer

0800–0830 **Opening Comments and Keynote Speaker:**
George Wong, University of Houston - Sand Control Completion Selection - From a Helicopter View

0830–1000 **Session 1: Understanding Sand Control Failures and Reliability**
Chairs:
Ray Tibbles, DuneFront
Ying Zhang, Shell

Downhole Well Reliability Database – How Can We Do Better?
John Weirich, Chevron

The Vanishing Annular Pack
Eric Huls, Shell

Sand Control Installation Failures and How to Prevent Them
Carolina Latini, DuneFront

1000–1030 **Coffee Break and Knowledge Sharing Posters** Ballroom Foyer

1030–1200 **Session 2: OHGP in Low Frac Gradient Environment**
Chairs:
Bala Gadiyar, SLB
George Wong, University of Houston

Application of Diverter Valves Significantly Reduces ECD During OHGP
Jonathan Salis, SLB

NAFPAC Operations in Tight Margin MPD Drilled Deep Water Wells
Peter Stevens, ExxonMobil

OHGP in Highly-Depleted Reservoirs Drilled With Wellbore Strengthening Technology
Phil Jackson, BP

1200–1330 **Lunch** Indigo Room

1330–1500 **Session 3: HPHT OHGP Challenges**
Chairs:
Havard Kaarigstad, Equinor
Aaron Byrd, Oxy

HPHT OHGP of 4 Wells with Narrow Operational Window
Hanne Skaara Salvesen, Equinor

Design and Challenges of OHGP Fluids for HTHP Environments
Sandra Gomez-Nava, Chevron

Industry First Alternate Path OHGP in HPHT: A Case History
Pradeep Pillai, Shell

1500–1530 **Coffee Break and Knowledge Sharing Posters** Ballroom Foyer

1530–1700 **Session 4: Well Screens: Advancing Technology and Pushing the Application Envelope I**
Chairs:
John Weirich, Chevron
Rhett Avant, Halliburton

Screen Erosion Testing
Amrendra Kumar, SLB

Shunt Erosion and AICD Packing
Nicholas Kuo, Halliburton

Unique Interventionless Completion System to Improve Well Clean-up, Operational Efficiency and Reservoir Management
Abdul Awid, Weatherford

1700–1830 **Networking Reception** 1st Floor Atrium

WEDNESDAY, 8 NOVEMBER

0700–0800 **Continental Breakfast** Ballroom Foyer

0800–0930 **Session 5: OHGP: Pushing the Envelope**
Chairs:
Ray Tibbles, DuneFront
Gabriele Carpineta, Eni E&P

Managed Pressure OHGP With Shunts and an Oil-Based Gravel Pack Carrier Fluid
Patrick Campbell, Shell

OHGP in GoM Low Frac Gradient Reservoirs - Planning and Lessons Learnt
Lehron Brune, BP

Screen Plugging in OHGP Operations: Root Causes and Approaches to Mitigate Plugging
Gabriele Carpineta, Eni E&P

0930–1000 **Coffee Break and Knowledge Sharing Posters** Ballroom Foyer

1000–1130 **Session 6: Well Screens: Advancing Technology and Pushing the Application Envelope II**
Chairs:
John Weirich, Chevron
Bruce Robertson, Weatherford

Conformant Sand Control Baku Case History
Mike Foster, BP

Application Specific Testing and Data Interpretation
John Weirich, Chevron

Rotatable Screen Assembly
Suzanne Stewart, TAQA Well Completions

THURSDAY, 9 NOVEMBER

1130-1300	Lunch	Indigo Room
1300-1430	Session 7: Retrofit/Remedial Sand Control	Chairs: <i>Maye Beldongar, SLB</i> <i>Kevin Whaley, BP America</i>
	Remedial Insert Screen Performance in C&P and OHGP Completions	<i>Wayne Hosein, BP</i>
	Cost-Effective Rigless Remedial Sand Control Retrofit Options for Reinstating Solids-Free Production from Shut-In Wells	<i>Scott Gutleber, Weatherford</i>
	Chemical Sand Control – Placement Matters	<i>Emily Pronovost, Lubrizol</i>
1430-1645	Technology Showcase	Indigo Room
	<p>The Technology Showcase is a special social event that offers a unique branding and marketing opportunity through sponsorship to reach a focused group of key decision makers in the oil & gas community.</p> <p>The Technology Showcase and Reception will start with networking time, followed by short presentations from each of the sponsoring companies, with more networking time to close out the event.</p>	
1500-1515	Conformable Sand Management System	<i>Herb Dhuett, Baker Hughes</i>
1515-1530	Enabling Sand Control in Narrow Pressure Margin Wells	<i>Ray Tibbles, DuneFront</i>
1530-1545	Density AICD Technology	<i>Stephen Greci, Halliburton</i>
1545-1600	Openhole Zonal Isolation	<i>Jake Danos, SLB</i>
1600-1615	Valve Designed to Improve Water Injectivity, Recovery and Well Life	<i>Suzanne Stewart, TAQA Well Completions</i>

0700-0800	Continental Breakfast	Ballroom Foyer
0800-0930	Session 8: Sandface Surveillance and Smart Completions: Bringing Data to Life and Building Tools to React	<i>Mike Hecker, ExxonMobil</i> <i>Herb Dhuett, Baker Hughes</i>
	IWC Evaluation for High Rate Unconsolidated Sandstone Applications	<i>Shaun Arnold, ExxonMobil</i>
	Permanent Fiber Monitoring in Lower Completion - Experiences	<i>Havard Kaarigstad, Equinor</i>
	DH Fiber Optic WetMate SIT Testing	<i>Fernando Kirnbauer, Baker Hughes</i>
0930-1000	Coffee Break and Knowledge Sharing Posters	Ballroom Foyer
1000-1130	Session 9: The Digital Transformation in Sand Control	<i>Bruce Robertson, Weatherford</i> <i>Herb Dhuett, Baker Hughes</i>
	Assurance of Completion Integrity Through the Integration of Geomechanics Workflows Within the Digital Oilfield (DOF)	<i>Henry Su, Chevron USA</i>
	The Use of Numerical Sand Qualification in Improving Standalone Screen Selection Process	<i>Jianrong Pei, Baker Hughes</i>
	Reservoir Data Highways From Sandface Digitization	<i>Nabil Batita, SLB</i>
1130-1200	Closing Comments	

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LEARN AND CONNECT

Knowledge Sharing Posters

- **Erosion Resistant Screen Design Increases Completion Lift**
Buzz Rajabian, Delta Screens
- **STMZCHGP-Recent Case Histories**
Joel Gil, SLB
- **Use of Bottomhole Data Analysis to Overcome Challenges During Gravel Packs in Frade Deep Water Field**
Carolina Latini, DuneFront
- **Washpipe Jetting Tool: A Revolution in Filtercake Cleaning for Open Hole Wells**
Ying Zhang, Shell
- **Water-Based Chemical Consolidation Product Development**
Arfi Syifaai, SLB
- **Beadscreen Remedial Application**
Amrit Balgobin, Baker Hughes

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Attendees will receive 1.4 CEUs. One CEU equals 10 contact hours of participation. CEUs will be awarded through SPE Professional Development for participation and completion of an SPE workshop. A permanent record of a participant's involvement and awarding of CEUs will be maintained by SPE.

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WORKSHOP FORMAT

Workshops maximize the exchange of ideas among attendees and presenters through brief technical presentations followed by extended Q&A periods. Focused topics attract an informed audience eager to discuss issues critical to advancing both technology and best practices.

Many of the presentations are in the form of case studies, highlighting engineering achievements and lessons learned. In order to stimulate frank discussion, no proceedings are published and members of the press are not invited to attend.



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