

Day 1: Monday, May 9

Moody Gardens Hotel Spa and Convention Center – Galveston, TX

2:00 – 2:30 **Opening of Symposium and Safety Moment**
David Ayre (BP) & James Barker (Halliburton)

2:30 – 4:00 **Session 0: Explosives Safety and Novel Perforating Concepts**

- IPS-16-04 **Ballistic Delay Fuse to Streamlines CT Perforating, Improving Safety and Reliability**
Steven Henderson (Schlumberger)
- IPS-16-15 **Successful Deployments of an Electro Hydraulic Firing Head in Norway**
Jim Gilliat (Baker Hughes)
- IPS-16-17 **Unfavorable Trade-Off: High Temp Explosives vs Performance Sacrifice**
Liam McNelis (DynaEnergetics)

4:00 – **Break**

6:00 – 8:00 **Dinner (Organizing Committee, Sponsors, and Authors only)**

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Day 2: Tuesday, May 10

Moody Gardens Hotel Spa and Convention Center – Galveston, TX

7:00 – 8:00 Breakfast

8:00 – 8:15 **Opening Remarks**

David Ayre (BP) & James Barker (Halliburton)

8:15 – 9:45 **Session 1: Explosives Safety**

- IPS-16-01 **API RP67 Oilfield Explosive Safety - Proposed Changes for the 4th Edition**
David Ayre (BP)
- IPS-16-02 **Thermal Decomposition Progress with HMX Explosives**
Christopher Sokolove (Hunting Titan)
- IPS-16-03 **Agitating Explosives in Extended Reach Wells - A Good Idea?**
Kery Daly (Expro)

9:45 – 10:00 Coffee Break

10:00 – 12:00 **Session 2: Perforation Testing**

- IPS-16-43 **Penetration Performance of a Shaped Charge Perforator in Sandstone and Limestone Targets at Extreme Pore Pressures and Constant Effective Stress**
Dennis Haggerty (Halliburton)
- IPS-16-44 **API RP 19B Section 2 Perforation Tests Conducted at Multiple Facilities to Guide Latest Section 2 Revision.**
David Ayre (BP)
- IPS-16-45 **Developing Shaped Charges to Perform in Reservoir Rock**
Jim Gilliat (Baker Hughes)
- IPS-16-46 **Consideration and Testing in Support of a Potential Standardized Perforator Hole Size Test**
Shaun Geerts (Owen Oil Tools)

12:00 – 1:00 Lunch

1:00 – 2:30 **Session 3: Operational Efficiency Improvements**

- IPS-16-21 **A Step Change in Multistage Perforating**
Pedro Hernandez (Schlumberger)
- IPS-16-22 **Mitigating the Problems in Select-Fire Perforating Operations**
Josh Howk (Hunting Titan)
- IPS-16-23 **Lowering Total Cost of Operations Through Higher Perforating Efficiency while simultaneously enhancing safety**
JW Segura (Weatherford)

2:30 – 3:00 Break

3:00 – 4:00 **Session 4: Productivity Improvement Case Studies**

- IPS-16-51 **Successful Execution of First Coiled Tubing Shoot and Pull Underbalance Perforation in Pakistan**
Saad Fahim (Schlumberger)
- IPS-16-52 **Looking for optimal perforating techniques for best productivity in fields Kuil & Chuhuk, Asset ABKATUN Offshore Mexico**
Servio Subiaur (PEMEX)

4:00 – 5:30 **Session 5: Poster Session (Posters listed on next page)**

5:30 – 7:00 Break

7:00 – 10:00 **Symposium Dinner, Keynote Address, and Industry Recognition Awards (all)**

- **Keynote Address**
 - **XX**, xxx.
- **Lifetime Achievement Recipients**
 - **XX** - xx.
 - **XX** - xx.
 - **XX** - xx.

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4:00 – 5:30 Session 5: Poster Session

- IPS-16-06 **Exposure of Time and Temperature Effects on HMX Explosive Powders**
Shaun Geerts (Owen Oil Tools)
- IPS-16-07 **Institute of Makers of Explosives Safety Analysis for Risk (IMESAFR): A Quantitative Risk Analysis Tool for Analyzing Perforating Gun Safety**
Ronald Thomas (Institute of Makers of Explosives)
- IPS-16-12 **Purpose-Designed Perforating Charge Delivers Superior and Consistent Performance in Hydraulic Stimulation Operations in the Williston Basin**
John Pinkett (Halliburton)
- IPS-16-13 **Improved Frac Efficiency Using FocusShot Perforating**
Hema Prapoo (Allied Horizontal Wireline)
- IPS-16-18 **The Development and Deployment of and Ultra High Pressure TCP System in the Gulf of Mexico**
Charlie McClean (Baker Hughes)
- IPS-16-19 **A Method Of Mapping And Perforating Wells With Fiber Optics Outside Casing On Wireline.**
Guy Hadsall (Hunting Titan))
- IPS-16-20 **6 -3/4-in. Industry Leading Gun System for HP Sand Control Applications**
David Suire (Halliburton)
- IPS-16-24 **Field Trial Results from a Pumpdown Tension Tool**
Cort Peavy (Impact Selector International)
- IPS-16-25 **Innovative Pump Down Solutions Reduce Nonproductive Time by Eliminating Coil Tubing Perforation and Helping Reduce Pump Down Fluid Requirements**
John Pinkett (Halliburton)
- IPS-16-26 **Field Application Study of Zinc Based, Low Debris Perforating Charges**
Steven Zuklic (Baker Hughes)
- IPS-16-27 **Perforation Systems for Plug and Abandonment Applications**
Nathan Clark (GEODynamics)
- IPS-16-32 **Numerical and experimental study on the high strain rate deformation of tubes for perforating gun applications**
Maurizio Bellingardi (Tenaris Dalmine S.p.A.)
- IPS-16-33 **An Adaptive Shock Absorber for Perforating Gun Shock**
Haifeng Zhao and Alex Lee (Schlumberger)
- IPS-16-34 **Computations of the Stress on a Fluid-filled Gun for Survival**
Kevin Harive (Halliburton)
- IPS-16-39 **Plastic Collapse Behaviors of Perforating Guns with Scallops**
Haifeng Zhao (Schlumberger)
- IPS-16-40 **TCP Debris Sub Ultimate Strength for Recovery Operation**
Haifeng Zhao (Schlumberger)
- IPS-16-41 **A New FEA Model to Understand Perforating Structural Failure**
Gerald Craddock (Halliburton)
- IPS-16-42 **Underbalance Optimization using a Laboratory-Based Fast Computational Model**
Derek Bale (Baker Hughes)
- IPS-16-47 **Operator Uses Advanced Perforation Flow Laboratory to Support HMX Perforating by Coiled Tubing in HP/HT Field**
Dennis Haggerty and Jacob McGregor (Halliburton))
- IPS-16-48 **The Effects of Hydrostatic Pressure on Limited Penetration Perforating Systems**
James Kinsey (Owen Oil Tools)
- IPS-16-49 **New Insights into Optimizing Perforation Clean Up and Enhancing Productivity with Zinc-Case Shaped Charges**
Rajani Satti (Baker Hughes)
- IPS-16-50 **Testing to Optimize Perforating Strategy in Shallow, High Viscosity Oil Wells - Through Enhanced API RP 19B Section IV Data and Results**
Kevin Harive (Halliburton)

Agenda

2016 International Perforating Symposium

Day 3: Wednesday, May 11

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7:00 – 8:00 Breakfast

8:00 – 8:15 Opening Remarks

David Ayre (BP) & James Barker (Halliburton)

8:15 – 9:45 Session 6: Safety and Novel Perforating Concepts

- IPS-16-14 Alex Linville (Pacific Scientific)
Innovative Solution Delivers First Ever Acoustically Initiated TCP Firing Head
Kevin Harive (Halliburton)
- IPS-16-16 **Acoustic Firing for Selective Reservoir Connection**
Jose Escudero (Schlumberger)

9:45 – 10:00 Coffee Break

10:00 – 12:00 Session 7: Perforation Dynamics

- IPS-16-28 **Economical & repeatable method of obtaining dynamic underbalance**
David Cuthill (GEOdynamics)
- IPS-16-29 **Simulating Perforating Shock on an Intelligent Completions Interval Control Valve**
James Wight (Halliburton)
- IPS-16-31 **Physics of under balance in TCP operation**
Hanaey Ibrahim (PDO)
- IPS-16-30 **Automatic Release Anchored Gun String Dynamics under Perforating Shock**
Haifeng Zhao and Mohamed Mehdi (Schlumberger)

12:00 – 1:00 Lunch

1:00 – 2:00 Session 8: Perforation Modeling

- IPS-16-36 **Next-Generation Dynamic Event Model for Perforated Completions**
Derek Bale (Baker Hughes)
- IPS-16-37 **A new method for predicting perforation entrance hole diameter**
David Cuthill (GEOdynamics)

2:00 – 2:30 Break

2:30 – 4:30 Session 9: Multistage Completions

- IPS-16-08 **Statistics Based System Design for Perforated Clusters**
John Hardesty (GEOdynamics)
- IPS-16-09 **A Novel Frac-Optimized Perforating System for Unconventional Wells: Development and Field-Trial**
Rajani Satti (Baker Hughes)
- IPS-16-10 **Advancing Consistent Hole Charge Technology to Improve Well Productivity**
Christopher Sokolove (Hunting Titan)
- IPS-16-11 **Perforating Charges Engineered to Optimize Hydraulic Stimulation Outperform Industry Standard and Reactive Liner Technology**
John Pinkett (Halliburton)

4:30 – 5:00 Closing Remarks – Door Prizes

David Ayre (BP) & James Barker (Halliburton)
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