

# Martes 14. Dia 1

| HORARIOS      |       | SALA 1   |                              | SALA 2  |  | SALA 3   |                                |   |
|---------------|-------|--|------------------------------|---|--|--|--------------------------------|---|
| De            | Hasta |  |                              |   |  |  |                                |   |
| 08:00         | 08:30 | INSCRIPCIONES  |                              |   |  |  |                                |   |
| 08:30         | 09:00 | 178 - Exploration, Appraisal and Accelerated Development of Fortín de Piedra Block - TECPETROL S.A. - Argentina  | Casos de Estudio             | 229 - Understanding the Differences in Production Performance Between Horizontal and Vertical Wells in the Vaca Muerta Shale - SCHLUMBERGER - Argentina   | Reservorios                              | 182 - Geosteering in the Vaca Muerta Fm.: It's Contribution to the Economics of the Project - YPF S.A. - Argentina   | Caracterización                |   |
| 09:00         | 09:30 | 186 - Expanding the role of advanced mud logging in Vaca Muerta - SCHLUMBERGER - Argentina   | Coordinadores                | 169 - Effects of Thermodynamic and Rock Properties on the Performance of Liquids-Rich Nano-Porous Shale Reservoirs - TEXAS A&M UNIVERSITY - EEUU  | Coordinadores                            | 208 - Reducing Drilling Risks in Highly Over-pressurized Quintuco-Vaca Muerta Formation, A Case History in Neuquen Basin /Argentina - SCHLUMBERGER - Argentina   | Coordinadores                  |   |
| 09:30         | 10:00 | 75 - Improvements in Tight Oil and Gas Development - Case Studies Across Multiple Plays in the United States - NETHERLAND, SEWEL & ASSOCIATES INC. - EEUU  | Juan Moreyra y Luciano Monti | 193 - Integration of Microseismic, Tracers and PLT Information in horizontal wells pad, Loma Campana Shale Oil - YPF S.A. - Argentina   | Ricardo Palacios y Osvaldo Díaz de Sousa | 124 - Modeling Geopressures in a Tight Gas Reservoir, an Argentinean Case - SCHLUMBERGER - Argentina   | Pablo Forni y Sebastian Vargas |   |
| 10:00         | 10:30 | 154 - Unconventional EOR: A Field Test in Vaca Muerta Shale Play - INSTITUTO TECNOLÓGICO de BUENOS AIRES - Argentina   |                              | 87 - Importance of Accurate Reservoir Fluid Characterization in Unconventional Offshore Resources and how Asphaltene Behavior Impacts Reserve Prediction - WINTERSHALL GLOBAL SUPPORT - Netherlands |  | 47 - Identification of Zones of Abnormal Pressures and Determination of the Mechanical Properties of the Rock through Pseudo-sonic and Pseudo-density Logs in Conventional and Unconventional Reservoirs - PETROLEOS DE VENEZUELA S.A. - Venezuela |                                |   |
| 10:30         | 11:00 | INTERVALO MAÑANA   |                              |   |  |  |                                |   |
| 11:00         | 11:30 | 191 - Integrated Modeling Frac to Production for a Multipad Well in Loma Campana, Vaca Muerta - YPF S.A. - Argentina   | Casos de estudio             | 157-Mexico Unconventional Recourses, Regulation Framework and Micro-Seismic Studies - COMISIÓN NACIONAL DE HIDROCARBURO - México  | Reservorios                              |  |                                |   |
| 11:30         | 12:00 | 160 - Field Development And Completion Optimization In Shale Assets Using Artificial Intelligence: Marcellus Shale Case History - CARBO CERAMICS INC. - EEUU   | Casos de Estudio             | 107-A Relutionary EDFM Method for Production Simulation of Complex Fractures in Shale Reservoirs - TEXAS A&M UNIVERSITY - EEUU  | Coordinadores                            |  |                                |   |
| 12:00         | 12:30 | 181 - Modelo de Superficie - YPF S.A. - Argentina  | Juan Moreyra y Luciano Monti | 205 - Effects of Aqueous Solubility and Diffusion of Multi-Components on Shale Reservoir Recovery during CO2 EOR - HANYANG UNIVERSITY -   | Ricardo Palacios y Osvaldo Díaz          |  |                                |   |
| 12:30 a 14:00 |       | ALMUERZO N° 1  |                              |   |  |  |                                |   |
| 14:00         | 14:15 | Bienvenida - Inauguración  |                              |   |  |  |                                | PRESIDENTES SPE                                   |
| 14:15         | 15:30 | MESA REDONDA INNOVACIÓN TÉCNICA CÍAS DE SERVICIOS -<br>BAKER GE - Ghazal Izadia - "Workflow of Integrated Unconventional Reservoir Modeling".<br>WEATHERFORD - Francisco Fragachan - "Rock-Fluid Interaction in Unconventional Reservoirs".<br>QM Equipment - Pablo Fisceletti - "Nuevas Tecnologías en Equipamiento de Fractura para Yacimientos No Convencionales. Reducioendo Tiempos y Costos".    |                              |   |  |  |                                | COORDINADORES:<br>Emmanuel Dhuteau y Miguel Lavia |
| 15:30         | 16:00 | INTERVALO TARDE  |                              |   |  |  |                                |   |
| 16:00         | 17:30 | MESA REDONDA ESTRATEGIA Y PLANIFICACIÓN CÍAS DE SERVICIOS - PARTE N° 2 HALLIBURTON -<br>Jorge Rivera - "Riesgos, Cuellos de Botella y Disponibilidad de Equipos".<br>INGENIERÍA SIMA - Mariano Casavecchia - "Suministro de Agua a Gran Escala: La Necesidad de Generar Sinergia entre Operadoras".<br>SCHLUMBERGER - Disertante y Título A DEFINIR<br>PACKER PLUS - Rodney Schnell - TITULO A DEFINIR |                              |   |  |  |                                | COORDINADORES:<br>Emmanuel Dhuteau y Miguel Lavia |

# Miércoles 15. Día 2

| Hora          |       | SALA 1   |   | SALA 2  |  | SALA 3  |  |
|---------------|-------|--|---|---|--|---|--|
| De            | Hasta |  |   |   |  |   |  |
| 08:00         | 08:30 | INSCRIPCIONES  |   |   |  |   |  |
| 08:30         | 09:00 | 74 - Aggressive Or Not? Experimenting With Fracturing Design And Fluids In Pursuit Of Better Return - SCHLUMBERGER - EEUU  | Terminación                                       | 131 - An Advanced Method for Modeling Well Interference and Fracture Hits in Shale Reservoirs - TEXAS A&M UNIVERSITY - EEUU   | Avances tecnologicos                                 |   |  |
| 09:00         | 09:30 | 198 - Operational Monitoring Methodology for Hydraulic Fractures in Vaca Muerta Formation - YPF - Argentina  | Coordinadores<br>Emmanuel Dhuteau y J.C. Bonapace | 173 - Application of The Technique MPD Using Automated Systems for Drilling Non-Conventional Wells with narrow Operating Window in the Neuquen Basin - WEATHERFORD - Argentina    | Coordinadores<br><br>Miguel Lavia y Norberto Cerutti |   |  |
| 09:30         | 10:00 | 62 - Improving Returns by Re-utilizing Produced Natural Gas for Foamed Fracturing Fluid Application in Unconventional Reservoirs - SCHLUMBERGER - EEUU                         |   | 161 - Chemical Tracers for Long-Term Production Monitoring in Unconventional Applications - RESMAN - EEUU   |  |   |  |
| 10:00         | 10:30 | 129 - When, Where, and How to Drill and Complete Pads of Multiple Wells? Four-Dimensional Guidelines for Field Development in the Vaca Muerta Shale - SCHLUMBERGER - Argentina |   | 83 - Modeling Of Matrix-fracture Transfer With Non-uniform Block Distributions In Unconventional Low-permeability Fractured Reservoirs - IFP ENERGIES NOUVELLES - Francia         |  |   |  |
| 10:30         | 11:00 | INTERVALO MAÑANA   |   |   |  |   |  |
| 11:00         | 11:30 | 71 - Integrated Well Interference Modeling Reveals Optimized Well Completion and Spacing in the Marcellus Shale - SCHLUMBERGER - EEUU  | Terminación                                       | 135 - Application of Multi-Functionalized Surfactant to Enhance Hydrocarbon Production in Tight Oil & Gas Formations Yields Successful Results - TRICAN WELL SERVICE Ltd - Canada | Casos de estudio / Recupero - Avance                 |   |  |
| 11:30         | 12:00 | 101 - Field Development Optimization through Integrated Geosciences and Engineering Analysis - WEATHERFORD INTERNACIONAL ARGENTINA - Argentina                                 | Coordinadores<br>Emmanuel Dhuteau y J.C. Bonapace | 143 - Experience in Lateral Well and Perf Cluster Spacing for Shale Dry Gas Area - SPE - Argentina  | Coordinadores<br><br>Miguel Lavia y Norberto Cerutti |   |  |
| 12:00         | 12:30 | 195 - Completion Diagnostics Learnings from Shale Development Projects - PRO TECHNICS DIVISION of CORE LABORATORIES LP - EEUU  |   | 141 - Integrated Methodology for Laboratory Evaluation of Shale Plays Cuttings - ECOPETROL-ICP - Colombia   |  |   |  |
| 12:30 a 14:00 |       | ALMUERZO N° 2  |   |   |  |   |  |
| 14:00         | 15:30 | MESA REDONDA CÍAS OPERADORAS - PARTE N° 1  |   |   |  | COORDINADORES<br>Juan Moreyra<br>Eduardo Barreiro |  |
|               |       | YPF - Gustavo Astie // TECPETROL - Horacio Marin // Pan Amerina Energy - Orador a confirmar // TOTAL - Martin Santacoloma  |   |   |  |   |  |
| 15:30         | 16:00 | INTERVALO TARDE  |   |   |  |   |  |
| 16:00         | 17:30 | MESA REDONDA CÍAS OPERADORAS - PARTE N° 2  |   |   |  | COORDINADORES<br>Juan Moreyra<br>Eduardo Barreiro |  |
|               |       | WINTERSHALL - Jorge Ponce // SHELL - Patricio Gaston Fita // EXXON - Ricardo Livieres // PLUSPETROL - Sebastian Leoni // GYP - Alberto Sagesse                                 |   |   |  |   |  |

# Jueves 16. Dia 3

| Hora          |       | SALA 1   | SALA 2  | SALA 3   |  |
|---------------|-------|--|---|--|--|
| De            | Hasta |  |   |  |  |
| 08:00         | 08:30 | <b>INSCRIPCIONES</b>   |   |  |  |
| 08:30         | 09:00 | 34 - Type Curves for Vaca Muerta Horizontal Wells - HALLIBURTON - Argentina  | Caracterización<br>133 - Vaca Muerta Numerical Simulation: a Warning in Compositional Modelling - YPF - Argentina   | Reservorios<br>73 - Boosting Oil Recovery in Naturally Fractured Shale Using CO2 Flooding : Journey from the Laboratory to the Wellsite - SCHLUMBERGER - EEUU  |  |
| 09:00         | 09:30 | 92 - Completion efficiency evaluation in horizontal Wells and its importance in Vaca Muerta Formation development - MP CONSULTING & TRAINING - Argentina   | Coordinadores Eduardo Barreiro y Daniel Rosato  | Reservorios<br>155 - A Multiscale Approach to Simulation of Fluid Flow in Tight Porous Media - IBM RESEARCH - Brazil   |  |
| 09:30         | 10:00 | 120 - Multi-scale Fluid Compositional Variations in an Unconventional Hybrid System - Learnings From The Montney Resource Play - IFP TECHNOLOGIES - Canada |   |  | 190 - Well Spacing Strategy in Fortín de Piedra Block - TECPETROL S.A. - Argentina   |
| 10:00         | 10:30 | Experimental Investigation on Mechanical Properties and Failure Mode of Natural Fractured Sandstone - CHINA UNIVERSITY of PETROLEUM – Beijing              |   |  | 199-A Wellbore-Seismic Linked Model for Geomechanical Characterization of Naturally Fractured Reservoirs - TEXAS A&M UNIVERSITY - EEUU |
| 10:30         | 11:00 | <b>INTERVALO MAÑANA</b>  |   |  |  |
| 11:00         | 11:30 | 102 - Pressure Measurements in Low Permeability Reservoirs - YPF - Argentina   | Caracterización<br>226 - Developing New Methodology for Calculating Cluster Efficiency and Optimizing Frac Staging for Multistage Fracturing Horizontal Wells - KHALDA PETROLEUM Co - Egypt | Terminación<br>179 - Subsurface Integrated Analysis to Predict and Mitigate Drilling Problems - Lower Quintuco, Fortin de Piedra Block - TECPETROL - Argentina |  |
| 11:30         | 12:00 | 72 - Evaluating the Impact of Multi-Layer Discrete Fracture Network in Hydraulic Fracture Geometry and Well Performance - SCHLUMBERGER - EEUU              | Coordinadores Eduardo Barreiro y Daniel Rosato  | Reservorios<br>130 - Drilling Horizontal Well of 3200m lateral length in Vaca Muerta Formation - YPF - Argentina   |  |
| 12:00         | 12:30 | 222 - Caracterización y delimitación del miembro Pilmatué de la Formación Agrio en El Mangrullo, Cuenca Neuquina, Argentina - PAMPA ENERGÍA - Argentina    |   |  | 192 - Coiled Tubing String Design In Extended Reach Shale Wells - TENARIS -Argentina   |
| 12:30 a 14:00 |       | <b>ALMUERZO N° 2</b>   |   |  |  |
| -             |       | Charlas plenarias  |   |  |  |
| 14:00         | 14:45 | Gustavo Gomez - Conoco Phillips  |   |  | Coordinador Francisco Fragachan y Gabriel Irazusta   |
| 14:45         | 15:30 | Paul Eedle - Liberty Resources LLC   |   |  |  |
| 15:30         | 16:00 | <b>INTERVALO TARDE</b>   |   |  |  |
| 16:00         | 16:45 | Alejandro Peña - Schlumberger  |   |  | Coordinador Francisco Fragachan y Gabriel Irazusta   |
| 16:45         | 17:30 | Ibrahim Abou-Sayed - Stimulation Solutions, inc  |   |  |  |
| 17:30         | 18:00 | Menciones Especiales - Cierre congreso   |   |  | Comite Técnico   |