



Petroleum Geology of Mexico and the Northern Caribbean

14-16 May 2019
The Geological Society, London

Provisional Programme

Day One	
08.30	Registration
08.55	Welcome
Session One: Mexico Regional Overview	
09.00	Keynote: The Great Gulf of Mexico: What we know, and what we don't James Pindell, <i>Tectonic Analysis Ltd</i>
09.30	Common Geological Controls to the Top 20 oilfields of Mexico "the Story of Two's" Karina Vázquez Reyes & Mark Shann, <i>Sierra Oil & Gas</i>
09.55	Laramide compression in Mexico: the missing factor behind significant reservoir productivities? Andrew Horbury, <i>Cambridge Carbonates Ltd</i>
10.20	The Evolution of the Cenozoic Deep Marine Depositional Systems, Offshore Southern Mexico Carlos Uroza, <i>Equinor</i>
10.45	Break
Session Two: Mexico Regional Tectonics	
11.15	The Early stages of opening the Gulf of Mexico- Shaping the margins G. Messenger, <i>Equinor</i>
11.40	Kinematic constraints on the opening of the Gulf of Mexico – Inferred driving mechanisms E. Blanc, <i>Equinor</i>
12.05	Tectonic and sedimentation history, petroleum systems and plays of Eastern Mexican basins: an overview Sergey Drachev, <i>3GeoAmericas LLP</i>
12.30	Lunch
Session Three: Reservoir Distribution	
13.30	Keynote: Analysis of modern Mexico drainage systems: insights and prediction for post-Middle Miocene deep-water reservoir distribution and quality John Snedden, <i>The University of Texas</i>
14.00	Reservoir distribution in deep-water Salina del Istmo Basin, offshore Mexico Julie Branston, <i>Western Geco</i>



14.25	Provenance and Morphology of the Oligo-Miocene Veracruz Deep-water Fan System in the Western Gulf of Mexico Daniel F. Stockli, <i>The University of Texas at Austin</i>
14.50	Paleogeographic and Depositional Reconstruction of Oxfordian Aeolian Sandstone Reservoirs in Mexico offshore areas: comparison to the Norphlet Aeolian play of the Northern Gulf of Mexico John Snedden, <i>The University of Texas</i>
15.15	Break
	Session Four: Petroleum Systems
15.45	Untapped Petroleum Systems Revealed in the Mexico GOM Superbasin Karyna Rodriguez & Neil Hodgson, <i>Spectrum Geo</i>
16.10	Source Rock Predictions, Reducing Conditions, Anoxia and Pyrites of the Caribbean Mark Cowgill, <i>CGG</i>
16.35	The Oil and Source rocks of the Patuca and Mosquita Basins, Honduras Chris Matchette-Downes, <i>CaribX (UK) Limited</i>
17.00	Finish
17.00-19.00	Wine Reception

Day Two

08.30	Registration
08.55	Welcome
	Session Five: Mexico – Sureste Basin
09.00	Keynote: The Zama Discovery: Subsurface Uncertainty in Exploration and Appraisal Iain MacEwen, <i>Premier Oil</i>
09.30	Structural Evolution of the Salinas Sureste Basin: Regional Tectonics, Structural inheritance, and implications for Petroleum Exploration Alissa A. Henza & Enrique Novoa-Cancela, <i>Equinor</i>
09.55	Integrated Seal Analysis in the Sureste Basin, Mexico Brian O'Sullivan, <i>Premier Oil</i>
10.20	The Importance of the Deep Charge Focus in Sureste Basin, Mexico. Case of study: Zama Light Oil Discovery Karina Vázquez Reyes & Mark Shann, <i>Sierra Oil & Gas</i>
10.45	Break
11.15	Using the Regional Mass Transportation Complex (MTC) in the Sureste basin to help identify potential reservoir fairways in the Lower Miocene Samuel Plant, <i>Ophir Energy</i>
11.40	Salt-Carbonate interactions in the Sureste Basin, SE Mexico; depositional models and analogous for Cretaceous carbonate breccias Peter Gutteridge, <i>Cambridge Carbonates</i>
12.05	The Sureste Basin of Southern Mexico: “Future Opportunities and Key Challenges Ahead” Mark Shann, <i>Subsurface Director Sierra Oil and Gas</i>



12.30	Lunch
	Session Six: Salt Tectonics – Sureste and Campeche
13.30	Keynote: Diapirism, contraction and extension in the shelf and deepwater provinces of the southern Gulf of Mexico Mark G. Rowan, Rowan Consulting Inc.
14.00	Structural evolution of a salt diapir and associated normal faults in the Sureste Basin, Mexico Marc Giba, <i>DEA Deutsche Erdoel AG</i>
14.25	Miocene Compressional Tectonics in the Campeche Salt Basin SE Mexico Ian Davison, <i>Earthmoves Ltd</i>
14.50	Mexico offshore: New Insights into Structural Evolution and Salt Deformation through structural Restoration, Campeche Basin Julie Branston, <i>Western Geco</i>
15.15	Break
15.45	Evolution of kinematically linked structural systems above a contiguous salt and shale detachment surface in the western Gulf of Mexico Daniel Carruthers, <i>CGG</i>
16.10	Tectonic, Structural, and stratigraphic controls on hydrocarbon prospectively in the Mexican Ridges deepwater fold belt, western of Gulf of Mexico Jack Kenning, <i>University of Houston</i>
16.35	Geological Interpretation and Petroleum Implication of the North of Yucatan Platform, Deep Gulf of Mexico E. Miranda Madrigal. <i>Basin Research Group, Imperial College London</i>
17.00	Finish
17.00-19.00	Wine Reception

Day Three

08.30	Registration
08.55	Welcome
	Session Seven: Northern Caribbean Regional Tectonics
09.00	Keynote: The Source rock provinces of the Caribbean by recourse to biomarker and stable isotope data assemblages from produced oils, shows and seeps Chris Matchette-Downes, CaribX (UK) Limited
09.30	Determining basement terrane boundaries in the modern Caribbean plate and their impact on regional hydrocarbon systems Sean Romito, <i>University of Houston</i>
09.55	Thermal lithospheric structure and recent tectonic behaviour of the western Caribbean Basin Carlos Alberto Vargas J., <i>Universidad Nacional de Colombia</i>
10.20	Regional to basin scale influence of strike slip tectonism on the evolution of the western Caribbean Margin: implications for petroleum play systems in Patuca and Mosquitia Andrew Long, <i>Subterrane Ltd</i>



10.45	Break
	Session Eight: Northern Caribbean Basins
11.15	Tectonostratigraphic history, age calibration, and structural interpretation of a mega 3D seismic survey in the deep-water portion of Trinidad and Tobago Rick Jowett, <i>BHP</i>
11.40	New constrains on the tectono-sedimentary evolution of the San Pedro Basin (south-eastern Dominican Republic offshore margin): Implications for its hydrocarbon potential J.M. Gorosabel-Araus, <i>University of Madrid</i>
12.05	Eocene platform and basin development on the upper Nicaragua Rise Simon F. Mitchell, <i>The University of the West Indies</i>
12.30	Lunch
	Session Nine: Onshore Mexico Basins
13.30	Keynote: The Mexican fold and thrust belt: structure, timing and tectonics Elisa Fitz-Díaz, <i>Instituto de Geología, Universidad Nacional Autónoma de México</i>
14.00	Structural sections through Oaxaca-Cuicateco-Veracruz Basin and the Chiapas Foldbelt Rod Graham, <i>Consultant</i>
14.25	The value of non-seismic data in regional exploration, onshore Mexico: Examples from Veracruz and Sureste Basin Matthias Koenig, <i>DEA Deutsche Erdoel AG</i>
14.50	Paleo-Canyons and Contemporaneous Oil Seeps near the Palaeocene/Eocene Boundary, Tampico-Misantla Basin, Eastern Mexico Stephen P/J/ Cossey, <i>Cossey and Associated Inc</i>
15.15	Break
	Session Ten: Burgos and Perdido Basin
15.45	Improved stratigraphic resolution of the Frio to Wilcox Groups in the Mexico Perdido Trend Barry Ringer, <i>Petrostrat</i>
16.10	The Cenozoic Burgos Basin- Insights into Provenance and Sediment Routing Evolution, Drainage Basin Reconstruction, and Tectonic Controls Daniel F. Stockli, <i>The University of Texas at Austin</i>
16.35	Tectonic driven changes in Tertiary Burgos basin sediment provenance, Gulf of Mexico P.S. van Heiningen, <i>Provenance Exploration Consultancy B.V.</i>
17.00	Finish

Poster Programme

Integration of multi-source surface data to enhance reservoir knowledge in Mesozoic fractured carbonates analogues of Mexico

Antonio G.L. Palombo, *CGG*

The Regional Tectonic Evolution of the Gulf of Mexico – Constraints from Multi-Satellite Gravity Data

Peter Webb, *Getech Group plc*

Answering key questions on the petroleum geology of the southern Gulf of Mexico using a fully integrated well database

Edward Jarvis, *CGG*



The Petroleum Group would like to thank the following sponsors for their support of this event:

Corporate Supporters



Conference Supporters

