

DRILLING & COMPLETION : FIELD CASE HISTORIES

ROOM A

CHAIRMEN: NASR AGIZA, TIBA – LAURENS VAN DER PEET, TOTAL

- 09.00 *DRILL/FCH/01* *Managed Pressure Drilling as a Tool to Reduce Risks and Non-Productive Time: an Update on Field Experience*
J. Chopty, A. Sardo, Weatherford International Ltd
- 09.25 *DRILL/FCH/02* *Marginal shallow water gas fields development through subsea vertical tree with jack-up drilling operations. Analysis of the first successful experience in the Adriatic Sea: Bonaccia Est gas field*
R. Carrara, M. La Rovere, A. Malkowski, G. Baccon, A. Laghi, S. Masi, L. Pellicciotta, eni e&p
- 09.50 *DRILL/FCH/03* *Well placement using borehole images and bed boundary mapping in an underground gas storage project in Italy*
M. Borghi, D. Loi, S. Cagneschi, S. Mazzoni, E. Donà, eni e&p - A. Zanchi, D. Baiocchi, STOGIT - J. Gremillion, F. Chinellato, N. Lebnane, R. Lepp, S. Chow, S. Squaranti, Schlumberger
- 10.15 *DRILL/FCH/04* *Electromagnetic telemetry MWD (Measurement-While-Drilling) system allows directional control while drilling through total loss circulation zones on high enthalpy geothermal field*
L. Serniotti, Enel Green Power – M. Troiano, D. Di Tommaso, Weatherford

Alternate

- DRILL/FCH/05A1* *New Class of Microsphere Improves Economics and Allows Circulation Where Previous Designs Suffered Losses: A Case History*
D. Kulakofsky, C. Faulkner, S. Williams, Halliburton – C. Seidel Debrick, Devon Energy

HEALTH, SAFETY AND ENVIRONMENT: MONITORING

ROOM F

CHAIRMEN: ROBERTO PAVESI, WEATHERFORD – IACOPO RAINALDI, TECNOMARE

- 09.00 *HSE/M01* *Third party interference and leak detection on buried Pipelines for reliable transportation of fluids*
G. Giunta, F. Dionigi, eni g&p - A. Bassan, M. Veneziani, eni e&p - G. Bernasconi, S. Del Giudice, D. Rovetta, Politecnico di Milano - R. Schiavon, F. Zanon, Tecnomare Spa
- 09.25 *HSE/M02* *A Novel Design and Implementation of a Wireless Sensor Network Aimed at Monitoring the Vibrations Produced by Oil & Gas Activities*
S. Brigas, M. Piantanida, M. Veneziani, Eni E&P - P. R. Chevillat, U. Hunkeler, C. Lombriser, A. Munari, W. Schott, L. Truong, B. Weiss, IBM Zurich Research Laboratory
- 09.50 *HSE/M03* *Validation of VOC emissions abatement systems from oil plants*
A. Bombardi, L. Brunori, A. Sola, RINA Services Spa
- 10.15 *HSE/M04* *Contribution to integrity assessment of an oil pipeline with the use of corrosion models, flow codes and mechanical properties*
G. Gabetta, eni e&p - B. Molinas, VeneziaTecnologie S. p. A. - G. Bolzon, Politecnico di Milano - A. Zuppello, M. Elhakim, Agiba

Alternate

- HSE/M/05A1* *Dose assessment for workers and the public in oil industry N. O. R. M. waste management activities*
F. Devecchi, G. Colombo, R. Fresca Fantoni, eni e&p - S. De Zolt, F. Trotti, C. Zampieri, ARPA Veneto

RESERVOIR CHARACTERISATION: GEOMECHANICS

ROOM C

CHAIRMEN: MARCO BRIGNOLI, ENI – SERGIO NATALE, SCHLUMBERGER

- 09.25 *RES/GEO/01* *Geomechanics Solution for UGS: prevent costly events and maximize profits through 3D Coupled Model*
S. K. Subbiah, R. Derda, R. Newman, T. Berard, R. Marsden, Schlumberger
- 09.50 *RES/GEO/03* *Cap Rock Integrity Study*
D. Ybray, G. Galiyeva, F. Ibragimov, Agip KCO
- 10.15 *RES/GEO/05* *A method to identify the strike slip faults masked by pseudo en-echelon patterns: a case study of Middle Indus Basin Pakistan*
N. Ahmad, T. Mahmood Qureshi, eni Pakistan – T. Majeed Jaswal, OGDCL
- 10.40 *RES/GEO/06* *Benefits and Applications of Semi-permeable Membrane Surface Gas Detection during Managed Pressure Drilling.*
David J. Tonner, Weatherford International

OFFSHORE PIPELINE INTEGRITY

ROOM D

CHAIRMEN: FRANCO NANNI, OIL STATES IND. – FABIO DECATALDO, FMC TECHNOLOGIES

- 09.00 *OFFSH/01* *State-of-the-art of integrity inspection and monitoring in deepwater assets*
M. Dueñas Díez, S. Sánchez Majado, I. Espósito Cassiba, P. Sanz Sanz, Repsol
- 09.25 *OFFSH/02* *BP CATS Pipeline Inspection Project – An overview of the challenges faced in order to clean and inspect the 36" x 412km Natural Gas Pipeline from North Everest platform to CATS Terminal Teesside*
Paul Clayton, PII Solutions – Mark Kelso, BP NSI Pipelines
- 09.50 *OFFSH/03* *Transmediterranean Pipelines Repair*
R. Orsolato, Saipem - S. Fabbri, P. Cherubini, Saipem Energy Services
- 10.15 *OFFSH/04* *Internal corrosion prediction using fluid dynamics for pipeline integrity*
G. Gabetta, M. Margarone, eni e&p - A. Bennardo, eni r&m

RESERVOIR PERMEABILITY ESTIMATION

ROOM B

CHAIRMEN: FRANCESCA VERGA, POLITECNICO DI TORINO – MAURIZIO GIORGIONI, SHELL

- 09.00 *RES/PE/01* *Real-Time LWD K-Lambda Derived Permeability Estimation for complete reservoir characterization: a Case History, UGS project, Italy*
F. Perna, B. Dzhaikiev, M. Kongslien, Schlumberger Data and Consulting Services - F. Senestraro, F. Perazzi, S. Cagneschi, eni Spa - D. Marzorati, Stogit Spa
- 09.25 *RES/PE/08* *Thin Bed Turbidite Gas Volumetric DST , Nile Delta, Egypt*
Naiel Salaheldin Mohamed Ibrahim
- 09.50 *RES/PE/07* *Effect of In-situ Stress and Stresses State Conditions on Fractured and Unfractured Homogeneous and Laminated Rocks Permeability*
N. B. Alqahtani, M. M. Tale, A. A. Al-Quraishi, King Abdulaziz City for Science and Technology
- 10.15 *RES/PE/04* *The Impact of Pore Geometry Aspects on Porosity-Permeability Relationship, A Critical Review to Evaluate NMR Estimated Permeability*
A. Salah, Belayim Petroleum Company Egypt

DRILLING & COMPLETION: EFFICIENCY AND OPTIMIZATION

ROOM A

CHAIRMEN: JOACHIM OPPELT, BAKER HUGHES – ANGELO LIGRONE, ENI

- 11.05 *DRILL/EO/01* *Eni deep water dual casing*
A. Calderoni, C. Molaschi, E. Sormani, eni e&p
- 11.30 *DRILL/EO/03* *Casing While Drilling and its Implementation in Drilling Offshore Wells in Egypt*
P. M. Morcos, Suez Canal University
- 11.55 *DRILL/EO/04* *Real-Time Drilling Rate of Penetration Performance Monitoring*
T. Eren, eni e&p - M. E. Ozbayoglu, University of Tulsa
- 12.20 *DRILL/EO/05* *New technology from fishing company will enable operators to reduce amount of nonproductive time*
O. Mohamed, Baker Hughes
- 12.45 *DRILL/EO/06* *An innovative Near Bit Stabilizer Delivers a Step Change in Drilling Performance (Hassi Messaoud, Algeria Case Study)*
A. Rahil, Sonatrach Drilling Division

GREENHOUSE GAS MANAGEMENT

ROOM C

CHAIRMEN: FERNANDA PANVINI, ENEL – MAURIZIO RAMPOLDI, ENI

- 11.05 *GHG/01* *Clean Development Mechanism (CDM) - Towards a necessary Reform*
C. Monfredini, S. Sandri, A. Stillavato, M. Morichini, eni e&p
- 11.30 *GHG/02* *Evaluation of risks in CO2 deep geological storage via a stochastic method*
G. Cammarata, S. Campi, Golder Associates Srl - C. Fidelibus, National Research Council of Italy, Institute of Environmental Geology and Geoengineering, Torino - A. Marengo, Golder Associates Srl
- 11.55 *GHG/07* *GHG emissions from the gas supply chain*
N. Rossi, A. Taglia, Altran Italia Spa
- 12.20 *GHG/04* *From CCS to CCU - A new technology for Carbon Capture and Utilization*
J. Wilhelm, Rosetti Marino Spa
- 12.45 *GHG/05* *Reducing the CO2 footprint through increased overall cycle efficiency*
A. Burrato F. Cinelli, A. Miliani, G. Seghi, GE Oil & Gas - M. Lehar, GE Global Research Center

RESERVOIR CHARACTERISATION: CARBONATES

ROOM D

CHAIRMEN: MEDHAT EL SAYED, PETROBEL – VERA ROCCA, POLITECNICO DI TORINO

- 11.05 *RES/CA/02* *Meeting the challenge of LWD Image logging in high resistivity and fractured carbonate reservoir - case history*
M. Borghi, E. Piani, R. Berto, A. Vallefucio, D. Baldini, S. Giammetti, eni e&p - M. Giorgioni, Shell Italia e&p - R. Cacciagrano, G. Nardi, Baker Hughes
- 11.30 *RES/CA/03* *Role and Contribution of 3D Geological Modeling for Carbonate Rocks in Reservoir Management Scheme, Zeit Bay Field, Gulf of Suez, Egypt*
S. M. Selim, K. M. Abd Allah, T. Adely, M. Said, M. Rushdy, Suez Oil Company
- 11.55 *RES/CA/07* *Role and Contribution of Depositional Systems and Facies Development, in Improving*

Thursday 24th March

Technical Sessions

Hydrocarbon Productivity from Kareem/Rudeis Carbonates, Zeit Bay Field, Gulf of Suez, Egypt

S. M. Selim, K. M. Abd Allah, T. Adly, M. Rushdy, Suez Oil Company

12.20 RES/CA/06

Fault Zone Properties in the Roman Valley Quarry Reservoir Analogue: Insight for Well Logs, Core and Field Data

M. Giorgioni, Shell Italia E&P Spa - A. Cilona, E. Tondi, F. Agosta, Geology Division, School of Science and Technology, University of Camerino

SUBSEA PROCESSING AND BOOSTING

ROOM F

CHAIRMEN: MARTIN SORENSEN, GE OIL & GAS – LUCA BAI, TECNOMARE

11.05 SPB/01 *Subsea Processing & Boosting in a global perspective*

O. F. Jahnsen, M. Storvik, FMC Kongsberg Subsea AS

11.30 SPB/02 *A new simple and efficient technology for subsea bulk Oil/Water separation for production enhancement - 3C cyclonic separator*

N. Butin, C. Candelier, L. Vanhaecke, D. Spudic, S. Anres, S. Abrand, Saipem SA

11.55 SPB/03 *Long tie-backs Development in Deep Waters*

L. Rivière, Total SA - M. K. Decrin, E. Sibaud, S. Anrès, Saipem SA

12.20 SPB/04 *The Safety Layer: Communications protocol extension for safety related functions*

M. R. Cotton, AX-S Technology Ltd – R. H. Carter, Aker Solutions

12.45 SPB/05 *Subsea Cooler for Multiphase Flow*

B. R. Gyles, B. Hægland, T. Bauck Dahl, FMC Kongsberg Subsea AS - R. Barfod Schüller, Norwegian University of Life Sciences - A. Jensen, A. Sanchis, University of Oslo

FULL-FIELD OPTIMISATION

ROOM B

CHAIRMEN: ALBERTO PELLICCIA, SHELL – FABIO DECATALDO, FMC

11.05 FFO/01 *The yearly Production Budget through the asset modelling and the Monte Carlo risk analysis*

F. Dresda, P. Favaro, S. Meleo, eni e&p

11.30 FFO/02 *Production optimisation: minimize possible production losses through a reliable and effective shut down strategy, method and approach*

A. Manzoni, Bonatti - A. Prete, eni - G. Searle, BG

11.55 FFO/03 *Improving operation using model-based decision support*

A. Casarotti, F. Verre, A. Palma, G. Viadana, eni e&p

12.20 FFO/04 *Kashagan Experimental Program*

G. Galiyeva, D. Ybray, F. Ibragimov, Agip KCO

12.45 FFO/05 *Integrated maintenance practices for large, heavy-duty gas turbines*

A. Rostagno, D. Picchi, P. Paolini, GE Oil and Gas

Alternate

FFO/06/A1 *Critique of corrosion monitoring methods used in oil and gas production and transportation facilities*

M. Allaoua Nazef, A. Adjeb, Sonatrach/Amt/Division Laboratoires

Thursday 24th March

Technical Sessions

DRILLING & COMPLETION: IMPROVED OPERATIONAL SAFETY

ROOM A

CHAIRMAN: GIOVANNI BOTTO, ENI – PHILIP IMPERIALE, SHELL

- 14.30 *DRILL/IOS/01* *Decision Model and Risk Analysis for Multilateral Completion Design in a Challenging Deepwater Well in Italy*
C. Repetto, C. Sanasi, S. Di Vincenzo, C. Cordeddu, G. Ricci Maccarini, M. Tufo, eni e&p - J. Michelez, N. Rossi, kwantis
- 14.55 *DRILL/IOS/02* *Realistic well planning with dynamic well control modelling*
B. T. Anfinsen, G. Weisz, SPT Group
- 15.20 *DRILL/IOS/03* *Tailored Risk Management in Drilling & Completion: Illustrative Case Study of an Offshore Well Campaign*
F. Zausa, eni e&p – S. Masi, C. Repetto, eni e&p – J. Michelez, N. Rossi, kwantis
- 15.45 *DRILL/IOS/04* *Electro Magnetic WirelineRetrievable-SurfaceControlledSubsurfaceSafetyValve: a new backup for Surface Controlled Subsurface Safety Valve to avoid workover*
P. Imbò, G. Gandini, eni e&p

Alternate

- DRILL/IOS05A1* *Risk Based Approach for Well Planning Applied to Set Drilling Performance Targets*
M. Saibi, Sonatrach Drilling Division
- DRILL/IOS06A2* *Intermediate casing cementing job failure in Sinai fields*
S. A. Elkariem, M. Mokhtar, Petrobel Company, A. S. Dahab, Cairo University

HEALTH, SAFETY AND ENVIRONMENT: FIELD CASE HISTORIES

ROOM D

CHAIRMAN: NACERA MERAGHNI, SONATRACH - SIMONETTA SANDRI, ENI

- 14.30 *HSE/RS/06* *The HSE Integrated Management System: a framework supporting global challenges and sustainable business governance*
R. Galinetto, D. Celiento, F. Rombaldoni, eni e&p
- 14.55 *HSE/FCH/02* *Oil Spills prevention: The Application of a Fibreglass Liner in Oil Gathering Flowlines in the Egyptian Western Desert*
P. Cavassi, P. Omarini, eni e&p - A. Zuppello, M. Elhakim, Agiba Pet. Co.
- 15.20 *HSE/FCH/03* *A cost effective approach to Risk Based Inspection for Floating Production Storage and Offloading (FPSO) Units and Gas Projects*
D. A. Constantinis, EM&I (Maritime) Limited - D. M. Mortlock, EM&I (UK) Limited - T. Lyons EM&I (Maritime) Limited
- 15.45 *HSE/FCH/06* *From impact assessment to operational practices: how to manage biodiversity and ecosystem services in Oil & Gas activities*
P. M. Pedroni, D. Palliggiano, eni e&p division HQ, Safety and Environment Dept - I. Zappacosta, P. Carnevale, eni e&p

UNCONVENTIONAL RESOURCES

ROOM F

CHAIRMAN: REYMOND SATYAVAN, ENI – KEVIN SCOTT, HALLIBURTON

- 14.30 *UNCON/01* *The Lead Role of Production Optimization in a Shale Play: analysis of critical parameters and their impact on overall project economics*

Thursday 24th March

Technical Sessions

- 14.55 UNCON/02 A. Ciuca, M. Tambini, eni e&p
The Potential Pitfalls of Using North American Tight and Shale Gas Development Techniques in the European Environment
- 15.20 UNCON/04 A. N. Martin, Baker Hughes
Petroleum Geology And Potential Hydrocarbon Plays of Heavy Oil Reservoirs: Examples from Egypt and Libya
N. A. Nabih, A. Y. Youssef, W. M. Abd Raboh, Ganoub Elwadi Petroleum Holding Co.
- 15.45 UNCON/05 N. Kothari, Maharashtra Institute of Technology
An Unconventional Energy Resources: Shale Gas - Sunjay, Banaras Hindu University
- Alternate
UNCON/06A1 *Surface facilities for shale gas: a matter of modularity, phasing and minimal operations*
F. Mancini, P. Broccia, M. Chirico, N. Buongiorno, R. Zennaro, eni e&p

DRILLING & COMPLETION: FLUIDS AND WASTE MANAGEMENT

ROOM A

CHAIRMEN: PAUL DUMONT, SHELL – JOE GRANT, AVA

- 16.25 DRILL/FW/01 J. Friedheim, J. Lee, S. Young and D. Cullum, M-I SWACO
New Termally Independent Rheology Invert Drilling Fluid for Multiple Applications
- 16.50 DRILL/FW/02 E. Moura, Baker Hughes – A. Aragão, M. Fontes, R. Pessanha, E. Cockeis, Petrobras SA
Paraffin-Based HP/HT Fluids Technology Applied Successfully in Exploration Well in Jequitinhonha Basin Offshore Brazil
- 17.15 DRILL/FW/03 M. Zamora, Q. Guo, S. Roy, M-I SWACO
Successful Integration of Geomechanics and Mud Engineering at the Wellsite
- 17.40 DRILL/FW/04 F. E. Fragachán, Independent - T. Shokanov, J. Ronderos, M-I SWACO
Cuttings and Waste Injection Disposal Domain Assessment from Shale Gas Fracturing

Alternate

- DRILL/FW05A1 *New Advancements in Emulsifier Technologies*
N. Rife. S. Young, M-I SWACO

SUSTAINABLE DEVELOPMENT

ROOM D

CHAIRMEN: STEVE YOUNG, M.I. SWACO – ANDREA CONTIN, UNIVERSITÀ DI BOLOGNA

- 16.25 SUS/02 E. Negri, C. Marini, M. Margarone, R. Monga, A. Stillavato, M. Veneziani, eni e&p – G. Gorla, Tecnomare
Improving energy efficiency in upstream facilities
- 16.50 SUS/05 D. Tabarelli, Nomismaenergia – W. Palozzo, Proger Spa – E. Famiglietti, Nomismaenergia
The Lucan Energy Centre: employment impact of eni activities and sustainability projects



Thursday 24th March

Technical Sessions

- 17.15 *SUS/03* *Sustainable underground gas storage activities in a Po Plain gas field, northern Italy*
N. Castelletto, M. Ferronato, G. Gambolati, C. Janna, P. Teatini, DMMMSA - University of Padova - D. Marzorati, E. Cairo, Stogit Spa - D. Colombo, A. Ferretti, Tele-Rilevamento Europa Srl - A. Bagliani, F. Bottazzi, eni e&p
- 17.40 *SUS/04* *Methodological and Training Approach for Integrated and Sustainable Community Investment*
P. R. Turati, E. Valotti, eni e&p

UNCONVENTIONAL RESERVOIRS AND STRATEGIES

ROOM F

CHAIRMEN: ALAA ALAM, ESH EL MALAH OIL CO. – DOUG BENTLEY, SCHLUBERGER

- 16.25 *UN/RES/01* *Unconventional reservoir characterization methods using core and well logging data: shale gas and tight gas sand examples*
M. Orlandi, P. Bartelucci, V. Chelini, eni e&p
- 16.50 *UN/RES/05* *New technology Application, Radial Drilling Petrobel, First Well in Egypt*
M. A. Abdel-Ghany, S. Siso, A. M. Hassan, Petrobel-Egypt – P. Pastura, R. Cherri, eni
- 17.15 *UN/RES/03* *Adsorption of Guar, Xanthan and Xanthan-Guar Mixtures on High Salinity, High Temperature Reservoirs*
A. A. AlQuraishi, F. D. Alsewailem, King Abdulaziz City for Science and Technology
- 17.40 *UN/RES/04* *Raw gas injection principles and challenges in Kashagan Fields*
D. Ybray, G. Galiyeva, F. Ibragimov, Agip KCO