Thursday 24th March
Technical Sessions

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

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

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. Trottì, 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. Senenaro, F. Perazzi, S. Cagneschi, eni Spa - D. Marzorati, Stogit Spa

09.25  RES/PE/08  Thin Bed Turbidite Gas Volumetric DST, Nile Delta, Egypt
        Nael 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
### Technical Sessions

#### DRILLING & COMPLETION: EFFICIENCY AND OPTIMIZATION

**ROOM A**

**CHAIRMEN: JOACHIM OPPELT, BAKER HUGHES — ANGELO LIGRONE, ENI**

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<td>11.05</td>
<td>DRILL/EO/01</td>
<td>Eni deep water dual casing</td>
<td>A. Calderoni, C. Molaschi, E. Sormani, eni e&amp;p</td>
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<td>11.30</td>
<td>DRILL/EO/03</td>
<td>Casing While Drilling and Its Implementation in Drilling Offshore Wells in Egypt</td>
<td>P. M. Morcos, Suez Canal University</td>
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<td>11.55</td>
<td>DRILL/EO/04</td>
<td>Real-Time Drilling Rate of Penetration Performance Monitoring</td>
<td>T. Eren, eni e&amp;p - M. E. Ozbayoglu, University of Tulsa</td>
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<td>12.00</td>
<td>DRILL/EO/05</td>
<td>New technology from fishing company will enable operators to reduce amount of nonproductive time</td>
<td>O. Mohamed, Baker Hughes</td>
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<td>12.45</td>
<td>DRILL/EO/06</td>
<td>An innovative Near Bit Stabilizer Delivers a Step Change in Drilling Performance (Hassi Messaoud, Algeria Case Study)</td>
<td>A. Rahil, Sonatrach Drilling Division</td>
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#### GREENHOUSE GAS MANAGEMENT

**ROOM C**

**CHAIRMEN: FERNANDA PANVINI, ENEL — MAURIZIO RAMPOLDI, ENI**

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<td>GHG/01</td>
<td>Clean Development Mechanism (CDM) - Towards a necessary Reform</td>
<td>C. Monfredini, S. Sandri, A. Stillavato, M. Morichini, eni e&amp;p</td>
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<td>11.30</td>
<td>GHG/02</td>
<td>Evaluation of risks in CO2 deep geological storage via a stochastic method</td>
<td>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</td>
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<td>11.55</td>
<td>GHG/07</td>
<td>GHG emissions from the gas supply chain</td>
<td>N. Rossi, A. Taglia, Altran Italia Spa</td>
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<td>12.20</td>
<td>GHG/04</td>
<td>From CCS to CCU - A new technology for Carbon Capture and Utilization</td>
<td>J. Wilhelm, Rosetti Marino Spa</td>
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<td>12.45</td>
<td>GHG/05</td>
<td>Reducing the CO2 footprint through increased overall cycle efficiency</td>
<td>A. Burrato F. Cinelli, A. Miliani, G. Seghi, GE Oil &amp; Gas - M. Lehar, GE Global Research Center</td>
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#### RESERVOIR CHARACTERISATION: CARBONATES

**ROOM D**

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

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<td>11.05</td>
<td>RES/CA/02</td>
<td>Meeting the challenge of LWD Image logging in high resistivity and fractured carbonate reservoir - case history</td>
<td>M. Borghi, E. Piani, R. Berto, A. Vallefuoco, D. Baldini, S. Giammetti, eni e&amp;p - M. Giorgioni, Shell Italia e&amp;p - R. Cacciagrano, G. Nardi, Baker Hughes</td>
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<td>11.30</td>
<td>RES/CA/03</td>
<td>Role and Contribution of 3D Geological Modeling for Carbonate Rocks in Reservoir Management Scheme, Zeit Bay Field, Gulf of Suez, Egypt</td>
<td>S. M. Selim, K. M. Abd Allah, T. Adely, M. Said, M. Rushdy, Suez Oil Company</td>
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| 11.55 | RES/CA/07 | Role and Contribution of Depositional Systems and Facies Development, in Improving |                                                                                                                                ...............
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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. Jahnson, 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. Anrê, 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. Galpyeva, 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
DRILLING & COMPLETION: IMPROVED OPERATIONAL SAFETY
ROOM A
CHAIRMEN: 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
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
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/IOS/05A1 Risk Based Approach for Well Planning Applied to Set Drilling Performance Targets
M. Saibi, Sonatrach Drilling Division
DRILL/IOS/06A2 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
CHAIRMEN: 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
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
CHAIRMEN: 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
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A. Ciucu, M. Tambini, eni e&p
A. N. Martin, Baker Hughes

15.20 UNCON/04 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 An Unconventional Energy Resources: Shale Gas - Sunjay, Banaras Hindu University
N. Kothari, Maharashtra Institute of Technology

Alternate

15.45 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 New Ternally Independent Rheology Invert Drilling Fluid for Multiple Applications
J. Friedheim, J. Lee, S. Young and D. Cullum, M-I SWACO

16.50 DRILL/FW/02 Paraffin-Based HP/HT Fluids Technology Applied Successfully in Exploration Well in Jequitinhonha Basin Offshore Brazil
E. Moura, Baker Hughes – A. Aragão, M. Fontes, R. Pessanha, E. Cockeis, Petrobras SA

17.15 DRILL/FW/03 Successful Integration of Geomechanics and Mud Engineering at the Wellsite
M. Zamora, Q. Guo, S. Roy, M-I SWACO

17.40 DRILL/FW/04 Cuttings and Waste Injection Disposal Domain Assessment from Shale Gas Fracturing
F. E. Fragachán, Independent - T. Shokanov, J. Ronderos, M-I SWACO

Alternate

18.15 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 Improving energy efficiency in upstream facilities
E. Negri, C. Marini, M. Margarone, R. Monga, A. Stillavato, M. Veneziani, eni e&p – G. Gorla, Tecnomare

16.50 SUS/05 The Lucan Energy Centre: employment impact of eni activities and sustainability projects
D. Tabarelli, Nomismaenergia – W. Palazzo, Proger Spa – E. Famiglietti, Nomismaenergia
Thursday 24th March
Technical Sessions

17.15  SUS/03  Sustainable underground gas storage activities in a Po Plain gas field, northern Italy

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