Second EAGE Workshop on Geosteering & Well Placement

Geosteering and the benefits it brings to subsurface understanding

22-25 September 2013
Dubai, UAE

www.eage.org
Technical Committee

Yves De Laet Co-Chair Schlumberger
Monica Constable Co-Chair Statoil ASA
Bader Al Dhafari ADMA-OPCO
Frank Antonsen Statoil ASA
Nigel Clegg Halliburton
Saeed Dama ADMA-OPCO
Jean-Michel Denichou Schlumberger
Paolo Netto Petrobras
Nezar Talhah Saudi Aramco
Arve Thorsen Baker Hughes Norge AS

Workshop Overview

The second edition of this workshop will continue to focus on the latest developments in technologies and processes. Recent case histories will be shared, including applications of the promising real-time deep readings, new imaging while drilling techniques and innovative well placement workflows.

The workshop will have a discussion on LWD data utilisation. Participants will share experiences in the evaluation and integration of post job analysis and interpretation of subsurface description workflows. The workshop also aims to uncover the tremendous value in utilising well placement data for structural interpretation, petrophysical evaluation in horizontals wells, model updates and completion designs and more.

Technical Programme

Monday, 23 September

Diamond Ballroom

07:00 Registration and Welcome Coffee

08:00 Welcome Note & HSE - Committee Co-Chairs: Y. de Laet (Schlumberger) & M. Constable (Statoil ASA)

08:20 Opening Keynote Address: Aus Al-Tawil, Saudi Aramco

09:00 GS00: Geosteering: Selecting the right technology to optimize well placement - J.M. Denichou* (Schlumberger)

GEOSTEERING PLANNING: APPROPRIATE TECHNOLOGIES AND EFFICIENT BEST PRACTICES
J-M. Denichou (Schlumberger) & M. Constable (Statoil ASA)

09:30 GS01 - Advancement in Slim LWD tool Measurement Improves Precision in Geosteering for Complex Lithology Reservoirs - N. Musharfi (Saudi Aramco), A.R. Belowi (Saudi Aramco), M.A. Ibrahim* (Saudi Aramco), A.B. Abdelkader (Weatherford), H. Elmasry (Weatherford) & A. Abbas (Weatherford)

10:00 Coffee Break / Poster Session

10:30 GS02 - Maximizing Value Through Use of an optimized Landing and Geosteering Strategy on Draugen late-life Development wells - V.M. Barron* (A/S Norske Shell), M. Ecclestone (Shell), J.W. Goedbloed (Shell), T. Carlson (Shell), C. Dupuis (Schlumberger) & H. Wang (Schlumberger)

11:00 GS03 - Seismic Inversion and Resistivity Inversion While Drilling Methods Application for Reservoir Geometry Characterization - A. Setiawan (Schlumberger), Y. Wismoyo* (Pertamina EP), F. Maula (Schlumberger) & F. Fardhu (Pertamina EP)

11:30 GS04 - Successful Reservoir Navigation in Horizontal Wells in Carbonate Reservoirs with a Reversed Resistivity Signature - S.M. Ghnia* (Baker Hughes), M. Ethouni (Waha Oil Company), K. Elgayed (Waha Oil Company), F. Breviglieri (Baker Hughes) & P. Odiase (Baker Hughes)

12:00 Lunch Break

EXECUTION: CASE STUDIES OF SUCCESSFUL GEOSTEERING JOBS - GET THE WELLS IN THE RIGHT PLACE!
S.M. Dama (ADMA-OPCO) & N. Clegg (Halliburton)

13:00 GS05 - Geosteering Impact on Developing Oil and Gas Fields, Saudi Arabia - S.J. Humaid* (Saudi Aramco)

13:30 GS06 - Adding a New Piece in the Puzzle between Well Placement and Surface Seismic - M. G. Viandante* (Schlumberger), G. Skinner (Schlumberger), L. Pontarelli (Schlumberger), A. Nagel (Origin Energy), G. Morgan (Origin Energy), G. Freeston-Smith (Origin Energy) & C. Matthews (Origin Energy)

14:00 GS07 - Geosteering Beyond Seismic Resolution: A North Sea case study - T. W. Kui* (Statoil ASA), N. Stevenson (Statoil ASA), P. L. Espedal (Statoil ASA), L. Yearron (Statoil ASA), F. Perma (Schlumberger) & H. Wang (Schlumberger)

14:30 GS08 - Landing in Carbonates – Challenges and Experiences in Brazil - C. Pontes (OGX), V. Costa (OGX), M. Mendes* (OGX), A. Ghizi (OGX), J. Seydoux (Schlumberger), R. Samaroo (Schlumberger), I. Hernandez (Schlumberger), D. Salim (Schlumberger) & C. Santos (Schlumberger)

15:00 Coffee Break / Poster Session

15:30 GS09 - New Way to Landing Improves Reservoir Seismic Understanding - P. Netto (Petrobras), A. Mainieri (Petrobras), A. Meira* (Petrobras), G. Schmitt (Petrobras), J. Seydoux (Schlumberger), R. Samaroo (Schlumberger), D. Salim (Schlumberger) & C. Santos (Schlumberger)

16:00 GS10 - Accessing More Reserves with Proactive Geosteering on the Odoptu-more Sakhalin ERD project. - A. Shishrov (Schlumberger), V. Filimonov* (Rosneft) & K. Kudashov (Rosneft)

16:30 AApplication of New Deep Directional Resistivity Tool to Fully Define Reservoir - M.S. Spotkaeff (Schlumberger), S. Jenkins (Nautical Petroleum), A. Simms (Merlin Energy Resources), E. Oldham (Merlin Energy Resources), S. Silcock (Merlin Energy Resources), M. Seaton (Merlin Energy Resources), M. Viandante* (Schlumberger), E. Miro (Schlumberger), A. Nath (Schlumberger), S. Chow (Schlumberger), R. Lepp (Schlumberger) & T. Blasdale (Schlumberger)

17:00 GS12 - Achieving Increased net Reservoir Contact using High Resolution LWD resistivity imaging - S.M. Dama* (ADMA-OPCO), O. Al Mutwali (ADMA-OPCO), S. Al Hassani (ADMA-OPCO), H. Aboujmeih (ADMA-OPCO), B. Al Dhafiri (ADMA-OPCO), S. Al Jabri (ADMA-OPCO), A.S. Al Mansoori (ADMA-OPCO), A. Lofty (Halliburton Sperry Drilling) & G. Abu Razek (Halliburton Sperry Drilling)

17:30 End of Day 1
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Diamond Ballroom

15:00 - 15:30 GSP03 - Successful Approach to Push Erd Limit, Enhance Production, and Optimize Reserve Recovery of an Extended Reach Oil Field - Z. Xiaoping (CACT), H. Yingshi (CACT), T.B. Tran (CACT), Parlindungan Halomoan (Schlumberger), J. Denichou (Schlumberger) & S.B. Amariji (Schlumberger)

15:30 - 16:00 GSP04 - Proactive DTB Geosteering Technique Deliver Excellent Result in Lower Burgan thin Channel Sand Reservoir-North Kuwait - S. Chowdhuri (KOC), N. Abbas (KOC), A. Khan (KOC), A.G. Tarek (KOC), M. Juyal (Schlumberger), M. Wenang (Schlumberger), S. Noredeen* (Schlumberger), H. Haddou (Schlumberger) & P. Chakraborty (Schlumberger)

Tuesday, 24 September

Diamond Ballroom

08:00 Welcome Coffee
08:30 Introduction to Day 2

FORMATION EVALUATION IN HORIZONTAL WELLS - MORE ANSWERS ARE AVAILABLE
A.K. Thorsen (Baker Hughes Norge AS) & F. Antonsen (Statoil ASA)

09:00 GS13 - Geosteering from Remote Operational Centers: A Necessity - A.K. Thorsen* (Baker Hughes Norge AS)
09:30 Discussion Session
10:30 Coffee Break / Poster Session

11:00 GS14 - The Technological Evolution of Geosteering and its Impact on Formation Evaluation - O. Al Mutwali* (ADMA-OPCO)
11:30 GS15 - Well Placement Enabling Deep 3D Petrophysics - J. Seydoux* (Schlumberger), A. Neto (Schlumberger), P. Neto (Petrobras), A. Meira (Petrobras), J. Denichou (Schlumberger) & D. Omeragic (Schlumberger)
12:00 GS16 - Formation Evaluation in Carbonates with LWD Logs in High Angle Wells in Presence of Heavy Hydrocarbons - P. Ferraris* (Schlumberger)
12:30 Lunch Break

COMPLETIONS: HOW TO BEST COMPLETE YOUR GEOSTEERED WELLS
A.K. Thorsen (Baker Hughes Norge AS) & F. Antonsen (Statoil ASA)

14:00 GS18 - Integrating Technology and Resources — Optimizing clastic Reservoir Exploitation - J.C.L. Kok* (Schlumberger), Y.H. Shim (Schlumberger), M. Bouchard (Schlumberger) & R. Neuscheafer (Schlumberger)

UPDATING YOUR STATIC MODELS - THERE IS INFORMATION IN THE GEOSTEERING DATA
Y. de Laet (Schlumberger) & N.A. Al-Talhai (Saudi Aramco)

14:30 GS19 - Future Deep Directional Resistivity Answer Products Challenges Established Interactions Between the Operator and the Service Company - F. Antonsen* (Statoil ASA), P.A. Olsen (Statoil ASA) & M.V. Constable (Statoil ASA)
15:00 Coffee Break / Poster Session

15:30 GS20 - Enriching the Static Earth Model Through a Near-Wellbore Structural Modeling Workflow Combining all Horizontal Well Data - C. Dupuis* (Schlumberger), J.M. Denichou (Schlumberger), F. Antonsen (Statoil), M. Constable (Statoil), P. Marza (Schlumberger), R. Lepp (Schlumberger), T. Bauch (Schlumberger), H. Charef-Khodja (Schlumberger), V. de Leeuw (Schlumberger), M. Irondelle (Statoil), A.J. Herstad Sande (Statoil), T. Rognebakke Bjørstad (Statoil) & E.P. Hanevik (Statoil)

16:00 GS21 - Biosteering in Margham Field, Onshore Dubai - A Case Study on Significant Updating of the Static Model During a UBCTD Campaign - P.R. Marshall (Robertson - A CGG Company) & A. Henderson* (Robertson - A CGG Company)

16:30 GS22 - New Technologies for Well Placement in Complex 3D Scenarios and Full Integration with Geo-models - D. Omeragic* (Schlumberger-Doll Research), V. Polyakov (Schlumberger-Doll Research), C. Dupuis (Schlumberger-Doll Research), Y. Chen (Schlumberger-Doll Research), B. Brot (Schlumberger-Doll Research), S. Shetty (Schlumberger-Doll Research), T. Habashy (Schlumberger-Doll Research), T.L. Flugsrud (Schlumberger SIS) & T.L. Flugsrud (Schlumberger SIS)

17:00 GS23 - Advanced Geosteering on Example South Tambeiy Field - E. Bondarev (JSC Yamal LNG), O. Leontriya (JSC Yamal LNG) & M. Sharov* (Schlumberger)

17:30 End of Day 2
20:00 Workshop Dinner
Tuesday, 24 September

**Diamond Ballroom**

**POSTER SESSION**

10:30 - 11:00

GSP05 - ONGKM Field Development with Well Placement by High Resolution Data at Carbonate Environment -
G.P. Grebenyuk* (Gazpromneft Science & Technology Centre),
D.M. Eremeev (Gazpromneft Science & Technology Centre) &
A. Belyaev (Schlumberger)

12:30 Lunch Break

**POSTER SESSION**

15:00 - 15:30

GSP07 - Real Time Stratigraphy: Improving Placement of High angle Wells using INPEFA Log Transform Correlation in Carbonates -
S.D. Nio (ENRES International), H. Abdul Aziz (ENRES International),
J.G. Koopmans* (ENRES International),
J. Hall (ADCO) & M. Jasser (ADCO)

GSP08 - Using Inversion of Extra-deep Resistivity Data in High-angle Wells -
R. Tilley-Baker* (Baker Hughes)

Wednesday, 25 September

**Diamond Ballroom**

08:00 Welcome Coffee

08:30 Introduction to Day 3

FIELD DEVELOPMENT PLANNING - GEOSTEERING OR NOT GEOSTEERING?
B. Al Dhafari (ADMA-OPCO) & P. Netto (Petrobras)

09:00 GS24 - Multiple Approaches of Geosteering and Well Placement -
M. Sarraj* (Saudi Aramco)

09:30 GS25 - LWD and “DTB” Technology Pushing Subsurface Understanding Beyond Conventional Limits in a Heavy Oil Belt, India -
P.K. Dubey (ONGC Ltd.), C.J. Keot* (Schlumberger Asia Services Ltd.),
N. Sanjay Kumar (ONGC Ltd.), A. Walia (ONGC Ltd.),
N.S. Rao (ONGC Ltd.), A.K. Singh (Schlumberger Asia Services Ltd.) &
R.R. Kumar (Schlumberger Asia Services Ltd.)

10:00 Coffee Break

10:30 GS26 - Horizontal Well Placement in Thin Shallow Reservoir Sands for Heavy Oil Fields Development -
J. Velasco (Mansarovar Energy Colombia Ltd.),
A. Salamanca (Mansarovar Energy Colombia Ltd),
D. Romero (Mansarovar Energy Colombia Ltd),
E. Rojas* (Schlumberger) &
A. Leguizamon (Schlumberger)

11:00 GS27 - Potential Improvements for Geosteering -
H.M. Bandah* (Saudi Aramco)

11:30 Discussion Session and Conclusion

12:00 Lunch / End of Workshop

**Venue**

The workshop will be held at the Diamond Ballroom of The Address Dubai Mall hotel.

P.O. Box 31166, Dubai
UAE T: +971 4 438 8888
F: + 971 4 438 7888
E: dubaimall@theaddress.com

**Social Programme**

**Icebreaker Reception**

Sunday 22 April, 18:00 – 20:00 hrs

The Icebreaker Reception will be held at Neos, the striking sky lounge located on Level 63 of The Address Downtown Dubai. Neos is a 10min. walk from The Address Dubai Mall. Canapés and refreshments will be served amidst views of the Dubai skylines.

**Workshop Dinner**

Tuesday 24 April, 20:00 – 22:00 hrs

Following ‘tradition’ the workshop dinner will again be held aboard the elegant Bateaux Dubai. Workshop delegates will enjoy freshly prepared international gourmet cuisine whilst cruising Dubai Creek. Transfers will be provided.

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**Contact**

For more information or enquiries about this workshop please visit the event’s website (www.eage.org) or contact the Office Middle East via: middle_east@eage.org or telephone +971 4 369 3897.

We hope to see you in Dubai!