

SPE Nigeria Annual International Conference & Exhibition 2019

Lagos, Nigeria
5-7 August 2019

Volume 1 of 3

ISBN: 978-1-5108-9194-4

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2019) by Society of Petroleum Engineers
All rights reserved.

Printed with permission by Curran Associates, Inc. (2020)

For permission requests, please contact Society of Petroleum Engineers
at the address below.

Society of Petroleum Engineers
P. O. Box 833836
Richardson, Texas 75083-3836

Phone: (800) 456-6863
Fax: (972) 952-9435

books@spe.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2633
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

VOLUME 1

SESSION 1: TS 1 - PRODUCTION OPTIMIZATION & OPERATIONS - I

RIGLESS RECOMPLETION USING CEMENT PACKER – EROTON E & P EXPERIENCE	1
<i>Onyeka Emeka, Yisa Adeeyo, Augusta Etim, Opeyemi Oluwalade, Onyema Ohabuike, Uzoamaka Okene, Leziga Bakor, Ikwan Ukauku, Niyi Afolabi, Jolomi Esimaje</i>	
THE IMPACT OF RESERVOIR HETEROGENEITY IN THE MODELLING OF SCALE INHIBITOR SQUEEZE TREATMENTS	14
<i>Friday Uzoigwe, Eric J. Mackay, Oscar Vazquez</i>	
EVALUATING THE POTENTIAL OF BIO-DERIVED FLOW IMPROVER AND ITS EFFECT ON NIGERIA WAXY CRUDE	27
<i>Adesina Fadaïro, Temitope Ogunkunle, Adebowale Oladepo, Adedapo Adesina</i>	
PERFORMANCE EVALUATION OF CASHEW NUT SHELL LIQUID CNSL AS FLOW IMPROVER FOR WAXY CRUDE OILS	42
<i>William Iheanyi Eke, Ozioma Achugasim, Samuel E. Ofordile, Joseph A. Ajienska, Onyewuchi Akaranta</i>	
EXPERIMENTAL STUDY ON THE EFFECT OF UNDULATING PIPELINE ON SAND TRANSPORT IN MULTIPHASE FLOW	57
<i>Nonso E. Okeke, Osho Adeyem, Archibong Archibong-Eso, Yahaya D. Baba, Aliyu M. Aliyu, Emmanuel O. Aluyor, Hoi Yeung</i>	

SESSION 2: TS 2 - WELL DESIGN, DRILLING & COMPLETIONS - I

A SYSTEMATIC APPROACH TO RESOLVING WELLBORES STABILITY ISSUES WHILE DRILLING THROUGH DEPLETED SANDSTONE RESERVOIRS, CASE STUDY-GAB FIELD, NIGER DELTA	67
<i>J. A. Onyeji, J. S. Mboto, T. W. Stafford, O. A. Ekun, G. Adamo, O. E. Oladimeji</i>	
EVALUATING THE PERFORMANCE OF LOCAL ANIONIC EMULSIFIER AS A POSSIBLE EMULSIFIER FOR SYNTHETIC-BASED MUD SYSTEM FOR DRILLING OPERATIONS	78
<i>Richard Amorin, Eric Broni-Bediako, Joel Bright Adanvor, Prince Opoku Appau</i>	
EGINA DEEP WATER DEVELOPMENT: ISOLATION BARRIER VALVE CASE STUDY	91
<i>C. Okpalla, V. Chaloupka, V. Okengwu, M. MacMillan, D. Ezugworie, U. Nwankwo, T. Akinniyi</i>	
A CASE STUDY OF SUSTAINED ANNULUS PRESSURE DIAGNOSIS IN A NEWLY DRILLED HIGH-PRESSURE GAS WELL IN SPDC	105
<i>Adejoke Adebayo, Olugbenga Daodu, Eric Ezenobi, Olayinka David, Abiodun Laoye, Gbenga Komolafe, Linda Dennar, Somtochi Nwandu, Christabel Chidiebere, Suleiman Ahmed, Ime Uyouko</i>	
THE LOSS OF PRIMARY BARRIER: AN INTEGRATED APPROACH OF DOWNHOLE LEAK LOCATION AND QUANTIFICATION. CASE STUDY	115
<i>Maxim Volkov, Andrey Yurchenko, Remke Ellis</i>	

SESSION 3: TS 3 - DEEP WATER DEVELOPMENT & OPERATIONS

EVALUATION OF THE INHIBITION EFFICIENCY OF PLANT EXTRACT PE AS GAS HYDRATE INHIBITOR IN A SIMULATED OFFSHORE ENVIRONMENT	135
<i>Virtue Urunwo Elechi, Sunday Sunday Ikiensikimama, Joseph Atubokiki Ajienska, Onyewuchi Akaranta, Mike Obi Onyekonwu, Okon Efiog Okon</i>	
SUCCESSFUL COILED TUBING CATENARY CEMENT PACKER AND SAS INSTALLATION IN A HORIZONTAL WELL FOR DEVELOPING BYPASSED RESERVES: OFFSHORE NIGER DELTA	148
<i>Yannick N. Songa, Henry Ude, Chioma Uzodinma, Chigoziem Enyioko, Emmanuel Ighavini, Onuh Haruna, Godian Ndukauba</i>	
SUCCESSFUL INSTALLATION OF THE FIRST DEEP WATER SINGLE TRIP STAND-ALONE-SCREENS COMPLETION IN THE INDUSTRY SAVES RIG TIME	161
<i>Osehojie Ojeh-Oziegbe, Yeneapre Apremu Aye, Euan Murdoch, John Walker</i>	

DEFINING THE OPTIMAL DEVELOPMENT STRATEGY TO MAXIMIZE RECOVERY AND PRODUCTION RATE FROM AN INTEGRATED OFFSHORE WATER-FLOOD PROJECT	190
<i>Hajara Kabeer Abdulfatah</i>	
IMPLICATION OF STRUCTURAL ANALYSIS IN THE DEVELOPMENT AND MANAGEMENT OF A MATURING FIELD – THE AKPO CASE STUDY.....	208
<i>Livinus Nosike, Gabriel Uwerikowe, Victor Biu, Adeoye Adeyemi, Musa Usman</i>	

SESSION 4: TS 4 - HEALTH, SAFETY AND ENVIRONMENT - I

EFFECT OF ENVIRONMENTAL AND OCCUPATIONAL EXPOSURES TO HEAVY METALS: THE HEALTH IMPLICATIONS.....	226
<i>Brilliance O. Anyanwu, Anthonet N. Ezejiolor, Ify L. Nwaogazie, Orish E. Orisakwe</i>	
ECOLOGICAL REMEDIATION OF HEAVY METALS IN CRUDE OIL POLLUTED WATERS USING DUCKWEED.....	238
<i>Abraham O. Ekperusi, Francis D. Sikoki, Eunice O. Nwachukwu</i>	
ACHIEVING & SUSTAINING IMPECCABLE HSE PERFORMANCE IN BROWN FIELD OPERATIONS COMES AT A COST OML26 BLAZES THE TRAIL	249
<i>Smart Acha, James Fadairo, Dennis Ogiesoba, Ikenna Okeke, Tata Emmanuel, Joseph A. Brown</i>	
DYNAMIC RISK ASSESSMENT – A MACGYVERISM TO WORKSITE INCIDENTS	255
<i>Ebuka Umeh</i>	
ASSESSMENT OF VEHICULAR CARBON DIOXIDE EMISSION AT MAJOR ROAD INTERSECTIONS IN BENIN CITY, EDO STATE NIGERIA	269
<i>Ikechukwu S Iwuala, Timi O. Oriaku</i>	

SESSION 5: TS 5 - RECOVERY MECHANISM & PROCESSES - I

EXPERIMENTAL INVESTIGATION OF NANOSKIN FORMATION THRESHOLD FOR NANO-ENHANCED OIL RECOVERY NANO-EOR	285
<i>Yetunde A. Omotosho, Olugbenga A. Falode, Temilola I. Ojo</i>	
DEVELOPMENT OF A NEW HIGH-PRESSURE HIGH-TEMPERATURE TECHNOLOGY FOR ADVANCED SCREENING OF BIOSURFACTANTS AND INJECTION OF MICROBES IN POROUS ROCKS DURING LOW-SALINITY EOR PROCESSES.....	297
<i>Chibuzo C. Onyemara, Lateef T. Akanji, Rainer Ebel</i>	
KEY SUCCESS FACTORS AND CHALLENGES OF GAS INJECTION IN A DEEP OFFSHORE TURBIDITE ENVIRONMENT – DEEPWATER AKPO FIELD EXAMPLE.....	323
<i>Jed Oukmal, Victor Biu, Musa Usman</i>	
FORMULATION OF BIO-WASTE DERIVED POLYMER AND ITS APPLICATION IN ENHANCED OIL RECOVERY	332
<i>Adesina Fadairo, Gbadegesin Adeyemi, Obioma Onyema, Adedapo Adesina</i>	
EFFECTS OF TEMPERATURE ON CRUDE-OIL-ROCK-BRINE INTERACTIONS DURING CONTROLLED SALINITY BIOSURFACTANT FLOODING	343
<i>Tinuola Udoh, Jan Vinogradov</i>	

SESSION 6: TS 6 - RESERVOIR DESCRIPTION & DYNAMICS - I

RESOLUTION OF A PERENNIAL WATER-CUT HISTORY MATCH CHALLENGE HELPS TO OPTIMIZE DRILLING PROGRAM.....	361
<i>Nurudeen Oluwatosin Yusuf, Parrish Andrew, Lynn Silpngarmers</i>	
DYNAMIC MODELLING FOR RESERVOIR CONNECTIVITY ANALYSIS IN MATURE FIELDS	376
<i>Olawale Ajayi, Sunday Ikiensikimama, Emmanuel Mogbolu</i>	
A NOVEL APPROACH FOR PREDICTING SAND STRINGERS: A CASE STUDY OF THE BAKA FIELD OFFSHORE NIGERIA.....	392
<i>Obinna Chudi, Magnus Kanu, Austin Anaevune, Idris Yamusa, James Iwegbu, Oloniboko Sesan, Joel Musa</i>	
RESERVOIR ARCHITECTURE AS A DRIVER FOR EFFECTIVE FIELD DEVELOPMENT PLANNING IN AN UN-APPRAISED FIELD; KZ FIELD, KAZAKHSTAN AS A CASE STUDY	403
<i>Omagbemi G. Kakayor</i>	

CREATING VALUE THROUGH INTEGRATED RESERVOIR STUDY IN MATURE ASSET VIA RESERVOIR UNCERTAINTY CHARACTERIZATION: A CASE STUDY FROM THE NIGER DELTA FIELD A05 RESERVOIR	414
<i>Adagogo J. Jaja, Nnamdi Okani, Vincent Eme, Ricardo Combella Ricardos, Lynn Silpngarmlers</i>	

SESSION 7: TS 7 - PRODUCTION OPTIMIZATION & OPERATIONS - II

WELL PLACEMENT OPTIMIZATION USING SIMULATED ANNEALING AND GENETIC ALGORITHM	423
<i>Aisha Diggi Tukur, Petrus Nzerem, Nhoiyidi Nsan, Ikechukwu Stanley Okafor, Abdullahi Gimba, Oghenerume Ogolo, Alonge Oluwaseun, Okafor Andrew</i>	
USE OF RADIAL BASIS FUNCTION NETWORKS FOR EFFICIENT WELL PRODUCTION ALLOCATION	434
<i>Maxim Zubarev, Denis Zubarev</i>	
INTERPRETING DOWNHOLE PRESSURE AND TEMPERATURE DATA FROM ESP WELLS BY USE OF INVERSION-BASED METHODS IN SAMABRI BIENI FIELD	447
<i>Moradeyo Adesanwo, Oladele Bello, David Zhu, Barthemeaus Owen, Bob Ogu, Jennifer Chimuanya Ossai, George Iwo</i>	
PRODUCTION OPTIMIZATION OF LIQUID LOADING PROBLEM IN OFFSHORE NIGER DELTA GAS CONDENSATE FIELD	458
<i>Mohammed Bashir Abdullahi, A. D. I Sulaiman, Usman Abdulkadir, Ibraheem Salaudeen, Bashir Umar Shehu</i>	
PRODUCTION ENHANCEMENT USING MICROEMULSION TECHNOLOGY IN RONA FIELD	473
<i>Yomi Akinnurun, Cyrusba Dagogo-Jack, Innocent Okogbue, Mutana Ogweda, Anthony Afoaku, Tochukwu Dinyelu</i>	

SESSION 8: TS 8 - WELL DESIGN, DRILLING & COMPLETIONS - II

USING RESERVOIR NAVIGATION SERVICE AND FORMATION PRESSURE TESTING TO MEET DRILLING OBJECTIVES IN OFFSHORE NIGER DELTA	485
<i>Victor Imomoh, Chidi Ndokwu, Kenneth Amadi, Oluwaseun Toyobo, Ikechukwu Nwabueze, Victor Okowi, Oyekunle Ajao, Genevieve Okeke, Yemi Dada, Sandison Jumbo, Soji Aina</i>	
PERFORMANCE EVALUATION OF A BENIGN OIL-BASED MUD FROM NON-EDIBLE SWEET ALMOND SEED OIL	495
<i>J. O. Oseh, M. N. A. Mohd Norddin, I. Ismail, A. O. Gbadamosi, S. O. Ogiriki, A. Agi, A. R. Ismail</i>	
USING THE NEW FRAC4WELL MODELS FOR PREDICTING FRACTURE GRADIENT IN DEPLETED FORMATIONS; A KEY DRIVER FOR BOREHOLE STABILITY MANAGEMENT IN BROWN FIELDS	520
<i>Akong Bassey, Adewale Dosunmu, Friday Otutu, Abiye Pedro</i>	
USING CLOUD BASED WELL ENGINEERING DATA AND WELLBORE INTEGRITY ANALYSIS TO REDUCE RISK IN NIGER DELTA WORKOVERS	542
<i>K. P. Seymour, C. Stuart</i>	
ON THE CHARACTERISATION OF THE FLOW REGIMES OF DRILLING FLUIDS	564
<i>Oluwaseun E. Ajayi, Kazeem A. Lawal, Cyril E. Ukaonu, Tunde Alabi, Oluchukwu Okoh, Obianuju Igbokwe</i>	

SESSION 9: TS 9 - BIG DATA ANALYTICS

LEAK DETECTION IN NATURAL GAS PIPELINES USING INTELLIGENT MODELS	573
<i>Oluwatoyin Akinsete, Adebayo Oshingbesan</i>	
ARTIFICIAL BEE COLONY ABC A POTENTIAL FOR OPTIMIZING WELL PLACEMENT – A REVIEW	583
<i>Emmanuel Emeka Okoro, Okorie E. Agwu, David Olatunji, Oyinkepreye David Orodu</i>	
APPLICATION OF ARTIFICIAL INTELLIGENCE IN WELL SCREENING AND PRODUCTION OPTIMISATION IN OREDO OILFIELDS, NIGER DELTA, NIGERIA	598
<i>Lateef T. Akanji, Joshua Dala, Kelani Bello, Olafuyi Olalekan, Prashant Jadhavar</i>	
APPLICATION OF GEOGRAPHICALLY WEIGHTED REGRESSION TO MODEL THE EFFECT OF COMPLETION PARAMETERS ON OIL PRODUCTION – CASE STUDY ON UNCONVENTIONAL WELLS	608
<i>M. E Wigwe, M. C Watson, A. Giussani, E. Nasir, S. Dambani</i>	
UTILIZATION OF BIG DATA ANALYTICS AND ADVANCED FORMATION MODELLING FOR DETECTION OF KICKS IN DRILLING OPERATIONS	633
<i>Isemin. A. Isemin, King-Akanimo B. Nkundu, Okorie E. Agwu</i>	

IMPROVED WATER BASED MUD USING SOLANUM TUBEROSUM FORMULATED BIOPOLYMER AND APPLICATION OF ARTIFICIAL NEURAL NETWORK IN PREDICTING MUD RHEOLOGICAL PROPERTIES	657
<i>Oguntade Tomiwa, Rotimi Oluwatosin, Ojo Temiloluwa, Olabode Oluwasanmi, Idaka Joy</i>	

SESSION 10: TS 10 - RESERVOIR FLUIDS / PVT CHARACTERIZATION

FORMULATION OF WATER BASED DRILLING FLUID USING LOCAL MUD UWHEREU & OTOR-UDU CLAY	671
<i>Aihie John Odion</i>	
EFFECT OF WATER SALINITY ON CRUDE OIL VISCOSITY IN POROUS MEDIA AT VARYING TEMPERATURES	685
<i>Naomi A. Ogolo, Daniel O. Adesina, George O. Akinboro, Mike O. Onyekonwu</i>	
MATHEMATICAL MODELLING OF OIL VISCOSITY AT BUBBLE POINT PRESSURE AND DEAD OIL VISCOSITY OF NIGERIAN CRUDE	694
<i>Yisa Adeeyo</i>	
DEVELOPMENT OF TWO-PHASE COMPRESSIBILITY FACTOR CORRELATIONS USING A STOCHASTIC AND ROBUST GRADIENT-BASED OPTIMIZATION ALGORITHM	703
<i>Adeyemi Temitayo Sheriff</i>	
DIVERGENT VIEW ON THE USE OF INTERPOLATION TECHNIQUES IN RESERVOIR ANALYSIS	718
<i>Ebuka Ezenworo, Gabriel Achumba, Kazeem Adenuga</i>	

SESSION 11: TS 11 - RESERVOIR ENGINEERING & SURVEILLANCE - I

INJECTIVITY MONITORING & EVOLUTION FOR WATER INJECTORS IN A DEEPWATER TURBIDITE FIELD	728
<i>Vincente Onwuchekwa, Musa Usman, Paterne Wantong, Victor Biu, Jed Oukmal</i>	
A COMPUTER-AIDED HYDRATE MANAGEMENT SYSTEM	742
<i>Databa Lawson-Jack, Toyin Oduola, Ogbonda Douglas Chukwu</i>	
SOLUTION TO LIMITED PRESSURE BHP DATA IN BROWN FIELDS; MATERIAL BALANCE EQUATION APPROACH	756
<i>Bright Agbodike, Uche Osokogwu, Gabriel Achumba</i>	
CASSANDRA: A MODEL AND SIMULATOR DEVELOPED FOR CRITICAL DRAWDOWN ESTIMATION IN UNCONSOLIDATED RESERVOIRS	780
<i>Precious Ehihamen</i>	

VOLUME 2

PRACTICAL DEPLOYMENT OF FLUID CONTACT TRACKING DURING HISTORY MATCHING FOR A MORE RELIABLE RESERVOIR SIMULATION MODEL: A NIGER DELTA CASE STUDY	796
<i>Frank Ogbuagu, Lynn Silpngarmlers</i>	

SESSION 12: TS 12 - RESERVOIR GEOLOGY & GEOPHYSICS

IMPACT OF GEOLOGICAL INTERPRETATION ON RESERVOIR 3D STATIC MODEL: WORKFLOW, METHODOLOGY APPROACH AND DELIVERY PROCESS	803
<i>Augustine Agi, Afeez Gbadamosi, Radzuan Junin, Stanley Jaul Kampit, Azza Abbas, Jeffrey Gbonhinbor</i>	
THE USE OF 4D & DYNAMIC SYNTHESIS IN BROWN FIELD DEVELOPMENT: A CASE STUDY OF S-P3 INFILL WELL MATURATION, PREPARATION AND DRILLING	815
<i>G. Uwerikowe, O. Oshewa, P. Wantong, M. Usman</i>	
DELINEATING FRACTURE PATTERNS FROM SEISMIC AND WELL DERIVED MULTI-ATTRIBUTES DATA	826
<i>Rotimi Oluwatosin John, Yao Liang, Zhenli Wang</i>	
ASSESSMENT OF RESERVOIR PROPERTIES USING APPLIED ROCK PHYSICS & SEISMIC INVERSION FOR NEAR-FIELD EXPLORATION IN A NIGER DELTA FIELD	835
<i>Julius Adesun, Olanike Olajide, Chidi Ekesiobi, Abidoun Ogunjobi, Kehinde Ishola</i>	

GEOBODY INTERPRETATION AND ITS APPLICATION FOR FIELD DEVELOPMENT	846
<i>Adenaiye Olaniyi, Mora-Glukstad I. Miguel, Das Anindya, Amrasa Kefe</i>	

SESSION 25: EPOSTER DISPLAY - MORNING

DEVELOPING HISTORICAL PROJECTS' DATABASE FOR NIGERIAN OIL & GAS SECTOR-STATUS, THE IMPERATIVES AND THE NEW NORMAL	858
<i>Johnson Olu. Awoyomi</i>	
APPLICATION OF THE COMBINED ANALYTICAL METHODS & TIME LAPSE SEISMIC 4D AS A VERITABLE TOOL FOR WATER SHUT OFF WSO OPERATIONS – DEEPWATER AKPO FIELD	869
<i>Musa Usman, Victor Biu, Jed Oukmal, Adeoye Adeyemi</i>	
EXPERIMENTAL INVESTIGATION OF THE EFFECTS OF DIFFERENT ENVIRONMENTAL CONDITIONS ON PIPELINES CORROSION RATES	884
<i>Olusiji Ayoade Adeyanju, Layioye Ola Oyekunle</i>	
PETROPHYSICAL EVALUATION OF THE RESERVOIR IN THE K - FIELD, OFFSHORE GHANA	891
<i>Prosper Anumah, Shaibu Mohammed, Justice Sarkodie-Kyeremeh, Wilberforce Nkrumah Aggrey, Anthony Morgan</i>	
IN-SITU BURNING AS AN OIL SPILL CONTROL MEASURE AND ITS EFFECT ON THE ENVIRONMENT	907
<i>Abraham O. Ekperusi, Amarachi P. Onyena, Marvellous Y. Akpudo, Chibuike C. Peter, Christiana O. Akpoduado, Omesiri H. Ekperusi</i>	
GAS LIFT OPTIMIZATION WITHIN FIELD CAPACITY LIMITATIONS	918
<i>Uche Chukwunonso Ifeanyi, Samuel Esieboma, Jennifer Uche</i>	
OPTIMISING CANDIDATE WELL SELECTION FOR MATRIX STIMULATION-IPR APPROACH	927
<i>E. M. Amarfio, P. T. Adusu</i>	
EVALUATING THE EFFECTS OF HIGH VISCOSITY LIQUID ON TWO PHASE FLOW SLUG TRANSLATIONAL VELOCITY USING GAMMA RADIATION METHODS	939
<i>Yahaya D. Baba, Archibong-Eso Archibong, Aliyu M. Aliyu, Nonso E. Okeke, Adamu S. Girei, Hoi Yeung</i>	
MINIMUM SAND TRANSPORT CONDITIONS IN GAS-SOLID-LIQUID THREE-PHASE STRATIFIED FLOW IN HORIZONTAL PIPELINES	957
<i>Olawale T. Fajemidupe, Aliyu M. Aliyu, Yahaya D. Baba, Archibong E. Archibong, Nonso E. Okeke, Adegboyega B. Ehinmowo, Hoi Yeung</i>	
HORIZONTAL WELL STANDOFF PERFORMANCE AND EXPLOITATION OF THIN OIL RIM	966
<i>Peter Obidike, Mike Onyekonwu, C. E. Ubani</i>	
ESTIMATING AND MODELING OF SPATIAL VARIABILITY OF VOLUMETRIC ATTRIBUTES OF A NIGERIAN HEAVY OIL AND BITUMEN DEPOSIT	981
<i>Olatunde O. Mosobalaje, Oyinkepreye D. Orodu, David O. Ogbe</i>	
MODIFICATION OF HALL-YARBOROUGH EQUATION OF STATE FOR PREDICTING GAS COMPRESSIBILITY FACTORS	1017
<i>Ibrahim Ayuba, S. O. Isehunwa, M. B. Adamu, A. Usman, M. N. Bello</i>	

SESSION 26: EPOSTER DISPLAY - AFTERNOON

A MACHINE LEARNING APPROACH TO SHEAR SONIC LOG PREDICTION	1028
<i>Idris Bukar, M. B. Adamu, Usman Hassan</i>	
USING DEEP LEARNING AND COMPUTER VISION TECHNIQUES TO IMPROVE FACILITY CORROSION RISK MANAGEMENT SYSTEMS 2.0	1038
<i>Chijioko Ejimuda, Chukwumaijem Ejimuda</i>	
PREDICTION OF OIL RESERVOIR PERFORMANCE AND ORIGINAL-OIL-IN-PLACE APPLYING SCHILTHUIS AND HURST-VAN EVERDINGEN MODIFIED WATER INFLUX MODELS	1050
<i>Amarachi Uche Onuka, Franklin Okoro</i>	
FORMULATION AND EVALUATION OF SLOW-RELEASE FERTILIZER FROM AGRICULTURAL AND INDUSTRIAL WASTES FOR REMEDIATION OF CRUDE OIL-POLLUTED SOILS	1085
<i>Chinedu Christopher Obieze, Chioma Blaise Chikere, Rasheed Adeleke, Onyewuchi Akaranta</i>	
EFFECT OF TEMPERATURE AND SALT CONCENTRATION ON RHEOLOGICAL BEHAVIOUR OF SURFACTIN	1103
<i>S. M. Salihu, A. J. Abubakar, B. Meisam, U. A. Emmanuel, K. Y. Hassan, A. Y. Aminu</i>	

DECLINE LINE ANALYSIS DLA: A METHOD FOR FORECASTING CUMULATIVE PRODUCTION FOR SOLUTION-GAS DRIVE RESERVOIRS BASED ON FETKOVICH TYPE CURVE APPROACH	1113
<i>Omaga Sumaila</i>	
ISOLATION AND SCREENING OF HYDROCARBON UTILIZING BACTERIA FOR BIOSURFACTANT PRODUCTION: APPLICATION FOR ENHANCED OIL RECOVERY	1137
<i>Okotie Sylvester, Mike Onyekonwu, Gideon Okpokwasili</i>	
UNCONVENTIONAL APPROACH TO MANAGING KICK DURING GAS WELL DRILLING	1152
<i>Kpone-Tonwe Hannah, Maku Gbenga, Ike Micheal, Olagunju Khalid, Ojo Olaniyi, Omeke James</i>	
ARTIFICIAL NEURAL NETWORK FOR PREDICTION OF HYDRATE FORMATION TEMPERATURE	1164
<i>Odutola Toyin Olabisi, Ajiinka Joseph Atubokiki, Ojedapo Babawale</i>	
IMPACT OF WELL PRODUCTION TUBING DIAMETER ON MULTIPHASE FLOW REGIME PROFILE IN OREDO FIELDS, NIGER DELTA, NIGERIA	1177
<i>Joshua Dala, Lateef T. Akanji, Olafuyi Olalekan, Kelani Bello, Prashant Jadhawar</i>	
INVESTIGATION OF SEDIMENT MIGRATION FROM THE ABAKALIKI ANTICLINORIUM TO THE ANAMBRA BASIN - A GEOSTATISTICAL APPROACH	1189
<i>M. E. Okiator, G.O. Asuen</i>	
A GEOMODEL FOR PORE PRESSURE PREDICTION BASED ON A VISCOELASTIC COMPACTION LAW	1207
<i>Roland I. Nwonodi, Adewale Dosunmu</i>	

SESSION 13: TS 13 - PRODUCTION OPTIMIZATION & OPERATIONS - III

PRODUCTION OPTIMIZATION THROUGH PRESSURE TRANSIENT ANALYSIS	1217
<i>Fagbowore Olufisayo, Oyewole Anthony</i>	
RETROFIT GAS LIFT DEPLOYMENT FOR OIL PRODUCTION OPTIMIZATION IN ONSHORE NIGER DELTA: A CASE STUDY OF EROTON E & P OIL FIELDS	1224
<i>Onyeka Emeka, Yisa Adeeyo, Augusta Etim, Opeyemi Oluwalade, Onyema Ohabuike, Uzoamaka Okene, Leziga Bakor, Ikwan Ukauku, Niyi Afolabi, Jolomi Esimaje</i>	
LESSONS LEARNT FROM WELL INTERVENTION OPERATIONS ON WELL AA, AND THE IMPACT OF DETAILED RECIPE DESIGN ON PERFORMANCE OF A NIGER DELTA WELL	1237
<i>Oluwatobiloba Oladunni, Leste Aihevba, Richard Dokubo, Ayopo Kudayisi, Muaz Obadaki, Celestine Eze, Modestus Eze, Chika Ibama</i>	
GAS PRODUCTION OPTIMIZATION USING THERMODYNAMICS HYDRATE INHIBITION FLOW ASSURANCE METHOD	1246
<i>Kenechukwu Obiajulu Nwankwo</i>	
PRODUCTION OPTIMIZATION STRATEGIES FOR UNLOCKING RESOURCE POTENTIAL IN A HEAVY-OIL BROWN FIELD - THE OML26 SUCCESS STORY	1258
<i>Wale Ajao, Ezinwanneakolam Isiba, Eddy Okoh, Immaculate Okoruwa, Stanley Omenai, Nicholas Abu, Olusegun Babalola, Oluwatobi Oke</i>	

SESSION 14: TS 14 - WELL DESIGN, DRILLING & COMPLETIONS - III

A NOVEL DUAL ISOLATION SYSTEM FOR DEEP WATER INJECTOR STANDALONE SCREEN COMPLETIONS	1269
<i>C. Okpalla, V. Chaloupka, V. Okengwu, M. Williams, M. MacMillan, U. Nwankwo, E. Kalu</i>	
ROTARY STEERABLE DIRECTIONAL JETTING SERVICE SUCCESSFULLY DELIVERING STEP CHANGE IN DIRECTIONAL WELL DESIGN FOR SOFT SEDIMENT FORMATION IN DEEPWATER NIGERIA	1278
<i>Humphrey Osita, Nico Foekema, Olawale Oredolapo, Raphael Ozioko, Antoine Chapoulie, Kehinde Omojowolo, John Okoroafor</i>	
SINGLE TRIP TUBING CONVEYED PERFORATIONS ACROSS MULTI-LOBED DIFFERENTIALLY DEPLETED RESERVOIR COMPLEXES IN A HIGHLY DEVIATED WELL – CHALLENGES, LESSONS LEARNED & BEST PRACTICES	1288
<i>Ejimofofor Agbo, Chinedu Anyanwu, Oluwasola Olowoyeye, Titus Ini, Victor Emah</i>	
EFFICIENT PLACEMENT OF RELIEF WELL USING COMBINATION OF TOOLS	1306
<i>Abiye Iyalla Pedro, Davide Feltracco, Antonio Pasquale, Elpidio Gravante</i>	

PRESSURE RELIEF MANAGEMENT PHILOSOPHY FOR MPD OPERATIONS ON SURFACE STACK HPHT EXPLORATION WELLS	1318
<i>Ogochukwu Benyeogor, Donald Jambol, Obinna Amah, David Obiga, Sunday Awe, Adeyemi Erinle</i>	

SESSION 15: TS 15 - RECOVERY MECHANISM & PROCESSES - II

EXPERIMENTAL INVESTIGATION OF THE MACROSCOPIC DISPLACEMENT EFFICIENCY OF LOCALLY SOURCED LOCUST BEAN GUM AND GUM ARABIC	1329
<i>I. Eiroboyi, S. S. Ikiensikimama, B. A. Orij, I. P. Okoye</i>	
WATERFLOOD MANAGEMENT IN SPRING FIELD	1342
<i>Abimbola Kuku, Mobolaji Omotayo-Johnson, Ochi Achinivu, Oluwabiyi Awotiku, Akomeno Oyegwa</i>	
SWITCHING FROM WATER INJECTION SCHEME TO GAS INJECTION SCHEME FOR IMPROVED OIL RECOVERY IN A NIGER DELTA OILFIELD	1352
<i>Julius U. Akpabio, Benson E. Jackson, Celestine A. Udie</i>	
EXPLOITATION OF THIN OIL RIM WITH LARGE GAS CAP, A CRITICAL REVIEW	1363
<i>Obidike Peter, Mike Onyekonwu, Ubani C. E.</i>	
PHASE BEHAVIOUR OF LOCAL ALKALINE AND SURFACTANTS DURING FLOODING	1375
<i>A. A. Obuebite, M. O. Onyekonwu, O. Akaranta, C. E. Ubani</i>	

SESSION 16: TS 16 - RESERVOIR ENGINEERING & SURVEILLANCE - II

3D NUMERICAL MODELING OF LINEAR FLOW OF NON-NEWTONIAN FLUID IN POROUS MEDIA: APPLICATION TO NON-NEWTONIAN DRAW-DOWN PRESSURE TRANSIENT ANALYSIS	1387
<i>Kazeem Adenuga, Gabriel Achumba, Ebuka Ezenworo</i>	
THE APPLICATION OF HOLISTIC WORKFLOWS FOR SOUR RESERVOIR MANAGEMENT ON THE X FIELD	1404
<i>O. Kuku, A. Ekeigwe, G. Ajakaiye, T. Olushina, C. S. Harper, Y. Zheng, S. A. Green</i>	
BEST PRACTICES IN EVALUATING PRODUCTION PERFORMANCE: A NIGER DELTA CASE STUDY WITH INTER-RESERVOIR COMMUNICATION	1425
<i>Emmanuel Mogbolu, Chukwunweike Awa, Jude Ekwealor, Victor Jaja, Onyedikachi Okereke</i>	
LIGNIN AS A POTENTIAL ADDITIVE FOR MINIMIZING SURFACTANT ADSORPTION ON CLAY MINERALS IN DIFFERENT ELECTROLYTE CONCENTRATION	1443
<i>Jibril Tumba, Augustine Agi, Afeez Gbadamosi, Radzuan Junin, Azza Abbas, Kourosh Rajaei, Jeffrey Gbonhinbor</i>	
IMPROVEMENTS TO THE DYNAMIC MATERIAL-BALANCE METHOD OF RESERVOIR SURVEILLANCE	1466
<i>Kazeem A. Lawal, Oluchukwu M. Okoh, Asekhame Yadau, Mathilda I. Ovuru, Stella I. Eyitayo, Sunil Ramaswamy</i>	

SESSION 17: TS 17 - RESERVOIR DESCRIPTION & DYNAMICS - II

MACHINE LEARNING APPLICATION TO PERMEABILITY PREDICTION USING LOG & CORE MEASUREMENTS: A REALISTIC WORKFLOW APPLICATION FOR RESERVOIR CHARACTERIZATION	1480
<i>Francis E. Eriavbe, Uzoamaka O. Okene</i>	
DEMONSTRATING THE VALUE OF EARLY INCORPORATION OF DYNAMIC DATA DURING PROBABILISTIC ASSESSMENT FOR A NIGER DELTA GAS CONDENSATE RESERVOIR	1499
<i>Frank Ogbuagu, Lynn Silpngarmlers</i>	
SUCCESSFUL APPLICATION OF CAPACITANCE RESISTANCE MODELING TO UNDERSTAND RESERVOIR DYNAMICS IN BROWN FIELD WATERFLOOD – A NIGER DELTA SWAMP FIELD CASE STUDY	1506
<i>Ikemefula Cyril Nwogu, Asaolu Ayo, Osamuedemen Asemota, Ozy Ajibade</i>	
INTEGRATED STATIC/DYNAMIC MODELING OF RESERVOIR STACK HELPS TO RESOLVE HISTORY MATCH CHALLENGE AND IDENTIFY NEW DRILL OPPORTUNITIES	1517
<i>Nurudeen Oluwatosin Yusuf, Paul Bovet, Lynn Silpngarmlers</i>	
SIMPLE GUIDELINES FOR SCREENING DEVELOPMENT OPTIONS FOR OIL-RIM RESERVOIRS	1530
<i>Idoko Job John, Saka Matemilola, Kazeem Lawal</i>	

SESSION 18: TS 18 - GAS UTILIZATION & OPERATIONS

GAS TO POWER: GENERATING POWER TO MEET NIGERIA'S DOMESTIC NEEDS	1545
<i>Salahuddeen M. Tahir, Ali M. Sheriff</i>	
DATA ENVELOPMENT ANALYSIS DEB OF NATURAL GAS UTILIZATION IN NIGERIA	1558
<i>Lolo Ojaraida, Omowumi Iledare, Adekunle Idowu</i>	
IMPROVING THE THERMODYNAMIC PROPERTIES OF EXPORT GAS THROUGH CONDENSATE SPIKING	1568
<i>P. E. Oviawe, S. I Onwukwe, N. A. Nwachukwu, I. Onyejekwe</i>	

VOLUME 3

MACROECONOMIC, SECTORAL AND DISTRIBUTIONAL IMPACT OF GAS MONETIZATION POLICY IN NIGERIA: A CGE APPLICATION	1584
<i>Emmanuel Agiaye</i>	
PREDICTIVE MODELS ON VIABLE OPTIONS FOR LIQUEFIED PETROLEUM GAS LPG DISTRIBUTION: CASE FOR A SMALL AND MEDIUM SCALE ENTERPRISE SME COMMODITY IN NIGERIA	1617
<i>Jacob B. Neeka, Uche Ikoku, Ere Iyalla, Ogbonna Joel, Sunday Ikiensikimama</i>	

SESSION 19: TS 19 - PRODUCTION OPTIMIZATION & OPERATIONS IV

UTILIZING SURFACE PARAMETERS IN DETERMINING PERIODIC CHEMICAL INJECTION TREATMENT INTERVALS FOR AGED WATER DISPOSAL WELLS	1629
<i>Onyeka Chiazor Onwuemene, Happiness Deebe, Otokini Numbere</i>	
PRODUCTION RESTORATION THROUGH INNOVATIVE SOURCING OF LIFT GAS - JACKET X CASE STUDY	1638
<i>Adeyemi Ganiyu, Achinivu Ochi, Olufemi Adebayo, Awotiku Oluwabiyi, Ibeh Chijioko</i>	
PREDICTIVE DATA ANALYTICS FOR EFFECTIVE ELECTRIC SUBMERSIBLE PUMP MANAGEMENT	1650
<i>Sanusi Sherif, Omisore Adenike, Eremiokhale Obehi, Adebowale Funso, Blankson Eyituyo</i>	
PRIORITIZING NON-RIG WELL WORK CANDIDATES USING DATA SCIENCE	1663
<i>Francis Nwaochei, Abayomi Adelowotan, Trond Liu, Jorge Goldman</i>	
HORIZONTAL MATRIX INJECTOR STIMULATION IN UNCONSOLIDATED SAND	1675
<i>Abraham O. Ekebafe, Ezeakafor Tobeckukwu, Ololade T. Skaioye, Lawani Raymond</i>	

SESSION 20: TS 20 - COMMUNITY DEVELOPMENT / CORPORATE SOCIAL RESPONSIBILITY

THE FUTURE OF PETROLEUM ENGINEERING IN AN EMERGING RENEWABLE-ENERGY WORLD	1682
<i>Zainab M. Lawan, Kazeem A. Lawal, Cyril E. Ukaonu, Stella I. Eytayo, Saka Matemilola</i>	
SUSTAINABILITY ASSURANCE AND EVALUATION FOR EFFECTIVE CORPORATE SOCIAL RESPONSIBILITY COMMUNICATION	1693
<i>E. Ite Uwem</i>	
TOWARDS INFORMATION TRANSPARENCY: CURRENT POSTURE AND ADVOCACY FOR OPEN DATA SYSTEMS FOR EFFICIENCY, EQUITY AND JUSTICE – THE NIGERIAN OIL AND GAS EXPERIENCE	1702
<i>M. A. Ante, A. E. O. Ante</i>	
GAINS OF AN EFFECTIVE COMMUNITY MANAGEMENT FRAMEWORK: THE OML26 EXPERIENCE	1714
<i>Blessyn Okpowo, Ebenezer Ageh, Peter Agodo, Akpan Okon, Bassey Mfon, Tata Emmanuel</i>	
STRATEGIC RESPONSES TO SOCIAL DEMANDS: SOME LESSONS FOR MARGINAL OIL FIELD OPERATORS IN NIGER-DELTA REGION	1720
<i>Humphrey Otombosoba Oruwari, Opiribo Dagogo</i>	

SESSION 21: TS 21 - HEALTH, SAFETY AND ENVIRONMENT - II

OCCUPATIONAL DEATHS FROM SIMILAR CAUSES; WHY? 1727
Ganiyu Adio Shittu

PRODUCTION AND CHARACTERIZATION OF TYROSINASE ENZYME FOR ENHANCED TREATMENT OF ORGANIC POLLUTANTS IN PETROLEUM REFINERY EFFLUENT 1735
Justice Obinna Osuoha, Bene Willie Abbey, Evans Chidi Egwim, Eucharia Oluchi Nwaichi

EVALUATION OF QUALITY OF AUTOMOTIVE GAS OIL PRODUCED BY ARTISANAL PETROLEUM REFINERIES IN RIVERS STATE, NIGER DELTA 1748
Edwin Chigozie Ojirika, Ogbonna Friday Joel, N. John Ugbebor

SAFETY AND ECONOMIC ASSESSMENT OF THE VOLTAIAN BASIN PROJECT 1765
E. B. Brown Fuah, F. N. Otoo, W. Anthony

EFFECTIVE BARRIER RISK MANAGEMENT IN PROCESS SAFETY UTILIZING THE BOW TIE METHODOLOGY 1785
D. Abia, M. Iwegbu, C. Onofeghara, I. Anozie

SESSION 22: TS 22 - PROJECT ECONOMICS & FINANCING

BETWEEN PPT AND PIFB 2018: RISK ASSESSMENT OF STAKEHOLDERS FOR AN INTEGRATED PETROLEUM ASSET DEVELOPMENT 1798
Kaase Gbakon, Omowumi Iledare, Oyebimpe Adeogun

COMPARATIVE ANALYSIS OF COMMERCIAL NATURAL GAS PIPELINE ECONOMICS UNDER THE EXTANT AND CALCULATED TARIFF SYSTEMS 1813
Adedapo Adejumo, Omowumi Iledare, Joseph Echendu

THE IMPACT OF THE PROPOSED PETROLEUM INDUSTRY FISCAL BILL PIFB, 2018 TAX SCHEME ON THE ECONOMICS OF OIL PRODUCTION IN NIGERIA 1824
Bariture Nyoor, Adeogun Oyebimpe, Omowumi O. Iledare

PAPER HEDGING AGAINST CYCLICAL CRUDE OIL PRICE FLUCTUATIONS: COST OPTIMIZATION INITIATIVES FOR THE NIGERIAN OIL & GAS INDUSTRY 1840
Jerry Ugolo, Debo Fagbami, Mike Iwegbu

THIRD PARTY TARIFF: A KEY INPUT TO NOV PROJECTS DECISION ANALYSIS & DECISION QUALITY 1860
P. P. Obeahon, C. N. Ikpera, A. O. Laoye

SESSION 23: TS 23 - MARGINAL FIELDS DEVELOPMENT & OPERATIONS

CEMENT PACKER: RECOVERY OF BYPASSED RESERVES IN HIGHLY DEVIATED WELL USING LARGE-VOLUME CEMENT THROUGH COILED TUBING, OFFSHORE NIGER DELTA 1871
C. Amos, E. Osanaïye, S. Louis, E. Ighavini, G. Ahabike, A. Olofin, R. Ejukorlem-Okusi

USE OF ICD WELLBORE MODELS TO IMPROVE HISTORY MATCH IN ICD COMPLETIONS 1880
Uche Chukwunonso Ifeanyi, Onwukwe Stanley, Obah Boniface, C Anyadiegwu, Ezinne Nneobocha

REDUCING DRILLING OPERATIONS COST THROUGH RENTAL INVENTORY MANAGEMENT - A CASE STUDY 1891
Otokini Numbere, Prince Aigbedion, Ugo' Okoli, Eleanor Okubor, Babatunde Olugbesan, Greg Ntiwunka

THE RISE OF BUSINESS PROCESS OUTSOURCING IN NIGERIA'S OIL AND GAS INDUSTRY AND IMPLICATIONS FOR INDUSTRIAL RELATIONS 1896
Samuel Igbatayo

CEMENT PACKER INSTALLATION IN HIGHLY DEVIATED WELL USING THE BALANCED HYDROSTATIC PLUG CONCEPT THROUGH COILED TUBING: OFFSHORE NIGER DELTA 1915
Haruna Onuh, Ilyas Abdulsalaam, Fatima Abdurahaman, Emmanuel Osarowaji, Rohan Chemmarikattil, Charles Ibrahim, Greg Ntiwunka

SESSION 24: TS 24 - FORMATION EVALUATION

MAGNETIC RESONANCE: SAYS IT AS IT IS!	1929
<i>Stanley Oifoghe, Victor Okowi, Eziulo Ibe</i>	
ESTIMATION OF RESERVOIR PERMEABILITY USING ANALOGUE CORE DATA FOR GREEN FIELD: CASE STUDIES FROM NIGER DELTA	1942
<i>Anindya Das, Chinedu Anijekwu, Kelly Maguire, Mark Wood, Segun Akinrolabu, Olaniyi Adenaiye, Olakunle Iyowu, Omolara Duvbiama, Uche Ozoemene, Kefe Amrasa</i>	
A NON-RESISTIVITY APPROACH FOR ESTIMATING WATER SATURATION A CASE STUDY IN NIGER-DELTA, NIGERIA	1951
<i>Olabode Awuyo, Abel Sunday, Adesina Fadairo</i>	
LOGGING WHILE DRILLING CEMENT EVALUATION: CASE STUDY IN DEEP WATER GULF OF GUINEA	1968
<i>Osazua Joshua Itua, Timipere Jenakumo, Mohammed Hafiz Ringim, Andre de Kuijper</i>	
REALTIME AAQUISITION OF FORMATION PRESSURE DATA FOR RESERVOIR CHARACTERIZATION AND SAFE DRILLING	1977
<i>Loretta Umeonaku, Philip Adegboye, Emmanuel Ubadigha, Hamza Ibrahim, Francis Anwana, Gabriel Omale</i>	

SESSION 27: EPOSTER DISPLAY - MORNING

DIGITAL ROCK CORE SIMULATION OF WATERFLOODING, SHOWING THE IMPACT OF ROCK HETEROGENEITY ON OIL PRODUCTION	1988
<i>Oluwakemi Olofinika</i>	
THE EFFECT OF MONOVALENT AND DIVALENT IONS ON BIODEGRADABLE POLYMERS IN ENHANCED OIL RECOVERY	2011
<i>I. Eiroboyi, S. S. Ikiensikimama, B. A. Orij, I. P. Okoye</i>	
ANALYSIS OF BOUNDARY-DOMINATED GAS WELL PRODUCTION DATA	2021
<i>Shaibu Mohammed, Prosper Anumah, Justice Sarkodie-Kyeremeh, Anthony Morgan, Emmanuel Acheaw</i>	
DYNAMIC PRODUCTION FORECASTING USING ARTIFICIAL NEURAL NETWORKS CUSTOMIZED TO HISTORICAL WELL KEY FLOW INDICATORS	2042
<i>David N. Nnamdi, Victor O. Adelaja</i>	
BOTTOM-HOLE PRESSURE ESTIMATION FROM WELLHEAD DATA USING ARTIFICIAL NEURAL NETWORK	2061
<i>Oluwatoyin Akinsete, Blessing Adetoye Adesiji</i>	
A MECHANISTIC APPROACH TO SUBSEA GAS PIPELINE CAPACITY UTILIZATION – CASE STUDY	2076
<i>Ogenethoja Umuteme, Ebuka Umeh</i>	
LABORATORY STUDY OF OIL PALM KERNEL SHELLS AND MANGROVE PLANT FIBER BANANA TRUNK FIBER AS LOST CIRCULATION MATERIALS IN SYNTHETIC BASED DRILLING MUD	2106
<i>Ekeoma Isaac Prince, Adewale Dosunmu, Chimaroke Anyanwu</i>	
PHYSICOCHEMICAL CHARACTERIZATION OF STARCH FROM UNRIPE LAM PULP AS A LOW-COST STARCH SOURCE FOR OILFIELD APPLICATIONS	2127
<i>C. N Adewumi, O Achugasim, R. E Ogali, O Akaranta</i>	
RESERVOIR NAVIGATION IN NJABA FIELD – CHALLENGES, PROCEDURE AND RESULTS	2137
<i>C. Ndokwu, K. Amadi, O. Toyobo, V. Okowi, I. Ajisafe, A. Inenemo</i>	
PERFORMANCE ASSESSMENT AND ECONOMIC ANALYSIS OF BLENDED CLASS G CEMENT WITH LOCAL CEMENT FOR OIL WELL CEMENTING OPERATIONS: A CASE STUDY OF GHANA	2145
<i>Richard Amarin, Eric Broni-Bediako, Collins Westkinn, Prince Opoku Appau</i>	
EVALUATION OF CUTTINGS TRANSPORT IN WELL ANNULUS USING POWER LAW MODEL	2154
<i>Edward K. Menegbo, Eme Charles, Adewale Dosunmu</i>	
EVALUATION OF ROCK FAILURE MODELS FOR THE DETERMINATION OF A SAFE MUD WEIGHT WINDOW DURING DRILLING OPERATIONS IN THE NIGER DELTA	2165
<i>Chioma Ogbachie Success</i>	

SESSION 28: EPOSTER DISPLAY - AFTERNOON

RHEOLOGICAL PROPERTIES OF TERMINALIA MANTALY EXUDATE AS DRILLING MUD ADDITIVE 2178
Olanari Inemugha, Franklin Chukwuma, Onyewuchi Akaranta, Joseph A. Ajienska

CONSIDERATIONS FOR MITIGATING EARLY WATER BREAKTHROUGH IN HORIZONTAL WELLS IN HEAVY OIL RESERVOIRS IN THE NIGER DELTA - OGINI FIELD CASE STUDY 2188
Ochuko Erivwo, Josephine Ochai, Victor Agbaroji, Oluwatobi Oke

MAXIMISING OIL RECOVERY IN MATURE WATER FLOODS USING AUTOMATED PATTERN FLOOD MANAGEMENT 2200
Edet Ita Okon, Joseph Adeoluwa Adetuberu, Dulu Appah

GLOBAL WARMING ISSUES, CHALLENGES & VULNERABLE AFRICA – CLEANER ENERGY POSSIBILITIES, EMISSION REDUCTION ANALYSIS AND MITIGATION STRATEGIES 2215
Ebuka Umeh, Cyprian Onyekperem

INTEGRATED EFFECTIVE STRESS RATIO AND STRESS PATH APPROACH TO FRACTURE GRADIENT ESTIMATION FOR VIRGIN AND DEPLETED RESERVOIRS 2233
Kelvin Okpako, Olayinka David

CONTINUOUS CIRCULATION TECHNOLOGY TO REDUCE DRILLING DAYS IN OFFSHORE WEST AFRICA: CASE STUDY 2255
Rachel Johnson, Djamel Zerari, Piervittorio Salicante, Paolo Midolo

WELL CONTROL: HARD OR SOFT SHUT-IN, THE ONSHORE EXPERIENCE 2269
Ephraim O. Ogunyemi, Supreme Oghenewoakpo

EGINA DEEP WATER DEVELOPMENT COMPLETION SUCCESS: ONE TEAM WORKING TOGETHER SETTING NEW PERFORMANCE STANDARDS 2279
C. Okpalla, V. Chaloupka, R. Djenani, V. Okengwu, T. Akinniyi, B. Orluwosu, K. Johnson

LESSONS LEARNT DURING HYDRAULIC WORKOVER FOR ESP REPLACEMENT 2295
Mohammed Othman, Choja Ojanomare

INTEGRATION OF ROCK PHYSICS AND SEISMIC INVERSION FOR NET-TO-GROSS ESTIMATION: IMPLICATION FOR RESERVOIR MODELLING AND FIELD DEVELOPMENT IN OFFSHORE NIGER DELTA 2308
Obinna Chudi, James Iwegbu, Gerard Tetegan, Obinna Ikwueze, Oghogho Effiom, Uruh Oke-Oghene, Babatunde Ayodeji, Stephen Opatewa, Titi Oladipo, Tunbosun Afolayan, Amba-Ambaiwei Tonyi, Francesca Osayande, Oladipo Falade, Magnus Kanu, Austin Anaevune, Jake Emakpor, Chuks Afulukwe, Sophie Pokima

COMPLEX RESERVOIR RE-DEVELOPMENT IN A DEEP OFFSHORE MATURING FIELD: AKPO FIELD CASE STUDY 2318
Adeoye Adeyemi, Gabriel Uwerikowe, Tapesh Tyagi, Jed Oukmal, Musa Usman

CHARACTERIZATION OF POTENTIAL PARAFFIN WAX REMOVING BACTERIA FOR SUSTAINABLE BIOTECHNOLOGICAL APPLICATION 2332
A. U. Okoye, C. B. Chikere, G. C. Okpokwasili

EVALUATION OF INTERFACIAL FRICTION MODELS IN STRATIFIED FLOW: GAS-LIQUID TWO-PHASE FLOW 2346
Mobolaji Abegunde, Tobinson Briggs, Fidelis Abam, Tayo Awolola

Author Index