Collaborate with West Africa’s well intervention community and discover innovative and economic strategies that enhance well performance

- MARKET OVERVIEW
- PRODUCTION ENHANCEMENT
- WELL INTEGRITY
- RISERLESS LIGHT WELL INTERVENTION
- VESSELS
- LOGISTICS AND SUPPLY CHAIN

KEYNOTE SPEAKERS INCLUDE

Mirick Cox  
Light Well Intervention Lead  
Exxon Mobil

Andrea Hughes  
Completions, Interventions and Integrity Engineering Team Leader  
BP Angola

Mordecai Ladan  
Director  
Department of Petroleum Resources

Geraldo Ramos  
Senior Production Engineer  
Sonangol

Matthew Eghan  
Subsea Lead Engineer  
Tullow Oil

Ifeanyi Ugbor  
DW Completions & Well Intervention Engineer  
Shell Nigeria

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REGISTER TODAY >>
MARKET OVERVIEW: A forecast of market activity in West Africa for 2019-2020 with a specific focus on subsea well intervention

RISERLESS LIGHT WELL INTERVENTION: Analyse the latest RLWI campaigns throughout West Africa and discover whether this is the most reliable, efficient and cost effective practise

WELL INTEGRITY: Explore how global well integrity methods can help you develop successful well integrity strategies for future West African campaigns

VESSELS: Understand how multi-operator vessel campaigns could utilise dedicated and non-dedicated vessels to enhance LWI efficiency

PRODUCTION ENHANCEMENT: Review the latest techniques including water shutoff, sidetracking and well stimulation to maximise well performance within deep and shallow waters

LOGISTICS AND SUPPLY CHAIN: Understand how logistical experts foresee the market and learn strategies that will improve your supply chain efficiency and costs

“Very informative sessions along with solid networking opportunities.”

Chris James, SSWI Advisor, Chevron

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Welcome to **OWI 2019 WA**

The West African Offshore Well Intervention Conference

We are extremely pleased to be hosting the 2nd annual OWI WA 2019 conference. It is the only opportunity for the West African well intervention community to collaborate and network under one roof.

This year’s conference has been developed through carefully analysing hours of in depth research discussions with over 40 West African and global industry experts. We have created an astute programme which entails the latest well intervention case studies and technologies. The result is a conference focused on the most critical themes shaping the offshore West African well intervention market.

Our aim is to educate the community on the latest developments and opportunities in order to improve overall well intervention campaigns. We also strive to improve collaborative efforts between regulators, operators and service companies, through our presentations, panel discussions and networking sessions.

We’re hoping you’ll join us in Accra to learn more and network more than ever before, resulting in an improvement to your West African well intervention strategy.

If you have any questions regarding speaking, sponsorship and exhibition opportunities at OWI West Africa, feel free to contact me.

Will Hurl
Project Manager, Offshore Network

These themes include:
- Market Overview
- RLWI
- Well Integrity
- Production Enhancement
- Vessels
- Logistics and Supply Chain

"It was very informative. Good opportunity to share and learn about interventions."

Suleman Sule, Well Intervention Manager, Total Nigeria

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OWI WA 2019 Expert Speakers

OPERATING COMPANIES

Mirick Cox
Light Well Intervention Lead
Exxon Mobil

Andrea Hughes
Completions, Interventions and Integrity Engineering Team Leader
BP Angola

Mordecai Ladan
Director
Department of Petroleum Resources

Matthew Eghan
Subsea Lead Engineer
Tullow Oil

Rakesh Kumarvij
Advisor
Oil and National Gas Corporation, India

Ifeanyi Ugbor
DW Completions & Well Intervention Engineer
Shell Nigeria

Geraldo Ramos
Senior Production Engineer
Sonangol

Kalio Joseph
Production Operations Manager
LEKOIL

Chidozie Anyachor
Well Integrity and Intervention Engineer
Chevron Nigeria

Matt Vicks
Subsea Well Engineer
BP Angola

Luis Faustino
Production Engineer
Marathon Oil

Adeboye Adeyinka
Production Engineer
Chevron Nigeria

Abiodun Ofuya
Completion Engineer
Chevron Nigeria

WELL SERVICE COMPANIES

Adewale Ayanwole
Area Manager for Downhole SSA
NOV

Phil Bosworth
Program Manager
Oceaneering

Andrea Sbordone
Senior Business Development Manager
TIOS AS

Graham Masson
Sales Manager
Interwell

Andrew Barry
Vice President
Wild Well

Vitor Eustaquio
Operations Superintendent
SONILS

Ian Donald
Managing Director
Enpro Subsea

Ralph Macauley
Global Solutions Advisor
Welltec

Get in touch with Will Hurl to discuss speaking opportunities - whurl@offsnet.com +44 (0) 20 3409 3014

“This is my first time attending the conference. OWI is a great platform for engineers & salesmen. It increases your awareness of new technologies”

Luis Faustino Edu Angue, Production Engineer, Marathon Oil
Audience

OWI WA is an operator led conference, with 30% of attendees participating from Major, Independent and National Oil Companies. We are able to attract such a large portion of West Africa’s operator community by designing our program around their specific well work needs.

In turn this gives well service companies and contractors a fantastic opportunity to hear the latest updates from owners and offer solutions that can contribute to the next wave of workover projects.

ATTENDEES

GLOBAL OWI 2018 ATTENDEES BY COMPANY TYPE

- 30% Operators
- 29% Well Service and Vessels
- 28% Downhole Tooling & Sub-Contractors
- 13% Regulatory Consultants and Other

GLOBAL OWI 2018 ATTENDEES BY JOB FUNCTION

- 27% Business Development
- 15% C-Level
- 31% Engineering
- 21% Management
- 6% Other

"Great opportunity to network with colleagues, operators and service providers and explore new technology on the market”

Steven Low,
Subsea Well Intervention Engineer, Chevron

REGISTER TODAY >>
SECTION 1: Exclusive Market Overview
Access a forecast of market activity in West Africa for 2019-2020 with a specific focus on subsea well intervention
Mordecai Ladan, Director, Department of Petroleum Resources

SECTION 2: Riserless Light Well Intervention
Speed, Operational Flexibility, and Risk – A Comparison of Rig-Based and Riserless Intervention Options in Deepwater
- Traditional deepwater subsea well interventions have utilized MODUs with open water, high pressure intervention riser systems to access the wellbore
- Technological advancements have made rigless hydraulic and mechanical intervention techniques viable in deepwater subsea wells, offering personnel safety advantages, quicker turnaround times and lower costs at the expense of reduced downhole operational capability and flexibility
- Gaps between rigless and rig-based intervention techniques are closing quickly, but several technological hurdles remain
Matt Vicks, Subsea Well Engineer, BP Angola

Angola Multifield Deepwater Riserless Mechanical Intervention Campaign – Greater Plutonio and PSVM
- BP completed a 9-well riserless mechanical intervention campaign across two fields, Greater Plutonio and PSVM, the first riserless interventions performed in Angola and the first deepwater riserless interventions executed by BP globally
- Less than 7 months from project sanction to beginning offshore operations, including engineering, equipment assurance, mobilization and integration testing
- Equipment choice and planning optimized for efficient well access on subsea equipment from multiple OEMs while performing a variety of downhole operations on slickline and wireline, including FIV milling, water shut off, perforation, and PLT
Matt Vicks, Subsea Well Engineer, BP Angola

Improving Production from Mature Fields and Marginal Sands Using the Riserless Cement Packer Technique
- Cement packers offer a cost-effective way of developing “behind-pipe” opportunities which previously could not be developed due to the unfavourable cost of a Major Rig Workover
- The idea is to maximize value from oil and gas assets by returning previously inactive wellbores to production
- Case studies demonstrating the use of this technique and the attendant results will be presented
Adeboye Adeyinka, Production Engineer, Chevron Nigeria

Nigeria’s First Deepwater Riserless Well Intervention Campaign
- Examine the success us using RLWI for the deployment of strom choke assembly to replace failed SCSSV. A through-tubing deliverable exercise
- Compare results of rig versus vessel based workover operations in the same field
- Advantages of using single package RLWI for a quick revenue recovery approach versus rig base
Kalio Joseph, Production Operations, LEKOIL

RLWI Case History: 9-Wells RLWI Campaign in West Africa
- Review the detailed scope of work performed in this multi-well campaign
- Assess the efficiency gains that can be achieved by a fully integrated RLWI system, looking at total campaign duration, average time per well and average time per run
- Discuss how overall project cost is a combination of day rate and efficiency
- Review the overall campaign achievements and lessons learnt from this Project
Andrea Sbordone, Senior Business Development Manager, TIOS

The OWI WA Conference has been carefully designed to enable oil companies within West Africa to gain the latest industry knowledge. This includes LWI strategies, technological advances and strategic business models to enhance their efficiency.
Rigless Well Intervention Performed on the Dina Star in 2017 & Polar Onyx in 2018

- Highlights the main challenges encountered during the two campaigns
- The results of the campaigns
- The Opportunities and challenges for joint campaigns with other operators in Ghana

Mathew Eghan, Subsea Lead Engineer, Tullow Oil

SECTION 3: Well Integrity Challenges

Get Access to a Joint Venture Case Study That Reviews Brownfield Well Integrity Management Strategies, Challenges and Solutions

- Share the surface and downhole well integrity management strategies deployed within the Joint Venture Area with individual case studies addressing challenges being faced by such brown fields
- Demonstrate the value of a robust well integrity management and surveillance database for adequate well integrity condition monitoring
- Demonstrate how application of lessons learned and best practice from the JV well integrity management can offer a proactive well integrity plan for greenfield development

Chidozie Anyachor, Well Integrity and Intervention Engineer, Chevron Nigeria

Open Water E-line Milling in Subsea Barrier Valve – Deepwater Angola

- The most widely used method for opening a failed subsea barrier valve is coiled tubing shifting or milling
- Coiled tubing requires a timely rig up and can be quite costly; not to mention technology to use coiled tubing from an LWIV has not yet been developed
- The use of e-line milling equipment allowed for performing the operation via LWIV and substantial cost savings. This has also changed BP Angola’s approach for shifting and milling operations during the original well completion in the event of valve failure

Andrea Hughes, Completions, Interventions and Integrity Engineering Team Leader, BP Angola

Wireline Interventions and Fishing

- Fishing requirements during interventions operations, and conveyance service offerings
- Job design and preparation including mechanical, milling and clean-out solutions, and fishing BHA options
- Fishing operations case histories, demonstrating without constraints the capabilities, over conventional options

Ralph Macauley, Global Solutions Advisor, Welltec

Water Shut Offs in Openhole Gravel Pack Wells – Deepwater Angola

- Achieving water shut-off in gravel packed wells is challenging; particularly with regards to placing a mechanical barrier to flow in the gravel pack annulus
- Through tubing plugs have been proven effective with choking water flow, but this is limited due to the permeable flow path in the gravel pack annulus
- The liquid metal plug concept has been proven to provide the best available choking effect to the water in the annulus. These plugs combined with through tubing plugs can result in a substantial reduction in water cut

Andrea Hughes, Completions, Interventions and Integrity Engineering Team Leader, BP Angola

Discover the Latest Reservoir Management Techniques used During a 3 Platform Wireline Campaign

- Detailed analysis on 2 wireline campaigns
- The priorities of the campaigns: safe operations, acquiring reservoir data Production logs (PLT) & Pressure Build-ups (PBU’s), production reliability through isolating water with Cast Iron Bridge Plugs (CIBP’s) and increased production rate through perforations
- Using the reservoir data gathered from both campaigns to optimize management of the wellbores

Luis Edu Angue, Production Engineer, Marathon Oil

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Steven Low, Subsea Well Intervention Engineer, Chevron
**SECTION 4: Production Enhancement**

**Application of EOR Techniques in Angolan Mature Oilfields**
- Review the application of EOR in Angola that is critical in extracting the remaining oil left beyond the conventional oil recovery
- Understand the opportunities and challenges of EOR techniques in new brown fields
- Learn the latest EOR techniques including Artificial intelligence based on the Neuro-Fuzzy approach

Geraldo Ramos, Senior Production Engineer, Sonangol

Solving Customer Problems by Innovating New and Evolving Proven Technologies
- Manufacturing and process improvements: new technology—turn/mill machines, less operator interaction, flexible (part/size/operations) faster, smaller footprint
- Engineering, testing, and validation
- Two case studies: 1. One Trip Cut and Pull Solution for Failed Production Packers 2. Improved Cementing for the Purpose of Well Abandonment
- Evolving proven technologies

Adewale Ayanwole, Sales Manager, NOV

**EXCLUSIVE SESSION: Well Stimulation**

Gain the operators view of new wireline technology for stimulation applications and access the results from the latest field trails

Ifeanyi Ugbor, DW Completions & Well, Intervention Engineer, Shell Nigeria

**Production Enhancement Through Well Intervention in Offshore India**
- Case study of an Indian offshore matured limestone field for sustaining oil production: Nine well interventions and two recompletions.
- Cost effective intervention technology in old wells will be reviewed.
- Analysis of how water shutoff and profile modification in injectors improved water injection efficiency.

Rakesh Kumarvij, Advisor, Oil and National Gas Corporation, India

**Exploring the Opportunities to Increase Production**
- Interwell’s straddle and plug solutions are providing operators with cost effective methods of increasing production without having to carry out expensive well workovers
- Understand how Interwell’s engineering expertise in High Expansion bridge plug technology has allowed them to develop bespoke straddle solutions capable of passing through the tightest of well restrictions
- Hear how through close collaboration with other service providers, Interwell have delivered solutions to overcome a wide variety of challenges faced by operators

Graham Masson, Sales Manager, Interwell

**Field Proven Flow Intervention Services (FIS) System for Hydraulic Intervention**
- Multi-well deepwater campaigns completed delivering enhanced production & increased operational efficiency
- Modular system configurable to a range of operating criteria and subsea interfaces.
- Introduction to second generation FIS system, aligned with emerging API 17G2 standards
- Life of field flexibility for production optimisation via patented flow access module (FAM) technology

Ian Donald, Managing Director, Enpro Subsea

“**This conference is just what West Africa needed! It allows unique collaboration between operators, service providers and regulators.**”

Billy Pierce, Services Business Development, JDR Cables
Get in touch with Will Hurl to discuss speaking opportunities

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OWI WA Conference Agenda

SECTION 5: Vessels
Planning Considerations to Effectively and Efficiently Package Light Well Intervention Systems on a Vessel of Opportunity in West Africa
- Explore the flexibility of a multi-purpose support vessel (MPSV) to deploy multi-faceted mechanical intervention packages
- Optimization of deck space to enhance safety and efficiency of operations with multiple downline schemes
- Significant benefits and enhanced operational efficiency of a bespoke pressure control head (PCH) design

Andrew Barry, Vice President, Wild Well

Rigless Light Well Intervention & “Life of Field” Vessel
- Examine recent well intervention programs and learn how operators could potentially benefit from having this capability currently in the region
- See how riserless well intervention can be used for water shutoff operations as a more cost effective solution
- Look at the advantages of contracting a “Life of Field” vessel as opposed to a dedicated vessel for Hydraulic and Mechanical Well Interventions as well as Inspection Maintenance & Repair operations

Phil Bosworth, Program Manager, Oceaneering

PANEL SESSION: Multi-Operator Field Campaigns
A panel discussion which examines how a multi operator vessel campaigns could work in West Africa
Andrea Hughes, Completions, Interventions and Integrity Engineering Team Leader, BP Angola
Mirick Cox, Light Well Intervention Lead, Exxon Mobil

SECTION 6: Tackling Logistics and Supply Chain Challenges
Understand the Challenges to Logistics in XXI Century and What Needs to be Done to Improve the Situation in West Africa
- Implementation of Lean Management in Logistics Companies
- Understand how the use of new technologies can improve your logistical systems
- Learn how to successfully management employee Competencies to improve logistics development of people in Logistics

Vitor Eustaqiu, Operations Superintendent, SONILS

PANEL DISCUSSION: Logistics and Supply Chain
Hear regulators, operators and well service companies analysing the current logistical and supply chain challenges and how they could be remedied
Mirick Cox, Light Well Intervention Lead, Exxon Mobil
Mordecai Ladan, Director, Department of Petroleum Resources
Vitor Eustaqiu, Operations Superintendent, SONILS

ADDITIONAL OPTIONS

1
Lunch and Learn
Gain unique access to new products and campaigns through our dedicated Lunch and Learn sessions hosted by our chosen service companies. To find out more contact whurl@offsnet.com +44(0) 203 409 3041

2
Networking Drinks
Join us for post conference drinks each evening. It’s a great chance to meet the community and form new business relations.

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Showcase your services at OWI WA 2019

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- Conference Sponsor

WHY SPONSOR?

Is your company taking advantage of well intervention opportunities offshore West Africa? Join us at OWI WA if you are:

- **A market leader** and want to position yourself alongside major operators on the program
- **A regional service provider** seeking to reinforce your brand and win new business
- **An established contractor** looking to enter the West African market for the first time
- Recently completed a “first of a kind” project and would like to share your experience
- Developing a **new, innovative technology** that you would like to gain exposure for...

We can help you by providing:

- **BRAND EXPOSURE**: Position your brand as a leading intervention service provider through our website, social media groups, conference brochure and onsite at OWI WA
- **THOUGHT LEADERSHIP**: If you have an innovative story to tell, a unique service or ground-breaking technology, share it as a speaker at the workshop through a presentation or case study
- **NETWORKING**: As the centre stage of all networking breaks, our technology showcase hall will give exhibitors a physical location for prospective clients to find out about your services

"I am excited to be part of this conference. There is no doubt that the conference provided an opportunity for me to take some time out and make new connections and learn about the opportunities, issues and projects of others. Overwhelming to me was the opportunity for interaction and learn new technology available in WI portfolio. Good and excellent conference"

Ifeanyi Ugbor, Well Engineer CWI, Shell Nigeria
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