



# OPC Insight

Summer 2015  
Issue 20

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A photograph of a sunrise over a mountain range, with the sun low on the horizon, casting a warm orange glow over the landscape.

A new dawn – flexibility and efficiency  
for a sub \$100 barrel world

# A new dawn

## Flexibility and efficiency for a sub \$100 barrel world

It is no secret that our industry has been enduring challenging market conditions over the last 12 months. With the oil price spiralling downwards, E&P companies were faced with a cold hard reality. The cost reduction programs began, tens of thousands of industry professionals were affected and crisis was a word on many minds.

Today we see Brent crude recovered to \$65 and most commentators forecasting a stable, steady increase to around \$80 over the next year. These conditions can be seen as a “new dawn” for our sector – providing the opportunity to learn from the difficult conditions of the last year and build **cost effective** partnerships which can deliver sustained success in the sub \$100/barrel world. Combined with cost effectiveness, the two key features of the new dawn world are **flexibility** and **efficiency**. In recognition of these drivers, we have highlighted how our services are helping our clients to deliver the maximum value from their assets:

With over 25 years’ experience in reservoir surveillance coupled with world leading expertise and innovative technology, our methodology utilises bottom hole pressure data to help pinpoint the root cause of **production underperformance** and individual well issues. The diagnostic nature of our work can help identify work-over candidates in an effort to increase production and revenue, as well as monitor the ongoing success of the well. In addition to this we have developed in-house software which allows us to process the large amounts of pressure data at a much faster rate, reducing the time it takes to upload and carry out the analysis. This service has

delivered significant increases in production revenues for a number of clients.

Our **Fully Integrated Testing (FIT) Solution** is a concept born out of observations OPC has made over the last 30 years of international well testing operations. FIT Solutions® is not only designed to ensure that test objectives are met and reservoir characterisation is optimal but also to increase the cost efficiency of well testing. When compared to planning, design and interpretation, well test operations is the most costly part of the well test exercise, and on a recent project, OPC was able to save three days from the rig operation schedule – delivering a significant cost saving for our client.

OPC has launched a strategic partnership with INTECSEA/WorleyParsons Group, the aim of which is to complement each other’s respective expertise and increase communication between subsurface and facilities companies. This approach enhances the field development process by including all the subsurface reservoir uncertainties into the pre-FEED concept selection process to ensure the operator is able to consider all development possibilities. This is our **reservoir to market full field development planning service** – which allows us access to facilities, topside, pipeline and subsea engineering expertise globally – increasing efficiency and reducing cost. The

low oil price has triggered a flurry of M&A activity as companies with well-balanced books look to snap up good quality exploration acreage or struggling E&P companies for a reduced price. Our alliance allows us to provide an integrated due diligence service to support these transactions.

Most E&P companies already have a commitment to employ a significant percentage of their labour force from the country or region in which they are operating. The drop in the oil price has provided an added incentive for many companies to increase the numbers of local employees on E&P projects rather than bring in costly expat resources. OPC has been heavily involved in **training, mentoring and knowledge transfer** of skills covering the full suite of upstream disciplines.

This issue of our newsletter features services that every E&P business should be considering in order to reduce cost and increase effectiveness. We hope that they have sparked some interest and please feel free to contact us if you’d like any further details.



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## Opinion



**Piers Johnson**  
Managing director

## “\$80 per barrel by November”

I have a hunch that the Brent crude oil price will be back above \$80 per barrel by the end of November 2015. And I am not so quietly confident, that I’ve started telling people this; and judging by the lack of people contradicting me, I am not the only one to think that the oil price will recover over the next six months!

What makes me so bullish? I’ve been in meetings with many major global oil businesses in the last two months and they all have a similar view. While you may say “they would say that wouldn’t they”, since its low of \$49 in January, Brent crude is up above \$65 at the start of June.

What is interesting to note is the impact that employment legislation has on the relative flexibility (or lack of it) that the oil companies have in workforce restructuring. This flexibility has a direct effect on when these oil businesses are forecasting an increase in the use of outsourced technical expertise from companies such as OPC. For example:

**Houston/USA** – has highly flexible labour laws and oil companies made significant head-count reductions early in 2015. Business is **already picking up** for OPC due to a demand for work that needs to be undertaken, but now with a diminished work force within these companies.

**Europe** – provides protected employment rights and most oil businesses are undertaking redundancy exercises now. I am told that demand for technical services will pick up by the **end of the summer**.

**Norway** – has strong employment law and work-force consultations are still going on. Many expats are now leaving and some Norwegians may eventually lose their jobs (which is very unusual). Demand for expert technical services in Norway may not pick up until late 2015 or **early 2016**.

Most companies have told me that they will need support at some stage, possibly sooner than the management may like (or realise) – and they cannot re-hire too many permanent staff again in the short term – so the future for technical consulting companies that take a long term partnership approach will be very positive.

**Do you agree with Piers, or have a different view?**  
**Join the discussion on the OPC LinkedIn Group.**

# Transferring knowledge delivers efficiencies

While training budgets often come under pressure during downturns, the transfer of knowledge is one of the most effective methods companies can use to reduce costs

## OPC has developed a range of training, coaching and in-country learning services to assist companies to maximise their workforce assets:

### Localisation and in-country training

Most E&P companies already have a commitment to employ a significant percentage of their labour force from the country or region in which they are operating. The drop in the oil price has provided an added incentive for many companies to increase the numbers of local employees on E&P projects rather than bring in costly expat resources. OPC has been heavily involved in training, mentoring and knowledge transfer of skills covering the full suite of upstream disciplines. Through working closely with our clients, we have found that indigenous engineers and geoscientists can be developed, mentored and trained to fill the roles that may have been previously earmarked for ex-pat consultants. While this not only assists with localisation quotas, it also has significant benefits for efficiency and cost.

### PTA one day surgery & mentoring support

Pressure Transient Analysis (PTA) is a complex discipline and its correct application for reservoir surveillance and appraisal projects or as a diagnostic tool for production underperformance can add significant value to operations. Maximising the

information from your data and achieving reliable results requires many years of experience. Errors in analysis or missed information can lead to costly decisions being made on the back of poor results and missed opportunities. Most companies will recognise this and employ an experienced member of staff, hire in a specialist consultant or outsource to a consultancy. With the pressures of the current



oil price, OPC has introduced a new service which provides the expertise of an experienced OPC PTA engineer for a one-day "surgery" at the customer's offices. During the surgery the OPC engineer will deliver a brief introduction on the theory and practise of PTA and then review current PTA projects with the client's staff. We encourage clients to include any "problem wells" in the session. We can then consult on the best

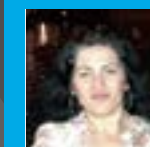
methods, solutions and advise on further studies or operations. Following the surgery, the engineer will be available to provide mentoring and support as an ongoing service if required. This offers clients a chance to access world class expertise in PTA, an opportunity to enhance their in-house skills and add to the understanding of their assets for the price of a single day's consultancy.

### Expanded technical training capability



As a result of client demand, OPC has extended the range of training courses that we deliver. In addition to the courses launched in September 2014 (see training catalogue on OPC website <http://opc.co.uk/training-courses/training-catalogue/>), we have trainers available to deliver courses on the following topics:

- Introduction to Drilling & Completions
- Well Engineering
- Well Optimization and Enhanced Oil Recovery
- Advanced Hydraulic Fracturing
- Advanced Cementing
- Well Operations – Testing
- Well Integrity Challenges and Solutions
- Artificial Lift Design and Production Optimisation
- Completion Design (Modular Course): Equipment & Operations; Production System Modelling; Tubing Stress Analysis
- Well Control
- Drilling Fluids and Solids Control
- Directional Drilling
- Basic Wellhead Maintenance
- Practical Well Test Interpretation
- Advanced Well test interpretation



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### Nigerian Oil & gas Industry

Oil reserves: 37b barrels (2<sup>nd</sup> largest in Africa)  
Production: 2.4m bbl/d (largest in Africa)  
Population: 174m (7<sup>th</sup> largest in the world)  
Size: 923,768 km<sup>2</sup> (23<sup>rd</sup> in world)

## OPC opens Nigerian office

### Providing in-country expertise

**Mention Nigeria to international oil company engineers and they find many reasons why they are suddenly unavailable for work. However, Nigeria offers excellent business opportunities for oil companies with the vision and determination to invest in the country.**

#### Nigerian oil industry

The Nigerian Oil and Gas reserves have grown tremendously since the discovery of hydrocarbon in 1956 in Oloibiri. According to the Oil & Gas Journal (OGJ), Nigeria has an estimated 37 billion barrels of proven crude oil reserves as of January 2015—the second-largest amount in Africa after Libya. Nigeria produces mostly light, sweet (low sulfur) crude oil of which the vast majority is exported to global markets. In 2014, Nigeria produced 2.4 million bbl/d of petroleum & other liquids, 2.0 million bbl/d were crude oil, the remainder were condensate, natural gas plant liquids, and refinery processing gains.

The Nigerian Government has introduced various incentives to increase oil reserves and gas utilization. These include a Memorandum of Understanding to guarantee a notional profit margin of US \$2/bbl. This was revised to include the Reserves Addition Bonus clause, which qualify operators for a tax credit for additions to reserves that exceeds its production for a year.

#### In-country resources

Historically international oil companies have struggled to find well qualified local engineering expertise in Nigeria. Coupled with the fact that international engineers are not very willing to travel then this creates a resource issue. OPC Nigeria has been established to offer a solution to these resource challenges and has applied for licences to deliver expert services in these disciplines:

#### 1. Drilling / Production

- a. Well logging, wireline services, well testing and DSTs
- b. PVT Analysis

#### 2. Exploration

- a. Seismic interpretation
- b. Down-hole data gathering and interpretation

#### 3. Technical Consultancy

- a. Reservoir evaluation and management
- b. Geological studies

#### 4. Specialised Oil & Gas Training

- a. Drilling well operations and well control
- b. Sub-surface / geological training

OPC will provide overall project support QC / QA through its USA and UK offices and will work closely with the expert local staff such as Wale Lawal, one of the principal partners in Nigeria. Wale holds a Mechanical Engineering degree from the prestigious University of Ibadan and has over 15 years' experience in the industry. He has specific expertise in supporting new ventures in Nigeria and has managed many projects within West Africa. Another partner holds an Msc. in Reservoir Engineering from the prestigious Institut Francaise du Petrole in Paris and has some 10 years' experience working on some of the biggest projects in Nigeria. These local engineers, supported by OPC's international offices, are poised to establish OPC Nigeria as a key service provider in the Nigerian Oil and Gas Industry.

Piers Johnson will be visiting Nigeria later in the year to officially launch the OPC office. In the meantime, companies interested should contact Riley Smith at OPC London offices.

## Successful well test review in Poland

**OPC Managing Director Piers Johnson made an inaugural trip to Poland in April to meet Palomar Natural Resources and San Leon Energy, partners in the Rawicz gas well which announced a successful well test result in March.**

OPC has been providing petroleum economics, drilling consultancy and well test analysis services on the project which produced a maximum test rate of 5.3 mmscfd (million cubic feet per day) with an average 24 hour steady flow rate of 4.5 mmscfd. The flow rate and pressure data collected prove a significant gas accumulation at the Rawicz field.

The positive appraisal of the Rawicz gas field is one of few recent success stories in Poland's E&P sector. Full field development and first gas sales are expected by early 2016.

As well as meeting the Palomar and San Leon management, Piers and local OPC representative Ursula Podlucka had dinner



with the Palomar team, had further meetings with international oil & gas companies and just had time for a whistle-stop tour of Warsaw before Piers flying onto Romania. Piers commented "I really enjoyed my first visit to Warsaw and it was encouraging to review the positive results from the Rawicz well test with Palomar and San Leon and to discuss further work opportunities with both companies. As a result of the positive feedback on the expertise provided by OPC I have been asked to deliver a training course on pressure transient analysis within the next few months – and I look forward to returning to Warsaw for the course."

### Training course

**Subject** Well test analysis  
**Location** Warsaw  
**Duration** 3 days  
**Date** 22<sup>nd</sup>–24<sup>th</sup> Sept 2015  
**Speaker** Piers Johnson  
→ [opc.co.uk/training-courses/training-well-test-analysis-warsaw/](http://opc.co.uk/training-courses/training-well-test-analysis-warsaw/)



# Fully Integrated Testing

A fully integrated approach to well testing provides the most accurate results and minimises operating costs

Unintegrated well testing results in objectives not being clearly defined, money not spent wisely and potential loss of very significant data needed to evaluate development cases (see "Where Well Testing goes wrong" from OPC Newsletter Issue 19).

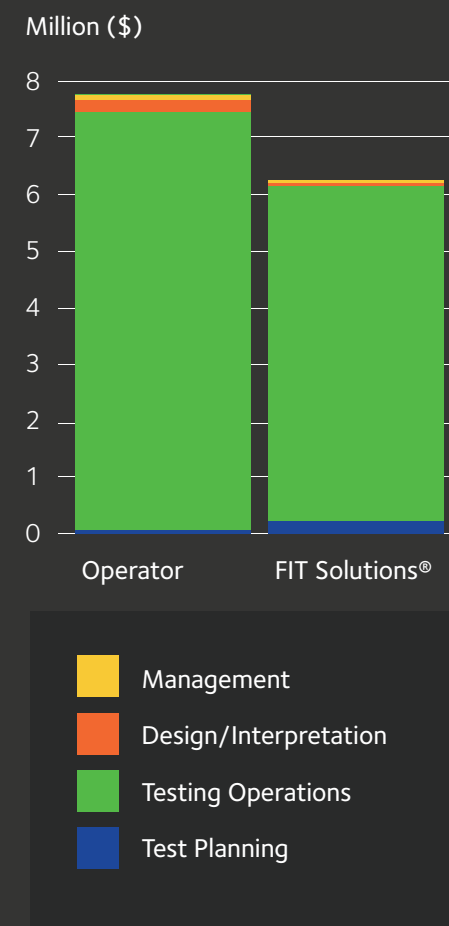
## Fully Integrated Testing (FIT Solutions®)

Our approach is to take a fully integrated approach to well testing. For over 30 years OPC has delivered the highest standards in the industry in terms of planning, managing and interpreting tests with the client's interests in mind. Our service incorporates:

- A fully integrated approach throughout the planning, design, operations and interpretation phases of the test, prioritising safe and effective operations
- Clearly defined and achievable test objectives delivered through systematic and considered implementation of detailed plans
- 24/7 monitoring and real time analysis of the test by on-site and off-site reservoir engineers, allowing immediate decision making and optimised test duration
- Clients' interests are at the core of our service and expectations are managed and always met
- More accurate data leads to less reservoir interpretation ambiguity and more detailed system understanding allowing the right business decision to be made

On a recent project, due to OPC monitoring the well test, we were able to save three days from schedule and reduce the rig operation cost by a significant amount.

## Financial Case Study



**OPC FIT Solutions® saved 3 days from rig operation**

# Consultant's Corner

In this regular feature, we find out about an OPC consultant with a quick-fire 5 minute interview.



For this issue we talk to **Andy Deans**, Well test consultant, who is retiring from full time work but supporting OPC as a training specialist from October onwards.

- 1 How did you hear about OPC?**  
 Piers first contacted me in 2004 through a mutual contact and then he spent several years convincing me to become a consultant. Ironically my first contracting venture was with a French company in Angola but I was then delighted to work for OPC for three and a half years with BP in Oman.
- 2 Why did you become a consultant?**  
 Piers kept nagging....well not entirely true but Piers did have a big influence on selling the benefits of consulting to me. Also I had been getting a bit stale driving a desk for several years so going back into an off-shore on-rotation role completely rejuvenated my love of the oil industry.
- 3 What was your favourite location?**  
 One of the real benefits of working in a field-based role is being able to travel the world and live / work in some fantastic locations. My favourite was definitely the Omani desert. A wonderful place. My least favourite was North West Pakistan in 1985 – that was a real hardship posting!
- 4 What are your plans now?**  
 This is the first time that I haven't been in full time work for 39 years so it will take a bit of getting used to. I have plans to do some travelling around Europe, in my old classic SAAB, and then from October onwards I will be working on a limited basis with OPC delivering training courses on well test engineering – so I can pass on some of the knowledge that I gained over the years.

**Having started his career in the oil industry in 1978, Andy has more than 35 years' experience and knowledge of Well Testing, including associated services like Slick Line, Sub Sea, Data Acquisition, and E line logging.**

His early career was spent with Flopetrol (Schlumberger) working on-site in a wide variety of countries in Asia, West Africa and the Middle East. In 1988 Andy moved to a training role for Schlumberger and then was head-hunted to work for Geosciences to establish and manage their training centre in Paris. In 1996 Andy returned to Schlumberger moving to Angola in 2000 as Field Services Manager. After numerous attempts, Andy was convinced to use his experience as a consultant in 2006 and after a contract with Total, he worked with OPC as a consultant with BP Oman from 2008-2012. Having decided to retire from full time work in 2015, Andy will be working with OPC as a specialist consultant for the FIT Solutions team as well as providing training courses in the Well Test domain.

Contact Edna Travers or [training@opc.co.uk](mailto:training@opc.co.uk) to book Andy to deliver a Well Test training course.



# What is Petrophysics, and what does a Petrophysicist do?

## Part 1 of 2

The term “petrophysics” was coined over 60 years ago by G.E. Archie (of the famous Archie Equation, more of which anon.) and J.H.M.A. Thomeer in a quiet bistro in The Hague. By their definition, petrophysics is the study of the physical and chemical properties of rocks and their contained fluids.

I have adapted some of the text here from: <http://petrowiki.org/Petrophysics>

Petrophysics emphasizes those properties relating to pore systems, their fluid distribution and flow characteristics. These properties and their relationships are used to identify and evaluate:

- Hydrocarbon reservoirs
- Hydrocarbon sources
- Seals
- Aquifers

To put it another way: The role of the petrophysicist is to establish the quantity of moveable hydrocarbon in the near-well bore region in both new and historical wells, and to communicate his/her findings to the geologists and engineers. The team then finds ways to exploit those hydrocarbons turning them into money.

The petrophysicist is therefore a team member – usually of more than one team: a team of explorationists, a field development team, and maybe a reservoir management team.

The petrophysicist provides information needed by team members, as well as physical and chemical insights required by other team colleagues. He/she can bring good news, or bad news, if it's a dry hole....

The reservoir and fluid characteristics to be determined are: thickness, lithology, porosity, fluid contents and pressures, fluid identification and characterisation, formation architecture: formation dip, fracturing, and (with the geologist) sedimentology, permeability

Understanding what these characteristics mean, and their significance in the assessment of reserves is not too hard. The difficult part is quantifying the above properties at a level of certainty needed to make economic decisions leading to development and production. The seven characteristics listed are interdependent: the science of petrophysics unscrambles this interdependency in the subsurface.

I have mentioned ‘near wellbore region’ and will mention ‘wireline log’:

- a log (whether it be wireline or from LWD (logging-while-drilling)) is a depth-indexed survey of a particular physical or chemical property of the rocks the drillers have succeeded in penetrating. By depth-indexed, I mean the values of that property are provided (usually) every six inches, 15.24cms. The properties measured are all useful in determining the reservoir characteristics which need to be known before any economic decisions can be made. For example, the velocity of sound: the slower the velocity, the more porous (in general) the rock formation. Another example is the level of natural radioactivity exhibited by the rock: the higher the gamma ray count, the higher the shale content (although that is by no means always the case), and the less prospective, or attractive that formation is.

- near wellbore region: the logs referred to above are obtained from oilfield tools lowered into the well. These services are provided by a number of well-known contractors: Schlumberger, Baker Hughes, Halliburton, and Weatherford. They acquire the logs of the reservoir properties (at a considerable cost) which the petrophysicist then interprets in terms of reservoir property information for his team colleagues. Since the petrophysicist is responsible for the logs, it is he who usually witnesses/supervises their acquisition. This is one of the more interesting aspects of the petro's life, sometimes involving travel to the wellsite in some distant corner of the planet,

but that is now less common, thanks to the Internet and remote witnessing.

- The ‘near wellbore region’ qualifier comes about because the logging tools only sense a short distance away from the wellbore. The precise distance varies from tool to tool, but can be less than ca.8-9 cms for the current magnetic resonance scanners to greater than 1m for resistivity tools.

So, armed with a suite of suitable, good quality logs, the petrophysicist is in a good position to address most of the properties listed above. However, no tool has been invented which can measure permeability on a continuous depth-indexed basis. We can, however, make educated estimates using the logs and other sources of information.

Expanding upon data sources for the petrophysicist:

- Mud logging solids (drill cuttings), liquids entrained in the mud apart from the mud itself, and gas content of the mud
- Measurement while drilling (MWD) and Logging while drilling (LWD)
- Wireline logging (open- and cased-hole)
- Core sampling (wireline (percussion and drilled) and whole core) and core analysis
- Fluid sampling (wireline and/or drillstem tests)

This list is arranged in order of the usual acquisition sequence.

Petrophysics emphasizes the integration of core data with log data; the adjustment of core data to reservoir conditions; and the calibration of core data to log data. The goal of the calculations is to use all available data, calibrated to the best standard, to reach accurate quantitative values of the required petrophysical parameters.

In practical terms, petrophysics is used for: determination of original hydrocarbons in place

[original oil in place (OOIP) or original gas in place (OGIP)] and their distribution, and reservoir engineering dynamic flow calculations. For the development geoscientists, petrophysics means quantifying the detailed stratigraphic, depositional, pore fabric and fluid descriptions of the reservoir. To make calculations of OOIP or OGIP and the various flow calculations, accurate foot-by-foot calculations of lithology, net pay, porosity, water saturation, and permeability are necessary. The above is summarised in the equation below (no petrophysical discourse is complete without at least one equation):

$$\text{OOIP} = \text{GRV} \times \text{N/G} \times (1 - \text{Sw}) \times \Phi \times \text{FVF (or GEF)}$$

**N/G:** Net-to-gross – defines net sand, net pay

**Sw:** water saturation.  $1 - \text{Sw}$  is therefore the hydrocarbon content

**Φ:** Porosity – the percentage volume of the reservoir which contains fluids

Those three properties are all defined by the petrophysicist

**GRV** (gross rock volume) is the subject of geological and geophysical deliberations

**FVF** (formation volume factor) and/or **GEF** (gas expansion factor) is determined by the reservoir engineer



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Consulting Petrophysicist

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# New contracts

We are pleased to announce the following selection of new contracts awarded in the last quarter. This list is not comprehensive but representative.

## Provision of sub-surface resources

OPC has signed an agreement supply sub-surface resources into operations in the UK for an independent operating company.

## Sub-surface engineering and G&G support

OPC has signed a Call Off Agreement for the provision of sub-surface engineering and petrophysical support services for a London AIM listed E&P company.

## Geological Scoping study

OPC has been awarded a geological scoping study for an international operator operating onshore West Texas.

## Oilfield Simulation modelling study

OPC has been selected to perform a dynamic simulation project for an oilfield offshore West Africa.

## Water Injectivity study

OPC recently carried out a water injectivity study for a gas field in Eastern Europe.

## Due diligence asset evaluation services

OPC has signed two separate agreements to support the asset evaluation efforts of two independent operating companies focussed on Russia and the CIS.

## Multiple Training contracts

OPC has received an excellent response to the recent re-launch of our training services initiative. Our training portfolio is developing significantly and is making meaningful contributions to clients with a commitment to develop and train local/national engineers and geoscientists. Recently awarded training contracts include the provision of training services aimed at developing local resources in Kuwait and two new agreements to provide bespoke training courses in Kuwait, Algeria and Turkmenistan.

If you would like to know more about OPC services and how you can work with us either as a services provider or client with a need for support, please contact our Business Development Manager, Riley Smith.



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# Vacancies

ALGERIA

## Consultant Petrophysicist

To work on a 28/28 rotational basis in Hassi Messaoud, Algeria. 10+ years' experience, Previous experience of working on a part-naturally fractured reservoir, experience in TECHLOG software is required and experience in log and core analysis in tight gas sand reservoirs with natural fracturing (particularly in Algeria) is required.

LONDON & ABERDEEN

## Reservoir Engineers

10+ years' experience for UK based contracts in London and Aberdeen for 3-12 months in our clients offices. Current projects we are involved with range from Field developments in South Africa to Long Life studies in SNS.

GLOBAL

## Due Diligence/Asset Evaluation

OPC is regularly and currently involved in a number of short term projects carrying out due diligence and asset evaluation studies for our clients domestically and internationally. These projects are short term and vary from 2-3 days to 2-3 weeks some with short site/data room visits. We usually supply small teams comprising of a Reservoir Engineer, a Geologist/Geomodeller and Geophysicist. We have also provided project management and economic consultants to similar projects.

ALGERIA

## Drilling Supervisors

OPC is involved of a number joint ventures in Algeria and we are looking at expanding our pool of consultants with Drilling supervisory experience for large projects that are due to start at the end of 2015. Ideally we would like to speak to consultants who have 10+ years' experience with some experience working in Algeria or North Africa who may be interested in a rotational position at rig sites in Algeria.

KAZAKHSTAN

## Jack Up Commissioning Supervisors

OPC provides expat consultants to supervise the commissioning phase of a new build jack up in Kazakhstan, our consultants work on a 28/28 basis administered completely by our Kazakhstan branch.

Any of these vacancies suit you or somebody you know? Please email your current resume to: [cv@opc.co.uk](mailto:cv@opc.co.uk). We are always looking for talented individuals with 10 years + experience in E&P so if nothing here matches what you're looking for, still feel free to send us in your details or call us on +44(0)20 7428 1111.

# Latest news

## Escape from Everest

Jim Grieve, OPC Electrical Commissioning Supervisor in Kazakhstan, was at Camp One on Everest when the earthquake hit Nepal last month. Jim was undertaking a life-long dream to climb Everest and was on his way up the mountain when disaster struck. Jim fortunately escaped injury and was then interviewed by the Scottish Sun via satellite phone (which was then syndicated by most of the British press). Jim had successfully climbed Cho Oyu in 2013 with OPC's support and we are delighted that he is now safely returned to Scotland.

## OPC supports Spinal Injuries Association

OPC teams took part in both London and Aberdeen for the annual Oil & Gas quiz supporting the Spinal Injuries Association. While neither team won, a good time was had by all in a very good cause. The event saw 52 teams of 10 between the two venues representing operating companies and suppliers. The quiz had seven rounds of questions, ranging from history, to sport to famous faces. Alongside the quiz, a range of fund-raising activities including a balloon raffle, silent auction, and prize draw for a Fiat Panda, also took place. Her Royal Highness, Princess Anne was the guest of honour at the Aberdeen event.



## Derricks & Dice raise thousands for female college scholarships

OPC was delighted to sponsor the 30th Annual SPWP (Society for Professional Women in Petroleum) Derricks & Dice Event in April 2015 held at Norris Conference Center's Red Oak Ballroom. The SPWP is a volunteer-based non-profit organisation that supports the development of opportunities for women within the oil industry. The society funds scholarships for bright young women in Texas to attend college and then go on to develop careers.

Sylvia Garcia, OPC USA consultant services manager is serving as First Vice President of SPWP and Co-Chair of the event. "Despite the oil price, the event was a complete sell-out and we were delighted by the level of interest and support from the industry. We had a record number of prizes and donations." To find out more about SPWP please contact Sylvia Garcia.



## Upgraded OPC website is Google & mobile friendly

Regular customers and consultants may have noticed that we have updated and redesigned the OPC website at [www.opc.co.uk](http://www.opc.co.uk) so that it works seamlessly on mobile phones and tablets. We hope that you like the new designs! We have also added additional information about our key services so that potential clients can understand more about what we can offer. As a result, we are seeing increased visitor numbers to our website and Google is ranking our site much higher in their search results (for example search "pressure transient analysis consultants" on google and you should see OPC on the first page!)

We have added a new functionality where you can set up an alert to email you when we add a new consultancy position that suits your needs. While new jobs are fairly thin on the ground at present, we think this functionality will be very useful when the market picks up – and we have over 100 consultants already set-up alerts at <http://opc.co.uk/jobs-2/>



# We hope you have enjoyed this newsletter. Tell us what you would like to see in the next edition.

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