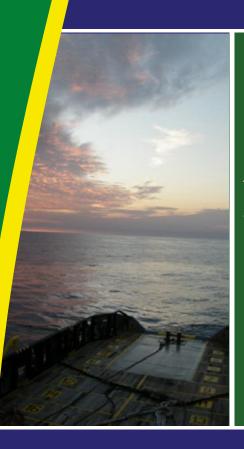
WAVE

JANUARY 2012

ISSUE 5

THE BRAZILAN FOCUSED MARKET REPORT



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The Eleventh Hour

The much anticipated 11th oil concession auction could be just weeks away, but the contents of the auction are cloaked in secrecy leaving the market rife with speculation.

by Inger-Louise Molver

espite seemingly insurmountable logistical and legislative challenges to achieve its goal of producing its vast reserves, Brazil's success as an oil nation continues to go from strength to strength. These challenges however have resulted in an extremely cautious if not reluctant attitude to press forward with a further oil rights concession auction, four years having elapsed since the tenth round – and that comprised entirely on-shore acreage.

However, in an interview with Reuters last

week Energy Minister Edison Lobao was quoted as saying that Brazil's President Dilma Rousseff would approve the country's 11th oil concession auction "within weeks". The auction is expected to include 174 areas comprising 87 on and 87 offshore areas. The crucial go ahead from Rousseff is eagerly awaited with speculation of the commencement of the 11th round being talked about for over a year.

What is not known, and is intensely anticipated is

exactly which areas will be included in the round. No statement from any government official has been able to confirm or even hint at which areas will finally come up for auction. However what is known is that the vast reserves in the pre-salt areas will not be included. Central to the decision on the pre-salt is the new Legislative Framework regarding distribution of oil royalties to the Brazilian provinces. A further discussion on this framework can be found on page seven. The government is expected to issue a bid on some of the pre-salt areas in the second half of 2012 however.

The level of involvement of Petrobras is also up for debate. Will the government insist on a minimum level of participation by Petrobras on each and every block? Will it go as far as to mandate operatorship to the state-owned company or will the IOCs have an opportunity to bid for stakes taking them to operator status – even as high as 100%? Again no official word on this, but much market speculation.

The complexity of the Legislative Framework would suggest that officials must be close to reaching a decision on

> the way forward for regulation and royalties distribution be confident enough to state the next concession was round only weeks away. With so much at stake, it is safe to say the next few weeks will continue to be fuelled with discussion and debate over the outcome of the 11th oil rights concession round.



THIS MONTHS FIXTURES

TERM FIXTURES

DATE	CLIENT	VESSEL	PERIOD	DAY RATE (USD)
21 Dec 2011	BP Brasil	Maersk Fetcher	3 years	RNR
22 Dec 2011	Petrobras	Far Scout	4+4 years	69 400
22 Dec 2011	Petrobras	C-Adventurer	4+4 years	27 822
22 Dec 2011	Petrobras	C-Atlantis	4+4 years	27 822
22 Dec 2011	Petrobras	ABG TBN 240	4+4 years	27 900
22 Dec 2011	Petrobras	Maridive 231	4+4 years	28 600
22 Dec 2011	Petrobras	Maridive 212	4+4 years	28 600
22 Dec 2011	Petrobras	ABG TBN 327	4+4 years	29 007
22 Dec 2011	Petrobras	Varada Ibiza	4+4 years	29 007
22 Dec 2011	Petrobras	ABG TBN 328	4+4 years	29 610
04 Jan 2011	OGX	Skandi Mogster	2 yr - extension	RNR

SPOT FIXTURES

DATE	CLIENT	VESSEL	PERIOD	DAY RATE (USD)
17 Dec 2011	Perenco BR	Far Sabre	07 days	RNR
20 Dec 2011	Statoil	Seabulk Brasil	20 days	35000
21 Dec 2011	Chevron	CBO Guanabara	05 days	32500
31 Dec 2011	Chevron	Seabulk Brasil	10 days	RNR
04 Jan 2012	BP Brasil	Far Sabre	15 days	48000
15 Jan 2012	Transocean	Toisa Voyager	30 days	47500



THIS MONTHS REQUIREMENTS AND MARKET SCREENINGS

REQUIREMENTS

DATE	CLIENT	sow	PERIOD	COMMENCEMENT
04 Jan 2011	Petrobrás	AHTS 12000	4+4 years	Jun 2012
04 Jan 2011	Petrobrás	AHTS 15000 TS	4+4 years	Jun 2012
04 Jan 2011	Petrobrás	AHTS 18000 TS	4+4 years	Jun 2012
06 Jan 2011	Petrobrás	OSRV 750	4+4 years	Jan 2013

MARKET SCREENINGS

DATE	CLIENT	sow	PERIOD	COMMENCEMENT
27 Dec 2011	Petrobras	OSRV 750	4+4 years	Up to 2013
27 Dec 2011	Shell	PSV/AHTS, Cargo duties, Noble CB	20 days	25 Jan 2012
06 Jan 2011	Technip	2 x PSV + 2 x AHTS	180 days	Q3 2014

Maersk Fetcher: BP have awarded the tender released September 2011, one PSV contract to the UT745 Maersk Fetcher. The vessel has been operating in the North Sea and has now arrived in Brazil. The firm contract period is reported to be three years.

Maersk Lancer: Currently on contract for Anadarko, expected release is around January 21st. The AHTS has no further commitments at time of writing. However, she has been offered on the recent AHTS 21000 ARF (B Type) for Petrobras, at USD 62.740,00 (first classified), and we expect her to be targeted by the NOC for charter.

Far Scout: Petrobras granted a 4+4 years charter to AHTS Far Scout, with ROV services (AHTS 18000 ROV). Commencement of contract is expected for Q1/2012. Far Scout is currently working for Petrobras on a 2 year contract.

Far Sailor: Current vessel contract ends February 2012, vessel will replace Far Scout on a 2 year contract with Petrobras.

ITC Chinook: The 136 TBP AHTS has been re-exported, heading towards WAF. ITC Cyclone departed Brazil as ITC was bidding her on several opportunities outside Brazil and the vessel is expected to head to Angola.

CBO Guanabara: Before being delivered to Petrobras in Q1, the MPSV UT715L has been fixed to Chevron for 12 days. The vessel is likely to remain trading the Spot for a few more weeks.

CBO Maricá: Has been sold to Oceanpact.

Skandi Mogster: The vessel was extended with OGX for further 2 years. The red-white KMAR 404 arrived in 2009 and is supporting OGX campaign since then.

FPSO OSX-1 has departed Guanabara Bay towards Waimea location, at Campos Basin. Built in Korea, the unit can hold 900.000 barrels. She will be soon connected at location to her underwater floating turret.

Sea Kiowa: Gulfmark's vessel finished her 3 years term contract with Petrobras and sails to Singapore. The AHTS has 10,700 bhp and 142 TBP.

O A PETROBRAS TENDERS UPDATE ON THIS MONTHS OUTSTANDING TENDERS

has got off to a flying start with Petrobras releasing a pack tender on 4th January based on a consultation carried out in November last year for various types of

AHTS. The most notable aspect of the tender is the simplicity of the specification and that goes for all types; 12000, 15000TS or 18000TS. Considering that the first one will be employed to support Petrobras BGL-1 pipe laying barge, which will work moored whenever operating in shallow waters, the vessel is required to have minimum 130 Tons Bollard Pull, a low requirement on thruster specification and only 200m2 deck cargo. On the 15000 category Petrobras seeks newer vessels (from 2001 onwards) of 150 TBP. Initially the vessel will be designated for heading control of tankers only and with no supply duties. On the bigger class, vessels will be employed to support MODU (Mobile Offshore Drilling Units) and FPUs (Floating Production Units). They must have at least 180 TBP, two winch drums (AH and Tow) and one secondary winch. All categories state Class I for Dynamic Positioning and have expected commencement June 2012, with deadline for proposals January 26th. Once again, Petrobras divided the prices by day rate and mobilization fee.

And while the brokers were rushing around with documents and clients, another tender came out two days later, this time for OSRVs 750 (consult made one week before), A and B, dividing the attention at the office. As with the previous tender, the main specifications were not of a particularly high standard. There is no need for supply duties and the vessels will be used only for stand-by positioning. The tender did include the custom Oil Spill equipment with 750 m³ of storage and 250 m³/h flow rate for the collector system, FiFi 1 (2400 m³/h) and DP-1 as well. The most important thing is: the bids are unique, i.e. if you bid on one type, the vessel cannot be bid on the other type, under penalty of having both offers disqualified. One last issue concerned the mobilization fee - it should be offered apart from the day rate. With regards to the delivery dates: A Type in September 2012 and B Type in January-March 2013.

This month Petrobras fixed two categories: OSRV 750 (August) and AHTS 18000 ROV (August). See chart below, according to primary tender offer (not the one negotiated after classification!):

TYPE	VESSEL	MANAGER	DAY RATE (USD)	BRAZILIAN OPERATOR
AHTS 18000 ROV	FAR SCOUT	FARSTAD	69400	BOS Navegação
	ATLANTIS	CHOUEST	27822	Bram Offshore Transportes
	ADVENTURER	CHOUEST	27822	Bram Offshore Transportes
	ABG TBN 240	VARADA	27900	Galáxia Marítima
OSRV 750	MARIDIVE 521	MARIDIVE	28600	Petrosantos
	MARIDIVE 212	MARIDIVE	28600	Petrosantos
	ABG TBN 327	VARADA	29007	Galáxia Marítima
	VARADA IBIZA	VARADA	29007	Galáxia Marítima
	ABG TBN 328	VARADA	29610	Galáxia Marítima
AHTS 15000 TO	CREST OLYMPUS	PACIFIC RADIANCE	38700	Petrosantos



A WORD WITH WESTSHORE

Victor Canellas Shipbroker Trainee

"we regret to inform that there were NO offers for the UT4000. That's right! Zero, null. What happened?."



THANK YOU TO ...

This months photographs were kindly sent to us by Varada, UOS and ITC towage.





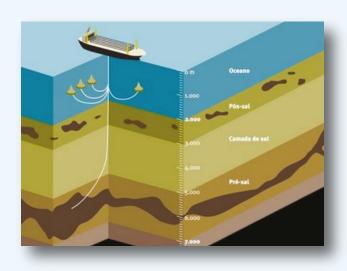
WHAT WILL AFFECT VESSEL DEMAND IN 2012?



PETROBRAS



FOREIGN INVOLVEMENT



PRE-SALT



DRILLING CAMPAIGNS

O PETROBRAS DEMAND BRAZIL'S TYRANNOSAURUS REX

THE P-REX!

2011 was a year of intense chartering activity by Petrobras, with circa 80 long term OSV charters (4+4 or 8+8 years) confirmed. Petrobras has an impressive appetite, comparable to that of a T-Rex. After all, it had to grow as much as its physical nature demanded. But the company's taste is picky, and the prey should have the right size and "price" in order for the P-Rex to grow steadily.

In light of the 'red alert' from Chevron's recent environmental disaster, Petrobras may rush to have all 'Oil Spill Response Vessels' in place to quickly comply with

IBAMA (Brazilian Federal Environmental Regulator) require- for AHTS 18000 A is ments and get the required licenses for expected to be issued, drillina and production activities. This is a sophisticated anchors and assist on and costly vessel that will be in big demand torpedo operations... in 2012.

Several Anchor handler types made up the first tender issued this year, in order to cover vessels needed for pipelay barge handling (BGL-1) whenever operating in non DP-mode in shallow waters (AHTS 12000); tugs to perform heading control of tankers during offloading operations (even DP Shuttle tankers need assistance from TS 15000 class of vessel); and a new class of TS 18000 which is meant to render offshore (deepwater) general support to DP MODUs and FPUs, but not necessarily A/H. Another requirement for AHTS 18000 A is expected to be issued, aimed at vessels to handle anchors and assist on torpedo operations.

Petrobras will keep its policy of chartering specialized vessels intended for only one task eg carry oil, water, drilling fluids, dry bulk, handle torpedoes, transport passengers among other categories. In that sense, more PSVs (~ 3000t DWT) are expected to be chartered in 2012, as well as larger PSVs but on a smaller scale. Due to an existing demand for FSVs and Line handlers, we expect Petrobras to issue bidding processes for chartering this type of tonnage as well.

We have seen Petrobras courting "new" OSV owners as suppliers in 2011 and the trend will continue in 2012. Indian, Asian and Middle Eastern owners are among the newcomers on that growing list and which, at first sight, brings competitive advantage to Petrobras on its bidding processes. Another competitive advan-

tage to ... Another requirement implemented on the bidding rounds is the option vessels coming from overseas charge a mobilization fee. This concept was

tentatively (and successfully) implemented on the last AHTS 21000 tender and is now being kept for both OSRV and AHTS on going tenders.

aimed at vessels to handle

Not less than 66 exploratory wells are expected in 2012, 15 drilling units and four FPU's expected to go on stream before year Although end. Petrobras's drilling target for 2012 is higher than the North Sea's whole drilling activity in 2011, they may fiercer competition

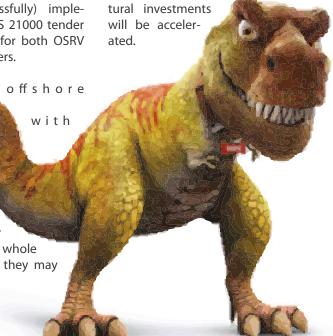
attract tonnage in

2012. West Africa,

Australia and North Sea activities are expected to attract owner's attention in 2012, but Petrobras will by far be offering the longer terms and greater volumes.

Petrobras E&P focus will remain on deep and ultra-deep waters, not lowering its 20% present world market share in that segment. Notably, the deep-water discoveries in Brazil represent 33% of worldwide oil discoveries of any kind, taking into consideration that more than 50% of the new discoveries in the last five years were in deep waters.

Such a large, aggressive and steady pace will demand additional capacity from the supply chain, mainly but not only in Brazil, due to limitation of structure, manpower and time constraints. The target of having the pre-salt production corresponding to 40.5% of Brazil's oil production in year 2020 will demand numerous resources which includes iumping the number of OSVs from ca 300 to 568. This could mean that in order to grow and move faster to reach its targets, the T-Rex "diet" may undergo



changes, and struc-



PRE-SALT: MAKING WAVES OR SAILING ON CALM SEAS?

Written by Jacqueline Medina Shipbroker

HERE is a lot of expectation involving Pre-salt field development and production, not only impacting the oil companies and their strategies looking for new reserves, but also as an important slice of the Brazilian economy. Brazilian Pre-Salt Reservoirs are estimated to reach 100 billion boe, elevating Brazil to OPEC's ranking 11th position, ahead of China, USA and Qatar. But the methods to explore this black gold are still in the very early stage. With Petrobras leading the crowd, the National giant has divided its program in phases."Phase Zero" will prioritise the collection of information and general mapping of the pre-salt by 2018. Between 2013 and 2016, "Phase 1A" will reach the goal of 1 million barrels of produced oil per day. After 2017, "Phase 1B" predicts increased production and acceleration of innovation. From this moment, Petrobras expects to have developed massive use of new technology specifically designed for pre-salt reservoir conditions.

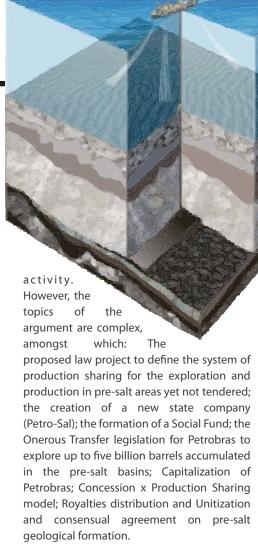
2012 brings record breaking numbers in line with ANP January 2012 announcement of a new record in Brazilian Oil Production of 2.188 MMbbl/day (November 2011), of which 7% is from pre-salt fields. 2012 will contribute to the target of more than 3.000 MMbbl/day in 2015, when 18% will be from pre-salt fields. By 2020 the estimated participation will be 40%.

What is regarded as the biggest challenge for the industry to deliver the technology for such exploration and production, Petrobras states there will be no obstacles on this new frontier. According to the company, investment in such technology reduces costs and the time of exploration and production in pre-salt, generating a huge economy, specifically by reducing time with chartered rigs and vessels. With these economies, Petrobras can afford to charter more equipment and explore more at the same time. Therefore Petrobras currently have circa 300 offshore support vessels chartered, but expects nearly 600 by 2020.

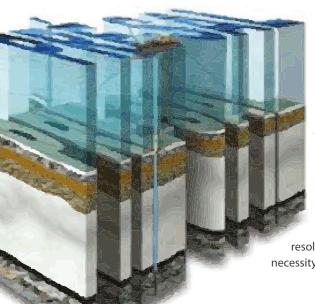
Of equal importance to Petrobras' enthusiasm over Pre-Salt, is the governmental discussion around Pre-Salt's Regulatory Framework. The

> early 90s and Cardoso's government reduced the presence of the State in the economy, which inevitably brought the breakup of the oil monopoly and an open concession model for natural resource exploration. As the results of such model materialised, and with an inclination of the current government authorities for more involvement of the State, a discussion arouse to debate if such a model should remain.

2012 will hopefully bring a resolution to this debate. This is of utmost necessity to ensure the continuity of the



All these factors are responsible for the delay to the next ANP round (11th Round), highly expected by the oil sector. The increased activity in 2012 is therefore a result of currently licensed/awarded concessions. The resolutions to be (hopefully) presented this year will become the milestone for the business to reach the positive outcome expected by, not least, Petrobras. The next few years to come will also show the impact that the new Regulatory Framework over the Pre-salt area will bring to the industry, the economy and society in Brazil.







Calma! Westshore has not gone crazy at least not entirely... This sad sentence can be seen and heard in Brazil everywhere during elections when the radical left parties post cards around the main cities advocating the country remain closed to the world. Fortunately however, this is not what is being seen and practiced in a country that is turning out to be a place that increasingly receives investment and knowledge.

The first question about Brazil and its activities dealing with the exterior is: Is Brazil an "open economy"? Yes? But under closer scrutiny, Brazil remains as one of World's closest economies, despite the jump seen recently in foreign trade. To put it into perspective, the Commercial Openness Index of Brazil, that is the relation between the GDP and Foreign Trade, remains low, around 20%. A country to be considered "open" has by convention to be over 30% on such index, where, for instance China finds itself, but way below others - like Germany with 55%, South Korea with 73%, Holland 110%, or Malaysia with 205%.* These indexes vary a lot due to Currency Exchange Rates, but give a very accurate indicator of the potential a country has in areas of foreign trade - the lower the number, the more room for expansion, provided the economic and political conditions for such exist. Moreover a demonstration that internal demand is strong, and that the country has low interdependence, which sustains the local economy in times when the World economy is not doing well. And this foreign trade business area, with a heated internal demand, that joins foreign capital investment, is exactly where Oil and Shipping falls into.

These two industries represent streams of development and are a clear example of how Brazil has invested in opening its economy to the world. The last few years have seen a number of Oil Companies either establish operations in the country or significantly expand their businesses. Amongst these are; Perenco, Vanco, Karoon, ONGC, the considerable expansion of EBX/OGX/OSX, Shell, Statoil and the BP acquisition of Devon. In 2012 we will see the first campaigns of Vanco and Karoon taking place. In Shipping, we have seen the arrivals or expansion of Varada, Olympic, Varoon, Bumi Armada, Eidesvik, ER Offshore, Greatship, K-Line, Havila, among others. It has been further seen that DeepSea Supply opened its own Brazilian Shipping Company (BSC). In 2012 Great Offshore, EMAS, TAG Offshore, Maridive will all have first contracts under execution. Hornbeck is progressing towards fully establishing a BSC as well as two other very reputable Norwegian owners which have asked us confidentiality about this move. Swire Pacific Offshore are starting construction of four large 5000 dwt PSVs and DeepSea Supply and Siem will take delivery of their STX built PSVs.

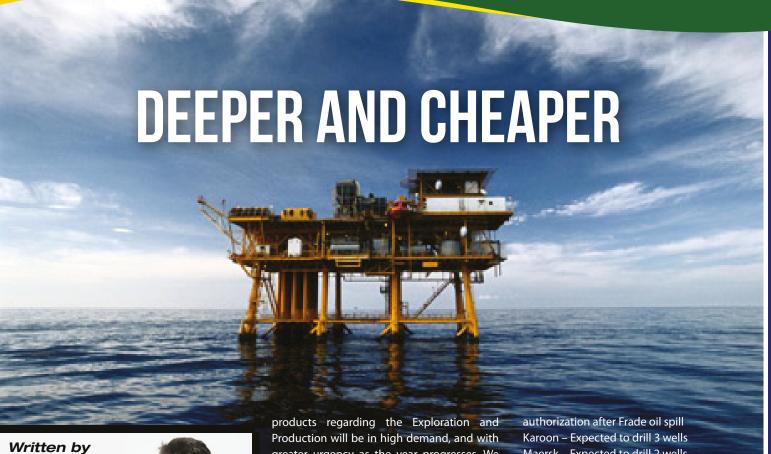
Narrowing down to the Offshore Shipping side, all these initiatives are a consequence of a business environment that gives favorable conditions to investors. On one hand the demand remains and gives clear signs that it will remain strong, with the largest sponsorship of Petrobras but also with the growing demand of the Intl. Oil Majors and OGX. Karoon and Vanco will soon nail down their vessel choices and further requirements coming forward, such as Repsol with the Drilling Campaign expected for Q3 2012 and the usual short term requirements from Shell, Starfish, BP, Statoil, which will continue to surface

The business environment has its challenges too. 2011 has possibly been the toughest year for Shipping Companies regarding overhead turnover and pressure for salaries, very little has been seen in terms of getting negotiations advanced to tackle the real issue: taxes. There has even been one strike that hit an offshore operator. The outlook for 2012 is not much more promising in that respect, we are afraid to report. It is expected that the salary negotiations will remain in the same (old)-fashion, controlling the turnover of personnel will become tighter and very little can be expected in terms of flexibilization of rules and regulations. To be a little optimistic on that area, we expect that within 2012 the VISA requirements and the notorious NR-72 (which regulates the Brazilian x Foreign worker index) will have some optimization. We also expect a more mature dialogue between Unions and the Government with their counter-parts (Owners and Oil Cos.). Economically, we expect Owners to have a more holistic view on costs and this will push rates being offered upwards, especially in Petrobras 4+4 year contracts, which will bring better balance to the overall life of the contracts.

Altogether, these aspects will support the expansion of the sector in 2012. We are positive that in 2013 we will write a similar text, with other company names that have entered Brazil in 2012, in support to the expectations we have put forward in this article. Brazil is expected to further welcome foreigners, foreign companies, foreign investment. The perspective is that the Commercial Openess Index will improve!

*Figures from World Development Indicators report, World Bank, Purchasing Power Parity.

DRILLING CAMPAIGNS FOCUS ON IOC ACTIVITY OFFSHORE BRAZIL



Douglas Moura Shipbroker



Petrobras state-owned.

greater urgency as the year progresses. We can also expect environmental issues, health issues, new and more complex laws, but above all, the big issue will be the technology. And this particularly relates to the vessels. In order to continue operational development, the Oil Companies are looking for solutions which can help them to keep operations as cheap as possible, although this can sometimes appear contradictory. The operations are carried out in harsher conditions every day and the only way to get round this is by investing in technology. Initially ship owners will face numerous challenges but mutual cooperation with the oil companies can ensure a profitable future for all parties.

is as follows:

Firstly, we expect the international oil

What can we expect in 2012?

Another year has passed and other year

arrives. The results of 2011 and the prospects

for the future of the Brazilian Oil and Gas

industry has confirmed its potential as an oil

nation. At present there are at least 10 Oil

Companies operating offshore Brazil, of which

the majority are foreign oil companies. The

only two Local companies are OGX and

Petrobras, OGX being a private company and

company's activities to increase this year, and it will bring new opportunities for the many suppliers along the supply chain. Services and

The 2012 exploration schedule for the International Oil Companies invested in Brazil

Anadarko - Expected to drill 2 wells BG - No drilling expected. BP - expected to drill 3 wells Chevron - no drilling due to withdrawal of Maersk - Expected to drill 2 wells Repsol - Expected to drill 2 wells Sonangol – Expected to drill 1 well Statoil – Expected to drill 2 wells.

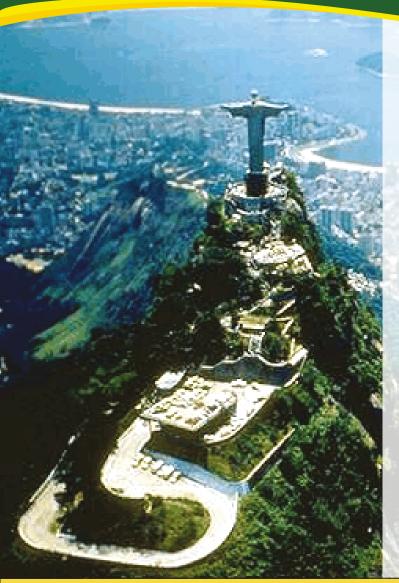
OGX - Expected to drill 10 wells in the Campos Basin; 6 wells in the Santos Basin before 2014

Petrobras - expected to drill 66 wells Total - 97 wells

There will be opportunities for all types of Offshore Vessels; PSVs, AHTS, Subsea, ORSVs, LH, Tugs, Barges. The owners will have to invest in the local market in order to comply with ANP regulation stipulating minimum local content. And the OCs in turn will have minimum local content requirements from their suppliers, this will all be under evaluation during the bidding process.

Achieving a profitable result is not without risks. But for owners and suppliers who begin the journey of establishing operations and relationships with the IOCs now, the investment is certainly expected to pay off in the future.





Take it easy...

A holiday in Brazil

Summer vacations.... while in Europe there is still six months before summer arrives, in the southern hemisphere summer has landed! Brazil may be a heated market for offshore companies but it is also enjoying heated weeks in the lead up to Carnival. Summer is also the wet season in places like Rio de Janeiro, so don't be disappointed if you arrive in the city greeted by rain. It is normal, it is humid, it is hot! But the sun will shine and you will enjoy the company of joyful people everywhere you go to.

At this time of the year, many visitors choose to venture out of the city. Some like to stay in Rio, visit the city's natural reserves, the Corcovado, Pão de Açúcar. Others like to go up the mountains to Petrópolis and Teresópolis. Around Rio, you can visit Minas Gerais and the historic towns of Ouro Preto, Mariana, which boasts the best food in the country comida Mineira! São Paulo is next door with the night-life, top-notch restaurants and theaters or why not travel to the south for Pampas culture and amazing natural sites. You can also travel to the North/Northeast to find the best beaches where summer is always in season, and winter, spring and autumn rarely make an appearance!

A WORD WITH WESTSHORE

Daniel Del Rio Managing Director

"Looking back, we can clearly see that a lot was done in 2011 as a recently established offshore shipbrokerage company. With exactly 16 months of being in business, 'Westhore do Brasil' rapidly took a leading position in both long term and spot markets in Brazil.

There is naturally a feeling that more could have been done, but I'm sure that's a sentiment shared by many when it comes to the Brazilian offshore market these days. In an arena of big prospects, the more you do, the more you get and the more prepared you are. From an owners perspective, there is one absolute fact: Brazil is one of the main places for OSV owners to be. Even with the challenges faced when working in Brazil, the sooner you get here, the sooner you start getting prepared. Despite Westshore's precise insights and advices, only when operating in Brazilian waters that the Owners will be able to have something close to the full picture of that Market.

Looking at 2012, we expect the heat in the market to remain both on the spot and long term ie IOCs and Petrobras are still as active as reported in the articles of this edition. Although it's holidays season in Brazil, January had a busy start and we trust this will be the pace for the whole year to come."