

# NIGERIA

## Oil & Gas

FINANCIAL TIMES SPECIAL REPORT | Tuesday July 24 2012

### Grand theft

Billions in oil revenue is controlled by a cartel that touches the armed forces, says **Patrick Dele Cole**



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# Law set to be a 'game-changer'

Experts say legislation falls short of its aims, but investors will know where they are. reports **Xan Rice**

The oil and gas industry is booming across sub-Saharan Africa.

To the east, large new discoveries have been announced in Mozambique, Kenya and Tanzania, while Uganda is close to starting commercial production of crude.

On the opposite side of the continent, oil has been struck off the coasts of Sierra Leone and Liberia, raising hopes they can emulate Ghana, where petroleum began flowing in 2010.

The accompanying excitement is understandable, both for the countries, for whom the looming windfalls are potentially transformative, and for the explorers and producers, which stand to make large profits.

But, in terms of the scale of resources, the new kids on the oil block have nothing on the region's hydrocarbon granddaddy: Nigeria.

Despite more than 50 years of production, and minimal exploration in recent years, Nigeria still has proven reserves of more than 37bn barrels of oil – nearly three times more than Angola, its nearest challenger.

Nigeria's sweet, light crude is also of the highest quality, and fetches top prices on international markets.

Natural gas reserves of about 190tn cubic feet are also unrivalled on the continent.

"When you look at the resources, oil and gas companies should be having a love



Hands on: a Nigerian man shows his oil covered hands near an abandoned well. Nigeria's output is still only between 2m and 2.5m b/d, roughly the same as a decade ago **AFP**

affair with the country," says Duncan Clarke, head of petroleum consultancy Global Pacific & Partners, and author of *Africa: Crude Continent*. "But they are not. Nigeria is sleeping while the other countries are getting on with it."

Despite the long-desired goal of producing up to 4m barrels of oil a day, Nigeria's output is still only between 2m and 2.5m b/d, roughly the same as a decade ago.

Deep-pocketed multinationals such as Shell, ExxonMobil, Chevron, Eni and Total are all on the ground or offshore, yet investment in maintenance and exploration is dropping.

The government has not held a licensing round for five years.

There are numerous reasons for the malaise, including insecurity in the Niger delta region, corruption, and the dysfunction of the state-run oil company, Nigerian National Petroleum Corporation (NNPC). But the main obstacle to growth in the oil and gas sector has been regulatory uncertainty.

Legislation designed to introduce sweeping changes to the industry, including fiscal terms, has been sitting with the government for four years without ever being approved.

Oil companies have refused to commit fresh money to existing

and prospective projects as a result and stagnation has set in.

Bayo Odubeko, a partner at the law firm Norton Rose, who has extensive experience in oil and gas transactions in Nigeria, estimates that the country has lost \$40bn in potential onshore and offshore investment because of the lack of clarity about the legal framework.

But the cost of the failure to reform the sector – and stop the rot in the related state institutions – extends far beyond stunted oil production and missed signature bonuses, and has even touched on the country's stability this year.

Just as the NNPC has been

mismanaged, so the four refineries mandated to supply the domestic market with petrol have been neglected and operate well below 50 per cent capacity. The demand for imported fuel has soared, and with it the scale of corruption, since Nigeria heavily subsidises petrol at the pump and makes large payments to oil marketers who bring in the refined product. The cost of the subsidy alone in 2011 was \$16bn by some estimates.

When Goodluck Jonathan, the president, tried to abolish the subsidy in January it caused an outcry and a nationwide strike, and he was forced to backtrack

and partially remove it. The rationale for getting rid of the subsidy may have been clear, but so was the public's response: clean up the oil sector first before inflicting pain on us. Mr Jonathan appears to have listened. He set up multiple committees designed to speed reform.

The most crucial of those are related to the Petroleum Industry Bill (PIB), the wide-ranging legislation that is intended, among other things, to introduce a tax and royalty regime, increase the participation of local producers, stimulate

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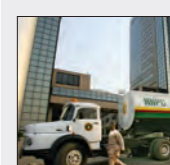
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#### Petroleum Industry Bill

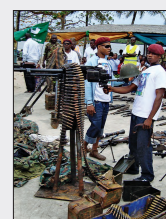
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# 'We have to track down the oil thieves'

## Guest column

PATRICK DELE COLE

It seems the Nigerian government is finally waking up to the financial impact illegal theft and sale of crude oil is having on our nation, as well as on the oil producing Niger delta region.

Last month the minister of finance said she believes up to 17 per cent of the country's production was lost in April. This means we could be losing up to 400,000 b/d.

About \$9bn of revenue, equivalent to almost a third of the Federal budget, is thus under the control of a criminal cartel with tentacles that stretch from the Niger delta, through the armed forces into the heart of organised crime and out into the rest of the world.

After years of ignoring the fact that we lose billions of dollars every year, it is a sign of progress that the government is acknowledging the scale of the problem and announcing steps to tackle it.

Unfortunately, when we take a detailed look at the structures behind oil theft and the amounts of money involved, the scale of the challenge becomes clear and the ability of the government to deal with

this issue alone is called into question.

The taskforce announced by the minister of petroleum consists of representatives from the international oil companies, the armed forces and the government. They have been mandated to identify ways to deal with the issue. But there is a problem built into this attempt at a solution.

How can we expect our armed forces to proactively seek to put an end to a trade that makes many in their ranks rich? Four years ago I wrote: "It is said in the Nigerian military that you will never find a poor admiral."

If anything, the situation has worsened since that time. The Niger delta is now a much sought-after posting in the military.

It is also questionable whether the government has understood the level of resources required and the action necessary to have an impact. Oil theft is facilitated by the people of the Niger delta because they do not have an alternative. Real and visible development is a pre-requisite for this to change, but it will take time, effort and huge resources. The resources available to those involved in oil theft are astronomical and must be met with an equal response, backed by political will.



Up the creek: in a canoe ferrying containers used to transport oil siphoned from pipelines. The Niger delta is now a much sought-after posting in the military

Reuters

We need to look beyond our borders for help that can make a difference. The recipients of the stolen oil are refineries in eastern Europe, Africa, Asia and perhaps even the US. The money used to finance the largest transactions moves from bank to bank in these regions. This money can, and should, be tracked. The mechanisms exist already through antiterrorism and money laundering legislation. If we can make it more difficult for oil theft to be financed, we can begin to make progress towards a long-term solution.

The scale of the theft means that large ships are used to transport stolen oil to the refineries that process it overseas. International governments own and control the satellite tracking technology that can provide the evidence to prove complicity. They should provide the

government and international security organisations with access to this tool.

The end user of the fuel that is refined is often the western consumer who, while struggling with austerity, is also conscious of the origin of the products that he or she buys. We must raise awareness of the scale and consequences of oil theft and seek to turn the discerning consumer into an ally.

In my village in Abonnenma, the social and environmental impact of oil theft is obvious and immediate. The constant

sheen of oil on the surface of the river, the boats lined up on its shores that have been "arrested" by the taskforce for being outside their "approved window of

Satellite tracking technology could provide evidence to prove complicity

operation" and the distressing lack of girls over the age of 14 in secondary education because they are pregnant with the babies of soldiers are just some of the ways

in which this trade has an impact on our society and environment.

The lack of development in the delta, the impact of the oil industry on the environment and the social decay associated with poverty and conflicts have been debated for years. What is less clear to international audiences is the fact that oil theft sits at the centre of these problems. The social impact on young men offered immediate riches over education is obvious. The riches are offered by militant groups. The environmental damage in the delta is known

worldwide, but cleaning up the region today is pointless without a policy to end the theft that contributes significantly to the damage done. What is cleaned up today will be spilled again tomorrow.

If you are able to tackle holistically the issue and demonstrate the political will and desire for a long-term solution, then a campaign that seeks to end the illegal trade of oil, combined with a genuine programme of development, can provide the foundation for a solution that has a chance of working. Tracking the money and the ships are

just the first weapons we have in our armoury, we must work together to develop others while ensuring that our ultimate goal, development, is achieved.

We need the rest of the world to provide the support, pressure and the targeted solutions that are needed. We have to stop the theft.

*Patrick Dele Cole is a businessman and politician from Rivers State. He was a founding member of the ruling PDP party and a special adviser to President Olusegun Obasanjo between 1999 and 2001.*

# Vested interests have too much to lose

## Bunkering

William Wallis looks at theft that costs billions in lost revenues

The buccaneering spirit that characterised the early days of the Niger delta's interaction with global commerce has returned with a vengeance. Towns such as Abonnenma – founded in the late 19th century on a river island by a string of warlord chiefs whose wealth originated in the slave and later palm oil trade – are at the heart of a thriving trade in stolen oil that is costing the state and multinational companies billions of dollars in lost revenues.

According to Ngozi Okonjo-Iweala, the finance minister in charge of economic policy, oil theft led to a 17 per cent fall in official sales in April, or about 400,000 b/d. That is a quantity entering world markets illegally that is greater than official production in all but two sub-Saharan African producers, Angola and Sudan.

At the April average world price of \$121 per barrel, this implies a loss of \$1.2bn a month. Ms Okonjo-Iweala says that, together, theft from pipelines and wellheads and fraud in the allocation of a controversial fuel subsidy may have cost the state \$14bn in 2011.

Because of its illegal nature, there are no consistent estimates for the scale of "bunkering" – a term used elsewhere to refer to the supply of anchored ships, which in Nigeria has been corrupted to describe the trade in stolen oil. However, the finance ministry figures for April illustrate what oil companies, state agencies and inhabitants of the delta all say has been a surge over the past year.

In 2011, the state agency regulating pipelines recorded 4,468 pipeline break-ins compared with an average 1,746 between 2001 and 2010. Inhabitants of Abonnenma, just one town where bunkering is thriving, say that a growing number of people are impli-

cated in one way or another. "Every family has someone involved," says one young businessman with peers in the trade.

Deploying the navy and army, as President Goodluck Jonathan – like his predecessors – did, ended up complicating matters instead of helping. As oil prices have soared, the money has become too alluring. As volumes of oil sold through the bunkering network have risen, so too has the number of Nigerians with an interest in keeping it going.

Bunkering became big business during an uprising in the 2000s by militants demanding a greater share of revenues from oil. They

As the trade has grown, senior military and political figures are taking a big role

sometimes justified the theft – and do still, even after an amnesty has curbed associated violence – as a means of taking ownership of a resource from which the region has benefited little.

As the trade has grown, so it has infected all levels government, with senior military and political figures staking out a leading role in a pattern that mirrors the corrosive effects that the narcotics trade has had on Latin American states.



Ngozi Okonjo-Iweala: thefts led to fall in official oil sales

"They have been sponsoring local government chairmen. The chairmen have also been sponsoring governors. These people, if not checked, will one day produce the president of Nigeria," Austin Oniwon, the former managing director of the state oil company, NNPC said this year.

Nor is the state oil company itself entirely innocent. Bunkering comes in several forms. The first involves small canoes such as those found lined up on Abonnenma's shores. The gangs that crew them navigate the maze of rivers and creeks that make the delta so hard to police, puncturing pipelines and siphoning crude into small tanks. They sell this on to illegal refineries that have mushroomed across the delta to supply kerosene and diesel to the domestic market at half price. Or sell to larger coastal barges for export.

Where they can, these barges fill up directly from well heads and punctured pipelines.

They carry the crude to ocean-going tankers waiting to supply refineries at a discount as far afield as South Africa, Ukraine, China, India and the Rotterdam spot market, according to members of a taskforce set up by the president to recommend ways of curtailing fraud and theft in the energy sector.

There is a third form of "white-collar" bunkering. This involves tankers filled directly at export terminals, where metering systems are manipulated to conceal outflows.

All three forms of bunkering require collaboration between politicians, security forces and criminal gangs.

In the case of white-collar bunkering, oil company employees are almost certainly involved as well, according to consultants investigating the trade.

The president's taskforce is headed by Nuhu Ribadu, the no-nonsense former anti-corruption tsar who says he will deliver recommendations by next month. But as yet no effective measures have been taken to stem a trade eating into Nigeria's main revenue earner.



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## Nigeria Oil &amp; Gas

# Flawed bill will bring clarity to frustrated industry

## Legislation

### Xan Rice considers prospects for better transparency

Reforming Nigeria's notoriously opaque oil industry was never going to be easy. Few expected it to be quite so difficult. Nearly four years after it was first presented to parliament, the Petroleum Industry Bill (PIB), a wide-ranging piece of legislation intended to transform the sector radically, remains a work in progress. It has been rewritten so many times, and by so many people, that there are countless draft versions in circulation. Promises of its imminent passage come every few months, but have never been kept.

All the while, uncertainty over the proposed laws has put tens of billions of dollars of potential investment by oil companies on hold and prevented the government from being able to sell off new oil blocks or renew contracts.

But is there now a genuine push to get the PIB through? In January, President Goodluck Jonathan established a committee to fast-track the bill. A month later, Ngozi Okonjo-

Iweala, the respected finance minister, told the FT that the law would pass by the end of 2012 and that progress would be visible in "two to three months". Five months on and a fresh draft of the bill has indeed been presented to Mr Jonathan and approved by his cabinet. Last week it was presented to lawmakers for assent.

Some experts believe this could finally be the year when the law is passed. "I do think that this time the bill will go through, even if only because of fatigue over this issue," says Ronke Onadeko, an oil and gas consultant, in Lagos. "But the

Analysts say it appears as though the vested interests have significantly diluted the bill's original goals

real question is, are we going to get a 'good bill'?"

It is a concern widely echoed in the industry. The original idea behind the PIB was that it would bring the sector into line with global standards. The fiscal terms of oil and gas production, which are more generous to petroleum companies than in many other countries, were to be amended to net the govern-

ment more revenue. The state-owned Nigerian National Petroleum Corporation, whose dysfunction and lack of accountability is a serious drag on the sector, was to be overhauled, stripped of regulatory powers and turned into a commercial entity such as Brazil's Petrobras. The involvement of local companies in oil production and services would be promoted and environmental standards and enforcement tightened. Perhaps the most important reform was transparency – ensuring an end to the murky deals that allowed politicians to use oil wealth as a source of patronage for decades.

This was all extremely ambitious, especially considering the powerful vested interests – both in the government and the private sector – that profit hugely from the status quo. In addition, the multinationals, which have also reaped excellent returns despite the rot, have the resources to lobby hard against any changes that might affect their bottom line.

Analysts who have seen the latest version of the bill leaked in May say it appears as though the vested interests have significantly diluted the bill's original goals.

Rather than clipping the far-reaching powers of the petroleum minister, it gives her or him additional authority over all the oil and gas institutions.



NNPC headquarters: the dysfunction and lack of accountability at the state-owned company is a serious drag on the sector

Bloomberg

Some new reporting requirements will improve transparency. But provisions that would have forced the government to publish details of all its receipts from oil companies, including signature bonuses, as well as the volume of oil pumped, have been stripped away. Such lack of openness is one of the main reasons there is so much unchecked corruption in the sector, transparency campaigners say.

Changes to the NNPC, whose inability to fund its share of joint ventures with oil majors is

a big source of frustration, also fall short of industry expectations. The PIB calls for a new national oil company to be set up and listed on the stock exchange. Yet the existing NNPC will continue to operate and there is little detail of how its assets will be divided up.

The proposed tax and royalty regime for onshore production is more favourable to the oil companies than in previous drafts, and compared with current legislation, experts say. That is not to say that the multinationals are content with the

bill as it stands. There are strong grumblings about the deepwater provisions.

"The fiscals are a concern, but not the only one," says one executive at a western oil company. "As it stands, the bill is bad for businesses, and bad for Nigeria."

Even if Mr Jonathan does send the PIB to the upper and lower houses soon, the slow approval process for legislation in Nigeria means it will be several months at the least before it can be signed into law, according to Antony Goldman,

chief executive of PM Consulting in London. That means the breakthrough may come only in 2013. And that is assuming that lawmakers give their assent to the PIB, which is no guarantee given their tensions with the presidency, as well as the contents of the bill.

But whatever its flaws, Mr Goldman believes the benefits of having the legislation passed strongly outweigh the negatives. "What the industry needs now is a bill, and clarity – not necessarily the best bill in the world."

## CBO CAPITAL: A SAFE PAIR OF HANDS

The phrase "knowledge is power," first coined by English philosopher Sir Francis Bacon in 1597, is true more than ever for businessmen and women operating in the financial community and modern day Nigeria. To harness that power, CBO Capital offers impartial advice to both local and foreign investors in the Oil and Gas, Real Estate, Power, Infrastructure and Media. In a country notoriously tricky to navigate, even for those with strong local knowledge, CBO Capital offers deep and competent insight and an international perspective to help finance business growth and manage risk. It is what's known as a safe pair of hands.

Directors Chuka Mordi and Bekuochi 'Bex' Nwawudu bring significant experience in the finance and project development industry gained in Nigeria and the United Kingdom. Their fast-growing firm offers financial advice, project development and fund management. In 2011, CBO Capital raised over US\$115 million for its clients in equity finance, and assisted with access to over US\$200 million in debt finance. This year, the company is advising clients on over US\$1 billion worth of projects.

"Doing business is always difficult in Nigeria," said Mr Mordi, a UK educated banker, who spent his career in London, working on European and Far East Investment Management. "We felt that our international experience, and an operation driven by character and principles, would ultimately gain recognition and mandates."

Before starting CBO Capital Partners, with Mr Nwawudu, Mr Mordi's was Head of Infrastructure Financing at Lagos-based First City Monument Bank. A philosophy graduate from King's College, University of London, he was at SBC Warburgs, Societe General Asset Management and InterSec Research Corp, before moving to Nigeria.

"Because we are Nigerians and have international experience, we can offer a combination of local insight and technical ability in structuring Oil & Gas and Project Finance transactions," said Mr. Nwawudu. "We've been much more successful with private-sector driven deals than public sector work. This has defined our approach to almost exclusively focus on the private sector."

An Economics graduate of Cambridge University with an MBA from the London Business School, Mr. Nwawudu has 17 years of investment banking experience. Prior to founding CBO Capital, he was Head of Fixed Income, also at First City Monument Bank in Nigeria. Before returning to Nigeria, he was a senior manager at Daiwa Europe, SFU and an analyst/trader at ING Barings. "Nigeria can be difficult to sell, but it also provides us with great satisfaction when a transaction closes and we know that the economy will benefit."

The firm's financial advisory activities include debt and equity capital raising, mezzanine finance and other structures. The firm has funded investments in companies and projects, often in

collaboration with local HNW investors and international partners and this is being formalized through the acquisition of a local fund management company and launch of a suite of sector focused domestic funds – starting with their US\$100m Indigenous Oil and Gas Fund.

CBO Capital has chalked up a number of successes, including working for First Hydrocarbon Nigeria (FHN), a locally-owned oil and gas company, to raise a total of \$100 million in 2011 in equity and mezzanine financing to fund FHN's acquisition of Oil Mining Lease OML 26 in the oil-rich Niger Delta from Shell. Prior to that, the principals worked on raising \$50 million for Afren Plc an independent oil and gas company listed on the FTSE 250. It was the first Bond + warrants deal in Nigeria and helped Afren to accelerate the development its oil and gas assets and get to 'first oil'.

The company advised on and raised over \$5million for the leveraged buy-out of Business Day Media Ltd, publishers of the country's pre-eminent business newspaper. Other transactions include financing for an investment in Valucard (now Unified Payments) which is largest leading payments switching company in Nigeria and work (as the sole advisers) on the two independent gas to power transactions in Nigeria.

On the back of its recent success and market growth, CBO Capital expects in five years-time to be doing transactions 15-20 times bigger than today in Nigeria, and hopes to have a pan-African footprint. Messrs Mordi and Nwawudu say their vision is to build an enduring and profitable advisory and project development firm that will service and support African business growth.

For more information, please contact CBO Capital: [www.cbocapital.com](http://www.cbocapital.com)



'Bex' Nwawudu, CBO Capital Co-Director



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## Groups struggle with bewildering difficulties

### Multinationals

#### Guy Chazan reports on a range of problems

When the wave of violent unrest in the Niger delta finally began to ebb, foreign oil companies breathed a sigh of relief.

Then the pirates came. The majors' offshore installations – largely immune from attack during the delta insurgency – suddenly found themselves targeted. Thieves in speedboats began attacking supply vessels bringing material to platforms far off the coast.

"The navy is working very hard, but the coastline is enormous," says Ciro Antonio Pagano, head of ENI's Nigerian subsidiary. "It's a challenge to patrol all of it."

The attacks illustrate the bewildering difficulties foreign oil companies still face nearly three years after the government agreed with the Niger delta militants an amnesty that put an end to their long campaign of violence.

Things are a lot better than they were at the height of the insurgency when some were forced to suspend onshore operations altogether. As well as restarting abandoned facilities, they have been able to go back into the mangrove swamps and clean up past spills.

The amnesty "has been very helpful, allowing us to increase production and giving us the confidence to start up new projects," says Mutiu Sunmonu, Shell's Nigeria country chairman. "It's also helped us to clear up the backlog of maintenance and remediation work in the delta."

But as well as piracy, the kidnappings and sabotage have been replaced by a new scourge: oil theft. According to Shell, about 150,000 barrels a day of production is siphoned off by thieves. The country's finance minister has said that as much one-fifth of government revenue is lost to illegal "bunkering".

Oil executives say the government should be doing more to stop the practice. "[They] have to take extraordinary measures to patrol our waterways, make maritime security effective and enforce the rule of law," says Mr Sunmonu. "You have to come down heavily on the criminals, and cut off their export markets," he says. "But they also have to address the fundamental causes –

poverty and the lack of jobs."

To get a sense of the scale of the problems oil theft presents, consider the Nembe Creek Trunkline, known as NCTL.

It was commissioned in 2009 at a cost of \$1.1bn, replacing an older pipeline that had been repeatedly damaged by sabotage attacks, and came into service a year later. But last December it was shut down again after fresh leaks were discovered.

Thieves then took advantage of the pipeline's depressurised state to set to work, installing dozens of new bunkering points on the line.

Some of them were attached to lengths of pipe a few miles long so that as soon as the NCTL came back on stream, its entire flow of oil could be diverted into barges and tankers



controlled by the criminal gangs, or into illegal refineries. Some connections dispense with the pipeline altogether and are made directly on the wellhead, right where the crude oil is extracted.

That in turn caused disruptions at Shell's flowstations, the facilities where oil flowing from individual wells is partially treated and pumped into larger pipelines.

"When pressure falls, the flowstations 'trip' and we stop producing," says Rik Prager, Shell's oil spill response remediation manager. "So the cost of this is not just the oil that's stolen – it's the fact we have to stop producing to repair the pipelines."

The situation was so bad that, in May, Shell was compelled to declare *force majeure* on its cargoes of Bonny Light, the main grade of Niger delta crude, after NCTL was shut down for repairs, causing the deferment of 60,000 b/d of production.

ENI's Mr Pagano says that, with criminals drilling into pipelines on a routine basis, ENI has to shut them down for repairs every three days on average. He says about a quarter of ENI's output is lost to bunkering. "We're losing a lot of oil to third parties, and we don't even know who they are," he says.

Mr Prager says Shell is considering a whole battery of high-tech responses to

the problem, such as unmanned drones to patrol the delta and infrared cameras. It is planning to hire locals on surveillance contracts to monitor pipelines, and is testing a new detection system similar to a burglar alarm that is capable of identifying leaks and intruders.

"It's effectively a war we're fighting, so this technology is from the military," says Mr Prager.

It is no wonder that majors such as Shell are trying to divest some of their onshore blocks, and concentrate instead on Nigeria's offshore fields, which are immune to bunkering.

But here, too, dangers loom – and not just from pirates. Foreign oil companies are bracing themselves for the passage of the Petroleum Industry Bill (PIB), which some fear could have a chilling effect on the country's investment climate.

Western oil executives say one of the biggest problems is the funding shortfalls by the majority partner in their Nigerian joint ventures – the government. It sets the level of spending that it can afford, and the partners are not allowed to go beyond it. Yet many of Nigeria's oilfields are ageing: operators have to spend more just to keep still.

"It's a bottleneck," says one executive. "And we're not sure the PIB will resolve this problem."

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## Nigeria Oil &amp; Gas

## Pollution a threat to health in Ogoniland

## Environment

**Xan Rice** on the devastating findings of a UN report

**F**yneface Farah was attending secondary school in Ogoniland, in Nigeria's delta region, when he heard the explosion. A nearby oil well owned by Shell had suffered a massive blowout. Fire engulfed the surrounding farmland, and oil coated the trees and rooftops in the nearby village of Boobanabe. The entire community fled the area for several weeks until Shell was able to bring the situation under control, Mr Farah recalls.

But while the flames were extinguished, the environmental damage remained. Shell's promise to rehabilitate 13.2 hectares of land was not honoured, the local community says. Mr Farah and several other families that owned the land sued for compensation. In 1994 – 24 years after the blowout occurred, and five years after the start of legal proceedings – they won the case, and were awarded N4.6m (about \$210,000 at the official exchange rate).

Still, locals, including Mr Farah, now 65, maintain that the area was never properly cleaned up. This was confirmed last year in a landmark report that found both the soil and groundwater in Boobanabe were contaminated, and that "a detailed plan should be prepared for clean-up".

The report, commissioned by the government and authored by the UN Environment Programme (Unep), involved surveys at more than 200 locations. Unep said "pollution from over 50 years of oil operations has penetrated further and deeper than many may have supposed". Public health was seriously threatened in at least 10 communities because of the high levels of hydrocarbons in the drinking water. Air pollution was "all pervasive", while the impact on mangrove vegetation was "disastrous".

The authors of the report



Unhealthy mix: a man in the Ogoniland region tries to separate oil from water in a boat on the Bodo waterways. Pollution there has been attributed to Shell equipment failure AFF

acknowledged that artisanal refining – taking stolen oil and refining it with primitive methods – had been a contributing factor, especially in recent years. But the source of the pollution stretches back decades. Shell's Nigerian operation, which produces nearly 40 per cent of the country's oil, came in for particular criticism. The Shell Petroleum Development Company (SPDC) – a joint venture that includes the state-owned Nigerian National Petroleum Corporation, ENI and

Total, and of which Shell is the operating partner – produced oil in Ogoniland until 1993 when it withdrew because of violent opposition from local communities. Though production never restarted, the SPDC's Trans-Niger pipeline that crosses Ogoniland continued to operate.

Unep said the "control and maintenance of oilfield infrastructure in Ogoniland has been and remains inadequate", adding that the SPDC's own procedures had not been applied and that its remediation techniques

have "not proven to be effective" in numerous cases. Cleaning up Ogoniland, which represents less than 10 per cent of the country's oil producing area, could require "the world's most wide-ranging and long-term oil clean-up exercise ever undertaken".

Unep recommended that the government establish a "restoration authority" to oversee the clean-up. A \$1bn fund set up by the government and oil companies would cover the first five years of the programme. Among

Restoring the land could require 'the world's most wide-ranging and long-term oil clean-up exercise ever undertaken'

other suggestions were the establishment of specialist centres devoted to soil management and environmental restoration, and improved regulation and monitoring.

If this happened, it could go some way to repairing relations with communities in Ogoniland, and set an example for rehabilitation of other parts of the delta. This is crucial, since a failure to address environmental issues will only fuel further resentment and could lead to new insecurity. But nearly a year

after the report was published, local communities and activists complain that little has been done.

The government set up a task force to chart the way forward. Its report was apparently presented to President Goodluck Jonathan in May, but has not been made public. A senior official at the petroleum ministry says the government will announce an action plan soon.

One impediment to full remediation is the problem of contamination – both from pipeline leaks and artisanal refining – which Unep said must be brought to an end before a clean-up can commence. Even so, Legborsi Saro Payagbara, advocacy officer for the Movement for the Survival of the Ogoni People, a campaigning group, says the government should have done a lot more by now.

Last year, Shell said it welcomed the Unep report. While disputing some of the findings, the company said that its efforts at some sites had not been fully effective, and that it would check a sample of other locations. Since then it has been working with the state government to provide potable water to the affected communities and continued routine remediation efforts that predated the report. Jon Barnden, Shell's communication manager for west Africa, says six or seven sites in Ogoniland are being cleaned up at present.

In places such as Boobanabe there is still a lot of mistrust, however. Earlier this year, Shell employed a local contractor to clean up the site of the 1970 well blowout. It says the work was inspected by the environmental regulator and signed off as satisfactory. But on a visit to the site in June, patches of oil residue could be seen in the soil. In one spot, fresh crude was bubbling up. Mr Farah says the remediation work was not satisfactory and that independent experts should be called to verify what was done. "We still cannot plant anything there and the water table is contaminated," Mr Farah says. "There is still not enough action – that is the truth."

# WALTERSMITH:

## RESPONSIBLY DEVELOPING HYDROCARBON RESOURCES

**WALTERSMITH PETROMAN OIL LIMITED, one of the fastest growing players in the upstream sector of the Nigerian oil and gas business is destined to grow great.**

Led by a highly motivated team, Waltersmith is driven by its mission and vision statements; to responsibly develop hydrocarbon resources for the benefit of mankind and to become a world class integrated independent oil and gas company.

Waltersmith Petroman Oil Limited was incorporated in 1996 as a joint venture between Walter Smith and Associates Limited, a Nigerian company and Petroman Oil Limited, Calgary, Canada, to operate as an oil exploration and production company. However, Waltersmith Petroman Oil Limited became a wholly owned Nigerian company with the divestment of Petroman Oil Limited in 2001.

In 2003, Waltersmith participated in the Federal Government of Nigeria (FGN) Marginal Field Bid round and successfully won the Ibigwe Field in OML 16 which was originally operated through a joint venture by the SHELL/AGIP/

ELF/NNPC. The award was on a joint interest basis as follows: Waltersmith 70%, Morris Petroleum Limited 30%. Waltersmith was designated the Operator of the field.

Subsequently, Waltersmith executed a farm-out agreement with the Shell Petroleum Development Company and its partners and the Federal Government of Nigeria in 2004 to effectively takeover the field for development.

In June 2008, Waltersmith commenced production of crude export from the concession area. The field is currently producing from 6 wells, 5 of which were drilled after the take-over of the asset by Waltersmith.

### HISTORICAL OVERVIEW OF IBIGWE FIELD DEVELOPMENT

- Ibigwe Field is located in OML16 in Ohaji/Egbema LGA, Imo State, Nigeria.
- The field was previously operated by Shell/Agip/Elf/NNPC JV. It was discovered in 1965 and was produced from 1971 to 1989 by the JV.
- Two out of the three wells drilled by Shell in the field had a cumulative production of

0.4 MMBLs of crude oil before shut-in in 1989. The third well encountered a blowout during drilling and was abandoned.

- Current proven reserves is estimated at 24 MMSTBO and 120 Bscf of gas from the 'C', 'D' and 'F' reservoirs.
- In 2009, two additional wells were successfully drilled based on the integrated reservoir study conducted by Waltersmith.
- In 2012, the Company concluded a 4 well drilling campaign and the work over of an existing well to ramp up production.
- Also in 2012, the Company concluded the installation of a 15,000bopd flow station to increase processing capacity and completed the construction of a modern office and accommodation complex.
- Other facilities installed in the field include 3 compressors for gas lift, a 20,00 bbls crude oil storage tank and a lact unit.

Waltersmith's operations are grounded on best business practices, good corporate governance and strong commitment to social and environmental responsibilities for the benefit of humanity.

Waltersmith Petroman Oil Limited is giving back to society with the completion of community development projects in the host community, Ibigwe, by the construction of Awarra Civic Center, Ugama Town Hall and Umuehe Town hall in line with its social responsibility programme.

Waltersmith has awarded scholarships to 25 university and 60 secondary school students from all sections of the community including the presentation of comprehensive chemistry, Physics, Biology and Agricultural lab equipment and reagents to Awarra secondary school. Contract for construction of Awarra secondary school fence has been awarded and work will start soon. In addition, five solar powered borehole and water supply projects at advanced stages of construction.

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## Nigeria Oil &amp; Gas



A farewell to arms: weapons surrendered by former militants on display at a collection centre in Port Harcourt in 2009 Reuters

## Questions raised over the price of delta peace

### Amnesty

**Xan Rice finds problems that provoked militancy have not been addressed**

The Niger delta was on fire four years ago. Militants, driven by a sense of injustice and criminal tendencies, had succeeded in drastically cutting crude production by blowing up pipelines and kidnapping oil workers. From 2.5m barrels a day in 2005, output dropped as low as 800,000b/d on some days.

Nigeria had lost to Angola its crown as the continent's top producer.

Miabiye Kuromiema, president of the Ijaw Youth Council, a civil society movement representing the delta's largest ethnic group, wanted the trend to continue. "I hoped that production would go to zero, so the government could not pay its bills," he says. "We needed a wake-up call to the social and governance crisis."

That is why he rejected the idea of a blanket amnesty for the militants, as the government was proposing at the time. Many other activists agreed with him, though less for ideological reasons than the conclusion that it simply would not work. Foreign diplomats, whose offers of advice in setting up demobilisation programmes were politely ignored by the government, felt the same.

So when the late president Umaru Yar'Adua officially launched the amnesty programme in June 2009, expectations were low. But by that October more than 20,000 militants had handed in weapons and signed up. A year later a further 6,000 people were added to the list, taking the total to 26,358 – more than were ever actively involved in the militancy.

Though the scheme has been closed to new entrants for nearly two years, many thousands of people, including rebels who were afraid of being stigmatised at the time the offer was first made, are still clamouring to be part of it. The reason was the amnesty

offer was genuine – nobody was persecuted after handing in a gun – and also financially attractive. In return for signing a pledge of non-violence and attending a demobilisation camp, each would receive a monthly stipend of 65,000 naira (\$400). They were also promised education or training.

The programme quickly produced the desired result of ending hostilities. Attacks slowed and then stopped. Oil production has soared to about 2.5m b/d. More than 11,500 of the former militants have received education or courses in Nigeria or one of more than a dozen foreign countries. Lawrence Pelele, the head of reintegration at the Niger Delta Amnesty Programme, says the swift end to insecurity made it "one of the most successful DDR [disarmament, demobilisation and reintegration] efforts in Africa".

But it is still early days. Is the peace

'In the past they may have been troublemakers, but they are our brothers and it's our duty to help them'

sustainable? Mr Kuromiema is not convinced. He acknowledges the amnesty has "stabilised the region and created value", and that the training given to the former militants had "opened their eyes to a new world".

But he worries too few jobs are being created in the delta to ensure that the former rebels can be gainfully employed. He is also concerned the generous payments to ex-militants, which may continue to 2015, have created a dangerous precedent.

The monthly stipends are four times the minimum salary for local government workers. Some of the militant leaders who accepted the amnesty and have been awarded lucrative contracts around the oil sector have been eager to flaunt their new wealth, driving about in expensive cars. "All those people who never carried guns during the militancy: how do they feel now? That it's good to carry guns because then the government will

negotiate with you? The potential exists that those who are disenchanted will restart the violence," says Mr Kuromiema.

Many people in the delta still feel disgruntled. The underlying problems that provoked the rebellion have not been addressed: poverty, underdevelopment, corruption by the ruling elite, as well as decades of environmental damage caused by oil companies and, more recently and on a smaller scale, illegal oil refiners in the creeks of the delta.

What is more, activists say that some of the militant leaders did not give up all of their weapons. Old habits also die hard. The surge in large-scale oil theft, known as "bunkering", in recent years would not have been possible without the involvement of some of the former rebels who have swapped what they claimed was a political militancy for commercial militancy.

Yet it also true that many of the militants are genuinely trying to turn their lives around, with the help of people in government and in the private sector.

Ikioye Dogianga runs an engineering business in Port Harcourt and provides services to the likes of Shell and Eni. For the past eight months he has been teaching 40 former militants the theory and practice of welding, in the hope that they will be able to find jobs or set up their own workshops. Their attitude has impressed him.

"These guys are hard-working and are determined to get experience," he says. "In the past they may have been troublemakers, but they are our brothers and it's our duty to help them get back into normal society."

Okoma Akara, who has a wife and three children, is one of his best students. As a militant in Delta state, Mr Akara, 28, made money by kidnapping people and stealing oil, but also saw many of his friends die in clashes with the security forces.

"If it wasn't for the amnesty I don't know if I'd be alive today," Mr Akara says. "I am grateful, but I want more training so I can get a job with an oil company."

## Legislation 'set to be a game-changer'

Continued from Page 1

the gas sector and transform the NNPC from a discredited organisation open to abuse by politicians into a commercial entity with substantial independence from the government in power.

Mr Jonathan and his cabinet approved the PIB this month and sent it to lawmakers for assent, which is by no means guaranteed as previous versions have been rejected.

Diezani Alison-Madueke, the petroleum minister, says the legislation would make the industry "more competitive and accountable. It proposed revolutionary changes".

That remains to be seen. Experts who have seen the most recent version of the bill say it falls well short of its original aims, being weaker on transparency than campaigners had hoped, and low on detail about how exactly the NNPC will be unbundled –

a big concern for the multinationals that are its joint venture partners.

Even so, the law is being eagerly awaited. "From a business perspective, the new bill cannot come fast enough," says Mr Odubeko.

"Whether it's good or bad, at least people will know what they are dealing with and can do the financial modelling. I believe that it will be a game changer for Nigeria and that investment will flow because of the [attractive] nature of country's hydrocarbons."

The government needs such an outcome, since it relies on oil for 80 per cent of its revenues and finances are stretched.

Passage of the bill will clear the way for a new licensing round, which should attract strong interest from both the multinationals and the emerging Nigerian oil companies, netting the treasury billions of dollars.

There are other positive signs too.

The militancy in the delta that cut oil production in half in early 2009 has died down after more than 26,000 former rebels were granted amnesty and generous stipends.

The programme, in which Mr Jonathan has a significant stake given his role in the region and his role in setting it up, has made a



**President Goodluck Jonathan: scheme to reform militants**

significant difference to operating conditions for both companies in the delta.

Kidnapping still occurs, but it is less frequent and less violent than before.

Meanwhile, the instances of oil installations and pipelines being blown up has fallen dramatically.

The payments to ex-militants are not a long-term

solution. Training courses, which are being undertaken by thousands of former rebels, must translate into genuine employment opportunities, or some of them will surely return to the creeks and take up arms.

Job growth in the delta has been weak of late, but new investment and increased production could change that.

However, at the same time as the amnesty has reduced oil companies' headaches over the security of their personnel, they have suffered from a dramatic increase in oil theft.

Industrial-scale bunkering involving criminal gangs, some former militants and the security forces, costs the industry up to 400,000 b/d, close to a fifth of the country's production, according to the finance ministry.

There has been little sign to date that the government is serious about tackling the problem.

# The Future is Aiteo

**Aiteo, an international energy group headquartered in Lagos, Nigeria, provides the energy that drives human progress. Supplying oil and gas is one part of the equation. The other is through sound business practices and relationships that fuel success for our clients, employees and consumers.**

Founded in 1999, Aiteo's services span bulk storage, marketing and distribution of refined petroleum products, oilfield services, electricity generation and distribution, LPG bulk storage, exploration and production operations, refining, LNG and a retail distribution network for petroleum products.

### Electricity Generation and Distribution

Aiteo has structured its Power Generation and Electricity Distribution arm to take advantage of the opportunities in the on-going liberalization and privatization of the Nigerian electricity industry.

The pioneering SPIRIT of the early years has evolved into six core values: Safety, People, Integrity, Responsibility, Innovation and Teamwork. These values are part of Aiteo's culture, defining how we deliver efficient energy services to the world responsibly and ethically.

Our unwavering commitment to high ethical standards, operations integrity and the flawless execution of projects makes us a trusted partner and the company of choice for organizations seeking Nigerian suppliers of oil and gas.

Nigeria possesses vast natural gas resources and we're currently sourcing a suitable location in Eastern Nigeria to build a 250MW gas fired power plant to supply the national grid by 2016. We are also exploring renewable energy potential, particularly hydroelectric power. Under the privatization program, Aiteo is working on a bid for several electricity distribution regions after being shortlisted by the Nigerian Government.

### Exploration and Production Operations

We have partnered with reputable global E&P companies with technical capabilities to evaluate and appraise opportunities for investment. We welcome additional international partners to jointly develop assets in West Africa, Nigeria and the Gulf of Guinea.

### Bulk Petroleum Storage

Strategically located on-shore terminals in Lagos and Port Harcourt form the nucleus of our bulk petroleum storage and retail distribution network with combined capacity of more than 320 million liters.

### Refining

Despite being Africa's largest oil producer and exporter, Nigeria imports over 70 percent of its refined petroleum requirements. We plan to change this, starting with our most ambitious project yet: the development of a 100,000 barrels per day (bpd) greenfield refinery. While still in the conceptualization stage, our aim is to have a functioning facility by 2017.

Our world class 57,000 square meter storage terminal in Apapa, Lagos, is the largest privately owned storage facility in Sub-Saharan Africa. We are able to service 600 trucks a day at the rate of 8 minutes per truck. In Port Harcourt, we have the largest and most technically advanced storage facility outside Lagos, filling up to 300 trucks a day and with a jetty that can accommodate vessels of up to 30,000 metric tons.

### LNG

Nigeria's natural gas reserves are the largest in Africa, at 185 trillion cubic feet, but too much of it is currently being flared. To protect the environment and avoid this waste, the Nigerian government has introduced the Gas Masterplan.

### Petroleum Products Marketing and Distribution

We offer a broad range of products including Jet A1, Liquefied Petroleum Gas, Premium Motor Spirit (PMS), Dual Purpose Kerosene (DPK), Automotive Gasoline Oil (Diesel), Low/High Pour Fuel Oil, Naphtha, Base Oil and Bitumen.

We are in discussions with partners to jointly develop opportunities in all aspects of the midstream and downstream natural gas value chain including Gas-to-Power, Gas Gathering and Processing facilities, LPG production, Storage and distribution, Pipeline infrastructural network development, NGL processing, and transportation and logistics (including CNG solutions).

### Engineering and Oilfield Services

Through our subsidiary Sigmund Engineering, we provide engineering and oilfield services to oil majors and indigenous oil companies operating in the Niger Delta, and our goal is to become the local partner of choice.

### Retail Service Station Network

Aiteo owns and operates several gas stations, and we also supply independent retailers. Our goal is to develop a pan-Nigeria network of Aiteo-owned and franchised stations, following the acquisition of stations strategically in the eastern and northern regions. As this network expands, so will our road tanker fleet.

Our full range of oilfield services includes onshore and offshore fabrication and maintenance services, shoreline protection, and oilfield logistics. We are building a world class fabrication facility in Port Harcourt.



# IN A WORLD WITH ENERGY DEMAND RISING FAST



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With capabilities in energy exploration and production, upstream services, gas, both liquefied and natural, power, large-scale storage, and a fast-developing distribution network, we are the one partner you can depend on to power your way into the future.

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