

GeoWorld

NUMBER 32 - APRIL 2004

New International Training Centre Opened in Dundee, Scotland

“The Year of Living Dangerously”

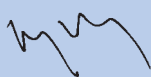
As the borrowed film title above suggests, 2004 promises to be a year full of opportunities but, as is often the case with opportunities, they can come with associated risks.

Geoservices should soon be able to move forward into a much more favourable situation if we successfully manage the conflicting constraints now facing us.

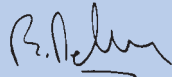
On the opportunities side: the new services we are providing (geonEXT, FLAIR, Field Surveillance...) have been very well received by clients and represent great potential for the future; we continue to hold a strong position in the market place and this is getting stronger every year with more than 10% annual growth for the last four years; our strategy of being selective in allocating resources between service lines is proving successful.

The risks, on the other hand, are that the €/\$ exchange rate will continue to be an important factor affecting our profitability, and the introduction of new services, which require a special effort in marketing and quality control, will lead to escalating costs.

The challenge therefore is to juggle the two sides; to seize the opportunities while minimising the risks, to establish a first-rate image for our new products and services, to increase our cost-effectiveness and to further improve our HSEQ standards, which already place us firmly in the best-in-class category.



Bruno Burban



Benoît Debray

Early in December 2003, our Human Resources Department opened Geoservices' new, state-of-the-art training facility in Dundee, Scotland.

Known as “GITAC” (Geoservices International Training and Assessment Centre), the new premises boast modern audiovisual equipment in all of its classrooms and workshops. The facility includes three shallow wells equipped with the most common completion equipment; slickline units; a complete well testing loop monitored through a well testing data acquisition unit; and a fully equipped mud logging unit. That's not all though, the facility also has slick line and coiled tubing simulators which are used for both training and assessment purposes.

This new training centre is the focal point for Geoservices' training operations worldwide, not only for Well Intervention and Field Surveillance, but also for Mud Logging and Well Testing. The comprehensive facilities and the general set up of the centre are beginning to attract clients seeking technical seminars as well as high level technical training, especially on the practical side. One of our objectives is to make our current and potential customers aware of the different solutions Geoservices can provide to match the complexity of their operational needs.



Eight different nationalities among nine people taking the Advanced Mud Logging Course in Dundee, clockwise from the foreground: Constantin Brikner, Aniruddha Sathe, Ion Niculae, Stephane Nwoko, Rasa Venslovaite, Simon Batchelor (ML Training Co-ordinator), Marco Perunovic, Darko Mrsa and Olesya Saukova (see satellite phone story on page 3).

Several courses have been organised since classes started on the 8th December, and their content has indicated the high level of quality and technology provided by the training centre. Courses so far have included:

- Petroleum Engineering, Data Engineering and Applied Reservoir Engineering
- Geoptimax and Geoptilite (Field Surveillance)
- Well Site Geologist seminar
- Advanced Mud Logging
- Well Completion and Gas Lift
- WinLog
- GWD (Gas-While-Drilling)

Everything is arranged for the trainees from the day of arrival to the day of departure. Transport to and from the hotel is laid on so that everyone arrives on time for the first lecture of the day. A well-furnished canteen offers lunch and a conversa-

New International Training Centre Opened in Dundee, Scotland

tion room is available for the occasional coffee break.

In order to achieve all this, the Training Department has relocated itself to Dundee, a famous Scottish university town. Hubert Janszen is the Training/CAS Manager, Benoit Gouzi is the Well Testing, Well Intervention and Field Surveillance training coordinator and Simon Batchelor is the Mud Logging and WSG services training coordinator. Undoubtedly, a winning team!

Over one hundred people have already been trained at this splendid and professional assessment centre, and who knows... maybe the next time it will be you!



At Geoservices' new Training Centre in Dundee, from left to right: Samantha Ryan, Clyde Mascarenhas and Allan Smith give their full attention to Erik Ottens, Training Instructor, as he explains the finer points of a wireline winch. Four different nationalities are represented in this photo; Australian, Indian, British and Dutch.

New Drive to Place Well Site Geologists



Grégoire Sterbecq (left), Well Site Geologist, being briefed by Daniel Chevrotin (Consultancy Coordinator) about his next assignment in Abu Dhabi.

Geoservices has been providing its clients with independent consultants for almost as long as its existence. In the past these have been: well site petroleum engineers; drilling engineers; drilling supervisors; production supervisors and, most often, well site geologists. This business is as cyclical as the price of oil, with consultants usually being the first target when operator's budgets start to tighten, so it has had its ups and downs over the years. We are currently banking on a continuing 'up' and this has led to the creation of a service within the Sales, Marketing & Development Department to promote well site geologists and other consultants. This service is managed by Daniel Chevrotin, who explains here what we are doing.

Daniel, what exactly is a well site geologist (WSG)?

This is a person who has acquired skills

and competences through many years of well site work worldwide, and who has also completed some specific training courses. Normally a graduate geologist at the outset, he or she will know about the different types of wells encountered, different geological formations worldwide, log interpretation, specific reporting software and will ensure that proper operational procedures are respected during a job.

Why don't clients use their own personnel?

Clients of course have their own personnel, but due to the fluctuation of drilling activities, it is often better for them to use consultants since they can simply redeploy them at the end of their operations. That is not the only reason though; most consultants have acquired extensive field experience worldwide, a solid knowledge in mud logging and gas interpretation, and so they are already highly trained compared to the client's young employees, who are the most likely ones to be sent to the well site! Being spread so far and wide, Geoservices has the added advantage of being able to provide local personnel in most areas, which cuts down on travel expenses.

What advice would you have for say, a mud logger, who wants to become a well site geologist?

First of all, to join the WSG team, you need to have a degree in geology. But

this is only the start; the person must have acquired broad field experience through his career as a mud logger and data engineer, both onshore and offshore, in different countries and with different clients. Our clients usually ask for at least five years' field experience. It is essential to be fluent in English and always a plus to speak languages such as French, Spanish and Italian as these languages cover many of our operating countries. On the rig, our WSG is in fact one of the client's representatives, and as such must be a good communicator, have a certain 'presence' and be able to manage contractors' personnel.

Is it possible to have a Geoservices consultant supervising a Geoservices site crew without a conflict of interest?

It is true that some clients are afraid that our WSG will side with our mud logging crew and cover up the rare problems that crop up, but I do not agree with this thinking. Our people are professionals and, if anything, they are more severe with a Geoservices crew than another contractor because they want to make sure that Geoservices does a good overall job.

Are you looking for people at the moment?

Indeed we are; any potential candidates who think they are up to the job, if necessary with some extra training, should contact me at head office:

Tel: +33 1 4814 3807 or e-mail chevrotin@geoservices.com.

North Sea



Recognising long service: Mike Newall, Operations Supervisor (right) receiving his 20-year award from Steve Davidge in Aberdeen.

A wave of interesting operations secured

The Transocean Leader rig will drill HPHT wells in sequence for Norske Shell, Norsk Hydro and Statoil. This makes a third geoNEXT contract for our District and will potentially include Pre Vue and getSMART. The latter may be another record if the 8" mass flow sensor can be installed; a first on a semisubmersible rig.

The Ocean Vanguard has also been contracted by Talisman for a HPHT well in the UK and this semi is also to be equipped with an 8" mass flow sensor to measure flow out. The Mærsk

Innovator is leaving Shell's Goldeneye project and moving to ConocoPhillips for a HPHT well in the Jade field. The client has already committed to Reserval™ in/out, demonstrating once again that Geoservices retains the leadership role in the field of technical excellence required for GWD. On top of this, Cuttings Flow Meter demand is rising in Norway under the joint project initiative concluded with Statoil recently. Finally a sequence of wells on the renamed drillship West Navigator has been secured. This commences with Statoil, who will drill two exploration wells, followed by Amerada Hess and Chevron Texaco, both West of Shetlands,

before the rig leaves the North Sea for Mauritania.

On the safety front, 2004 has started well for Observation Reporting in our District. In January and February we recognised Jim Howard's achievements in the SOC scheme so far, in which he has shown great conscientiousness towards safety reporting and has fully supported SOC since before its global release. Jim began to use 'Before & After' photographs attached to his submissions to help illustrate hazards - and more importantly clearly show the actions taken to reduce those hazards and raise overall standards.

South Latin America

getSMART with geoNEXT offshore Brazil

Our Mud Logging team in Brazil has just completed a challenging geoNEXT job for Wintershall on the Pride South Atlantic rig, drilling offshore Brazil. This was a first for the geoNEXT in Brazil and was made all the more challenging by the inclusion of the Cuttings Flow Meter, Pre Vue pore pressure evaluation, getSMART early kick detection and the gWEB real time infor-



Recognising SOC contribution: Jim Howard, Pre Vue Engineer (left) receiving a fizzy award from Ahmed Ibrahim, UK Country Manager, in recognition of his contribution to the SOC scheme.

Satellite Phone to the Rescue in Russia



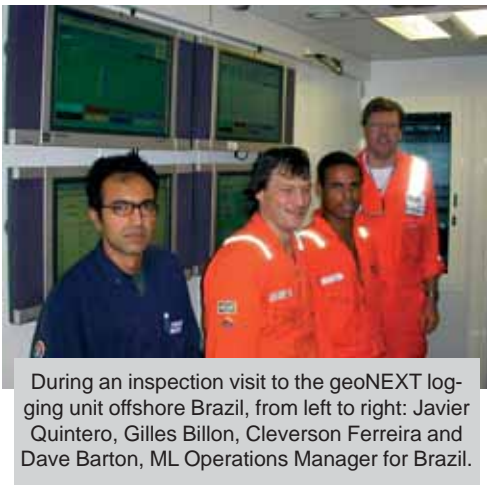
Saved by a satellite phone: Philipp Siratchkov and Olesya Saukova in the Geoservices unit at the Kharyaga oil field above the Arctic Circle in the far Russian north.

Anyone who has travelled to the Kharyaga oil field in northern Russia knows just how remote it is; the nearest town, Usinsk, is located some 200 km away. The road to the rig is long and dangerous but it has its compensations in the spectacular Arctic tundra scenery, which changes little between summer

and winter. "When I first came to Kharyaga"; said Philipp Siratchkov, a Geoservices Operator, "I didn't see any blocks of flats, only endless white snowy fields, short firs and big trucks, which sped past at high speed. If you have a problem on this road, you'd better be able to solve it yourself because you cannot rely on another vehicle coming past, and travellers usually try to reach their destination by sunset". This winter, Philipp was being driven to the rig with Olesya Saukova, a Geoservices Mud Logger, for a crew change when their car broke down due to the engine's diesel supply freezing! It was winter, -23 °C and, at 17h00, it was already dark. "Our regular mobile telephone wasn't able to connect in such a remote area";

says Philipp, "we then thought we could stop a passing car but none came, and we began to freeze!" Philipp and Olesya were alright though; the car they were travelling in was fitted with a satellite phone, which can connect from anywhere on the globe. The driver called Usinsk for assistance and another car came to the rescue, but the journey lasted 8 hours instead of the usual 3 ½.

This incident confirmed the need and value of 'local journey management', in particular departure-arrival records, effective communications systems and suitable survival equipment. All vehicles used for crew changes here in winter must have satellite phones and emergency essentials.



During an inspection visit to the geoNEXT logging unit offshore Brazil, from left to right: Javier Quintero, Gilles Billon, Cleveson Ferreira and Dave Barton, ML Operations Manager for Brazil.

mation service. The getSMART early kick detection system was the first such system to have operated offshore Brazil.

Credit is due to all the crew for their efforts to ensure a quality job: Lothar Botje - GeoNEXT Engineer; Sridhar Vignaraja (Raja) - GeoNEXT Engineer; Ivan Guerbartchouck, Gilles Billon, Alberto Suarez, Dolcey Arzuza and Javier Quintero - GeoNEXT Operators; André Martins - Mud Logging Geologist & CFM Specialist; Cleveson Ferreira and Helmut Pimentel - Mud Logging Geologists.

Operations will continue on the Pride South Atlantic for Encana, Devon and ChevronTexaco. Our Brazil team hopes to build on this success in the coming months with some strong potential for a second geoNEXT unit for a major international company.

North America

Back to Henry Road for administrative staff

After much preparation, Houston administrative personnel have moved from the office suite on Katy Freeway, in far west Houston, to the Henry Road logistics base near the Intercontinental Airport. Four base staff have been affected by the move. The new facility has been converted from the former staff house and restores the structure to the status it had when the property was acquired in the early 1980s. The move will help stream-

line our operations in the US, as well as freeing up space for our growing Sales, Marketing and Development staff in the USA.

Meanwhile, our logging units have been coming and going with increasing frequency both onshore and offshore Gulf of Mexico. While we have recently finished the second and third wells utilizing FLAIR services in the Gulf, two deepwater contracts, including Reserval™ services, are starting up more or less simultaneously. Onshore, a flurry of new, deep gas well drilling is under way across an arc stretching about 100 km (60 miles) north and west of Houston. We are well positioned



Enjoying the comforts of the refurbished Houston administrative offices are, left to right: Janie Faz, Trent LeDrew, Alec Robinson (visiting from Paris) and Lance Miller.

to pick up an increasing share of this activity, which requires a high level of service due to conditions of high temperature and pressure.

North-east Asia

Exploration growth offshore

We are seeing a big increase in exploration offshore in China and are pleased to report some good discoveries. The China National Offshore Oil Corp. (CNOOC) recently tested two appraisal wells successfully on the BZ 34-1 discovery in Bohai Bay using Geoservices DST services. We will be introducing our Production Logging services to the area very shortly and have our first BEST job lined up for April.

We organised an MQG-X Gauge training course recently in Tanguu and Patrick Loreal came from France to pro-



Attendees at the MQG-X training course in Tanguu in March: from left to right: ZUO Yi Ying, WANG Tao, LI Jian Liang, WEI Jian Fei, PENG Xu Yi, ZHUANG Ze Cheng, HE Shi Gui, ZHANG Zhong, Patrick LOREAL (Instructor) and LIU Guang Yu.

vide the training. All attendees were very happy with the course and passed the CAS test successfully.

Middle East

Going for 5 stars in 2004

Geoservices' commitment to HSEQ in the Middle East was again very much in evidence last year. In May, its offices in Dubai and Abu Dhabi were awarded 3-star certification by the British Safety Council. Later in the year, in December, the Dubai, Abu Dhabi and Baku offices were certified to ISO 9001:2000 standard by BVQI. This was only made possible by the dedication and commitment shown by all its employees. In its continuous march towards excellence the district is confident of achieving a 5-star rating by the British Safety Council later this year.



Present during the BVQI audit in Abu Dhabi were, from left to right: Antony Fernandes (Driver); Ramesh Sharma (Storeman); Alistair Gray (Abu Dhabi Base Manager); Shajahan (District Operations Manager); Santhosh Abraham (BVQI Auditor); Madhu Raman (District Technical Support); Tim Bartley (CAS Coordinator); Moin Khan (Technician); and Pradeep Benjamin (District HSEQ Coordinator)

NEW DEVELOPMENTS

New Shareholder for Geoservices

In December 2003, Geoservices' two main shareholders sold 5.5% of Geoservices' capital to SGAM/4D Global Energy Development Capital Fund. This invitation to a new shareholder to join Geoservices marks a new and exciting development for the company's financial profile, as this new partner is itself in the business of raising capital. We spoke to Jérôme Halbout who is one of the managers of the Fund and will represent it on Geoservices' Board of Directors.



Jérôme Halbout,
SGAM/4D fund manager

Welcome on board Jérôme! Could you tell us something about our new shareholder?

With pleasure... the SGAM/4D Fund was set up in 2003 at the initiative of its three managers, Simon Eyers, Tighe Noonan and myself. The idea for the Fund came from the observation the three of us made in our previous assignments as investment bankers serving the energy industry that medium-sized companies involved in the oil and gas value chain find it difficult to attract the capital necessary for their growth, even if they are competitive and well managed. In addition, we are convinced that many such companies are likely to be excellent investments in the medium term, and this became the message we conveyed to the shareholders of the Fund.

How many shareholders does the Fund have, and what is Société Générale's involvement?

Subscriptions to the fund closed in October 2003, with 81 million US Dollars coming from 15 shareholders. It was Société Générale Asset Management ("SGAM") that we approached to launch the fund and they are our sponsor today. It must be noted that SGAM is by law managed completely independently from its parent company, the Société Générale bank, and that the Fund is essentially managed by its three managers. The other shareholders in the SGAM/4D Fund are other institutions or private individuals in Europe, the United States and the Middle East. They

see in SGAM/4D a unique window of investment opportunity in the oil and gas industry, particularly in Europe. This has been confirmed subsequently by other investment funds which ask us to partner with them to look at opportunities in continental Europe.

How does SGAM/4D differ from other financial investors?

The SGAM/4D Fund invests in companies involved in the production of hydrocarbons, as well as their refining and marketing, and in service companies active throughout the oil and gas value chain. SGAM/4D's investment philosophy is to accompany companies who are already strong performers and are privately held, that is, not quoted on the stock exchange yet. Consequently, the SGAM/4D Fund does not invest in new company start-ups, as would a venture capital fund. For example, the Fund's first investment was in an Italian company founded in 1946, some twelve years before Geoservices. By nature non speculative, SGAM/4D avoids investing in companies that are driven by exploration or trading, or in activities where the company's success is too directly dependant on the price of oil or the investment cycle.

Geoservices' shareholders and their % holdings

Groupe Geofinance, France	59.7%
IFP-Investissements, France	33.9%
SGAM/4D Global Energy Development Capital Fund, Ireland	5.5%
Individuals	0.9%

How did you hear about Geoservices and what led the SGAM/4D Fund to invest in our company?

Geoservices is a company that enjoys an excellent reputation in the oil business, not only among its clients but also among its competitors and financial partners. So we were immediately interested when the IFP*, with whom we have had long-established relations, offered to introduce Geoservices and the Geofinance group to us. We discovered a company that has

consistently maintained a position in the forefront of its business segment, overcoming its difficulties in a proactive manner; we also discovered a development strategy geared towards independence from the investment cycles of your clients, and we found that very attractive. The determining factor in our eyes, however, has more to do with people: the quality of your management, who has a perfect understanding of the company and its markets and was able to draw on its experience to establish a realistic strategic vision; the Geoservices "spirit" that we immediately noticed, evoking simultaneously the company's competitive nature and your shared history, which in the past has known more difficult periods; and the other clear-thinking shareholders, with whom we quickly shared a common vision for Geoservices' future.

Now that you mention it, what is your vision for Geoservices and what are your ambitions for the company?

Our objective is to support Geoservices in its efforts to reach its objectives; we want to help you achieve your chosen strategy. The arrival of the SGAM/4D Fund, your first non-industrial shareholder, sends out a strong message about the quality of your company to the markets, to your competitors, to the banks and to all of your own personnel. We would like Geoservices to use us to help it realise its ambitions for growth in Opex-driven services and expand its geographical presence, both by strengthening its own financial position and by raising the necessary capital. SGAM/4D can contribute to future capital increases and actively support management in seeking new investors when this becomes necessary for this growth.

We are convinced that Geoservices has all the qualities necessary to be "best-in-class" in all its service lines, and SGAM/4D is delighted to be able to participate, alongside your other shareholders, in the various discussions and projects which will enable your company to achieve all of its goals.

* IFP - Institut Français du Pétrole (French Petroleum Institute)

NEW DEVELOPMENTS

Multiphase Flow Meter - Fresh Technology to Expand our Range of Services



The Geoservices Multiphase Flow Meter which is already expanding our range of Well Testing and Field Surveillance services.

When testing a well, the most important information to determine is the flow rate of each of the fluids produced; usually oil, gas and water. Conventional methods require prior separation of the fluid mixture into these three phases before their respective flows can be measured, and this means the mobilization of a large amount of equipment, including a well test separator. The advent of the Multiphase Flow Meter (MPFM), which can accurately measure the flow rates of oil, gas and water without separation, has meant that a lot of well testing can now be done in a much simpler way, and with much less voluminous equipment. It has also reduced the impact on the environment since the MPFM eliminates the need to flare gas. Geoservices' started offering this service in Nigeria in February 2003 and has since worked for three different clients there. In addition to extending our Well Testing service offer, the MPFM will be particularly useful for many Field Surveillance operations and there are already plans to introduce the tool to more districts in the near future.

Christophe Guignes, Geoservices MPFM specialist, has been running this service in Africa for more than a year now, so we asked him to tell us a bit about his experiences.

During one campaign in Nigeria (see box), the client wanted to see if there was any possibility of increasing production on three of their oil fields. They needed

to know the current flow rates so that they could re-characterize the reservoir and later choose which well would become an injector and which chokes should be increased or decreased. Since their oil fields are difficult to access and the installations are so old that some valves could not be operated, the MPFM was their only solution. On another occasion, a client wanted to determine the optimum choke size for wells on an offshore production platform. Space restrictions on the platform made the MPFM the obvious choice for the job and we performed several tests on three wells there with the minimum of disruption.

Some figures from one testing campaign in Nigeria

- Flow from 44 wells measured
- Oil flow range: from 213 to 2,165 sbopd (standard barrels oil per day)
- Gas flow range: from 0.873 to 20.265 MMscfd (million standard cubic feet per day)
- GOR (gas/oil ratio) from 754 to 55,981 scf/sbbl

Some clients who are not familiar with this technology ask us to do a comparison test first with a separator. We did this for two clients in Nigeria and each time the results matched well. The third client did not ask for this as they already knew the equipment and had confidence in the results.

The way the MPFM is connected to the well depends on the expected pressure, temperature and flow. It is important to



Truck-mounted well testing: the Multiphase Flow Meter (orange) mounted on one truck with a data unit on the other truck during a testing campaign in Nigeria.



Christophe Guignes (right) on site with pick-up driver 'Papy'.

try to reduce the proportion of gas in the fluid mixture as much as possible and this can be done by acting on the pressure; the proportion of gas reduces as the pressure increases. On one onshore campaign we used two trucks (see photo below), one with the MPFM and the other one with the lab unit, and we connected the system upstream between the flow head and the production choke. On another job, offshore, the MPFM was connected further downstream; after the flow head, the production choke, a desander and the choke manifold. Installation of the MPFM is usually very easy to perform. It takes just a few hours and you should be able to test one well per day. The tool itself is also easy to use. Only the calibrations are sometimes a bit complicated as we really need to have good "zeros" to perform perfect measurements.

As this is relatively new technology, many people are wondering how good it is. I would say that for the time being it is not going to replace a well test set on any exploration well, as knowledge of the well characteristics is very important for calibration of the tool. Apart from that, the MPFM can be used to analyze the effects of any modification on the injector pressure (for example) on a given reservoir... in an ideal situation, the MPFM would be put on a production site to give long-term analysis to the client, allowing him to improve his production using continuous real-time data. Thanks Christophe, keep up the good work!

S P O T L I G H T

ISO 14001 Environmental Certification Achieved in Argentina

We are pleased to report that Geoservices Argentina and the South Latin America District have been certified to ISO 14001 standard for their Environmental Management System.

This system was implemented for our Operations and Maintenance services in Las Heras, Argentina, in the beautiful and environmentally-sensitive area of Patagonia. Our services here cover oil wells and installations in an area spread over more than 1200 km². The audit was carried out on the 8th and 9th March and this was the first time our Environmental Management System had been certified by a third party, anywhere in the world. The result of the two-day audit revealed one minor Non Conformity but this was too insignificant to stop us being awarded ISO 14001 certification. During the exercise, the auditor, from IRAM (the Argentinian Normalisation Institute), visited 8 types of field operation that we provide as part of the Field Surveillance service for Repsol YPF.

The dedication and continuous support of Jose Fariña, Geoservices' Manager

for Argentina and the leadership of Raúl Jurado, the local Geoservices Manager in Las Heras, made this objective a reality. This is the first Geoservices base in the world to achieve this certification. *"We are proud of this achievement and we understand that it represents a permanent commitment, paving the way for other bases that are intending to apply the ISO 14001 standard in their activities in the future"*; said Omar González, HSEQ Manager for Latin America. *"We are also proud of the high level of enthusiasm and motivation of the team that participated in this process, not only the HSEQ team, complemented by Guillermo Moreira and Susana Tejedor, but also all the field supervisors that were involved in this project and were able to lead and motivate their team toward this objective. The auditor noticed this spirit during the audit, field visits and the interviews with our personnel."*



Juan Romero (left) and Leonardo Oyarzún from the production assistance team being observed changing the packing on a "Nodding Donkey" by, from right to left: Alfredo Valles (Supervisor), Sebastian Jelusic (IRAM Auditor), Tito Haro (Supervisor) and Pedro Yapura (Supervisor).

There is no doubt that this achievement will bring benefits in terms of the business relationship we have with our client REPSOL YPF, since they are also ISO 14001 certified and prefer service companies with this type of certification. It also makes Geoservices one of a select group of companies that have this certification, an aspect that is becoming more important for our clients when evaluating bids.

"With this achievement, our commitment and the focus of our future efforts is to maintain a dynamic, simple and efficient system to prove that our operations and activities can be developed in an environmentally-friendly manner. This is based on the principles we established when we decided to implement ISO 14001. We do not believe in certification that is maintained only on paper, instead we believe in the results and benefits of having a system that not only the client respects, but also the environment benefits from"; said Jose Fariña, who formally received the ISO certificate on behalf of Geoservices at a special ceremony organized by the IRAM on the 30th March, in Buenos Aires. Guillermo Moreira, our Environmental Coordinator also attended the ceremony.



At the Las Heras Base at the end of a successful audit; managers, supervisors and the HSEQ team, from right to left; standing: Jose Fariña (Country Manager), Raúl Jurado (Manager for Las Heras), Tito Haro (Supervisor), Rodolfo Carrizo (Supervisor, at the back), Eduardo Angulo (Safety Consultant), Omar González (HSEQ Manager LAM), Guillermo Moreira (Environmental Coordinator, at the back), Sebastian Jelusic (IRAM Auditor for ISO 14001), Pedro Yapura (Supervisor). In front: Susana Tejedor (Environmental Consultant), Alfredo Valles (Supervisor).

High Standards - throughout the company

At Geoservices, we strive to reach the highest levels in Health, Safety, Environmental awareness, Quality and personnel security. We are constantly checking to measure achievements and progress and how our clients perceive our standards.

Our objectives are set out in our policies, which were reissued in January this year. Our focus is to be proactive, knowing that prevention is far better than cure. HSEQ objectives for each District Manager have been defined to complement these policies and the general corporate objectives

*Have you seen these documents?
Do you know where you fit into this bigger picture?
More particularly, ARE YOU AWARE of your own specific, but important, contribution to this team effort?
If not, please contact your supervisor, or local HSEQ representative for more details.*

HSEQ Objectives for 2004

Primary elements for local implementation

Common high standards – applied in all services, bases and worksites and verified through: planned audit & inspection; reporting; and effective follow up of corrective action.

ISO 14001 – Maximise our commitment to environmental compliance in each district. Our objective is to: provide a data base of existing 14001 standard procedures, CAS elements and waste disposal plans.

Safety Observation Card

Extract the maximum amount of information from attitude / behaviour experience using the new SOC Register.

Security Management is vital for all of our personnel. It must be current to be effective - through updated base

As our highest safety award to date (the Sword of Honour for the North Sea District) demonstrates, the best standards are achievable. They set an objective to which every district must aspire – and many are close today.

Geoservices' ongoing expansion programme, through acquisition, has produced several unexpected challenges – such as “different categories and definitions of incidents”, but our global safety performance charts for 2003 illus-

trate the standards our clients require, as well as comparing Geoservices very favourable with the E & P Industry in general. There is still no room for complacency – as can be seen from the incident categories above (driving / manual handling / slips, trips) - but it is important to recognise achievement, and that overall performance in HSEQ standards have improved during 2003. Action for continual improvement includes clearer incident clarification and in depth COSHH evaluation.

data sheets; emergency / contingency plans; and a centralised focal point.

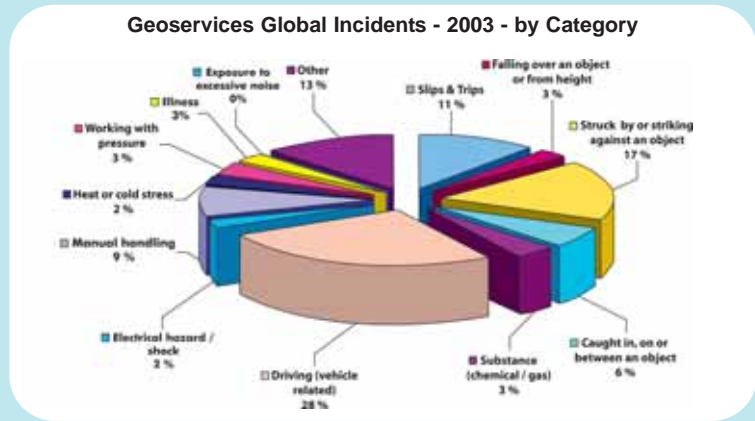
Increased publicity through **presentation** of our HSEQ commitment and success by all local Management to ensure that the full value of our investment is optimised.

Extend CAS to all services (including base staff) using input from all available sources for setting global standards.

Improve reporting of ideas to raise standards and the effectiveness of our management systems with standard reports, removal of obsolete documents and highlighting the importance of recording all data for continual improvement.

Establish District **Q Circles**, based on the current system that has proved effec-

Our 2003 Performance




trate the standards our clients require, as well as comparing Geoservices very favourable with the E & P Industry in general. There is still no room for complacency – as can be seen from the incident categories above (driving / manual handling / slips, trips) - but it is important to recognise achievement, and that overall performance in HSEQ standards have improved during 2003. Action for continual improvement includes clearer incident clarification and in depth COSHH evaluation.

tive in Head Office, to deal with local problems close to the workplace.

External / Client audit or evaluation as proof of our performance / services (e.g. BSC, BQVI or DNV).

Respect the “**process**” approach to our business activities as defined for: operations, service performance and resource management in your latest Quality manual.



The Geoservices Group newsletter
 Publication Director & Editor: Keith Ross
 Layout : Seven Orients
 7, rue Isaac Newton – 93150 Le Blanc-Mesnil – France
 Tel.: 33 (0) 1 48 14 83 83 - Fax: 33 (0) 1 48 14 85 85
 E-mail: mail@geoservices.com
 Website: http://www.geoservices.com