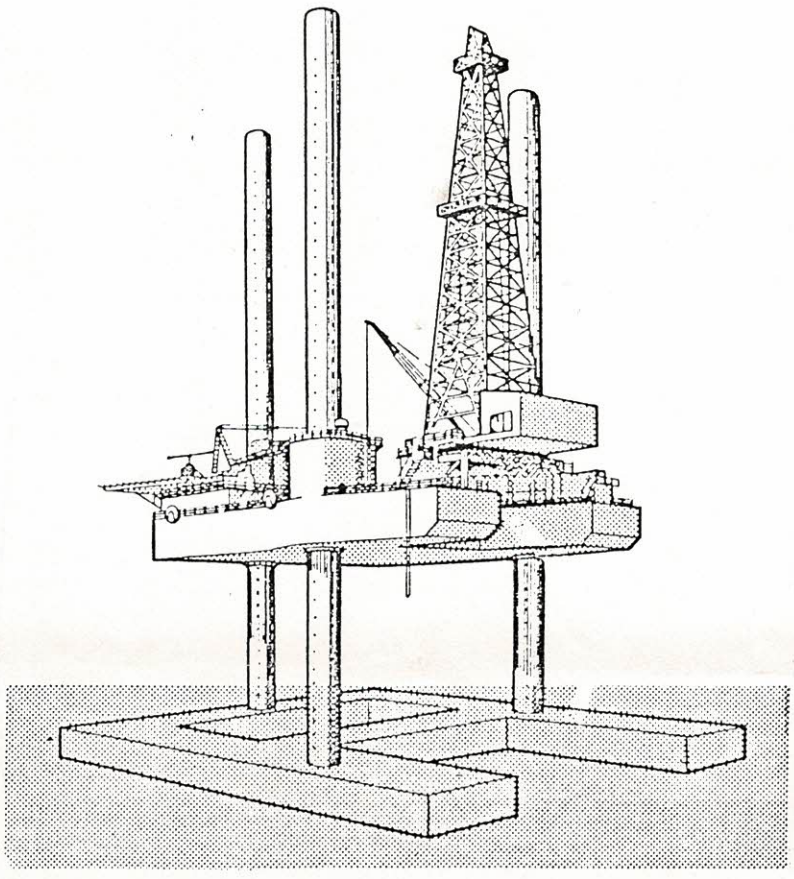
EXLOG®



NEWSLETTER SPRING 1987

FIELD NEWSLETTER (MAY 1987)

Since our last "Newsletter" issued several months ago (December), a number of significant events have taken place. Please therefore read the rest of this before you make your paper aeroplanes as some items could just concern you.

With the recent increase in work you may well have noticed that Exlog ran an advertisement in the Telegraph for both trainee and experienced logging geologists. This is indeed a sign of the times as far as activity is concerned and we all fervently hope that dayrates will follow! Before any new geologists were recruited Exlog approached all those ex-employees who were released during 1986 and indeed a number of these men are already with Exlog again. In the short term the great majority of rehires were made on a dayrate contract basis, however, along with the additional personnel currently being recruited Exlog also hope to offer the majority of existing dayrate employees a conversion to permanent staff.

THE GENERAL OUTLOOK

Activity in Europe, including UK and Norway, is relatively stable or slightly improving with main activity for Exlog (outside the UK and Norway) in Holland with Mobil and Petroland, in Denmark with Maersk, in Turkey with Arco and Wintershall, in Italy with Agip and in Spain with Chevron. There are additional prospects in Italy, Turkey and Spain. Africa and the Middle East which saw the greatest cut back in activity during 1986 also show some signs of an imminent recovery with confirmed additional work for Exlog in Gabon, Libya, Egypt, Sudan and Tunisia.

The consultancy division also took a severe cut back in operations last year. Competition is now fierce from the large number of "Independants" created by worldwide redundancies in oil and service companies. Exlog is better placed than most to take advantage of any firming up in activity in this area as experienced men can be broken out of logging crews as necessary. There are some signs of a recovery in demand for consultants but it will be a long, slow climb before an approach is made to previous levels of activity.

BAKER-HUGHES

Most of you are probably aware that the Baker-Hughes merger is now official and that we are now a part of Baker Hughes Incorporated. Apart from mud-motors mentioned later in the newsletter we do not anticipate the merger to have any immediate or direct effect on our business but overall being part of a larger, more diversified organisation will undoubtedly be beneficial to all and have a variety of 'spin-off' benefits.

OVERTIME PAYMENTS

We are pleased to announce that as from 1st January 1987, overtime will be paid for Work Bonuses exceeding 90 (ninety) in each six month period and not 120 as was previously the case. This change is in recognition of our ultimate goal to have equal time re-established, even though this may not actually be implemented on all contracts immediately. The main effect here is that those crews who are last to see equal time will at least receive the overtime pay in compensation. Such payment will be made at 1/30th of basic salary for each Work Bonus over 90 as described in the details which were issued in July 1986.

BONUSES

In Norway, the offshore work bonuses have been increased by £1.00/day from 1st April 1987. This increase will only apply to Exploration Logging North Sea employees working offshore Norway. The reason for this increase is the transfer of all the ELOI employees working in Norway onto the ELNS payroll. This will obviously affect those employees in respect of N.I. contributions hence the increase in the offshore bonus to partly offset this cost.

LINK LINE 0800 521707

EXLOG 1/6/87 ONWARDS

One of Exlog's high cost areas which we are attempting to control is the telephone bill. The very high number of reverse charge calls we receive boost this bill into many thousands of pounds. To reduce this, an 0800 line has been installed in Windsor which is effectively free to the caller and very much cheaper for Exlog. From 1st June Exlog DOES NOT WISH TO ACCEPT reverse charge calls and all calls to Karen, Jim, Ian and Geoff should be made on the 0800 number above. Please help us all by using this number A.S.A.P. Please note that the above number should **NOT** be divulged to non-Exlog personnel who could take advantage of the free call. eg contractors and clients of Exlog. This is for internal Exlog use only. If the Linkline is occupied and there is a **real emergency** to contact this office you should not hesitate to use the old procedure.

CONTACT WITH THE OFFICE

In addition to the new line there will be many times when you need to contact someone in a hurry and outside office hours. As you all know the ansaphone will give the number of the on-call manager and this should always be your first try for a genuine emergency. If you cannot contact the on-call manager for some reason either via his home number or the mobile phone then listed below are the home numbers of the on-call managers which can be used in the most dire emergency!

MOBILE PHONE	0860-336153
DAVE WALLIS	073529-3827 (Burghfield Common)
JIM GILLETT	0734-697156 (Reading)
STEVE PEMBURY	01-998-5181 (London)
MIKE COE	0635-298038 (Newbury)
DOUG WHYTE	0734-340600 (Twyford)
GEOFF CUTLER	0895-420078 (Hillingdon)
MIKE COLLINS	0990-24487 (Sunningdale)
IAN RYDING	0734-771096 (Wokingham) Engineering only.

PERSONAL PROPERTY

Please be very careful with your personal belongings on long rail journeys. Recently two field employees had their rig gear stolen from a train at Edinburgh. Try not to use the space available at the end of each carriage, as this opens temptation to theft.

This leads on to the matter of valuable items in general. Please keep valuables in your brief cases or close to your person when travelling, preferably leave them at home. Exlog will not reimburse you for replacing stolen belongings if you have not taken sufficient care of your property. Please read carefully Policies and Procedures document OPS-D-114. As a general statement, Exlog will consider cases of loss of personal effects only if they are a neccessary part of the job i.e. rig clothes, boots etc. It is Exlog's very strong

recommendation that other valuables of a luxury nature (cameras, Walkmans etc) be left at home. These items are not required for the job and will not be replaced by Exlog if damaged or stolen. Also, by way of a reminder, please note that there is a US$25 deductable on each claim. This has been stable for a number of years and is shortly to be increased to US$50. Claims should be made, not on the timesheet but as a separate claim to Mike Coe.

VACATION REQUESTS

If you wish to request a vacation outside your normal work schedule, please make sure your request in writing is approved before you actually finalise the booking. Normally your request would be approved so don't be afraid to ask. What really upsets the system is the last minute telephone call advising Exlog that a holiday has already been paid for, is next week and does not fit in with the existing schedule.

CHANGES IN REGIONAL STAFF

During the month of May Exlog plans to reopen the office in Port Gentil, Gabon and this will be managed by by Mick Hodgetts. Mick was recruited in Windsor in 1978 but has spent a considerable period recently in Canada as Operations Superintendant. We welcome Mick to the team over here and wish Alison and Mick well in Gabon.

SOFTWARE GROUP

The software group in Aberdeen has been working at full stretch with some excellent results, particularly with respect to PC compatible software, remote display terminals (IDT) and databases (XLBASE). Further information will be coming to you in the near future so that you can be fully updated on our new technology.

The group has also requested help from you through PSR's and any new ideas you perceive in this area. All PSR's will be replied to locally, ie from Aberdeen by either John Shields, Andy Sentance or Peter Morrison.

ATTENTION ALL BUDDING PROGRAMMERS!

We would like to get hold of some software which would allow better testing of our printers plotters, etc. Also required is a monitoring program which would work as a watch dog on equipment. Any efforts made by you Gemdas Whiz kids would be very much appreciated.

CONFIDENTIALITY

Just a brief reminder that all wells should be regarded as tight-hole status. In general this means keeping as many non-client personnel out of the unit as possible. The usual visits by mudmen, drillers etc. are acceptable as this is part of the information exchange but rubberneckers should be discouraged.

We recently had a situation where an MWD company working with our crew wished to add lithology and descriptions to their log. Our crew in their desire to be helpful assisted and the client then complained that they considered too much data was given to the MWD company. In such situations please ensure that the company wellsite geologist knows what is being passed over and approves the data.

ETON TRAVEL

Eton Travel have offered a discount on package holidays, flights etc for all office and field employees of Exlog. Thus if you are planning to take a vacation and you feel that Eton Travel may be able to offer you the good service they have provided us, you should initally contact Karen, who will inform you of the relevent person to contact.

Please be aware this is the only time Karen would be involved in your holiday arrangements. All payment for holidays, flights etc, would be made direct to Eton Travel. Exlog will not be responsible for any costs, flight delays, unfinished hotels etc.

FIELD TELEXES

It seems that recently we have received a growing number of telexes from rigs and locations in the field on a wide range of subjects. There is certainly no problem with this however when you are drafting a telex or fax please bear in mind the following points:-

1. Please head it up in the following general format:-

   TO: EXPLORATION LOGGING SERVICES LTD.
   ATTN:JIM GILLETT
   FROM:JOE BLOGGS ONBOARD SQUAREDRILL 5
   DATE:1ST MAY 1986
   SUBJ:CHANGES TO CREWCHANGE TIMING

   This format provides an unambiguous address. It may seem obvious but in the past we have received various "emergency" telexes and have not been able to tell where some have come from!

2. Review your text carefully. It is very easy to write a paragraph which is wonderfully clear to the author but totally ambiguous to the reader. DO NOT fall into the trap of using telex abbreviations which abbreviate to the point of obscurity. THS CN B MST CNFSNG. Better to spend another dollar and convey the message first time.

TIMESHEETS

First of all we want to apologise for the timesheet payment problems some of you have experienced recently. The incorrect payments that a few of you received (eg. Logging Bonus instead of Gemdas, no Unit Mgr Bonus) were mistakes that we will do our best to ensure do not happen again. You can all help to achieve this by doing the following:-

1) Use correct abbreviations in the Duty column, ie, LOG12 if you are a logger, GEM12 if you are a Gemdas Op. It may seem obvious but several people still do not do it.

2) Fasten receipts to the back of your timesheets and explain any expenses that are not backed up by receipt.(the latter will require a very convincing explanation!).

3) Get the timesheets in on time. We still receive timesheets 3-4 weeks into the month followed by a complaint that they haven't been paid!

On the general subject of timesheets things are certainly running more smoothly now as far as the new pay system is concerned but a few items are still causing problems. Please watch the following points:-

1) No combination of Bonuses, i.e. TRAV/LOG 12 is out, it is one or the other.

2) Amex slips are **NOT** receipts. You must submit the actual Hotel bill/train ticket/whatever if you want to be reimbursed.

AMERICAN EXPRESS CARDS

The recent change over from the totally personal Amex card to the corporate card has, in general, gone fairly smoothly. If there is anyone left who still has his old card please call Mike Coe direcly as these should all have been exchanged by now. If there is anybody in this position please make sure that you do not pay any more annual subscriptions as these cannot now be reimbursed.

COMMUNICATIONS WITH THE CLIENT

Good communications at the rigsite with the client are vital to the performance of our job and this sometimes takes skills we are not always comfortable with. Marketing our services means finding out the customers needs and coming up with the services that meet that need. This task that can be done both on a large scale from the office and also in fine detail (e.g. of how best a report or plot can match the need of the client) at the rig. We need to think of our role on the rig as not 'Mudloggers' but providers of information both to the Engineers and the Geologists. We touch on this at greater length further on.

A task we have neglected recently is visits by crew to the client geologists and engineers. When the senior crew members of a unit know the office based client staff personally a much better relationship can be developed. If the opportunity permits, say during a crewchange with a waiting period, the senior crew members should make every effort to visit the clients offices to discuss the service. Naturally a call to ensure the man is free is required.

As an example of the need for good communications, a recent event is worth explaining in detail. The client had some engineering problems during a cement job which cost rig time to correct. Some of their licence partners were unhappy with the increased cost and demanded a full report from the operator. To prepare a detailed account of what happened the Drilling Engineer assigned to write the report requested our printouts over the relevant time period. The next day we received a call to explain why at the critical moments our pump pressure had failed and no data was recorded. In reality, as the printout was from the circulation monitor, triggered by pump strokes, there was no data for the period when displacement occurred with the cement pumps, and no pressure data when circulating with a circulating head. A neatly annotated 6 channel MFE chart was a much more useful data source than the raw unannotated printout.

This type of situation occurs all the time and frequently for your own use you have better information than anyone else on the rig and can do a better job of ensuring it gets into the right hands. Whenever a major problem such as lost circulation or a kick occurs, write up a brief set of notes every fifteen minutes on a pad of paper, on gas, pit volumes, pressure and flow. Make sure the charts are neatly and fully annotated. Often when losing circulation, the only way to accurately gauge losses to the hole is with notes of each tanks level at intervals coupled with a knowledge of which tanks are being added to and which are on the hole. When the panic has died down, write up a few notes and discuss with the company man whether he wants them as your record of events for his reports and not to express opinions which are just supposition.

DLWD NEWS

After a period of low activity we have recently picked up two contracts in Norway. The first is a standalone job for Statoil on the new rig the West Vision and the second on the Treasure Scout for BP which will be integrated with GEMDAS services. With the change in Q.A. assembly procedures and introduction of some new components under Mike Meadows supervision in Bergen, we expect to make a big improvement in our performance record in the North Sea.

The first run on the West Vision this week was the first North Sea demonstration of our new Focussed Resistivity sensor. Believe it or not, it worked perfectly! The sensor has a much improved depth of investigation and better vertical resolution than our standard 16 inch short normal sensor and so gives a better response through thin shallow gas horizons. The tool also contained our new downhole firmware allowing downhole memory storage at 15 second intervals, compared with our transmission rate of 60 seconds, resulting in a more detailed log. We can also transmit full surveys in just two minutes and transmit gamma and resistivity values together with toolface when in steering mode. Development of our Electromagnetic Resistivity Sensor, for use in oil base muds, continues in Sacramento with prototype field testing to begin shortly and the first commercial tool planned for release early next year. DLWD activity in the U.S.A. has also improved recently with ten confirmed current contracts at the end of the last month, long may it last!

DMWD NEWS

Our new directional only MWD tool has been commercial in the USA for almost a year, recently averaging five contracts in the Gulf Coast and onshore. The ability to run in any standard monel drill collar, retrieving on a wireline and letting a new tool "godevil" or free fall back to bottom, make it a very versatile tool. This also means that it is never lost in hole should the BHA become stuck. The tool can be packed in a seven foot suitcase and be easily sent to the rig with the surface detector/decoder computer by chopper. Although we look forward to bringing this tool over to Europe towards the end of 1987, its current flow limitation of just over 700gpm will initially restrict it to 12 1/4" and small hole sections. Depth however is no problem and it recently gained the Gulf Coast depth record after sucessfully pulsing continuously down to 20025ft.

MUD MOTORS

Many of you may not be aware that our sister company, Baker Service Tools have been operating a range of positive displacement mud motors in the USA for many years. As of this month the mud motor division of BST has been transferred into Exlog making a significant addition to the range of downhole services available from Exlog. We currently have ten of these motors in Aberdeen on a trial basis to evaluate their performance in the North Sea. Briefly they are a low speed/high torque motor roughly equivalent to a navidrill Mach II but aimed principally for use with roller bits rather than PDC. The oil filled bearing sections both increase the life of the motor and allow a higher bit pressure drop to be accommodated. With the Baker Hughes merger it is possible that Exlog may also become responsible for the Hughes "Oncur" brand of motor.

Baker's acquisition of Oilwell Directional Drilling Company in Louisiana has resulted in the formation of a new Exlog subsidiary "Baker Directional Services" who offer a package of DMWD, directional drillers/equipment/expertise and now additionally, mud motors. Once DMWD is established over here it is hoped that we can develop our Downhole Services Division to provide a similar directional drilling package. Standby for further developments.

Dave Steve Kevin Ian Doug Jim Mike

TO ALL BAKER AND HUGHES EMPLOYEES 3rd APRIL 1987

Today our Companies have a new name; Baker Hughes Incorporated, a Company with revenues in excess of two billion dollars. The blending of these two fine traditions gives us the unique opportunity to participate in the creation of a totally new company. By using our combined resources - including people, technology and reputation - we have the ability to make this new Company an industry leader in virtually every market we serve. Our success will depend upon our ability to effectively and efficiently work together to rapidly achieve this common goal.

As most of you know, the Corporate Headquarters of Baker Hughes will be in Houston, Texas, close to our operating units' headquarters. More importantly, we will be close to a large segment of our oilfield customer community, who can look forward to the continuation of the fine reputation for quality products and services that characterize the operating units of both Baker and Hughes.

In considering the organisational structure of Baker Hughes Incorporated, it is apparent that the revenues of the Company break down into three major areas - drilling, completion and production, and mining. It is along these three major business areas that we will organise the Company. The President of Baker Hughes Drilling will be H.I. Bull, the President of Baker Hughes Oil Tools will be J.V. Staff and the President of Baker Hughes Mining will be J.F. Schaefer. In addition, all three officers of the business units will carry the title of Senior Vice President - Baker Hughes Incorporated. In consideration of their complex legal and operating structures, Hughes Services and its President J.A. Esteves and Vetco Gray and its President J.M. Tickwell will report directly to me. M.L. Lukens will be a Senior Vice President and Chief Financial Officer and P.A. Rice will be Vice President of Human Resources for the combined Company. Organization chart will show the complete divisional reporting structure. The various Hughes' divisional operations will be managed as follows: The Hughes Tool Company President will be J.A. Estanssaro, Centrilift President will be J.L. Cox; pending the outcome of negotiations with Grace Natural Resources, U.R. Weems, President of Hughes Drilling Fluids, will have a key senior position in the combined drilling Fluids Company. The Brown and McMurray product lines will be combined with Baker Hughes Oil Tools operations. Hughes Mining will be merged into Baker Hughes Mining operations. All remaining divisional operations of the combined company and their Presidents remain the same.

As the next few months pass, the consolidation savings we promised our stockholders will require the combination of several operations and/or geographic locations. It will be a process of determining the most efficient way to run our business in the current depressed state of our marketplace, while allowing for the growth that we all know is coming.

Both objectives are customer oriented. We will make every effort to select the best people and capital assets for our new company. My goal is to carry out this process in a fair and equitable manner as quickly as possible.

I have a personal objective to visit as many of our worldwide locations as possible in the coming months.

Once again, I ask your patience, understanding and your help in making Baker Hughes what we know it can be and I look forward to working with you to accomplish this goal.

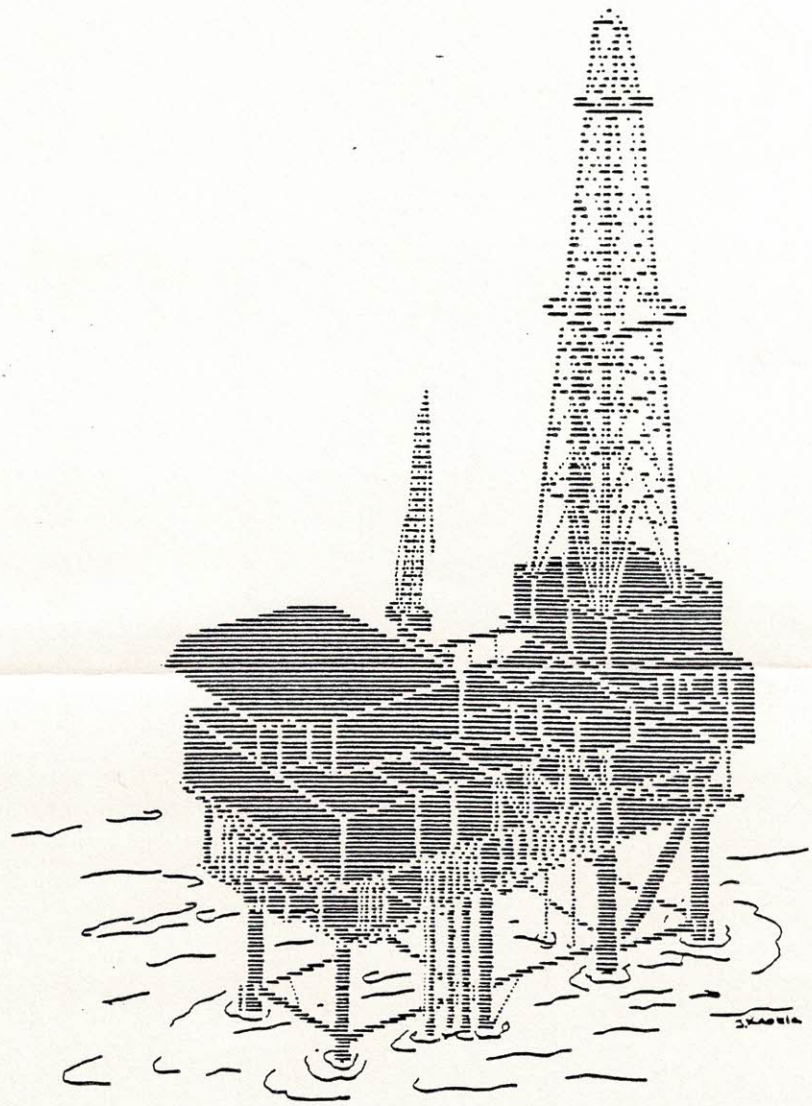
J.D. WOODS PRESIDENT AND CHIEF OPERATING OFFICER BAKER INTERNATIONAL.

EXLOG

EUROPE/AFRICA/MIDDLE EAST

NEWSLETTER

AUGUST 1987





JULY 1987 REGIONAL NEWSLETTER

Recent Staff Changes in Windsor

The Windsor office management of Dave Wallis - Senior Manager, Jim Gillett - Technical Manager and Personnel, Steve Pembury - Finance and Mike Coe - Administration have been supplemented with the recent arrival of much needed help in the form of Mr. Ralph Steen - Technical Superintendent. Ralph joined the Windsor staff on the 1st July after spending several years in the field. Initially he has been helping with schooling and recruitment and now will move across to help Jim predominantly with the important job of coordinating crew planning and overall technical support to ELOI's operations in Europe/Africa/Middle East.

With the upturn in activity there is a long term need in the whole region for further recruitment, training and career advancement through SPECS. This need will be handled by Mr. Martin Saunders making a welcome return to Exploration Logging on 1st August after a year away. He will be responsible for all aspects of in/out house training and recruitment for the whole region reporting to Jim Gillett in Windsor and Bob Fagg in Aberdeen. For those of you who have passed through the Windsor office in the last 3 or 4 months and have encountered John Vancura, he has returned to a senior consultancy field position with Shell and is going to be supervising one of their exploration programmes in East Africa commencing this Autumn.

Recent New Work

You all must be aware of the increases in activity that have been seen in nearly all parts of the region over this last two months (with the exceptions of the Arabian Gulf and some parts of East and North Africa.) To give you some guide as to the range of work, below is a list of jobs recently awarded:-

Europe/Africa/Middle East Area

A one well offshore Gemdas job for Phillips Denmark

A 5 month Gemdas job for Statoil Denmark

An Alfa and Rig Scan job for Dopas onshore Denmark. Two exploration wells for hydrocarbons and 1 well for leaching of a salt dome for gas storage.

Svenska Exploration Consortia onshore Sweden this autumn, two wells standard service.

Two Gemdas X contracts for BP Holland (1 onshore, 1 offshore)

Alfa services for Texaco, one well offshore Sicily

Petroci (State Oil Company of the Ivory Coast) 1 well Gemdas Services offshore

1 year's standard services for Shell Turkey

1 well standard services for Ardmore Turkey

1 well Gemdas X for Marathon Tunisia offshore

2 wells onshore South Africa, Gemdas Services

2 man wellsite team Conoco Congo

1 man wellsite geologist Amoco Tanzania

1 well Gemdas for Amoco onshore Sharjah

In addition to the above work, the activity level in the UK and Norwegian areas has also reached a peak. Below is a complete list of these contracts:-

UK Contracts

BP	Gemdas services	Treasure Seeker, Sedco 711, Sea Explorer
	Scan service	Onshore
Chevron	Scan service	Ninian North, Central & South platforms and consultant wellsite geologists starting in mid-August
Marathon	Gemdas service	Ocean Nomad
Occidental	Gemdas service	Piper and Claymore Platforms DF96 and Kingsnorth UK
Mobil	Gemdas service	High Seas Driller and Sedco 703
Conoco	Scan service	Two rigs onshore
Tenneco	Gemdas service with Data Com	Glomar Moray Firth
Union	Gemdas service and MWD	Western Pacesetter IV
Amoco	Scan service and Wellsite Geology	Dan Earl
Ranger	Gemdas service	Sedco 714
Arco	Gemdas service	Arch Rowan
Britoil	Scan service	Clyde platform
Shell	Wellsite Petroleum Engineer services	
Taylor Woodrow	Wellsite Geologist	onshore
British Gas	Wellsite Geologist	Rough development
Phillips	Geological duties in London office	

Norway Contracts

Statoil	Gemdas services	Ross Isle, Deep Sea Bergen, Dyvi Delta

	Wellsite Geologist	Gullfaks (A) Platform
Norsk Hydro	Gemdas service	Polar Pioneer
Saga	Geochemistry	Ross Rig
Conoco	Gemdas service	Treasure Hunter
Esso	Gemdas service	Vinni
Mobil	Gemdas service	Treasure Scout

In addition to the above there are tenders outstanding on half a dozen further contracts. It certainly looks as though the doldrums of 1986 are behind us and the problem (if we call it that) is now of too much work instead of too little. The recruitment plans mentioned above will be vital for this work and the effect should be to enable promotions at all levels. Recently the price of oil has pushed through the $20 mark and there are a number of optimistic indications that activity will remain at or near to current levels.

Consultancy

With the increase in rig activity and consequently in mud logging contracts, we have also seen an increase in consultancy work. This sign is very encouraging, for those of you who have been patiently waiting to return to your previous occupation as a Wellsite Geologist or Petroleum Engineer.

Timesheets

Concerning timesheets; we have a strict timetable within our offices of processing your expenses. We have to review and check all timesheets by the 10th of every month. That is, they must be in the hands of the accounting departments by then.

Any timesheets received after the appropriate date cannot be processed in time for payment at the end of that month. The reason for such a deadline is that a computerized payroll system is used in some areas and hence a cut off date has to be set, to ensure processing complete is before the end of the month. Therefore we ask you for your assistance in this matter so that you can be paid your expenses on time.

For all Aberdeen based personnel travelling by train, may we remind you to attach the appropriate rail warrant stubs to your timesheets. This will assist us in checking the invoices from British Rail.

Taxation (Eacott Worrall)

During the past six months we have heard a couple of complaints from the field that Eacott Worrall are not providing the service some people expect.

Typically there are only limited deductions applicable but it is critical for those using Eacott Worrall that all information is provided to them and in a timely manner. Additionally we would like to confirm that Mr. Bradley is available by appointment to discuss your personal situation and is prepared to carry out the interview in the Windsor office if you so desire.

Further if you have any queries or comments concerning this service please direct them to Steve Pembury.

An Update on our Geochemistry Department in Windsor

The department has been steadily increasing its client base over the last six to eight months. Provision of geochemical screening services for Chevron still continues as a major role for the laboratory. However other clients now providing regular work include NAM, KSEPL, Conoco and Arco.

The laboratory has also been working closely with Strategraphic Services International based in Guildford. This link has produced joint projects with both Sun Oil Sudan and Sun Oil China. Further work is expected from this association.

In association with Exlog/Brown & Ruth (based in Denver USA) the department has been able to offer to clients a more comprehensive range of conventional geochemical services. Vitrinite reflectance, bitumen and oil characterization through liquid chromatography and gas chromatography and oil and source rock correlation work have all been provided to clients during this year.

Recent improvement in the Pyran Scheme (pyrolysis/gas chromatography) has also contributed to any increase in commercial work for the instrument. The PTC (Programmed Temperature Chromatography) system is currently in the process of being upgraded. It is hoped that with Chevron's backing an increase in demand for this oil correlative instrument will occur. Paul D'Arcy has recently joined the laboratory and will be responsible for operating and developing Pyran and PTC.

Between August and September an expansion of the Windsor laboratory is planned. We hope to offer bitumen and oil characterization, enabling us to perform conventional source rock to oil and oil to oil correlation. Additional techniques will include soxhlet extraction, LC and GC of oils and saturated hydrocarbons and vitrinite reflectance. This will probably involve personnel additions to the department.

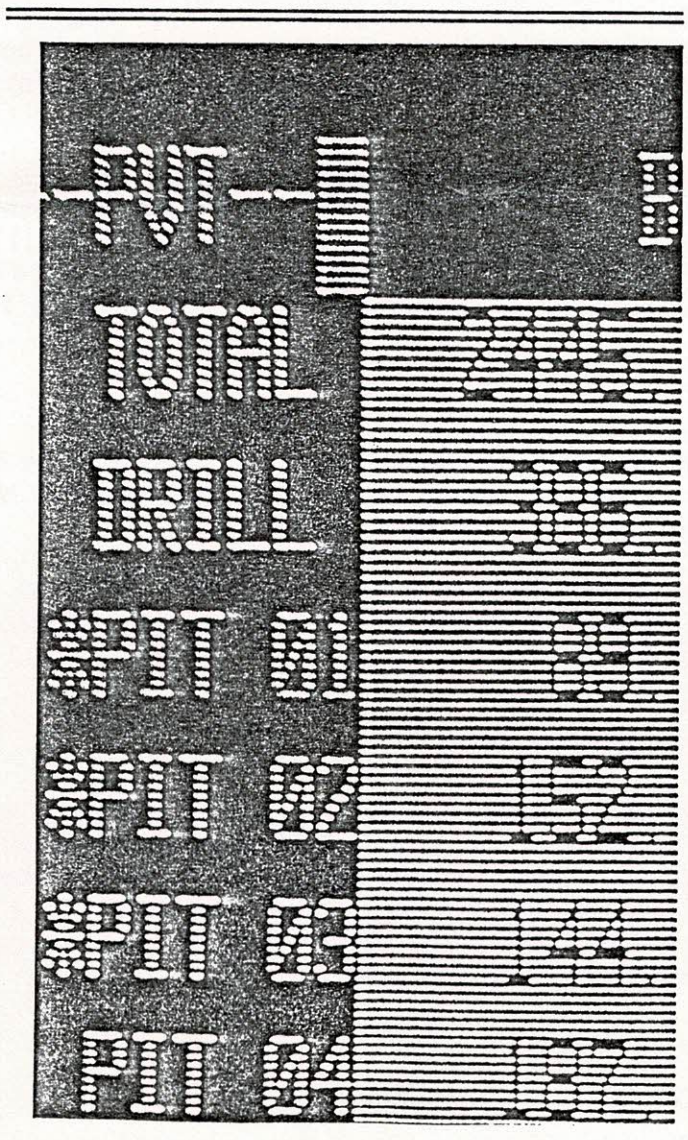
Mike Collins will be returning from Exlog/Brown & Ruth, Denver to resume his role as Geochemistry Manager. Doug Whyte will be taking responsibility for the laboratory expansion while Simon Reed will continue to be responsible for screening services and provision of wellsite advice. Mark Bagge from the Cairo geochemistry laboratory and Rick Harding from Exlog/Brown & Ruth should be joining the department in the next few months.

Should you have any questions concerning our geochemistry services please do not hesitate to call Mike or Doug or alternatively visit the laboratory if you are passing through.

Ralph. Dave Jim Doug.

EUROPE AFRICA MIDDLE EAST REGION

SEPTEMBER 1987 NEWSLETTER



SEPTEMBER 1987 REGIONAL NEWSLETTER

EXLOG CORPORATE MOVE TO HOUSTON

The following is a press release issued on 15 September, 1987 from Sacramento.

QUOTE

Exploration Logging, Inc. (Exlog), an oil service company and a subsidiary of Baker Hughes Incorporated, announces that it is relocating its worldwide headquarters, R. & D. and manufacturing facilities to Houston next year from Sacramento. Also, as part of this move, Totco, which was consolidated with Exlog in October 1986, will move its headquarters from Norman, Oklahoma to Houston. These moves will be effected at different stages during 1988 and it is the company's intention to offer relocation to many of its 112 employees currently headquartered in Sacramento. Field operational offices in Sacramento, Ventura, Healdsburg and Anchorage are not affected by this move and will remain in order to continue servicing the needs of the company's west coast clients.

Exlog, founded in Sacramento during 1952 and acquired by Baker International in 1972, is the worldwide leader in drilling data acquisition and mud logging services. It is also active in developing new technologies that increase drilling efficiency in the exploration and development of energy resources. Totco is a market leader in drilling instrumentation. The combined company has a total of 1,200 employees and is active in all major petroleum provinces worldwide.

The decision to relocate was brought about by the company's continuing commitment to the development of high technology services and the need to be closer to the mainstream of the oil industry. Exlog will play a leading role as the Baker Hughes drilling equipment group develops new integrated technologies involving other divisions currently located in Houston.

UNQUOTE

This relocation of our Sacramento based headquarters to Houston has long been anticipated and is considered to be a very positive move which will place Exlog more centrally in the "oil business sector".

However, it has obviously been a very difficult decision to make as ultimately not all of the corporate staff will be able to relocate, and their services will be sadly missed.

PERSONNEL ADMINISTRATIVE MATTERS

As a result of the recent upsurge in activity there may be new employees, rehired former employees, or even existing employees who have not completed certain formalities, these include personal insurance, banking, discounted car hire facilities, stock applications, American Express cards etc. Please read on carefully - if you need help please contact your nearest office. Here's a check list you might like to consider.

1. Insurance. Have you completed a large white enrollment card for medical and dental care when working on company business outside the UK and its territorial waters, which includes the British continental shelf?

2. Life insurance, Accidental death, Long Term disability, dismemberment and pension. Have you completed blue and a white small enrollment cards?

3. American Express. Do you have an Exlog Baker Corporate Amex card. You maybe entitled to one at company expense, especially all those travelling abroad.

4. We have hire car discount facilities with Avis, Hertz and Budget. You need only show the stickers to the hiree to effect major savings to Exlog. If you need stickers - write in.

5. Banking. Have you formally advised your employer of full bank details so that your salary can be made by bank transfer promptly?

6. Dependants. For those lucky ones who were employed throughout the downturn - have you got married since July 1st 1986? If so have you completed a change of beneficiary form etc. If not please take immediate action.

7. Do you have an employee benefits handbook produced by the Trustees which in greater details explain the various personal coverage provided by Exlog.

General Insurance

Whilst working for the Exlog group of companies you are fully covered by insurance in respect of most liabilities, although the cover is limited by gross negligence or the like by the employee. State legislation differs, such that it appears to favour certain employees at times. E.G. employees working offshore Norway have different life cover to those employed offshore UK, a fact over which Exlog has no control. Exlog attempts always to ensure that the cover provided is generous and homogeneous worldwide.

For What Are You Covered?

Medical and Dental

Employees who normally reside in the UK will always use the State Health Scheme or you may elect to purchase private health cover. Exlog does partake in a Group BUPA scheme which achieves a 25% premium reduction for each member but you pay your own premiums. If you wish to have more details please contact your local office. Whilst working outside the UK you are fully covered by the Worldwide Occidental Medical and Dental Care Insurance, arranged, at employers expense, though our parent company in Sacramento, USA. In Egypt and Norway special insurance arrangements have been made for the local nationals, again to meet local requirements.

Life Insurance

Without exception you are covered by life insurance equivalent to four times base annual salary from the day you join Exlog. There is only one exception to the rule - namely death caused to a mother delivering a baby, this being a standard exclusion in the insurance world.

Accidental Death

If death is caused by "impact" your estate will receive an additional sum equal to four times base annual salary. "Impact" is difficult to comprehensively define in this newsletter, but it includes, helicopter, car and aeroplane crashes causing death and items falling from rig derricks and explosions to instance a few obvious liabilities. Exclusions include the pursuit of dangerous sports, eg, hand-gliding, motor racing, games etc.

Dismemberment

In the event of an employee losing eyes, arms, legs etc. cash sums are paid according to the severity of the dismemberment.

Long Term Disability

Provides you with a sickness pension equal to approx. 2/3 of base salary to age 65 male/60 women thence you receive a company pension. There are many procedures to be fulfilled before a long term disability is paid, but any genuinely long term ill employee should have no doubt about the effectiveness of this insurance.

Pension

The current arrangement the Trustee and Exlog has with its insurers is that to provide Life, Accidental Death, Dismemberment and Long Term disability insurance, all employees will partake in the Group Pension Plan. Exlog has always been anxious to provide good employee benefits for it recognises that protection and provision for the future for you and your families is most important. Some of you may be aware that new legislation is prepared for 1988 wherein it will be compulsory for UK companies, who already have a Group Pension Scheme such as Exlog's, to offer its employees the option to opt out of the scheme and take up a Personal Portable Pension. The Trustees are reviewing the matter and will provide its members later this year with full information to enable you to review matters comprehensively.

Employers Liability Insurance or Equivalent

Exlog obtains any statutorily required employers liability insurance. Certificates confirming the validity of the insurance are displayed in offices and laboratories where applicable.

Public Liability Insurance

Baker Hughes Inc provide all requisite insurance to meet state needs and provide same even when not required statutorily through their worldwide insurance policies.

Workers Compensation IE NONE

Provided to meet state legislation as applicable.

In recent months we have heard that some employees have a concern that there are certain personal insurance risks exposures. If, having read the above, you still have any concern please feel free to contact us and your questions will be answered as quickly as possible.

Baker Code of Conduct

We are taking the liberty of attaching a copy of the Baker Code of Conduct and in doing so ask you to read it carefully.

Health and Safety

We are asked to remind all employees that to lift heavy weights by yourself can be seriously injurious to you. If you are in a situation which requires accessing difficult areas with awkward items or lifting heavy items always get the help of a fellow Exlog employee or third party. Sometimes this is not easy, but it is better to wait for help than injure yourself and therefore incur loss of personal income due to absenteeism.

AIDS

AIDS has certainly been a common topic of conversation over the past few months.

If you would like to learn more about this disease please contact the Windsor or Aberdeen offices who have copies of two reports/booklets on the subject.

1. The US Surgeon Generals Report on Acquired Immune Deficiency Syndrome, and

2. "AIDS and Employment" published by the UK Department of Employment and the Health & Safety Executive.

UNIT DIARIES

There is happily an upsurge in work in this region, with it comes pressure on individuals and at times this can become anger, anguish or frustration. It is therefore very timely that on instruction from our attorney we remind all field personnel of the importance of the unit diary.

The professional service E.L. offers to its clients worldwide is the best possible, however, the use of the unit diary quite often leaves much to be desired. Improvements can, and should be, made on a sustained basis.

The unit diary is specifically there to record factual data relating to work, be it equipment problems, instructions from key rig personnel, crew change data, sickness or injury reports, engneer visits etc. Employees are reminded to refrain from writing irrelevancies, opinions and emotions in the diary since such entries could be very damaging to E.L. and the individual in a case of litigation.

The diary is not a priviledged document and, in the event of litigation, a court could call on the diary as evidence. Production of an average E.L. diary could be highly prejudicial to E.L. and its employees. By way of illustrating how this is possible our attorney cites two examples, which are paraphrased only slightly.

QUOTE

1. There may be indications within a Diary that Exlog's equipment is defective or that the competence of certain personnel leaves much to be desired or that the Exlog's management and the management's instructions are defective. I am sure I need not tell you that the production of a Diary containing such statements would be highly prejudicial to Exlog in any action alleging negligence in the conduct of a logging function.

2. Many of the comments in a Diary can best be described as school boy humour. School boy humour is fine in school, but in a more demanding environment, may be regarded as showing a lack of professionalism, maturity or application. You may recall that a few years ago, an investigation into an air crash in West London, (I think it was a Trident which crashed) commented that the schoolboy humour recorded on the cockpit voice recorder suggested that the aircrew were immature and not applying themselves to their task professionally. I believe that similar concerns have been expressed regarding the desirability of publishing the recording of the last minutes of the Challenger which crashed shortly after take-off with loss of life. If there were to be an investigation or litigation concerning an oil field disaster where there is any suggestion that an Exlog employee should have given warning of an imminent disaster, the production of the Diary showing an obsession on the part of the employees with trivial humorous incidents might lead to adverse conclusions regarding the qualification and dedication of employees.

END QUOTE

We suggest unit managers review the current diaries to ensure standards of entry are satisfactory, and if not take steps to improve matters by discussing it with crew members. We recommend that the diary cover clearly shows that the diary is Exlog property and remind users to ensure entries are related to professional work matters only.

CHANGES IN THE WINDSOR OFFICE

It has been agreed that there will be some significant expansion in the next couple of months in Windsor's Geochemistry department. This will involve the addition of extra services that can be supplied to clients to give a fuller range of analyses and it is hoped, attract more activity. The Geochemistry department will, in due course, be giving you explanations of this via a newsletter.

This expansion created unacceptable pressure on the limited facilities in Exlog Windsor and as a result, Exploraton Logging (Services) acquired a short-term lease on the top floor offices of the next building on the right (Diamond Boart's facility). Located in this new area is Dave Wallis, Senior Manager and his secretary, Jim Gillett,Karen Rassell and Ralph Steen overseeing personnel and market co-ordination, and Martin Saunders for training and recruitment. There will also be a spare room for field geologists to be able to take SPECS tests etc. and a training room such that we can give in-house courses without the need for a hotel room. Naturally we all feel that this is a very positive move and hope that this sign of expansion for geochemistry is a sign of the times to come.

MWD

It is apparent that many people working in areas where MWD Services are not common, know very little about what MWD Services are available (from Exlog or our competitors). In the next newsletters we will try to change that and provide an overview of what Exlog currently provides and further developments, plus a review of our competitor systems.

TRAINING DEPARTMENT

As from 1st August 1987 Martin Saunders returned to the company to be responsible for training and recruitment of field geologists within the Europe/Africa/Middle East Region.

Martin's initial primary tasks were concerned with the recruitment of new trainees which included a significant number of 1987 graduates.

To date three Oilfield Familiarisation schools have been completed, adding 55 personnel to the pool. This figure includes 4 Italians, 3 Norwegians and 1 Spaniard.

Recruitment of new graduates is set to continue and future Off Schools will be planned on an as-needed basis. To assist with 1988 recruitment a limited Milk Round programme has been arranged during which we will re-establish our previously close links with Careers Services and Faculties of Universities and Polytechnics.

Having almost completed this first phase of recruitment a good deal of effort will now be directed towards appraisal and career development programmes. This will revolve around the SPECS examination system and the re-introduction of Advanced Training Schools.

We will, very shortly be evaluating every employee's SPECS level including those of you who have joined us with previous logging experience from other companies. Please contact Martin should you require any clarification of this system.

If you are interested in attending advanced training schools please contact either Martin or Wendy Frewin and your local supervisor. Wendy has recently joined Exlog combining secretarial duties for both training and Geochemistry. We will then be in a position to select attendees from those employees available at the time.

The following Pressure Schools have been provisionally arranged, and will be held in the Training Room at the Windsor office premises. Dates of E-log schools will be announced shortly.

Pressure Schools : 12-15 October 1987
14-17 December 1987.

Those of you wishing to take SPECS tests should also contact Wendy or Martin in Windsor or Al Macdonald in Aberdeen such that suitable arrangements can be made. Ideally, these should be combined with crew changes wherever possible.

PROMOTION OF KAREN RASSELL

As part of the strengthening of personnel administration during the current gradual return to normality, it is very pleasant to announce the promotion of Karen Rassell from Senior Secretary to Personnel Specialist.

The "Specialist" grades in Exlog are those positions in various departments which require a particular ability, and more importantly, a greater responsibility.

Karen has been with Exlog since 1979 and is well known to old timers and newer personnel alike. We feel that with her promotion and with the introduction of Ralph Steen whose appointment was announced in the last newsletter, the support team in Windsor will be greatly improved. Karen works directly for Jim Gillett and in addition to organising travel details will also be the first contact for all day to day scheduling and other related administration.

ELOS 3 PSR'S

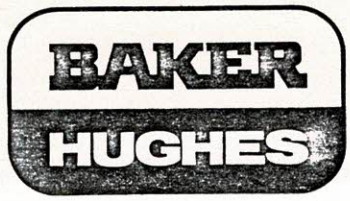
ELOS 3 has now been in the field for 2 years and in general release in its 'Final' form for just over 9 months.

In all that time very few PSR's have found their way to the Aberdeen office. This we believe is partly due to lack of acknowledgement of work from us. However it is now the policy of this regions computer science department to personally acknowledge all work submitted from the field whether it is destined for better things or to be put away in a filing cabinet. So let's see a few more useful programs and/or software suggestions!

We would like to add that the work that has been received as of late has been of a very high standard. Please send comments etc. to Peter Morrison in Aberdeen or Al Doyle in Windsor.

PERSONNEL MOVES

It is with regret that we advise that Mike Collins and Morris Rees have recently left Exlog to pursue other endeavours. We however take this opportunity to thank them both for their very valuable contributions to Exlog and wish them every success in the future.



CODE OF ETHICAL CONDUCT

It is the policy of Baker Hughes Incorporated to comply with the letter and spirit of the laws of the United States and any countries in which it does business. Over and above that requirement, it is the policy of the Company to conduct its business in conformity with the highest ethical standards. Each of us is responsible for making a serious effort to comply with this policy.

The following policy statement provides general guidelines of ethical conduct for you to follow. It will not make you an expert on the complex legal and ethical issues involved. Whenever you have the slightest doubt about the legal or ethical nature of a transaction, call your manager or the Audit/Ethics Committee.

In this policy statement, the "Company" refers to Baker Hughes and all of its affiliated companies.

A. Illegal Foreign Payments

The following statement generally describes the transactions prohibited by United States Government's regulations concerning illegal foreign payments.

1. No employee or representative of the Company shall, directly or through an intermediary, give or offer to give anything of value to a foreign government official, employee or representative for purposes of inducing such person to use his influence to assist the Company in obtaining or retaining business or to benefit the Company or any other person in any way. This same prohibition also applies to any foreign political party, party official or candidate for office.

2. Payments to government officials whose duties are ministerial or clerical to expedite receipt of services to which the Company is otherwise entitled are not prohibited provided they conform to local practice. Any such payment in excess of $50.00 shall be reported to the Audit/Ethics Committee.

3. All payments made or received by employees on behalf of the Company and all transactions and dispositions of assets of the Company must be properly authorized and accurately and fairly reflected in the Company's books and records.

4. No undisclosed or unrecorded fund or asset of the Company shall be maintained for any purpose.

5. The Company may be fined up to $1 million if it does not comply with the Government regulations described above. There is no legal requirement that such a violation by the Company be "willful." Thus, the Company may be liable for illegal foreign payments made by its employees or representatives. Also, any employee or representative who willingly violates these regulations may be personally fined for up to $10,000 and imprisoned for up to 5 years.

B. Domestic Political Contributions

1. No employee of the Company shall, directly or through an intermediary, give or offer to give anything of value to any political party, party official or candidate for political office with Company funds or resources or on behalf of the Company unless such action fully complies with all government regulations. No such gift or offer shall be made without Management's express prior written approval. Management shall assure full compliance with this rule, and Management shall report to the Audit/Ethics Committee on a quarterly basis with regard to all such gifts or offers and with regard to compliance with this rule.

2. An employee is free to make personal political contributions or engage in personal political activities which do not infringe upon his or her duties to the Company. However, such activities must be carried out on the employee's personal time.

C. Conflict of Interest

It is the policy of the Company that no employee shall have any investment in or relationship with an outside organization that might possibly conflict with the best interests of the Company. This policy applies to an employee's close relatives including spouse, parents and children. Although it is impossible to list all situations which may involve a conflict of interest, the following statement describes a few situations which do constitute such a conflict.

1. No employee may have a financial interest in any corporation, partnership or other organization which is a supplier or prospective supplier or otherwise does or seeks to do business with the Company if in his or her position the employee can influence decisions with respect to the Company's business with such organization.

2. No employee shall use the Company's assets for his or her personal advantage. In addition, each employee must ensure that the Company's assets are not used by third parties without agreement by and fair payment to the Company. Such assets include not only the physical plant, equipment, tools and supplies, but also technologies, concepts, valuable ideas, customer information, business and product plans and confidential information.

3. No employee shall disclose confidential information about the Company to third parties or use such information for his or her own financial benefit. For example, if the Company is about to announce a new product or make a purchasing decision which could affect the stock of a competitor or supplier, no employee shall trade the stock of that company. No employee shall trade in the Company's stock if the employee has confidential information that could affect the price of its stock. No employee who has confidential information about a competitor or supplier because of his Company position shall buy or sell that company's stock based upon such confidential information. No employee with confidential information that the Company is about to build a new facility shall invest in land or business near the new site.

4. No employee shall serve on the Board of Directors or be employed by or contract in any capacity with any supplier, competitor or customer of the Company without the express written approval of the Audit/Ethics Committee.

5. No employee shall accept gratuities or gifts from any existing or potential supplier or customer or anyone in business with the Company if acceptance of such a gift could reasonably be perceived to influence his or her decisions at the Company. Any gift valued in excess of $50.00 shall be the property of the Company and shall be reported to the employee's supervisor.

6. No employee shall give or offer to give gifts, favors or entertainment to anyone at the Company's expense unless such a gift is in accordance with accepted business practice and approved in advance by the employee's supervisor.

D. Ideas and Business Opportunities

1. Any idea, process, trademark, invention or improvement conceived by an employee which relates to the Company's business or which was done with the resources of the Company shall be the exclusive property of the Company.

2. Any business opportunity that is made available to an employee which relates in any manner to the business of the Company shall be the exclusive property of the Company and must be disclosed immediately to the Company.

E. Confidentiality

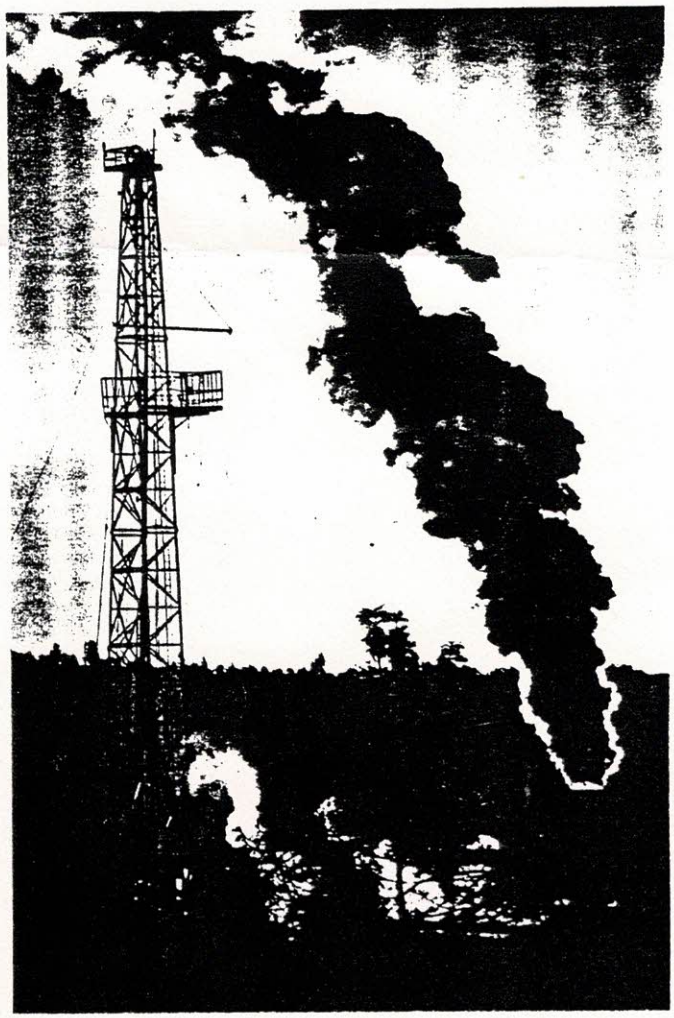
No employee with knowledge of confidential information of the Company shall use that information for personal purposes or disclose that information outside the Company, either during or after employment with the Company.

As Adopted by the Board of
Directors on July 22, 1987

EXLOG

EUROPE AFRICA MIDDLE EAST REGION

NOVEMBER 1987 NEWSLETTER



EXLOG-SAMEGA SNC

Exploration Logging has recently acquired the assets of the French mudlogging company Samega-Ceres. Since 1st August, 1987 the new company has been operating as Exlog-Samega SNC, but the agreement has only very recently been finalised officially.

Paul Hughes has accepted the position of Operations Supervisor for Exlog-Samega and will be relocating to Paris in the very near future.

The agreement of acquisition is for the French assets of Samega-Ceres and the commercial (logging and consultancy) contracts in France to be transferred to Exlog-Samega. Currently we have logging contracts with Total (2), Esso and Gaz de France and provide consultants to Total and Gaz de France. Additionally core analysis services are provided from the office. We have retained about 30 office and field staff to take care of existing business.

Not only does this acquisition give us an immediate majority share of the French market (previously unobtainable) but we hope also that this will be the first major step towards Exlog being more successful in being awarded work internationally with Elf and Total, both of whom have large overseas interests.

OPERATIONS

Aberdeen is currently operating twenty-one contracts and Bergen ten contracts. Recent work awarded includes the Santa Fe 135 for Amoco (six wells), Tenneco (Rowan Gorilla II), Shell (Onshore UK), Trafalgar House (Onshore UK), Kerr McGee (Ocean Liberator), Ranger (Neddrill VII), Amoco (Mr Mac) and Phillips (Dyvi Stena).

There are a number of outstanding tenders, which includes the prestigious Brae 'B' contract, which would require two logging units for the twin derrick platform. BP, Occidental, Amoco (Norway), Hamiltons, Arco, Phillips, Texaco Fina, British Gas, Amoco (UK) all have long term drilling programmes. Rig activity in the UK Sector is expected to be double that of March 1987 (22 active rigs in March, probably 45 active rigs by December).

In the Europe, Africa, Middle East area, there has also been a significant up-swing in activity with Windsor supporting 45 units at present, compared to 25 in mid March this year. Additionally, there are 20 consultant petroleum engineers, wellsite geologists, and operations engineers under contract to oil companies in this part of the region. Exlog has it's first mwd contract in Holland for Pennzoil and is obviously hopeful that this will be the beginnings of further activity of this type in Holland. Some of the new contracts recently awarded include replacing Geoservice for Amoco offshore Gabon, supplying Gemdas services offshore Sweden for the State oil company OPAB, supplying standard logging services to Chevron onshore in Somalia and increasing our number of units with Maersk from one to three offshore Denmark. New consultancy positions include wellsite petroleum engineer for Shell in Libya, additional petroleum engineers for Maersk in Denmark, consultant wellsite geologist for Zuetina in Libya, and wellsite geologists for Chevron in Spain.

This activity bodes well for the future utilisation of our equipment and personnel. We look forward to a mutually beneficial year.

VACANCY

Are you interested in the following job opportunity?

JOB DESCRIPTION

Location: Aberdeen and/or Windsor

Duties: Co-ordination of Final Well Reports

This involves all aspects of report finalisation from receipt, proof reading, data editing, overall product quality control and final dispatching of reports and logs.

Training and Familiarisation of field personnel with regards to:

SPECS Tests
Gemdas Training
Pressure Analysis
and other Services (PK, XLBASE, DSA).

Client Contacts, which involves:

Attending Pre-spud meetings
Well-report customisation

General familiarisation of current field operations.

If you are interested in this vacancy please contact Bob Fagg in Aberdeen or Jim Gillett in Windsor.

GEOCHEMISTRY

The Geochemistry group in Windsor would be interested in hearing from any field Geologist who may be interested in training as a field Geochemist.

Projections for 1988 show an upturn in onsite Geochemistry work. If you are interested please contact Doug Whyte in the Windsor office.

PERSONNEL MOVES

It is with regret that we advise that John C. Wilson, senior engineer in Aberdeen has recently left Exlog to pursue a new career in "The Smoke", we all wish him every sucess in his new environment. Thank you John for all the sterling efforts you have made over the years of service you have given Exlog.

Ken McCombie has been promoted to the "Senior Engineer" position and we ask all of you to give Ken every assistance possible.

Aberdeen has two new faces, Sheena Fowler, who is the new Travel/ Personnel Secretary and Simone Robertson who is the Technical Assistant assigned to well reports.

We have had a new arrival in the Windsor office, a Geochemist from Exlog's Denver laboratories, Rick Harding who has come over with his wife and new baby for a year's stay in Windsor where he will be setting up running and training Exlog Windsor staff on the organic geochemistry analysis called Vitrinite Reflectance.

We welcome them to our region and trust they will enjoy a long and fruitful stay with us.

MWD

Activity in Norway continues on a steady basis with jobs currently for Phillips and Mobil and several prospects for contracts. In the UK we now have a long term call out contract with Shell.

Our DLWD system has included a 16" short normal resistivity sensor (as well as gamma ray and directional sensors) since it was introduced in 1981. Earlier this year we introduced a focussed resistivity sensor as an alternative to the 16" short normal. This provides increased depth of investigation into the formation combined with the ability to resolve 6" (15cm) beds in any water base muds. It is particularly suited for use in salt muds where other types of resistivity measurements perform poorly or not at all.

The logs obtained have been excellent and our clients are extremely pleased with the results and excited about the potential. A paper on the sensor and its use was given at the SPE in Dallas last month. Copies of this are available in the offices for anyone interested. On the development side significant efforts have been directed at the pulser system, and the results of the fuller understanding of its performance are now being fed back into our operations.

WELL REPORTS

The process of finalising well reports as they come in from the field is being ever enhanced to make the best use of the tools we have as they become available, and to meet the changing demands of oil companies.

With todays word processor, it is possible to tailor text and tables to meet a specific requirement very easily, given that the basic raw materials are of good quality and consistent. To a certain extent the two go together (eg. consistent use of abbreviations throughout a report; ppg or lb/gal, m/hr or

min/m, sg or r.d. or gm/cc). But the consistent format of text makes processing in the office a lot easier, so please:-

1) Use the standard tabs and indentations as specified on the master well report disks (each line; tab (6 spaces), each paragraph; extra 3 spaces,

2) Leave underlining in the file, even though it can make a bit of a mess on your printer.

However, a well written report with a carefully drawn and spliced set of logs makes processing your reports most pleasing.

As far as content is concerned, one page summary plots are definitely the flavour of the month, be they pressure, lithology, dxc or drilling progress.

HIRE CAR DISCOUNT STICKERS

In the last newsletter we announced that we have hire-car stickers for Avis, Hertz and Budget.

We have Hertz and Budget stickers and are awaiting the Avis stickers we will distribute to all field personnel as soon as we have received these.

INVENTORIES

As you may be aware, inventory shipments for the whole region are being made from the Windsor Office. With the current level of unit activity in the region being as high as two years ago, the strain on the Windsor resources to process inventories within a four week timeframe is great. You can assist by using the following guide lines when sending your inventories into your local offices.

1) Ensure inventories arrive in your local office on time.

2) Do not underestimate consumable items for the ensueing months.

With accurate inventories we will be able to cut down on small "emergency" shipments.

If your unit has a surplus of engineering spares please return these to your local office as soon as possible, this again will assist the engineering department in preparation of other units and the repair of duff equipment.

Your help will be appreciated in the areas of inventories and spare parts.

NEW MONITORING COMPUTER SYSTEM

Over the next six months, the Exlog monitoring software is going to be re-written on a new computer system. This will mean a replacement of the HP2108 computer and the software which runs on it. The new software will be written in Aberdeen. The new system will provide all of the functions of the old ELOS system for online monitoring including reading the sensors, performing appropriate monitor calculations and providing online plots, prints and displays. For offline analysis, data will be transferred to a system such as the XLBASE database system which some of you will have already used.

At the same time as the software is being developed, Exlog is also going to be evaluating a number of different data acquisition systems which will allow us to have a replacement system for the rack full of digital meters and the multiplexer and also to take advantage of new sensor technology. This new hardware system is expected to be ready for field testing at the same time as the new software.

A task force headed by John Shields and including Peter Morrison and a programmer from Sacramento (Dale Petros), will be segregated from the Aberdeen office to complete this project.

Andy Sentance will take over Peter Morrison's role as the person responsible for day to day software questions in Aberdeen.

The specification and design of the new system is now under way. If you have any comments, ideas or suggestions about any of the following topics or any other related subjects, please get in touch with John Shields in Aberdeen.

Drill/Trip/Kill monitor logic
Calculations (drilling efficentcy, hydraulics etc.)
Data Displays for EXLOG or client use.
Alarm monitoring
Top drive operation.

We look forward to receiving your ideas and suggestions.

Mike Saunders a senior field geologist, currently assigned to NAM in Holland as a Wellsite Geologist has submitted the following entry to this month's newsletter.

NOT ANOTHER BAKER SHARE ISSUE

I am often asked "Whatever happened to "The Log"?", or "is there a company magazine?" The answers being "who knows" and "no", respectively.

Of course, there is that venerable organ the "Regional Newsletter". I'd better watch what I say here. I had a vision of a new lively interactive, subversive, informative, cynical, entertaining magazine for the field (since we are the majority) in which I get paid to do expensive restaurant reviews, and have exclusive use of a company Lamborghini etc. This was wholeheartedly approved of in the office but .... it was suggested that if I was so bloody keen to do something, why not? Since everybody knows that wellsites have the time to do this kind of thing between videos, books, eating, knitting etc.

So the "Old Lag's Almanac" is born, almost. I want contributions, unless you really don't want a magazine; in which case just say so.

There is a degree of distance between the office and the field that is inevitable in a company structured as ours is. I have the dubious privilege of working in the office occasionally so I know that they're not quite as bad as some people would like to think. I'm sure that this project can benefit both sides.

Much as I would like a crazy, wild, inconoclastic voice of free Logging with lots of confidential information, muck, scandle and rude words I have a couple of overiding considerations:-

i) I want to use the office photocopier.

ii) I want to use the office franking machine.

iii) I want to keep my job.

Please submit anything, opinions, letters, articles, cartoons ideas, complaints. I'll try to get as much printed as possible.

Those diaries that you're throwing away. This is the place for your favourite cartoons, captions. I know how good some are, (I know how bad some are) don't lose them photocopy them. Obviously I can't print very personal or extremely rude jokes or cartoons so don't bother sending those in.

HERE'S THE FIRST ISSUE"

OLD LAGS ALMANACK ISSUE NO. 1

1. Waggish editorial

2. Whats New

3. A Day in the Life of a Logger

4. Letters

5. Right of Reply

6. "Hair and Helmets", handy hints

7. Selected extracts from the IADC catalogue

8. The good Rig guide: who steals the underpants? Who can ruin a boiled egg?

9. Record Reviews

10. Top 10 cassettes in units

11. Top 10 videos on rigs

12. Big Zeds: the everday story of logging folk

13. Profile: Andy Sentance, what does he do anyway?

14. For sale: any old copies of Glennie to sell?

15. Programmes for your calculator HP41 CV or Basic?

16. A guide to the SP log.

17. The Geology of Haltenbanken.

18. The principles of measuring mud weight.

19. Ideas: "Shoot me down in flames but ..." send in an idea, we'll kick it around.

20. Specs tests. What is £25?
Well its 20 pints of beer a month.

21. There is a little bit of a bug....

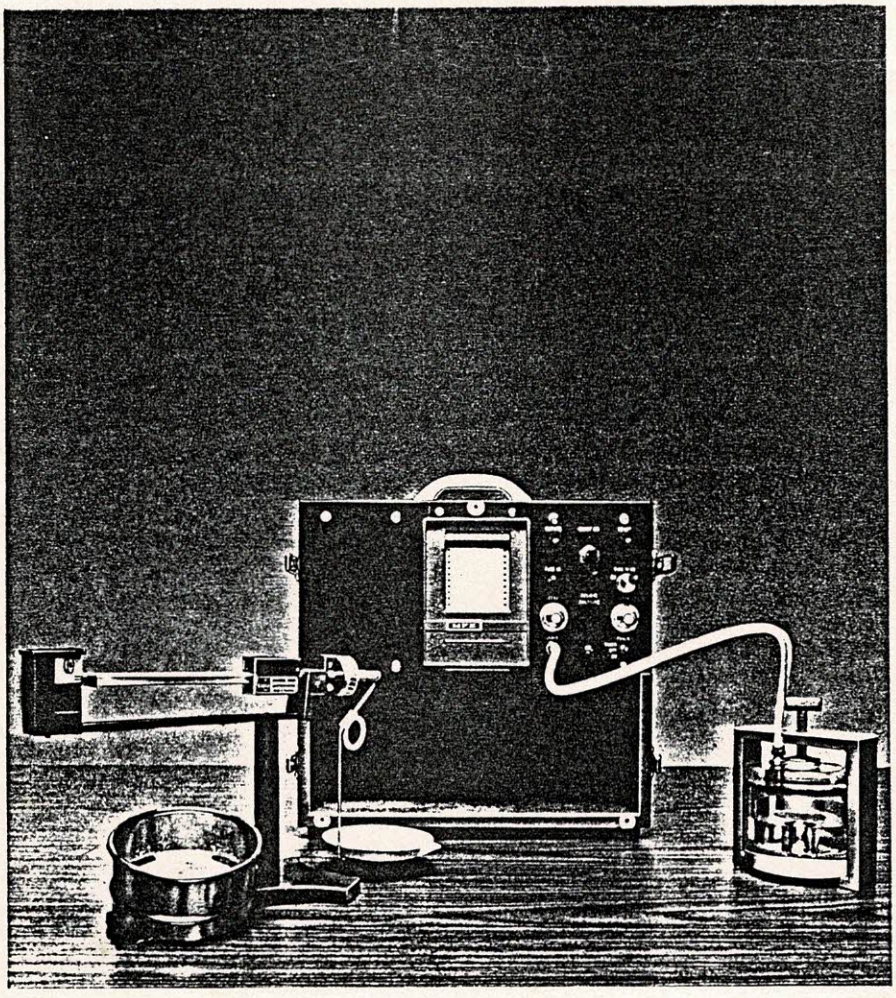
Let rip. The editor reserves the right to alter any material out of all recognition.

Competition: The best suggestion for a title will win the lucky logger a week for one in the office trying to make sense of other peoples plot data. Which reminds me .....

EXLOG®

EUROPE AFRICA MIDDLE EAST REGION

JANUARY 1988 NEWSLETTER



NEWSLETTER - JANUARY 1988

Our efforts to produce a newsletter for everybody on a regular basis has run aground recently. There are numerous excuses which we are sure you don't want to hear so please accept our apologies and belated wishes for a Happy New Year.

COMPANY ACTIVITY

As regards activity, the last three months has seen us expand our activity to the level where we have had to decline contracts and even decline to tender, due to the obvious lack of personnel and equipment to perform these contracts.

In the North Sea area we have reached a level of activity that has never been achieved before. Many thanks must go to field geologists and to the engineering staff, many of whom worked long hours and unequal time during this activity peak.

The upsurge in activity has seen us work for a considerable number of new clients in the North Sea, and older clients who are exploring again. BP, Occidental and Amoco are our three major clients with fifteen other companies using our services over this period.

A number of questions have been asked on the future market trends, the Baker-Hughes market survey analysis shows the following:-

1988 Projected Rig Activity

Active Rigs

	Jan-Mar	Apr-Jun	Jul-Sep	Oct-Dec
Europe	199	208	208	207
Middle East	100	104	105	111
Africa	114	114	110	112

PERSONNEL MOVES AND PROMOTIONS

We are pleased to announce the following promotions effective 1 January, 1988:-

Mick Djurdjevic - Operations Supervisor Tunisia

Bob Fagg - Operations Manager - Aberdeen

John Shields - Regional Manager - Computer Sciences

Richard Burman - Area Manager - EL North Sea

Steve Pembury - Senior Manager - Regional Finance

Richard Burman will be moving to Aberdeen approximately 1 March, 1988 to assume the Area Manager's role for Exploration Logging North Sea. Richard will be a

welcome addition to the Aberdeen office to further support and focus upon the increased activity in the North Sea.

Additionally John Parsons, Regional Engineering Manager, will be relocating to the Windsor office effective 1 February, 1988 to centralise and co-ordinate regional engineering functions (stores, repair centre, manufacturing/overhauls etc.) in this office. Ken McCombie - Senior Engineer, in Aberdeen, is responsible for all North Sea engineering activities.

Finally John Turvill will take on the role of Technical Manager effective 1 March, 1988 responsible for managing technical support functions of EL North Sea. (This is distinct from John Shield's position who is Regional Manager - Computer Sciences responsible for software development).

TRAVEL

Taxis

Related to the Aberdeen and Windsor offices when you order a taxi for any destination (station, airport, etc) please check with the receptionist to ensure that there is not another field geologist wanting to go to the same destination as you.

Reception

All personnel visiting the Aberdeen office are requested to sign the visitors' book each time they come through the offices. Nobody will be permitted to enter the office area unless they have reported to reception first.

This action has to be taken due to security reasons and one or two incidents in recents months (an example being two drunks trying to locate a "John" in the Aberdeen office!)

Passports

Please ensure that the Windsor office has your correct passport details, as it may be necessary for a visa to be applied for on your behalf at any time.

If your passport is almost full or expired, please make sure that a new one is applied for on your behalf by us well in advance of the time that it will be required. As a business application we can usually get a new passport issued within days, even when postal applications take weeks. Just a brief reminder to **all** personnel in the region; if you work offshore UK you still need to carry a passport.

Timesheets (ELOI Personnel)

Unfortunately the timesheet copies which are mailed from Jersey are not reaching their destination in a reasonable time and please accept our apologies if this has caused a problem. This was due to illness and postal delays in Jersey over the Christmas period. Ideally it should be possible to read through and check your previous months timesheet before submitting the next one, but please don't hold on to one waiting for the previous, as this can hold up the processing of the next.

If you do find any discrepancies in a previous timesheet, please make notes on any corrections required on the next timesheet. This makes it easier than attempting to match up letters and timesheets at a later date.

An apology is due to those of you who had overtime paid off at the end of October. Unfortunately this was paid off at 1/30th of the basic salary, not 1/15th as described in the last newsletter. The discrepancy should have been corrected on the November timesheet - again, please let us know if there is still a problem.

Temporary Assignments

As we continue to see the current gradual improvement in the industry, the Exlog group is making relatively frequent use of temporary personnel assignments between operating entities. This allows the optimum use of personnel during the usual ebb and flow of activity. One potential problem with these assignments is that timesheets end up in all the wrong places. Please note therefore the following guidelines to avoid your timesheets being unnecessarily delayed:-

1) If there is a district office e.g. Italy, Syria etc. then timesheets submitted from the field must go via this office. If not or if you are at home at month end then submit them to Windsor.

2) If you are temporarily assigned elsewhere, e.g. Aberdeen or Bergen then submit them to Aberdeen no matter where you are at month end. They will be forwarded internally after approval.

Car Parking

In Aberdeen and Windsor car parking space is limited and cars can only be left after permission from the office. With frequent moving of units and other material within the yard, our advice is not to leave your car in the office grounds (unless of course in an emergency).

MISCELLANEOUS ADMIN

Unit Keys

Please ensure that you have a unit key on your keyring or in your briefcase. If heading off to a new job, or having to pick up a package from the handcarry box in Windsor you will need a key. Being locked out of your own unit can be an embarrassing matter.

Boots, Hardhats and Coveralls

A brief reminder that with the current high level of activity, you should **always** bring these items off the rig when you are crewchanged.

American Express Cards

During the course of the last few days we have received a number of phone calls from American Express Brighton wherein they are wanting to contact card holders who have not settled their accounts in a timely way. This obviously is time consuming for office staff and tends to draw us into your strictly personal matters, something which we would choose not to do. It is appreciated that many geologists and engineers have done long continuous stints on rigs during these very demanding times and quite often very little notice was given to that effect. We do wish to remind you that the settling of your Amex card accounts is important if you want to retain the card. A better method of easy payment is to set up a direct debit at your bank. This ensures payment if you happen to be on a rig when the bill arrives. Amex have confirmed to us that once cards have been cancelled they will not be re-issued to individuals. We obviously want to avoid this.

Pension

All pension members should by now have received a computer print out showing their own contributions to 31st July. If anybody has not received theirs please contact Mike Coe at the Windsor office.

INVOICING OF CONSUMABLE MATERIALS

Since the introduction of the new Monthly Report forms, the amount of previously unclaimed consumables which are now being re-billed to Client companies has been improved. The full list of items which should be re-billed to clients is attached. Please note that in order for these items to be billed it is essential that the company representative signs the report, and any additional pages as required. The importance of listing all items used from the attached sheet cannot be overemphasised. At the end of the well, please ensure that a Monthly Report for the partial month is completed, as well as the pink Final Well Report form.

Field blueline log copies are generally billed as the number in excess of a free entitlement, e.g. 2 free copies of each original, with further copies being charged at a fixed sum per sheet. In order that this billing can take place, it must be possible to see how many total transparancies were drafted and how many copies made of each Master. All copies of Wellsite Geologists Log and other miscellaneous copies can be charged for and hence must also be listed. By doing this we can ensure that all supplies rendered can be re-billed to clients.

UNIT MANAGER BONUS

The Unit Manager bonus was introduced in July 1986 to simplify the system and avoid the situation where there were numerous T.C.'s on a particular unit. Somehow its application is not that well understood and therefore some clarification is given below.

On a unit with a regular crew, one man (usually the most experienced) will be assigned by management to the Unit Manager position and he will be responsible for the efficient running of the unit, inventories, monthly reports, etc., as well as ensuring that the logs drawn and reports made are up to the usual standard. The Unit Manager on a Gemdas unit has the responsibility for ensuring that the whole of the unit is run efficiently.

There is only one Unit Manager for each unit. However a Gemdas Unit may have an assistant Unit Manager. He will generally be the second most senior member of the crew, he must have "first man" status and again the position is assigned by management. First man status is obtained by passing the A100 SPECS test plus the management interview. Only one Unit Manager bonus can be paid for any day, therefore the assistant UM will not be paid the bonus if the UM is on the rig. The bonus in each case is £7.00 per day. If neither the UM or AUM is on the rig, then there may be some days for which no bonus is actually paid. This is similar to the position on a Standard unit where the UM is on days off.

The UM and AUM bonuses will be paid for each relevant work bonus and the position of Unit Manager or AUM should be entered on the top of the timesheet. No UM or AUM bonus is payable to contract personnel.

INVENTORIES

We want to take this opportunity of advising you that, in May 1988 Exploration Logging Incorporated will be moving from California to Houston. Naturally, such a move may well create temporary difficulties in respect of their supplying stock and engineering parts for onward shipment to meet your bi-monthly inventories etc. To that end, plans are already in hand to draw off additional stock from Sacramento so that we do not have to re-order on them during the period of the move and the re-organisation.

The unit managers throughout this region will play a major role in helping us get through this difficult period. The bi-monthly inventory must be completed with thoroughness and should be submitted to the appropriate office as early in the following month as is possible. We recognise that the bi-monthly inventory forms are in serious need of update, (this is one of our projects for early 1988) but until such time as they are available, would unit managers please take great care to ensure that they are only ordering items they need and not just ordering items according to the maximum/minimums shown on the existing bi-monthly inventory forms.

Carelessly prepared inventories could result in a unit having an overage at the expense of another colleague's unit. In particular, please ensure that consumables for secondary equipment are checked against the secondary equipment physically working on the unit. It is appreciated that bi-monthly inventories are time-consuming and very repetitive but the way they are handled can be translated into a significant amount of stock lying idle in the field which is bad management. If unit managers are requested to supply unusual items by the oil company representatives, it would be helpful if they add a brief explanation to this effect. The Windsor office is currently shipping close on forty inventories a month besides many other interim consignments. We know, from studying a back-order position, that some unit managers over-order because of the delay in getting items to the unit. This is a natural reaction but in fact worsens the position for all concerned since back-orders have to be analysed in great detail and regularly checked for inclusion in shipments to your units. Currently, we have been taking up to 30 days to turnaround inventories due to a number of circumstances but we are not satisfied with this time lag. To try and speed things up our mainframe computer has been upgraded which will allow data entry and processing time to be reduced by 70%. This type of improvement should manifest itself to you with a shorter turnaround of your inventories. If you add this to the sought-after improvement in the standard of inventories, the region as a whole will gain; there will be sufficient stock to go round, back-orders will be cut and most importantly reduce the value of stock lying idle in the units.

Unit Managers are requested to return to their local office, or preferably Windsor, any surplus items such as PC Boards, Sensors, gas bottles, even if the same items are in need of repair or refill. We now have a repair centre in Windsor whose function it is to repair items quickly thus obviating purchasing new like items. To give an instance, a 1% methane cylinder costs $220 ex USA but we can refill empty cylinders for $18. Please ensure that commercial invoices accompany the shipment and that it clearly shows the unit number. Please try to group shipments to limit freight costs.

With effect from 1st February, 1988 we want to create a better flow of inventories being received in Windsor. To make this possible, bi-monthly inventories will be sent in as follows:

February)		March)	Onshore UK
April)	Norway	May)	Cairo
June)	Offshore UK	July)	Syria
August)	Italy	September)	Africa
October)	Denmark	November)	Arabian Gulf
December)			Holland

To meet this change, it is appreciated that some units will have to take this into account when doing their bi-monthly inventory. If there are any particular problems, please do not hesitate to contact your local office.

Please note: This last paragraph does not refer to units operating in Egypt or France.

SUBSISTENCE AND ACCOMODATION IN THE WINDSOR AREA

The rate for lunch and evening meals in the Windsor area is currently at £2.50 and £6.00 respectively. This will be paid on the following timesheet as usual, and should be claimed under the Subsistence column on the front of the timesheet. Accomodation will usually be arranged at the Sundial in Datchet or the Dorset in Windsor. If an evening meal is provided at the Sundial, please do not claim subsistence as well.

The daily rate for training schools has in the past been the £7.00 per day Miscellaneous Bonus. With effect from 1st January, 1988 attendees on all schools will be paid the Log 12 Work Bonus rate for Europe.

All meals travelling to and from the course should be claimed on receipts, not as a subsistance rate.

Overnight accomodation in the London area as part of a crew change can often be re-billed to client companies as part of the crew travel costs. In this case a receipt is required, which can be forwarded as backup to the invoice. If you are staying at the Dorset or Sundial, the payment can be made directly to the hotel or billed to Exlog if prior arrangements have been made.

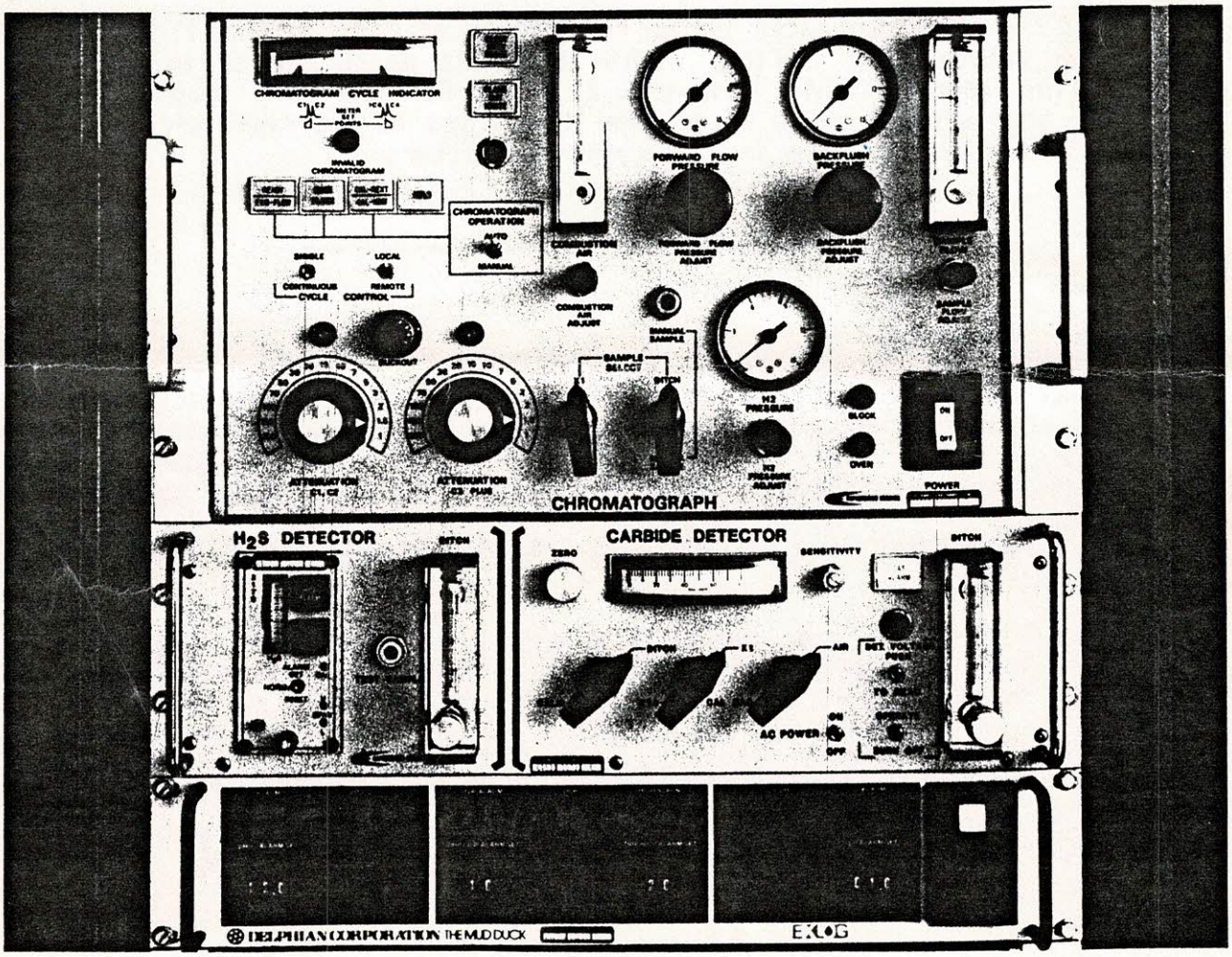
SHORTAGE OF EMPTY GAS CYLINDERS

In a determined effort to avoid the costly exercise of consistantly purchasing gas cylinders from the U.S.A. can you please ensure that **empty** cylinders are returned to the Windsor office **with faulty equipment despatches only.** It is not necessary to make special shipments for gas cylinders alone. Your cooperation is greatly appreciated.

EXLOG®

EUROPE/AFRICA/MIDDLE EAST REGION

APRIL 1988 NEWSLETTER



EXPLORATION LOGGING NORTH SEA

NEWS LETTER

EXLOG WINDSOR OFFICES

John Lauletta, the president of Exlog, recently visited the Windsor offices as part of a European Tour. During his visit, one of the more major topics covered was that of the current buildings that Exlog utilises in Windsor. Plans were proposed at that time for one of Windsor's more major changes in accomodation. As a result of this meeting and subsequent discussions with Baker we are very pleased to be able to announce that Exlog Windsor will be having a new building constructed specifically for it in Shirley Avenue.

If you visit Windsor in the near future you will see, opposite the Dairy, foundations going in for a new building. This is to be Exlog's new suite of offices which will include ground floor accomodation for an enlarged and expanded Geochemistry lab and on a large first floor, a full set of offices for the management of Exploration Logging (Services). There will also be room in this building to allow for future expansion and to accomodate one or two other Baker company management personnel. The existing building, Terminal 2, which currently houses engineering will be retained and following occupation of "Terminal 4" in approximately October this year, Terminal 2 will be modified to more efficiently accomodate engineering and training functions. We feel sure that the new building will be one that Exlog feels very pleased to invite oil company personnel to for meetings and to view the increased range of geochemical laboratory services available to the industry.

Some of the staff currently in the first floor of Terminal 3 will unfortunately have to vacate their offices within the next month and so we will all be shuffling around within Terminals 2 and 3 for the next couple of months. Please bear with us while we try and direct you to the right office. Further details will be available in subsequent newsletters.

THE LAST SIX MONTHS

Now that Christmas has come and gone, and we are clearly into activity related to oil companies 1988 budgets, we think it fair to say that there is a mood of cautious optimism regarding the level of activity in exploration drilling in the Europe/Africa/Middle East area. Also our confidence extends to any fluctuations of a dollar or so in the oil price being still within their budget plans. This being the case, drilling activity is unlikely to be halted; as we have seen recently.

Activity for Exlog over the last 6 months has been very high and it has resulted in us having to ask you for your understanding and co-operation whilst we made every effort to acquire our share of this new activity. This continues, with barely any exception to be at better dayrates than in 1987. This high activity with better dayrates has enabled Exlog in this region to recover financially so that we are now projecting a small black bank statement instead of a red one. With it has come continued recruitment to ease the personnel shortages that we know we have all felt over these last months.

Efforts are now being made to stabilize activity levels so that scheduling can continue to be structured on to an equal time basis in most, if not all cases.

The continuing improvement in health of Exlog has also allowed us to commence a number of advanced schools and during late March we have had Mr. Hilton Evans Director of Log Analysis from Exlog headquarters in California come to the U.K. to give a number of schools to field geologists to improve their knowledge in this subject. Naturally this will improve our potential of promoting these individuals into consultancy. Consultancy has seen measureable growth especially throughout the last 6 months and especially for one company, Shell, who have taken nearly all our trained and experienced petroleum engineers under contract.

Returning to training, it is also hoped that within the next two months Exlog will establish a training position in the engineering department which will allow training schools for new engineers, training schools for geologists on new (and even some older!) equipment and also to cover the very important topic of quality assurance. Quality assurance is considered by some to be "the devil disguised as a paperwork monster" but is a very necessary part of proving our competence both to our clients and to ourselves in the way that we do our business. This must be looked upon by all of us as a positive development and the procedures that we will need to follow to meet certain standards will be given to you as the various areas of our region progress. We will give you further news of this subject in later newsletters.

In general, the range of schools to be made available to all categories of personnel in the company will be emphasized and expanded from now on, in order to allow Exlog to continue to grow and develop and maintain it's position as a premier employee of professional geologists.

The OFF school has also been revamped into a full two week course, to increase the practical content. In respect to both geological and engineering detail.

INFLUENCE OF THE PHARAOHS

Whilst the title may sound unusual, we are pleased to say that during the last six months an increasing number of Exploration Logging International Inc. (Egypt Branch) staff have been assisting ELOI in various countries outside of their own country. The flow of activity between the various countries within the region has been quite noticeable and Exlog Cairo's geologists have been very gratefully received by ELOI during some of the peaks of activity, with personnel from Egypt now working regularly in Syria, Turkey, Tunisia, Qatar and with occassional trips to West Africa. Their assistance in working in such a broad range of new countries is greatly appreciated.

WINDSOR BASED GEOCHEMIST

The Windsor geochemistry department has an opening for a geologist to work in the Windsor laboratory. The job will initially comprise 'graduate technician' work - sample preparation/description, analysis of samples, and equipment maintenance, and may involve some shift work. The work will progress to other analytical systems, including oil chromatography, microscopic kergoen analysis, and pyrolysis - gas chromatography.

The position would ideally suit an Exlog geologist with up to a year's wellsite experience and a keen interest in geochemistry. The candidates must also consider the cost of living in the Windsor area, making people already living in the area most suitable.

Please write with details of your Exlog experience and interests in geochemistry to Mark Bagge in the Windsor lab (please do not phone us).

BERGEN NEWS

We are pleased to announce that Peter Hill-Cottingham has accepted a position of Technical Superintendent in Bergen. He will obviously strengthen Bergen's technical support of both MWD and GE operations, particularly during the introduction of new software and hardware during 1988.

ABERDEEN OFFICE

As a number of you will be aware by now, there has been a shuffling of offices to accomodate the presence of Richard Burman. Richard has moved from the London Marketing office to Aberdeen to be Area Manager, if you pass through the building please do not hesitate to pop your head round his door to introduce yourself.

Sue Deaves is currently on maternity leave and Diane Honeyman has joined us to maintain the stable level of secretarial staff.

In the engineering department, we have four new faces. Dave Bates and Ian Ritchie, both Services Technicians, Andrew Clarke, Workshop Assistant, and finally Mike Emsley who is a part-time Sandwich course student.

John Turvill has also moved office to be closer to the technical end of the building, some exciting new products should start to flow from the technical group, especially in connection with the excellent work being produced from John Shield's software group.

U.K. AND NORWEGIAN RIG ACTIVITY

The rig activity in these areas is close to reaching a peak for 1988, with high jack-up utilisation and a steady market for semi-submersible rigs.

Hughes forecast for the UK market for the next fifteen months is for a stable market situation, although this may be tempered by the "Oil Price", "Opec Meetings" and Gas Production through this period. Exlog on the whole remains reasonably optimistic in respect to future activity, but of course we will not become complacent just because we have turned the corner.

SPORTS ACTIVITIES

The Aberdeen office intends to dispose of its "thermals" for sports kit during the summer. We already have two five-a-side football matches arranged, a golf match and hopefully a cricket team will be assembled. We will give full match reports in the next newsletter.

Finally, for those who were not in Aberdeen on April 6th, you missed Summer, 20 deg C. in Aviemore (the warmest place in Europe), Rob Goodal from the accounts department caught a nasty case of sunburn whilst on the ski slopes! But winter returned on 7th April with a dusting of snow.

LONDON OFFICE

As most of you may be aware, Exploration Logging North Sea have maintained an office in central London since 1985.

It is presently located within the Hughes Tool facility at Enserch House, 8 St James's Square, London, SW1Y 4JU, and staffed by a single employee Tony McAloon, who has recently moved from Lafayette, Louisiana, to assume his current position as Marketing Supervisor. The office location will, however, change towards the end of June, when the Hughes Tool Company office is relocated to Aberdeen as a result of the continued Baker Hughes consolidation programme.

If they are moving to Aberdeen, some of your may wonder why we feel it necessary to continue our own presence in London, which is, after all, a fairly expensive place to maintain an office.

In order to answer that question it has to be realised that nearly all of our work is obtained through competitive tenders which are, in the majority of cases, issued and evaluated by explorationists (generally geologists) within the operating oil companies, our clients. To be as successful as possible in this very cost conscious and competitive market, it is essential for us to maintain:

a) an awareness of market rates and market conditions (e.g. unit availability)

b) an understanding of competitor strategies.

c) a knowledge of oil company plans and overall budgets/ drilling activity, in order to predict upcoming market trends.

d) close contacts within client and drilling contractor companies in order to achieve a) b) and c) above.

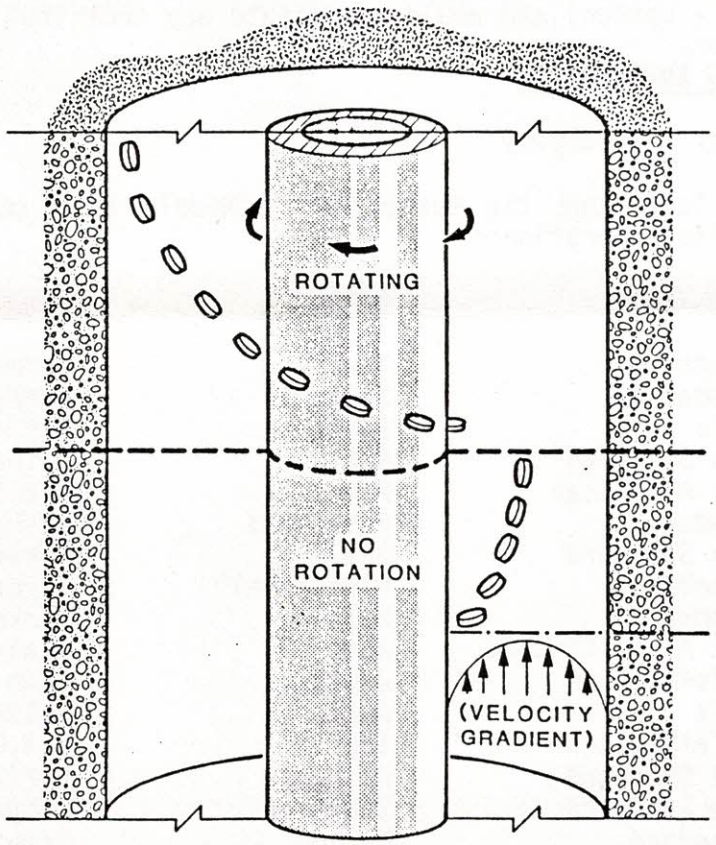
Tony's job in London is solely related to marketing issues and his time is spent almost exclusively on the contacting of clients and overall promotion of our services, including mudlogging, MWD, consultancy and geochemistry. He works primarily in London, but is also responsible for contacting key clients in Great Yarmouth (the drilling/ operations arms of Amoco, Arco, Conoco, BP in particular), Eakring (BP's onshore group) and Ireland.

With 45 operating oil companies based in or around central London, it is essential for us to maintain this marketing presence and essential for Tony to optimise his time visiting such a large group of clients. By establishing and maintaining the office in central London, as opposed to an outlying area such as Windsor, we are able to avoid wasted commuter time, and to optimise the time spent between appointments when Tony is generally working on the preparation of quotations or negotiation of contracts. His presence also reduces the need for management trips from Aberdeen (and to a lesser extent Windsor) to London, optimising the use of Aberdeen's resources and reducing management travel and subsistence costs.

We are committed therefore to the continued presence of the London Marketing office and confident that Tony McAloon will fulfil his role as marketing supervisor as efficiently and successfully as possible. He has worked extensively in this capacity for Exlog (USA East) in Houston and Lafayette but is new to the North Sea area. His name will therefore be unfamiliar to most of you, but we will be providing further background on him in upcoming newsletters. You should also feel free to ring Tony (01 839 2102) if you are ever planning to be in the vicinity of the office, as he will be happy to put time aside, as his schedule permits, to introduce himself and discuss general marketing issues.

EXLOG®

NEWSLETTER



JULY 1988

JUNE 1988 NEWSLETTER

INTRODUCTION

In the past many newsletters have been seen primarily as a series of requests from office to field and unfortunately many have been conveniently ignored. Of course many of the points then come back to haunt us particularly on subjects such as inventories and timesheets. The format below therefore has been divided into two sections where the first half is devoted to providing information to you the reader, and the second half is the part where we ask for ideas/changes/improvements in various aspects of the job. The feedback received (if any) from previous newsletters has been minimal and yet quite obviously there are a host of ideas/complaints/misunderstandings to be answered. Hence if you have any feedback at all please get it in writing and return it to Jim/Ralph/Dave as soon as convenient.

We have also introduced a "General Interest" section where any article of interest from office or field will be considered for publication. We have started the ball rolling with an article from Tony McAloon (Marketing Supervisor - London) and would appreciate any contributions from the field.

SECTION 1 - INFORMATION

1. State of the Company

   As of late June the Europe/Africa/Middle East region has the following summarised operations:-

Job Type	Client	Location
Gemdas X	Maersk	Denmark
Gemdas XI	Statoil	Denmark
Alfa	Dopas	Denmark
2 x Standard	NAM	Netherlands
2 x Alfa+Scan	Pennzoil	Netherlands
Gemdas X	Petroland	Netherlands
2 x Standard	Shell	Turkey
Standard	Wintershall	Turkey
Gemdas X	Esso	Turkey
6 x Alfa/Standard	Agip	Italy
Alfa+Rigscan	Japex	Oman
Alfa	Amoco	Qatar
Alfa+Rigscan	IPC	U.A.E.
4 x Standard	Al Furat	Syria
2 x Standard	Zueitina	Libya
Standard	Tullow	Senegal
Standard	Chevron	Somalia
Gemdas X	Amoco	Congo
Standard	Marathon	Tunisia
Gemdas X	Tenneco	Gabon
Gemdas X	Amoco	Gabon
Gemdas X	Elf	Gabon
Gemdas X	Chevron	Cabinda
Standard + Rigscan	Chevron	Cabinda
6 x Standard+Rigscan	Various	Egypt

Total Units = 42		

Confirmed upcoming work includes:

Alfa	Amoco	Somalia
Standard	Sedco	Senegal
Standard+Rigscan	Chevron	Spain

Consultancy work includes:-

Ops Engineer	Shell	Somalia
2 x WSPE	Al Furat	Syria
4 x WSPE	P.D.O.	Oman
WSPE	Shell	Libya
Ops Engineer	Shell	Libya
3 x WSPE	Shell	Turkey
Staff Engineer	Shell	Netherlands
Staff Geologist	Elf	Nigeria
WSG	Japex	Oman
2 x WSG	Conoco	Angola
4 x WSG	NAM	Netherlands
2 x WSG	Kufpec	Tunisia

Upcoming Consultancy includes:-

2 x WSG	Wintershall	Netherlands
2 x WSG	Chevron	Spain

In addition to the above, Exploration Logging North Sea and Norge have the work detailed below whilst Exlog-Samega in France operate a further 4-6 units and 2-3 consultants. As far as we can calculate this gives Exlog 30%-35% of the logging market in this part of the world and makes us the single largest logging company.

UNIT NO	SERVICE TYPE	RIG	CLIENT
UK			
81	Gemdas/Scan	KCA85	Mobil
80	Gemdas/Scan	Ninian Central	Chevron
82	Gemdas/Scan	Ninian North	Chevron
98	Gemdas	Piper	Occidental
114	Gemdas	Claymore	Occidental
259	Gemdas	High Seas Driller	Mobil
153	Gemdas	Henry Goodrich	Amoco (Ireland)
173 & 198	24 hr Gemdas	Brae 'B'	Marathon
197	Gemdas	DF96	Amoco
201	Gemdas	SF135	Occidental
202	Gemdas	Sea Explorer	BP
204	Gemdas	Kingsnorth UK	Occidental
34	24 hr Gemdas	Neddrill VII	Ranger
264	Gemdas	Arch Rowan	ARCO
265	Gemdas	Rowan Gorilla II	Amoco
269	Gemdas	Mr Mac	British Gas
270	Gemdas	Sedco 711	Britoil
272	Gemdas	Glomar Labrador 1	Amoco
512	Gemdas	Ocean Odyssey	ARCO
2021	Scan/Gemdas	Clyde Platform	Britoil

NORWAY

151	Gemdas	Dyvi Stena	Amoco (mid Aug start)
163	Gemdas	Transocean 8	Norsk Hydro
164	Gemdas	Gullfaks 'A'	Statoil
166	Gemdas	West Delta	Statoil
175	Gemdas	Polar Pioneer	Norsk Hydro
251	Gemdas	Deep Sea Bergen	Statoil
256	Gemdas	Ross Isle	Statoil
505	Gemdas	Treasure Scout	Gulf (early July)

CONSULTANCY

3 x WSPE	Shell Expro	1 x WSG	Marathon
1 x WSG	Shell Expro	2 x WSG	Kelt
1 or 2 WSG	British Gas	2-4 xWSG	Statoil Norway
1 x WSG	BP	2 x WSG	Chevron Norway
1 x WSG	Amoco	1 x WSG	Phillips

MWD

Deepsea Bergen, Norway

The volume of work above is in the order of twice the level it was at its worst at the end of 1986. The dayrates Exlog is able to obtain have also increased although not by quite the same margin. It is this significant increase in activity and dayrate which has now brought the company back into the black (albeit only slightly) and which promises to return it to acceptable margins by the end of this year. It is also this rapid increase in activity which has caused most of the current headaches and it is these which we need to solve as soon as possible. In particular we need to address:- Inventories, Trainees, Schools and a range of equipment improvements. Some of these can be addressed mainly by the office (e.g. increased schools) but most require your assistance (e.g. inventories). We particularly seek your assistance and suggestions on these subjects so that we can iron out the bottlenecks which have developed in these and other support functions.

2. Trainees

As everybody is only too aware, Exlog has recruited a signifiant number of new men in the past year. This of course is to handle the increased activity and it is very pleasant to be able to offer jobs instead of (as the older hands will remember) crating dole queues. The extra activity creates promotional possibilities at all levels but it also has its drawbacks. Quite obviously the average experience level of each crew has fallen and we need to do everything possible to make up for this by intensified training. More on training later.

One effect of the influx of new personnel has been outlined under "Inventories" below. There are many other problems which we need to solve and which partly fall to the unit managers and more senior geologists to handle. Of particular importance is the training of new men on the equipment. This means both regular servicing such that we avoid problems and also on troubleshooting problems when they occur such that they are fixed speedily and the downtime is minimised. There is more on equipment schools below but this is only part of the process. The other half is the passing on of experience by the more senior men.

3. **SPECS**

The SPECS system has, to an extent, lost some of its purpose. This is not an intentional move but understandably when promotion prospects were poor the need for the system was reduced. It is intended that the SPECS system will receive a major revamp before the end of 1988 and we would welcome any comments you may have on the subject.

4. **Schools**

As mentioned above under "Trainees", the need for a far greater number of in-house schools is obvious. To this end we have increased the size of training department and will be stepping up the number of Pressure and E-Log schools available. In addition, Mike Richardson has been moved from Field Engineering to an office position in Windsor and will be solely responsible for engineering training of both service engineers and geologists. We sincerely hope this extra emphasis on training will pay dividends in the quality of service and also in job satisfaction.

Below is a list of schools performed or about to be performed. Please call your appropriate supervisor to find out more information and when you can attend.

The actual dates should remain fixed. Hardware School dates will be available soon, once Mike Richardson has recovered from a defective part (appendicitis!).

OILFIELD FAMILIARISATION SCHOOL	04/07/88 - 15/07/88
	25/07/88 - 05/08/88
	15/08/88 - 26/08/88
	05/09/88 - 16/09/88
	03/10/88 - 14/10/88
FORMATION PRESSURE EVALUATION SCHOOL	25/07/88 - 28/07/88
	22/08/88 - 25/08/88
	13/09/88 - 16/09/88
	24/10/88 - 27/10/88
	15/11/88 - 18/11/88
BASIC WIRELINE LOG EVALUATION	18/07/88 - 22/07/88
	16/09/88 - 30/09/88
	31/10/88 - 04/11/88
HARDWARE SCHOOL	Dates to be advised

5. **Consultancy**

We are receiving, as expected, an increase in the number of senior field geologists who want to move into WSG and WSPE positions. The scope for this work is expanding with the other activity and certainly we feel that there should be a number of moves into consultancy in the next few months. It is unfortunately virtually impossible to predict exactly when as most of these come up at very short notice.

6. **Unit Manager Meetings**

Those of you who have been with Exlog since 19XX may remember that we used to run an annual meeting for all Unit Managers (then called TC's) to discuss the state of the art, information, complaints and any other subject

which was of general importance. These meetings used to cost the company something over £12,000 and naturally were shelved during the downturn. It is now intended to resurrect these meetings although on a somewhat different basis. Over the next few months we shall be holding what might be called "Mini Unit Manager Meetings" whereby groups of 10-12 Unit Managers at a time will meet with Management to discuss the more important problems and developments facing the company. We would hope these meetings will be a forum both for Management to advise the crews on the way the company is moving and also for these senior field geologists to make input on all aspects of the operation.

We earnestly request all field staff to consider which topics they would like discussed, make suggestings and contributions such that when the final agenda is drawn up it can reflect the wishes of the majority. We welcome all comment with the single provision that it be constructive comment.

7. The move of Corporate Office

Those of you with an ear to the ground may have heard that Exlog's corporate office has moved. Since the company was founded in 1952 it has been headquartered in Sacramento, California (commonly known as Sacto). As part of a consolidation by Baker Hughes, the great majority of B.H. divisions are combining their headquarters in Houston, Texas and Exlog is part of this move. Whilst the move will inevitably cause headaches in the short term, it should ultimately produce a more streamlined and efficient Corporate group helping us forward in particular with the development of new products and services.

8. Imminent upgrade of "Gemdas"

For those Gemdas Operators amongst you there is soon to be a major reshaping of the computer side of Gemdas. The old 2108 is an aging piece of equipment which has done us sterling service but has pretty well reached the end of it's life. From Autumn onward we will start to see the exchange of the 2108/OpCon/disk package for a PC based system. The effect will be dramatic both for the capability of the service and also for reliability. The PC will also permit a very much easier expansion of the service as refinements and improvements are made. More details will follow in due course and naturally also a series of PC conversion courses for the operators. For the longer term a completely new generation of computerised unit is now in the final development stage. If you have any pet hates or brilliant innovative ideas for an improvement to the current unit configuration there is still time to submit them for review. All suggestions (within reason) are gratefully received.

For this launch Exlog is currently developing it's marketing strategy. As part of this plan we are considering the possible introduction of a new name to replace GEMDAS which could differentiate between the two categories of equipment, software and services. You are invited therefore to submit suggestions as to what this name should be and **a prize of £100** will be awarded if your suggestion is utilised.

To assist in this task you may wish to note the following:

1. that GEMDAS stands for Geological and Engineering Monitoring and Aquisition (or Analysis) System

2. that the new unit/system will replace and enhance ELOS providing increased service integration and flexibility, computerised mudlog and vastly improved data presentation outputs.

3. that care should be taken to avoid names which mimic competitor systems (eg Advisor Units) or date our own system (eg GEMDAS 1988 would limit the effectiveness of the name in the mid and late 1990s).

Submissions to Jim Gillett please, in writing. Good luck!

9. Technical Assistance

We, the Technical Department, are here to help you provide the services our clients require as efficiently as possible. The personnel included in this department are as follows:

Aberdeen	**Position**	**Responsibility**
John Turvill	Technical Manager	
Simon Leary	Staff Geologist	Well Reports, Training, Projects
Simone Robertson	Technical Assistant	Well Reports
Andy Sentance	Staff Geologist	Field Support, Software, Training

Windsor	**Position**	**Responsibility**
Alastair Doyle	Snr. Staff Geologist	Training & Projects
Neal Weston	Staff Geologist	Well Reports & Training.

In addition to the routine production of Final Well Reports and general technical support, we plan to pursue a wide range of projects to improve the service you provide to our clients.

As part of this plan we are also actively seeking an additional Staff Geologist to be resident in Aberdeen and to share responsibility for Well Reports and work on a variety of projects. We will also have intermittent requirements for additional field staff on "secondment" for a week or two at a time. So, please let me know if you are interested.

We welcome input from any of you with problems, ideas or suggestions relating to any technical aspect of our services. Something in writing is worth much more than any amount of speech! In particular, I would like to draw your attention to the recently introduced Software Problem Report (SPR). Please use them for any software related subject and, if it makes life easier, use them for other feedback as well.

Finally, I would like to mention some of our current projects that we are looking for feedback on.

FINAL WELL REPORT FORMATS: For some time we have been working with our clients to improve the value of our Final Well Reports. As a result we now provide custom formats for several clients. We are now reviewing our standard FWR format and have various ideas for changes. Our aims are twofold: firstly to improve the presentation and value of the report and secondly to reduce the effort required to produce it. Please direct any comments to Simon Leary in Aberdeen.

SAMPLE PREPARATION IN OIL BASED MUD: We are evaluating the concept of a 'sample preparation station' that could be placed outside the unit when working with OBM. The basic requirement would seem to be a sink with

running base oil, rig wash etc. If you have any thoughts on the potential benefit of such a device or any suggestions on facilities or design considerations, please let me know.

COMPUTER AIDED CONSULTANTS: We are evaluating the potential benefits of a PC assisted consultant. If you are working as a consultant, we need your comments. If there are other consultants on your rig, we are interested in what, if anything, is being used.

FRACTURE GRADIENTS:

- Is the Daines' method working?
- When does it work/when doesn't it work?
- What are the constraints?
- Where are the possible errors?
- What alternatives are there?

I hope that the above gives you some idea of what we can potentially and are trying to do. We are here to help, so let me know what you need.

SECTION 2 - GENERAL INTEREST

The Cajun Experience

Having spent most of my oilfield life in Houston, Texas I was longing to experience a change and I had hopes of getting an international posting to any one of a dozen or so far away and exotic places.

It was in November of 1984 that I was called into my bosses office in the now old address at Kinghurst Drive. I had been in the Marketing group in Houston for over two years and I thought that this would be like any one of a hundred other meetings to discuss the day to day happenings of a salesman's job. I was caught off guard when my boss indicated that he had something special to talk about and I was ill at ease to hear that there was good news and bad news.

The good news was like music to my ears - my foreign assignment had come through. I was too excited to consider what the bad news could be and the first time he mentioned it, I was was so deep in thoughts of Singapore and London that I never heard the words. Then he said it again and my dreams of satay and Tiger beer on Orchard Road came tumbling to the ground. "We want you to go to Lafayette, Louisiana", he said sort of like it was the curse of the Pharoes being placed on my head, "and you've got three weeks to pack".

Although the time factor was somewhat short it didn't really bother me as I was ready for a change, but Lafayette hadn't really crossed my mind as a possible transfer location. In fact it wasn't even in the top ten. But I've always thought that every place you go is no more and no less than what you make of it so I became determined to make it into a fun place to live and work in.

The bad press given to Lafayette over the years comes from its hot, humid summers, six months of hurricane season and its inaccessibility. However, these few negatives are heavily outweighed by the great food, incredible sports enthusiasm and summers full of sunshine.

Being situated on a relatively high spot in the coastal bayous of Louisiana, Lafayette lies on the same latitude as Cairo and Delhi; so you

can imagine what the weather is like. The heat and humidity combine to produce a sub tropical climate which supports an incredibly vast and varied wildlife. Boating, fishing and hunting continue year round as seasons for salt and freshwater fishing, deer, duck and dove hunting, shrimping, crabbing and craw fishing (mud bugs) go in and out. Many of the golf courses have alligators in the water hazards some reaching up to ten feet in length. American football, both professional and on a collegiate level, maintains its historical importance amongst the people of the area. But perhaps the most fascinating aspect of Lafayette is the history of the people who settled in such a harsh environment. Although the Spanish were the first Europeans to discover the area it was the French who colonised it and more specifically the French Canadians (Acadiens now Cajuns) who settled in Lafayette. Because the area was so inhospitable the Cajuns were able to retain their cultural heritage without having it diluted with successive waves of immigration. In fact even today people are born and raised in some remote areas speaking only their native old world French.

Lafayette is the centre of the Cajun culture as can be seen by the many different activities held in and around the town. Festivals of all shapes and sizes are commonplace and focus mostly on the important agricultural commodities of the area. Cajuns are willing to celebrate just about anything and every year you can attend their rice, sugarcane, boudis (sausage), shrimp, crab, frog, mosquito and other fairs. Of course all of these pale in comparison with Mardis Gras which is held virtually state wide in Louisiana, culminating on Bourbon Street in New Orleans.

From Exlog's point of view we have maintained an office in Lafayette since the late 1970s. Like the oilfield itself our presence in the area has changed over the years. At this time we have a single man based in Lafayette (Steve Renne) to cover the strong engineering activity of virtually every major operator. Although most of the geological groups within our clients are based in Houston and New Orleans there are several noteable companies who are committed to maintaining geological staffs in Lafayette including Tenneco, ARCO, Conoco, Chevron and Marathon. In fact some of the more interesting and difficult projects on which Exlog has been asked to provide services for come out of he Lafayette area. Our crews logged 60,000 feet of carbonate hole for Tenneco in just three wells, one of which was drilled to 25,000 ft, still the deepest offshore well in the Gulf of Mexico. We logged two 22,000 foot wells simultaneously for ARCO in the heart of the Mississippi Delta from inland drilling barges.

I can honestly say that I really enjoyed living and working in Lafayette. It was a fascinating place to experience and my years there were as fulfilling as any assignment could be. Now that my foreign transfer has really come through I feel like I'm leaving Lafayette with some regrets, but then I have a pint and it goes away!!!!!

SECTION 3 - SERIOUS NOTES FOR YOU TO CONSIDER

1. Inventories

With the greatly increased number of units now operating it is clear that inventories will take longer to turn around. We are of course expanding the stores capability but this takes time and in the interim extra care is needed at your end. It is clear that with the influx of new recruits to the field, some of the rules and procedures for completing inventories are not being passed on. The whole inventory form will shortly be redrafted but even this will not help if the form is not correctly filled in. The instructions of how to complete it are on the front. If this format alone

were religiously adhered to we could probably shave a week off turnaround time. It is also clear that many units are not going right through each drawer to record "stock on hand" and hence "amount required". It appears to be done on a memory basis and a quick look. Of course this generates a couple of emergency handcarries next week which then flood the system and slow down all the real inventories. The paperwork for a "quick handcarry" is virtually the same as for a full inventory and hence if each unit has just one of them we have immediately doubled the workload. Please ensure that your inventory is comprehensive when it is due and that therefore further requests are avoided.

2. **Timesheets**

The processing of timesheets in Windsor usually takes about 10 days from the date of receipt. In order that they can be forwarded to Jersey for payment on time it is essential that they arrive in Windsor as early in the month as possible. All timesheets are paid on the first day after the 25th of the month if received promptly and further delays can always affect the timesheet which arrives late in the office and misses the main courier shipment to Jersey.

Many items on the timesheets, particularly travel and hotel expenses can be re-billed to clients, so please keep them tidy!

3. **Use of Safety Equipment**

One of our mudloggers recently received a head injury on the Polar Pioneer and had to be evacuated to shore for rest and further treatment. The area in which the accident occurred was an enclosed section of the rig, but was still a compulsory hard hat area. The employee was not wearing a hard hat.

We want to stress the importance to all employees of the correct use of hard hats and safety boots. Exlog generally has an excellent safety record but the level of accidents has in fact significantly increased in Norway from zero to three accidents in the last twelve months. It is important to us as a Company, for the safety of our employees and safety records of our clients that we do what we can to ensure improvements in this area.

Please help us to achieve this goal by correctly using safety clothing in the appropriate area. If you are not clear on required safety clothing in the different areas of the rig, please ensure you find out at a rig safety meeting, or from the Drilling Contractor's Toolpusher.

4. **Intruders in the Unit**

All 3rd party intruders to the Exlog unit, who wish to set up equipment, should be advised that clearance must be obtained from Exlog Management.

5. **Purchase of Baker Hughes Stock 1988/9**

For those unaware of the option, all employees of any Baker Hughes company have the option to purchase the stock at a concessionary rate. All employees have recently had application forms sent to them. If you have not received your package and you are interested please contact your local office.

REGIONAL NEWSLETTER

OCTOBER/NOVEMBER 1988

EUROPE,AFRICA,MIDDLE-EAST

WITH FABULOUS
£50
PRIZE
CASH CROSSWORD

TRAINING

TRAINING SCHOOLS

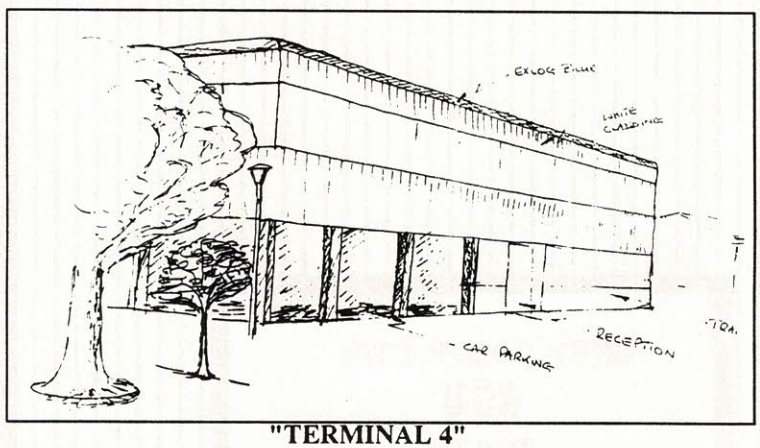
Since May we've run 5 OFF schools and taken on over 100 trainees, run 7 pressure schools, 2 wireline schools and 7 client schools, in addition to all the necessary interviewing. There has also been an increased demand for specially designed client courses. In order to cope with the increased work-load **Martin Saunders** (Training and Recruitment Supervisor) has been able to enlist the help of **Stuart Boyd** and a number of others. **John Woodwards** (PE) has been working on a new manual and course for Shell, as has **Mike Saunders** (WSG) - no relation-who has since accepted a position as Training Superintendent, working with Martin.. **John Vancura** sacrificed some of his leave to run two Petroleum Engineering schools ; assisted by **Seamus Breeze** .

NEW OFFICES

THE NEW BUILDING

After two years which have seen EL Services move from two buildings (1&2) into one building (2) into one and a half buildings (2 & 3a) later moving down into one room of 3 (the infamous "pig-pen") and then spreading to occupy the whole ground floor of 3, it now looks as if the end is in sight. Even as you read "Terminal Four", as it is already known, is well on the way to completion.

It will greatly reduce the amount of confusion and wasted time generated by having office staff continually walking between buildings. The new facility will house reception, administration, personnel and technical staff, and for the first time in a few years, a dedicated set of training rooms (engineering and geological) with hardware and library services.



"TERMINAL 4"

In addition to the EXLOG personnel there will be office space allocated to other Baker-Hughes divisional staff, reflecting the increased co-operation between the different divisions.It is viewed as a welcome move from all perspectives including that of field staff , because of its renewed commitment to training. The latest occupation date is January 15th 1989.

TRAVELLING

TRAVEL

Some people still don't realise that you can often buy a rail ticket that **includes** your underground fare through London,

and saves you queueing for one when you arrive. It also reduces the number of receipts and saves a little money. On the subject of receipts: there can't be many of you now who don't know that BR have fancy new ticket machines which will give you a receipt in a second. Don't labour under the misapprehension that to ask for a receipt is to spent fifteen minutes frustrating the queue, while the clerk inscribes a memorial receipt.

HOME EARLY?

END OF JOB

Don't forget to ring in and tell us. It looks bad if the client rings and we don't know where you are. It also prevents mistakes like shipping goods to locked units. You may miss out on training places, better jobs (you might find yourself the only person available to go to the Seychelles) and we will need to debrief you. Also bear in mind that if you're stony broke and keen to work that more gainful employment could be found for you if you ask. Although we hold equal time to be the norm if you *want* to work and it doesn't conflict with anything else, then you often can.

SAFETY TRAINING

SAFETY AT WORK

Safety training is moving on apace, with most new trainees being sent on part 1 within their first month of employment (those destined for Norway get Parts 1 & 3 immediately). It is in all our interests that you are made fully aware of the potential risks and trained accordingly. Those of you who are about to attend a school and are feeling flabby and slothful might consider a bit of preliminary exercise a good idea. It's all good clean fun. If you can't swim then please learn the basics, it's in your own interest. If you've been trained but become a little blase about safety recently then maybe now is the time to refresh those parts that may not reach the lifeboat. Don't forget that for work in some sectors you'll need safety refreshers. Danish regulations require one every two years for Part 1 . If your safety certificates are due for renewal please let James or Simon know ***before*** you get turned back at the Heliport.

NEW FACES

COMINGS

Since the last letter we've taken on a lot of new people. Please welcome them into the team and help them to overcome any initial misgivings about rig life. If they seem to lack motivation it may be a reflection on you and your crew . Teach them; the more they know the more involved they'll feel. When was the last time **you** read "Mudlogging Principles and Interpretations"?

We would like to take this opportunity to welcome:-
Simon Cooper, Chris Platt, James Porter, Martin Armstrong,

Simon Cooper, Chris Platt, James Porter, Martin Armstrong, Geoff de Jong, Simon Compton, Angus Best, Dawn Scott, Steve Bahan, Terje Pedersen, Trude Kvarekval, Magne Tillung, Jonny Haugen, Arne Matheusen, Ketil Indeberg, Paulo Clerici, Maurizio Vaccaro, Stefano Simoni, Andrea Cassazza, Ian Lockie, Andrew Garne, Paul Hutchinson, Robert Newbould, Jonathan Tanner, Mathew Schofield, Neil Turner, Stephen Hayhurst, Stephen Johnson, Craig Martin, J. Liam Anton, Julian Asker, Geoff Blackwell, Lee Bray, Michael Cartwright, Andrew Collings, David Cotterall, Mark Covill, Mark Dalton, Peter Davis, Nicholas Edwards, Neil Goldsmith, Torje Halle, Stuart Holmes, S.Andrew Jeffrey, Charles Mather, Stephen Miller, Phillip Rees, Craig Rowney, James Thomson, Ashley Wainwright, James Witham, Pablo Polanco, Juan Carlos Pumarega, David Bradley, Kevin Bellman, J.Charles Bradley, Mark Briggs, Stephen Clarke, Simon Crookes, Andrew Day, NIgel Deeks, Bruce Farrer, Richard Fifield, Carlton Freeman, David George, Chris Jones, James Jordan, Adam Kosior, Marcus Ridgway, Nancy Sheridan, Erik Scarsboe, Alan Sparks, Ben Tolhurst, Robert Trythall, Robert Westcott, Malcolm Whyte., Andrew Bannister, Dominic De H.Bell, Miguel Euwe, Matthew Jennings, Chris Jones, Darren Jones, Gavin Meikle, Christian Melton, P.Rod Murray, Peter Olding, Ian Purves, Christian Rusden, Jon Train, Mark Vickers, Marcus Wilson, Geoff Wright, Paul Yendell.

This list only covers those who were on schools after July 1st 1988.

GOINGS

OLD FACES

It must be that time of year. Since the last Newsletter we have to report the departure of :-

Karen Rassell (Travel Specialist) Windsor. - a familiar voice to countless dozens of loggers travelling to distant and not so distant places for over nine years. Karen has joined TNT in Windsor.

John Turvill (Technical Manager) Aberdeen

Paddy Keenan , Houston

Congratulations must go to **Dave Wallis** (Senior Manager) in Windsor for being chosen by Baker-Hughes to become the General Manager - Sales of Baker Performance Chemicals in Middlesborough. The company manufactures specialized additives for the downstream petrochemical industry. Dave has been a manager in the Windsor office for over fifteen years. He started his new assignment in October. Dave goes with the congratulations and good wishes of the whole company.

All this movement shows that the oil industry (service side) is cautiously expanding and that the prospects for movement by our personnel within the Baker Hughes group and the industry as a whole have never looked better.

MORE NEW FACES (and RECENT PROMOTIONS)

Ralph Steen , has been promoted to Technical Supervisor, and has been joined by **James Tidey** (Personnel Superintendent).

Ralph will be working with **Martin Ellins** who, has arrived from the Hague to take on the European side of Dave Wallis's area of operations. Martin will be replaced in the Hague by **Martyn Johnson**. Another new office position in Great Yarmouth has been filled by **David "Dai" Becker** (Field Superintendent). Movements in the training department have already been mentioned. Many of you will have seen our recent advertisement in The Daily Telegraph. for a Regional Personnel Manager to be based in Windsor**. Mike Nicholson**, will shortly be leaving *Bechtel* to take up the appointment. **Sue Morley** has begun work as Karen's direct successor. In Aberdeen **Ian Goodenough** is working as Staff Geologist. **Peter Kirton** will shortly be relocating to Windsor.

FRACTURE GRADIENT

FEEDBACK

Since John Turvill wont be around to receive them, anybody who has any pertinent observations on Fracture Gradient or any other pressure method might like to send them to **Mike Saunders**, on whose behalf John made the original request. The training department is always keen to know what <u>really</u> happens. Mike is still collecting material for the *Almanack II* despite the advice of his doctor. So please continue to send in the (high standard) material. Nobody has yet claimed the whisky. Mike would also like to take this opportunity to apologise for not acknowledging receipt of your excellent contributions yet.

TRAINING SCHOOLS

SCHOOLS

In addition to those schools run by Martin and Mike there will be weekly Hardware Schools. These will be organised by Mike Richardson (Training Engineer). Please contact Mike R., Simon, James, Martin, Mike, or Wendy for further details.

21st CENTURY LOGGING

Amoco ADF Comes to Norway, on the *Dyvi Stena*

For those in the know, ADF stands for Amoco's Advanced Drilling Facility, and is an evolution of Amoco's Critical Drilling Facility (CDF) previously used in Canada, Alaska and Trinidad. The concept involves transmitting well information directly back to a central facility which is able to call upon expert staff in Amoco's corporate facility in Tulsa, which has powerful computer simulation capabilities!

This process gives Amoco in Tulsa the capability to monitor rig operations via a satellite link which carries video pictures of the rig, voice links and teleconferencing, data from service contractors, and facsimile . The data in Tulsa are used to enable corporate to advise and assist Amoco Norway in the efficient drilling of their well.

Exlog's involvement is threefold; firstly the Gemdas unit Unit 151 acts as a central focus for sensor data, both from regular Gemdas sensors and other contractors. This data is then reformatted into an Amoco format, an implementation of the new industry wide standard for rig site data, ITS (International Transfer Standard). The information stream is directed to the Exlog ADF unit on the rig, where the ADF technicians from Exlog in Houston (Dave Kulyk, Rick Brown, Reginald Glenn, Raleigh Major and Lee Grover) mix it with video signals from their video cameras on the rig floor, moon-pool and shaker house, and the voice, fax and teleconference links. The data stream is then sent by microwave to Amoco's *Valhall* platform where it enters the Norwegian PTT communications network and is transmitted by satellite to Tulsa.

In Tulsa this information is displayed on the Amoco computer system by the Exlog watch-technicians, who work with the Amoco drilling specialists running computer simulations and feeding advice back to the rig.

The Exlog Gemdas unit crew have been augmented by Harold Grayson, a veteran of previous ADF jobs, and he is supported by Vilda Kuby.

Amoco are about to commence a second well, which will be a deep Jurassic test following a first shakedown well.

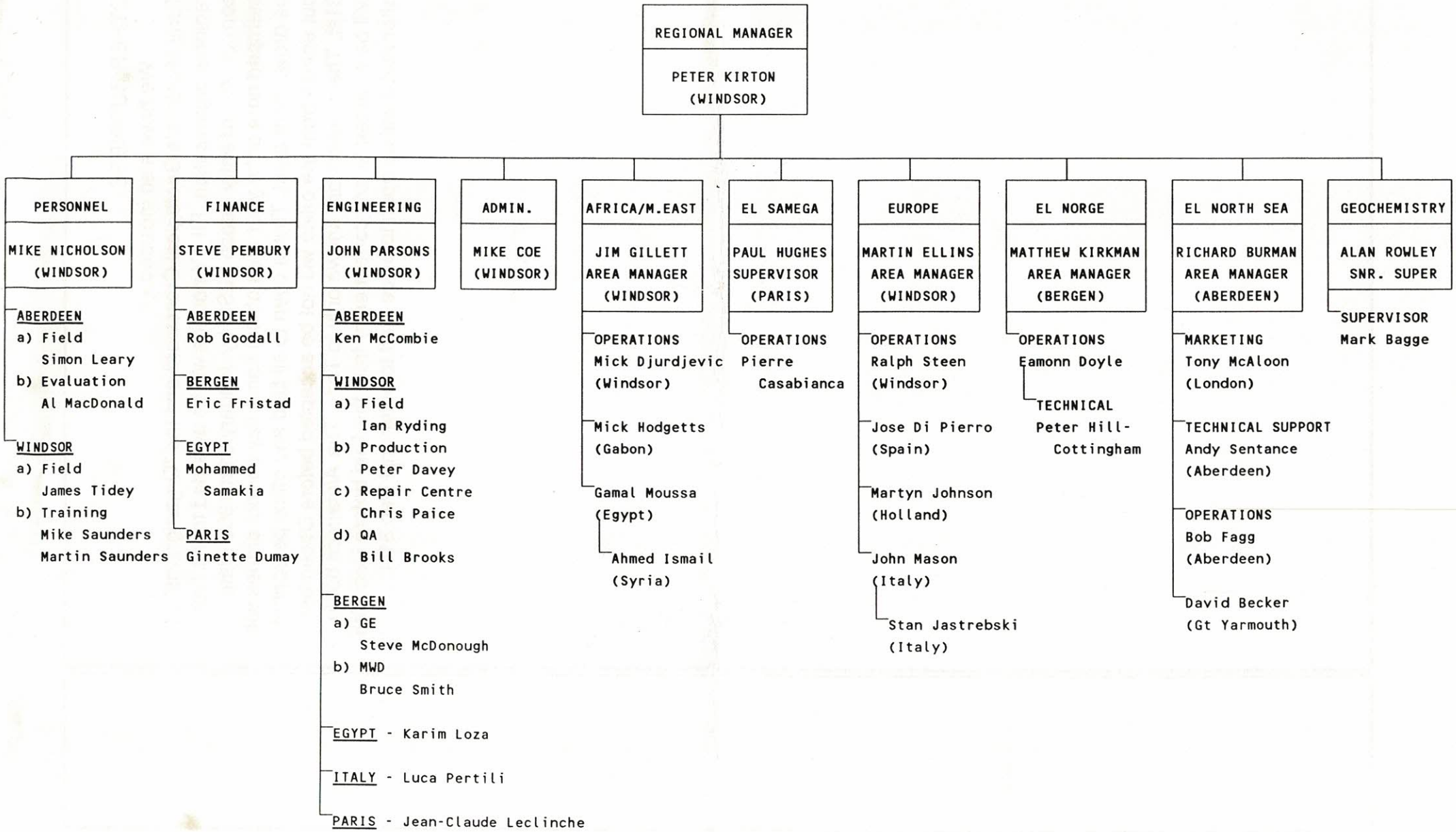
OTHER BUSINESS

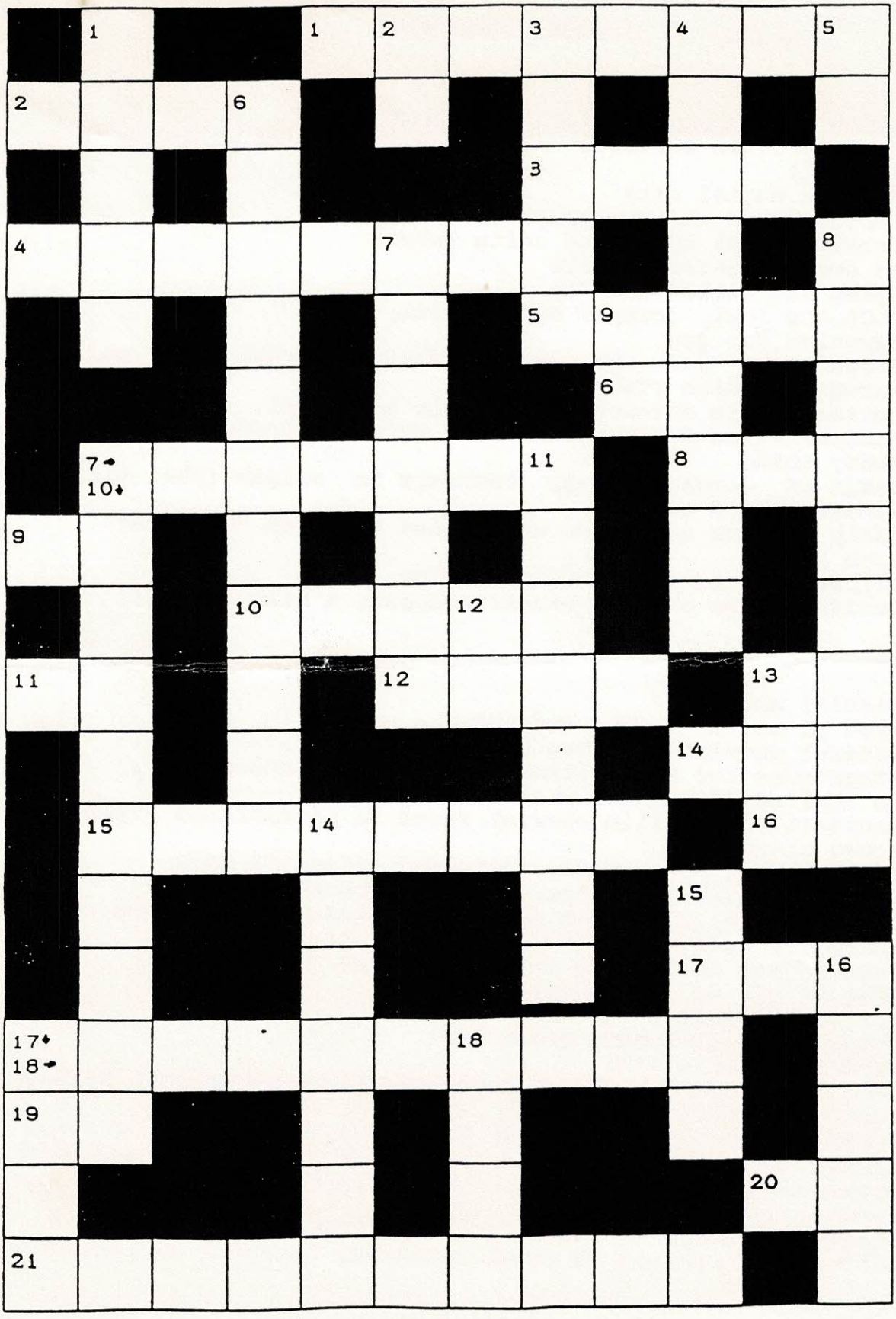
We have also included:-

Tony McAloon's Geological Crossword and the "Organigrams" of regional organisation. FIFTY pounds will be awarded to the first correct Xword entry reach ELSL by January 31st 1989 (date stamped here or by your area office) same day correct entries will be drawn from a hat. This is open to all field and office personnel; but entries from the office will not be accepted before December 31st. The answers are known only to Tony. The *Almanack* bottle will be awarded to any correct entry from the field before Dec 20th, after that it will be open to office staff to enter until Dec 31st.

EUROPE/AFRICA/MIDDLE EAST REGION

OCTOBER 1988 ORGANISATION CHART




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CROSSWORD PUZZLE

Down

1) Straight, rectangular, regular (prefix)
2) Hard brittle metallic element occuring in platinum ores (symbol)
3) Ancient burial site
4) Fabric found in conglomerates
5) International system of units (abbr)
6) An oversaturated syenite
7) Weiss and Miller had one
8) $CuCL_2 3Cu(OH)_2$ (copper ore mineral)
9) Egyptian sun god
10) Stage name for the north American equivalent of the European Ludian (Tertiery)
11) Pertaining to absolute changes in sea level.
12) Abbbreviation for New York Sate offshore feature
13) Muddy thing
14) Basin of deposition <u>not</u> tectonic in origin (the old red sandstone was one)
15) Early British anatomist who coined the term "dinosaur"
16) Vugh like
17) Valley with an intermittent stream
18) Residual mass of rock usually capping a hill (Plural)

Across

1) Glacial mounds
2) Type of stone, pyrite and age
3) Lateral prominance above the hinge of a bivalve shell
4) Stage name for the British mid lower pleistocene
5) As applied to the movement of continents
6) Radioactive metallic element found in pitchblends (Symbol)
7) Brown tourmaline
8) The apparent path of movement by a celestial body
9) There's yellow and white, but never enough (symbol)
10) British unit of weight for coal equal to 21.2 long tons; Ammonites have one (plural)
11) Suffix used in forming ordinal numbers
12) Area of dig or collection
13) 1.7724538 squared
14) Every field geologist needs one
15) Montmorillonite clay
16) Semi metallic element associated with skiing and mining town in Colorado (symbol)
17) Residual Deposit of hydrated manganese oxides (earthy mass)
18) Crude, generic term for a poorly sorted and graded arenaceous sediment mostly lithic in nature
19) Synonym for yearly (abbr)
20) Singular Synonym of Esker; mountain ridge
21) Line joining points of equal intensity of shock reflection