



Utility Monitoring Central Archive

Note that the UMC Archive files mainly cover defunct stations. Some stations may however still be active and some of the info may still be valid.

Oil Companies on HF

The following companies are covered in this document:

Fina Oil, Congo

Conoco Oil, Nigeria

Jebel Ali, Gulf of Suez

Hess Oil, Nigeria

LASMO Oil "Ganfuda", Libya

Noble Drilling, Nigeria

PETROJET/GUPCO, Gulf of Suez

PETROM, Black Sea & Caspian Sea

Santa Fe Oil, Nigeria

NPCC "Waffa" , Gulf of Suez and India

FINA OIL, CONGO

Last update: 29/Dec/97

Transmission Modes: SITOR-A 100bd 170Hz**Reported Frequencies:** 18198.4**Language:** English**Reported Callsigns:** Lubumbashi
Kinle

CONOCO OIL, Nigeria

Last Update: 01/Jan/2002

Transmission Mode: SITOR-A 100bd Inverse 200Hz**Logged Frequencies:** 6646.3 6685.5**Notes on Operation:**

- [SAT][SUN]
- Language: English
- Typical oil company network connecting shore stations and operational centres to rigs.
- Network shown many similarities with other (Hess Oil) Nigerian network on 8012.63kHz which also uses a messaging system known as "paktel".
- Paktel is recognizable by the use of "/" and "~" formatting codes inserted between various important components of messages such as the headers. It is a very flexible system allowing access to a remote computer's disk drive, sending and receipt of files between computers, e-mail and so on. Plain-text messages are also sent.

Selcal Location

CONA Conoco Operations, Lagos

CONE Conoco Rig
Conoco Operations, Warri

CONL Conoco HQ, Lagos

JULI Bella Production Field

Sample Message Formats:**Example 1: Directory listing retrieved from remote site**

```
/5connected to: conoco lagos
/5connected to: conoco rig /72/51
$/5=== d=o=f c:/7)/5paktel
tship.txt dlv m/7ar /58 97 19:59 2840
/5tripstow.txt t/7hu /5~/7~~4 /513 97 ~ 14:35 689
/5mar19rep.aft w/7ed /5m/7ar /519 97 17:48 753
/5joeey f/7ri /5m/7ar /514 97 16:02 176
/5ad9-los.007 w/7ed /5m/7ar /519 97 19:47 0
/5fw816-61.txt s/7at /5m/7ar /58 97 19:42 1440
/5mar20rep.mor t/7hu /5m/7ar /520 97 09:16 603
/5fwwarrib.txt dlv m/7a~/518 97 17:21 881
/572hr0319 ~ w/7ed /5m/7ar /519 97 1~:15 1747
/5fwmarch2.txt f/7ri /5m/7ar /521 97 10:2~ 1311
/5ad9-los.008 t/7hu /5m/7ar /520 97 14:47 1288
/5mar21rp.mor f/7ri /5m/7ar /521 97 08:14 699
/5001 f~~~ /5m/7ar /521 97 1~:05 379
/52303.zip s/7un /5m/7ar /523 97 17:18 10427
/523mar97.zip s/7un /~~~/7ar /523 97 17:18 2808
/5readme.zip s/7un /5m/7ar /5~~~ 97 17:19 555
/523mar97.wp s/7un /5m/7ar /523 97 13:16 6856
~~~303.wp s/7un /5m/7ar /523 97 16:56 32654
/5readme.wp s/7un /5m/7ar /523 97 16:59 605
/5e/7nd of directory listing matching /5c:/7)/5paktel/7)6/5./76
~/5+?@
```

Example 2: Typical daiy report to HQ Lagos

i juli juli juli juli juli juli juli jul uliju juli juli j uli jul g i uli juli j liju
conl conl co l conl co l conl conl eonlconl conl conl conl conl conl
01-january,-02 06:32

to xxx lagos
cc : chairman conoil lagos
cc : m.d. conoil lagos
cc : gmdrg conoil lagos

from : a.g &. prod. suprv. belbop mr.xxx
date : 01-02 (file.jan.01)
subj : production figures for 31-12 -01

====

aa: total crude inje ted for 31-12-01 = 2,753.6 bbls (0600hrs 31-12-01 to 0 00hrs 01-0 -02).
bb: :7..7)-58=3 injection as t 0600hrs 01-02 = 14,204,746.0 bbls
cc: cu mulative meter reading = 80 807001.8 (meter-2)
dd: bs and w from m sample taken = 0.3 percent
ee: api gravity = 32.6 at 82 degs. fa enheit
ff: api gravity at 60/60 = 30.9
gg: aver ge line temper ture = 130 degrees renheit.

regards,
xxx

transmitted by
xxx
prod bella field
01-jan-02 06:33

this is wilbros update as at this the e telex nee d to be shut down for some urs to allow free trfc flow.

for wilbros: as at 0600hrs
making genera l preparations to to o commence laying today el ectricians are also aking electrica
connections also working xxxxx job on pip and pump wor s are on going. and fixing braces o t e fence.

ops file no. pet.484 water - 18,204.0 us g lons
all other ops psops remain s sn s ame.
pls delete the re emarks of yesterday - no emark for odtoday.
put wilbros remark on your s only

trans itted by by
xxx
prod-1 bella field
01-jan-02 pycre

hw hw copy...01-janja jan-02 06:43+?
lik l juli j li j uli 2 7)8 juli juli bj d j a q /2- a ha h
h ah yrly plse+?

JEBEL ALI OIL OPERATIONS, QATAR/GULF

Last update: 06/Jan/97

Transmission Modes: SITOR-A 100bd/170Hz Erect
USB Voice**Logged Frequencies:** 4112.8**Reported Frequencies:** 4150.0 8576.8**Notes on Operation:**

- [SAT][SUN]
- Language: English
- Typical Gulf oilfield supply and servicing operation with daily status, marine spread, time accounting and weather forecast messages.
- This network has been known about for some time, and appears to be operated by the QGPC (Qatar Gulf Petroleum Co) based in Doha, Qatar and serves mainly the Al Shaheen oilfield off Qatar. The radio switching centre is in Jebel Ali, UAE. Like the "Waffa" network, DB27 continues to mask its precise identity through the use of coded names like DB27, DB327, DB801 and WM7.
- Met reports for Caspian Sea recently received on a dialy basis. These are prepared by "The Met Office G.E.O.S Singapore Forecast Office".
- Oil platforms serviced include Maersk's "Viking", Noble Drilling's "Gus Androes" and DMS's "Venture", with a flotilla of about a dozen ships involved in day-to-day operations.

Stations:

		Selcal	No.	Location
DB27	Rig?	XOPP	11455	DB27 Rig?
DB327	Rig?	XDCK	11863	Jebel Ali Radio Room Jebel Ali?
DB801	Rig?	PRFS	15689	DB801 Rig
WF7	Rig Wimbrown 7?	FCFX		
Jebel Ali Radio Room	Jebel Ali	EPGS		
DMS Venture	Rig	XDYS	11879	Receives Met Reports for Caspian
Maersk Viking	Rig	Sea		

Vessels

Vessels	Type
Gus Andros	Oil Rig
DMS Venture	Oil Rig
Maersk Viking	Oil Rig
MZ-107	
Majed	Tow Tug
CBL-102	Cargo Barge
CB-17	Cargo Barge
Gulf Battler	
J H M Callias	
Miriam Tide	
Falcon	

Dictionary:

al shaheen 'a'	Al Shaheen Oilfield
al shaheen 'aa'	Al Shaheen Oilfield
al shaheen 'ab'	Al Shaheen Oilfield
wimbrown vii (WM7?)	
qnntc, doha	
q.g.p.c, doha	Qatar Gulf Petroleum Co?,
Doha	
doha port	
mee(m)l	British Company

Sample message:

ppxopp xopp xopp xopp xopp opp xopp xopp xopp xopp xopp xopp xopp xopp xopp
xopp xopp xopp xopp xopp xo xopp xopp xopp xopp xopp xopp xopp xopp xopp
xopp xopp xopp xopp xopp xo tq rlxadck gm c i f ..

vikas m xxx here

stby onz weather

nw p wp oaww kts

o eat \$ +?

vikas... is the h m callai at the s location d qgo m nw of db801.

+?

pls check with 80 .. +?

ce day...

tha ks ik . di not see your brot er a v et... d

s ill like to talk to him...

+?

rr wi give u call for h m callais.. +?

with vinay...they ar with th db801 spread mmsorry i f rg t about it..= ? thanks v kas u ave a nic day...

7 (ppxopp miriam tidqt x +? m rp x t l v l s hee f e cb zbil in ield.p prfs p prs v f p fs pspr
fsprfs rfs pr s p s pr s prfs prfs p efs sty lprfs prfs l jgggn z gbzywsc mwb

date january , 1996

telex no.: d 7/01 044

(59 xxx -j/ali

fm xxx -db-27

cc xx -db-27

:det xxx -db-27

:xxx-j/ali

sub :summary of miriam tide progr ss dated 01/04/96

1) stand y for weather to start remaining survey lookahead for thb next 24 hrs depending on weather:

1) be rn is as)5 3: 9-sounder vey of a-b pipeline.

2) complete re aemaining as-built rov survey of a-b pipel e 3) take fixes of sp s at 'b' location using rov

regards

xxx

end

hc ? pls correct datr date in tl +?

HESS OIL, LAGOS, PORT HARCOURT

Last update: 11/Jan/97

Transmission Modes: SITOR-A 100bd Inverted 200Hz

Logged Frequencies: 8012.63

Notes on Operation:

- [SAT][SUN]
- Language: English
- Oil servicing and supply network operating in a number of Nigerian locations including Lagos, Port Harcourt and Warri.
- Operator, Hess Oil, identified by "hesnl" or "hessnl".
- Operators frequently refer to "pactel", the commercial messaging system in use. Pactel is recognizable by the use of "/7" and "/5" formatting codes inserted between various important components of messages such as the headers. It is a very flexible system allowing access to a remote computer's disk drive, sending and receipt of files between computers, e-mail and so on.
- Stations selcal using HNIx series selcals, and receive connect acknowledgement as:
- /~/5~/connected to: hesnl phc
- Messages transferred successfully result in a message like
- /5r/7received xtsdd-war.004 /7at remote site
- Locations mentioned in status reports are those known to indicate Nigerian oil and gas reserves eg UBIT-62i

Selcal Location

HNIA	hesnl phc
HNIB	
HNIC	hess nl lagos
HNID	
HNIE	
HNIG	hesnl warri
HNII	
HNIJ	

Dictionary:

Lagos	Nigerian capital
Pointe Noire	
Brazzaville	
PHC	Port Harcourt
Mobil	Mobil Oil Co.
???	llard Bay
Granstaff	
pactel	Messaging system name
rrw	Nigerian town?
Warri	Nigerian town
Shell	Shell Oil Co.

Sample Message Formats:

Example 1: Typical message sent on network

t/7o/5: xxx- phc
f/7rom/5:~ :ar~///xxx - lagos
d/7ate/~~~~ ~5/7hu /50~ j/7~~~~~597~/7~7?22/5: arrival
/7666~~~~6666
/5please arran~ oo pi~k ~a~ques mesropian who is arriving wit~ ~qst ~h~ater flight, acn from lagos on
friday 1~~~~~0th j~ ~n~, 1997. he is a new man.
rega~ds~

/7~/5e~~ uz
/nnnn
/5/e/5+?

Example 2: Morning Report Message to Lagos from location UBIT-62i

km xxx staff
xtslg-los.001~124 1235
/5to : xxx lagos.
from: xxx
date~: s/7at /508 m/7ar /597
subj: morning report.

6 mar 1997.
0000 working on ssscv on ubit 62-i.
1000 ssscv fixed. load slickline equip back on l.granstaff.
1130 jacked down. move awa~ from ubit i. head for ubit-c.
1230 preloading at ubit-c. check new sonar system on board.
1700 jacked up . shut in ubit 73-c~c. begin rigging ~ up ct on ubit 73-c.
2100 ~ press. test ct, master valve and wing ~lve.
2115 ~ih ct.
2300 begin rig up ste lines to 73-c.
2345 ct at 8100 ft. max logging depth. pooh.

7 mar 1997
0115 ct at surface.
0200 inj. head rigged down. make up surface lines to well he~d.
0500 press~ test lin~.
0530 rig up logging tools.
0800 pick up inj. head.
0845 m//u ct to logging tools.
0900 rih w// tools.
0900 – 0000 logging.

forecast:

8 mar 1997: should be finished loggin~ on 73-c this afternoon. some pressure survey work ~to do on ubit
13-c. should be finished sunday p.m. backloed all equip on board and rec. equip~. for ata-01, 04
abandoments. should be moving to ata monday morning.
regards xxx

/5/e/5+?qmg~a~~~~~a ~ia hnia hnia hnia hni~ hnia hnia ~~~jqh~~iahnia

LASMO OIL, LIBYA

Last update: 15/Mar/97

Transmission Modes: SITOR-A 100bd Erect 170Hz
PacTOR-1 200bd 200Hz UNID sub-mode
USB Voice

Logged Frequencies: 7908.0 7909.7

Reported Frequencies: 10639.7

Notes on Operation:

- [SAT][SUN]
- Language: English, (Italian and German seldom)
- Highly active network operated by as yet unknown seismic survey company connecting four sites with offices in Tripoli, and known by the code-word used by one station in particular "ganfuda". Identified sites are all situated in a desert area 400km SSE Benghazi, Libya.
- Traffic on SITOR amounts to routine operator chatter interspersed with more formal messages denoting supplies requests, daily reports, timesheets, and other matters. Operators occasionally make contact using USB before returning to SITOR.
- Call-up of sites is by standard selcal mechanism.
- Work is being carried out for both Agip and Repsol, the Italian and Spanish oil concerns.
- Supplies are sourced from Jebel Ali (UAE), Gatwick (UK) and another store in Sicily. Other offices appear to be located in Germany and the UK.
- Talks between Agip and Tripoli continue regarding the development of Bouri's gas reserves and construction of an underwater pipeline to Sicily. Tripoli put a new natural liquid gas (LNG) extracting unit with a 3,500 bpd capacity into service late in 1994 on the Bou Attifel gas field with Agip as operator. Agip continues to build up its Libyan oil production in the hope of reaching about 400,000 bpd by the end of the decade. It is also pushing ahead with exploration.

Selcal	Number	Location
TRIP		Tripoli office
GANF		Ganfuda, "philip rowe"
MMMM	4444	"seismic 4", operator "peter harvey"
QQQQ	2222	"seismic 2", operator "hugh j wheeler, pc s2"
KKKK	3333	"seismic 3", operator "elmoktar"
		"seismic 3", operator "boff"
XXXX	1111	"seismic 1"?
KKKX	3331	

Locations:

Ganfuda Unknown location (assumed anglicised Arabic name)
Djerba Island of Jerba, 200km S Tunis, Tunisia
Nafooza, Nafoora An Nafurah, Libya
Giallo Wahad Jalu, Libya
Jebel Ali Jebel Ali, UAE
Dsabha
Gadamis Lab Office
Misurata
Adjedabiya

Telephone Numbers: 4834675 and 4834676

Dictionary:

s1 Seismic 1
s2 Seismic 2
s3 Seismic 3
s4 Seismic 4
t.o. Tripoli Office

Companies Serviced:

Agip
Repsol Inco AG
Agip N.A.M. Geco-Prakla
Agip N.A.M.E Ltd

Sample message: Typical production report

trip trip trip trip trip trip trip trip trip trip trip trip trip
qqqq qqqq qqqq qqqq qqqq qqqq qqqq qqqq qqqq qqqq qqqq qqqq

to: office tripoli
from: s2/h.j.w.

date: 25/10/96 at 17:30

=====

revised production report

=====

prod. 24/10/96 agip, nc 179

recording:

line : 17

from vp : 9664 line 17 completed

to vp : 1789

vps recorded : 126

skipped : 0

total vp : 126

~1.vp ~ : 08:24

l. vp : 12:52

travel time : 1.00

test time : 0.25

s/t up time : 0.15

r/t move : 1.25

wait.spread : 0.00

line move : 5.00 (laying out on line 32)

wait. source : 0.00

downtime : 0.25 kt vib drivers unimog fuel prob)

recording time: 4.25

total wrk time: 13.50

kms : 10.52

cum kms month : 245.73

cum vps month : 6136

quality : good

uphole drilling:

rig	uh-no	line no	stat.no	drilled	logged
2788	362	~ 6 6	1100	0-50	in progress
g 829	~76	2	263	0-63	60
g 829	377	2	337	0-63	60
2336	361	6	1027	0-56	in progress

comment: estd. backlog up to rec.: aii kprogram up to eol l17) total upholes to drill : ii

survey:

laid

line : 34

from vp : 440

to vp : 201

kms : 9.56

kms day : 9.56

traversed

line : 32

from vp : 984

to vp : 684

kms : 12.00

comments :

dozerteam:

dozer no : d1 d2 d3

line : moving moving no driver

travel : 2.00 1.00 0.00

work : 0.00 9.00 0.00

move : 0.00 0.00 0.00

down : 0.00 0.00 10.00

stand by : 0.00 0.00 0.00

comments :

temperature: min: 10 --- max: 28

rgds

NOBLE DRILLING, NIGERIA

Last update: 21/Mar/97

Transmission Modes: SITOR-A 100bd Erect 170Hz**Logged Frequencies:** 6219.9**Reported Frequencies:** 6223.3 8286.1**Notes:**

- Language: English
- Typical oil industry communications network involving drilling rigs and operations centres in Port Harcourt and Warri. Work is being carried out for a variety of oil and gas companies.
- Note use of "jjjj:" connection and termination strings most usually seen in networks using TWINPLEX SITOR (see Spanish Diplo for example).
- The 4 digit maritime selcal translation is sent on establishing connection between stations.

Oil Rig	Selcal	Location
Don Walker	8768 FYCF	UBIT 84 G
Ed Noble	8776 FYC	
Percy Johns	8773 FYYK	EKU 18-A
	8774 FYYM	
	8775 FYYP	
Lloyd Noble	8771 FYYX	
Port Hartcourt	2663 QCKK	Operations Centre, Port Harcourt
	1238 XQKF	
	71229 XUUS	
Noble West Africa		UBIT 83 G
Tommy Craighead		INANGA 2
Lewis Dugger		Cawthorne Channel 43
Lay Noble 51		
?		Operations Centre, Warri
NN-1		OPL 230

GUPCO/PETROJET, GULF OF SUEZ

Last update: 11/Nov/97

Transmission Modes: SITOR-A 100bd Erect 170Hz
USB Voice**Logged Frequencies:** 6962.0 4611.8**Notes on Operation:**

- [SAT][SUN]
- Language: English
- The major area of activity for this network is around the Ras Shukier oilfield on the west coast of Gulf of Suez, some 150km SSE of Suez. Traffic is sent between ships identified as "Petrojet" followed by a number, and the offices in Cairo, El Maadi, Port Said, Abu Dhabi and Alexandria.
- GUPCO "GULF of Suez Petroleum COmpany", active in Egypt at present and co-owned by the Egyptian Government and Conoco oil. Headquarters in Cairo: Sharia Palestine, Part 4, New Maadi, Cairo, Egypt PO Box 2400, Cairo, Egypt
- Petrojet is the Petroleum Projects & Technical Consultation Company, also based in Cairo: PO Box 2048, Cairo, Egypt
- There are several similarities with 8221.5kHz "Waffa" network:
 - 1) Selcal IPIP used
 - 2) Identical layout of project status reports
 - 3) "aaaaa" (or strings thereof) starts message

Selcal Translation

IPIP 55555
 OKUX 54321
 QEMP 12345
 SUSF 19298
 MZVH

Locations

alex maadia jetty (petrojet co. a maadia)
 a/z jetty
 nazazat jetty
 r/s (ras shukier)
 port said jetty
 cairo office

Vessel**Type**

petrojet-1 Tow Tug
 petrojet-3
 petrojet-4 Anchor Handling
 petrojet-5
 petrojet-8
 petrojet-11 Derrick Lay Barge
 petrojet-17 Cargo Barge
 petrojet-185
 petrojet-19
 petrojet-31 Supply Vessel
 barge-12

abu dhabi office
 gupco - ras shukhier (Oilfield, Gulf of Suez 150km SSE Suez)
 petrojet - cairo
 petrojet - alex.
 petrobel, a. maadia yard
 petrobel belayim field
 ccic cairo
 ccic abu dhabi

Ras Shukhier = Oilfield on west coast of Gulf of Suez, 150km SSE Suez
 Maadia = El Maadi, 10km S Cairo on east bank of Nile

Sample Message Formats:

Example 1: Daily work summary message

PETROJET 3 24.00 HOURS

PETROJET 31 24.00 HOURS

SUMMARY OF DAILY WORK

DESCRIPTION TODAY HRS. TODATE HRS.

WORKING HOURS 24.00 065.33

WEATHER DOWN TIME 00.00 000.00

MECHANICAL DOWN TIME 0.00 000.00

OTHER TIME 00.00 000.00

WEATHER

WIND (KNOTS) SEAS (FEET)

0001 15-20 01-02

0600 15-20 02-03

1200 30-35 03-05

1800 30-35 03-05

2400 30-35 03-05

JOB PROGRESS:

0001-0200 COMP.REMOVING THE EXISITING STIFF PLATES OF ARATOR SUPPORT

0002-0500 COMPLETE REMOVING THE SECOND DILUENT SKID AND LIFTING IT TO BARGE DECK

0001-0600 COMP.FABRICATING AND WELDING THE EXTENSION BEAM OF SEPARATOR SUPPORT ON BARGE DECK N.D.T.FOR HE ABOVE

0500-1350 COMPLETE REMOVING THE THIRD DILUENT SKID AND LIFTING IT TO BARGE DECK

0600-1030 LOCATE AND LINKED THE TIE-INS OF SEPARATOR V-105 PIPING 1350-1900 COMPLETE REMOVING THE FOURTH DILUENT SKID AND FITTING IT TO BARGE DECK

1645-2400 INSTALLING SCAFFOLDING AT HOT TAP TIE-INS OF SEPARATOR V-105 PIPING GRINDING AND U.T.FOR THE ABOVE INSTALLING SCAFFOLDING AT NEW POSITION OF BOON REST

1700-2400 START CLEANING AND BUILD UP WELDS AT DILUENT SKIDS ARE ON C.D.

2305-2400 LIFTING TRANSFORMER TO C.D. AND START MOVING IT TO TEMP POSITION.

FUEL AND WATER ONBOARD (TONS):

PJ-11 PJ-3

DESCRIPTION	FUEL	WATER	FUEL	WATER
OPENING INVENTORY	069.00	660.00	090.50	053.00
CONSUMPTION	001.00	040.00	000.50	002.00
RECEIVED	000.00	000.00	000.	000.00
DELIVERED	000.00	000.00	000.00	000.00
CLOSING INVENTORY	068.00	620.00	090.00	051.00

PJ-31

DESCRIPTION	FUEL	WATER
OPENING INVENTORY	127.50	146.00
CONSUMPTION	003.50	008.00
RECEIVED	100.00	000.00
DELIVERED	000.00	000.00
CLOSING INVENTORY	224.00	38.00

BOAT MOVEMENT:

PJ-3

0001-2400 S/B IN LOCATION .

PJ-11

0001-2305 30 TO R/S
2300-0400 A/S PJ-11

PERSONNEL ONBOARD

GUPCO 9
CATERING TEAM 36
PETROJET PERSONNEL ONBOARD 166

TOTAL ONBOARD 211

Example 2: Daily project progress report message

SUSF SUSF SUSF+?

DAILY PROGRESS REPORT BARGE PETROJET - 17

TO : ENG. xxxx. GENERAL MANAGER
ENG. xxxx MARINE GENERAL MANAGER

TO : PETROJET CAIRO OFFICE

DATE : 15-FEB-1998

BARGE LOCATION : BM - 23/25 P/FORM (PETROBEL BELAYIM FIELD)

WORK PROGRESS

0001-0230 ACOMPLETE DRIVING THE INITIAL PILE AND THE 1 ST FOLLOWER PILE OF THE 1 ST RE-INFORCEMENT PILE OF JACKET LEG B2 FOR PLATFORM 113M21/BM 15 M PWEPAPTEP ASTOP DIVING DUE TO STRONG CURRENT . AFABRICATION OF FLANGES AND BRACKETS FOR BRACES OF PLATFORM BM-27 ON BARGE DECK IN PROGRESS . ACONTINUE FABRICATION OF ANODE CLAMPS FOR PLATFORM BM-27 ON BARGE DECK IN PROGRESS .

0530-1800 ACOMPLETE CUTTING OF THE OBSTRUCTED EXISTING ANODES WHICH INTERFERE THE NEW CLAMPS FOR PLATFORM 113M21/BM 15 START CLEANING THE POSITION CLAMPS FOR PLATFORM 113M21/BM 15 M ATRY TO INSTALL THE 2ND FOLPILE OF THE 1 ST PILE RE-INFORCEMENT LEG B2 FOR PLATFORM 113M21/BM15 BUT AN INTERFERENCE BEGIN THE STABBING GUIDE OUT SIDE DIMENSION AND THE INSIDE DIAMETER OF THE 1ST FLOOR PILE - MOVING THE 2ND FOLLOWER PILE AND RETURN TO BARGE DECK .

DAGUSSIONING AND CUTTING THE DISCHARGHE STABBING GUIDE OF THE 2ND FOLLOWER PILE AND REMOVING M AEDGE PREPARATION OF THE 2ND FOLLOWER PILE AND START INSTALLING THE NEW STABBING GUIDE . ASAND BLASTING AND SPLASH ZONE COATING ABOVE WATER OF THE JACKET LE S FOR PLATFORM BM-27 IN PROGRESS .

ACOMPLETE MARKING THE POSITION OF 2ND PILE REINFORCEMENT OF JACKET LEG A2 FOR PLATFORM 113M21/BM 15M AMAKING SCAFFOLDS UNDER OF PLATF 27 FOR NEW BEAM INSTALLATION IN PROGRESS.

A MARKING SCAFFOLDS AROUND THE JACKET L1 AND AW OF PLATFORM 27 FOR HORIZONTAL TRACES MEMBER 001 INSTALLATION AT ELEVATION THE PETROBL RES. INSTRUCTION TO STOP ALL THE WORK ACTIVITIES ON PLATFORMS 11321/BM 15 AND BM 27 AT THE SUN SEA AND ACCORDING TO THE CHART.3. THIS SHOULD BE STAND BY BACK CHARN TB.

COMPLETE FITTING OF THE FOURTH JOINT OF THE SQUARES FOR PLATFORM BM 27 ON BARGE DECK AND START WELDING .

A COMPLETE U.T. TEST FOR THE AND 2ND JOINTS WELDING OF
ZZZZZ

PETROM S.A. , BLACK SEA/CASPIAN SEA

Last update: 08/Feb/2002

Transmission Mode: SITOR-A 100bd 170Hz**Logged Frequencies:** 8401.0**Web Addresses:** www.petrom.ro
www.ipa.ro/webipa/PRPLATF.html
www.rigzone.com**Notes On Operation:**

- 7 days
- Language: Romanian
- Petrom operates oil exploration and production facilities in Romanian offshore waters. It also owns several drilling rigs which operate at home and overseas.
- Traffic is heard in the UK from late afternoon through the night. All traffic is from rigs/platforms to the shore base. The selcall used appears to be MQIUTXP. Messages appear to be daily reports, chemicals in stock, goods required etc. No traffic has yet been heard going from the base to the offshore stations, although this is most likely to go during Romanian office hours. Sometimes there is traffic between rigs.

Station	Selcal	Location
PLATFORMA CENTRALA	YQFT	Production platform in Romanian waters
P.F.C.P		Fixed drilling platform in Romanian waters
LA SECTIA 6 PRODUCTIE		Location unknown
PROMETEU		Jack-up drilling rig in Bulgarian waters
SATURN		Jack-up drilling rig in Romanian waters
ATLAS		Jack-up drilling rig in Greek waters
ORIZONT	YQFO	Jack-up drilling rig in Iran(?)
JUPITER		Jack-up drilling rig in Romanian waters

Other stations not yet heard:

FORTUNA	YQFF	Jack-up drilling rig in Iran(?)
GLORIA		Jack-up drilling rig in Romanian waters

Addressees of traffic:

BAZA PETROMAR	Petromar Base in Constanta
PETROSERV	A division of Petrom OR Petroserv S.A. a rig maintenance company in Constanta
BIROUL INVESTITII	Finance Department (?)
SERV. 9-358	Unknown
RIG SERVICE S.A.	Unknown

Sample Messages:

1. Met report from P.F.C.P. to Petromar Base:

MQIUTXPMQIUTXPMQIUTXPMQIUTVD
FM:P.F.C.P. NR.151 07.02.2002 06.30LT
TO:BAZA PETROMAR

OBSERVATII METEO:

=====

VINT:SSW 7-8M/S
VAL DE VINT:SUD CU H=1M
TEMPERATURA=6 GRC.
VIZIBILITATE=15KM
PRESIUNE= 1016,2 STATIONARA
MAREA= GRADUL 3

SEF SECTIE METEOROLOG
ING.CIRSTEA DUMITRU UDREA DAN
NNNN

2. Short message from Saturn

06.02.2002
SATURN

CERERI FORAJ
1.ELEVATOR FI 7" CU PRAG DREPT=1 BUC
2.PRAJINI FORAJ FI 5"S1=30 BUC
3.MANSOANE BETTIS 5"=200 BUC
4.VENTIL 3 1/6X700 AT=5 BUC

ING.DOGARU VASILE
NNNNN

3. From PFCP to microbiology laboratory:

DE LA : P.F.C.P. NR.150 07.02.2002 05.10
CATRE : LABORATORUL MICROBIOLOGIE
TEXT : ANALIZA APEI DE INJECTIE LA DATA DE 06.02.2002 :

=====

DIM.PART. FP FG FM CS PI

=====

1 - 2 570800 515800 421900 332800 328600
2 - 5 21440 16730 11580 9370 9050
5 - 10 11270 9110 6500 4930 4790
10 - 20 20 10 0 0 0
M.MARE DE 20 0 0 0 0 0

=====VVVV

DATELE DE MAI SUS SE INCADREAZA IN LIMITE NORMALE LA O PROBA DE 1 ML. DETERMINAREA
CONTINUTULUI DE TITEI IN APA DE ZACAMINT S-A FACUT PRIN EXTRACTIE LA SPECTROFOTOMETRU TIP
HACH , OBTININDU-SE REZULTATELE : 09:00 = 35 / 15:00 = 54

=====

TR. I-A : APA = 425 TEMP.= 28 DEZEMULSIONANT RP DOZA (PPM) = 25
TR.II-A : APA = EYU TEMP.= 42 OVAL(MC) = 1437 IMPURITATI = 4

=====VVVVVVVV

DIM. PART.

===/

1 - 2 1610300

2 - 5 497200

5 - 10 8640

10 - 20 _ 550

M.MARE DE 20 0

=====/
DATELE OBTINUTE MAI SUS REPREZINTA NUMARUL DE PARTICULE PER 1 ML DE PROBA .

SEF SECTIE CHIMIST

ING.xxx ING.xxx

NNNN

SANTA FE OIL COMPANY RIGS, NIGERIA

Last update: 18/Mar/97

Transmission Modes: SITOR-A 100bd Erect 200Hz
USB**Logged Frequencies:** 6916.35**Reported Frequencies:** 2182.0 2201.0 2246.0**Notes on Operation:**

- [SAT][SUN]
- Language: English
- Typical oil rig operation with daily status and variety of drilling reports sent from rig "Key Bermuda" to HQ. Selcal of calling station is SFPH, of which the PH suggests Port Harcourt as the location of the Nigerian HQ of Santa Fe.
- Call-up via standard selcal mechanism.
- Note the use of formatting codes /5 and /7 between keywords and message header components, a function of the Paktel messaging system in use. This, and the use of 200Hz shift SITOR equipment bears similarity to another Nigerian oil operation identifying as "hess nl" on 8012.63kHz (see other file for details).
- Work appears to be being carried out for Chevron Nigeria Ltd.

Selcal	User, Location
SFPH	Santa Fe Oil Co, Port Harcourt
SFKB	Santa Fe Oil Rig, "Key Bermuda"

Vessels:

Key Bermuda Oil Rig
Walvis 1
Barton Tide

Dictionary:

pob Personnel on Board

NPCC/ENRON OIL "WAFFA", GULF/INDIAN OCEAN

Last update: 01/Dec/2001

Transmission Modes: SITOR-A 100bd Erect 170Hz
SITOR-B 100bd Erect 170Hz CBRS mode
USB Voice

Logged Frequencies: 3291.5 8221.5 16456.5

Notes on Operation:

- [SAT][SUN]
- Language: English
- Extremely large oil and gas terminal construction and supply network operating in two primary areas:
 - a. A gas terminal construction project about 100km N of Bombay (Tapti)
 - b. Oil and gas terminal construction projects in the Persian Gulf
- Voice operations noted on USB frequency of 8220kHz.

Companies, vessel owners and locations mentioned in dispatches are as follows:

- International Marine Services Inc, Sharjah
- National Marine Services, Abu Dhabi
- Awal Construction & Trading Co, Dubai
- Gulf Marine Maintenance & Offshore Service, Dubai
- GAC Marine, Abu Dhabi
- Al Bruq Marine, Sharjah
- National Petroleum Construction Co (NPCC), Abu Dhabi
- Nico International (UAE), Dubai
- Selat Marine Service Co Ltd, Sharjah
- Whitesea Shipping & Supply Co, Sharjah

"Waffa radio room" handles traffic to and from ships in each operational area. Each operational area appears to have a lead ship through which all traffic is routed.

The lead ships and their corresponding areas of operation are as follows:

sep-150 UAE total abk field
sep-250 adgas das island jetty refurbishment
sep-350 total - abk - abu Dhabi, UAE total abk field
hls-2000 Qatar m.m. (Maydan Mahzam) Field (ps2)
dlb-750 India Tapti Field (20.31.562N 72.06.413E)
dlb-1000 UAE Umm Shaif Field
nms-208 UAE Umm Shaif Field
nms-209 UAE Zakum Field
lb-1 India, Hazira

From about 1900UTC daily, Waffa polls each lead ship/operational area eg "sep250" for traffic. This seems to be controlled via a mailbox/telex type system. Each lead ship wishing to transmit a message to Waffa appears to send the standard maritime 5 digit translation of its selcal followed by its location code eg sep250. As an example:

\$88888 sep250

Where "88888" is equivalent to selcal FDFD, corresponding to lead ship sep-250, a jack-up barge operating in the Das Island jetty refurbishment project.

Following this logic, the selcal PTXQ appears to belong to Waffa which would indicate that Waffa is the aka (code name) for PLB-648, a pipe lay barge currently idle in Mussafah.

The exception to this rule appears to be lead ship HLS-2000 aka "tammy" which always logs on to the system as "a6kj hls2000" rather than by selcal as above.

After connecting to Waffa as above, the lead ships send messages to Waffa headed; "deena", "jawaher", "tammy", "danielle" or "layla".

The lead ships, together with the appropriate locations, and their flotillas are as follows:

Deena (Dlb-750, For "Enron - Mumbai", India Tapti Field) Dlb-750 Stinger Ocean King-1 Ocean Service-3 Gmmos Duke Safa-255 Safa-240 Gmmos Danah Project Trader Alioth Alkaid Safa-245 Nico Glad Cp-5375 Selat Tenaga Gac-63 Martha Cb-lii Ocean Knight Gac-81 Majed Gmmos Champ Cb-lv Celina Gulf Squall	Jawaher (Sep-150, Uae Total Abk Field Gas Project "00 Complex") Sep-150 Kyla Azraq Willie Layla (Sep-250, For "Adgas" Das Island, Jetty Refurbishment Project) Sep-250 Sindbad Gmmos King Ocean Service-3 Ocean Master-1 Justine Intercommander Cb-V Tameem Rb-101 Danielle (Sep-350, For Total Abk Abu Dhabi, Total Abk Field Gas Project) Sep-350 Azraq Gmmos Lara Ocean Master-1 Ocean Pioneer Gmmos Prince	Tammy (Hls-2000, Qatar M.M Field (Ps2), For "A6kj Hls-2000" Al Mannai) Hls-2000 Gulf Wind-2 Vivi Odin Osa Trieste Lamtide 301 Gac-61 Ocean Poioneer Ocean Discoverer Tameem-102 Pac.Bloodhound ??? (Qatar North Field) Scorpio Del Golfo ??? (Nms-208, Uae Umm Shaif) Nms-208 ??? (Nms-209, Zakum Field) Nms-209 Geraldine (With Plb-648 In Tapti Field) Challenger Gmmos Duke Gulf Wind-2 Nico Al Garhoud Ocean Service-3 Project Trader Scorpio Del Golfo
Ameera (Dlb-1000, Uae Umm Shaif Field And Uae Zirku) Dlb-1000 John-H Ronja Cb-l Cb-li Gmmos Power Conco-lii Gmmos Prince Intercommander	??? (India, Hazira) Lb-1 Shahrazad Gmmos Knight	

Selcal	Ship	Type	Code Name
CSUQ	26922	sep-350 Jack-Up Barge	"danielle"
CVIV	26050	dlb-1000 Derrick Lay Barge	"ameera"
FDFD	88888	sep-250 Jack-Up Barge	"layla"
FKKV			
IPIP	55555		
KKAV	23390		
PTXQ	15012	plb-648 Pipe Lay Barge	"waffa"
QEMP	12345		"geraldine"
VXUV	20120		
XUKT	81230	dlb-750 Derrick Lay Barge	"deena"
YUMV	17240	sep-150 Jack-Up Barge	"jawaher"
A6KJ		hls-2000 Heavy Lifting Ship	"tammy"

Dictionary:

npcc - mumbai (via waffa)
 npcc - doha
 enron - houston
 enron - dubai
 enron - mumbai
 tapti field (mumbai - india)
 india, neelam field
 Kuwait, Al Zour Anchorage
 abu dhabi
 (u.a.e) sharjah
 (u.a.e) mussafah
 arcadia shipping
 port said
 qatar ras laffan
 u.a.e free port
 qatar / bulhanine, ps-3 complex
 qatar / alkhali field
 qatar mannai marine jetty
 total abk field "00 complex"
 abb global engineering - das
 (u.a.e) umm shaif field (Oilfield, 25km E Das Island)
 u.a.e das island (Small island, 150km ESE Doha)
 arzanah (Small island, 150km SE Doha)
 qatar / north field
 qatar / m.m. field (ps2) (Maydan Mahzam Oilfield, 10km SE Halul)
 qatar / halul (Small Island, 150km NE Doha)
 u.a.e / zakum field (Oilfield, 75km NW Abu Dhabi)
 u.a.e / satah field (Oilfield)
 u.a.e / zirku anchorage (Az Zarqa island, 25km SSE Das Island)
 u.a.e / panna field
 umm said jetty, doha
 doha port
 fcsc mussafah
 goa
 m/s arcadia shipping ltd

NPCC	National Petroleum Construction Co, Abu Dhabi
Mumbai	Indian name for the city of Bombay
ENRON	Houston based Natural Gas corporation
ABB	Asea Brown Boveri Co.
Total	Total Oil Co.

Vessel List:

Ahmed	???
Alioth	Tow Tug
Alkaid	Tow Tug
Al Jaber-14	Landing Craft
Al Jaber-11	Landing Craft
Arifa	Supply Vessel
Azraq	Supply Vessel
Big Orange-IV	Supply Vessel
CB-I	Cargo Barge
CB-II	Cargo Barge
CB-III	Cargo Barge
CB-IV	Cargo Barge
CB-V	Cargo Barge
Celina	Survey Vessel
Challenger	Anchor Handling Tug
Conco-III	Survey Vessel
CP-5375	Cargo Barge
DLB-750	Derrick-Lay Barge
GAC-61	Cargo Barge
GAC-63	Cargo Barge
GAC-81	Cargo Barge
GAC-186	Cargo Barge
GAC-633	Cargo Barge
Gazella	Tow Tug
GMMOS Champ	Tow Tug
GMMOS Danah	Survey Vessel
GMMOS Duke	Anchor Handling Tug
GMMOS Lara	Supply Vessel
GMMOS King	Support Vessel
GMMOS Power	Tow Tug
GMMOS Prince	Tow Tug
GMMOS Star/Toota	Supply Vessel
Grif	Tow Tug
GTO-7	Tow Tug
Gulf Squall	Anchor Handling Tug
Gulf Wind-1	Anchor Handling Tug
Gulf Wind-2	Anchor Handling Tug
HAM-602	Cargo Barge
HLS-2000	Heavy Lifting Ship
Intercommander	Supply Vessel
John-H	Anchor Handling Tug
Justine	Tow Tug
Kyla	
Lamtide 301	Supply Vessel
LB-1	Cargo Barge
Martha	Tow Tug
Majed	Tow Tug

Nico Al Garhoud	Supply Vessel
Nico Glad	Supply Vessel
NMS-208	Supply Vessel
NMS-209	Supply Vessel
NMS-501	Supply Vessel
Ocean King-1	Anchor Handling Tug
Ocean Knight	Tow Tug
Ocean Discoverer	Tow Tug
Ocean Diver	Tow Tug
Ocean Master-1	Anchor Handling Tug
Ocean Pioneer	Tow Tug
Ocean Service-3	Support Vessel
Odin	Anchor Handling Tug
Orsa	Tow Tug
Osa Trieste	Anchor Handling Tug
Pacific Bloodhound	Anchor Handling Tug
Pacific Rapier	Work Boat
PLB-648	Pipe Lay Barge
Project Trader	Landing Craft
Ronja	Anchor Handling Tug
SAFA-240	Cargo Barge
SAFA-245	Cargo Barge
SAFA-255	Cargo Barge
Scorpio Del Golfo	Support Vessel
Selat Tenaga	Tow Tug
SEP-150	Jack-Up Barge
SEP-250	Jack-Up Barge
SEP-350	Jack-Up Barge
Sindbad	Tow Tug
Shahrazad	Tow Tug
Stinger	Derrick Lay Barge
Supplier-II	Cargo Barge
Talal	?
Tameem-102	Cargo Barge
Tameem RB-101	Cargo Barge
Vivi	Tow Tug
Wave-I	Cargo Barge
Willie	?

Sample Message Formats:

Example 1: Typical message showing calling mechanism

+?

qw waffa

+?

ptxq ptxq ptxq ptxq ptxq ptxq ptxq ptxq

\$

d e e n a

29/10/1996 den/299/mo/fe/kmj/enrn

to : xxx (via waffa)

fax no. xxx.

attn : mr. xxx

copy : xxx

copy : mr. xxx

subj : odag daily vessel report from dlb-750 on 29/10/96

vessel name : dlb-750

vessel type : derrick lay barge

- a) position as on 0700 hrs tapti field
- b) future intention and passage particulars : 18" pipe laying at tapti field
- c) nature of work undertaken in last 24 hrs : wx s/by
- d) nature of work intended in next 24 hrs : 18" pipe laying
- e) change / replacement in any crew members : nil
- f) movement particulars of crew members : nil
- g) any other information of interest : nil

vessel name : ocean king a-nd dmms duke

vessel name : anchor handling tugs

- a) position as on 0700 hrs : tapti filed
- b) future intention and passage particulars : anchor handling for dlb-750
- c) nature of work undertaken in last 24 hrs : running anchors
- d) nature of work intended in next 24 hrs : assist dlb750 in positioning
- e) any change / replacement in any crew members : nil
- f) movement particulars of crew members : nil
- g) any other information of interest : nil

vessel name : gmms champ + c/b cb-iv

vessel type : tow tug / cargo barge

- a) position as on 0700 hrs : e/r to abu Dhabi e.t.a - 29/10/96
- b) future intention and passage particulars : under tow to auh
- c) nature of work undertaken in last 24 hrs : under tow to auh
- d) nature of work intended in next 24 hrs : under tow to auh
- e) change / replacement in any crew members : nil
- f) movement particulars of crew members : nil
- g) any other information of interest : nil

vessel name : project trader
vessel type : landing craft (loaded with spare stinger)

- a) position as on 0700 hrs : tapti anchorage
- b) future intention and passage particulars : stand by
- c) nature of work undertaken in last 24 hrs : stand by
- d) nature of work intended in next 24 hrs : stand by
- e) change / replacement in any crew members : nil
- f) movement particulars of crew members: nil
- g) any other information of interest: nil

vessel name : gmms danah
vessel type : survey vessel

- a) position as on 0700 hrs : e/r to tapti fld
- b) future~intention and passage particulars : surv.asst. dlb-750
- c) nature of work undertaken in last 24 hrs : s/by / wtg on wx
- d) nature of work intended in next 24 hrs : surv. wtg. dlb-750
- e) change / replacement in any crew members : nil
- f) movement particulars of crew members: nil
- g) any other information of interest : nil

regards,
supd't/fe/ch.clk
dlb-750

nnnn
\$
ptxq ptxq ptxq ptxq ptxq ptxq ptxq ptxq

Example 2: Typical message showing marine spread (flotilla positions)

xukt xukt xukt xukt
m a r i n e s p r e a d
=====

date : 27/10/1996 ref.no. waf/571/bb/ab time : 0001 hrs
attn : agm-oo / oom / hpc / cma
mr / hos
dt/fe - all barges

subj : marine spread at 2400 hrs on 26/10/1996
=====

v e s s e l location / site job no. eta/etc
=====

- 01. dlb-750 : india / tapti field : 2624 :
- 1.01 gmms duke (aht): " " " : " :
- 1.02 c/b cb-iii : india / tapti anch. : " :
- 1.03 martha (tt): " " " : " :
- 1.04 project trader (lc): " " " : " :
- 1.05 gmms danah (srv): " " " : " :
- 1.06 ocean king~1 ~(aht): india / e/~4 5-058 %)~ : " ~~~
- 1.07 c/b~s~a-255 ~~: " " " : " :
- 1.08 alioth (tt): " " " : " :

1.09 c/b safa-245 : " " " : " :
 1.10 alkaid (tt): " " " : " :
 1.11 nico glad (sv): " " " : " :
 1.12 c/b gac-63 : u.a.e / sharjah : " :
 1.13 selat tenaga (tt): " " " : " :

02.1 lb-1 : india / hazira (l+t) : 4626 :
 02.2 shahrazad (tt): " " " : " :
 02.3 gmmos knight (tt): " " " : " :

03. sep-150 : u.a.e / abk field : 8555 :

04. sep-350 : u.a.e / abk field : 8555 :
 04.1 azraq (sv): u.a.e / safah : 628555:

05. dlb-1000 : u.a.e / umm shaif fld : 2529 :
 05.1 john-h (aht): " " " : " :
 05.2 ronja (aht): " " " : " :
 05.3 c/b cb-i : " " " : " :
 05.4 gmmos power (tt): " " " : " :
 05.5 conco-iii (sv): " " " : " :
 05.6 c/b cb-ii : " " " : " :
 05.7 gmmos prin~k~tt: " ~~~~' ss c
 05.8 inte~co~m~d~r~sv): u.a.e / zirku anch. : 529/618 :

06. sep-250 : u.a.e / d a s : 3605 :
 06.1 ocean master-1(aht): " " " : " :
 06.2 sindbad (tt): " " " : " :
 06.3 c/b cb-v : " " " : " :
 06.4 justine (tt): " " " : " :
 06.5 c/b tameem rb-101 : u.a.e / mussafah : " :

07.1 ocean service-3(wb): u.a.e / d a s : 8605 :
 07.2 gmmos king (wb): " " " : " :

08. hls-2000 : qatar / m.m. fld (ps2) : 3637 :
 08.1 gulf wind-2 (aht) " " " c " c pimw osa trieste (aht): " " " : " :
 08.3 c/b gac-61 : qatar / umm said jetty : 363~ :
 08.4 ocean discoverer : " " " : " :

09. s.d. golfo (wb): qatar / north field : 8338 :

10. nms-208 : u.a.e / umm shaif : 5712 :

11. nms-209 : u.a.e / zakum field : 5713 :

12. gmmos lara (sv): u.a.e / mussafah : 529/605~

13. in transit :
 13.1 c/b cp-5375 : u.a.e / e/r tapti fld : 2624 : t.b.a
 13.2 majed (tt): " " " : " :
 13.3 c/b cb-iv : india e/r abu dhabi : " : 29/10/96
 13.4 gmmos champ (tt): " " " : " :
 13.5 ocean knight (tt): u.a.e / e/r das island : " : 27/10/96

13.6 vivi (tt): qatar / e/r doha port : 3637 :~27/10/96
13.7 c/b tameem rb-10~ : qatar / e/r m.m. field : " : '~
13.8 ocean pioneer (tt): " " " : " : "
13.9 lamtide 301 (sv): qatar / e/r halul fld. :3637/1550: "8338

14. general :

14.1 arifa : u.a.e / mussafah : gen :

14.2 plb-648 : u.a.e / mussafah : idle :

=====

forecast : t.b.a

===

vessel movements on 26/10/1996 :

23:30 hrs : azraq arrived mussafah.

=====

regards

xxx

head of logistics and survey

+++

/pph

nynn