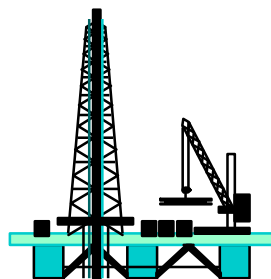




**NIGERIAN NATIONAL PETROLEUM
CORPORATION**

**ANNUAL
STATISTICAL
BULLETIN**

JANUARY – DECEMBER 2002



CORPORATE PLANNING AND DEVELOPMENT DIVISION (CPDD)

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2002 ANNUAL STATISTICAL BULLETIN

Executive Summary

A total of 4,394.69 square kilometers of 3-D Seismic data were acquired by Shell Petroleum Development Company (SDPD), Chevron, Elf and Nigeria Agip Oil Company (NAOC) between January and December 2002. Similarly, a total of 668.79 kilometers of 2-D Seismic data were acquired during the same period. SPDC, Mobil and Chevron Joint Ventures, along with the PSCs Addax, SNEPCO and NAOC and NPDC/AENR partnership alliance, processed and reprocessed 105 kilometers of 2-D Seismic data and 17,800.4 square kilometers of 3-D Seismic data.

There were forty-one (41) rigs in operations onshore and offshore. In addition, 254 wells involving thirty-four (34) Exploratory/Appraisal and one hundred and eighty-three (183) Development wells, were drilled, while thirty-seven (37) Workovers were re-entered by Joint Ventures (JVs) and (PSC/SC) companies during the period being reviewed.

The breakdown is as follows:

- Exploration/Appraisal – thirty-four (34) wells
- Development – one hundred and eighty-three (183) wells
- Workover – thirty-seven (37) wells.

(see details in Tables 2a & 2b).

Total crude oil and condensates production for year 2002 stood at 725,859,989 barrels averaging a daily production of 1.99 million barrels as against 863,744,500 barrels averaging 2.366 million barrels per day for 2001 production levels.

Total crude oil liftings stood at 742,275,957 barrels (averaging 2.034 million barrels per day). Crude oil liftings comprised of 663,326,494 barrels for exports (averaging 1.82 million barrels per day) and 78,949,463 supplied to the three domestic refineries. The liftings which were higher than the production was accounted for as a result of drawing from stocks (see Table 7 page 22).

The export liftings of 663,326,494 barrels were made up of the following:

- NNPC export liftings for Federation Account totaled 233,915,119 barrels.
- Liftings for EPCL debt settlement came to 6,549,412 barrels.
- PPMC exported 84,660,583 barrels.
- While JVCs export liftings totaled 289,061,181 barrels.

Addax, a Production Sharing Company exported 11,709,881 while Agip Energy (AENR), a Service Contract Company exported 4,122,344 barrels and other Independent/Sole Risk Companies exported 33,307,974 barrels.

Total crude oil and condensate realizable revenue inflows into the Federation Account was recorded as US \$5.891 billion on 233,915,119 barrels of crude oil and condensates depicting a decrease of US \$2.146 billion or about 26.71% when compared with US \$8.037 billion generated in 2001. Realizable revenue from gas exports amounted to US \$267.127 million over 2001 proceeds of US \$145.098 million denoting an increase of 84.39%.

A total volume of 1,652 Billion Standard Cubic Feet (BSCF) of natural gas was produced by the Joint Venture Producing Companies and NPDC. Out of this, 774.108 Bscf of natural gas representing (45.05%) of total production was flared. (Table 11 gives details). Other uses include 71,896 Bscf as fuel, gas supplied to NLNG accounted for 290.046 Bscf while 9,160 Bscf was delivered to EPCL as feedstock, 89,794 Bscf was sent to NGC. When compared with the volume flared in 2001, the year 2002 level shows a 19.20% decline.

The Nigerian Gas Company (NGC) sold 176,435 Bscf of natural gas for ~~N~~4.351 billion while it transmitted 1.388 Bscf of natural gas for the sum of ~~N~~95.213 million.

SPDC sold 121.058 Bscf of natural gas for ~~N~~1.368 billion.

During the year, PPMC received 78,075,205 barrels of crude oil into the three refineries as against 82,578,547 barrels (11,152,407 metric tons) of crude oil received in 2001. The refineries' collective opening stock of 5,660,301 barrels brought the total available volume of crude oil for processing to 79,556,558 barrels. This constitutes a decrease of 2.4% over year 2001's processed level of 81,512,100 barrels of crude oil. This has no negative reflection on gains made in the domestic refining sector. A closer look at the performance levels of the refining companies show that the level of fuel oil produced in 2002 declined by 138,468 mt or 5.1% when compared to year 2001 levels. This is an indication of an improved efficiency level in products yields since less crude oil was used in the

reporting year to produce more PMS than was the case in the previous year.

The refineries processed 10,746,185 Metric tons (79,556,558 barrels) of crude oil to produce 9,754,505 metric tons of petroleum products for domestic consumption. PPMC evacuated 10,480,533 metric tons of Petroleum Products for distribution to meet domestic needs. Imports to meet local demand rose marginally by 1.54% over year 2001 levels. PPMC imported a total of 4,535,732.37 mt of petroleum products to meet local demand.

Exports made in the reporting period netted in ~~N~~39.474 billion a “fall out” from the Memorandum of Understanding (MOU) between the Federal Government of Nigeria and some West African Countries.

No bunker sales were recorded for the year 2002. The last bunker sales report was made for January 2001, when a total volume of 16,916.747 mt of petroleum products comprising of 2,269.664 mt of AGO and 14,647.083 mt of LPFO valued at ~~N~~178,7364 million was recorded.

GENERAL REVIEW OF NIGERIA'S PETROLEUM INDUSTRY ACTIVITIES IN 2002

1. SEISMIC AND DRILLING ACTIVITIES

Four Joint Venture Companies, namely Shell Petroleum Development Company (SPDC), Chevron, Elf and NAOC and two Production Sharing Companies, Addax and NAOC (PSC) carried out seismic exploratory activities during the year 2002. A total of 668.79 kilometers of 2-D seismic data and 4,394.69 square kilometers of 3-D seismic data were acquired. In 2001, there was no 2-D seismic data acquired while 1,051 square kilometers of 3-D seismic data was acquired. (see table 1a). This reflected an increase of 3,343.69 square kilometers of 3-D seismic data acquired in 2002 over that of 2001.

Three Joint Venture companies, namely SPDC, Mobil and Chevron processed and reprocessed 105 kilometers of 2-D seismic data and 12,315.4 square kilometers of 3-D seismic data. Three Production Sharing Companies, Addax, SNEPCO and NAOC (PSC) processed and reprocessed 4,931 square kilometers of 3-D seismic data while NPDC/AENR partnership alliance processed and reprocessed 554 square kilometers of 3-D seismic data. Overall, a total of 105 kilometers of 2-D seismic data and 17,800.4 square kilometers of 3-D Seismic data were processed and reprocessed by the oil companies (see table 1b).

Forty-one (41) rigs were in operation during the year. In comparison with 43 rigs in operation in 2001, the number of rigs in operation was two (2) less than that of 2001. Joint Venture Companies had 30 rigs in operation while Production Sharing Companies had the remaining eleven (11) rigs in operation. Thirty (30) of the rigs operated offshore while the remaining eleven (11) operated on onshore land/swamp. (see Table 2a).

Two hundred and seventeen (217) wells were drilled while thirty-seven (37) Workovers were re-entered during the year by the JVCs and PSCs.

When compared with a total number of 218 wells drilled/re-entered in 2001, the year 2002 reflected an increase of thirty-six (36) wells. The wells drilled/re-entered were made up thirty-four (34) Exploratory/Appraisal and one hundred and eight three (183) development wells as well as thirty-seven Workovers. Joint Venture Companies carried out operations on twenty three (23) Exploratory/Appraisal and one hundred of fifty-five Development wells (155) Development wells as well as thirty seven (37) Workovers while Production Sharing Companies carried out operations on eleven (11) Exploration/Appraisal and twenty-eight (28) Development wells (see Table 26).

2 CRUDE OIL AND CONDENSATE PRODUCTION

A total 725,859,989 barrels of crude oil and condensate was produced during the year in review. This reflects an average of 1.989

million barrels per day. When compared with 863,744,500 barrels (2.366 mbd) of crude oil and condensate produced in 2001, the production figure for 2002 shows a decline of 137,884,511 barrels or 15.96% (see Tables 4a, 4b and 4c).

Shell Petroleum Development company (SPDC), produced the highest volume of crude oil with a total production figure of 262,402,725 barrels (0.719 mbd) which is 36.15% of the total production. Mobil Oil Producing came second with 174,462,728 barrels (0.478 mbd and 24.04%) while Chevron produced 117,876,675 barrels (0.323 mbd and 16.24%) to be in third position. Overall, Joint Venture companies (JVCs) produced a total of 676,789,883 barrels of crude oil and condensate averaging 1.854 million barrels per day and 93.23% of the total production. Production Sharing Company, Addax produced 11,300,979 barrels (1.56%) while Service Contract Company, AENR, produced 4,240,980 barrels (0.058%). The remaining 33,528,147 barrels (4.62%) was produced by the Sole Risk/Independent Oil Companies. (see Tables 4a and 4c).

In the crude oil production streams slate Bonny Light has the highest production figure of 158,660,184 barrels, which is 21.85% of the total production and averaging 434,685 barrels per day. Qua Iboe crude oil stream came second with production figure of 141,778,497 barrels (19.53% and 388,434 barrels per day) followed by Forcados Blend with production figure of 132,653,091 barrels (18.28% and 363,433 barrels per day). Oso condensate production was recorded as

32,684,231 barrels, which averages about 89,546 barrels per day and is 4.50% of the total crude oil and condensate production. (see Tables 4a and 4b).

3 CRUDE OIL AND CONDENSATE LIFTINGS

Total crude oil and condensate liftings for domestic utilization and export during the year under consideration stood at 742,275,95 barrels reflecting an average of 2.034 million barrels per day. (see Table 5). In comparison with liftings for the year 2001 which stood at 864,177,535 barrels (2.368 mbd), the liftings figure for the year 2002 shows a decline of 121,901,578 barrels or 14.11%. Nigerian National Petroleum Corporation (NNPC) lifted 404,074,577 barrels (54.44% of the total liftings and an average of 1.107 million barrels per day for domestic utilization and export. Of the liftings made by NNPC, 233,915,119 barrels were for export on the account of Federation Account at a total sum of \$5.891 billion 6,549,412 barrels were exported in respect of EPCL debt settlement and the remaining 163,610,046 barrels were lifting for domestic utilization (see Tables 5 and 9a). This is made up 78,949,463 barrels supplied to domestic refineries and 84,660,583 barrels as PPMC export (see Table 6). Joint Venture Companies exported 289,061,181 barrels (791,948 barrels per day and 38,94% of the total) while Addax, a Production Sharing Company lifted 11,709,881 barrels (1.58%) for export. AENR, a Service Contract Company exported 4,122,344 barrels (0.56%) while the remaining 33,307,974 barrels (4.49%) of the overall liftings for the year were lifted for exports by Sole Risk/Independent Companies (see Table 9a).

4 NIGERIA CRUDE OIL EXPORTS

A total volume of 663,326,494 barrels of crude oil and condensate (averaging 1.817 million barrels per day) was lifted for export in the year 2002. There is a shortfall of 116,767,209 barrels or 14.97% when compared with 780,093,703 barrels (2.137 mbd) exported during the year 2001.

NNPC exported a total volume of 325,125,144 barrels (49.01% and 0.891 mbd) while JVCs, PSCs, Service Contract and Sole Risk/Independent Companies exported 338,201,380 barrels reflecting an average of 926,579 barrels per day and 50.99%. (see the details above in 3).

The total volume of crude oil and exports went to the five regions of the world as follows: North America 240,642,680 barrels (36.28% of the total), Asia and Far East 170,508,955 barrels (25.71%), Europe 152,664,311 barrels (23.01%), Africa 51,974,406 barrels (7.84%) and South America 47,536,142 (7.84%) barrels with a share of 7.17%. (see Table 8).

5 NATURAL GAS PRODUCTION AND UTILIZATION

The seven JVCs and NPDC produced 1,652 Billion Standard Cubic Feet (Bscf) of natural gas during operations during the year. The production showed a decline of 171 BSCF or 0.92% when compared with 1,823 Bscf of natural gas produced in 2001. A total volume of

744.108 Bscf was flared which is 45.05% of the total production. Utilization of natural gas include 290.046 Bscf for LNG, 270.402 Bscf for re-injection, 101.620 Bscf sold to third parties, 89,794 Bscf sold to NGC by Shell and 71.896 Bscf used as fuel. There was also 47.721 Bscf of Natural gas converted to NGL (see Table 11).

A total sum of \$96.494 million was realized from export sales of a total volume of 210.880 million BTU of LNG feedstock while \$170.633 million was realized from export sales of 850,867 MT of NGL/LPG. Overall a total sum of \$267.127 million was realized from the export sales of Gas. (see Table 9b).

Nigerian Gas Company (NGC) sold 176.435 Bscf of Natural gas for a total sum of ~~N~~4.351 Billion. It also transmitted 1.388 Bscf of natural gas for a total fee of ~~N~~95.213 million. (see Tables 12a and 12b).

Shell Petroleum Development Company (SPDC) sold 121.058 Bscf of natural gas for a total sum of ~~N~~1.368 Billion. (see Table 13).

6. DOMESTIC REFINING:

The domestic refining companies – KRPC, PHRC and WRPC received a total of 78,075,205 barrels of crude oil from PPMC for processing in the year 2002. The companies had opening stocks of 5,660,301 barrels of crude oil. Of the total 83,735,506 barrels of crude oil available for processing, 79,556,558 barrels were processed, showing a decrease of 1,955,542 or 2.4% over year

2001's processed level of 81,512,100 barrels. The decrease is not significant to say that the gains made in the domestic refining sector in the year 2001 could not be sustained. Closing stock as at end of the year 2002 was 4,178,949 barrels. (see Tables 23, 24 and 25). The break-down of the processed crude oil is as follows:

QUANTITY OF CRUDE OIL PROCESSED IN 2002

| Refinery | Crude Oil Processed (Mt.) |
|--------------|---------------------------|
| KRPC | 1,922,211 |
| PHRC | 5,403,324 |
| WRPC | 3,420,650 |
| Total | 10,746,185 |

The three (3) domestic refineries produced 9,754,505 mt of various petroleum products. The products measured in metric tons include PMS: 2,603,389; DPK: 1,532,409; AGO: 2,515,872; Fuel Oil: 2,577,593. Tables 26 and 27 refer.

The level of Fuel Oil produced in the reporting year declined by 138,468 mt or 5.1% when compared with that of year 2001. This is an encouraging development, more so, taking cognizance of the fact that the refining companies processed less crude oil in the year under review than year 2001 to produce more of PMS than they did in year 2001.

7. DOMESTIC PETROLEUM PRODUCTS DISTRIBUTION:

In year 2002, Pipelines and Products Marketing Company (PPMC), a subsidiary of NNPC evacuated 10,480,533 metric tons of petroleum

products for distribution. The break down of the evacuated products is given below:

| Product | Quantity (Mt) |
|-----------------------|--------------------------|
| LPG | 80,804 |
| PMS | 3,230,148 |
| DPK | 1,525,797 |
| AGO | 2,484,052 |
| Fuel Oil | 2,592,929 |
| LRS | 350,686 |
| Intermediate Products | <u>216,117</u> |
| Total | <u>10,480,533</u> |

In addition to the above, PPMC imported PMS, DPK and AGO totaling 4,535,732.37 mt to meet the domestic demand in the year. This shows a marginal increase of 68,948.4 mt or 1.54% when compared with imports level of 4,466,783.97 mt in the year 2001. The imports were made up of metric tons of PMS: 4,036,484.22; DPK: 404,896.79; and AGO: 94,351.36. PPMC recorded about 14,279.256 million litres of petroleum products sales in the year under consideration. The products sold in million litres include: PMS - 8,580.351; DPK - 1,815.901; ATK - 342.722; AGO - 2,796.103; LPFO - 276.975. (see table 34).

8. PETROLEUM PRODUCTS EXPORTS:

PPMC exported petroleum products to the tune of 2,585.058 million litres in the year. These include 1,885.098 million litres of HPFO and 577.166 million litres of LPFO. The exports we

Table 1a

Seismic Activities:- January - December, 2002
Data Acquisition

| <i>Company</i> | <i>2-D (KM)</i> | <i>3-D (SQ. KM)</i> |
|------------------------------|-----------------|---------------------|
| JV COYS | | |
| SHELL | 31.61 | 1,128.000 |
| MOBIL | - | - |
| CHEVRON | - | 55.350 |
| ELF | - | 356.34 |
| NAOC | 212.18 | 358.00 |
| TEXACO | - | - |
| PAN-OCEAN | - | - |
| SUB - TOTAL JV | 243.79 | 1,897.690 |
| PSC COYS | | |
| ADDAX PET. | - | 147.000 |
| ADDAX EXPL. | - | - |
| SNEPCO | - | - |
| STATOIL/BP | - | - |
| CONOCO | - | - |
| EXXON MOBIL | - | 2,350.000 |
| NAOC (PSC) | 425.00 | - |
| CHEVERON (PSC) | - | - |
| ELF (PSC) | - | - |
| TEXACO OUTER SHELF | - | - |
| TEXACO STAR DEEP | - | - |
| SUB - TOTAL PSC | 425.00 | 2,497.000 |
| SERVICE CONTRACT (SC) | | |
| NPDC/AENR | - | - |
| SUB - TOTAL PSC | - | - |
| GRAND TOTAL | 668.79 | 4,394.690 |

Source: NAPIMS

Table 1b

Seismic Activities:- January - December, 2002
Processing & Re-processing.

| | | |
|------------------------------|--------|------------|
| JV COYS | | |
| SHELL | - | 7,807.000 |
| MOBIL | - | 1,400.000 |
| CHEVRON | 105.00 | 3,108.400 |
| ELF | - | - |
| NAOC | - | - |
| TEXACO | - | - |
| PAN-OCEAN | - | - |
| SUB - TOTAL JV | 105.00 | 12,315.400 |
| PSC COYS | | |
| ADDAX PET. | - | 147.000 |
| ADDAX EXPL. | - | - |
| SNEPCO | - | 4,084.000 |
| STATOIL/BP | - | - |
| CONOCO | - | - |
| EXXON MOBIL | - | - |
| NAOC (PSC) | - | 700.000 |
| CHEVERON (PSC) | - | - |
| ELF (PSC) | - | - |
| TEXACO OUTER SHELF | - | - |
| TEXACO STAR DEEP | - | - |
| SUB - TOTAL PSC | - | 4,931.000 |
| SERVICE CONTRACT (SC) | | |
| NPDC/AENR | - | 554.000 |
| SUB - TOTAL PSC | - | 554.000 |
| GRAND TOTAL | 105.00 | 17,800.400 |

Table 2a

Rig Operations by Company:- January - December, 2002

| <i>Company</i> | <i>Total Number of Drilling Rigs</i> | <i>Hoist</i> | <i>Offshore</i> | <i>Onshore Land/Swamp</i> |
|------------------------------|--------------------------------------|--------------|-----------------|---------------------------|
| JV COYS | | | | |
| SHELL | 11 | - | 5 | 6 |
| MOBIL | 5 | - | 5 | - |
| CHEVRON | 4 | - | 4 | - |
| ELF | 2 | - | - | 2 |
| NAOC | 6 | - | 4 | 2 |
| TEXACO | 1 | - | 1 | - |
| PAN-OCEAN | 1 | - | - | 1 |
| SUB - TOTAL JV | 30 | - | 19 | 11 |
| PSC COYS | | | | |
| ADDAX PET. | 2 | - | 2 | - |
| ADDAX EXPL. | - | - | - | - |
| SNEPCO | 2 | - | 2 | - |
| STATOIL/BP | 1 | - | 1 | - |
| CONOCO | 1 | - | 1 | - |
| EXXON MOBIL | 1 | - | 1 | - |
| NAOC (PSC) | 2 | - | 2 | - |
| CHEVERON (PSC) | - | - | - | - |
| ELF (PSC) | 1 | - | 1 | - |
| TEXACO OUTER SHELF | 1 | - | 1 | - |
| TEXACO STAR DEEP | - | - | - | - |
| SUB - TOTAL PSC | 11 | - | 11 | - |
| SERVICE CONTRACT (SC) | | | | |
| NPDC/AENR | - | - | - | - |
| SUB - TOTAL PSC | - | - | - | - |
| TOTAL | 41 | - | 30 | 11 |

Source: NAPIMS

Table 2b

Drilling Summary by Company:- January - December, 2002

| Company | Exploratory/ Appraisal | Appraisal | Development | Workover | Total |
|------------------------------|------------------------|-----------|-------------|-----------|------------|
| JV COYS | | | | | |
| SHELL | 6 | - | 48 | 16 | 70 |
| MOBIL | 9 | - | 49 | 13 | 71 |
| CHEVRON | 4 | - | 42 | 6 | 52 |
| ELF | - | - | 3 | - | 3 |
| NAOC | 4 | - | 10 | 2 | 16 |
| TEXACO | - | - | 2 | - | 2 |
| PAN-OCEAN | - | - | 1 | - | 1 |
| SUB - TOTAL JV | 23 | - | 155 | 37 | 215 |
| PSC COYS | | | | | |
| ADDAX PET. | - | - | 16 | - | 16 |
| ADDAX EXPL. | - | - | - | - | - |
| SNEPCO | 3 | - | 9 | - | 12 |
| STATOIL/BP | 1 | - | - | - | 1 |
| CONOCO | 1 | - | - | - | 1 |
| EXXON MOBIL | 2 | - | - | - | 2 |
| NAOC (PSC) | 1 | - | 3 | - | 4 |
| CHEVERON (PSC) | - | - | - | - | - |
| ELF (PSC) | 2 | - | - | - | 2 |
| TEXACO OUTER SHELF | 1 | - | - | - | 1 |
| TEXACO STAR DEEP | - | - | - | - | - |
| SUB - TOTAL PSC | 11 | - | 28 | - | 39 |
| SERVICE CONTRACT (SC) | | | | | |
| NPDC/AENR | - | - | - | - | - |
| SUB - TOTAL PSC | - | - | - | - | 0 |
| TOTAL | 34 | - | 183 | 37 | 254 |

Source: NAPIMS

Table 3**Summary of Crude Oil Production Compiled From Company's Monthly Report - January - December 2002**

| COMPANY | CRUDE OIL PRODUCTION | | DAILY AVERAGE (BARREL) | % OF TOTAL PRODUCTION |
|-------------------------------|----------------------|--------------------|---------------------------|--------------------------|
| | bbls | m3 | | |
| JOINT VENTURE: | | | | |
| SHELL | 264,230,550 | 42,009,222 | 723,919 | 37.76 |
| MOBIL | 184,126,142 | 29,273,663 | 504,455 | 26.31 |
| CHEVRON | 128,564,264 | 20,440,047 | 352,231 | 18.37 |
| ELF | 48,622,483 | 21,389,974 | 133,212 | 6.95 |
| NAOC | 54,602,274 | 8,681,052 | 149,595 | 7.80 |
| TEXACO | 8,819,802 | 1,402,234 | 24,164 | 1.26 |
| PAN-OCEAN | 4,328,841 | 688,229 | 11,860 | 0.62 |
| Sub - Total | 693,294,356 | 123,884,421 | 1,899,437 | 99.08 |
| SOLE RISK/INDEPENDENT: | | | | |
| NPDC | 6,432,436 | 1,022,674 | 17,623 | 0.92 |
| Sub - Total | 6,432,436 | 1,022,674 | 17,623 | 0.92 |
| GRAND- TOTAL | 699,726,792 | 124,907,094 | 1,917,060 | 100.00 |

NOTE: This does not include information from other nine (9) indigenous and production sharing companies.

Also, the figures are primary data (not fiscalised) and therefore might not completely tally with figures in Table 4a, 4b & 4c.

Table 3a

Crude oil, Gas and Water Production - January - December, 2002

Company: Shell

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|----------------|-----------------|----------------------|-----------|----------------------|-------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | | |
| ABIGBORODO | 12 | 197,933 | 31,469 | 722,662 | 20,463,511 | 37.13 | 650.28 |
| ABURA | 47 | 950,767 | 151,160 | 928,611 | 26,295,338 | 41.22 | 173.96 |
| AFIESERE | 226 | 3,172,840 | 504,440 | 1,200,906 | 34,005,875 | 23.95 | 67.41 |
| AFREMO | 36 | 1,764,750 | 280,572 | 1,727,463 | 48,916,311 | 35.56 | 174.34 |
| AGBAYA | 12 | 634,439 | 100,868 | 832,420 | 23,571,512 | 45.20 | 233.69 |
| AJATITON | 8 | 234,202 | 37,235 | 164,224 | 4,650,306 | 21.34 | 124.89 |
| AJUJU | 10 | 241,822 | 38,447 | 121,489 | 3,440,186 | 25.20 | 89.48 |
| AKONO | 5 | 116,784 | 18,567 | 113,416 | 3,211,584 | 19.09 | 172.97 |
| AMUKPE | 12 | 292,520 | 46,507 | 42,093 | 1,191,941 | 41.79 | 25.63 |
| BATAN | 50 | 1,780,489 | 283,075 | 449,271 | 12,721,940 | 23.87 | 44.94 |
| BENISEDE | 37 | 1,947,260 | 309,589 | 692,242 | 19,602,113 | 27.03 | 63.32 |
| EGWA | 130 | 4,411,344 | 701,346 | 7,558,528 | 214,033,704 | 35.62 | 305.18 |
| ERIEMU | 105 | 1,084,149 | 172,366 | 564,977 | 15,998,369 | 21.87 | 92.82 |
| ESCRAVOS BEACH | 91 | 2,438,475 | 387,686 | 2,912,824 | 82,482,000 | 27.70 | 212.75 |
| EVWRENI | 37 | 250,188 | 39,777 | 134,419 | 3,806,323 | 24.03 | 95.69 |
| FORCADOS YOKRI | 484 | 17,555,186 | 2,791,046 | 7,534,881 | 213,364,095 | 25.09 | 76.45 |
| ISOKO | 40 | 2,020,981 | 321,310 | 927,168 | 26,254,477 | 28.65 | 81.71 |
| JONES CREEK | 177 | 5,403,436 | 859,076 | 2,723,806 | 77,129,606 | 26.68 | 89.78 |
| KANBO | 35 | 2,100,536 | 333,958 | 2,234,263 | 63,267,290 | 34.15 | 189.45 |
| KOKORI | 129 | 3,430,079 | 545,338 | 1,310,090 | 37,097,622 | 43.08 | 68.03 |
| OBEN | 132 | 2,423,128 | 385,246 | 28,062,856 | 794,651,684 | 38.05 | 2,062.71 |
| ODIDI | 214 | 5,551,407 | 882,602 | 13,481,597 | 381,756,360 | 33.15 | 432.54 |
| OGBOTOBO | 71 | 7,062,567 | 1,122,856 | 4,077,483 | 115,461,474 | 25.18 | 102.83 |
| OGINI | 61 | 980,528 | 155,891 | 303,220 | 8,586,235 | 21.66 | 55.08 |
| OLOMORO/OLEH | 208 | 4,292,496 | 682,451 | 1,266,796 | 35,871,672 | 23.87 | 52.56 |
| OPUKUSHI NORTH | 31 | 2,001,234 | 318,170 | 804,757 | 22,788,183 | 30.90 | 71.62 |
| OPOMOYO | 5 | 1,205,496 | 191,658 | 1,492,375 | 42,259,359 | 22.91 | 220.49 |
| OPUAMA | 23 | 1,200,308 | 190,833 | 579,413 | 16,407,151 | 45.64 | 85.98 |
| OPUKUSHI | 136 | 7,377,917 | 1,172,993 | 5,840,356 | 165,380,485 | 35.96 | 140.99 |
| ORONI | 45 | 492,756 | 78,342 | 283,573 | 8,029,894 | 23.10 | 102.50 |
| OTUMARA | 328 | 10,627,706 | 1,689,667 | 8,070,299 | 228,525,446 | 26.35 | 135.25 |
| OVBOR | 32 | 3,414,157 | 542,807 | 213,409 | 6,043,071 | 45.38 | 11.13 |

Quantity of Water Produced not indicated

Table 3a Contd.

Crude oil, Gas and Water Production - January - December, 2002

Company: Shell

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|-------------------|-----------------|----------------------|-----------|----------------------|---------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | | |
| OWEH | 78 | 1,767,494 | 281,009 | 819,688 | 23,210,982 | 24.83 | 82.60 |
| SAGHARA | 34 | 969,126 | 154,078 | 464,415 | 13,150,770 | 31.45 | 85.35 |
| SAPELE | 127 | 3,056,787 | 485,989 | 13,399,518 | 379,432,141 | 39.09 | 780.74 |
| TUNU | 100 | 12,879,682 | 2,047,702 | 12,435,678 | 352,139,229 | 31.47 | 171.97 |
| UBEFAN | 4 | 102,231 | 16,253 | 101,478 | 2,873,537 | 23.84 | 176.80 |
| UGHELLI EAST | 67 | 1,191,293 | 189,400 | 12,859,954 | 364,153,388 | 39.88 | 1,922.67 |
| UGHELLI WEST | 68 | 1,254,757 | 199,490 | 448,738 | 12,706,847 | 20.86 | 63.70 |
| UTOROGO | 161 | 2,343,144 | 372,529 | 47,960,340 | 1,358,085,754 | 36.26 | 3,645.58 |
| UZERE EAST | 73 | 1,076,726 | 171,185 | 658,079 | 18,634,724 | 20.99 | 108.86 |
| UZERE WEST | 49 | 603,674 | 95,976 | 187,996 | 5,323,455 | 25.27 | 55.47 |
| ADIBAWA | 46 | 991,204 | 157,589 | 946,073 | 26,789,807 | 27.06 | 170.00 |
| ADIBAWA N/EAST | 13 | 673,795 | 107,125 | 457,875 | 12,965,578 | 26.71 | 121.03 |
| AGBADA | 186 | 4,487,041 | 713,381 | 3,247,492 | 91,958,744 | 22.70 | 128.91 |
| AHIA | 43 | 937,256 | 149,012 | 2,244,974 | 63,570,592 | 36.58 | 426.62 |
| AKASO | 65 | 3,984,441 | 633,474 | 5,284,722 | 149,646,680 | 38.26 | 236.23 |
| ALAKIRI | 54 | 577,021 | 91,739 | 6,844,891 | 193,825,752 | 40.25 | 2,112.80 |
| ASSA | 10 | 39,511 | 6,282 | 12,845 | 363,730 | 21.54 | 57.90 |
| AWOBA | 41 | 5,034,724 | 800,456 | 5,555,521 | 157,314,855 | 37.94 | 196.53 |
| BELEMA | 79 | 7,435,882 | 1,182,209 | 7,898,357 | 223,656,590 | 41.21 | 189.19 |
| BELEMA NORTH | 50 | 3,957,351 | 629,167 | 3,613,220 | 102,315,009 | 33.51 | 162.62 |
| BISENI | 4 | 51,047 | 8,116 | 823,440 | 23,317,227 | 32.25 | 2,873.06 |
| BONNY | 23 | 330,980 | 52,622 | 881,498 | 24,961,247 | 27.20 | 474.35 |
| BUGUMA CREEK | 20 | 264,080 | 41,985 | 807,963 | 22,878,967 | 20.38 | 544.93 |
| CAWTHORNE CHANNEL | 68 | 5,003,284 | 795,457 | 6,506,063 | 184,231,210 | 22.70 | 231.60 |
| DIEBU CREEK | 143 | 11,362,202 | 1,806,442 | 15,790,599 | 447,140,023 | 40.05 | 247.53 |
| EGBEMA | 40 | 2,776,975 | 441,503 | 4,686,935 | 132,719,235 | 40.95 | 300.61 |
| EGBEMA WEST | 35 | 1,014,696 | 161,323 | 634,324 | 17,962,058 | 41.49 | 111.34 |
| EKULAMA | 75 | 3,034,114 | 482,385 | 3,286,979 | 93,076,891 | 35.51 | 192.95 |

Quantity of Water Produced not indicated

Table 3a Contd.

Crude oil, Gas and Water Production - January - December, 2002

Company: Shell

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------------|-----------------|----------------------|-------------------|----------------------|-----------------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | | |
| ELELENWA | 120 | 6,213,689 | 987,896 | 6,047,369 | 171,242,441 | 34.20 | 173.34 |
| ENWHE | 24 | 1,829,695 | 290,898 | 1,366,758 | 48,266,597 | 29.54 | 165.92 |
| ETELEBOU | 10 | 404,445 | 64,301 | 382,166 | 10,821,737 | 22.73 | 168.30 |
| GBARAN | 41 | 2,027,393 | 322,329 | 3,662,962 | 103,723,546 | 32.30 | 321.79 |
| IMO RIVER | 156 | 7,393,908 | 1,175,535 | 7,121,973 | 201,671,841 | 33.11 | 171.56 |
| ISIMIRI | 198 | 6,516,384 | 1,036,020 | 3,066,106 | 86,822,464 | 29.60 | 83.80 |
| ISU | 18 | 447,444 | 71,138 | 415,278 | 11,759,365 | 21.36 | 165.30 |
| KALAEKULE | 37 | 1,676,488 | 266,540 | 4,719,244 | 133,634,124 | 20.18 | 501.37 |
| KOLO CREEK | 46 | 1,564,896 | 248,798 | 6,023,398 | 170,563,658 | 39.96 | 685.55 |
| KRAKAMA | 84 | 2,367,496 | 376,401 | 7,741,094 | 219,203,398 | 33.41 | 582.37 |
| MINI NTA | 39 | 1,880,181 | 298,924 | 2,472,268 | 70,006,842 | 35.00 | 234.20 |
| NEMBE CREEK EAST | 36 | 2,674,525 | 425,215 | 3,371,760 | 95,477,622 | 37.19 | 224.54 |
| NEMBE CREEK | 152 | 8,283,039 | 1,316,896 | 6,322,370 | 179,029,603 | 34.72 | 135.95 |
| NKALI | 156 | 11,855,335 | 1,884,844 | 7,405,873 | 209,710,995 | 22.00 | 111.26 |
| NUN RIVER | 40 | 2,215,648 | 352,259 | 3,156,151 | 89,372,254 | 29.81 | 253.71 |
| OBEAKPU | 42 | 2,492,050 | 396,204 | 4,755,210 | 134,652,568 | 20.82 | 339.86 |
| OBELE | 9 | 230,054 | 36,576 | 130,699 | 3,700,984 | 24.37 | 101.19 |
| OBIGBO NORTH | 117 | 2,030,293 | 322,790 | 10,919,880 | 309,216,604 | 26.10 | 957.95 |
| ODEAMA CREEK | 124 | 4,669,605 | 742,406 | 12,842,798 | 363,667,585 | 31.47 | 489.85 |
| OGUTA | 63 | 2,871,479 | 456,528 | 5,529,590 | 156,580,571 | 38.23 | 342.98 |
| ORUBIRI | 59 | 1,057,776 | 168,173 | 4,093,154 | 115,905,228 | 37.47 | 689.20 |
| OTAMINI | 18 | 467,335 | 74,300 | 795,022 | 22,512,519 | 25.46 | 302.99 |
| RUMUEKPE | 16 | 422,704 | 67,204 | 392,794 | 11,122,689 | 26.14 | 165.51 |
| SANTA BARBARA | 19 | 1,685,582 | 267,986 | 860,749 | 24,373,700 | 31.35 | 90.95 |
| SANTA BARBARA SOUTH | 22 | 2,842,932 | 451,989 | 1,812,480 | 51,323,724 | 32.48 | 113.55 |
| SOKU | 168 | 6,451,926 | 1,025,772 | 77,842,832 | 2,204,263,797 | 41.17 | 2,148.88 |
| UBIE | 187 | 7,048,761 | 1,120,661 | 87,561,933 | 2,479,478,122 | 35.59 | 2,212.51 |
| UGADA | 22 | 322,021 | 51,197 | 241,585 | 6,840,926 | 34.51 | 133.62 |
| UMUECHEM | 24 | 429,068 | 68,216 | 637,568 | 18,053,917 | 40.21 | 264.66 |
| TOTAL | 6,772 | 264,230,550 | 42,009,222 | 527,922,606 | 14,958,669,562 | | 356.08 |

NOTE: Total Oil produced includes Condensate.
Quantity of Water Produced not indicated

Table 3b.

Crude oil, Gas and Water Production - January - December, 2002

Company: Mobil

| NAME OF FIELD | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|----------------------|-------------------|----------------------|-----------------------|------------------------|------------------|-------------|-----------------|
| | bbls | m3 | mscf | m3 | bbls | m3 | | |
| ADUA | 1,550,283 | 246,475 | 11,318,143 | 320,494,145 | 11,318,143 | 1,799,438 | 34.43 | 1,300.31 |
| ASABO | 5,598,031 | 890,014 | 15,670,982 | 443,752,860 | 466,747 | 74,207 | 33.55 | 498.59 |
| ASABO "D" | 1,724,946 | 274,244 | 3,083,006 | 87,301,028 | 172,249 | 27,385 | 33.55 | 318.33 |
| ASASA | 11,584,489 | 1,841,783 | 20,528,712 | 581,308,457 | 13,730 | 2,183 | 37.38 | 315.62 |
| EDOP | 26,672,384 | 4,240,562 | 40,101,516 | 1,135,548,607 | 299,516 | 47,619 | 37.38 | 267.78 |
| EKPE | 2,310,172 | 367,287 | 8,641,739 | 244,706,816 | 2,029,197 | 322,616 | 34.43 | 666.25 |
| EKU | 1,964,520 | 312,333 | 3,529,441 | 99,942,654 | 345,020 | 54,854 | 34.43 | 319.99 |
| EKPE WW | 2,595,050 | 412,579 | 1,984,765 | 56,202,298 | 27,150 | 4,316 | 31.53 | 136.22 |
| ENANG | 10,342,802 | 1,644,371 | 7,481,962 | 211,865,598 | 339,653 | 54,000 | 32.08 | 128.84 |
| ETIM/ETIMC | 15,426,150 | 2,452,557 | 20,248,844 | 573,383,469 | 127,091 | 20,206 | 40.69 | 233.79 |
| IDOHO | 761,257 | 121,030 | 3,545,404 | 100,394,678 | 0 | 0 | 37.03 | 829.50 |
| INANGA | 4,702,233 | 747,594 | 3,050,020 | 86,366,949 | 276,599 | 43,976 | 37.03 | 115.53 |
| INIM | 4,198,494 | 667,506 | 3,378,137 | 95,658,195 | 973,963 | 154,847 | 32.13 | 143.31 |
| ISOBO | 2,721,195 | 432,635 | 1,201,078 | 34,010,758 | 51,070 | 8,119 | 31.53 | 78.61 |
| IYAK | 1,321,804 | 210,150 | 1,073,686 | 30,403,418 | 577,749 | 91,855 | 37.03 | 144.68 |
| IYAK SE | 230,092 | 36,582 | 553,398 | 15,670,477 | 50,525 | 8,033 | 34.69 | 428.37 |
| MFEM | 1,562,798 | 248,465 | 1,381,021 | 39,106,159 | 28,412 | 4,517 | 31.53 | 157.39 |
| OSO | 32,684,231 | 5,196,368 | 158,794,288 | 4,496,554,021 | 295,302 | 46,949 | 48.03 | 865.33 |
| UBIT | 22,432,852 | 3,566,532 | 17,403,350 | 492,808,060 | 2,590,728 | 411,892 | 31.53 | 138.18 |
| UNAM | 8,991,162 | 1,429,478 | 4,769,774 | 135,064,988 | 612,293 | 97,347 | 31.53 | 94.49 |
| USARI | 23,163,164 | 3,682,642 | 49,304,251 | 1,396,141,072 | 2,149,196 | 341,694 | 35.70 | 379.11 |
| UTUE | 1,588,033 | 252,477 | 1,307,152 | 37,014,421 | 1,117,479 | 177,665 | 34.69 | 146.61 |
| TOTAL | 184,126,142 | 29,273,663 | 378,350,669 | 10,713,699,129 | 23,861,812 | 3,793,718 | | 365.98 |

Table 3c

Crude oil, Gas and Water Production - January - December, 2002

Company: Chevron

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|-----------------|----------------------|-------------------|----------------------|----------------------|------------------------|-------------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | bbls | m3 | | |
| ABITEYE | 132 | 1,708,488 | 271,627 | 4,491,058 | 127,172,616 | 2,938,597 | 2,938,597 | 37.52 | 468.19 |
| UTONANA | 49 | 1,871,436 | 297,534 | 2,536,594 | 71,828,352 | 105,587 | 105,587 | 38.54 | 241.41 |
| MAKARABA | 178 | 3,242,844 | 515,570 | 4,273,441 | 121,010,388 | 5,302,663 | 5,302,663 | 30.99 | 234.71 |
| OPUEKEBA | 43 | 1,864,635 | 296,453 | 2,072,923 | 58,698,650 | 27,930 | 27,930 | 37.18 | 198.00 |
| DIBI | 159 | 6,357,783 | 1,010,805 | 8,094,796 | 229,219,124 | 194,183 | 194,183 | 31.15 | 226.77 |
| JISIKE | 38 | 600,810 | 95,521 | 489,213 | 13,852,971 | 111,154 | 111,154 | 32.59 | 145.03 |
| ROBERKIRI | 12 | 499,925 | 79,482 | 1,270,852 | 35,986,525 | 161,896 | 161,896 | 37.33 | 452.77 |
| IDAMA | 24 | 919,391 | 146,171 | 753,519 | 21,337,284 | 153,904 | 153,904 | 32.90 | 145.97 |
| ABIGBORODO | 12 | 197,933 | 31,469 | 1,703,143 | 48,227,645 | 43,131 | 43,131 | 44.18 | 1,532.56 |
| BALEMA NORTH | 12 | 727,329 | 115,636 | 0 | 0 | 0 | 0 | 32.18 | 0.00 |
| JOKKA | 12 | 38,118 | 6,060 | 24,256 | 686,854 | 15,921 | 15,921 | 36.23 | 113.34 |
| BENIN RIVER | 111 | 6,939,618 | 1,103,309 | 7,666,455 | 217,089,856 | 3,376,412 | 3,376,412 | 34.72 | 196.76 |
| GBOKODA | 303 | 9,957,014 | 1,583,036 | 915,649 | 25,928,295 | 1,335,992 | 1,335,992 | 37.82 | 16.38 |
| DELTA SOUTH | 165 | 8,135,384 | 1,293,420 | 8,004,279 | 226,655,968 | 2,748,101 | 2,748,101 | 38.39 | 175.24 |
| DELTA | 240 | 9,725,095 | 1,546,164 | 11,711,493 | 331,632,591 | 2,007,193 | 2,007,193 | 36.80 | 214.49 |
| ISAN | 49 | 772,792 | 122,864 | 1,354,637 | 38,359,053 | 508,947 | 508,947 | 40.44 | 312.21 |
| WEST ISAN | 31 | 172,328 | 27,398 | 1,014,177 | 28,718,298 | 832,043 | 832,043 | 37.38 | 1,048.19 |
| EWAN | 108 | 2,892,277 | 459,834 | 2,084,240 | 59,019,111 | 116,975 | 116,975 | 32.75 | 128.35 |
| OKAN | 629 | 17,472,230 | 2,777,857 | 69,924,816 | 1,980,050,526 | 6,271,350 | 6,271,350 | 38.81 | 712.80 |
| MEFA | 98 | 2,791,275 | 443,776 | 682,090 | 19,314,640 | 1,377,550 | 1,377,550 | 35.60 | 43.52 |
| MEJI | 220 | 7,718,093 | 1,227,076 | 8,196,420 | 232,096,796 | 1,621,570 | 1,621,570 | 33.89 | 189.15 |
| MEREN | 656 | 26,157,946 | 4,158,773 | 31,190,494 | 883,216,540 | 12,271,507 | 12,271,507 | 35.60 | 212.37 |
| TAPA | 53 | 1,133,852 | 180,268 | 3,168,516 | 89,722,392 | 879,146 | 879,146 | 30.63 | 497.72 |
| PARABE | 195 | 3,259,546 | 518,225 | 12,943,689 | 366,524,500 | 2,558,027 | 2,558,027 | 34.88 | 707.27 |
| MALU | 130 | 4,562,038 | 725,305 | 6,558,446 | 185,714,532 | 1,850,170 | 1,850,170 | 40.36 | 256.05 |
| MINA | 14 | 132,232 | 21,023 | 123,938 | 3,509,534 | 270,239 | 270,239 | 35.75 | 166.94 |
| INDA | 48 | 3,805,471 | 605,020 | 2,625,497 | 74,345,805 | 572,911 | 572,911 | 41.97 | 122.88 |
| MEJO | 36 | 2,075,159 | 329,923 | 573,517 | 16,240,195 | 110,040 | 110,040 | 30.68 | 49.22 |
| KITO | 12 | 421,477 | 67,009 | 107,515 | 3,044,486 | 23,111 | 23,111 | 31.77 | 45.43 |
| OPOLO | 45 | 2,411,745 | 383,436 | 2,578,243 | 73,007,720 | 1,056,495 | 1,056,495 | 37.06 | 190.40 |
| TOTAL | 3,814 | 128,564,264 | 20,440,047 | 197,133,906 | 5,582,211,246 | 48,842,745 | 48,842,745 | | 273.10 |

Table 3d.

Crude oil, Gas and Water Production - January - December, 2002

Company: Elf

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|-----------------|----------------------|-------------------|----------------------|----------------------|------------------------|------------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | bbls | m3 | | |
| AGHIGHO | 192 | 783,939 | 124,636 | 372,086 | 10,536,310 | 5,115,784 | 813,248 | 27.71 | 84.54 |
| OBODO | 141 | 753,621 | 119,816 | 623,695 | 17,661,090 | 5,853,269 | 930,485 | 27.71 | 147.40 |
| OKPOKO | 4 | 77 | 12 | 0 | 0 | 220 | 35 | 27.71 | 0.00 |
| UPOMAMI | 119 | 378,642 | 1,387,376 | 202,425 | 5,732,050 | 1,387,376 | 220,549 | 27.71 | 4.13 |
| EREMA | 12 | 7,713 | 145,049 | 11,271 | 319,150 | 145,049 | 23,058 | 28.88 | 2.20 |
| OBAGI | 803 | 9,217,873 | 13,654,153 | 27,091,947 | 767,158,590 | 13,654,153 | 2,170,580 | 28.85 | 56.18 |
| OLO | 22 | 352,642 | 56,065 | 514,905 | 14,580,480 | 572,892 | 91,072 | 28.85 | 260.06 |
| IBEWA | 85 | 4,704,003 | 747,875 | 61,409,941 | 1,738,936,086 | 0 | 0 | 28.85 | 2,325.17 |
| OBAGI GAS-CAP | 12 | 0 | 0 | 1,568,969 | 44,428,269 | 0 | 0 | 28.85 | 0.00 |
| AFIA | 116 | 2,814,359 | 447,446 | 1,101,998 | 31,205,120 | 3,459,991 | 550,030 | 31.46 | 69.74 |
| EDIKAN | 83 | 5,870,099 | 933,269 | 5,447,636 | 154,259,880 | 865,280 | 137,552 | 31.46 | 165.29 |
| IME | 96 | 4,969,836 | 790,139 | 3,154,127 | 89,314,940 | 3,509,978 | 557,976 | 31.46 | 113.04 |
| ODUDU | 75 | 1,679,363 | 266,997 | 4,931,133 | 139,634,150 | 5,430,711 | 863,312 | 31.46 | 522.98 |
| OFON | 179 | 17,090,317 | 2,717,138 | 16,013,966 | 453,465,080 | 607,304 | 96,542 | 31.46 | 166.89 |
| TOTAL | 1,939 | 48,622,483 | 21,389,974 | 122,444,099 | 3,467,231,195 | 40,602,006 | 6,454,440 | | 162.10 |

Table 3e

Crude oil, Gas and Water Production - January - December, 2002

Company: NAOC

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|-----------------|----------------------|------------------|----------------------|-----------------------|------------------------|------------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | bbls | m3 | | |
| AFUA | 26 | 1,264,657 | 201,064 | 1,850,247 | 52,393,167 | 0 | 50,327 | N/A | 260.58 |
| AGWE | 19 | 203,606 | 32,371 | 3,570,330 | 101,100,499 | 1,612 | 256 | 49.23 | 3,123.21 |
| AKRI | 112 | 2,617,440 | 416,139 | 17,108,088 | 484,447,162 | 1,646,436 | 261,762 | 41.53 | 1,164.15 |
| AKRI WEST | 3 | 54,191 | 8,616 | 143,708 | 4,069,358 | 51,656 | 8,213 | 3.04 | 472.32 |
| ASHAKA | 16 | 453,494 | 72,100 | 1,025,292 | 29,033,040 | 392,376 | 62,383 | 36.54 | 402.68 |
| AZUZUAMA | 33 | 514,771 | 81,842 | 1,540,832 | 43,631,509 | 535,234 | 85,095 | 33.46 | 533.12 |
| BENIBOYE | 146 | 4,247,895 | 675,360 | 5,829,725 | 165,079,448 | 3,985,270 | 633,606 | 32.04 | 244.43 |
| BENIKU | 6 | 125,296 | 19,920 | 824,653 | 23,351,575 | 33,653 | 5,350 | 2.86 | 1,172.24 |
| CLOUGH CREEK | 106 | 1,732,778 | 275,489 | 1,263,787 | 35,786,467 | 2,287,730 | 363,719 | 35.23 | 129.90 |
| EBEGORO | 83 | 1,638,265 | 260,463 | 10,476,010 | 296,647,604 | 477,510 | 75,918 | 34.03 | 1,138.92 |
| EBEGORO SOUTH | 19 | 457,403 | 72,721 | 4,391,810 | 124,362,225 | 314,169 | 49,949 | 43.66 | 1,710.13 |
| EBOCHA | 190 | 4,614,696 | 733,677 | 17,280,663 | 489,333,942 | 1,745,478 | 277,508 | 31.49 | 666.96 |
| IDU | 104 | 4,446,472 | 706,931 | 16,438,371 | 465,482,886 | 1,020,262 | 162,208 | 32.54 | 658.46 |
| KWALE | 158 | 3,005,002 | 477,756 | 39,626,682 | 1,122,102,810 | 583,727 | 92,805 | 36.20 | 2,348.69 |
| KWALE EAST | 1 | 24,257 | 3,857 | 1,375 | 38,936 | 2,695 | 428 | 1.51 | 10.10 |
| MBEDE | 241 | 3,960,202 | 629,621 | 49,339,398 | 1,397,136,332 | 1,707,794 | 271,517 | 39.70 | 2,219.01 |
| OBAMA | 45 | 1,061,270 | 168,728 | 9,510,211 | 269,299,218 | 168,384 | 26,771 | 30.11 | 1,596.05 |
| OBIAFU | 123 | 2,904,467 | 461,772 | 8,673,522 | 245,606,821 | 2,165,598 | 344,302 | 30.53 | 531.88 |
| OBRIKOM | 390 | 9,157,870 | 1,455,982 | 101,443,147 | 2,872,550,377 | 1,347,185 | 214,185 | 40.57 | 1,972.93 |
| ODUGRI | 134 | 2,511,490 | 399,294 | 25,630,898 | 725,786,294 | 967,663 | 153,846 | 37.73 | 1,817.67 |
| OGBAINBIRI | 13 | 355,320 | 56,491 | 2,248,105 | 63,659,252 | 197,144 | 31,343 | 36.00 | 1,126.89 |
| OGBOGENE | 92 | 3,230,575 | 513,619 | 4,573,779 | 129,515,014 | 2,401,570 | 381,818 | 30.69 | 252.16 |
| OKPAI | 8 | 78,153 | 12,425 | 813,186 | 23,026,866 | 46,900 | 7,456 | 46.12 | 1,853.22 |
| OMOKU WEST | 36 | 685,739 | 109,024 | 5,461,012 | 154,638,658 | 233,443 | 37,114 | 42.13 | 1,418.40 |
| OSHI | 14 | 210,099 | 33,403 | 1,058,594 | 29,976,048 | 420,410 | 66,840 | 34.47 | 897.41 |
| PIRIGBENE | 162 | 4,835,393 | 768,765 | 31,683,986 | 897,190,679 | 2,555,536 | 406,297 | 33.79 | 1,167.06 |
| TAYLOR CREEK | 32 | 525,384 | 83,529 | 1,131,000 | 32,026,357 | 727,555 | 115,672 | 39.54 | 383.41 |
| TEBIDABA | 19 | 723,348 | 115,003 | 2,585,075 | 73,201,181 | 147,753 | 23,491 | 46.27 | 636.52 |
| UMUORU | 14 | 227,398 | 36,153 | 267,953 | 7,587,585 | 296,269 | 47,103 | 37.13 | 209.87 |
| TOTAL | 2,319 | 54,602,274 | 8,681,052 | 363,941,192 | 10,305,668,143 | 26,461,012 | 4,206,957 | | 1,187.15 |

Table 3f**Crude oil, Gas and Water Production - January - December, 2002***Company: Texaco*

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|----------------------|------------------------|-----------------------------|------------------|-----------------------------|--------------------|-------------------------------|------------------|--------------------|------------------------|
| | | <i>bbls</i> | <i>m3</i> | <i>mscf</i> | <i>m3</i> | <i>bbls</i> | <i>m3</i> | | |
| PENNINGTON | 68 | 754,930 | 120,024 | 2,074,936 | 58,755,651 | 1,374,797 | 218,575 | 32.46 | 489.53 |
| MIDDLETON | 23 | 132,850 | 21,121 | 475,082 | 13,452,826 | 153,712 | 24,438 | 35.68 | 636.93 |
| NORTH APOI | 234 | 3,445,486 | 547,787 | 4,222,713 | 119,573,931 | 3,488,663 | 554,652 | 35.51 | 218.29 |
| FUNIWA | 170 | 4,159,765 | 661,349 | 11,114,817 | 314,736,606 | 3,735,271 | 593,860 | 31.88 | 475.90 |
| OKUBIE | 27 | 326,771 | 51,952 | 2,327,916 | 65,919,248 | 817,020 | 129,896 | 31.86 | 1,268.84 |
| TOTAL | 522 | 8,819,802 | 1,402,234 | 20,215,464 | 572,438,262 | 9,569,463 | 1,521,420 | | 408.23 |

Table 3g**Crude oil, Gas and Water Production - January - December, 2002***Company: Pan Ocean*

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|-----------------|----------------------|----------------|----------------------|--------------------|------------------------|------------------|-------------|-----------------|
| | | bbls | m3 | mscf | m3 | bbls | m3 | | |
| ASABORO SOUTH | 22 | 285,688 | 45,421 | 724,577 | 20,517,738 | 2,228 | 2,228 | 46.90 | 451.73 |
| OGHAREFE | 108 | 1,145,784 | 182,165 | 2,906,351 | 82,298,705 | 3,325,482 | 3,325,482 | 44.87 | 451.78 |
| OLOGBO | 87 | 2,729,814 | 434,005 | 18,030,426 | 510,564,868 | 2,344,213 | 2,344,213 | 48.98 | 1,176.40 |
| ONA | 16 | 167,555 | 26,639 | 495,246 | 14,023,807 | 21,409 | 21,409 | N/A | 526.44 |
| TOTAL | 233 | 4,328,841 | 688,229 | 22,156,600 | 627,405,119 | 5,693,332 | 5,693,332 | | 911.62 |

Table 3h

Crude oil, Gas and Water Production - January - December, 2002

Company: NPDC

| NAME OF FIELD | NUMBER OF WELLS | QTY. OF OIL PRODUCED | | QTY. OF GAS PRODUCED | | QTY. OF WATER PRODUCED | | API GRAVITY | GAS / OIL RATIO |
|---------------|-----------------|----------------------|-----------|----------------------|-----------|------------------------|-----------|-------------|-----------------|
| | | <i>bbls</i> | <i>m3</i> | <i>mscf</i> | <i>m3</i> | <i>bbls</i> | <i>m3</i> | | |
| ABURA | 60 | 1,038,657 | 165,133 | 577,023 | 16,339 | 1,397,211 | 222,138 | 39.04 | 0.10 |
| OREDO | 36 | 794,982 | 126,392 | 1,605,044 | 45,450 | 65,227 | 10,370 | 46.78 | 0.36 |
| OZIENGBE S | 12 | 359,027 | 57,081 | 337,230 | 9,549 | 774 | 123 | N/A | 0.17 |
| OKONO | 25 | 4,239,770 | 674,068 | 5,100,795 | 144,438 | 20,536 | 3,265 | N/A | 0.21 |
| TOTAL | 133 | 6,432,436 | 1,022,674 | 7,620,091 | 215,777 | 1,483,748 | 235,897 | | 0.21 |

Table 4

Crude Oil Production by Company, Crude Stream - January - December, 2002

| (Barrels) | | | | | | | | | | | | | | |
|------------------------------|--------------------|--------------------|------------------|-------------------|--------------------|---------------------|-------------------|-------------------|------------------|--------------------|-------------------|------------------|--------------------|---------------------|
| CRUDE STREAM COMPANY | Forcados Blend | Bonny Light | Bonny Medium | Brass Blend | Escravos Light | Pennington Light | Antan Blend | Odudu Blend | IMA | Qua- Iboe Light | Oso Condensate | Ukpokiti | Total | PERCENTAGE SHARE |
| JV COMPANIES | | | | | | | | | | | | | | |
| SHELL | 118,734,874 | 142,832,054 | 0 | 835,797 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 262,402,725 | 36.15 |
| MOBIL | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 141,778,497 | 32,684,231 | 0 | 174,462,728 | 24.04 |
| CHEVRON | 163,935 | 5,485,939 | 0 | 381,232 | 111,845,569 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 117,876,675 | 16.24 |
| ELF | 1,797,468 | 10,342,191 | 3,929,668 | 0 | 0 | 0 | 0 | 32,369,830 | 0 | 0 | 0 | 0 | 48,439,157 | 6.67 |
| NAOC | 4,577,194 | 0 | 0 | 54,813,433 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 59,390,627 | 8.18 |
| TEXACO | 0 | 0 | 0 | 0 | 0 | 9,761,479 | 0 | 0 | 0 | 0 | 0 | 0 | 9,761,479 | 1.34 |
| PAN - OCEAN | 4,456,492 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,456,492 | 0.61 |
| Sub Total | 129,729,963 | 158,660,184 | 3,929,668 | 56,030,462 | 111,845,569 | 9,761,479 | 0 | 32,369,830 | 0 | 141,778,497 | 32,684,231 | 0 | 676,789,883 | 93.24 |
| PSC COMPANIES | | | | | | | | | | | | | | |
| ADDAX | 0 | 0 | 0 | 1,735,382 | 0 | 0 | 9,565,597 | 0 | 0 | 0 | 0 | 0 | 11,300,979 | 1.56 |
| Sub Total | 0 | 0 | 0 | 1,735,382 | 0 | 0 | 9,565,597 | 0 | 0 | 0 | 0 | 0 | 11,300,979 | 1.56 |
| SERVICE CONTRACT | | | | | | | | | | | | | | |
| AENR | 0 | 0 | 0 | 4,240,980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,240,980 | 0.58 |
| Sub Total | 0 | 0 | 0 | 4,240,980 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 4,240,980 | 0.58 |
| SOLE RISK/INDEPENDENT | | | | | | | | | | | | | | |
| NPDC | 2,923,128 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,923,128 | 0.40 |
| DUBRI | 0 | 0 | 0 | 0 | 139,282 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 139,282 | 0.02 |
| PHILLIPS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | #DIV/0! |
| CONOIL | 0 | 0 | 0 | 0 | 858,407 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 858,407 | 0.12 |
| EPGA/CONOCO | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5,825,169 | 5,825,169 | 0.80 |
| AMNI | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1,224,056 | 0 | 0 | 0 | 1,224,056 | 0.17 |
| ATLAS | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2,717,306 | 2,717,306 | 0.37 |
| CONTINENTAL OIL | 0 | 0 | 0 | 0 | 11,696,794 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 11,696,794 | 1.61 |
| MONI PULO | 0 | 0 | 0 | 0 | 0 | 0 | 8,144,005 | 0 | 0 | 0 | 0 | 0 | 8,144,005 | 1.12 |
| Sub Total | 2,923,128 | 0 | 0 | 0 | 12,694,483 | 0 | 8,144,005 | 0 | 1,224,056 | 0 | 0 | 8,542,475 | 33,528,147 | 4.62 |
| GRAND TOTAL | 132,653,091 | 158,660,184 | 3,929,668 | 62,006,824 | 124,540,052 | 9,761,479 | 17,709,602 | 32,369,830 | 1,224,056 | 141,778,497 | 32,684,231 | 8,542,475 | 725,859,989 | 100.00 |
| PERCENTAGE SHARE | 18.28 | 21.86 | 0.54 | 8.54 | 17.16 | 1.34 | 2.44 | 4.46 | 0.17 | 19.53 | 4.50 | 1.18 | 100.00 | |

Source: COMD

Table 4b

Monthly Analysis of Crude Oil Production by Crude Stream - January - December, 2002

(Barrels)

| CRUDE STREAM COMPANY | Forcados Blend | Bonny Light | Bonny Medium | Brass Blend | Escravos Light | Pennington Light | Antan Blend | Odudu Blend | IMA | Qua- Iboe Light | Oso Condensate | Ukpokiti | Total | PERCENTAGE SHARE |
|-------------------------|--------------------|--------------------|------------------|-------------------|--------------------|------------------|-------------------|-------------------|------------------|--------------------|-------------------|------------------|--------------------|------------------|
| JANUARY | 13,044,985 | 12,530,466 | 0 | 5,920,570 | 1,677,726 | 1,004,149 | 1,570,987 | 3,049,725 | 114,866 | 13,243,758 | 2,688,396 | 914,741 | 55,760,369 | 7.68 |
| FEBRUARY | 10,327,011 | 10,291,266 | 0 | 4,477,958 | 10,193,766 | 746,740 | 1,353,506 | 2,737,925 | 106,578 | 11,219,295 | 2,625,628 | 811,283 | 54,890,956 | 7.56 |
| MARCH | 9,880,942 | 12,822,150 | 0 | 5,506,698 | 11,524,329 | 944,440 | 1,455,215 | 2,941,861 | 114,490 | 11,572,513 | 2,826,402 | 863,726 | 60,452,766 | 8.33 |
| APRIL | 10,385,813 | 11,776,684 | 0 | 4,803,243 | 10,971,596 | 905,493 | 1,158,946 | 2,845,652 | 99,599 | 12,051,126 | 2,735,743 | 746,809 | 58,480,704 | 8.06 |
| MAY | 10,186,297 | 12,799,638 | 0 | 4,546,959 | 10,772,226 | 902,071 | 1,314,358 | 2,838,324 | 107,957 | 11,390,313 | 3,020,251 | 770,986 | 58,649,380 | 8.08 |
| JUNE | 10,258,807 | 12,127,545 | 0 | 4,118,005 | 10,624,170 | 868,411 | 1,440,203 | 2,621,097 | 104,524 | 11,239,058 | 2,541,267 | 736,731 | 56,679,818 | 7.81 |
| JULY | 9,770,899 | 14,877,451 | 0 | 4,967,155 | 6,229,220 | 829,652 | 1,398,494 | 2,672,524 | 107,427 | 11,649,599 | 2,545,865 | 700,382 | 55,748,668 | 7.68 |
| AUGUST | 13,148,258 | 14,405,390 | 0 | 5,018,124 | 11,904,121 | 787,629 | 1,441,957 | 2,790,993 | 105,103 | 12,807,679 | 2,433,219 | 679,572 | 65,522,045 | 9.03 |
| SEPTEMBER | 11,130,433 | 15,625,147 | 0 | 5,288,917 | 11,897,479 | 735,081 | 1,602,274 | 2,597,734 | 94,467 | 12,464,802 | 2,560,680 | 619,940 | 64,616,954 | 8.90 |
| OCTOBER | 10,923,701 | 12,833,292 | 1,255,315 | 5,563,321 | 12,086,019 | 682,908 | 1,636,093 | 2,660,419 | 95,978 | 11,346,510 | 2,746,453 | 568,906 | 62,398,915 | 8.60 |
| NOVEMBER | 11,273,726 | 14,131,138 | 1,333,879 | 5,857,039 | 12,543,206 | 670,327 | 1,625,658 | 2,481,694 | 84,640 | 11,834,761 | 2,971,087 | 570,587 | 65,377,742 | 9.01 |
| DECEMBER | 12,322,219 | 14,440,017 | 1,340,474 | 5,938,835 | 14,116,194 | 684,578 | 1,711,911 | 2,131,882 | 88,427 | 10,959,083 | 2,989,240 | 558,812 | 67,281,672 | 9.27 |
| GRAND TOTAL | 132,653,091 | 158,660,184 | 3,929,668 | 62,006,824 | 124,540,052 | 9,761,479 | 17,709,602 | 32,369,830 | 1,224,056 | 141,778,497 | 32,684,231 | 8,542,475 | 725,859,989 | 100.00 |
| PERCENTAGE SHARE | 18.28 | 21.86 | 0.54 | 8.54 | 17.16 | 1.34 | 2.44 | 4.46 | 0.17 | 19.53 | 4.50 | 1.18 | 100.00 | |

Source: COMD

Table 4

Crude Oil Production by Company, Crude Stream - January - December, 2002

| (Barrels) | | | | | | | | | | | | | | |
|----------------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|--------------------|------------------|
| MONTH COMPANY | January | February | March | April | May | June | July | August | September | October | November | December | Total | PERCENTAGE SHARE |
| JOINT VENTURE COMPANIES | | | | | | | | | | | | | | |
| SHELL | 22,751,350 | 17,632,649 | 19,990,462 | 19,846,518 | 20,529,257 | 19,905,515 | 22,116,370 | 24,504,729 | 23,487,471 | 22,030,495 | 23,857,896 | 25,750,013 | 262,402,725 | 36.15 |
| MOBIL | 15,932,154 | 13,844,923 | 14,398,915 | 14,786,869 | 14,410,564 | 13,780,325 | 14,195,464 | 15,240,898 | 15,025,482 | 14,092,963 | 14,805,848 | 13,948,323 | 174,462,728 | 24.04 |
| CHEVRON | 772,767 | 10,038,076 | 10,943,959 | 10,459,932 | 10,202,621 | 10,086,885 | 5,806,420 | 11,487,129 | 11,630,177 | 11,566,159 | 11,667,452 | 13,215,098 | 117,876,675 | 16.24 |
| ELF | 4,668,754 | 4,275,460 | 4,355,141 | 3,758,798 | 3,859,143 | 3,762,685 | 3,829,021 | 4,031,976 | 4,090,174 | 4,070,308 | 4,048,364 | 3,689,333 | 48,439,157 | 6.67 |
| NAOC | 5,799,122 | 4,263,359 | 5,202,395 | 4,701,087 | 4,495,065 | 4,035,819 | 4,865,591 | 4,688,779 | 5,086,094 | 5,295,010 | 5,681,650 | 5,276,656 | 59,390,627 | 8.18 |
| TEXACO | 1,004,149 | 746,740 | 944,440 | 905,493 | 902,071 | 868,411 | 829,652 | 787,629 | 735,081 | 682,908 | 670,327 | 684,578 | 9,761,479 | 1.34 |
| PAN - OCEAN | 424,724 | 332,748 | 357,535 | 347,156 | 326,652 | 323,199 | 309,292 | 363,883 | 330,001 | 466,782 | 419,774 | 454,746 | 4,456,492 | 0.61 |
| Sub Total | 51,353,020 | 51,133,955 | 56,192,847 | 54,805,853 | 54,725,373 | 52,762,839 | 51,951,810 | 61,105,023 | 60,384,480 | 58,204,625 | 61,151,311 | 63,018,747 | 676,789,883 | 93.24 |
| PRODUCTION SHARING COMPANIES | | | | | | | | | | | | | | |
| ADDAX | 921,800 | 830,330 | 824,688 | 648,916 | 731,912 | 884,881 | 867,149 | 920,657 | 1,087,226 | 1,163,344 | 1,167,747 | 1,252,329 | 11,300,979 | 1.56 |
| Sub Total | 921,800 | 830,330 | 824,688 | 648,916 | 731,912 | 884,881 | 867,149 | 920,657 | 1,087,226 | 1,163,344 | 1,167,747 | 1,252,329 | 11,300,979 | 1.56 |
| SERVICE CONTRACT | | | | | | | | | | | | | | |
| AENR | 467,114 | 394,835 | 472,508 | 353,927 | 367,268 | 343,693 | 318,411 | 295,210 | 298,877 | 311,585 | 303,134 | 314,418 | 4,240,980 | 0.58 |
| Sub Total | 467,114 | 394,835 | 472,508 | 353,927 | 367,268 | 343,693 | 318,411 | 295,210 | 298,877 | 311,585 | 303,134 | 314,418 | 4,240,980 | 0.58 |
| SOLE RISK/INDEPENDENT COMPANIES | | | | | | | | | | | | | | |
| NPDC | 169,525 | 135,101 | 139,000 | 169,927 | 123,725 | 90,416 | 73,657 | 625,399 | 416,018 | 307,892 | 382,875 | 289,593 | 2,923,128 | 0.40 |
| DUBRI | 7,296 | 14,811 | 15,327 | 13,894 | 15,556 | 15,035 | 14,536 | 13,810 | 9,430 | 0 | 1,901 | 17,686 | 139,282 | 0.02 |
| CONOIL | 14,788 | 92,996 | 59,355 | 84,071 | 87,617 | 77,489 | 45,864 | 87,246 | 77,205 | 78,749 | 77,335 | 75,692 | 858,407 | 0.12 |
| EPGA/CONOCO | 643,214 | 559,952 | 593,148 | 498,627 | 493,269 | 479,881 | 473,958 | 457,683 | 422,344 | 379,686 | 410,743 | 412,664 | 5,825,169 | 0.80 |
| AMNI | 114,866 | 106,578 | 114,490 | 99,599 | 107,957 | 104,524 | 107,427 | 105,103 | 94,467 | 95,978 | 84,640 | 88,427 | 1,224,056 | 0.17 |
| ATLAS | 271,527 | 251,331 | 270,578 | 248,182 | 277,717 | 256,850 | 226,424 | 221,889 | 197,596 | 189,220 | 159,844 | 146,148 | 2,717,306 | 0.37 |
| CONTINENTAL OIL | 1,024,485 | 753,340 | 1,022,435 | 944,934 | 1,015,365 | 989,516 | 983,913 | 1,011,304 | 972,633 | 986,486 | 979,719 | 1,012,664 | 11,696,794 | 1.61 |
| MONI PULO | 772,734 | 617,727 | 748,390 | 612,774 | 703,621 | 674,694 | 685,519 | 678,721 | 656,678 | 681,350 | 658,493 | 653,304 | 8,144,005 | 1.12 |
| Sub Total | 3,018,435 | 2,531,836 | 2,962,723 | 2,672,008 | 2,824,827 | 2,688,405 | 2,611,298 | 3,201,155 | 2,846,371 | 2,719,361 | 2,755,550 | 2,696,178 | 33,528,147 | 4.62 |
| GRAND TOTAL | 55,760,369 | 54,890,956 | 60,452,766 | 58,480,704 | 58,649,380 | 56,679,818 | 55,748,668 | 65,522,045 | 64,616,954 | 62,398,915 | 65,377,742 | 67,281,672 | 725,859,989 | 100.00 |
| PERCENTAGE SHARE | 7.68 | 7.56 | 8.33 | 8.06 | 8.08 | 7.81 | 7.68 | 9.03 | 8.90 | 8.60 | 9.01 | 9.27 | 100.00 | |

Source: COMD

Table 5a

Monthly Crude Oil Liftings (Domestic & Export) January - December, 2002

(Barrels)

| COMPANY | NNPC LIFTINGS | | | COMPANY LIFTINGS | TOTAL LIFTINGS | % DISTRIBUTION |
|------------------------|-----------------------|--------------------|--------------------|--------------------|--------------------|----------------|
| | **DOMESTIC ALLOCATION | ***EXPORT | NNPC TOTAL | | | |
| SHELL | 70,237,254 | 78,669,550 | 148,906,804 | 79,505,449 | 228,412,253 | |
| *MOBIL | 27,443,300 | 76,797,715 | 104,241,015 | 71,261,781 | 175,502,796 | |
| CHEVRON | 57,820,861 | 18,870,738 | 76,691,599 | 53,033,933 | 129,725,532 | |
| ELF | 4,141,647 | 19,956,079 | 24,097,726 | 44,327,908 | 68,425,634 | |
| NAOC/ PHILLIPS | 3,966,984 | 37,379,875 | 41,346,859 | 36,711,675 | 78,058,534 | |
| TEXACO | - | 6,596,846 | 6,596,846 | 2,757,950 | 9,354,796 | |
| PAN-OCEAN | - | 2,193,728 | 2,193,728 | 1,462,485 | 3,656,213 | |
| Sub - Total | 163,610,046 | 240,464,531 | 404,074,577 | 289,061,181 | 693,135,758 | 93.38 |
| PSC : | | | | | | |
| ADDAX | | | - | 11,709,881 | 11,709,881 | |
| Sub - Total | - | - | - | 11,709,881 | 11,709,881 | 1.58 |
| SERVICE CONTRACT: | | | | | | |
| AENR | - | - | - | 4,122,344 | 4,122,344 | |
| Sub - Total | - | - | - | 4,122,344 | 4,122,344 | 0.56 |
| INDEPENDENT/SOLE RISK: | | | | | | |
| NPDC | | | - | 3,091,557 | 3,091,557 | |
| ATLAS/SOGW | | | - | 2,824,452 | 2,824,452 | |
| CONSOLIDATED | - | - | - | 2,200,594 | 2,200,594 | |
| CONTINENTAL | | - | - | 8,619,738 | 8,619,738 | |
| DUBRI | | - | - | 133,548 | 133,548 | |
| EPGA/CONOCO/EXPRESS | | | - | 7,064,181 | 7,064,181 | |
| AMNI | | | - | 870,864 | 870,864 | |
| MONI PULO | | | - | 8,503,040 | 8,503,040 | |
| Sub - Total | - | - | - | 33,307,974 | 33,307,974 | 4.49 |
| GRAND-TOTAL | 163,610,046 | 240,464,531 | 404,074,577 | 338,201,380 | 742,275,957 | 100.00 |

Source: COMD

* Mobil Lifting includes 33,236,654 barrels of Oso Condensates.

**78,949,463 bbls were supplied to the Refineries.

*** Includes 6,549,412 bbls for EPCL debt settlement.

Figure 1:

Monthly Crude Oil Liftings Pie Charts: January-December, 2002

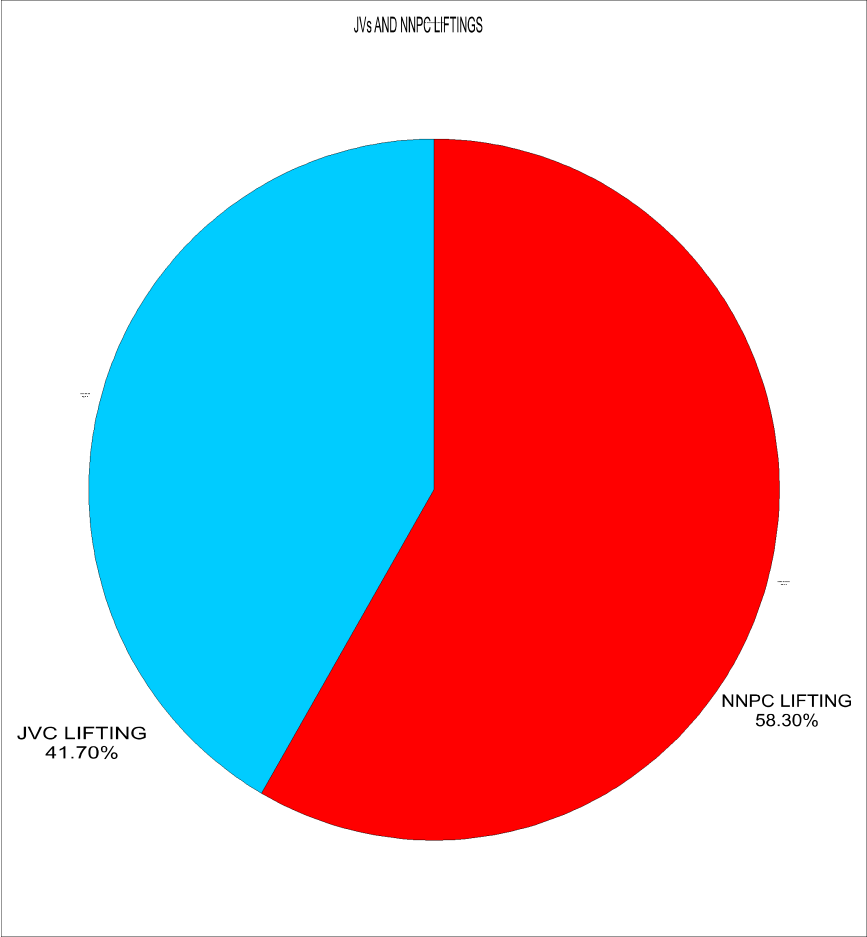
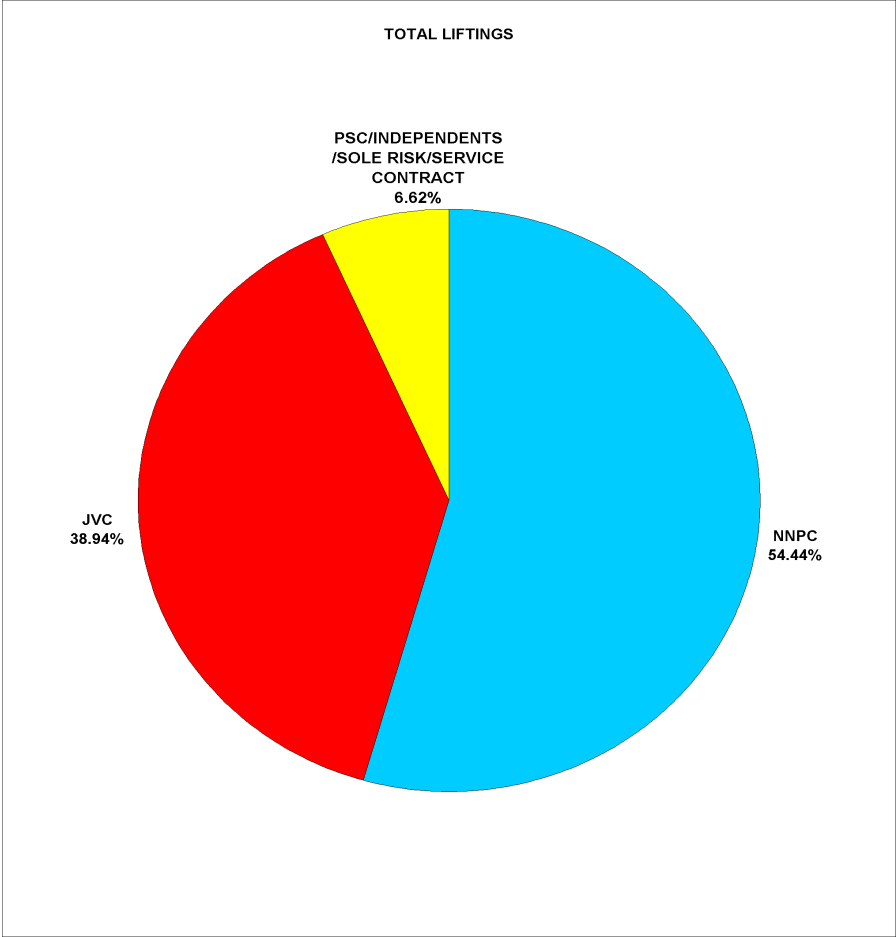


Table 6
Analysis of Domestic Crude Oil Allocation: January - December, 2002

(Barrels)

| MONTHS | SUPPLY TO REFINERIES | PPMC EXPORT | TOTAL |
|--------------|----------------------|-------------------|--------------------|
| JANUARY | 6,421,212 | 6,769,531 | 13,190,743 |
| FEBRUARY | 7,127,649 | 5,446,634 | 12,574,283 |
| MARCH | 6,161,807 | 7,075,721 | 13,237,528 |
| APRIL | 6,739,373 | 7,123,978 | 13,863,351 |
| MAY | 5,524,193 | 8,112,654 | 13,636,847 |
| JUNE | 6,676,276 | 6,728,408 | 13,404,684 |
| JULY | 5,744,841 | 8,050,159 | 13,795,000 |
| AUGUST | 7,445,301 | 7,547,735 | 14,993,036 |
| SEPTEMBER | 7,460,540 | 5,739,873 | 13,200,413 |
| OCTOBER | 6,271,335 | 7,772,032 | 14,043,367 |
| NOVEMBER | 6,564,503 | 6,684,811 | 13,249,314 |
| DECEMBER | 6,812,433 | 7,609,047 | 14,421,480 |
| TOTAL | 78,949,463 | 84,660,583 | 163,610,046 |

Table 7

Analysis of Crude Oil Production Vs Liftings: January - December, 2002

(Barrels)

| COMPANY | PRODUCTION | SUPPLY TO REFINERIES | *EXPORT | **VOLUME NOT LIFTED |
|-------------------------------|--------------------|----------------------|--------------------|---------------------|
| JVC : | | | | |
| SHELL | 262,402,725 | 40,171,019 | 188,241,234 | 33,990,472 |
| *MOBIL | 174,462,728 | - | 175,502,796 | (1,040,068) |
| CHEVRON | 117,876,675 | 38,778,444 | 90,947,088 | (11,848,857) |
| ELF | 48,439,157 | - | 68,425,634 | (19,986,477) |
| NAOC/ PHILLIPS | 59,390,627 | - | 78,058,534 | (18,667,907) |
| TEXACO | 9,761,479 | - | 9,354,796 | 406,683 |
| PAN-OCEAN | 4,456,492 | - | 3,656,213 | 800,279 |
| Sub - Total | 676,789,883 | 78,949,463 | 614,186,295 | (16,345,875) |
| PSC : | | | | |
| ADDAX | 11,300,979 | - | 11,709,881 | (408,902) |
| Sub - Total | 11,300,979 | - | 11,709,881 | (408,902) |
| SERVICE CONTRACT: | | | | |
| AENR | 4,240,980 | - | 4,122,344 | 118,636 |
| Sub - Total | 4,240,980 | - | 4,122,344 | 118,636 |
| INDEPENDENT/SOLE RISK: | | | | |
| NPDC | 2,923,128 | - | 3,091,557 | (168,429) |
| ATLAS/SOGW | 2,717,306 | - | 2,824,452 | (107,146) |
| CONSOLIDATED | 858,407 | - | 2,200,594 | (1,342,187) |
| CONTINENTAL | 11,696,794 | - | 8,619,738 | 3,077,056 |
| DUBRI | 139,282 | - | 133,548 | 5,734 |
| EPGA/CONOCO/EXPRESS | 5,825,169 | - | 7,064,181 | (1,239,012) |
| AMNI | 1,224,056 | - | 870,864 | 353,192 |
| MONI PULO | 8,144,005 | - | 8,503,040 | (359,035) |
| Sub - Total | 33,528,147 | - | 33,307,974 | 220,173 |
| GRAND-TOTAL | 25,859,989 | 78,949,463 | 663,326,494 | (16,415,968) |

Source: COSD

*Export figures include 6,549,412 bbls for EPCL Debt settlement and 84,660,583 bbls for PPMC exports.

**Figures in parenthesis () are quantity lifted from stock.

Table 8

Nigeria Crude Oil Exports by Destination - January - December, 2002

| REGION/COUNTRY | QUANTITY (bbls) | % Distribuion |
|---------------------------------------|--------------------|---------------|
| NORTH AMERICA: | | |
| <i>Canada</i> | 10,472,997 | |
| <i>U.S.A</i> | 230,169,683 | |
| SUB-TOTAL: North America | 240,642,680 | 36.28 |
| SOUTH AMERICA: | | |
| <i>Argentina</i> | 1,314,970 | |
| <i>Brazil</i> | 38,492,290 | |
| <i>Peru</i> | 996,655 | |
| <i>Chile</i> | 5,783,536 | |
| <i>Mexico</i> | 948,691 | |
| SUB-TOTAL: South America | 47,536,142 | 7.17 |
| EUROPE: | | |
| <i>Germany</i> | 14,019,758 | |
| <i>France</i> | 41,189,473 | |
| <i>Italy</i> | 27,031,861 | |
| <i>Netherlands</i> | 8,402,999 | |
| <i>Portugal</i> | 20,828,649 | |
| <i>Spain</i> | 40,243,672 | |
| <i>New Zealand</i> | 947,899 | |
| SUB-TOTAL: Europe | 152,664,311 | 23.01 |
| ASIA & FAR EAST: | | |
| <i>Japan</i> | 23,975,541 | |
| <i>Singapore</i> | 879,206 | |
| <i>India</i> | 86,026,932 | |
| <i>Indonesia</i> | 43,064,611 | |
| <i>Korea</i> | 1,899,275 | |
| <i>Taiwan</i> | 7,555,093 | |
| <i>China</i> | 2,848,906 | |
| <i>Thailand</i> | 4,259,391 | |
| SUB-TOTAL: Asia & Far East | 170,508,955 | 25.71 |
| AFRICA: | | |
| <i>Ghana</i> | 14,957,684 | |
| <i>Ivory Coast</i> | 11,350,941 | |
| <i>Senegal</i> | 4,942,530 | |
| <i>Cameroun</i> | 4,733,746 | |
| <i>South Africa</i> | 15,989,505 | |
| SUB-TOTAL: Africa | 51,974,406 | 7.84 |
| *GRAND-TOTAL | 663,326,494 | 100.00 |

Source: COMD

*Export figures include 6,549,412bbls for EPCL Debt settlement and 84,660,583bbls for PPMC exports.

Figure 2: Crude Oil Exports by Destination: January-December, 2002

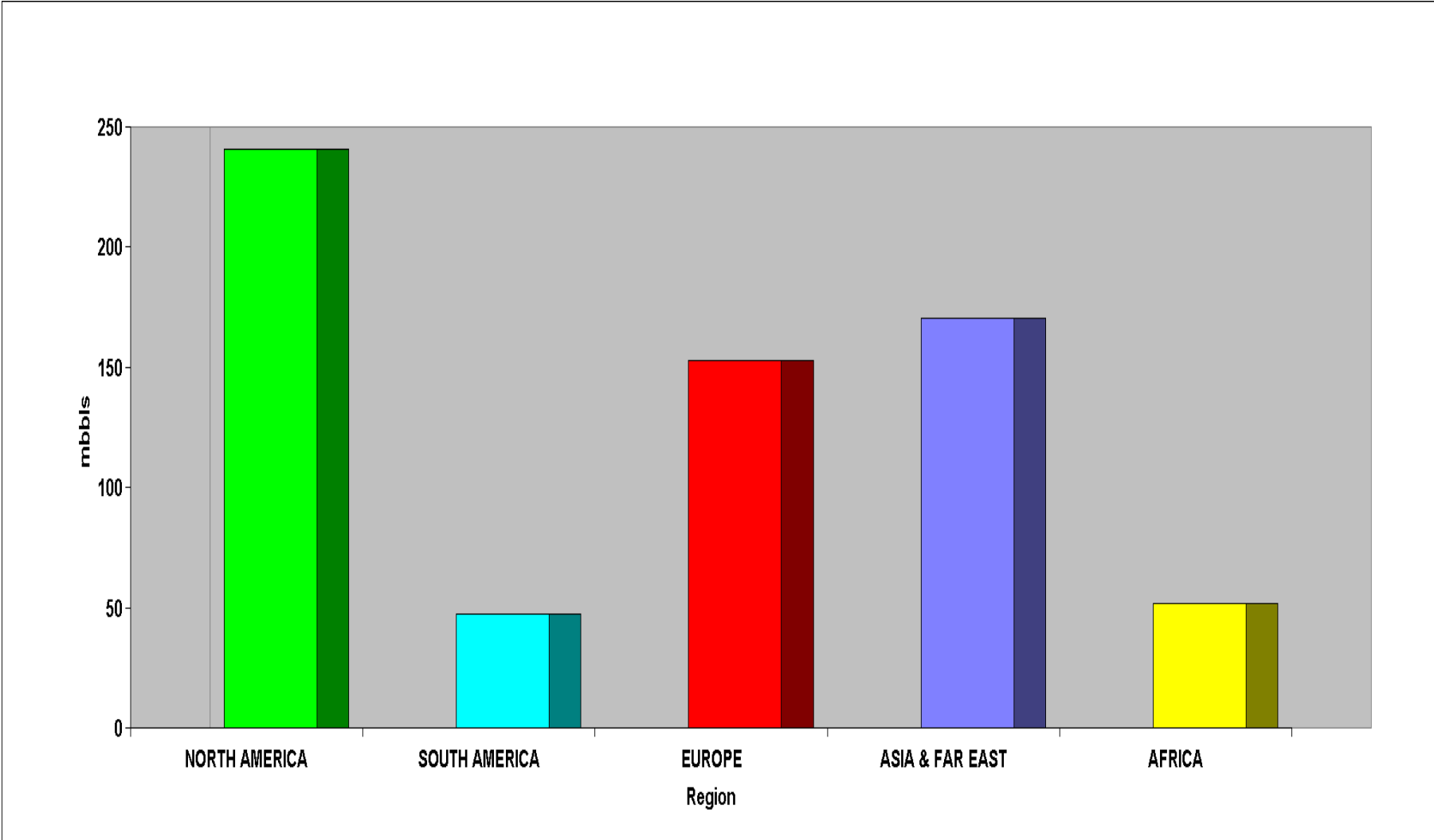


Table 9a

Federation Accounts Crude Oil Export Receipts: January - December, 2002

| Crude type Month | Forcados Blend | | Oua-Iboe Light | | Bonny Light | | Pennington Light | | Escravos Light | | Brass Blend | | Odudu Blend | | Oso Condensate | | TOTAL | | Crude type | |
|---------------------|----------------|------------------|----------------|------------------|----------------|-----------------|------------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|-----------------|----------------|------------------|----------------|------------------|
| | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) | Quantity (bbl) | Proceeds (US\$) |
| JANUARY | 6,590,016 | 127,118,421.00 | 6,649,269 | 131,803,584.76 | 1,893,492 | 38,585,579.98 | 949,644 | 18,651,008.16 | 1,895,298 | 36,503,439.48 | 2,779,368 | 56,512,326.55 | 902,420 | 18,537,511.64 | 950,018 | 17,356,828.86 | 22,609,525 | 445,068,700.43 | 6,590,016 | 127,118,421.00 |
| FEBRUARY | 3,123,530 | 63302963.97 | 4,558,990 | 91,554,147.51 | 900,680 | 19,771,727.36 | 901,090 | 19,657,278.35 | 1,894,638 | 38,220,621.03 | 2,800,892 | 59,303,981.33 | 1,804,775 | 35,442,179.82 | 949,952 | 18,790,050.56 | 16,934,547 | 346,042,949.93 | 3,123,530 | 63302963.97 |
| MARCH | 3,881,786 | 91534922.34 | 5,672,615 | 137,307,068.60 | 0 | 0.00 | 949,525 | 23,261,484.00 | 2,346,704 | 55,696,738.10 | 2,340,903 | 53,095,635.87 | 324,335 | 7,706,523.94 | 949,623 | 22,849,828.63 | 16,465,491 | 391,452,201.48 | 3,881,786 | 91534922.34 |
| APRIL | 3,963,349 | 97040842.43 | 5,701,307 | 143,129,428.20 | 2,332,659 | 57,964,917.11 | 948,047 | 23,099,165.16 | 947,089 | 22,591,861.01 | 2,347,239 | 58,140,581.23 | 0 | 0.00 | 0 | 0.00 | 16,239,690 | 401,966,795.14 | 3,963,349 | 97040842.43 |
| MAY | 3,031,881 | 73363146.08 | 5,699,529 | 139,598,787.76 | 2,845,006 | 70,985,851.52 | 0 | 0.00 | 0 | 0.00 | 2,790,439 | 68,792,567.51 | 1,899,504 | 47,323,991.50 | 950,598 | 22,872,338.48 | 17,216,957 | 422,936,682.85 | 3,031,881 | 73363146.08 |
| JUNE | 5,313,311 | 125,855,973.60 | 4,751,822 | 116,143,238.30 | 798,403 | 19,292,610.09 | 949,557 | 22,602,305.27 | 947,428 | 23,280,200.82 | 2,349,352 | 56,149,730.02 | 949,849 | 23,264,651.56 | 1,900,629 | 44,844,825.57 | 17,960,351 | 431,433,535.23 | 5,313,311 | 125,855,973.60 |
| JULY | 6,906,435 | 176,815,644.18 | 5,739,124 | 146,748,538.40 | 2,369,668 | 60,651,178.54 | 949,652 | 24,690,952.00 | 946,844 | 24,448,458.92 | 1,897,550 | 48,509,986.25 | 1,898,166 | 48,825,338.82 | 950,808 | 24,130,556.23 | 21,658,247 | 554,820,653.34 | 6,906,435 | 176,815,644.18 |
| AUGUST | 4,398,802 | 121,080,217.09 | 4,753,134 | 131,799,160.21 | 5,208,968 | 144,438,232.17 | 0 | 0.00 | 947,596 | 26,094,898.65 | 2,849,077 | 79,108,416.82 | 1,899,064 | 52,540,845.22 | 905,301 | 24,849,607.15 | 20,961,942 | 579,911,377.31 | 4,398,802 | 121,080,217.09 |
| SEPTEMBER | 4,408,215 | 126,114,524.57 | 4,750,808 | 138,751,479.71 | 3,314,816 | 96,221,295.08 | 949,619 | 28,318,588.20 | 1,892,982 | 54,956,127.32 | 1,881,048 | 53,330,347.52 | 1,899,397 | 53,663,649.58 | 949,824 | 27,454,662.72 | 20,046,709 | 578,810,674.70 | 4,408,215 | 126,114,524.57 |
| OCTOBER | 5,367,182 | 139,408,235.14 | 4,746,947 | 124,196,900.12 | 2,616,479 | 68,282,697.27 | 0 | 0.00 | 1,894,936 | 53,791,565.90 | 3,798,637 | 98,780,218.17 | 949,860 | 24,928,125.84 | 1,900,067 | 47,450,868.47 | 21,274,108 | 556,638,610.91 | 5,367,182 | 139,408,235.14 |
| NOVEMBER | 4,442,308 | 106,965,235.11 | 3,800,459 | 93,583,765.78 | 3,282,032 | 80,038,726.13 | 0 | 0.00 | 1,894,196 | 46,922,086.57 | 2,848,027 | 69,031,118.04 | 949,828 | 22,324,757.31 | 950,239 | 22,110,161.05 | 18,167,089 | 440,975,849.99 | 4,442,308 | 106,965,235.11 |
| DECEMBER | 6,269,106 | 194,790,782.38 | 3,789,896 | 117,983,748.65 | 3,833,930 | 117,010,958.79 | 949,237 | 24,971,577.76 | 2,841,143 | 83,915,867.36 | 3,797,968 | 114,041,202.10 | 949,749 | 29,140,198.82 | 1,949,434 | 58,888,696.11 | 24,380,463 | 740,743,031.97 | 6,269,106 | 194,790,782.38 |
| TOTAL | 57,695,921 | 1,443,390,907.89 | 60,613,900 | 1,512,599,848.00 | 29,396,133 | 773,243,774.04 | 7,546,371 | 185,252,358.90 | 18,448,854 | 466,421,865.16 | 32,480,500 | 814,795,111.41 | 14,426,947 | 363,697,774.05 | 13,306,493 | 331,598,423.83 | 233,915,119 | 5,891,001,063.28 | 57,695,921 | 1,443,390,907.89 |

Table 9b

Federation Accounts Crude Oil Export Monthly Average Weighted Price: January - December,

| MONTHS | Quantity (bbls) | Proceeds (US\$) | Weighted Price |
|------------------|------------------------|-------------------------|-----------------------|
| JANUARY | 22,609,525 | 445,068,700.43 | 19.6850 |
| FEBRUARY | 16,934,547 | 346,042,949.93 | 20.4341 |
| MARCH | 16,465,491 | 391,452,201.48 | 23.7741 |
| APRIL | 16,239,690 | 401,966,795.14 | 24.7521 |
| MAY | 17,216,957 | 422,936,682.85 | 24.5651 |
| JUNE | 17,960,351 | 431,433,535.23 | 24.0214 |
| JULY | 21,658,247 | 554,820,653.34 | 25.6171 |
| AUGUST | 20,961,942 | 579,911,377.31 | 27.6650 |
| SEPTEMBER | 20,046,709 | 578,810,674.70 | 28.8731 |
| OCTOBER | 21,274,108 | 556,838,610.91 | 26.1745 |
| NOVEMBER | 18,167,089 | 440,975,849.99 | 24.2733 |
| DECEMBER | 24,380,463 | 740,743,031.97 | 30.3826 |
| TOTAL | 233,915,119 | 5,891,001,063.28 | 25.1844 |

Source : COMD

Figure 3a: NIGERIA CRUDE OIL AVERAGE WEIGHTED PRICE: January - December, 2002

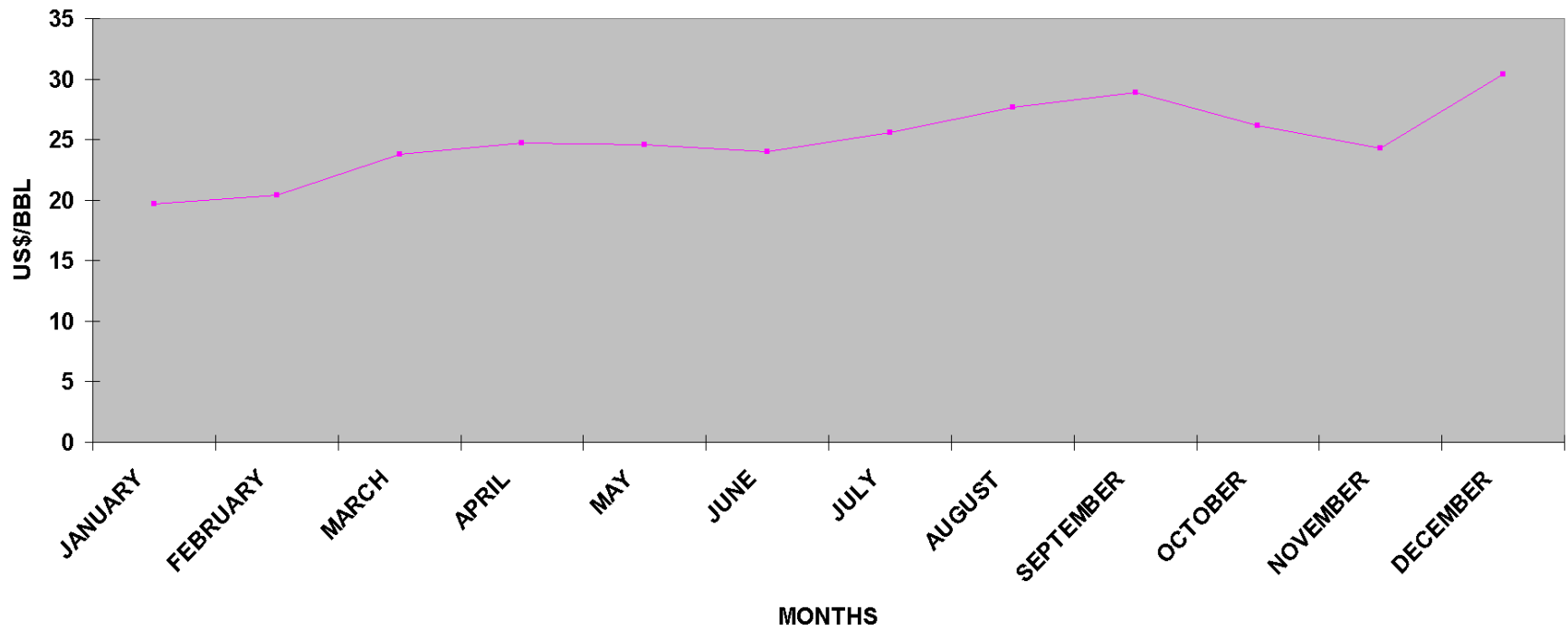


Table 10

Gas Export Receipts: January - December, 2002

| Months \ Gas type | LNG FEEDSTOCKS | | NGL/LPG | | Total |
|-------------------|------------------------|-----------------------|--------------------|------------------------|------------------------|
| | Quantity (BTU) | Proceeds (US\$) | Quantity (MT) | Proceeds (US\$) | Proceeds (US\$) |
| JANUARY | 18,800,904.440 | 8,531,848.560 | 123,845.466 | 17,654,722.340 | 26,186,570.900 |
| FEBRUARY | 16,694,339.893 | 7,276,631.050 | 44,189.000 | 6,707,593.880 | 13,984,224.930 |
| MARCH | 11,803,327.299 | 5,513,527.630 | 85,755.807 | 16,260,984.110 | 21,774,511.740 |
| APRIL | 11,958,304.525 | 5,480,120.250 | 57,986.390 | 11,859,516.100 | 17,339,636.350 |
| MAY | 17,760,978.238 | 8,014,126.530 | 81,138.564 | 15,279,997.080 | 23,294,123.610 |
| JUNE | 18,268,976.180 | 8,188,755.970 | 17,936.140 | 3,193,694.920 | 11,382,450.890 |
| JULY | 18,828,221.672 | 8,816,741.060 | 64,974.000 | 12,009,861.220 | 20,826,602.280 |
| AUGUST | 17,972,576.410 | 8,187,184.500 | 57,865.330 | 11,418,335.460 | 19,605,519.960 |
| SEPTEMBER | 18,316,988.070 | 8,464,114.590 | 131,477.850 | 30,543,919.270 | 39,008,033.860 |
| OCTOBER | 18,690,464.100 | 8,253,479.940 | 60,361.870 | 14,658,856.250 | 22,912,336.190 |
| NOVEMBER | 20,014,859.670 | 9,121,648.600 | 82,396.980 | 18,913,807.130 | 28,035,455.730 |
| DECEMBER | 21,769,663.060 | 10,645,854.060 | 42,940.000 | 12,131,319.450 | 22,777,173.510 |
| TOTAL | 210,879,603.556 | 96,494,032.740 | 850,867.397 | 170,632,607.210 | 267,126,639.950 |

Source : COMD

Table 11

Summary of Gas Production and Utilization Compiled From Company's Monthly Report (mscf) - January - December, 2002

| COMPANY | GAS PRODUCED | GAS USED AS FUEL | GAS SOLD TO TRHIRD PARTY | GAS RE-INJECTED | GAS TO EPCL | GAS FOR NGL | GAS FOR LNG | GAS TO NGC | GAS LIFT | GAS FLARED |
|---------------------------------|----------------------|-------------------|--------------------------|--------------------|------------------|-------------------|--------------------|-------------------|-------------------|--------------------|
| JOINT VENTURE: | | | | | | | | | | |
| SHELL | 527,922,606 | 12,629,559 | 30,510,218 | 0 | 0 | 0 | 176,159,710 | 89,794,378 | 0 | 212,456,424 |
| MOBIL | 378,350,669 | 22,764,540 | 0 | 191,163,363 | 0 | 38,907,100 | 0 | 0 | 8,838,202 | 123,981,525 |
| CHEVRON | 197,133,906 | 22,181,339 | 71,109,425 | 0 | 0 | 1,123,952 | 0 | 0 | 0 | 102,960,919 |
| ELF | 122,444,099 | 2,094,793 | 0 | 0 | 0 | 0 | 71,757,830 | 0 | 3,748,725 | 44,002,030 |
| NAOC | 375,748,053 | 10,737,044 | 0 | 79,238,804 | 9,159,870 | 7,690,008 | 42,128,010 | 0 | 4,564,429 | 212,203,266 |
| TEXACO | 20,215,464 | 131,202 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20,084,262 |
| PAN-OCEAN | 22,156,600 | 1,158,749 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20,997,851 |
| SUB - TOTAL | 1,643,971,397 | 71,697,226 | 101,619,643 | 270,402,167 | 9,159,870 | 47,721,060 | 290,045,550 | 89,794,378 | 17,151,356 | 736,686,276 |
| SOLE RISK / INDEPENDENT: | | | | | | | | | | |
| NPDC | 7,620,091 | 198,332 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,421,759 |
| SUB - TOTAL | 7,620,091 | 198,332 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 7,421,759 |
| GRAND-TOTAL | 1,651,591,488 | 71,895,558 | 101,619,643 | 270,402,167 | 9,159,870 | 47,721,060 | 290,045,550 | 89,794,378 | 17,151,356 | 744,108,035 |

Note: This does not include other indigenious and production sharing companies.

Also, the difference in the gas produced and the summation of gas disposed, was as a result of losses during gas lifting to enhance Condensate production

Figure 4: Analysis of Gas Produced Vs Flared: January - December, 2002

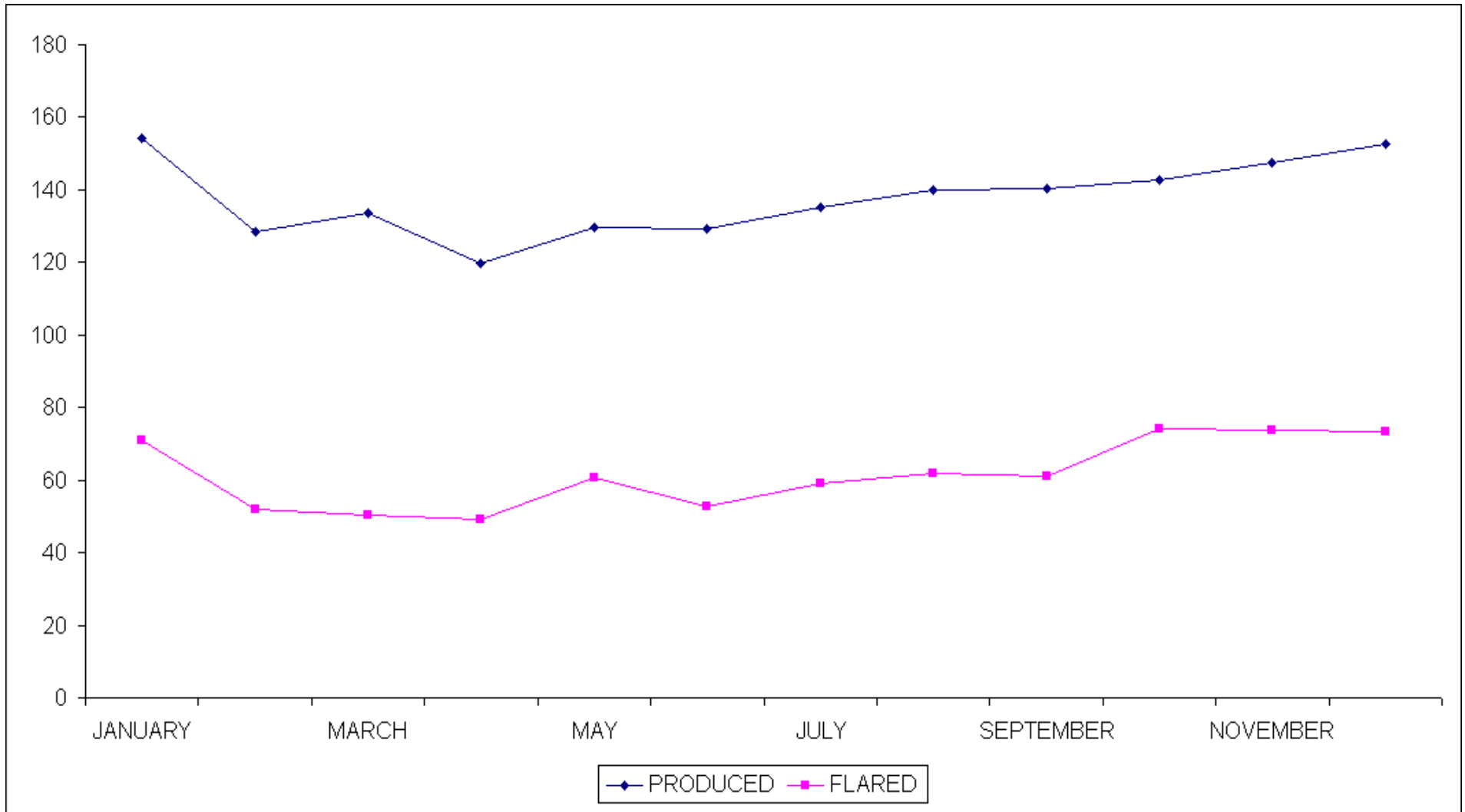


Table 11a

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company: Shell

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS SOLD | GAS FOR LNG | GAS TO NGC | GAS FLARED |
|----------------|--------------|------------------|----------|-------------|------------|------------|
| ABIGBORODO | 722,662 | 6,144 | 0 | 0 | 0 | 686,934 |
| ABURA | 928,611 | 43,034 | 0 | 0 | 0 | 777,792 |
| AFIESERE | 1,200,906 | 238,796 | 0 | 0 | 0 | 973,533 |
| AFREMO | 1,727,463 | 19,077 | 0 | 0 | 0 | 1,708,384 |
| AGBAYA | 832,420 | 14,426 | 0 | 0 | 0 | 817,996 |
| AJATITON | 164,224 | 3,721 | 0 | 0 | 0 | 157,380 |
| AJUJU | 121,489 | 0 | 0 | 0 | 0 | 72,582 |
| AKONO | 113,416 | 2,668 | 0 | 0 | 0 | 110,749 |
| AMUKPE | 42,093 | 8,212 | 0 | 0 | 0 | 33,881 |
| BATAN | 449,271 | 0 | 0 | 0 | 0 | 290,262 |
| BENISEDE | 692,242 | 18,308 | 0 | 0 | 0 | 673,933 |
| EGWA | 7,558,528 | 20,939 | 0 | 0 | 0 | 5,284,644 |
| EREMU | 564,977 | 65,984 | 0 | 0 | 0 | 949,909 |
| ESCRAVOS BEACH | 2,912,824 | 29,214 | 0 | 0 | 0 | 2,883,579 |
| EVWRENI | 134,419 | 20,798 | 0 | 0 | 0 | 113,621 |
| FORCADOS YOKRI | 7,534,881 | 2,272,623 | 0 | 0 | 0 | 6,399,815 |
| ISOKO | 927,168 | 49,588 | 0 | 0 | 0 | 751,238 |
| JONES CREEK | 2,723,806 | 56,631 | 0 | 0 | 0 | 2,667,175 |
| KANBO | 2,234,263 | 27,844 | 0 | 0 | 0 | 2,206,419 |
| KOKORI | 1,310,090 | 139,550 | 0 | 0 | 0 | 1,170,542 |
| OBEN | 28,062,856 | 264,601 | 0 | 0 | 23,113,532 | 4,684,723 |
| ODIDI | 13,481,597 | 1,193,169 | 0 | 0 | 0 | 6,980,313 |
| OGBOTOBO | 4,077,483 | 64,687 | 0 | 0 | 0 | 4,012,797 |
| OGINI | 303,220 | 25,506 | 0 | 0 | 0 | 410,183 |
| OLOMORO/OLEH | 1,266,796 | 356,217 | 0 | 0 | 0 | 705,066 |
| OPUKUSHI NORTH | 804,757 | 20,494 | 0 | 0 | 0 | 784,263 |
| OPOMOYO | 1,492,375 | 37,883 | 0 | 0 | 0 | 1,454,287 |
| OPUAMA | 579,413 | 16,712 | 0 | 0 | 0 | 562,701 |
| OPUKUSHI | 5,840,356 | 143,404 | 0 | 0 | 0 | 5,696,953 |
| ORONI | 283,573 | 7,114 | 0 | 0 | 0 | 276,460 |
| OTUMARA | 8,070,299 | 68,188 | 0 | 0 | 0 | 8,002,109 |
| OVHOR | 213,409 | 25,626 | 0 | 0 | 0 | 183,958 |

Table 11a Contd.

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company: Shell

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS SOLD | GAS FOR LNG | GAS TO NGC | GAS FLARED |
|-------------------|--------------|------------------|------------|-------------|------------|------------|
| OWEH | 819,688 | 51,499 | 0 | 0 | 0 | 1,329,299 |
| SAGHARA | 464,415 | 10,138 | 0 | 0 | 0 | 454,276 |
| SAPELE | 13,399,518 | 95,752 | 0 | 0 | 9,777,335 | 3,608,098 |
| TUNU | 12,435,678 | 154,348 | 0 | 0 | 0 | 12,281,330 |
| UBEFAN | 101,478 | 8,423 | 0 | 0 | 0 | 16,339 |
| UGHELLI EAST | 12,859,954 | 176,606 | 11,327,186 | 0 | 0 | 979,747 |
| UGHELLI WEST | 448,738 | 105,581 | 0 | 0 | 0 | 712,524 |
| UTOROGO | 47,960,340 | 373,078 | 0 | 0 | 43,604,096 | 3,672,275 |
| UZERE EAST | 658,079 | 50,066 | 0 | 0 | 0 | 604,997 |
| UZERE WEST | 187,996 | 18,838 | 0 | 0 | 0 | 230,481 |
| ADIBAWA | 946,073 | 9,168 | 0 | 0 | 0 | 936,905 |
| ADIBAWA N/EAST | 457,875 | 3,991 | 0 | 0 | 0 | 453,884 |
| AGBADA | 3,247,492 | 571,458 | 418,853 | 0 | 1,704,596 | 512,213 |
| AHIA | 2,244,974 | 11,527 | 0 | 0 | 0 | 2,233,477 |
| AKASO | 5,284,722 | 36,236 | 0 | 0 | 0 | 5,248,486 |
| ALAKIRI | 6,844,891 | 34,578 | 0 | 0 | 5,969,554 | 840,759 |
| ASSA | 12,845 | 607 | 0 | 0 | 0 | 12,238 |
| AWOBA | 5,555,521 | 36,162 | 0 | 6,440 | 0 | 5,512,883 |
| BELEMA | 7,898,357 | 58,261 | 0 | 0 | 0 | 7,840,096 |
| BELEMA NORTH | 3,613,220 | 32,122 | 0 | 1,064,355 | 0 | 2,516,743 |
| BISENI | 823,440 | 4,179 | 0 | 0 | 0 | 819,261 |
| BONNY | 881,498 | 418,383 | 0 | 0 | 0 | 463,115 |
| BUGUMA CREEK | 807,963 | 715,143 | 0 | 0 | 0 | 92,820 |
| CAWTHORNE CHANNEL | 6,506,063 | 44,496 | 0 | 0 | 0 | 6,461,567 |
| DIEBU CREEK | 15,790,599 | 111,237 | 0 | 0 | 0 | 15,679,362 |
| EGBEMA | 4,686,935 | 21,547 | 0 | 0 | 0 | 4,665,388 |
| EGBEMA WEST | 634,324 | 8,880 | 0 | 0 | 0 | 625,444 |
| EKULAMA | 3,286,979 | 42,023 | 0 | 1,397,402 | 0 | 1,851,554 |

Table 11a Contd.

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company: Shell

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS SOLD | GAS FOR LNG | GAS TO NGC | GAS FLARED |
|---------------------|--------------|------------------|------------|-------------|------------|-------------|
| ELELENWA | 6,047,369 | 323,839 | 230,489 | 3,562,197 | 217,782 | 1,663,386 |
| ENWHE | 1,366,758 | 431,601 | 376,775 | 0 | 472,945 | 85,438 |
| ETELEBOU | 382,166 | 5,390 | 0 | 0 | 0 | 376,776 |
| GBARAN | 3,662,962 | 21,512 | 42,921 | 0 | 0 | 3,627,507 |
| IMO RIVER | 7,121,973 | 426,667 | 699,239 | 0 | 671,907 | 5,295,179 |
| ISIMIRI | 3,066,106 | 437,328 | 486,318 | 0 | 1,855,400 | 287,060 |
| ISU | 415,278 | 4,848 | 0 | 0 | 0 | 410,430 |
| KALAEKULE | 4,719,244 | 20,733 | 0 | 0 | 0 | 4,698,511 |
| KOLO CREEK | 6,023,398 | 16,078 | 46,402 | 0 | 0 | 5,960,919 |
| KRAKAMA | 7,741,094 | 23,862 | 382,967 | 0 | 0 | 7,334,266 |
| MINI NTA | 2,472,268 | 14,165 | 0 | 0 | 0 | 2,458,103 |
| NEMBE CREEK EAST | 3,371,760 | 25,890 | 0 | 202,268 | 0 | 3,143,602 |
| NEMBE CREEK | 6,322,370 | 99,647 | 0 | 3,405,471 | 0 | 2,817,250 |
| NKALI | 7,405,873 | 114,325 | 0 | 4,411,794 | 0 | 2,879,755 |
| NUN RIVER | 3,156,151 | 15,180 | 0 | 0 | 0 | 3,140,967 |
| OBEAKPU | 4,755,210 | 26,514 | 0 | 0 | 0 | 4,728,696 |
| OBELE | 130,699 | 2,066 | 0 | 0 | 0 | 128,633 |
| OBIGBO NORTH | 10,919,880 | 403,708 | 8,488,130 | 0 | 946,438 | 1,081,604 |
| ODEAMA CREEK | 12,842,798 | 449,617 | 8,010,938 | 0 | 1,460,793 | 2,921,450 |
| OGUTA | 5,529,590 | 32,610 | 0 | 0 | 0 | 5,496,980 |
| ORUBIRI | 4,093,154 | 11,747 | 0 | 0 | 0 | 4,081,407 |
| OTAMINI | 795,022 | 4,574 | 0 | 0 | 0 | 790,048 |
| RUMUEKPE | 392,794 | 4,533 | 0 | 0 | 0 | 373,021 |
| SANTA BARBARA | 860,749 | 12,950 | 0 | 664,388 | 0 | 183,408 |
| SANTA BARBARA SOUTH | 1,812,480 | 17,527 | 0 | 1,348,428 | 0 | 446,526 |
| SOKU | 77,842,832 | 673,880 | 0 | 75,344,472 | 0 | 1,824,452 |
| UBIE | 87,561,933 | 532,220 | 0 | 84,752,495 | 0 | 2,277,218 |
| UGADA | 241,585 | 4,557 | 0 | 0 | 0 | 237,028 |
| UMUECHEM | 637,568 | 6,506 | 0 | 0 | 0 | 567,062 |
| TOTAL | 527,922,606 | 12,629,559 | 30,510,218 | 176,159,710 | 89,794,378 | 212,456,424 |

Table 11b

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company: Mobil

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS RE-INJECTED | GAS FOR NGL | GAS LIFT | GAS FLARED |
|------------|--------------|------------------|-----------------|-------------|-----------|-------------|
| ADUA | 11,318,143 | 0 | 0 | 0 | 0 | 9,485,850 |
| ASABO | 15,670,982 | 1,879,300 | 2,864,480 | 0 | 4,306,300 | 8,508,739 |
| ASABO "D" | 3,083,006 | 0 | 0 | 0 | 0 | 2,176,131 |
| ASASA | 20,528,712 | 0 | 0 | 0 | 0 | 12,147,014 |
| EDOP | 40,101,516 | 1,789,600 | 35,316,661 | 0 | 0 | 19,229,229 |
| EKPE | 8,641,739 | 3,633,761 | 3,177,363 | 0 | 3,577,292 | 2,897,801 |
| EKU | 3,529,441 | 0 | 362,180 | 0 | 0 | 2,560,395 |
| EKPE WW | 1,984,765 | 0 | 0 | 0 | 0 | 1,198,001 |
| ENANG | 7,481,962 | 0 | 0 | 0 | 0 | 5,208,090 |
| ETIM/ETIMC | 20,248,844 | 904,643 | 5,102,430 | 0 | 0 | 9,651,398 |
| IDOHO | 3,545,404 | 63,973 | 0 | 0 | 0 | 3,715,561 |
| INANGA | 3,050,020 | 0 | 0 | 0 | 0 | 2,320,997 |
| INIM | 3,378,137 | 84,233 | 0 | 0 | 0 | 7,736,880 |
| ISOBO | 1,201,078 | 0 | 0 | 0 | 0 | 849,013 |
| IYAK | 1,073,686 | 0 | 0 | 0 | 0 | 616,327 |
| IYAK SE | 553,398 | 0 | 0 | 0 | 0 | 312,904 |
| MFEM | 1,381,021 | 0 | 0 | 0 | 0 | 1,000,089 |
| OSO | 158,794,288 | 13,360,100 | 113,821,740 | 38,907,100 | 0 | 11,665,553 |
| UBIT | 17,403,350 | 826,180 | 3,677,246 | 0 | 0 | 13,726,331 |
| UNAM | 4,769,774 | 0 | 0 | 0 | 0 | 2,703,455 |
| USARI | 49,304,251 | 176,270 | 26,841,263 | 0 | 954,610 | 4,716,100 |
| UTUE | 1,307,152 | 46,480 | 0 | 0 | 0 | 1,555,667 |
| TOTAL | 378,350,669 | 22,764,540 | 191,163,363 | 38,907,100 | 8,838,202 | 123,981,525 |

Table 11c**Gas Production and Utilization by Field (mscf) - January - December, 2002***Company: Chevron*

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS SOLD | GAS FOR LNG | GAS FLARED |
|-------------|--------------|------------------|------------|-------------|-------------|
| ABITEYE | 4,491,058 | 511,267 | 3,664,417 | 0 | 315,374 |
| UTONANA | 2,536,594 | 623,911 | 0 | 0 | 1,912,643 |
| MAKARABA | 4,273,441 | 50,464 | 0 | 0 | 4,222,977 |
| OPUEKEBA | 2,072,923 | 148,730 | 0 | 0 | 142,871 |
| DIBI | 8,094,796 | 1,041,274 | 6,200,650 | 0 | 852,872 |
| JISIKE | 489,213 | 2,304 | 0 | 0 | 486,909 |
| ROBERKIRI | 1,270,852 | 36,279 | 0 | 0 | 1,234,573 |
| IDAMA | 753,519 | 0 | 0 | 0 | 753,519 |
| ABIGBORODO | 1,703,143 | 0 | 0 | 0 | 1,703,143 |
| JOKKA | 24,256 | 0 | 0 | 0 | 24,256 |
| BENIN RIVER | 7,666,455 | 1,927,937 | 7,332,061 | 0 | 342,650 |
| GBOKODA | 915,649 | 0 | 915,649 | 0 | 0 |
| DELTA SOUTH | 8,004,279 | 1,803,896 | 0 | 0 | 6,200,383 |
| DELTA | 11,711,493 | 79,305 | 0 | 0 | 11,632,288 |
| ISAN | 1,354,637 | 46,720 | 0 | 0 | 1,307,918 |
| WEST ISAN | 1,014,177 | 0 | 0 | 0 | 1,014,177 |
| EWAN | 2,084,240 | 113,088 | 0 | 0 | 1,971,152 |
| OKAN | 69,924,816 | 13,191,235 | 52,314,558 | 1,123,952 | 3,384,971 |
| MEFA | 682,090 | 0 | 682,090 | 0 | 0 |
| MEJI | 8,196,420 | 87,237 | 0 | 0 | 8,109,183 |
| MEREN | 31,190,494 | 2,143,702 | 0 | 0 | 29,046,791 |
| TAPA | 3,168,516 | 58,765 | 0 | 0 | 3,110,296 |
| PARABE | 12,943,689 | 168,860 | 0 | 0 | 12,777,182 |
| MALU | 6,558,446 | 10,585 | 0 | 0 | 6,541,861 |
| MINA | 123,938 | 0 | 0 | 0 | 123,938 |
| INDA | 2,625,497 | 0 | 0 | 0 | 2,625,497 |
| MEJO | 573,517 | 0 | 0 | 0 | 573,517 |
| KITO | 107,515 | 0 | 0 | 0 | 107,515 |
| OPOLO | 2,578,243 | 135,780 | 0 | 0 | 2,442,463 |
| TOTAL | 197,133,906 | 22,181,339 | 71,109,425 | 1,123,952 | 102,960,919 |

Table 11d

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company:Elf

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS FOR NGL | GAS LIFT | GAS FLARED |
|---------------|--------------|------------------|-------------|-----------|------------|
| AGHIGHO | 372,086 | 81,310 | 0 | 37,209 | 253,568 |
| OBODO | 623,695 | 181,773 | 0 | 62,370 | 379,553 |
| UPOMAMI | 202,425 | 46,899 | 0 | 20,095 | 135,432 |
| OBAGI/EREMA | 27,103,217 | 267,702 | 9,553,028 | 2,710,251 | 13,870,181 |
| OLO | 514,905 | 50,515 | 0 | 0 | 464,390 |
| IBEWA | 61,409,941 | 618,855 | 60,790,977 | 0 | 109 |
| OBAGI GAS-CAP | 1,568,969 | 16,399 | 1,413,824 | 0 | 2 |
| AFIA | 1,101,998 | 0 | 0 | 110,237 | 991,800 |
| EDIKAN | 5,447,636 | 0 | 0 | 0 | 5,447,636 |
| IME | 3,154,127 | 0 | 0 | 315,421 | 2,838,713 |
| ODUDU | 4,931,133 | 290,497 | 0 | 493,142 | 4,147,522 |
| OFON | 16,013,966 | 540,843 | 0 | 0 | 15,473,124 |
| TOTAL | 122,444,099 | 2,094,793 | 71,757,830 | 3,748,725 | 44,002,030 |

Table 11e

Gas Production and Utilization by Field (mscf) - January - December, 2002
Company:NAOC

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS RE-INJECTED | GAS TO EPCL | GAS FOR NGL | GAS FOR LNG | GAS LIFT | GAS FLARED |
|---------------------|--------------|------------------|-----------------|-------------|-------------|-------------|-----------|-------------|
| EBOCHA FIELDS | 40,816,891 | 347,620 | 6,345,423 | 0 | 0 | 0 | 0 | 34,123,851 |
| AKRI FIELDS | 25,077,141 | 183,500 | 0 | 0 | 0 | 0 | 0 | 24,911,641 |
| OBR/OBI FIELDS | 185,076,154 | 8,127,499 | 59,766,627 | 9,159,870 | 7,690,008 | 42,128,010 | 4,564,429 | 43,395,086 |
| OSHI FIELDS | 31,954,279 | 182,000 | 0 | 0 | 0 | 0 | 0 | 31,772,279 |
| KWALE FIELDS | 42,783,373 | 949,679 | 13,126,754 | 0 | 0 | 0 | 0 | 28,706,940 |
| TEBIDABA FIELDS | 9,435,783 | 62,600 | 0 | 0 | 0 | 0 | 0 | 9,373,183 |
| OBAMA FIELDS | 9,962,176 | 518,496 | 0 | 0 | 0 | 0 | 0 | 9,443,680 |
| CLOUGH CREEK FIELDS | 933,542 | 62,050 | 0 | 0 | 0 | 0 | 0 | 871,492 |
| BENIBOYE FIELDS | 6,294,363 | 62,050 | 0 | 0 | 0 | 0 | 0 | 6,232,313 |
| OGBAINBIRI FIELDS | 5,336,046 | 62,050 | 0 | 0 | 0 | 0 | 0 | 5,473,996 |
| IDU FIELDS | 18,078,305 | 179,500 | 0 | 0 | 0 | 0 | 0 | 17,898,805 |
| TOTAL | 375,748,053 | 10,737,044 | 79,238,804 | 9,159,870 | 7,690,008 | 42,128,010 | 4,564,429 | 212,203,266 |

Table 11f**Gas Production and Utilization by Field (mscf) - January - December, 2002***Company: Texaco*

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS FLARED |
|------------|--------------|------------------|------------|
| PENNINGTON | 2,074,936 | 25,641 | 2,049,295 |
| MIDDLETON | 475,082 | 25,641 | 449,441 |
| NORTH APOI | 4,222,713 | 25,641 | 4,197,072 |
| FUNIWA | 11,114,817 | 54,279 | 11,060,538 |
| OKUBIE | 2,327,916 | 0 | 2,327,916 |
| TOTAL | 20,215,464 | 131,202 | 20,084,262 |

Table 11g**Gas Production and Utilization by Field (mscf) - January - December, 2002***Company: Pan Ocean*

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS FLARED |
|---------------|--------------|------------------|------------|
| ASABORO SOUTH | 724,577 | 0 | 724,577 |
| OGHAREFE | 2,906,351 | 0 | 2,906,351 |
| OLOGBO | 18,030,426 | 1,158,749 | 16,871,677 |
| ONA | 495,246 | 0 | 495,246 |
| TOTAL | 22,156,600 | 1,158,749 | 20,997,851 |

Table 11h

Gas Production and Utilization by Field (mscf) - January - December, 2002

Company: NPDC

| FIELD | GAS PRODUCED | GAS USED AS FUEL | GAS FLARED |
|------------|--------------|------------------|------------|
| ABURA | 577,023 | 0 | 577,023 |
| OREDO | 1,605,044 | 164,611 | 1,440,432 |
| OZIENGBE S | 337,230 | 33,721 | 303,509 |
| OKONO | 5,100,795 | 0 | 5,100,795 |
| TOTAL | 7,620,091 | 198,332 | 7,421,759 |

Table 12a

Nigerian Gas Company: Gas Sales January - December, 2002

| BUYER | Quantity | Unit Price | Current Month Receivable Revenue | Payments year to date | Outstanding Debt Since Inception |
|--------------------------------|-----------------|-------------------|-----------------------------------------|------------------------------|-----------------------------------------|
| | <i>(Bscf)</i> | <i>(=N=/mscf)</i> | <i>(=N= million)</i> | <i>(=N= million)</i> | <i>(=N= million)</i> |
| <i>Alscon Ikot Abasi</i> | 3.1630 | 56.750 | 179.50 | 129.520 | 725.810 |
| <i>ASCL</i> | 0.0620 | 13.210 | 0.82 | 7.500 | 53.310 |
| <i>DSCL Aladja</i> | 0.0100 | 13.210 | 0.13 | - | 52.870 |
| <i>NAFCON Onne</i> | 1.4560 | 56.750 | 82.63 | - | 1,202.790 |
| <i>WRPC Warri</i> | 0.5360 | 13.210 | 7.08 | - | 171.980 |
| <i>WAPCO Shagamu</i> | 5.4510 | 226.450 | 1,234.38 | 1,084.420 | 335.260 |
| <i>Kew Metal Works Ikorodu</i> | 0.0000 | 210.280 | - | - | 3.550 |
| <i>WAPCO Ewekoro</i> | 1.2770 | 226.450 | 289.18 | 561.340 | 439.530 |
| <i>GAS LINK</i> | 1.4130 | 210.280 | 297.13 | 145.700 | 51.690 |
| <i>RVSG</i> | 0.5970 | 64.700 | 38.63 | - | 55.180 |
| <i>NEPA</i> | 161.8710 | 13.210 | 2,138.32 | 1197.670 | 1,317.840 |
| <i>IGIL</i> | 0.0000 | - | - | - | 11.620 |
| <i>PZ Lagos Industries</i> | 0.1950 | 242.630 | 47.31 | 39.590 | 15.910 |
| <i>SPDC ABA</i> | 0.4040 | 89.540 | 36.17 | - | - |
| TOTAL | 176.4350 | | 4,351.27 | 3,165.740 | 4,437.340 |

Table 12b

Nigerian Gas Company: Gas Transmission for January - December, 2002

| CUSTOMER | Quantity | Tarrif | Current Month Receivable Revenue | Payments year to date | Outstanding Debt Since Inception |
|-----------------|-----------------|-------------------|-----------------------------------------|------------------------------|-----------------------------------------|
| | <i>(mmscf)</i> | <i>(=N=/mscf)</i> | <i>(=N= million)</i> | <i>(=N= million)</i> | <i>(=N= million)</i> |
| **SPDC | 0.9650 | 98.500 | 95.053 | 90.04 | 80.960 |
| <i>Edjeba</i> | 0.4230 | 26.340 | 0.160 | 8.040 | 1.210 |
| TOTAL | 1.3880 | | 95.213 | 98.08 | 82.170 |

Note:

Inception:- Commencement of transaction between NGC and Customer

** SPDC pays 40% of its customers' invoices as tarriff to NGC

Table 13**Joint Venture Domestic Gas Sales Statistics: January - December, 2002**

| BUYER | FIELD | VOLUME (scf) | PROCEEDS (=N=) |
|--------------------------------|--------------|--------------------|------------------|
| Bayelsa State Utilities Board | Kolo Creek | 694,018,554.00 | 2,082,055.68 |
| Delta Glass Company | Ughelli East | 750,792,097.00 | 184,875,045.98 |
| Inter. Equitable Ltd | Imo River | 121,380,995.00 | 29,674,584.54 |
| Lever Brothers, Aba | Imo River | 178,309,303.00 | 40,347,389.12 |
| Nigerian Breweries | Imo River | 164,358,881.00 | 40,471,730.86 |
| M.O.P PH Trans Amadi Turbine | Obigbo North | 95,320,000.00 | 4,766,000.00 |
| NEPA, Ughelli | Ughelli East | 10,506,680,624.00 | 138,793,251.02 |
| NNPC - Nafcon | Alakiri | 2,057,471,016.00 | 18,923,740.78 |
| NGC - ALSCON | Alakiri | 3,083,406,986.00 | 69,288,200.74 |
| NNPC - NEPA - Sapele (Oben) | Oben | 23,113,532,522.00 | 106,760,404.65 |
| NGC - NEPA - Sapele | Sapele | 10,369,361,799.00 | 47,268,220.00 |
| NNPC - Nig. Gas Co. Benin City | Utorogu | 43,242,371,017.00 | 199,725,613.68 |
| Pz Industries. Ltd, Aba | Imo River | 316,107,432.00 | 77,838,294.05 |
| Rivers State Utility Board | Apara | 922,307,075.00 | 147,624,470.44 |
| International Glass Ind. Aba | Imo River | 196,418,107.00 | 47,949,531.02 |
| NNPC-Obigbo-North-Gas-Plant | Obigbo North | 24,630,223,558.00 | 181,206,074.57 |
| NGC-ELEME | Afam | 616,129,430.00 | 30,806,471.50 |
| GRAND TOTAL | | 121,058,189,396.00 | 1,368,401,078.63 |

Source: SHELL

NOTE:- This is a Total Joint Venture for NNPC (55%), SHELL (30%), ELF (10%) & AGIP (5%).

Table 14

Gas Produced VS Gas Flared by Companies (Mscf) between 1999 - 2002:

| COMPANY | 1999 | | | 2000 | | | 2001 | | | 2002 | | |
|--------------------------------|----------------------|--------------------|--------------|----------------------|--------------------|--------------|----------------------|--------------------|--------------|----------------------|--------------------|--------------|
| | QTY. Produced | QTY. Flared | % Flared | QTY. Produced | QTY. Flared | % Flared | QTY. Produced | QTY. Flared | % Flared | QTY. Produced | QTY. Flared | % Flared |
| JOINT VENTURE: | | | | | | | | | | | | |
| SHELL | 369,028,639 | 262,631,373 | 71.17 | 511,346,756 | 301,433,988 | 58.95 | 593,587,893 | 321,866,427 | 54.22 | 527,922,606 | 212,456,424 | 40.24 |
| MOBIL | 404,936,932 | 100,213,284 | 24.75 | 422,340,865 | 123,963,940 | 29.35 | 431,631,620 | 135,229,930 | 31.33 | 378,350,669 | 123,981,525 | 32.77 |
| CHEVRON | 202,525,614 | 198,112,501 | 97.82 | 214,291,482 | 204,239,820 | 95.31 | 216,161,767 | 148,239,311 | 68.58 | 197,133,906 | 102,960,919 | 52.23 |
| ELF | 37,632,831 | 34,815,054 | 92.51 | 98,128,755 | 37,512,462 | 38.23 | 111,953,117 | 42,134,124 | 37.64 | 122,444,099 | 44,002,030 | 35.94 |
| NAOC | 268,230,886 | 151,193,882 | 56.37 | 323,281,911 | 158,781,280 | 49.12 | 410,613,099 | 216,151,951 | 52.64 | 375,748,053 | 212,203,266 | 56.47 |
| TEXACO | 34,423,000 | 34,261,683 | 99.53 | 33,880,537 | 33,737,054 | 99.58 | 33,390,760 | 33,210,246 | 99.46 | 20,215,464 | 20,084,262 | 99.35 |
| PAN-OCEAN | 11,575,947 | 11,020,188 | 95.20 | 17,465,121 | 16,617,646 | 95.15 | 23,319,037 | 22,212,576 | 95.26 | 22,156,600 | 20,997,851 | 94.77 |
| SUB - TOTAL | 1,328,353,849 | 792,247,965 | 76.76 | 1,620,735,427 | 876,286,190 | 66.53 | 1,820,657,293 | 919,044,565 | 62.73 | 1,643,971,397 | 736,686,277 | 58.82 |
| SOLE RISK / INDEPENDENT | | | | | | | | | | | | |
| NPDC | 0 | 0 | 0 | 0 | 0 | 0 | 2,264,818 | 1,861,106 | 82.17 | 7,620,091 | 7,421,759 | 97.40 |
| SUB - TOTAL | 0 | 0 | 0 | 0 | 0 | 0 | 2,264,818 | 1,861,106 | 82.17 | 7,620,091 | 7,421,759 | 97.40 |
| GRAND-TOTAL | 1,328,353,849 | 792,247,965 | 76.76 | 1,620,735,427 | 876,286,190 | 66.53 | 1,822,922,111 | 920,905,671 | 72.45 | 1,651,591,488 | 744,108,036 | 78.11 |

SOURCE: From Monthly returns of the Oil Producing Companies.

Figure 5: Gas Production Vs Gas Flared by Oil Producing Companies: 1999 - 2002

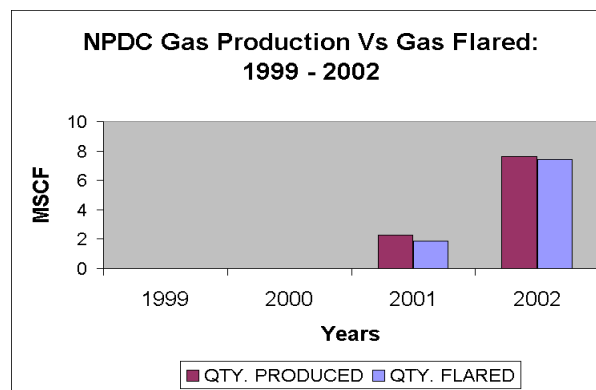
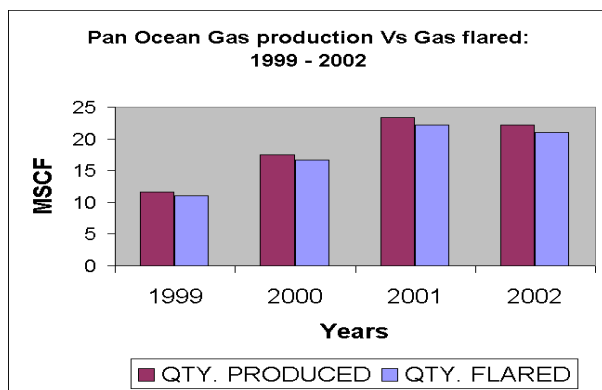
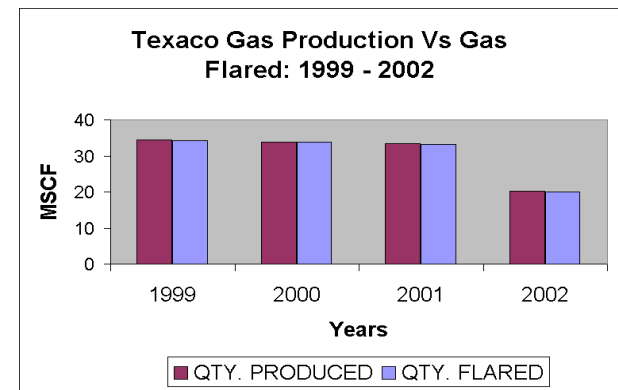
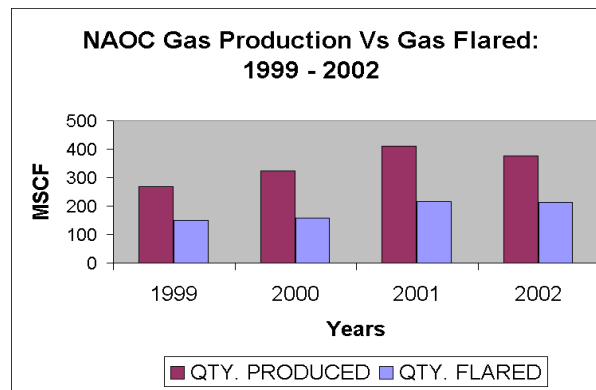
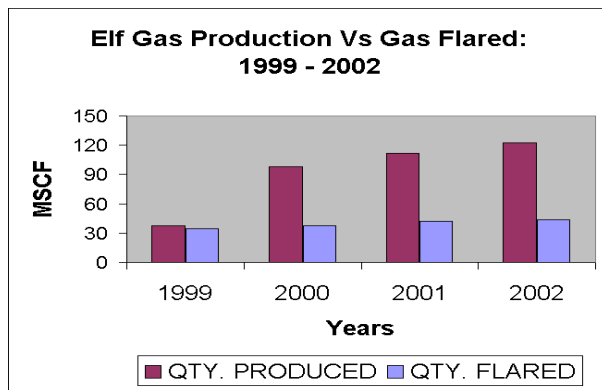
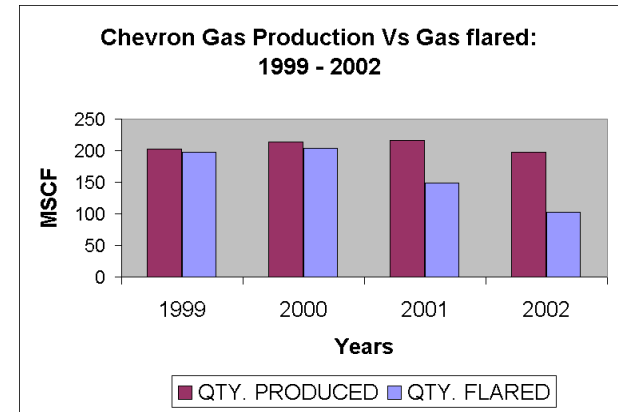
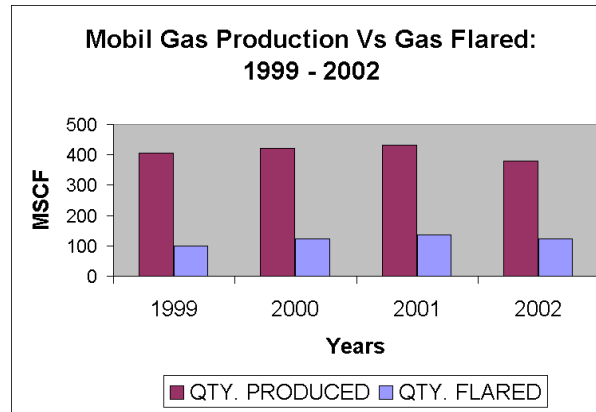
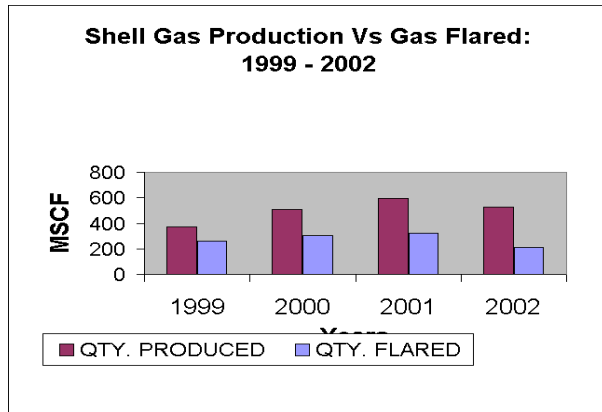


Figure 6:

Trend of % Gas flaring by Oil Producing Companies: 1999 - 2002

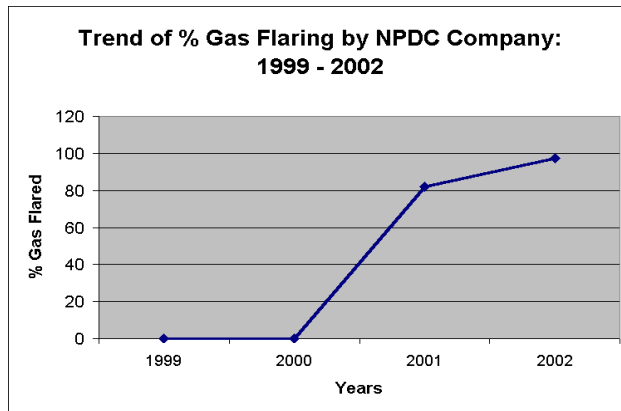
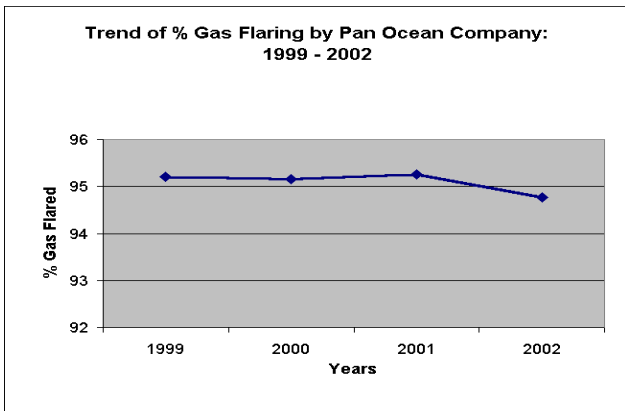
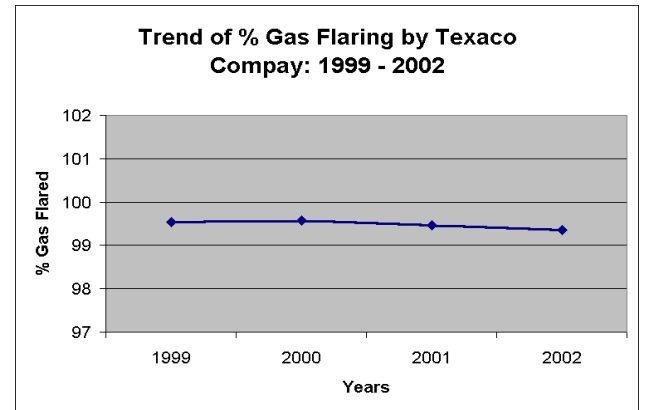
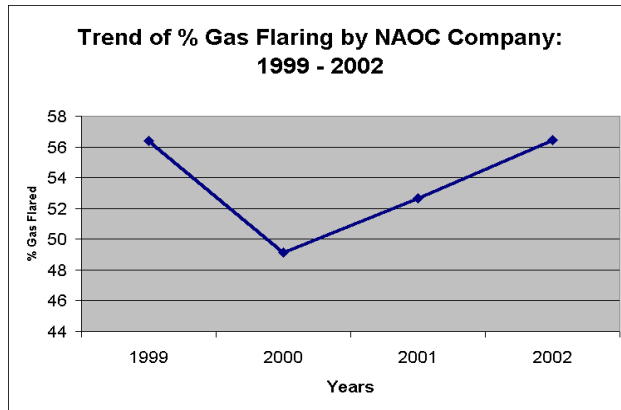
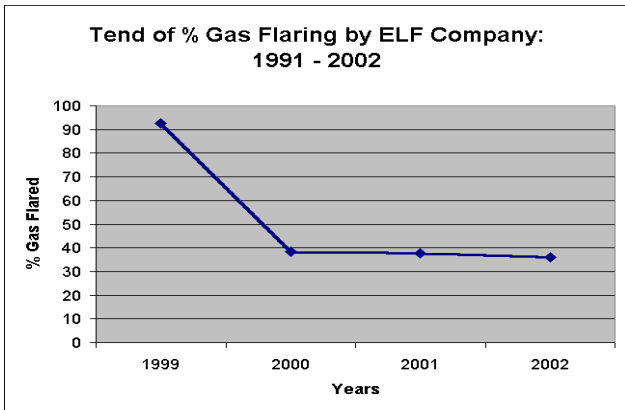
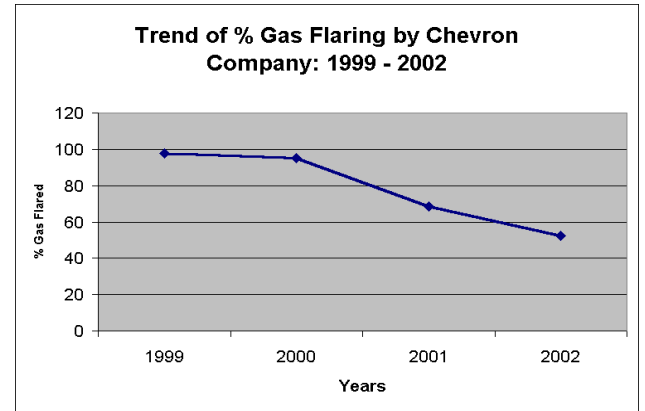
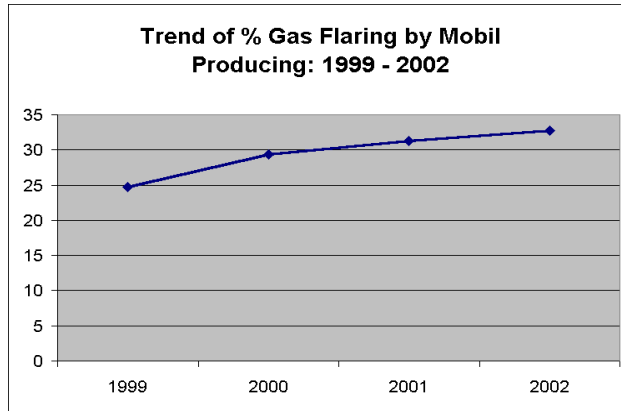
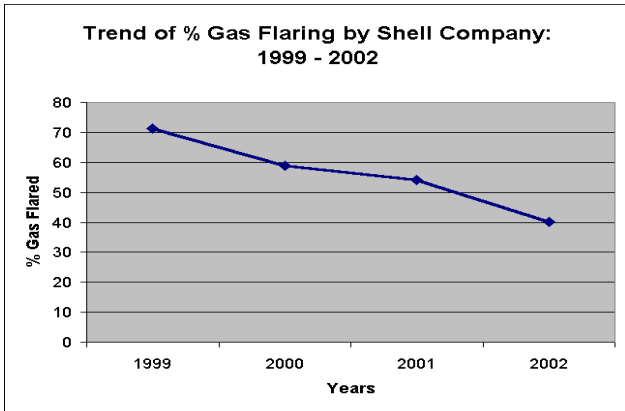


Figure 7

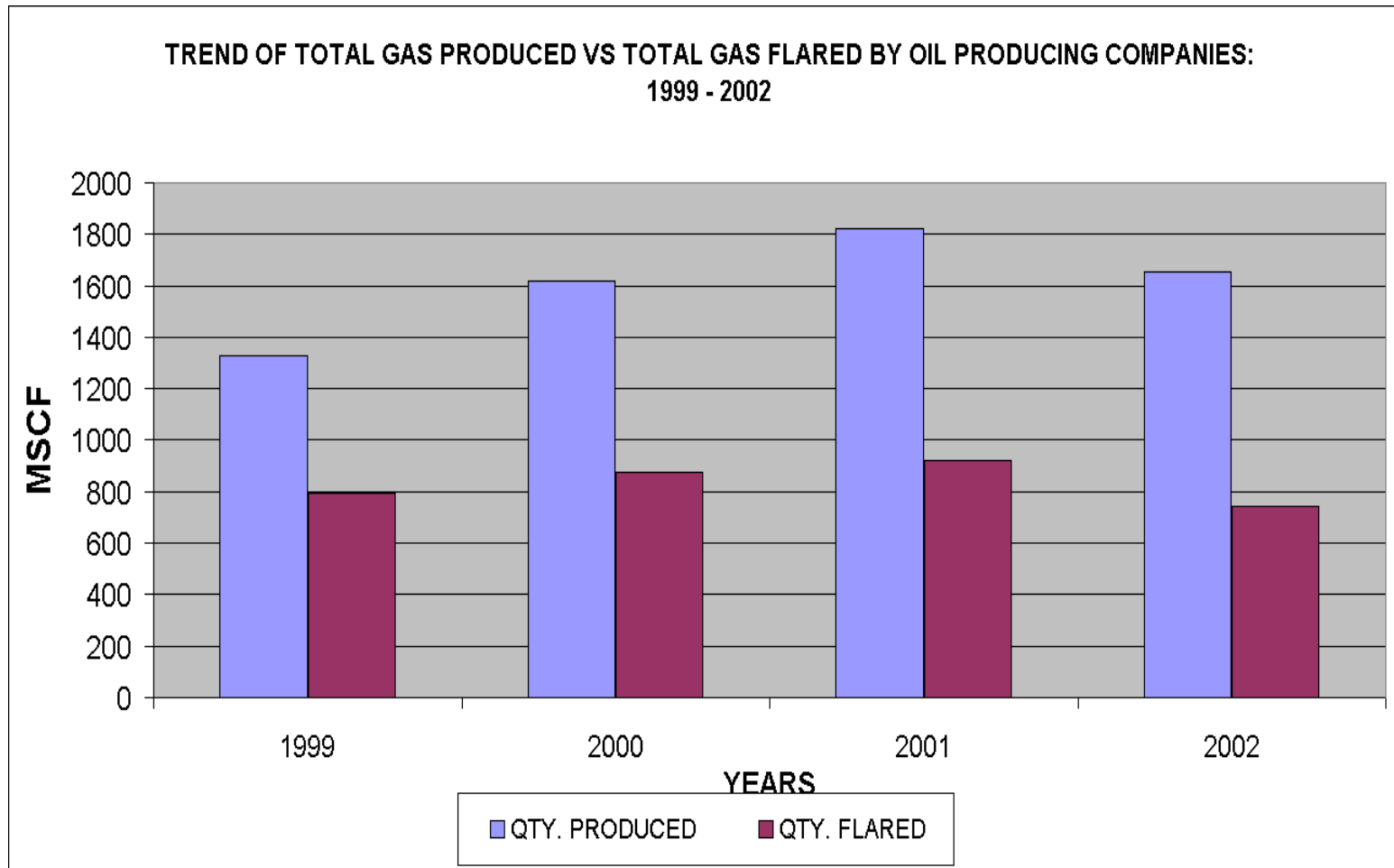


Table 15

***Nigerian Crude Oil Realisable Prices (US Dollars).
January - December, 2002***

| CRUDE STREAM | | | | | | | | | | | |
|---------------------|-----------------------|--------------------|--------------------|-----------------------|-------------------------|--------------------|--------------------|------------------------|-----------------------|----------------|----------------|
| MONTH | Forcados Blend | Bonny Light | Brass Blend | Escravos Light | Pennington Light | Antan Blend | Odudu Blend | Qua- Iboe Light | Oso Condensate | Obe | Okono |
| JANUARY | 19.1993 | 19.3255 | 19.3855 | 19.2405 | 19.4555 | 17.8993 | 18.9993 | 19.2955 | 18.6415 | 18.8255 | 0.0000 |
| FEBRUARY | 19.8050 | 19.9775 | 20.0375 | 19.8925 | 20.1075 | 18.5050 | 19.6050 | 19.9475 | 19.2041 | 19.4775 | 19.2375 |
| MARCH | 23.2215 | 23.4323 | 23.4923 | 23.3223 | 23.5623 | 21.9215 | 23.0216 | 23.3573 | 23.0792 | 22.9323 | 22.6923 |
| APRIL | 25.1736 | 25.3839 | 25.4439 | 25.2489 | 25.5139 | 23.8736 | 24.9736 | 25.2839 | 25.1960 | 25.8839 | 24.6439 |
| MAY | 24.6770 | 24.8115 | 24.8715 | 24.7015 | 24.9415 | 23.3770 | 24.4770 | 24.7365 | 24.6703 | 24.3115 | 24.0715 |
| JUNE | 23.8321 | 23.9446 | 24.0046 | 23.8346 | 24.0746 | 22.5321 | 23.6321 | 23.8696 | 23.8863 | 23.4446 | 23.2046 |
| JULY | 25.5635 | 25.6346 | 25.6946 | 25.4996 | 25.7646 | 24.2635 | 25.4346 | 25.5346 | 25.2419 | 25.1346 | 24.8946 |
| AUGUST | 26.4930 | 26.5907 | 26.6507 | 26.4557 | 26.7207 | 25.1930 | 26.2930 | 26.4907 | 26.1532 | 26.0907 | 25.8507 |
| SEPTEMBER | 28.1588 | 28.2267 | 28.2867 | 28.0917 | 28.3567 | 26.8588 | 27.9588 | 28.1267 | 28.0566 | 27.7267 | 27.4867 |
| OCTOBER | 27.8070 | 27.8704 | 27.9304 | 27.7404 | 28.0004 | 26.9030 | 27.6070 | 27.7704 | 27.8490 | 27.3704 | 27.1304 |
| NOVEMBER | 24.0867 | 24.0152 | 24.0752 | 23.9052 | 24.1452 | 22.7867 | 23.7867 | 23.9402 | 24.1241 | 23.5152 | 23.2752 |
| DECEMBER | 28.8286 | 28.8571 | 28.9171 | 28.7221 | 28.9871 | 27.5286 | 28.6286 | 28.7571 | 28.4878 | 28.3286 | 28.1171 |
| AVERAGE | 24.7372 | 24.8392 | 24.8992 | 24.7213 | 24.9692 | 23.4702 | 24.5348 | 24.7592 | 24.5492 | 24.4201 | 22.5504 |

Source: COMD

Table 16

***Average Spot Prices of OPEC Reference Basket and some selected Crudes (US Dollars).
January - December, 2002***

| CRUDE STREAM | | | | | | | | | | |
|---------------------|--------------------|--------------|------------|--------------------|--------------|----------------------|----------------------|--------------|------------------------|----------------|
| MONTH | OPEC Basket | Brent | WTI | Bonny Light | Minas | Saharan Blend | Arabian Light | Dubai | Tia Juana Light | Isthmus |
| JANUARY | | | | | | | | | | |
| FEBRUARY | 18.3243 | 19.4800 | 19.7300 | 19.6500 | 18.8800 | 19.6400 | 18.8300 | 18.4800 | 15.3700 | 17.4200 |
| MARCH | 18.8886 | 20.2200 | 20.3100 | 20.3000 | 18.9100 | 19.7300 | 19.4700 | 19.0200 | 16.0500 | 18.7400 |
| APRIL | 22.6429 | 23.7300 | 23.6500 | 23.7600 | 22.9200 | 22.8400 | 23.3300 | 22.9600 | 20.1500 | 22.5400 |
| MAY | 24.8643 | 25.6600 | 26.1500 | 25.7100 | 25.7800 | 25.3400 | 24.9800 | 24.5100 | 23.0100 | 24.7200 |
| JUNE | 24.7514 | 25.3300 | 27.1000 | 25.1400 | 25.6600 | 24.7700 | 25.3300 | 24.6900 | 22.8700 | 24.8000 |
| JULY | 23.8186 | 24.1300 | 25.4200 | 24.0900 | 24.6000 | 23.6000 | 24.4200 | 23.9100 | 22.5400 | 23.5700 |
| AUGUST | 25.1386 | 25.8100 | 26.8300 | 25.9600 | 25.2700 | 25.7900 | 25.1300 | 24.6700 | 23.9700 | 25.1800 |
| SEPTEMBER | 25.9857 | 26.6600 | 28.0700 | 26.9200 | 25.9200 | 26.8700 | 25.6300 | 25.2400 | 25.1400 | 26.1800 |
| OCTOBER | 27.4057 | 28.3800 | 29.5200 | 28.5500 | 27.5800 | 28.1700 | 27.1000 | 26.8000 | 26.3100 | 27.3300 |
| NOVEMBER | 27.2886 | 27.5800 | 29.4900 | 27.8000 | 29.6900 | 27.7800 | 26.9500 | 26.3200 | 25.4000 | 27.0800 |
| DECEMBER | 24.3171 | 24.1000 | 26.4600 | 24.1900 | 28.1100 | 24.1900 | 23.8700 | 23.3100 | 22.9200 | 23.6300 |
| AVERAGE | 27.6929 | 26.4200 | 24.1200 | 26.8400 | 31.8400 | 29.3400 | 26.5600 | 24.3600 | 27.0900 | 27.8200 |

Source: Monthly OPEC Bulletin

Table 17

Nigerian Crude Oil Production and Exports (1961 - 2002) (Barrels)

| Year | Production | | Exports | |
|-------------|------------------|---------------|----------------|---------------|
| | Total Production | Daily Average | Total Exports | Daily Average |
| 1961 | 16,801,896 | 46,032.6 | 16,505,985 | 45,221.9 |
| 1962 | 24,623,691 | 67,462.2 | 24,697,969 | 67,665.7 |
| 1963 | 27,913,479 | 76,475.3 | 27,701,320 | 75,894.0 |
| 1964 | 43,996,895 | 120,210.1 | 43,431,563 | 118,665.5 |
| 1965 | 99,353,794 | 272,202.2 | 96,984,975 | 265,712.3 |
| 1966 | 152,428,168 | 417,611.4 | 139,549,969 | 382,328.7 |
| 1967 | 116,553,292 | 319,324.1 | 109,274,902 | 299,383.3 |
| 1968 | 51,907,304 | 141,823.2 | 52,129,858 | 142,431.3 |
| 1969 | 197,204,486 | 540,286.3 | 197,245,641 | 540,399.0 |
| 1970 | 395,835,825 | 1,084,481.7 | 383,446,359 | 1,050,538.0 |
| 1971 | 558,878,882 | 1,531,175.0 | 542,545,131 | 1,486,425.0 |
| 1972 | 665,283,111 | 1,817,713.4 | 650,640,779 | 1,777,707.0 |
| 1973 | 750,452,286 | 2,056,033.7 | 725,017,584 | 1,986,349.5 |
| 1974 | 823,320,724 | 2,255,673.2 | 795,710,044 | 2,180,027.5 |
| 1975 | 651,509,039 | 1,784,956.3 | 627,638,981 | 1,719,558.9 |
| 1976 | 758,058,376 | 2,071,197.7 | 736,822,998 | 2,013,177.6 |
| 1977 | 766,053,944 | 2,098,777.9 | 744,413,355 | 2,039,488.6 |
| 1978 | 692,269,111 | 1,896,627.7 | 667,357,065 | 1,828,375.5 |
| 1979 | 841,226,770 | 2,304,730.9 | 818,726,943 | 2,243,087.5 |
| 1980 | 752,223,285 | 2,055,254.9 | 700,138,614 | 1,912,947.0 |
| 1981 | 525,500,562 | 1,439,727.6 | 447,814,027 | 1,226,887.7 |
| 1982 | 470,687,221 | 1,289,554.0 | 366,410,179 | 1,003,863.5 |
| 1983 | 450,974,545 | 1,235,546.7 | 341,360,910 | 935,235.4 |
| 1984 | 507,998,997 | 1,387,975.4 | 400,428,085 | 1,094,065.8 |
| 1985 | 547,089,595 | 1,498,875.6 | 453,758,591 | 1,243,174.2 |
| 1986 | 535,296,671 | 1,466,566.2 | 445,673,729 | 1,221,023.9 |
| 1987 | 482,886,071 | 1,322,975.5 | 388,815,449 | 1,065,247.8 |
| 1988 | 490,440,000 | 1,340,000.0 | 406,443,000 | 1,110,500.0 |
| 1989 | 626,449,500 | 1,716,300.0 | 556,953,500 | 1,525,900.0 |
| 1990 | 630,245,500 | 1,726,700.0 | 565,750,000 | 1,550,000.0 |
| 1991 | 690,981,500 | 1,893,100.0 | 587,650,000 | 1,610,000.0 |
| 1992 | 716,262,000 | 1,957,000.0 | 580,110,000 | 1,585,000.0 |
| 1993 | 695,398,000 | 1,905,200.0 | 568,305,000 | 1,557,000.0 |
| 1994 | 664,628,500 | 1,820,900.0 | 580,350,000 | 1,590,000.0 |
| 1995 | 672,549,000 | 1,842,600.0 | 607,725,000 | 1,665,000.0 |
| 1996 | 681,894,600 | 1,863,100.0 | 620,135,000 | 1,694,357.9 |
| 1997 | 855,736,287 | 2,344,483.0 | 767,949,757 | 2,103,971.9 |
| 1998 | 806,443,999 | 2,209,435.6 | 706,265,498 | 1,934,974.0 |
| 1999 | 774,703,222 | 2,122,474.6 | 678,111,479 | 1,857,839.7 |
| 2000 | 828,198,163 | 2,262,836.5 | 714,356,161 | 1,951,792.8 |
| 2001 | 859,627,242 | 2,348,708.3 | 780,093,703 | 2,131,403.6 |
| 2002 | 725,859,986 | 1,983,224.0 | 663,326,494 | 1,812,367.5 |
| GRAND TOTAL | 21,040,258,291 | 1,371,509.5 | 18,884,345,400 | 1,230,981.4 |

NOTE: Production includes Condensate.

Table 18
Nigerian Natural Gas Production and Disposal (1961 - 2002)
(Million Cubic Metres)

| Year | Gas Produced | Gas Utilised | Gas Flared |
|--------------------|---------------------|---------------------|-------------------|
| 1961 | 310 | N/A | N/A |
| 1962 | 486 | N/A | N/A |
| 1963 | 626 | N/A | N/A |
| 1964 | 1,029 | N/A | N/A |
| 1965 | 2,849 | 116 | 2,733 |
| 1966 | 2,908 | 216 | 2,692 |
| 1967 | 2,634 | 102 | 2,532 |
| 1968 | 1,462 | 151 | 1,311 |
| 1969 | 4,126 | 64 | 4,062 |
| 1970 | 8,068 | 111 | 7,957 |
| 1971 | 12,996 | 206 | 12,790 |
| 1972 | 17,122 | 274 | 16,848 |
| 1973 | 21,882 | 395 | 21,487 |
| 1974 | 27,170 | 394 | 26,776 |
| 1975 | 18,656 | 323 | 18,333 |
| 1976 | 21,274 | 657 | 20,617 |
| 1977 | 21,815 | 863 | 20,952 |
| 1978 | 20,486 | 1,046 | 19,440 |
| 1979 | 27,450 | 1,378 | 26,073 |
| 1980 | 24,551 | 2,337 | 22,214 |
| 1981 | 17,113 | 3,643 | 13,470 |
| 1982 | 15,382 | 3,442 | 11,940 |
| 1983 | 15,192 | 3,244 | 11,948 |
| 1984 | 16,251 | 3,438 | 12,813 |
| 1985 | 18,569 | 4,647 | 13,922 |
| 1986 | 18,738 | 4,821 | 13,917 |
| 1987 | 17,170 | 4,976 | 12,194 |
| 1988 | 20,250 | 5,510 | 14,740 |
| 1989 | 25,129 | 6,303 | 18,784 |
| 1990 | 28,430 | 6,020 | 22,410 |
| 1991 | 31,460 | 6,800 | 24,660 |
| 1992 | 32,084 | 7,508 | 24,575 |
| 1993 | 33,680 | 7,910 | 25,770 |
| 1994 | 33,680 | 6,770 | 26,910 |
| 1995 | 35,100 | 8,114 | 26,986 |
| 1996 | 35,450 | 8,860 | 26,590 |
| 1997 | 37,150 | 10,383 | 24,234 |
| 1998 | 37,039 | 13,407 | 23,632 |
| 1999 | 43,636 | 21,274 | 22,362 |
| 2000 | 42,732 | 18,477 | 24,255 |
| 2001 | 52,453 | 25,702 | 26,759 |
| 2002 | 48,192 | 23,357 | 24,836 |
| Grand Total | 892,780 | 213,239 | 674,524 |

NOTE: This includes data from PSC, Sole Risk and Independent Companies.
Source: NAPIMS

Table 19

Crude Oil Production in OPEC Member Countries 1961 - 2002 (Thousand Barrels Per Day)

| Year | Algeria | Ecuador | Gabon | Indonesia | I.R. of Iran | Iraq | Kuwait | S.P. Libyan A.J. | Nigeria | Qatar | Suadi Arabia | Unt. Arab Emirates | Venezuela | Total |
|------|----------|---------|--------|-----------|--------------|----------|----------|---------------------|----------|--------|--------------|-----------------------|-----------|-----------|
| 1961 | 330.90 | 8.00 | 14.90 | 424.30 | 1,202.20 | 1,007.10 | 1,735.00 | 18.20 | 46.00 | 117.20 | 1,480.10 | - | 2,919.90 | 9,303.80 |
| 1962 | 436.90 | 7.00 | 16.40 | 453.40 | 1,334.50 | 1,009.20 | 1,957.80 | 182.30 | 67.50 | 186.20 | 1,642.90 | 14.20 | 3,199.80 | 10,508.10 |
| 1963 | 504.30 | 6.80 | 17.70 | 444.00 | 1,491.30 | 1,161.90 | 2,096.30 | 441.80 | 76.50 | 191.50 | 1,786.00 | 48.20 | 3,247.90 | 11,514.20 |
| 1964 | 554.80 | 7.60 | 21.00 | 456.60 | 1,710.70 | 1,255.20 | 2,301.00 | 862.40 | 120.20 | 215.30 | 1,896.50 | 186.80 | 3,392.80 | 12,980.90 |
| 1965 | 557.70 | 7.80 | 24.90 | 480.60 | 1,908.30 | 1,312.60 | 2,360.30 | 1,218.80 | 274.20 | 232.60 | 2,205.30 | 282.20 | 3,472.90 | 14,338.20 |
| 1966 | 718.70 | 7.30 | 28.60 | 464.60 | 2,131.80 | 1,392.20 | 2,484.10 | 1,501.10 | 417.60 | 291.30 | 2,601.80 | 360.00 | 3,371.10 | 15,770.20 |
| 1967 | 825.70 | 6.20 | 69.00 | 505.40 | 2,603.20 | 1,228.10 | 2,499.80 | 1,740.50 | 319.10 | 323.60 | 2,805.00 | 382.10 | 3,542.10 | 16,849.80 |
| 1968 | 904.20 | 5.00 | 91.90 | 600.70 | 2,839.80 | 1,503.30 | 2,613.50 | 2,602.10 | 141.30 | 339.50 | 3,042.90 | 496.60 | 3,604.80 | 18,785.60 |
| 1969 | 946.40 | 4.40 | 99.80 | 742.30 | 3,375.80 | 1,521.20 | 2,773.40 | 3,109.10 | 540.30 | 355.50 | 3,216.20 | 627.80 | 3,594.10 | 20,906.30 |
| 1970 | 1,029.10 | 4.10 | 108.80 | 853.60 | 3,829.00 | 1,548.60 | 2,989.60 | 3,318.00 | 1,083.10 | 362.40 | 3,799.10 | 779.60 | 3,708.00 | 23,413.00 |
| 1971 | 785.40 | 3.70 | 114.60 | 892.10 | 4,539.50 | 1,694.10 | 3,196.70 | 2,760.80 | 1,531.20 | 430.70 | 4,768.90 | 1,059.50 | 3,549.10 | 25,326.30 |
| 1972 | 1,062.30 | 78.10 | 125.20 | 1,080.80 | 5,023.10 | 1,465.50 | 3,283.00 | 2,239.40 | 1,815.70 | 482.40 | 6,016.30 | 1,202.70 | 3,219.90 | 27,094.40 |
| 1973 | 1,097.30 | 208.80 | 150.20 | 1,338.50 | 5,860.90 | 2,018.10 | 3,020.40 | 2,174.90 | 2,054.30 | 570.30 | 7,596.20 | 1,532.60 | 3,366.00 | 30,988.50 |
| 1974 | 1,008.60 | 177.00 | 201.50 | 1,374.50 | 6,021.60 | 1,970.60 | 2,546.10 | 1,521.30 | 2,255.00 | 518.40 | 8,479.70 | 1,678.60 | 2,976.30 | 30,729.20 |
| 1975 | 982.60 | 160.90 | 223.00 | 1,306.50 | 5,350.10 | 2,261.70 | 2,084.20 | 1,479.80 | 1,783.20 | 437.60 | 7,075.40 | 1,663.80 | 2,346.20 | 27,155.00 |
| 1976 | 1,075.10 | 187.90 | 222.80 | 1,503.60 | 5,882.90 | 2,415.40 | 2,145.40 | 1,932.60 | 2,066.80 | 497.30 | 8,577.20 | 1,936.40 | 2,294.40 | 30,737.80 |
| 1977 | 1,152.30 | 183.40 | 222.00 | 1,686.20 | 5,662.80 | 2,348.20 | 1,969.00 | 2,063.40 | 2,085.10 | 444.60 | 9,199.90 | 1,998.70 | 2,237.90 | 31,253.50 |
| 1978 | 1,161.20 | 201.80 | 208.70 | 1,635.20 | 5,241.70 | 2,562.00 | 2,131.40 | 1,982.50 | 1,897.00 | 486.70 | 8,301.10 | 1,830.50 | 2,165.50 | 29,805.30 |
| 1979 | 1,153.80 | 214.20 | 203.40 | 1,590.80 | 3,167.90 | 3,167.90 | 2,500.30 | 2,091.70 | 2,302.00 | 508.10 | 9,532.60 | 1,830.70 | 2,356.40 | 30,619.80 |
| 1980 | 1,019.90 | 204.10 | 174.50 | 1,575.70 | 1,467.30 | 2,646.40 | 1,663.70 | 1,831.60 | 2,058.00 | 471.40 | 9,900.50 | 1,701.90 | 2,165.00 | 26,880.00 |
| 1981 | 797.80 | 211.00 | 151.40 | 1,604.20 | 1,315.90 | 897.40 | 1,129.70 | 1,217.80 | 1,439.60 | 415.20 | 9,808.00 | 1,502.30 | 2,108.30 | 22,598.60 |
| 1982 | 704.50 | 198.30 | 155.10 | 1,324.80 | 2,391.30 | 1,012.10 | 824.30 | 1,136.00 | 1,287.00 | 332.00 | 6,483.00 | 1,248.80 | 1,895.00 | 18,992.20 |
| 1983 | 660.90 | 237.50 | 155.40 | 1,245.30 | 2,441.70 | 1,098.80 | 1,054.10 | 1,104.90 | 1,235.50 | 269.00 | 4,539.40 | 1,149.00 | 1,800.80 | 16,992.30 |
| 1984 | 695.40 | 256.10 | 157.40 | 1,280.10 | 2,032.40 | 1,221.30 | 1,163.00 | 984.60 | 1,388.00 | 325.30 | 4,079.10 | 1,069.00 | 1,695.50 | 16,347.20 |
| 1985 | 672.40 | 280.60 | 171.70 | 1,181.50 | 2,192.30 | 1,404.40 | 936.30 | 1,023.70 | 1,498.90 | 290.10 | 3,175.00 | 1,056.80 | 1,564.00 | 15,447.70 |
| 1986 | 673.90 | 256.50 | 164.70 | 1,256.80 | 2,037.10 | 1,876.50 | 1,237.70 | 1,308.00 | 1,466.60 | 313.60 | 4,784.20 | 1,308.90 | 1,648.50 | 18,333.00 |
| 1987 | 648.20 | 180.90 | 154.50 | 1,158.10 | 2,297.60 | 2,358.70 | 971.60 | 972.50 | 1,323.00 | 291.40 | 3,975.20 | 1,417.70 | 1,575.50 | 17,324.90 |
| 1988 | 650.70 | 300.80 | 157.00 | 1,177.50 | 2,305.40 | 2,739.80 | 1,396.50 | 1,029.80 | 1,367.60 | 319.40 | 5,086.30 | 1,509.50 | 1,578.10 | 19,618.40 |
| 1989 | 727.30 | 278.90 | 204.30 | 1,231.00 | 2,814.10 | 2,785.80 | 1,463.50 | 1,129.20 | 1,716.30 | 320.20 | 5,064.50 | 1,857.80 | 1,747.40 | 21,340.30 |
| 1990 | 785.90 | 0.00 | 0.00 | 1,299.30 | 3,134.50 | 2,110.00 | 849.20 | 1,388.70 | 1,726.70 | 405.60 | 6,412.50 | 1,819.70 | 2,135.20 | 22,067.30 |
| 1991 | 803.00 | 0.00 | 0.00 | 1,450.00 | 3,398.90 | 285.80 | 190.10 | 1,403.20 | 1,893.10 | 391.20 | 8,117.80 | 2,093.90 | 2,286.20 | 22,313.20 |
| 1992 | 756.50 | 0.00 | 0.00 | 1,347.70 | 3,431.60 | 526.20 | 1,057.20 | 1,432.70 | 1,957.00 | 423.20 | 8,331.70 | 2,240.50 | 2,345.60 | 23,849.90 |
| 1993 | 747.30 | 0.00 | 0.00 | 1,327.30 | 3,425.20 | 659.50 | 1,881.80 | 1,361.00 | 1,905.20 | 390.30 | 8,047.70 | 2,159.30 | 2,326.00 | 24,230.60 |
| 1994 | 752.50 | 0.00 | 0.00 | 1,332.80 | 3,596.00 | 748.70 | 2,006.60 | 1,389.80 | 1,820.90 | 378.70 | 8,049.00 | 2,166.50 | 2,367.90 | 24,609.40 |
| 1995 | 752.50 | 0.00 | 0.00 | 1,328.40 | 3,595.00 | 736.90 | 2,006.60 | 1,399.00 | 1,842.60 | 389.80 | 8,023.40 | 2,148.00 | 2,378.50 | 24,600.70 |
| 1996 | 805.70 | 0.00 | 0.00 | 1,326.70 | 3,596.00 | 740.40 | 2,005.60 | 1,394.00 | 1,863.10 | 393.10 | 8,162.30 | 2,161.30 | 2,381.00 | 24,829.20 |
| 1997 | 851.00 | 0.00 | 0.00 | 1,390.00 | 3,649.00 | 1,190.00 | 2,088.00 | 1,431.00 | 2,344.00 | 616.00 | 8,304.00 | 2,250.00 | 3,228.00 | 27,341.00 |
| 1998 | 822.00 | 0.00 | 0.00 | 1,342.00 | 3,586.00 | 2,113.00 | 2,076.00 | 1,390.00 | 2,209.40 | 661.00 | 8,250.00 | 2,261.00 | 3,137.00 | 27,847.40 |
| 1999 | 766.00 | 0.00 | 0.00 | 1,310.00 | 3,507.00 | 2,509.00 | 1,907.00 | 1,337.00 | 2,122.48 | 646.00 | 7,655.00 | 2,077.00 | 2,809.00 | 26,645.48 |
| 2000 | 808.00 | 0.00 | 0.00 | 1,279.00 | 3,671.00 | 2,551.00 | 2,101.00 | 1,405.00 | 2,248.72 | 698.00 | 8,247.00 | 2,251.00 | 2,897.00 | 28,156.72 |
| 2001 | 821.00 | 0.00 | 0.00 | 1,216.00 | 3,665.00 | 2,385.00 | 2,032.00 | 1,361.00 | 2,356.00 | 683.00 | 7,918.00 | 2,163.00 | 2,830.00 | 27,430.00 |
| 2002 | 850.00 | 0.00 | 0.00 | 1,210.00 | 3,420.00 | 2,010.00 | 1,600.00 | 1,320.00 | 1,983.00 | 640.00 | 7,380.00 | 1,990.00 | 2,290.00 | 24,693.00 |

NOTE: (1) Ecuador and Gabon stopped being members of OPEC from 1990.

(2) Figure for Nigeria includes Condensate Production.

(3) Figures for 2002 are provisional except that of Nigeria.

Source for other member Countries: OPEC Bulletin

Table 20
World Crude Oil Production and Exports
Vis- a -Vis OPEC and Nigeria: 1961 - 2002 ('000 Barrels Per Day)

| Year | Production | | | Exports | | |
|------|------------|----------|---------|----------|----------|---------|
| | World | OPEC | Nigeria | World | OPEC | Nigeria |
| 1961 | 22,343.6 | 9,363.8 | 46.0 | 8,150.5 | 7,407.6 | 45.2 |
| 1962 | 24,263.4 | 10,508.1 | 67.5 | 9,202.1 | 8,353.2 | 67.7 |
| 1963 | 25,960.1 | 11,514.2 | 76.5 | 10,176.9 | 9,250.9 | 75.9 |
| 1964 | 28,071.9 | 12,983.9 | 120.2 | 11,979.1 | 10,617.2 | 118.7 |
| 1965 | 30,201.5 | 14,339.2 | 272.2 | 13,276.7 | 11,768.3 | 265.7 |
| 1966 | 32,812.3 | 15,770.2 | 417.6 | 15,225.3 | 13,507.7 | 382.3 |
| 1967 | 35,291.9 | 16,849.8 | 319.3 | 16,291.7 | 14,239.5 | 299.4 |
| 1968 | 38,054.1 | 18,785.6 | 141.8 | 18,461.6 | 16,076.7 | 142.4 |
| 1969 | 41,246.0 | 20,906.3 | 540.3 | 20,975.6 | 18,080.0 | 540.4 |
| 1970 | 45,272.7 | 23,413.0 | 1,084.5 | 23,516.6 | 20,223.4 | 1,050.5 |
| 1971 | 47,854.7 | 25,326.3 | 1,531.2 | 25,480.0 | 22,031.7 | 1,486.4 |
| 1972 | 50,708.4 | 27,094.4 | 1,817.7 | 27,779.9 | 24,078.5 | 1,777.7 |
| 1973 | 55,478.9 | 30,988.5 | 2,056.0 | 31,703.9 | 27,547.2 | 1,986.4 |
| 1974 | 55,813.4 | 30,729.2 | 2,255.7 | 31,130.6 | 27,258.9 | 2,180.0 |
| 1975 | 52,746.1 | 27,155.0 | 1,785.0 | 28,521.3 | 24,063.9 | 1,719.6 |
| 1976 | 57,434.4 | 30,737.8 | 2,071.2 | 32,306.8 | 27,098.8 | 2,013.2 |
| 1977 | 59,985.7 | 31,253.5 | 2,098.8 | 32,990.0 | 27,322.7 | 2,030.2 |
| 1978 | 60,245.3 | 29,805.3 | 1,896.6 | 31,848.0 | 25,792.5 | 1,827.1 |
| 1979 | 62,890.8 | 30,928.9 | 2,304.7 | 33,433.4 | 26,477.5 | 2,210.1 |
| 1980 | 60,024.8 | 26,880.0 | 2,055.3 | 29,876.2 | 22,605.3 | 1,960.2 |
| 1981 | 56,183.0 | 22,598.6 | 1,439.7 | 25,849.5 | 18,319.5 | 1,228.4 |
| 1982 | 53,495.0 | 18,992.3 | 1,289.6 | 22,399.1 | 14,049.4 | 1,002.8 |
| 1983 | 52,418.0 | 16,992.3 | 1,235.5 | 21,169.6 | 12,210.7 | 935.2 |
| 1984 | 53,021.1 | 16,347.2 | 1,388.0 | 21,509.1 | 11,737.1 | 1,094.1 |
| 1985 | 52,633.1 | 15,447.7 | 1,498.9 | 20,640.6 | 10,569.5 | 1,333.3 |
| 1986 | 55,530.0 | 18,333.1 | 1,466.6 | 23,011.3 | 12,594.0 | 1,221.2 |
| 1987 | 54,958.0 | 17,324.8 | 1,323.0 | 22,648.8 | 11,797.6 | 1,065.2 |
| 1988 | 57,349.5 | 19,618.5 | 1,340.0 | 24,328.3 | 13,032.9 | 1,110.5 |
| 1989 | 58,206.0 | 21,340.3 | 1,716.3 | 25,898.0 | 14,875.9 | 1,525.9 |
| 1990 | 59,496.9 | 22,067.2 | 1,726.7 | 27,277.2 | 16,050.9 | 1,550.0 |
| 1991 | 59,124.1 | 22,313.1 | 1,893.1 | 27,886.7 | 16,956.7 | 1,610.0 |
| 1992 | 59,709.1 | 23,849.9 | 1,957.0 | 29,092.5 | 17,413.9 | 1,585.0 |
| 1993 | 59,349.9 | 24,230.5 | 1,905.2 | 30,470.7 | 17,899.6 | 1,557.0 |
| 1994 | 59,999.6 | 24,609.4 | 1,820.9 | 31,524.1 | 18,017.9 | 1,590.0 |
| 1995 | 60,416.8 | 24,600.8 | 1,842.6 | 32,231.7 | 18,101.6 | 1,665.0 |
| 1996 | 61,619.0 | 24,769.2 | 1,863.1 | 33,541.6 | 18,456.6 | 1,699.0 |
| 1997 | 62,846.3 | 25,431.8 | 2,344.5 | 34,812.9 | 19,331.1 | 2,104.0 |
| 1998 | 65,005.1 | 27,739.7 | 2,209.4 | 36,435.8 | 20,586.9 | 1,935.0 |
| 1999 | 63,360.0 | 26,227.8 | 2,122.5 | 35,351.0 | 19,405.5 | 1,857.8 |
| 2000 | 65,811.4 | 27,745.2 | 2,262.8 | 37,764.9 | 20,526.7 | 1,951.8 |
| 2001 | 65,498.7 | 26,872.5 | 2,348.7 | 37,332.7 | 19,880.8 | 2,131.4 |
| 2002 | 70,840.0 | 24,550.0 | 1,983.2 | N/A | N/A | 1,812.4 |

NOTE: Figure for Nigeria includes Condensate Production.

World & OPEC crude oil production figures are provisional for year 2002, while exports figures are not available at the time of compilation of this report.

Source: OPEC Bulletin for World and OPEC figures.

Table 21

OPEC & Nigeria: % Contribution to World Crude Oil Production and Exports 1961 - 2002 ('000 Barrels Per Day)

| Year | Production | | | | | Exports | | | | |
|------|------------|----------|--------|---------|-----------|----------|----------|--------|---------|-----------|
| | World | OPEC | OPEC % | Nigeria | Nigeria % | World | OPEC | OPEC % | Nigeria | Nigeria % |
| 1961 | 22,343.6 | 9,363.8 | 41.9 | 46.0 | 0.2 | 8,150.5 | 7,407.6 | 90.9 | 45.2 | 0.6 |
| 1962 | 24,263.4 | 10,508.1 | 43.3 | 67.5 | 0.3 | 9,202.1 | 8,353.2 | 90.8 | 67.7 | 0.7 |
| 1963 | 25,960.1 | 11,514.2 | 44.4 | 76.5 | 0.3 | 10,176.9 | 9,250.9 | 90.9 | 75.9 | 0.7 |
| 1964 | 28,071.9 | 12,983.9 | 46.3 | 120.2 | 0.4 | 11,979.1 | 10,617.2 | 88.6 | 118.7 | 1.0 |
| 1965 | 30,201.5 | 14,339.2 | 47.5 | 272.2 | 0.9 | 13,276.7 | 11,768.3 | 88.6 | 265.7 | 2.0 |
| 1966 | 32,812.3 | 15,770.2 | 48.1 | 417.6 | 1.3 | 15,225.3 | 13,507.7 | 88.7 | 382.3 | 2.5 |
| 1967 | 35,291.9 | 16,849.8 | 47.7 | 319.3 | 0.9 | 16,291.7 | 14,239.5 | 87.4 | 299.4 | 1.8 |
| 1968 | 38,054.1 | 18,785.6 | 49.4 | 141.8 | 0.4 | 18,461.6 | 16,076.7 | 87.1 | 142.4 | 0.8 |
| 1969 | 41,246.0 | 20,906.3 | 50.7 | 540.3 | 1.3 | 20,975.6 | 18,080.0 | 86.2 | 540.4 | 2.6 |
| 1970 | 45,272.7 | 23,413.0 | 51.7 | 1,084.5 | 2.4 | 23,516.6 | 20,223.4 | 86.0 | 1,050.5 | 4.5 |
| 1971 | 47,854.7 | 25,326.3 | 52.9 | 1,531.2 | 3.2 | 25,480.0 | 22,031.7 | 86.5 | 1,486.4 | 5.8 |
| 1972 | 50,708.4 | 27,094.4 | 53.4 | 1,817.7 | 3.6 | 27,779.9 | 24,078.5 | 86.7 | 1,777.7 | 6.4 |
| 1973 | 55,478.9 | 30,988.5 | 55.9 | 2,056.0 | 3.7 | 31,703.9 | 27,547.2 | 86.9 | 1,986.4 | 6.3 |
| 1974 | 55,813.4 | 30,729.2 | 55.1 | 2,255.7 | 4.0 | 31,130.6 | 27,258.9 | 87.6 | 2,180.0 | 7.0 |
| 1975 | 52,746.1 | 27,155.0 | 51.5 | 1,785.0 | 3.4 | 28,521.3 | 24,063.9 | 84.4 | 1,719.6 | 6.0 |
| 1976 | 57,434.4 | 30,737.8 | 53.5 | 2,071.2 | 3.6 | 32,306.8 | 27,098.8 | 83.9 | 2,013.2 | 6.2 |
| 1977 | 59,985.7 | 31,253.5 | 52.1 | 2,098.8 | 3.5 | 32,990.0 | 27,322.7 | 82.8 | 2,030.2 | 6.2 |
| 1978 | 60,245.3 | 29,805.3 | 49.5 | 1,896.6 | 3.1 | 31,848.0 | 25,792.5 | 81.0 | 1,827.1 | 5.7 |
| 1979 | 62,890.8 | 30,928.9 | 49.2 | 2,304.7 | 3.7 | 33,433.4 | 26,477.5 | 79.2 | 2,210.1 | 6.6 |
| 1980 | 60,024.8 | 26,880.0 | 44.8 | 2,055.3 | 3.4 | 29,876.2 | 22,605.3 | 75.7 | 1,960.2 | 6.6 |
| 1981 | 56,183.0 | 22,598.6 | 40.2 | 1,439.7 | 2.6 | 25,849.5 | 18,319.5 | 70.9 | 1,228.4 | 4.8 |
| 1982 | 53,495.0 | 18,992.3 | 35.5 | 1,289.6 | 2.4 | 22,399.1 | 14,049.4 | 62.7 | 1,002.8 | 4.5 |
| 1983 | 52,418.0 | 16,992.3 | 32.4 | 1,235.5 | 2.4 | 21,169.6 | 12,210.7 | 57.7 | 935.2 | 4.4 |
| 1984 | 53,021.1 | 16,347.2 | 30.8 | 1,388.0 | 2.6 | 21,509.1 | 11,737.1 | 54.6 | 1,094.1 | 5.1 |
| 1985 | 52,633.1 | 15,447.7 | 29.3 | 1,498.9 | 2.8 | 20,640.6 | 10,569.5 | 51.2 | 1,333.3 | 6.5 |
| 1986 | 55,530.0 | 18,333.1 | 33.0 | 1,466.6 | 2.6 | 23,011.3 | 12,594.0 | 54.7 | 1,221.2 | 5.3 |
| 1987 | 54,958.0 | 17,324.8 | 31.5 | 1,323.0 | 2.4 | 22,648.8 | 11,797.6 | 52.1 | 1,065.2 | 4.7 |
| 1988 | 57,349.5 | 19,618.5 | 34.2 | 1,340.0 | 2.3 | 24,328.3 | 13,032.9 | 53.6 | 1,110.5 | 4.6 |
| 1989 | 58,206.0 | 21,340.3 | 36.7 | 1,716.3 | 2.9 | 25,898.0 | 14,875.9 | 57.4 | 1,525.9 | 5.9 |
| 1990 | 59,496.9 | 22,067.2 | 37.1 | 1,726.7 | 2.9 | 27,277.2 | 16,050.9 | 58.8 | 1,550.0 | 5.7 |
| 1991 | 59,124.1 | 22,313.1 | 37.7 | 1,893.1 | 3.2 | 27,886.7 | 16,956.7 | 60.8 | 1,610.0 | 5.8 |
| 1992 | 59,709.1 | 23,849.9 | 39.9 | 1,957.0 | 3.3 | 29,092.5 | 17,413.9 | 59.9 | 1,585.0 | 5.4 |
| 1993 | 59,349.9 | 24,230.5 | 40.8 | 1,905.2 | 3.2 | 30,470.7 | 17,899.6 | 58.7 | 1,557.0 | 5.1 |
| 1994 | 59,999.6 | 24,609.4 | 41.0 | 1,820.9 | 3.0 | 31,524.1 | 18,017.9 | 57.2 | 1,590.0 | 5.0 |
| 1995 | 60,416.8 | 24,600.8 | 40.7 | 1,842.6 | 3.0 | 32,231.7 | 18,101.6 | 56.2 | 1,665.0 | 5.2 |
| 1996 | 61,619.0 | 24,769.2 | 40.2 | 1,863.1 | 3.0 | 33,541.6 | 18,456.6 | 55.0 | 1,699.0 | 5.1 |
| 1997 | 62,846.3 | 25,431.8 | 40.5 | 1,877.0 | 3.0 | 34,812.9 | 19,331.1 | 55.5 | 2,104.0 | 6.0 |
| 1998 | 65,005.1 | 27,739.7 | 42.7 | 2,209.4 | 3.4 | 36,435.8 | 20,586.9 | 56.5 | 1,935.0 | 5.3 |
| 1999 | 63,360.0 | 26,227.8 | 41.4 | 2,122.5 | 3.3 | 35,351.0 | 19,405.5 | 54.9 | 1,857.8 | 5.3 |
| 2000 | 65,811.4 | 27,745.2 | 42.2 | 2,262.8 | 3.4 | 37,764.9 | 20,526.7 | 54.4 | 1,951.8 | 5.2 |
| 2001 | 65,498.7 | 26,872.5 | 41.0 | 2,348.7 | 3.6 | 37,332.7 | 19,880.8 | 53.3 | 2,131.4 | 5.7 |
| 2002 | 70,840.0 | 24,550.0 | 34.7 | 1,983.2 | 2.8 | N/A | N/A | | 1,812.4 | |

NOTE: Figure for Nigeria includes Condensate Production.

World & OPEC crude oil production figures are provisional for year 2002, while exports figures are not available at the time of compilation of this report.

Source: OPEC Bulletin for World & OPEC figures.

Table 22

Nigerian Crude Oil Reserves and Production Ratio (1961 - 2002)
(Barrels)

| <i>Year</i> | <i>Reserve (Million)</i> | <i>Production (Thousand)</i> | <i>R/P</i> |
|-------------|--------------------------|------------------------------|------------|
| 1961 | 300 | 16,802 | 17.9 |
| 1962 | 400 | 24,624 | 16.2 |
| 1963 | 500 | 27,913 | 17.9 |
| 1964 | 1,000 | 43,997 | 22.7 |
| 1965 | 3,000 | 99,354 | 30.2 |
| 1966 | 3,500 | 152,428 | 23.0 |
| 1967 | 3,550 | 116,553 | 30.5 |
| 1968 | 4,000 | 51,907 | 77.1 |
| 1969 | 5,000 | 197,204 | 25.4 |
| 1970 | 9,300 | 395,836 | 23.5 |
| 1971 | 11,680 | 558,879 | 20.9 |
| 1972 | 15,000 | 665,283 | 22.5 |
| 1973 | 20,000 | 750,452 | 26.7 |
| 1974 | 20,900 | 823,321 | 25.4 |
| 1975 | 20,200 | 651,509 | 31.0 |
| 1976 | 19,445 | 758,058 | 25.7 |
| 1977 | 18,700 | 766,054 | 24.4 |
| 1978 | 18,200 | 692,269 | 26.3 |
| 1979 | 17,400 | 841,227 | 20.7 |
| 1980 | 16,700 | 752,223 | 22.2 |
| 1981 | 16,500 | 525,501 | 31.4 |
| 1982 | 16,750 | 470,687 | 35.6 |
| 1983 | 16,550 | 450,975 | 36.7 |
| 1984 | 16,650 | 507,999 | 32.8 |
| 1985 | 16,600 | 547,090 | 30.3 |
| 1986 | 16,066 | 535,297 | 30.0 |
| 1987 | 15,980 | 482,886 | 33.1 |
| 1988 | 16,000 | 490,440 | 32.6 |
| 1989 | 16,000 | 626,450 | 25.5 |
| 1990 | 17,100 | 630,246 | 27.1 |
| 1991 | 16,720 | 690,982 | 24.2 |
| 1992 | 17,455 | 716,262 | 24.4 |
| 1993 | 20,311 | 695,398 | 29.2 |
| 1994 | 22,586 | 664,629 | 34.0 |
| 1995 | 22,184 | 672,549 | 33.0 |
| 1996 | 24,886 | 681,895 | 36.5 |
| 1997 | 26,277 | 855,001 | 30.7 |
| 1998 | 27,491 | 806,444 | 34.1 |
| 1999 | 27,867 | 774,703 | 36.0 |
| 2000 | 28,196 | 828,198 | 34.0 |
| 2001 | 32,245 | 859,627 | 37.5 |
| 2002 | 32,245 | 725,860 | 44.4 |

Source: NAPIMS

Table 23

2002 Refinery Crude Oil Balance

(Barrels)

| | Q1 | Q2 | Q3 | Q4 | Annual |
|------------------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| <i>Opening Stock</i> | | | | | |
| <i>Arabian Light</i> | 1,007,707 | 1,228,163 | 693,111 | 688,752 | 1,007,707 |
| <i>Bonny Light</i> | 2,330,294 | 2,345,725 | 1,679,106 | 2,334,308 | 2,330,294 |
| <i>Escravos Light</i> | 2,274,986 | 1,424,393 | 1,224,156 | 1,566,541 | 2,274,986 |
| <i>Forcados Blend</i> | 47,315 | 46,049.82 | | | 47,315 |
| Total Stock Additions | 5,660,301 | 5,044,331 | 3,596,373 | 4,589,601 | 5,660,301 |
| <i>Crude Oil Received</i> | | | | | |
| <i>Arabian Light</i> | 286,137 | | | | 286,137 |
| <i>Bonny Light</i> | 10,682,833 | 7,613,868 | 11,976,912 | 9,358,429 | 39,632,042 |
| <i>Escravos Light</i> | 8,793,215 | 11,182,712 | 8,257,922 | 9,923,176 | 38,157,026 |
| <i>Forcados Blend</i> | | 85,371.67 | | | 85,372 |
| Total Receipts | 19,762,186 | 18,881,952 | 20,234,834 | 19,281,605 | 78,160,577 |
| <i>Crude Oil Processed</i> | | | | | |
| <i>Arabian Light</i> | 86,215 | 496,102 | | 230,064 | 812,381 |
| <i>Bonny Light</i> | 10,673,730 | 8,283,153 | 11,328,457 | 9,527,589 | 39,812,929 |
| <i>Escravos Light</i> | 9,952,014 | 10,451,712 | 8,801,713 | 9,616,860 | 38,822,300 |
| <i>Forcados Blend</i> | | 131,421.48 | | | 131,421 |
| Total Processed | 20,711,959 | 19,362,389 | 20,130,170 | 19,374,513 | 79,579,031 |
| <i>Closing Stock</i> | | | | | |
| <i>Arabian Light</i> | 1,207,629 | 732,061 | 693,111 | 458,688 | 481,463 |
| <i>Bonny Light</i> | 2,339,397 | 1,676,440 | 2,327,561 | 2,165,148 | 2,149,407 |
| <i>Escravos Light</i> | 1,116,187 | 2,155,393 | 680,364 | 1,872,857 | 1,609,712 |
| <i>Forcados Blend</i> | 47,315 | - | | | 1,265 |
| Total Closing Stock | 4,710,528 | 4,563,894 | 3,701,036 | 4,496,693 | 4,241,847 |

Source: Refinery Monthly Reports

Fig 8:

Refineries Capacity Utilisation: 1997 - 2002

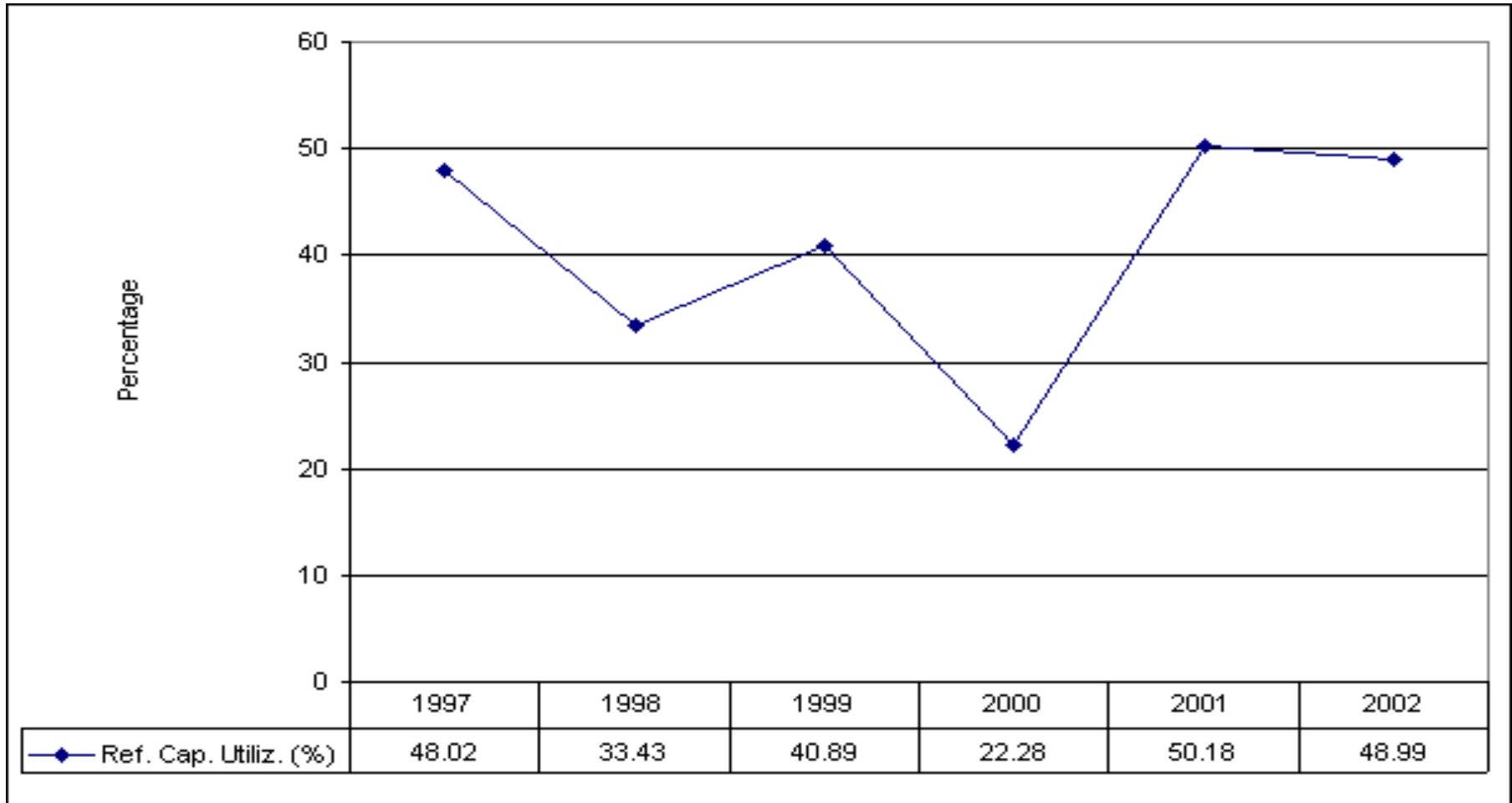


Fig 9:

Quarterly Crude Oil Received Vs Processed - 2002

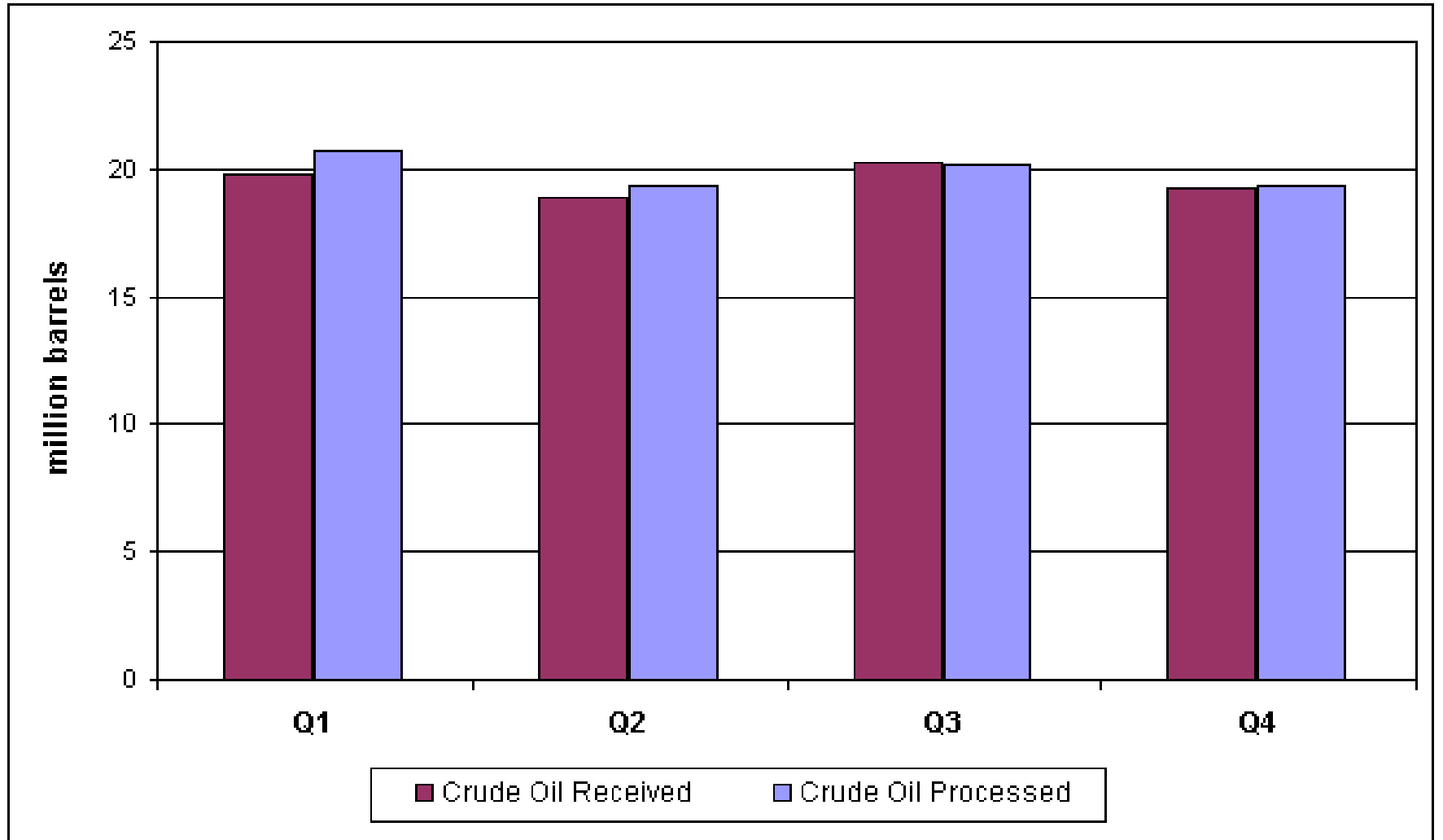
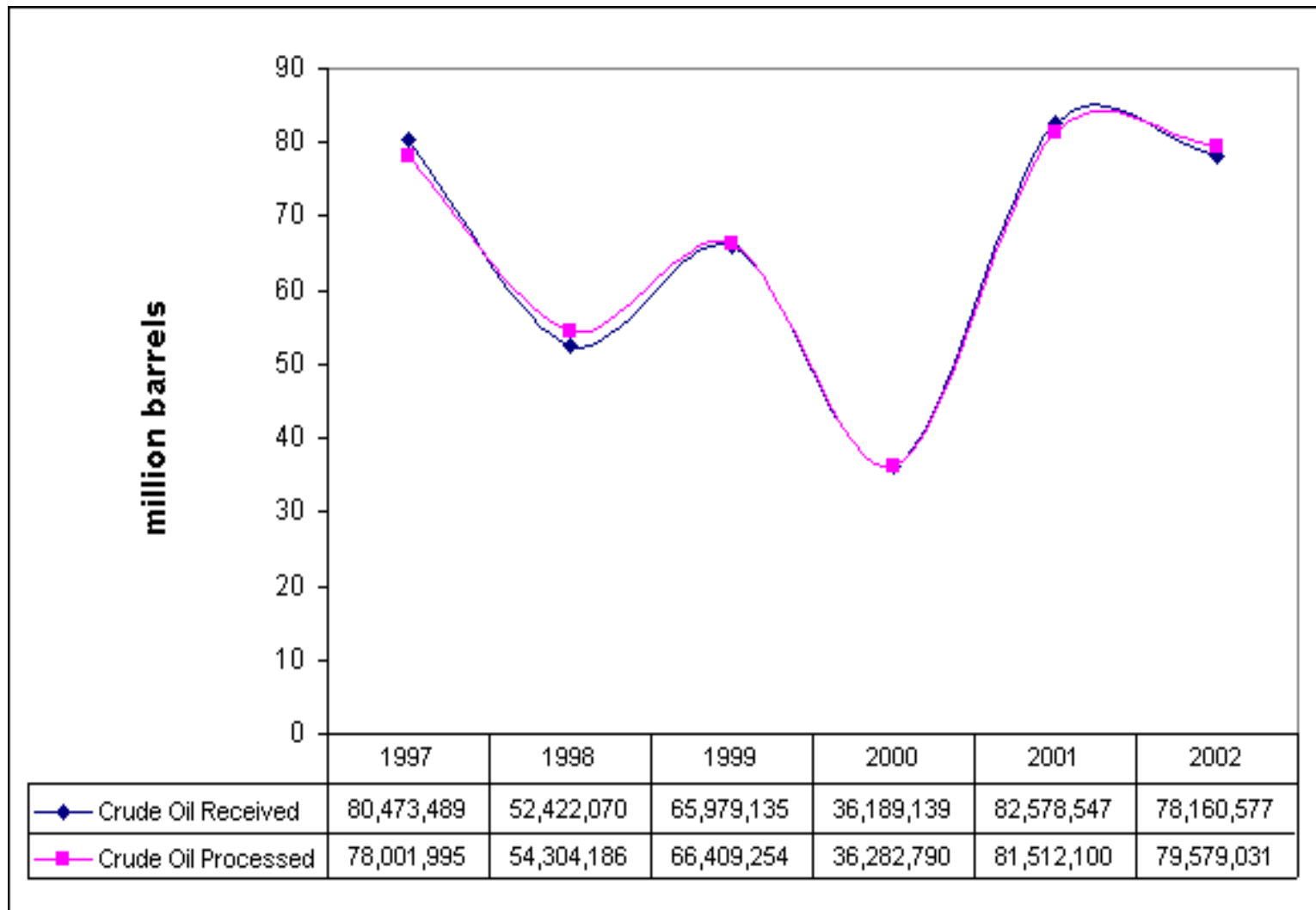


Fig 10: Crude Oil Received Vs Processed (1997 - 2002)



Crude Oil Received - 2002

'000bbls

| <i>Crude Type</i> | <i>January</i> | <i>February</i> | <i>March</i> | <i>April</i> | <i>May</i> | <i>June</i> | <i>July</i> | <i>August</i> | <i>Sept.</i> | <i>October</i> | <i>November</i> | <i>December</i> | <i>Total</i> |
|-----------------------|----------------|-----------------|--------------|--------------|------------|-------------|-------------|---------------|--------------|----------------|-----------------|-----------------|--------------|
| <i>Arabian Light</i> | | | 286.14 | | | | | | | | | | 286.14 |
| <i>Bonny Light</i> | 3,938.43 | 3,778.77 | 2,965.63 | 2,773.24 | 1,282.73 | 3,557.90 | 3,809.37 | 3,893.02 | 4,274.52 | 3,200.05 | 2,778.96 | 3,379.42 | 39,632.04 |
| <i>Escravos Light</i> | 2,066.37 | 3,401.35 | 3,325.50 | 3,765.77 | 4,067.98 | 3,348.97 | 1,794.95 | 3,337.20 | 3,125.78 | 3,260.75 | 3,684.23 | 2,978.20 | 38,157.03 |
| <i>Forcados Blend</i> | | | | | 85.37 | | | | | | | | 85.37 |
| <i>Total Receipts</i> | 6,004.80 | 7,180.12 | 6,577.27 | 6,539.02 | 5,436.07 | 6,906.86 | 5,604.32 | 7,230.21 | 7,400.30 | 6,460.81 | 6,463.18 | 6,357.62 | 78,160.58 |

Source: Refinery Monthly Reports

Fig 11: Crude Oil Received By Type (1997 - 2002)

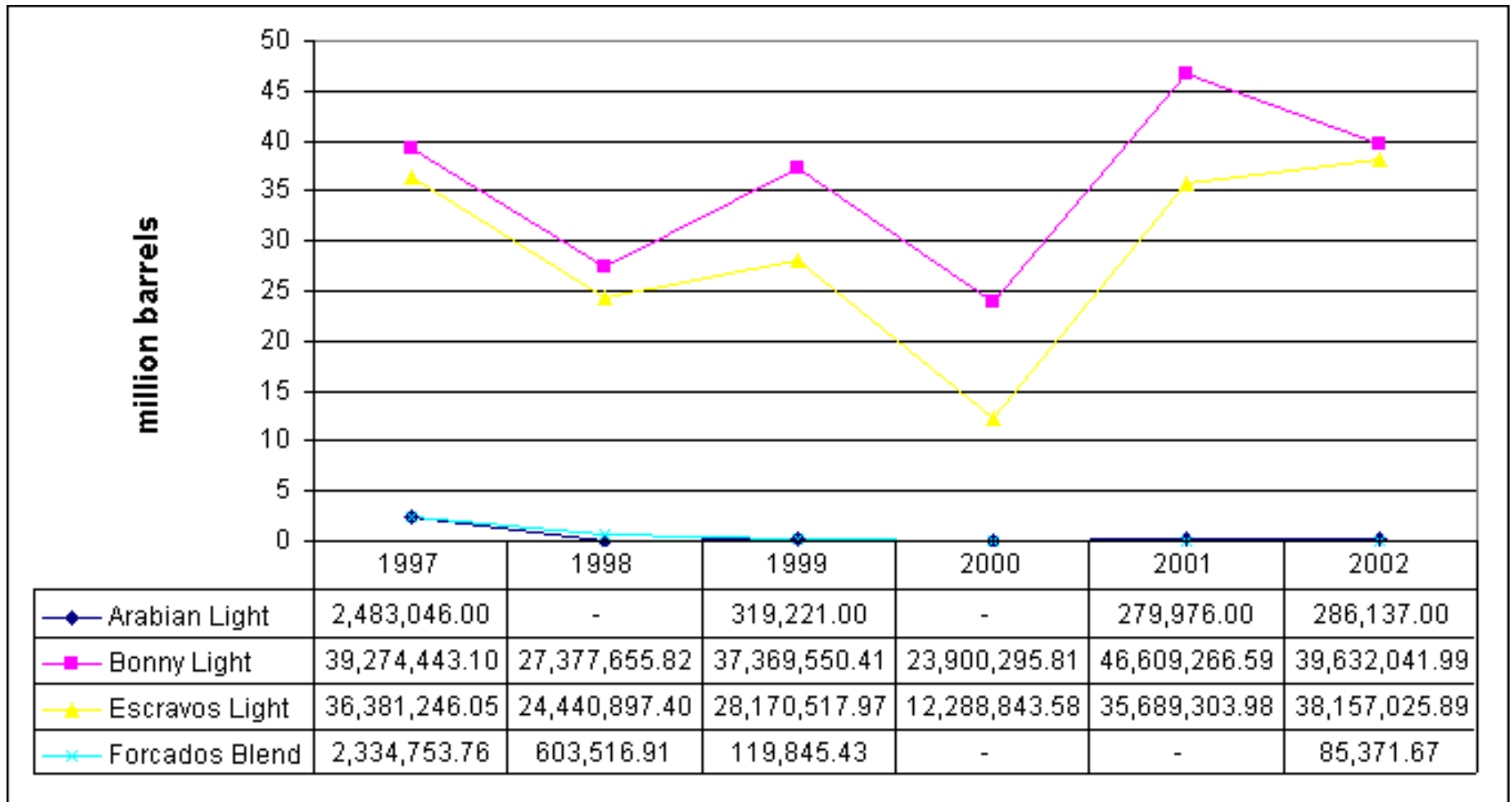


Table 25

Crude Oil Processed - 2002

'000bbls

| Crude Type | January | February | March | April | May | June | July | August | September | October | November | December | Total |
|------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| <i>Arabian Light</i> | | | 86.22 | 496.1 | | | | | | | 141.22 | 88.84 | 812.38 |
| <i>Bonny Light</i> | 3,975.37 | 3,835.42 | 2,862.94 | 2,533.00 | 1,669.08 | 4,081.07 | 3,460.20 | 3,799.92 | 4,068.34 | 3,353.79 | 2,757.97 | 3,415.82 | 39,812.93 |
| <i>Escravos Light</i> | 3,104.20 | 3,427.87 | 3,419.95 | 3,385.55 | 3,705.14 | 3,361.02 | 2,760.91 | 2,802.97 | 3,237.83 | 3,217.48 | 3,474.97 | 2,924.41 | 38,822.30 |
| <i>Forcados Blend</i> | | | | | 22.47 | 108.95 | | | | | | | 131.42 |
| Total Processed | 7,079.57 | 7,263.29 | 6,369.10 | 6,414.65 | 5,396.70 | 7,551.04 | 6,221.12 | 6,602.88 | 7,306.17 | 6,571.28 | 6,374.16 | 6,429.07 | 79,579.03 |

Source: Refinery Monthly Reports

Fig 12: Crude Oil Processed By Type (1997 - 2002)

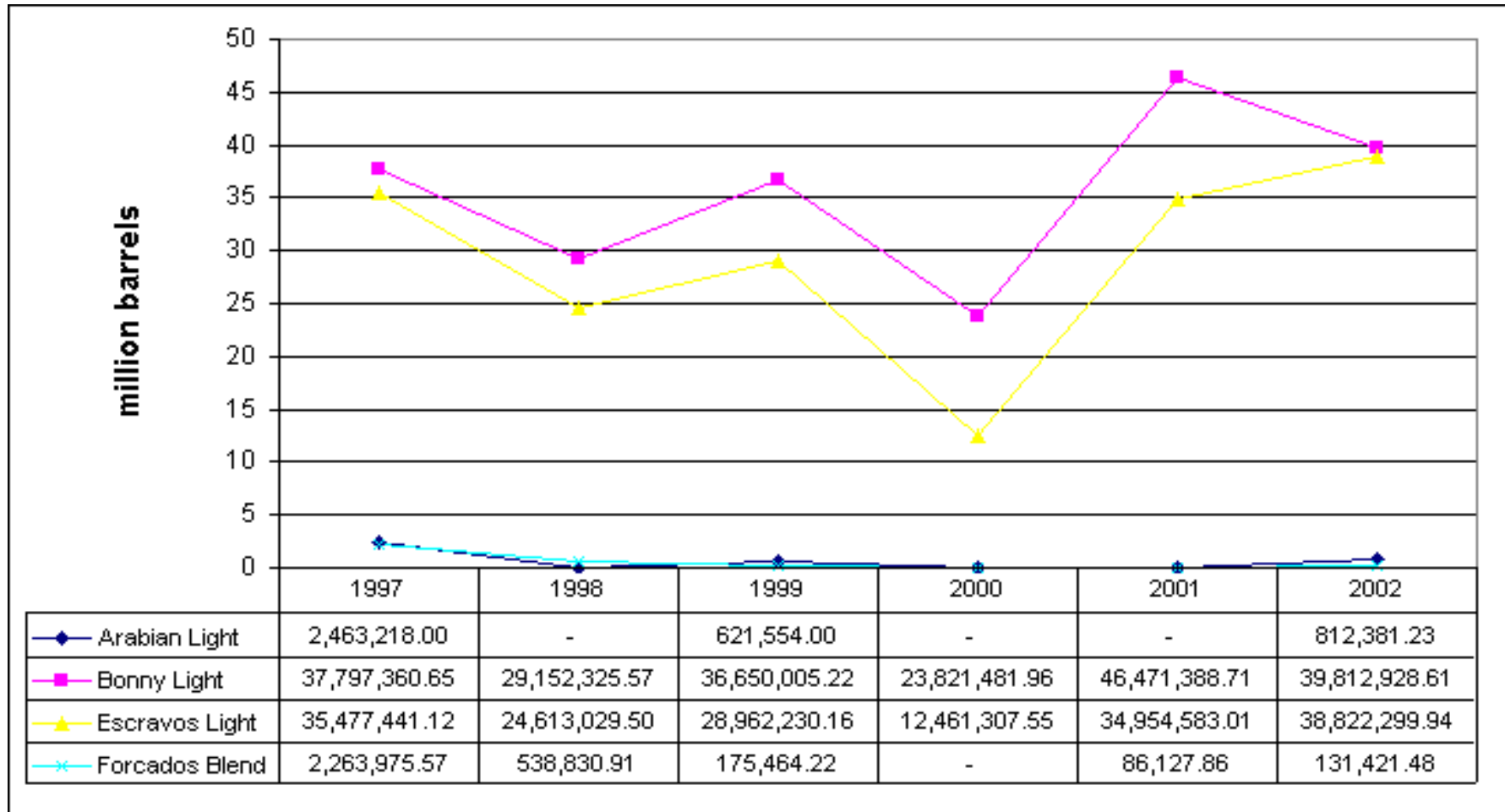


Table 26**Output from Domestic Refineries - 2002***(Metric Tons)*

| <i>Products</i> | <i>January</i> | <i>February</i> | <i>March</i> | <i>April</i> | <i>May</i> | <i>June</i> | <i>July</i> | <i>August</i> | <i>September</i> | <i>October</i> | <i>November</i> | <i>December</i> | <i>Total</i> |
|-------------------------|----------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|------------------|----------------|-----------------|-----------------|------------------|
| <i>LPG</i> | 15,636 | 8,817 | 12,184 | 8,801 | 4,184 | 10,585 | -5,511 | 8,731 | 10,382 | 18,574 | 4,298 | 15,918 | 112,599 |
| <i>PMS</i> | 252,968 | 207,304 | 225,390 | 173,266 | 148,622 | 207,836 | 227,284 | 211,628 | 273,442 | 241,383 | 223,557 | 210,709 | 2,603,389 |
| <i>DPK</i> | 127,114 | 125,473 | 130,901 | 135,290 | 92,331 | 129,421 | 124,558 | 138,756 | 120,952 | 138,291 | 122,435 | 146,887 | 1,532,409 |
| <i>AGO</i> | 222,504 | 230,692 | 206,238 | 205,446 | 158,996 | 249,613 | 195,463 | 203,485 | 238,101 | 194,127 | 209,717 | 201,490 | 2,515,872 |
| <i>Fuel oil</i> | 206,774 | 254,786 | 203,793 | 176,665 | 196,699 | 197,827 | 241,784 | 234,584 | 242,077 | 180,864 | 216,147 | 225,593 | 2,577,593 |
| <i>LRS-1</i> | 43,801 | 43,832 | 47,408 | 37,242 | 36,864 | 32,298 | 19,159 | 24,429 | 5,418 | 10,425 | 26,838 | 26,408 | 354,122 |
| <i>Interm. Products</i> | 678 | 47,825 | -40,303 | 73,887 | 19,916 | 34,072 | -23,869 | -24,885 | -17,424 | 28,476 | 5,909 | -45,761 | 58,521 |
| TOTAL | 869,475 | 918,729 | 785,611 | 810,597 | 657,612 | 861,652 | 778,868 | 796,728 | 872,948 | 812,140 | 808,901 | 781,244 | 9,754,505 |

Source: Refinery Monthly Reports

Fig 13: Finished Products from Domestic Refineries (1997 - 2002)

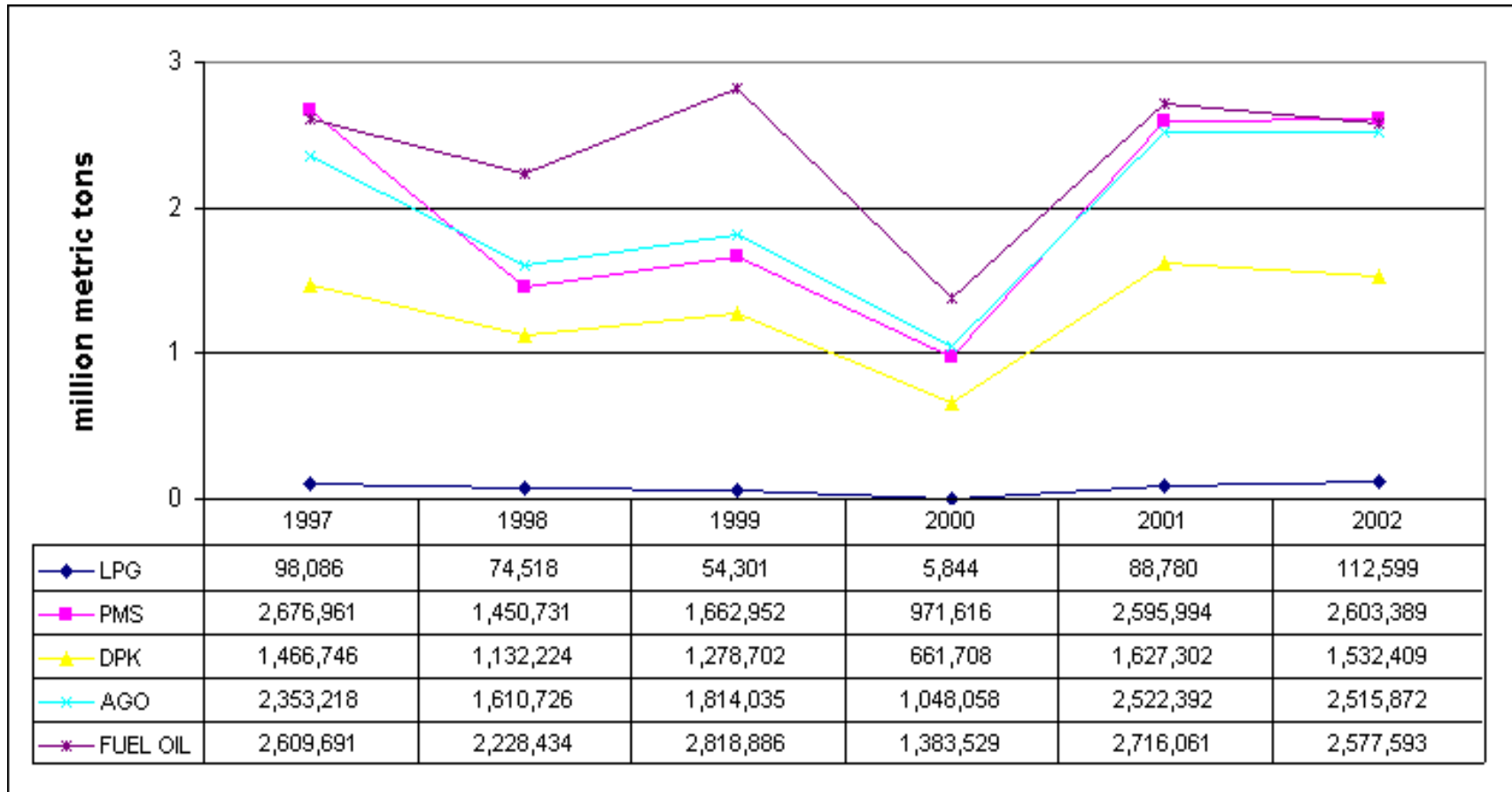


Table 27

Refinery Production Returns: January - December, 2002

(a) Crude Oil

(Metric Tons)

| Crude Type | K R P C | | P H R C | | W R P C | | TOTAL | |
|----------------|------------------|------------------|------------------|------------------|------------------|------------------|-------------------|-------------------|
| | Received | Processed | Received | Processed | Received | Processed | Received | Processed |
| Arabian Light | 39,489 | 99,296 | | | | | 39,489 | 99,296 |
| Bonny Light | | | 5,379,657 | 5,403,324 | | | 5,379,657 | 5,403,324 |
| Escravos Light | 1,802,538 | 1,822,915 | | | 3,334,390 | 3,405,234 | 5,136,928 | 5,228,149 |
| Forcados Blend | | | | | 12,080 | 18,596 | 12,080 | 18,596 |
| Total | 1,842,027 | 1,922,211 | 5,379,657 | 5,403,324 | 3,346,470 | 3,423,830 | 10,568,154 | 10,749,365 |

(b) Finished Products

(Metric Tons)

| Products | K R P C | | P H R C | | W R P C | | TOTAL | |
|------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|-------------------|--------------------|
| | Actual Production | Evacuation by PPMC | Actual Production | Evacuation by PPMC | Actual Production | Evacuation by PPMC | Actual Production | Evacuation by PPMC |
| LPG | 1,617 | 1,471 | 73,718 | 65,455 | 37,264 | 13,878 | 112,599 | 80,804 |
| PMS | 438,275 | 443,201 | 1,546,150 | 1,731,106 | 618,964 | 1,055,841 | 2,603,389 | 3,230,148 |
| DPK | 232,612 | 242,731 | 784,331 | 781,258 | 515,466 | 501,808 | 1,532,409 | 1,525,797 |
| AGO | 400,447 | 413,793 | 1,329,065 | 1,303,963 | 786,360 | 766,296 | 2,515,872 | 2,484,052 |
| Fuel Oil | 179,678 | 183,108 | 1,154,787 | 1,158,944 | 1,243,128 | 1,250,877 | 2,577,593 | 2,592,929 |
| LRS | 354,122 | 350,686 | | | | | 354,122 | 350,686 |
| Interm. Products | 116,487 | 95,484 | -81,836 | 39,053 | 23,870 | 81,580 | 58,521 | 216,117 |
| TOTAL | 1,723,238 | 1,730,474 | 4,806,215 | 5,079,779 | 3,225,052 | 3,670,280 | 9,754,505 | 10,480,533 |

Source: Refinery Monthly Report

Table 28

**Refinery Fuel and Loss Statistics:
For the months of January - December, 2002**

| <i>Products</i> | K R P C | | P H R C | | W R P C | | TOTAL | |
|---------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|----------------------------------|--------------------------------------|
| | <i>Quantity</i> (<i>mt</i>) | <i>% Wt. of</i> <i>Production</i> | <i>Quantity</i> (<i>mt</i>) | <i>% Wt. of</i> <i>Production</i> | <i>Quantity</i> (<i>mt</i>) | <i>% Wt. of</i> <i>Production</i> | <i>Quantity</i> (<i>mt</i>) | <i>% Wt. of</i> <i>Production</i> |
| <u>R/Fuel</u> | 224,117 | 11.66 | 386,581 | 7.15 | 172,824 | 5.05 | 783,522 | 7.29 |
| <i>Gas</i> | 34,961 | 1.82 | 178,895 | 3.31 | 24,862 | 0.73 | 238,718 | 2.22 |
| <i>LPG</i> | 17,930 | 0.93 | | | 13,080 | 0.38 | 31,010 | 0.29 |
| <i>LPFO</i> | 164,389 | 8.55 | 75,357 | 1.39 | 96,248 | 2.81 | 335,994 | 3.13 |
| <i>AGO</i> | | | 49,619 | 0.92 | 38,634 | 1.13 | 88,253 | 0.82 |
| <i>Coke Burnt</i> | 6,837 | 0.36 | 82,710 | 1.53 | | | 89,547 | 0.83 |
| <i>Gas/LPG Flared</i> | 26,631 | 1.39 | 84,762 | 1.57 | | | 111,393 | 1.04 |
| <i>Losses</i> | 13,913 | 0.72 | 55,759 | 1.03 | 22,757 | 0.66 | 92,429 | 0.86 |
| <i>R/Fuel & Loss</i> | 264,661 | 13.77 | 527,102 | 9.76 | 195,581 | 5.71 | 987,344 | 9.19 |

Source: Refinery Monthly Report

Table 29

Domestic Consumption of Petroleum Product By States: January - December, 2002

('000Litres)

| Products | Abia | Adamawa | Akwa- Ibom | Anambra | Bauchi | Bayelsa | Benue | Borno | Cross- River | Delta | Ebonyi | Edo | Ekiti | Enugu | Gombe | Imo | Jigawa | Kaduna | Kano | Katsina |
|--------------------|----------------|---------------|---------------|----------------|---------------|--------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|---------------|----------------|----------------|---------------|
| LPG. | 229 | 29 | 13 | 48 | 8 | | 22 | 12 | 65 | 928 | | 938 | 14 | 216 | 4 | 28 | | 323 | 680 | 7 |
| PMS | 81,447 | 64,735 | 36,796 | 67,168 | 53,926 | 644 | 51,245 | 82,335 | 57,228 | 175,421 | 17,659 | 167,248 | 25,188 | 96,217 | 37,468 | 81,900 | 22,206 | 290,825 | 299,223 | 65,474 |
| DPK | 22,248 | 10,191 | 4,849 | 13,439 | 6,008 | 30 | 13,325 | 7,505 | 13,998 | 65,965 | 4,430 | 45,166 | 2,092 | 30,540 | 4,537 | 23,766 | 3,985 | 68,079 | 61,977 | 5,381 |
| AGO | 29,474 | 20,998 | 11,038 | 17,768 | 14,033 | 1,080 | 12,958 | 12,336 | 13,611 | 54,254 | 12,768 | 49,712 | 2,835 | 38,367 | 8,923 | 19,700 | 4,156 | 98,798 | 71,085 | 14,345 |
| LPFO | 89 | 11 | | 216 | 2,917 | | 278 | 459 | | 1,996 | | 542 | | 2,890 | | 318 | | 22,321 | 6,206 | 33 |
| Lubricating Oils | 1,088 | 600 | 690 | 1,291 | 534 | | 942 | 1,234 | 1,366 | 4,036 | 165 | 2,641 | 292 | 1,063 | 363 | 973 | 96 | 4,534 | 4,371 | 747 |
| Greases | 52 | 3,200 | 47 | 43 | 28 | 1,600 | 57 | 4,964 | 168 | 127 | 3,400 | 111 | 4,312 | 279 | 4,204 | 44 | 0.018 | 116 | 163 | 8,145 |
| Pet. Jelly / Waxes | 1,000 | | | | | | 1,000 | 2,000 | | | | | | 9,000 | | | | | | 919 |
| Bitumen & Asphalts | 66 | | 407,787 | 7,359 | 0,400 | | 0,705 | 5,005 | 406 | 3,348 | 1,826 | 11,010 | | 725 | 98 | 4,500 | 251 | 7,408 | 1,471 | 46 |
| Base Oils | 466 | 210 | 216 | 357 | 119 | | 76 | 135 | 362 | 880 | | 1,688 | | 403 | | 389 | 48 | 1,107 | 329 | 187 |
| Additives | 254 | 90 | 104 | 251 | 61 | | 86 | 45 | 126 | 523 | | 396 | | 206 | | 241 | 47 | 521 | 182 | 73 |
| Brake Fluids | 104 | | | 40 | | | 2,000 | 1,000 | 2,000 | 16 | 1,000 | 1,000 | | 1,000 | 4,000 | | | | | 611 |
| Special Products | 0.022 | | 0.001 | 0.020 | 0.001 | | 0.002 | | 0.029 | 0.653 | | 0.330 | 0.002 | 0.001 | | 0.021 | | 0.296 | 0.139 | |
| Gas Appliances | 0.005 | 0.010 | 0.001 | 0.074 | | | 0.010 | 0.004 | 0.001 | 0.034 | | 0.088 | | 0.019 | 0.012 | 0.011 | | 0.261 | 0.208 | |
| Chemicals | 700 | 60 | 211 | 543 | 83 | | 63,176 | 49 | 139 | 370 | 0.600 | 526 | | 131 | | 241 | 31 | 1,623 | 980 | 60 |
| Others | | | | | 1,726 | | | | | | | | | | | | | | | |
| Total | 136,217 | 96,927 | 54,372 | 101,171 | 79,445 | 1,756 | 79,056 | 104,123 | 87,472 | 307,865 | 36,854 | 279,980 | 30,425 | 171,046 | 51,399 | 127,608 | 30,821 | 495,653 | 448,197 | 86,360 |

Source: Monthly Returns from the Major Petroleum Products Marketing Companies

Table 29 Contd.
Domestic Consumption of Petroleum Product By States: January - December, 2002

('000Litres)

| Products | Kebbi | Kogi | Kwara | Lagos | Nasarawa | Niger | Ogun | Ondo | Osun | Oyo | Plateau | Rivers | Sokoto | Taraba | Yobe | Zamfara | Abuja | Independent Marketers Liftings | Total Sold |
|--------------------|---------------|---------------|----------------|------------------|-----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|---------------|---------------|---------------|----------------|----------------|---------------------------------------|-------------------|
| LPG. | | 46 | 292 | 8,521 | 21 | 6 | 1,030 | 277 | 63 | 947 | 169 | 228 | 10 | | 4 | 6 | 144 | 25,200 | 40,528 |
| PMS | 20,310 | 43,036 | 99,274 | 1,361,908 | 21,744 | 130,151 | 247,861 | 111,932 | 113,015 | 267,124 | 124,719 | 271,717 | 66,549 | 22,333 | 27,213 | 26,380 | 315,803 | 3,642,174 | 8,687,595 |
| DPK | 1,537 | 6,512 | 11,036 | 240,742 | 3,265 | 20,112 | 25,326 | 9,539 | 9,691 | 25,751 | 13,936 | 110,008 | 8,316 | 3,773 | 4,531 | 2,712 | 44,135 | 964,362 | 1,912,793 |
| AGO | 2,816 | 11,811 | 12,843 | 264,609 | 6,068 | 16,857 | 38,076 | 14,644 | 15,509 | 48,813 | 24,355 | 149,884 | 7,529 | 8,759 | 7,866 | 3,694 | 43,533 | 1,460,068 | 2,645,976 |
| LPFO | | | 2,226 | 49,423 | | 164 | 7,792 | 2,515 | | 5,157 | 3,163 | 5,247 | 15 | 11 | | 198 | 164 | 72,665 | 187,015 |
| Lubricating Oils | 163 | 500 | 505 | 23,384 | 272 | 909 | 3,249 | 1,119 | 694 | 3,039 | 1,615 | 7,414 | 793 | 145 | 814 | 338 | 2,801 | | 74,781 |
| Greases | 0.900 | 21 | 14 | 1,208 | 1.200 | 4.100 | 51 | 11 | 5.900 | 98 | 39 | 280 | 13.867 | 11 | 22.101 | 12.400 | 113 | | 3,169 |
| Pet. Jelly / Waxes | | | | 3,352 | | | 21 | | | | 433 | | | | | | | | 4,738 |
| Bitumen & Asphalts | 3.064 | 148 | 3.261 | 1,117 | | 36 | 164 | 947 | 839 | 4,687 | 1,134 | 3,782 | | 3,607 | 56,350 | | 11,495 | | 51,494 |
| Base Oils | 71 | 158 | 106 | 2,973 | | 195 | 594 | 89 | 106 | 1,052 | 225 | 1,224 | 58 | 79 | 278 | | 1,359 | | 15,541 |
| Additives | 63 | 51 | 79 | 1,610 | | 172 | 205 | 58 | 69 | 694 | 43 | 547 | 31 | 77 | 243 | | 441 | | 7,589 |
| Brake Fluids | | | | 1,327 | | 1,000 | 6,000 | 1,000 | 1,000 | 2,000 | 3,000 | 9,000 | | | | | 1,000 | | 2,134 |
| Special Products | 0.047 | 0.039 | 0.163 | 1.338 | | 0.044 | 0.288 | 0.340 | 0.032 | 0.187 | 0.012 | 0.680 | 0.094 | | | | | | 4,781 |
| Gas Appliances | 0.001 | 0.181 | | 1.183 | | 0.014 | 0.121 | 0.006 | | 0.117 | 0.012 | 1.312 | 0.008 | | 0.016 | | | | 3,709 |
| Chemicals | 230 | 39 | 42 | 5,217 | 245 | 194 | 451 | 37 | 41 | 692 | 36 | 1,928 | 21 | 37 | 25 | | 300 | | 15,347 |
| Others | | | | | | | | | | | | | | | | | | 569,954 | 571,680 |
| Total | 25,195 | 62,322 | 126,421 | 1,965,392 | 31,617 | 168,800 | 324,827 | 141,170 | 140,034 | 358,056 | 169,869 | 552,269 | 83,337 | 35,228 | 41,053 | 33,340 | 420,289 | 6,734,424 | 14,220,389 |
| LPG. | | 46 | 292 | 8,521 | 21 | 6 | 1,030 | 277 | 63 | 947 | 169 | 228 | 10 | | 4 | 6 | 144 | 25,200 | 40,528 |
| PMS | 20,310 | 43,036 | 99,274 | 1,361,908 | 21,744 | 130,151 | 247,861 | 111,932 | 113,015 | 267,124 | 124,719 | 271,717 | 66,549 | 22,333 | 27,213 | 26,380 | 315,803 | 3,642,174 | 8,687,595 |

* : Liftings by Independent Marketers are not Indicated by states.

Source: Monthly Returns from the Major Petroleum Products Marketing Companies

Table 30**Petroleum Products Distribution By Marketing Company: January - December, 2002**

('000Litres)

| <i>Products</i> | <i>African Petroleum</i> | <i>Agip</i> | <i>Elf</i> | <i>Mobil</i> | <i>National</i> | <i>Texaco</i> | <i>Total</i> | <i>Unipetrol</i> | <i>Major Marketers Sub-total</i> | <i>*Independent Marketers</i> | <i>Total Distribution</i> |
|--------------------|--------------------------|----------------|------------------|------------------|------------------|------------------|----------------|------------------|----------------------------------|-------------------------------|---------------------------|
| LPG. | 1,062 | 2,729 | | | 90 | 9,864 | 1,583 | 15,328 | 25,200 | 40,528 | 0.29 |
| PMS | 709,408 | 384,836 | 764,621 | 741,735 | 693,879 | 1,221,213 | 529,730 | 5,045,421 | 3,642,174 | 8,687,595 | 61.09 |
| DPK | 104,598 | 64,499 | 157,669 | 166,235 | 160,917 | 186,020 | 108,493 | 948,431 | 964,362 | 1,912,793 | 13.45 |
| AGO | 155,847 | 98,795 | 179,609 | 105,073 | 155,440 | 356,185 | 134,959 | 1,185,908 | 1,460,068 | 2,645,976 | 18.61 |
| LPFO | 6,244 | 2,252 | 5,958 | 15,699 | 28,593 | 41,139 | 14,464 | 114,349 | 72,665 | 187,015 | 1.32 |
| Lubricating Oils | 6,655 | 6,144 | 12,606 | 3,524 | 7,877 | 34,413 | 3,562 | 74,781 | | 74,781 | 0.53 |
| Greases | 16 | 489 | 1,237 | 1,349 | 1,215 | | 211 | 3,169 | | 3,169 | 0.02 |
| Pet. Jelly / Waxes | | | 4,206 | | 532 | | | 4,738 | | 4,738 | 0.03 |
| Bitumen & Asphalts | | | 1,584 | 4,772 | | 45,137 | 1,000 | 51,494 | | 51,494 | 0.36 |
| Base Oils | | | | 15,221 | | | 320 | 15,541 | | 15,541 | 0.11 |
| Additives | | | | 7,589 | | | | 7,589 | | 7,589 | 0.05 |
| Brake Fluids | | | 2,122 | 12 | | | | 2,134 | | 2,134 | 0.02 |
| Special Products | 4.781 | | | | | | | 4.781 | | 4.781 | 0.00003 |
| Gas Appliances | 3.709 | | | | | | | 3.709 | | 3.709 | 0.00003 |
| Chemicals | | | 5,108 | 9,452 | | | 787 | 15,347 | | 15,347 | 0.11 |
| Others | | | | | | | 1,726 | 1,726 | 569,954 | 571,680 | 4.02 |
| Total | 983,838 | 559,744 | 1,134,720 | 1,069,313 | 1,048,543 | 1,893,971 | 795,836 | 7,485,965 | 6,734,424 | 14,220,389 | 100.00 |

Source: Monthly Returns from the Major Petroleum Products Marketing Companies and PPMC

Table 31

**Petroleum Products Distribution by Zones
January - December, 2002**

| <i>Products</i> | <i>South West</i> | <i>South East</i> | <i>South South</i> | <i>North West</i> | <i>North East</i> | <i>North Central</i> | <i>Abuja</i> | <i>Total</i> |
|-------------------------------|-------------------|-------------------|--------------------|-------------------|-------------------|----------------------|----------------|-------------------|
| <i>LPG.</i> | 10,852 | 521 | 27,297 | 703 | 57 | 954 | 144 | 40,528 |
| <i>PMS</i> | 3,300,853 | 650,169 | 2,282,149 | 518,116 | 321,528 | 1,298,977 | 315,803 | 8,687,595 |
| <i>DPK</i> | 417,710 | 213,132 | 685,767 | 123,497 | 84,616 | 343,936 | 44,135 | 1,912,793 |
| <i>AGO</i> | 530,650 | 254,764 | 1,057,160 | 147,706 | 132,561 | 479,601 | 43,533 | 2,645,976 |
| <i>LPFO</i> | 64,887 | 3,513 | 9,140 | 6,452 | 3,398 | 99,462 | 164 | 187,015 |
| <i>Lubricating Oils</i> | 31,776 | 4,581 | 16,147 | 6,508 | 3,690 | 9,277 | 2,801 | 74,781 |
| <i>Greases</i> | 1,378 | 420 | 735 | 198 | 74 | 252 | 113 | 3,169 |
| <i>Pet. Jelly / Waxes</i> | 3,373 | 10 | - | 919 | 2 | 434 | | 4,738 |
| <i>Bitumen & Asphalts</i> | 7,754 | 2,628 | 18,953 | 1,771 | 163 | 8,730 | 11,495 | 51,494 |
| <i>Base Oils</i> | 4,814 | 1,614 | 4,371 | 693 | 822 | 1,868 | 1,359 | 15,541 |
| <i>Additives</i> | 2,636 | 952 | 1,696 | 395 | 516 | 952 | 441 | 7,589 |
| <i>Brake Fluids</i> | 1,337 | 149 | 28,200 | 611 | 2 | 6 | 1 | 2,134 |
| <i>Special Products</i> | 2 | 0.064 | 1.693 | 0.280 | 0.001 | 0.556 | - | 4.781 |
| <i>Gas Appliances</i> | 1.427 | 0.109 | 1.436 | 0.217 | 0.042 | 0.478 | - | 3.709 |
| <i>Chemicals</i> | 6,438 | 1,616 | 3,175 | 1,322 | 255 | 2,241 | 300 | 15,347 |
| <i>Others</i> | - | - | 1,256.807 | - | 1,726 | 568,697 | - | 571,680 |
| Total | 4,384,461 | 1,134,070 | 4,107,880 | 808,892 | 549,409 | 2,815,388 | 420,289 | 14,220,389 |
| % Distribution | 30.83 | 7.97 | 28.89 | 5.69 | 3.86 | 19.80 | 2.96 | 100.00 |

Source: Monthly Returns from the Major Petroleum Marketing Companies and PPMC

Fig 14:

**Petroleum Products Distribution by Zones:
January - December, 2002**

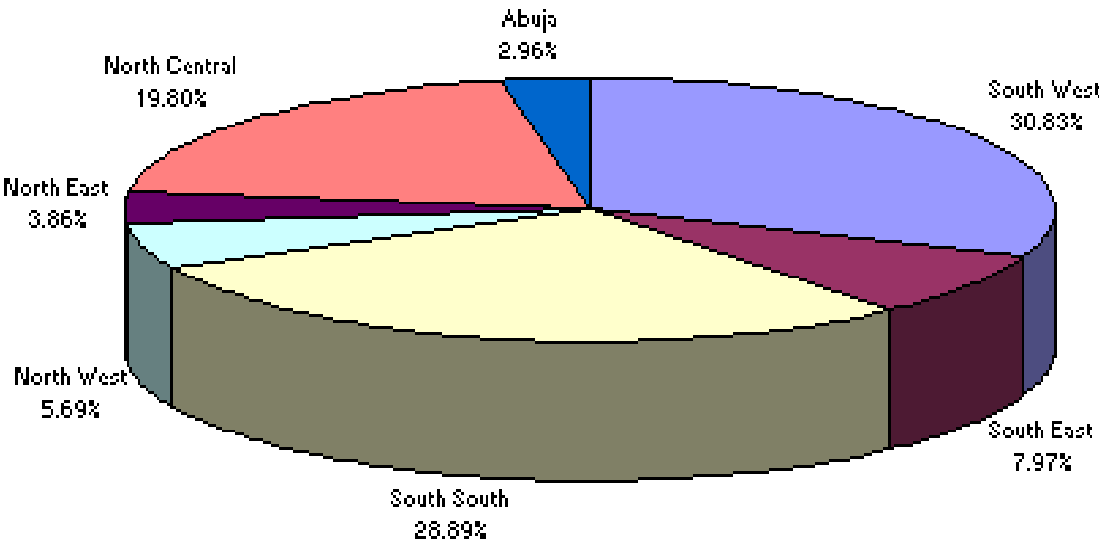


Fig 15: Average Daily Distribution of Petroleum Products: 1997 - 2002

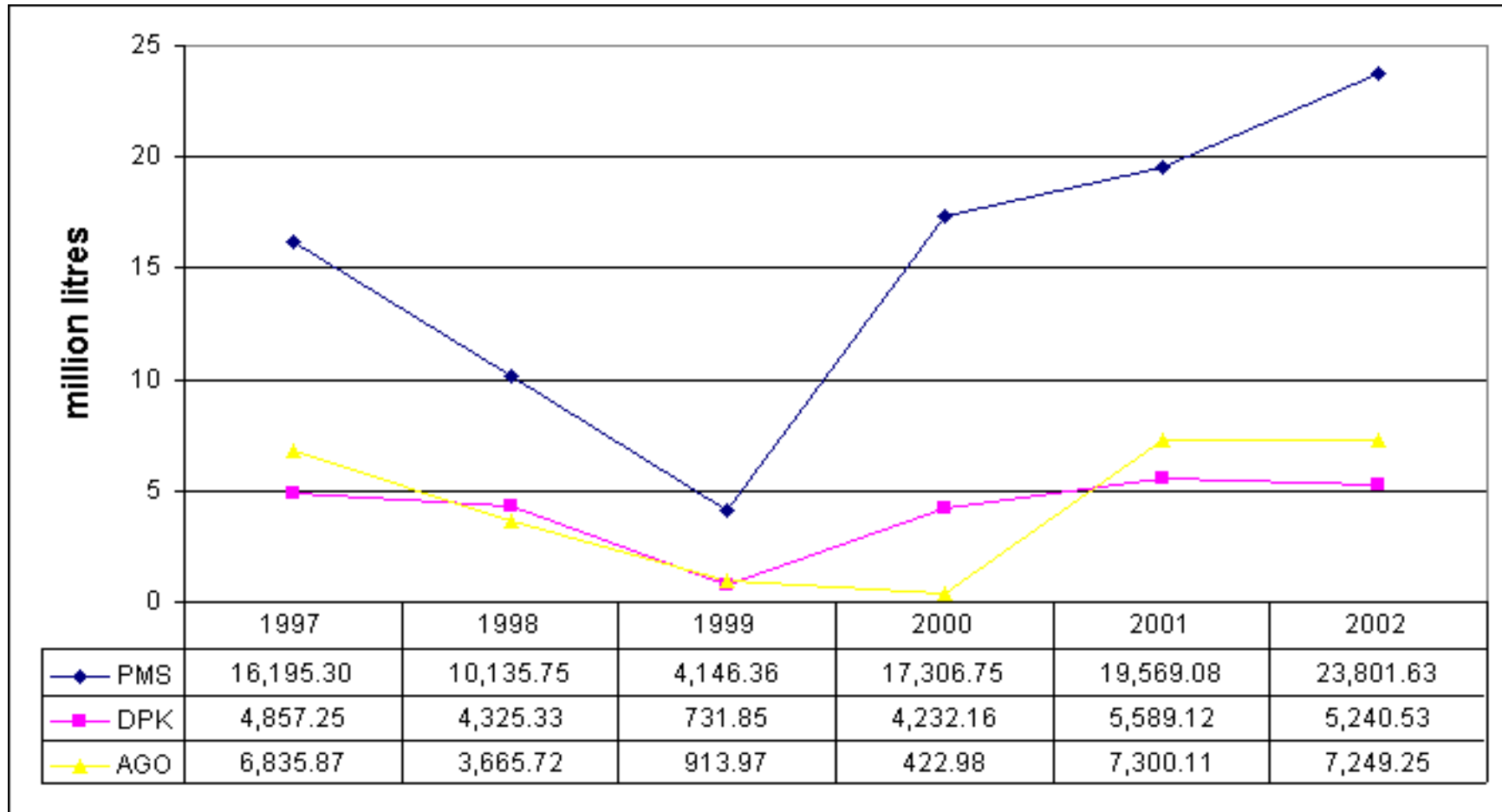


Table 32

Petroleum Products Exports January - December, 2002

| MONTHS | P M S | | D P K | | A T K | | A G O | | H P F O | | L P F O | | L P G | | T O T A L | |
|--------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|------------------|-------------------|---------------------|----------------------|-------------------|---------------------|------------------|-------------------|---------------------|----------------------|
| | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value | Quantity | Value |
| | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) | ('000Litres) | ('000N) |
| January | | | | | 17,767.22 | 444,180.40 | | | 131,054.27 | 1,150,151.81 | 118,538.78 | 995,601.95 | | | 267,360.27 | 2,589,934.16 |
| February | | | | | | | | | 125,836.66 | 1,120,412.69 | 98,114.36 | 894,965.82 | 9,834.26 | 43,090.31 | 233,785.28 | 2,058,468.81 |
| March | | | | | | | | | 205,412.92 | 2,545,539.84 | 33,300.07 | 404,070.06 | | | 238,712.99 | 2,949,609.89 |
| April | | | | | 18,692.38 | 467,309.45 | | | 117,365.63 | 1,720,923.76 | 59,926.09 | 934,745.38 | 6,290.85 | 37,329.11 | 202,274.95 | 3,160,307.71 |
| May | | | | | | | | | 120,436.97 | 1,795,933.49 | 6,005.86 | 49,848.66 | | | 126,442.83 | 1,845,782.15 |
| June | | | | | | | | | 190,845.73 | 2,921,225.69 | 12,941.71 | 165,303.51 | | | 203,787.44 | 3,086,529.20 |
| July | | | 3,628.57 | 68,217.15 | | | 4,678.12 | 96,369.31 | 194,989.23 | 3,283,776.76 | | | | | 203,295.93 | 3,448,363.22 |
| August | | | 7,236.64 | 136,048.78 | | | | | 312,837.78 | 5,561,563.96 | 5,424.21 | 45,020.90 | | | 325,498.62 | 5,742,633.64 |
| September | | | | | | | | | 150,375.43 | 2,855,249.09 | 22,489.79 | 428,974.54 | | | 172,865.22 | 3,284,223.63 |
| October | | | | | | | | | 74,295.27 | 1,475,489.32 | 93,403.48 | 1,685,424.05 | | | 167,698.75 | 3,160,913.37 |
| November | 20,648.48 | 425,358.69 | 3,577.03 | 67,248.24 | | | 6,091.48 | 125,484.49 | 121,390.52 | 1,908,800.59 | 61,406.94 | 1,096,141.42 | 6,532.00 | 84,126.44 | 219,646.46 | 3,707,159.86 |
| December | | | 3,806.44 | 71,561.09 | | | 5,609.54 | 115,556.61 | 140,257.49 | 3,233,644.07 | 65,614.55 | 946,606.48 | 8,400.84 | 72,420.63 | 223,688.87 | 4,439,788.88 |
| Total | 20,648.48 | 425,358.69 | 18,248.68 | 343,075.26 | 36,459.59 | 911,489.85 | 16,379.15 | 337,410.41 | 1,885,097.91 | 29,572,711.07 | 577,165.86 | 7,646,702.77 | 31,057.94 | 236,966.49 | 2,585,057.61 | 39,473,714.53 |

Source: PPMC

Fig 16:

Products Exports: 1997 - 2002

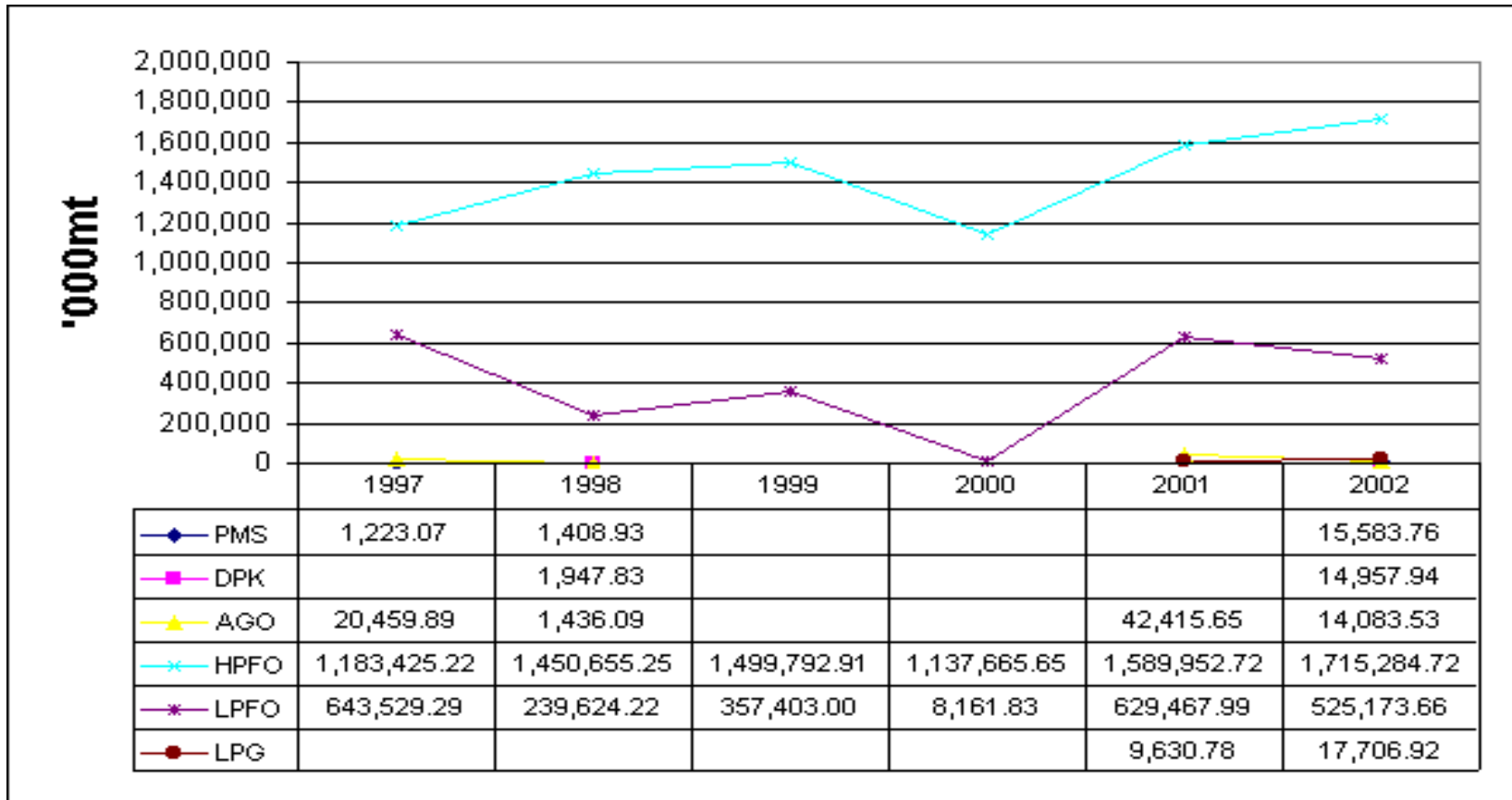


Table 33**Petroleum Products Imports
January - December, 2002***(Metric Tons)*

| PRODUCTS | | | | |
|------------------|---------------------|-------------------|------------------|---------------------|
| <i>MONTHS</i> | <i>PMS</i> | <i>DPK</i> | <i>AGO</i> | <i>TOTAL</i> |
| <i>January</i> | 184,071.34 | - | - | 184,071.34 |
| <i>February</i> | 367,864.46 | 38,702.82 | - | 406,567.28 |
| <i>March</i> | 148,828.94 | - | - | 148,828.94 |
| <i>April</i> | 377,203.18 | 102,134.57 | - | 479,337.75 |
| <i>May</i> | 501,225.97 | - | - | 501,225.97 |
| <i>June</i> | 231,907.28 | 37,852.47 | 23,271.94 | 293,031.69 |
| <i>July</i> | 306,749.42 | 48,874.32 | - | 355,623.74 |
| <i>August</i> | 512,968.72 | - | 28,074.94 | 541,043.66 |
| <i>September</i> | 482,671.69 | - | 14,662.49 | 497,334.18 |
| <i>October</i> | 365,392.87 | 48,797.66 | - | 414,190.53 |
| <i>November</i> | 369,117.83 | 90,972.70 | - | 460,090.53 |
| <i>December</i> | 188,482.52 | 37,562.25 | 28,341.99 | 254,386.76 |
| Total | 4,036,484.22 | 404,896.79 | 94,351.36 | 4,535,732.37 |

Fig 17: Petroleum Products Imports (1997 - 2002)

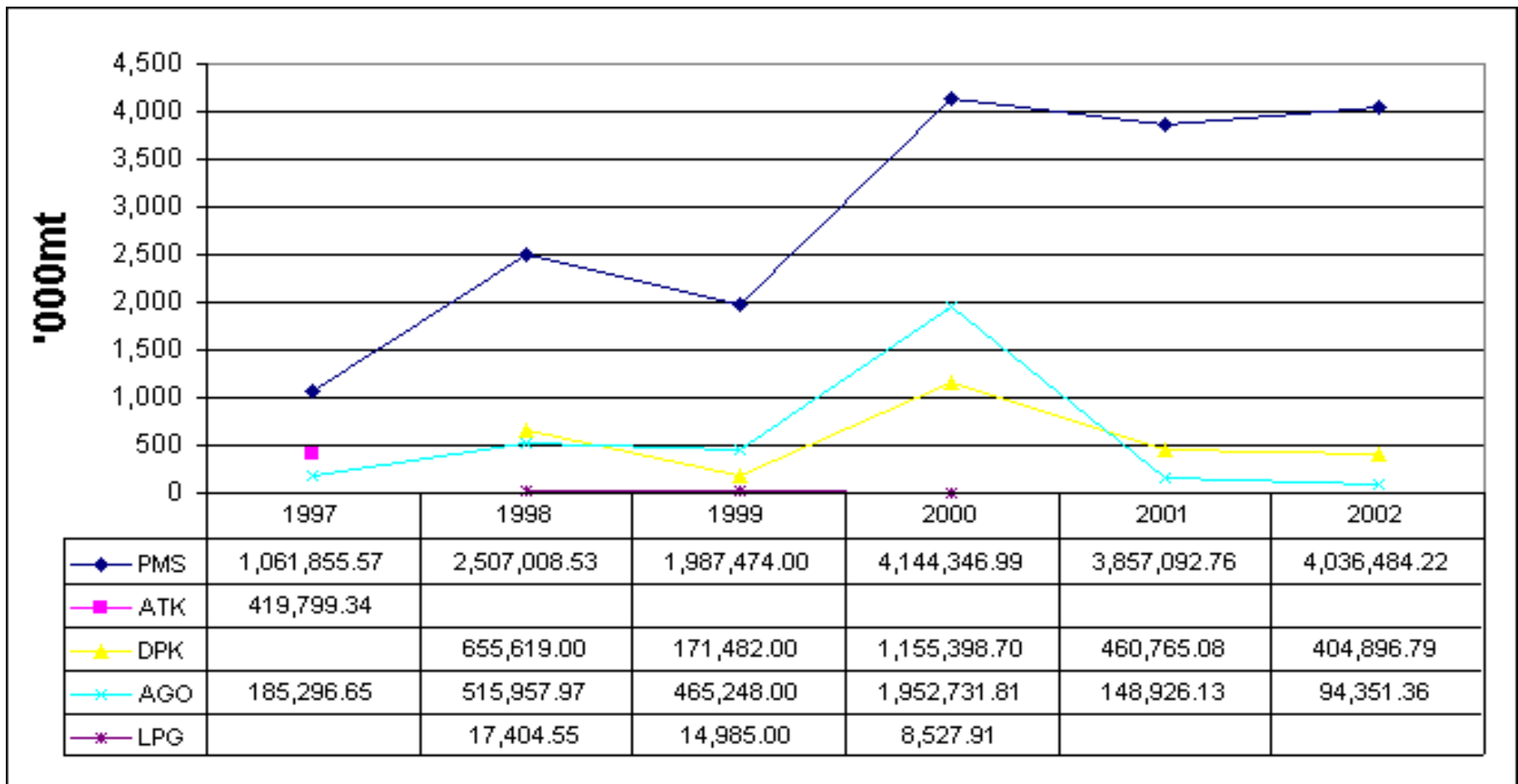


Table 34

Domestic Petroleum Products Sales January - December, 2002

('000Litres)

| <i>Months</i> | | | | | | | | | | | | | |
|-----------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|---------------------|----------------------|
| <i>Products</i> | <i>January</i> | <i>February</i> | <i>March</i> | <i>April</i> | <i>May</i> | <i>June</i> | <i>July</i> | <i>August</i> | <i>September</i> | <i>October</i> | <i>November</i> | <i>December</i> | <i>Total</i> |
| <i>PMS</i> | 679,303.08 | 651,301.14 | 729,288.48 | 737,236.71 | 756,451.93 | 674,017.75 | 684,625.85 | 859,390.87 | 623,001.97 | 803,778.15 | 718,036.60 | 663,918.02 | 8,580,350.54 |
| <i>DPK</i> | 135,755.66 | 148,787.08 | 134,934.94 | 128,981.04 | 149,335.87 | 134,644.54 | 170,279.72 | 169,528.93 | 143,560.41 | 163,182.08 | 176,204.69 | 160,706.28 | 1,815,901.23 |
| <i>ATK</i> | 25,114.11 | 27,322.13 | 24,542.79 | 11,297.28 | 41,247.88 | 16,755.74 | 40,320.72 | 34,004.54 | 18,749.68 | 30,346.36 | 33,937.80 | 39,083.41 | 342,722.42 |
| <i>AGO</i> | 232,803.57 | 229,330.10 | 244,180.24 | 245,526.34 | 217,773.85 | 199,660.13 | 248,151.20 | 214,436.07 | 195,915.63 | 243,276.92 | 229,645.93 | 295,402.66 | 2,796,102.65 |
| <i>LPFO</i> | 22,845.03 | 13,404.47 | 24,004.52 | 18,460.31 | 22,802.29 | 13,061.65 | 4,795.86 | 19,434.50 | 41,125.83 | 18,767.50 | 18,935.67 | 59,336.88 | 276,974.50 |
| <i>SRG</i> | 631.67 | 269.39 | 226.39 | 503.76 | 830.47 | 717.62 | 539.82 | 542.21 | 499.94 | 835.26 | 701.33 | 553.45 | 6,851.32 |
| <i>LPG</i> | 3,336.04 | 4,269.51 | 6,441.46 | 6,951.26 | 4,876.17 | 5,629.14 | | 210.00 | 5,553.24 | 5,510.12 | 3,733.68 | 6,421.85 | 52,932.46 |
| <i>U/LPG</i> | | | 75.00 | 145.00 | | | | | | | | | 220.00 |
| <i>LRS-1</i> | 47,115.94 | 48,904.01 | 44,673.24 | 45,056.81 | 41,390.85 | 34,823.48 | 35,093.52 | 24,236.72 | 19,784.03 | 9,900.41 | 11,323.11 | 32,326.45 | 394,628.56 |
| <i>NAPHTHA</i> | | | | | | | | | | | | | |
| <i>VGO</i> | | | | | | | 2,179.27 | 7,588.52 | 348.44 | 1,499.36 | | 632.63 | 12,248.21 |
| <i>SLOP</i> | | | | | | | | | | | | | |
| TOTAL | 1,146,905.09 | 1,123,587.82 | 1,208,367.04 | 1,194,158.51 | 1,234,806.52 | 1,079,310.05 | 1,185,985.95 | 1,329,372.36 | 1,048,603.97 | 1,277,193.36 | 1,192,518.81 | 1,258,446.42 | 14,279,255.89 |

Source: PPMC

Fig 18:

Petroleum Products Sales (1997 -2002)

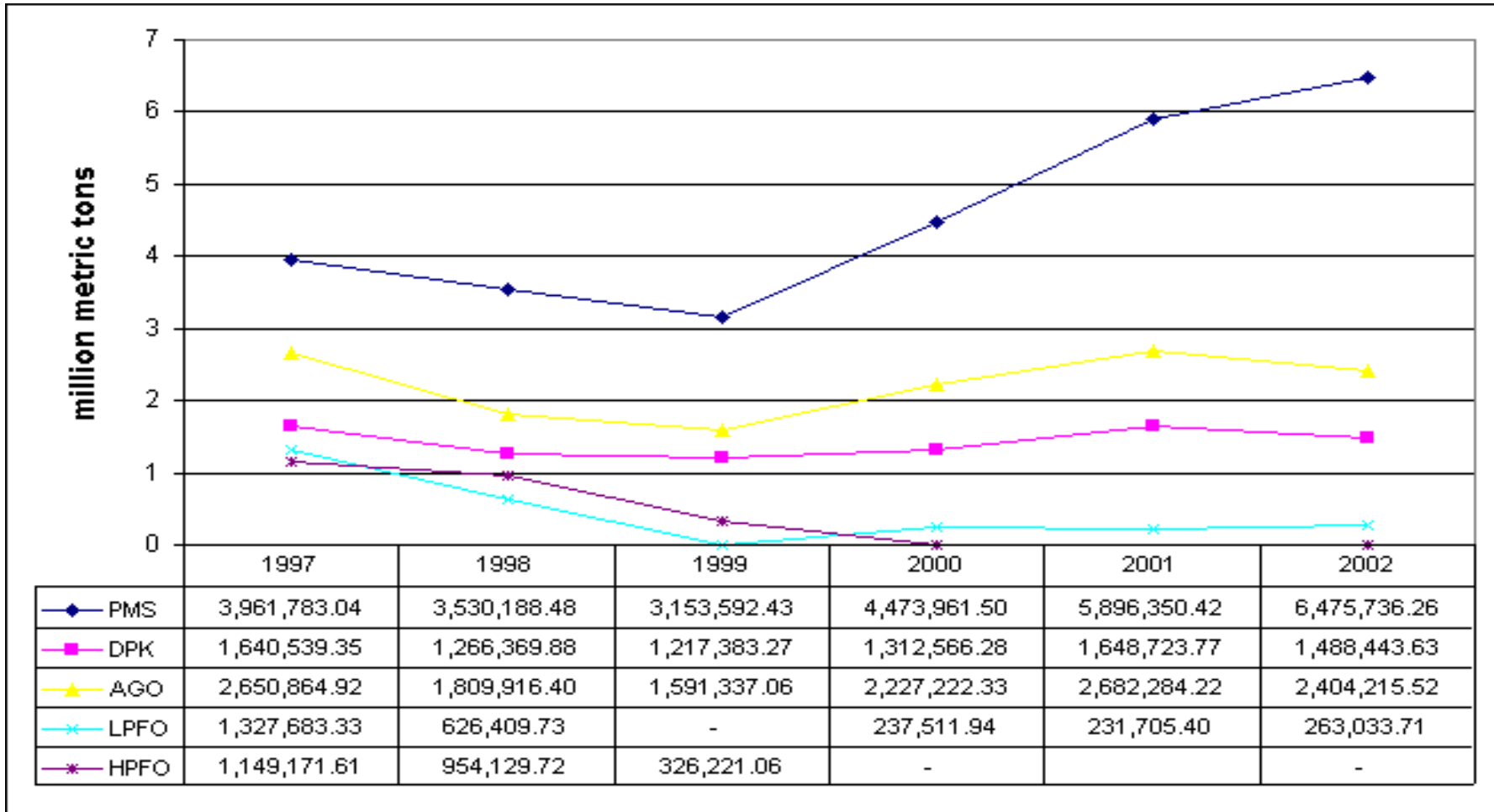


Table 35

Petroleum Products Retail Price Trend

| Products | Price/Unit | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 | 1998 | 1999 | 2000 | 2001 | 2002 |
|----------------------|-------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|--------|-------|-------|-------|
| LPG | Naira/Tonne | 800 | 2,000 | 2,000 | 2,000 | 4,000 | 4,000 | 4,000 | 4,000 | 35,100 | 26,050 | | | |
| PMS | Naira/Litre | 0.60 | 0.70 | 0.70 | 3.25 | 11.00 | 11.00 | 11.00 | 11.00 | 11.00 | 20.00 | 22.00 | 22.00 | 26.00 |
| HHK | | 0.40 | 0.50 | 0.50 | 2.75 | 6.00 | 6.00 | 6.00 | 6.00 | 6.00 | 17.00 | 17.00 | 17.00 | 24.00 |
| ATK | " | 1.14 | 1.05 | 1.05 | 5.50 | 8.00 | 8.00 | 8.00 | 8.00 | 8.00 | 19.00 | 25.00 | 25.00 | 26.00 |
| AGO | " | 0.50 | 0.55 | 0.55 | 3.00 | 9.00 | 9.00 | 9.00 | 9.00 | 9.00 | 19.00 | 21.00 | 21.00 | 21.00 |
| Fuel Oil | " | 0.40 | 0.55 | 0.61 | 2.50 | 7.00 | 7.00 | 7.00 | 7.00 | 7.00 | 12.40 | 12.40 | 12.40 | 12.40 |
| Petroleum Wax | Naira/MT | 4,900 | 4,900 | 4,900 | 12,000 | 12,000 | 36,000 | 36,000 | 36,000 | 36,000 | 36,000 | | | |
| Bitumen 60/70 | " | 450 | 450 | 450 | 1,600 | 1,600 | 1,600 | 12,000 | 12,000 | 12,000 | 12,000 | | | |
| Bitumen 80/100 | " | 450 | 450 | 450 | 1,600 | 1,600 | 1,600 | 12,000 | 12,000 | 12,000 | 12,000 | | | |
| Bitumen MCO/MC1/S125 | " | 820 | 820 | 820 | 3,000 | 3,000 | 3,000 | 12,335 | 12,335 | 12,335 | 12,335 | | | |
| Base Oil 100/150N | " | 8,331 | 8,331 | 8,331 | 8,331 | 8,331 | 16,662 | 16,662 | 16,662 | 16,662 | 16,662 | | | |
| Base Oil 250N | " | 8,649.06 | 8,649.06 | 8,649.06 | 8,649.06 | 8,649.06 | 17,298.2 | 17,298.2 | 17,298.2 | 17,298.2 | 17,298 | | | |
| Base Oil 500N | " | 8,880.30 | 8,880.30 | 8,880.30 | 8,880.30 | 8,880.30 | 17,760.6 | 17,760.6 | 17,760.6 | 17,760.6 | 17,761 | | | |
| Bright Stock (BS) | " | 9,639 | 9,639 | 9,639 | 9,639 | 9,639 | 19,278 | 19,278 | 19,278 | 19,278 | 19,278 | | | |

Note

1. From the 5th of March, 1991, these prices of ATK, Bitumen/Asphalt and the various brands of base oil changed from 1990 levels.
2. On November 8, 1993 prices of petroleum products were increased from their 1992 levels as follows: PMS ₦5.00 per litre HHK ₦4.50, AGO ₦4.75 and Fuel oil ₦4.00. These prices were adjusted downwards on November 18, 1993 to the prices on the Table.
3. On October 1, 1994 the prices per litre of some products were increased; PMS ₦15.00 HHK ₦12.00, AGO ₦14.00 and Fuel Oil ₦10.00. On October 4, 1994, these prices were reduced to the figures on the Table.
4. On December 10, 1998 the prices of petroleum products were increased; PMS ₦25, HHK ₦23, ATK, AGO ₦23.
5. From January 6, 1999, the prices of products were reduced from 1998 levels to the prices on the table.
6. On June 1, 2000, the prices of PMS, DPK & AGO were increased to ₦30, ₦29 & ₦27 respectively and revised down to prices shown on the table effective June 13, 2000.
7. The prices of the three main petroleum products were increased on January 1, 2002 as follows: PMS ₦26.00, HHK ₦24.00 and AGO ₦26.00

Source: PPMC

GLOSSARY OF TERMS

| | | | |
|----------------|-------------------------------------------|------------|------------------------------------------------------------------|
| AGO | Automotive Gas Oil | NAOC | Nigerian Agip Oil Company |
| API | American Petroleum Institute | NEPA | National Electric Power Authority |
| ATK | Aviation Turbine Kerosene | NGC | Nigerian Gas Company |
| AENR | Agip Energy and Natural Resources | NGL | Natural Gas Liquids |
| b/d | Barrels/Day | NNPC | Nigerian National Petroleum Corporation |
| Bscf | Billion Standard Cubic Feet | NPDC | Nigerian Petroleum Development Company (A Subsidiary Of NNPC) |
| C ₃ | Propane | Oml | Oil Mining Lease |
| C ₄ | Butane | Opl | Oil Prospecting Licence |
| CO | Company | Petrochem. | Petrochemical Products |
| DPK | Dual Purpose Kerosene | Pet. Jelly | Petroleum Jelly |
| EPCL | Eleme Petrochemical Company Limited | PHRC | Port Harcourt Refining Company |
| HHK | House Hold Kerosene | PMS | Premium Motor Spirit |
| HPFO | High Pour Fuel Oil | PPMC | Pipelines and Products Marketing Company Limited |
| JVC | Joint Venture Company | PSC | Production Sharing Contract |
| KRPC | Kaduna Refining and Petrochemical Company | PZ | Paterson Zochonis |
| LPFO | Low Pour Fuel Oil | QTY | Quantity |
| LRS | Long Residues | nR/Fuel | Refinery Fuel |
| LPG | Liquefied Petroleum Gas | W/O | Work Over |
| Ltd | Limited | WRPC | Warri Refining and Petrochemical Company |
| M ³ | Cubic Metres | ('000bbls) | Thousand Barrels |
| Mbbls | Million Barrels | ('000mt) | Thousand Metric Tons |
| mmscf | Million standard Cubic Feet | MD | Measured Depth |
| N/A | Not Available | TVD | True Vertical Depth |
| NAFCON | National Fertilizer Company of Nigeria | SCF | Standard Cubic Feet |
| PPU | Power Plant Unit | HOG | High Octane Gasoline |
| | | BTU | British Thermal Unit |

JVC

AGIP

SPDC

CHEVRON

EXXON / MOBIL

ELF

TEXACO

OTHERS:

PSC OPERATED BY JVCs

NAE

SNEPCO

CHEVRON DEEPWATER

ESSO

ELF PSC

TEXACO DEEPWATER

CONOCO

STAT OIL

PETROBRAS

ADDAX