

Oil & natural gas extraction data

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Climate Mitigation Services
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Nigerian National Petroleum Co., Nigeria

www.nnpcgroup.com Lagos

yellow column indicates original reported units
100% State-owned enterprise

Production / Extraction data

Year	Crude Oil & NGL			Natural Gas			Gas disposition		
	Gross production	Gross production	Net production NNPC	Net production	Gross production	Net production NNPC	Gas production	Gas utilization	Gas flaring
	Thousand bbl /d	Million bbl /yr	Million bbl /yr	Million cf/d	Trillion cf/yr	Billion cf/yr	Bcf	Bcf	Bcf

NNPC 100% SOE



NIGERIAN NATIONAL PETROLEUM CORPORATION



OGJ NNPC of Nigeria, 1987-2010
94.2%

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- 2018

Year	Nigeria		%	Nigeria		%	Nigeria		%
	Million bbl /yr	Nigerian NPC		gross gas prod'n	net gas prod'n		gross gas prod'n	net gas prod'n	
1960	4	0	10%	na	5	10%	na	0	10%
1961	7	1	10%	na	14	10%	na	1	10%
1962	17	2	10%	na	18	10%	na	2	10%
1963	25	3	10%	interpolated	10	10%	na	1	10%
1964	28	4	10%	na	2	10%	na	0	10%
1965	44	10	10%	na	4	10%	na	0	10%
1966	99	10	10%	na	6	10%	na	1	10%
1967	152	15	10%	na	5	10%	na	1	10%
1968	117	12	10%	na	5	10%	na	1	10%
1969	52	5	10%	52	5	10%	52	5	10%
1970	197	20	10%	146	2	10%	286	4	10%
1971	1,083	395	40%	447	7	25%	605	9	25%
1972	1,531	559	36%	736	14	25%	1,018	13	25%
1973	1,816	663	37%	1,018	13	25%	1,018	13	25%
1974	2,054	750	36%	1,018	13	25%	1,018	13	25%
1975	2,255	823	37%	1,018	13	25%	1,018	13	25%
1976	1,783	651	37%	1,018	13	25%	1,018	13	25%
1977	2,067	754	37%	1,018	13	25%	1,018	13	25%
1978	2,085	761	37%	1,018	13	25%	1,018	13	25%
1979	1,897	692	37%	1,018	13	25%	1,018	13	25%
1980	2,302	840	37%	1,018	13	25%	1,018	13	25%
1981	2,055	750	37%	1,018	13	25%	1,018	13	25%
1982	1,433	523	37%	1,018	13	25%	1,018	13	25%
1983	1,295	473	37%	1,018	13	25%	1,018	13	25%
1984	1,241	453	37%	1,018	13	25%	1,018	13	25%
1985	1,388	507	37%	1,018	13	25%	1,018	13	25%
1986	1,495	546	37%	1,018	13	25%	1,018	13	25%
1987	1,467	535	37%	1,018	13	25%	1,018	13	25%
1988	1,341	489	37%	1,018	13	25%	1,018	13	25%
1989	1,450	529	37%	1,018	13	25%	1,018	13	25%
1990	1,716	626	37%	1,018	13	25%	1,018	13	25%
1991	1,810	661	37%	1,018	13	25%	1,018	13	25%
1992	1,892	691	37%	1,018	13	25%	1,018	13	25%
1993	1,943	709	37%	1,018	13	25%	1,018	13	25%
1994	1,960	715	37%	1,018	13	25%	1,018	13	25%
1995	1,931	705	37%	1,018	13	25%	1,018	13	25%
1996	1,993	727	37%	1,018	13	25%	1,018	13	25%
1997	2,001	730	37%	1,018	13	25%	1,018	13	25%
1998	2,133	778	37%	1,018	13	25%	1,018	13	25%
1999	2,153	786	37%	1,018	13	25%	1,018	13	25%
2000	2,130	777	37%	1,018	13	25%	1,018	13	25%
2001	2,165	790	37%	1,018	13	25%	1,018	13	25%
2002	2,256	823	37%	1,018	13	25%	1,018	13	25%
2003	2,118	773	37%	1,018	13	25%	1,018	13	25%
2004	2,275	830	37%	1,018	13	25%	1,018	13	25%
2005	2,329	850	37%	1,018	13	25%	1,018	13	25%
2006	2,627	959	37%	1,018	13	25%	1,018	13	25%
2007	2,440	891	37%	1,018	13	25%	1,018	13	25%
2008	2,350	858	37%	1,018	13	25%	1,018	13	25%
2009	2,165	790	37%	1,018	13	25%	1,018	13	25%
2010	2,208	806	37%	1,018	13	25%	1,018	13	25%
2011	2,458	897	37%	1,018	13	25%	1,018	13	25%
2012	2,524	921	37%	1,018	13	25%	1,018	13	25%
2013	2,507	915	37%	1,018	13	25%	1,018	13	25%
2014	2,357	860	37%	1,018	13	25%	1,018	13	25%
2015	2,402	877	37%	1,018	13	25%	1,018	13	25%
2016	2,231	814	37%	1,018	13	25%	1,018	13	25%
2017	1,934	706	37%	1,018	13	25%	1,018	13	25%
2018	2,011	734	37%	1,018	13	25%	1,018	13	25%
2018	2,055	750	37%	1,018	13	25%	1,018	13	25%

BP Stat Rev 2018		BP Stat Rev 2018	
Crude oil & NGL		Natural Gas	
thousand bpd	Mb	Bcf/d	Bcf
274	100		
418	152		
319	116		
141	52		
540	197		
1,083	395	0.01	3.7
1,531	559	0.02	6.9
1,816	663	0.03	9.2
2,054	750	0.04	14.2
2,255	823	0.04	13.2
1,783	651	0.03	11.8
2,067	754	0.06	21.9
2,085	761	0.08	29.0
1,897	692	0.10	35.1
2,302	840	0.13	46.2

OGJ data		This study % OGJ	OGJ data	
Million bbl /yr	Percent		Bcf/yr	
507	62.6%	126		
610	61.6%	135		
659	60.2%	134		
682	60.8%	116		
694	61.3%	166		
692	62.0%	166		
687	61.5%	161		
689	63.4%	151		
784	55.9%	142		
835	55.9%	142		
778	60.6%	135		
719	64.9%	123		
744	63.7%	124		
767	64.5%	124		
694	66.9%	362		
767	65.0%	315		
855	59.6%	529		
878	65.5%	814		
810	65.9%	849		
791	65.1%	860		
712	66.6%	957		
661	73.2%	1,071		
666	80.8%	840		
795	69.6%	920		
764	71.9%	840		
697	74.0%	840		
693	73.9%	1,548		
663	73.8%	1,594		
521	81.3%	1,503		
561	78.6%	1,605		

Total	na	19,018	na	19,610
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NigerianNPC

Alternate production estimate for 2008					Significant joint ventures with NNPC, 2008			
2008	Thousand bbl/d	Million bbl/yr	Million cf/d	Bcf/yr	NNPC	JV partners	Thousand bbl/d	Million bbl/yr
	862	915	1,842	672	60%	ExxonMobil 40%	512	187
					60%	Chevron 40%	347	127
					60%	Total SA 40%	207	76
					60%	Agip 20%, Chevron 20%	139	51
					60%	PanOcean 40%	27	10
					55%	Shell 30%, Total 10%, Agip 5%	354	129
						NNPC / JV prod	1,586	579
						Total Nigerian	2,165	790
						% of total Nigeria		73.2%

Source: Hults, & Thurber, 2012, Introduction, Table 1.1, page 24, in Victor et al, eds, 2012, Oil and Governance. Table 1.1 is based on information from Wood Mackenzie's Pathfinder Database; www.woodmacresearch.com

US Energy Information Administration, International Energy Statistics									
www.eia.gov/emeu/international/energy.html									
Nigeria		Nigeria		Nigeria		Nigeria		Nigeria	
Crude oil, condensate, & NGLP	Updated June 2019	Crude oil, condensate, & NGLP	Updated June 2019	Prod Marketed Gas	Dry natural gas	Vented & Flared	gross	Reinjected	Gross Prod'n
k bbl per day	million bbl per yr	% of Nigeria attributed NNPC	% of Nigeria attributed NNPC	Bcf per year	Bcf per year	Bcf per year	%	Bcf per year	Bcf per year
1980	2,055	750	60.0%	NA	38	829	-	NA	978
1981	1,433	523	60.0%	NA	76	507	-	NA	1,052
1982	1,295	473	60.0%	NA	50	453	-	NA	1,155
1983	1,241	453	60.0%	NA	81	442	-	NA	1,234
1984	1,388	507	60.0%	NA	97	465	-	NA	1,388
1985	1,495	546	60.0%	NA	108	460	-	NA	1,499
1986	1,467	535	60.0%	NA	116	445	-	NA	1,467
1987	1,341	489	60.0%	NA	131	417	-	NA	1,353
1988	1,450	529	60.0%	NA	133	433	-	NA	1,391
1989	1,716	626	60.0%	NA	166	614	-	NA	1,776
1990	1,810	661	60.0%	157	131	744	76%	76	978
1991	1,892	691	60.0%	168	168	800	76%	85	1,052
1992	1,943	709	60.0%	173	173	879	76%	102	1,155
1993	1,960	715	60.0%	178	178	910	77%	101	1,189
1994	1,931	705	60.0%	161	161	950	80%	78	1,189
1995	1,993	727	60.0%	183	183	926	75%	125	1,234
1996	2,001	730	60.0%	197	193	965	74%	139	1,301
1997	2,133	778	60.0%	228	207	798	70%	14	1,140
1998	2,153	786	60.0%	235	208	738	66%	148	1,121
1999	2,130	777	60.0%	277	245	666	61%	141	1,084
2000	2,165	790	60.0%	482	440	607	49%	141	1,084
2001	2,256	823	60.0%	586	526	678	49%	124	1,388
2002	2,118	773	60.0%	562	501	667	50%	117	1,346
2003	2,275	830	60.0%	784	717	653	42%	117	1,554
2004	2,329	850	60.0%	844	770	653	41%	106	1,603
2005	2,627	959	60.0%	862	791	812	39%	388	2,061
2006	2,440	891	60.0%	1,077	1,006	788	36%	318	2,182
2007	2,350	858	60.0%	1,275	1,148	788	33%	353	2,416
2008	2,165	790	60.0%	1,382	1,159	674	26%	509	2,565
2009	2,208	806	60.0%	918	912	509	28%	409	1,836
2010	2,458	897	60.0%	1,317	1,024	581	24%	493	2,392
2011	2,524	921	60.0%	1,432	1,459	504	17%	795	2,967
2012	2,507	915	60.0%	1,493	1,503	466	-	725	2,996
2013	2,357	860	60.0%	-	1,356	428	-	758	2,812
2014	2,402	877	60.0%	-	1,548	379	-	809	3,049
2015	2,231	814	60.0%	-	1,594	342	-	743	3,010
2016	1,934	706	60.0%	-	1,475	-	-	NA	NA
2017	2,011	734	60.0%	-	1,571	-	-	NA	NA
2018	2,055	750	60.0%	-	-	-	-	-	-

Updated June 2019
Crude oil, condensate, & NGLP

Updated June 2019
Updated June 2019
Updated June 2 (Updated June 2019)

BP Stat Rev Jun 19

1990-2011 totals	13,478	12,302	16,291	47%	4,981	34,984
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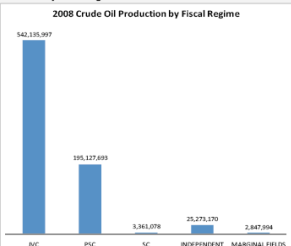
NNPC Table 5c (used in column E67-E76) above									
Crude Oil Production by Companies: 2001 - 2010 (barrels)									
COMPANY	2001	2002	2003	2004	2005	2006	2007	2009	2010
JOINT VENTURE COMPANIES (JV):									
SPDC	306,004,672	262,164,008	307,343,430	325,064,539	294,996,169	162,229,026	135,504,413	129,328,995	99,178,340
MOBIL	207,436,117	174,462,728	160,917,241	162,928,763	160,753,591	130,152,450	110,540,374	138,317,186	84,785,617
CHEVRON	160,436,945	129,507,127	126,049,095	121,649,267	118,309,867	127,202,420	39,669,689	113,259,326	78,608,408
TOTAL E & P	64,919,888	48,441,548	44,641,901	43,307,027	38,687,178	38,811,238	127,089,475	34,426,448	31,028,250
NAOC/PHLLPS	67,553,552	59,411,046	67,157,936	66,526,337	62,263,035	53,931,188	38,833,776	42,552,843	37,923,191
TEXACO	13,636,562	9,761,479	7,971,576	9,713,262	5,469,971	4,093,769	2,231,363	4,250,709	4,122,590
PAN-OCEAN	6,152,640	4,232,884	4,473,081	7,519,300	8,631,714	1,164,451	1,164,451	9,764,634	2,561,304
SUB TOTAL	815,341,676	687,980,920	719,153,258	722,797,515	689,111,525	518,184,570	462,888,989	471,900,351	331,554,144
JOINT VENTURE COMPANIES - AF:									
SPDC	-	-	26,768,881	43,071,675	42,439,486	3,418,766	-	6,096,195	29,746,886
MOBIL	-	-	38,686,336	43,106,427	49,081,781	91,516,781	71,116,205	28,873,600	78,845,529
CHEVRON	-	-	3,138,185	9,083,259	9,121,439	6,027,280	-	21,703,939	24,758,070
TOTAL E & P	-	-	6,436,445	32,656,414	40,909,893	40,250,115	40,536,587	36,420,384	26,851,634
NAOC/PHLLPS	-	-	-	-	-	-	-	-	-
TEXACO	-	-	-	-	-	-	-	-	-
PAN-OCEAN	-	-	-	-	-	-	-	-	-
SUB TOTAL	-	-	72,074,662	121,973,001	141,514,419	144,307,081	118,579,072	70,235,646	131,497,197
PROD. SHARING COMPANIES									
CHEVRON (STARDEEP)	-	-	-	-	-	-	-	14,966,049	74,520,908
ADDDX	8,859,322	11,500,555	13,363,454	14,596,666	23,813,968	31,600,666	38,140,656	39,591,166	36,288,676
ESSO EXP. & PRO. NIG LTD	-	-	-	-	-	48,165,582	74,384,085	71,942,086	60,162,116
NAE	-	-	3,355,610	9,802,801	11,330,731	9,166,198	6,122,815	6,606,494	10,264,220
SINPCO	-	-	-	-	1,566,520	73,700,012	73,673,750	62,021,686	58,661,970
SA PET/TOTAL UPSTREAM NIG	-	-	-	-	-	-	-	-	28,904,366
SUB TOTAL	8,859,322	11,500,555	16,718,964	24,399,567	36,711,219	162,532,458	192,621,306	195,127,693	268,792,256
SERVICE CONTRACT:									
AMNIR	5,311,401	4,244,744	3,483,966	3,886,392	4,317,081	4,013,954	3,932,714	3,361,078	3,237,284
SUB TOTAL	5,311,401	4,244,744	3,483,966	3,886,392	4,317,081	4,013,954	3,932,714	3,361,078	3,237,284
INDEPENDENTS/SOLE RISK:									
NPDC - OKONO	1,229	4,441,073	4,699,496	10,232,754	19,900,957	21,360,219	15,853,124	10,872,342	16,776,687
NPDC	2,161,849	2,073,352	2,120,288	2,809,278	2,026,562	333,700	-	1,464,438	2,092,321
NPDC/SEPLAT JV	-	-	-	-	-	-	-	-	-
CONSOLIDATED	1,115,623	837,488	784,799	775,030	726,530	643,639	430,480	491,615	459,331
EXPRESS PETROLEUM	7,735,646	5,574,724	4,214,779	1,562,412	2,916,248	905,741	314,778	298,932	152,684
AMNI	1,451,639	1,267,048	986,443	790,103	639,956	412,564	639,596	1,566,567	7,334,005
CA/ENDISH PETROLEUM	-	-	-	-	1,408,276	161,398	18,278	-	-
ATLAS	2,105,783	2,967,751	795,222	177,449	183,979	233,669	520,806	388,117	191,831
CONTINENTAL OIL	11,786,926	11,496,240	12,375,425	14,819,473	13,241,057	9,385,029	3,531,935	5,969,100	7,818,287
MONFILO	9,133,079	8,144,003	6,892,881	5,836,810	5,794,188	5,347,598	3,239,042	4,128,638	3,936,293
DUBRI	189,131	139,282	50,936	76,008	152,701	70,808	-	22,403	48,007
NAE/ALLED/CAMAC	-	-	-	-	-	-	-	-	480,164
SUB TOTAL	35,661,185	36,960,961	32,720,079	37,100,014	47,171,464	39,374,165	24,547,019	25,273,170	41,388,620
MARGINAL FIELDS									
NSGR DELTA PET. RES.	-	-	-	141,028	784,278	383,795	1,346,666	1,580,284	1,134,508
PLATFORM PETROLEUM	-	-	-	-	-	-	898,575	563,263	324,700
MDWESTERN OIL	-	-	-	-	-	-	467,811	1,171,891	1,165,129
WALTER SMITH	-	-	-	-	-	-	134,042	376,461	600,147
PILLAR OIL	-	-	-	-	-	-	-	158,445	73,286
ENERGIA LIMITED	-	-	-	-	-	-	-	26,095	279,286
BRIFANU	-	-	-	-	141,028	784,278	431,608	3,878,439	226,391
SUB TOTAL	-	-	-	-	-	-	-	-	3,903,447
GRAND TOTAL	865,173,584	740,687,180	844,150,929	910,156,489	819,966,736	869,196,506	803,000,708	768,745,932	780,347,940

Crude oil production NNPC ABS 2010		
Table Sa		
Year	bbl per yr	million bbl/yr
2001	865,173,583	865.17
2002	740,687,180	740.69
2003	844,150,929	844.15
2004	910,156,486	910.16
2005	918,660,619	918.66
2006	869,196,506	869.20
2007	803,000,708	803.00
2008	768,745,932	768.75
2009	780,347,940	780.35
2010	896,043,406	896.04



1.1.3a Crude Oil and Condensate Production

Total Crude Oil and Condensates produced during the year was 768,745,932 barrels with an average daily production of 2.10 MBD (table 4). When compared with 803,000,708 barrels (2.20 million barrels per day) of crude oil and condensates produced in 2007, there was a decrease of 34,254,776 barrels or 4.27%. Production by fiscal regime is indicated in the chart below.



Production by various companies shows that, Mobil had the highest production figure of 167,190,786 barrels with an average of 456,805.43 barrels per day. This accounts for 21.75% of the total production. Shell Petroleum Development Company (SPDC) came second with a production figure of 129,328,995 barrels or 353,357.91 barrels per day, which is 16.82% of the total production. Chevron came third with a production figure of 118,201,198 barrels, averaging 322,954.09 barrels per day or 15.38% of the total production.

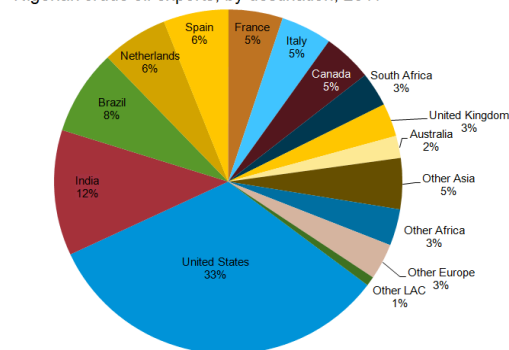
NPDC which is NNPC's upstream subsidiary engaged in Oil and Gas exploration and production activities produced 12,366,780 barrels. Table 1 shows total production figures by company, average daily production and percentage contribution (also see Table 3).

Table 1 CRUDE OIL PRODUCTION BY COMPANY

COMPANY	CRUDE OIL PRODUCTION (MMBBL)	DAILY AVERAGE (BARREL)	% OF TOTAL PRODUCTION
JOINT VENTURE COMPANIES:			
SPDC	129,328,995.00	353,357.91	16.82
MOBIL	167,190,786.00	456,805.43	21.75
CHEVRON	118,201,198.00	322,954.09	15.38
TOTAL E & P	70,849,832.00	193,570.58	9.22
NAOC/PHILLIPS	42,552,843.00	115,264.00	5.54
CHEVRONTEXACO	4,259,729.00	11,613.99	0.55
PAN-OCEAN	9,784,634.00	26,793.33	1.27
SUB-TOTAL	542,135,927.00	1,481,245.89	70.52
PROD. SHARING COMPANIES:			
STAR DEEP	1,689,049.00	4,600.84	0.19
KDDA	39,591,156.00	108,172.58	5.15
ESSO EXP. & PROD. NIG LTD	71,942,989.00	196,801.06	9.36
NAE	6,606,484.00	18,050.53	0.85
ENERPC	62,021,888.00	169,458.74	8.07
SA PETRO TOTAL UPSTREAM NIG.	0.00	0.00	0.00
SUB-TOTAL	195,127,693.00	533,130.77	25.38
SERVICE CONTRACT:			
NEEN	3,363,076.00	9,183.27	0.44
SUB-TOTAL	3,363,076.00	9,183.27	0.44
INDEPENDENT/SOLE RISK:			
NPDC	10,872,342.00	29,506.14	1.41
NPDC	1,494,438.00	4,083.19	0.19
CONSOLIDATED	22,403.00	61.21	0.00
EXPRESS PETROLEUM	491,815.00	1,343.21	0.06
AMNI	209,932.00	576.73	0.04
CAVENDISH PETROLEUM	1,099,587.00	2,983.58	0.21
TLAS	0.00	0.00	0.00
CONTINENTAL OIL	388,117.00	1,060.43	0.05
MON PULO	5,680,100.00	15,399.07	0.78
PLATINUM PETROLEUM	497,811.00	1,357.87	0.06
MIDWESTERN OIL	134,942.00	368.69	0.02
WALTER SMITH	2,847,904.00	7,711.43	0.37
GRAND TOTAL	768,745,932.00	2,100,368.72	100.00

Manager GMS-CPDD: Tel +234-9460-84101 email: adamu.mhya@nmpgroup.com "NNPC ASB 2008 - 1st Edition"

Nigerian crude oil exports, by destination, 2011



Note: "Other Asia" includes Indonesia, China, Taiwan, Singapore, Malaysia, Japan, and Thailand. "Other Africa" includes Cote d'Ivoire, Cameroon, Ghana, and Senegal. "Other Europe" includes Germany, Portugal, Ireland, Gibraltar, and Norway. "Other LAC" includes Peru, Bahamas, and Curacao. Source: Global Trade Atlas, APEX (Lloyd's), and U.S. Energy Information Administration

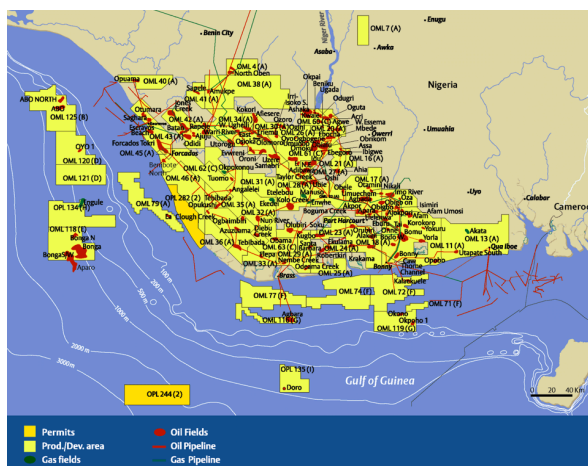
US EIA Country Studies: Nigeria

Nigerian National Petroleum Company (2009) Statistical Bulletin, pages 7 & 9.

Gas Production and Utilization by Company (mscf)

COMPANY	GAS PRODUCED	GAS UTILISED									
		GAS USED AS FUEL	GAS SOLD TO THIRD PARTIES	GAS SOLD TO NIG	GAS RE-INJECTED	FUEL GAS TO EPCL	GAS FOR LPG/NGAS	GAS FOR LNG	GAS LIFT	TOTAL GAS UTILISED	GAS FLARED
JVC	777,170,430.73	13,905,151.17	638,962,046.81	0.00	5,558,764.00	0.00	0.00	0.00	15,247,089.25	673,693,051.04	103,477,379.69
MOBIL	476,251,265.69	29,788,000.00	0.00	0.00	296,630,451.07	0.00	22,745,000.00	0.00	7,344,070.93	356,505,522.00	122,745,743.69
CHEVRON	194,327,349.00	5,744,085.31	23,486,854.00	21,182,685.00	0.00	0.00	3,121,822.00	0.00	22,482,863.00	76,018,339.31	118,300,009.69
TOTAL E&P	277,253,720.31	9,321,142.36	0.00	0.00	70,296,941.77	0.00	167,190,148.97	0.00	246,778,233.10	10,475,487.21	
NAOC	441,864,139.00	9,497,286.00	194,758,784.00	0.00	15,962,916.00	5,204,476.00	0.00	0.00	113,554,163.00	338,975,025.00	102,888,514.00
Chevron (Permining)	7,883,657.00	130,491.00	0.00	0.00	0.00	0.00	0.00	0.00	130,491.00	7,553,166.00	
PAN-OCEAN	6,982,809.00	1,286,176.00	0.00	0.00	0.00	0.00	0.00	0.00	1,286,176.00	6,796,633.00	
SUB-TOTAL	2,185,833,370.76	89,870,331.84	857,225,684.81	21,182,685.00	388,419,072.84	5,204,476.00	25,886,822.00	167,190,148.97	158,628,216.18	1,693,387,437.48	492,245,932.35
PRODUCTION SHARING CONTRACT											
ADDAX	84,889,027.03	2,337,225.00	0.00	0.00	7,302,537.00	0.00	0.00	0.00	10,428,789.00	20,988,561.00	84,020,466.00
ESSO	104,960,024.83	22,036.15	0.00	0.00	97,568,216.30	0.00	0.00	0.00	97,610,252.45	7,379,772.35	
SUB-TOTAL	189,879,051.86	2,359,271.15	0.00	0.00	104,896,753.30	0.00	0.00	0.00	104,428,789.00	117,678,813.45	72,300,238.35
SERVICE CONTRACT											
AENR	6,713,476.00	182,142.74	0.00	0.00	0.00	0.00	0.00	0.00	182,142.74	6,531,333.26	
SUB-TOTAL	6,713,476.00	182,142.74	-	-	-	-	-	-	182,142.74	6,531,333.26	
SOLE RISK/INDEPENDENTS:											
NPDC	10,513,000.00	22,151.01	0.00	0.00	0.00	0.00	0.00	0.00	22,151.01	10,490,848.99	
SUB-TOTAL	10,513,000.00	22,151.01	-	-	-	-	-	-	22,151.01	10,490,848.99	
GRAND-TOTAL	2,392,838,888.56	72,333,896.74	857,225,684.81	21,182,685.00	493,309,826.14	5,204,476.00	25,886,822.00	167,190,148.97	169,057,005.18	1,811,270,544.68	591,568,353.85

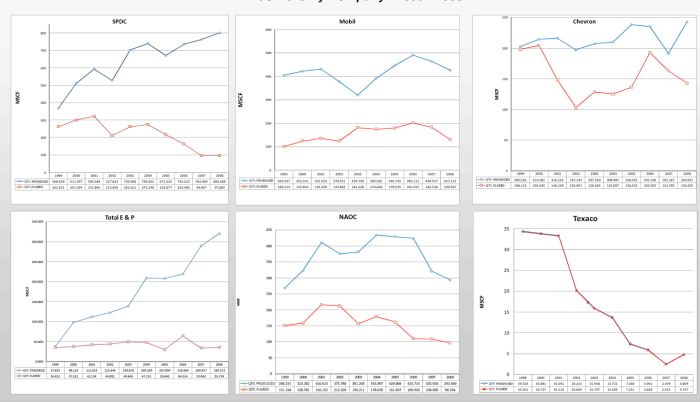
NOTE: (i) This does not include indigenous and production sharing companies.



Nigerian National Petroleum Company (2010) Statistical Bulletin, Table 11, pdf page 36.

	Gas produced Bcf	Gas Utilized Bcf	Gas re-injected Bcf	Gas Flared Bcf	Flared % of total
2000	1,695	851		844	50%
2001	1,823	902		921	51%
2002	1,862	1,108	270	754	40%
2003	1,830	985	187	845	46%
2004	2,082	1,196	333	887	43%
2005	2,094	1,282	398	811	39%
2006	2,182	1,379	334	804	37%
2007	2,410	1,651	355	760	32%
2008	2,282	1,663	391	619	27%
2009	1,837	1,328	410	509	28%
2010	2,393	1,811	21	582	24%

Gas Flare By Company : 1999 - 2008



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Note 100 percent of Texaco's gas prod'n is flared.

Cell: J9**Comment:** Rick Heede:

Nigerian National Petroleum Corporation was created in 1977, with the merger of its predecessor, the Nigerian National Oil Corporation (NNOC) and the Nigerian Ministry of Mines and Power. Nigeria received its independence from the United Kingdom in October 1960. A joint venture between Royal Dutch Shell and British Petroleum received a concession that covered all of Nigeria in 1938, although Shell-BP did not discover commercial oil until 1956 at Oloibiri in the Niger Delta; exports began in 1958. Other international oil companies followed. The first offshore discovery was made in 1963 (Chevron's Texaco and Gulf units). Significant discoveries were made in the 1960s and 1970s. Nigeria's sweet crude assured an international market. Natural gas development was delayed, and associated gas was either vented or flared; flaring continues (Nigeria is the world's second largest source of flared gas), but has declined from 76 percent to 24 percent of gross natural gas production; see tables below.

See also: Nwokeji, G. Ugo (2007) *The Nigerian National Petroleum Corporation and the Development of the Nigerian Oil and Gas Industry: History, Strategies, and Current Directions*, Case Study Series: The Changing Role of National Oil Companies in International Energy Markets, Baker Institute for Public Policy, March, 137 pp.

Soares de Oliveira, Ricardo (2006) *Strategic Resources, International Politics, and Domestic Governance in the Gulf of Guinea*, Sidney Sussex College, Cambridge, UK, 13 pp.

Cell: P9**Comment:** Rick Heede:

World Bank, 2008b, page 719: "NNPC is a public company entrusted with the management of "all government interests in the Nigerian oil industry". Shares Controlled by Government: 100%"

World Bank (2008b) *A Citizen's Guide to National Oil Companies*, Part B: Data Directory, World Bank, Washington, & Center for Energy Economics, Bureau of Economic Geology Jackson School of Geosciences University of Texas, Austin, 764 pp.

Cell: N11**Comment:** Rick Heede:

U.S. Bureau of Mines, *Minerals Yearbook 1970*, page 764, gross and marketed production 1968-1970.

Cell: F12**Comment:** Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Where data is available, we list net production (after royalty production is deducted). We rely on company annual reports, Form 10-k, or other company data where available. In some cases -- particularly for state-owned oil and gas companies -- we use production data from the Oil & Gas Journal in its OJG150 and OJG100.

Crude production includes natural gas liquids (NGL) unless noted.

Cell: J12**Comment:** Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil. Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide"). "SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day.

Cell: F23**Comment:** Rick Heede:

We do not have comprehensive data on oil production owned by Nigerian NPC under concessionary or joint venture agreements with multi-national oil and gas companies (such as Esso, Exxon, Mobil, Texaco, Elf, Phillips, Chevron, Continental, etc.). Until such data is available for each year it is assumed that Nigerian NPC own production plus royalty production is 60 percent of the total oil produced in Nigeria 1959-2010 (which is equal to Chevron's joint-venture agreement of 40 percent, with NNPC having a 60 percent interest; Chevron AnnRpt 2010, page 21).

The crude oil interest belonging to Nigerian NPC varies by contract, company, and year, and thus figure is likely to be revised once better data becomes available.

We use a 60 percent interest in Nigerian production to NNPC.

This is corroborated by data from Ariwenokuma (2009), shown in Table 16.1 in Thurber et al (2012, p. 711), which shows eight joint venture contract production splits. These JVs produced 1,586 thousand bbl per day in 2008 (Nigerian total of 2,165 thousand b/d [EIA], or 73.3 percent of Nigerian production). In five of the six JVs NNPC's share was 60 percent; in the last NNPC held a 55 percent share.

Further corroboration is from Chevron, which reports total company production in Nigeria of 524,000 bbl per day, and net production in of 237,000 bbl per day (citing NNPC 60 percent JV share of production). Note: 237 kpd is 45.2 percent of 524 kbpd; the reason for this discrepancy is not clear, although Chevron was likely the operator. Chevron Ann Rpt, 2010, page 23.

See cell note at H24 for additional details.

Thurber, Mark C., Ifeyinwa M. Emelife, & Patrick R. P. Heller (2012) "NNPC and Nigeria's oil patronage ecosystem," in Victor et al, eds, *Oil and Governance*, pp. 655-700.

Ariwenokuma, Soala (2009) *The Political Economy of Oil and Gas in Africa: The Case of Nigeria*, Routledge, 384 pp.

Cell: J24**Comment:** Rick Heede:

CMS attributes 93.3 percent of total Nigerian gas production to NNPC for 1980-1986. Actual production estimates by Oil & Gas Journal OJG100 are used for 1987-2010.

Cell: G25**Comment:** Rick Heede:

A 60 percent interest in total Nigerian oil production is used in lieu of comprehensive interest shares by NNPC and the multinational joint-venture partners operating in Nigeria 1959-2010. See comment in cell "E23" for details.

However, Nigeria has increased its stake since the early days of oil production. We do not have percentages for the early years, and we assume a 10 percent share of national production from the beginning (in 1959) to 1970, when Nigeria became a member of OPEC (in 1971); we use a royalty rate of 25 percent from 1971 through June 1979; on 1 July 1979 the Nigerian government increased its participation to 60 percent. The details may differ from this broad percentage attribution, and may be revised if more specific information is available.

Thurber, Mark C., Ifeyinwa M. Emelife, & Patrick R. P. Heller (2012) "NNPC and Nigeria's oil patronage ecosystem," in Victor et al, eds, *Oil and Governance*, pp. 655-700. See pages 708-711.

Cell: I30**Comment:** Rick Heede:

U.S. Bureau of Mines, *Minerals Yearbook 1968*, page 750, marketed production 1964-1969. Gross production not shown.

Cell: D34**Comment:** Rick Heede:

Energy Information Administration *International Energy Statistics*, World Production of Crude Oil, NGPL, and Other Liquids, 1980-2010.

Also Table 4.1c World Crude Oil Production (Including Lease Condensate), 1970-1979.

Cell: I36**Comment:** Rick Heede:

CAI cites BP Statistical Review data for total gas production in Nigeria for 1970-1979, EIA data

Cell: I37**Comment:** Rick Heede:

Nigerian NPC Statistical Abstract 2010, Table 5c (see below) shows total crude oil production 2001-2010. These are by all producers and do not represent the proportion attributable to NNPC through company liftings, joint ventures, or other working interest or royalty production.

This project applies the same percentage as discussed in cell note F23 and G24 in order to estimate NNPC's share of Nigerian production. The NNPC production is within 1 percent of the EIA estimate over the decade, though annual estimates vary by +/- 6 percent.

Cell: J54**Comment:** Rick Heede:

Oil & Gas Journal data 1988-2010.

Cell: M66**Comment:** Rick Heede:

There is significant divergence between the Energy Intelligence and OJG estimates of Nigeria National Petroleum Corporation in the two years of data overlap 2000 and 2001. EI's estimate is 1.312 million bbl per day = 479 million bbl per year in 2000, and 1.423 million bbl per day = 519 million bbl per year in 2001. OJG estimates are 744 and 767 million bbl for the same years.

Cell: F67**Comment:** Rick Heede:

NNPC (data for 2001 to 2010) does NOT report "working interest" or equity production (whether by royalty or production sharing agreements of joint ventures, etc), but rather total Nigerian oil production. We conclude this by comparing the sum of Nigerian production for 2001-2010 (using EIA International Energy Statistics, reproduced on page 2) to NNPC reported production.

Cell: E69**Comment:** Rick Heede:

In comparison, Oil & Gas Journal attributes 766.5 and 855.2 million bbl to NNPC in 2003 and 2004, respectively. This is 92 percent and 100.5 percent of total Nigerian production in 2003 and 2004, respectively.

NigerianNPC

Cell: F74

Comment: Rick Heede:

We see here that attributing 60 percent of NNPC's reported production in 2008 (461 million bbl) is substantially higher than Wood Mackenzie's "working interest" production (315 million bbl; see top of page 2). We cannot ascertain the true production attributable to NNPC without more complete reporting by NNPC.

Cell: M74

Comment: Rick Heede:

OGJ100 6 Sep 10 pg 69 shows NNPC "estimated" production in 2008

Cell: J75

Comment: Rick Heede:

OGJ100 6Sep10 pg 69 and OGJ 3 Oct 2011 pg 49; both "estimated"

Cell: F76

Comment: Rick Heede:

Oil & Gas Journal OGJ100, 30Oct2011, page 48 shows Nigerian National Petroleum Corporation producing 660.7 million bbl in 2009 and 666.1 million bbl in 2010 (estimated).

Cell: M76

Comment: Rick Heede:

OGJ 3 Oct 2011 pg 49, "estimated"

Cell: M80

Comment: Rick Heede:

Oil & Gas Journal, Sep 2016 and 2017, for crude oil and natural gas production.

Cell: M83

Comment: Rick Heede:

Oil & Gas Journal OGJ100, September 2018, page 42. Nigerian NPC is attributed 560.5 Mb and 1,604.5 Bcf in 2017.

Cell: F92

Comment: Rick Heede:

Nigerian NPC Statistical Bulletin 2010, Table 12a, total production, disposition, and flaring 2002 - 2010.

Cell: J92

Comment: Rick Heede:

Nigerian NPC "working interest natural gas production in 2008" at 1,842 thousand cf per day.

Victor, Hults, & Thurber, 2012, Introduction, Table 1.1, page 24, in Victor et al, eds, 2012, Oil and Governance. Table 1.1 is based on information from Wood Mackenzie's Pathfinder Database; www.woodmacresearch.com

Cell: F100

Comment: Rick Heede:

Chevron reports production of 524,000 bbl per day "under a joint-venture arrangement with the Nigerian National Petroleum Corporation (NNPC), which owns a 60 percent interest" and net to Chevron of 237,000 bbl per day. Chevron AnnRpt, page 23.

Note: 237 of 524 is 45.2 percent, not 40 percent, and the reason for this discrepancy is not clear.

Cell: P100

Comment: Rick Heede:

Original source: Ariweriokuma, Soala (2009) The Political Economy of Oil and Gas in Africa: The Case of Nigeria, Routledge, 384 pp.

Reproduced as Table 16.1 in: Thurber, Mark C., Ifeyinwa M. Emelife, & Patrick R. P. Heller (2012) "NNPC and Nigeria's oil patronage ecosystem," in Victor et al, eds, Oil and Governance, pp. 655-700, at page 711.

Cell: X180

Comment: Rick Heede:

NNPC AR 2010 pdf pg 47

Cell: U192

Comment: Rick Heede:

Nigerian NPC Statistical Bulletin 2010, Table 11. Total 2,392 Bcf produced, 72 Bcf used as fuel, 857 Bcf sold to third parties, 21 Bcf sold to NGC, 493 Bcf re-injected, 5 Bcf sold to EPCL, 26 Bcf used for LPG/NGL AS, 167 Bcf for LNG, 169 Bcf for gas lift; 1,811 Bcf utilized (75.7 percent); 582 Bcf flared.