



**Department of Petroleum Resources**

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### 1. REMARKS FROM DIRECTOR OF PETROLEUM RESOURCES

Globally, energy discourses in many fora have centred on energy security, sustainability, climate change and impact of global oil markets on developing countries: producers and consumers alike. Recently, the Federal Government of Nigeria reiterated its commitment to resolving its energy challenges and harnessing the potentials toward energy prosperity for her citizenry. This is to ensure that Nigeria remains a competitive supplier of energy as it strives to deepen its energy utilization and domestication to facilitate economic diversification to other sectors.

This year's Nigeria Annual Oil and Gas Industry Report (NOGIAR) contains expository data detailing the activities across the oil and gas value chain in the period under review. The upstream industry performance is seen to be steady with marginal improvement. The aggregate hydrocarbon reserves are about 37 billion barrels of oil and condensate while 199 trillion cubic feet for gas reserves. This is an increase of about 0.08% and 0.85% year-on-year (y-o-y) respectively. Contractual arrangements account for about 23% of the nation's hydrocarbon reserves, while Joint Venture (JV) arrangements account for approximately 62% of the aggregate concessionary reserves. Interestingly, 45% of Nigeria's aggregate reserves resides in the offshore terrain while about 26% are on land. Swampy terrain accounts for the remaining 29%.

In the period under review, production capacity marginally increased by 3% (y-o-y) to an average 754 million barrels of oil in 2018. In the last 5 years, contractual arrangements production capacity has steadily increased, averaging 3% growth, to account for about 35% of total production. JV arrangements contributed about 52% of aggregate production in the preceding year. This is an average 3.5% decline over the last 5 years. Non-International Oil Companies' production capacity accounts for about one-eighth of aggregate production. This is an 8.6% and 1.9% asset growth in the last 5 years for Independent and Marginal field producers, respectively. The depletion and reserves replacement rate y-o-y averaged 2.04% and 4.00% respectively. Currently, the reserves life index stands at about 49 years.

Gas reserves has been on the incline from 2013 and is projected to continue to grow at a conservative rate of about 1.0%. In the review period, gas development picked up to six (6) NAG development plans from 2 NAG development plans in 2017. This is attributable to growing commitments to gas projects. The Domestic Supply Obligation (DSO) performance was about 48.0%. The national gas capacity performance for 2018 was about 80.0% with an average of 1.3 BSCF/D gas delivery to the domestic market.

Overall, gas utilization in the country for 2018 shows the export market accounting for 41%, field/plant use accounts for 31%, domestic market is about 17% and flare gas is about 11%. The zero routine gas flaring target in 2020 is vigorously being pursued by the Department. The impact of regulatory instruments such as Flare Gas (Prevention of Waste and Pollution) Regulations 2018 would undoubtedly facilitate the attainment of the zero flare elimination target and improve gas utilization in the coming years. The Department continues to drive the on-going implementation of the Nigerian Gas Transportation Network Code (NGTNC). The review of the Network Code licensing framework and development of all its ancillary agreements have been firmed preparatory to formal launch in 2019.

Gas utilization is being deepened by increasing liquefied petroleum gas (LPG) penetration. LPG consumption increased by about 16.0% year on year. A total of 364 LPG plant licenses and approvals were issued in 2018. This is expected to give about 15.0% rise in the nation's LPG consumption based on storage capacity. Safety and environmental compliance performance in the review year shows a declining path. Incidents and fatal accidents are mainly due to petroleum tanker truck accident and gas plant explosions.

In conclusion, this annual report is put together to acquaint our stakeholders with relevant reliable data on the 2018 operations of the Nigerian oil and gas industry, with a little more focus on the near virgin but attractive midstream sector. The data in the NOGIAR report would aid investors in making informed decisions on the Nigeria oil and gas industry investment opportunities. It would also provide researchers, academia and planners with updated knowledge and information on the developments in the industry. The Department would continue in its transparency commitment in providing reliable and high-quality data to the public. It is our hope that this edition would enrich policies, plans and studies on the industry thereby facilitating value creation and addition to all stakeholders.

A. R. Shakur

## 2. REGULATORY STRUCTURE OF THE NIGERIAN OIL AND GAS INDUSTRY

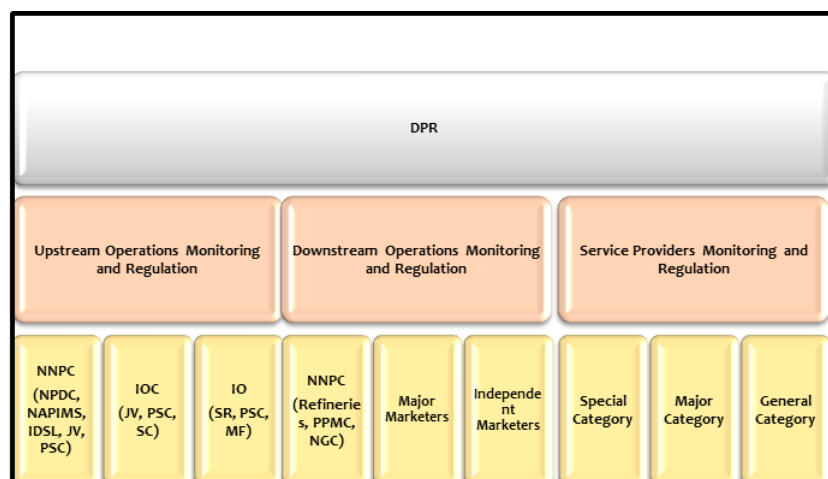


Figure 1: The Nigeria Oil and Gas Industry

Department of Petroleum Resources is the regulatory agency of the oil and gas industry in Nigeria. Specifically, the roles of the Department include:-

1. Conservation of Nigeria's Hydrocarbon Resources

2. Regulation and Monitoring of industry activities to ensure compliance with best standards & practices
3. Ensure safe, and environmentally sustainable development of the oil and gas operations' activities
4. Maintenance and administration of the national repository for archiving and retrieval of oil and gas data
5. Administration & management of acreages and concessions
6. Implementation of all government policies

### 3. MAKING MODULAR (MINI) REFINERIES WORK

In the face of dependency on importation for petroleum products availability, attempts by the Nigerian Government to encourage local private investments in refining of crude oil in the past had yielded very low success. The present government has launched new initiatives to encourage establishment of modular (mini) refineries as a short-term solution to the product supply problem. A study of the modular (mini) refinery project shows that it is a viable project even in the event of competing with mega refineries in the same market (though the margin may become very low under this situation). In order to meet government's aspiration of making Nigeria a crude oil refining hub, government has provided conducive environment and incentives to make mini (modular) refinery projects more attractive. This article evaluates the progress status in the establishment of modular refineries in Nigeria while identifying the major challenges being faced with recommended solutions.

Nigeria's four state-owned refineries with a plate capacity of 445,000 barrels per stream day have continued to perform far below capacity. Over eighty percent of the petroleum products consumed in Nigeria is imported<sup>1</sup>. The pump prices of these products except Automotive Gas Oil (Diesel) are subsidized by the government. It is believed that the Federal Government of Nigeria spends over 200 billion Naira every year to subsidized petroleum products. These monies would have been used to provide infrastructure or provide better quality education or health facilities. A conservative estimate suggests that 55 million barrels of petroleum products are consumed daily in Nigeria at the ratio of 35:12:8 for PMS, AGO and DPK respectively. Analysis also shows that at the current demand growth rate, we will need to process 750,000 barrels of crude per day to meet the nation's demand for petroleum product by 2020<sup>1</sup>. There is currently a deficit 2.6 million barrels per stream day between demand and supply of petroleum products in Africa<sup>2</sup>.

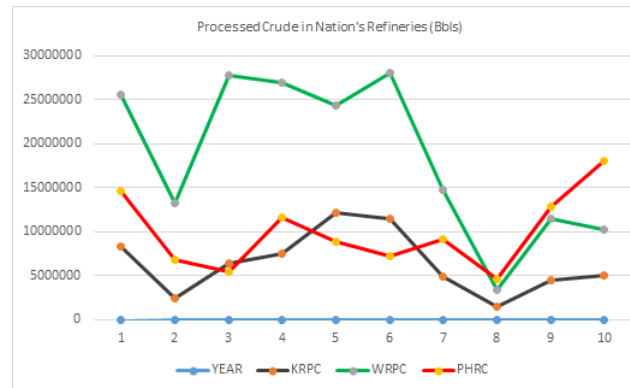


Figure 2: Crude oil processed in Nigeria's refineries between 2008 and 2017

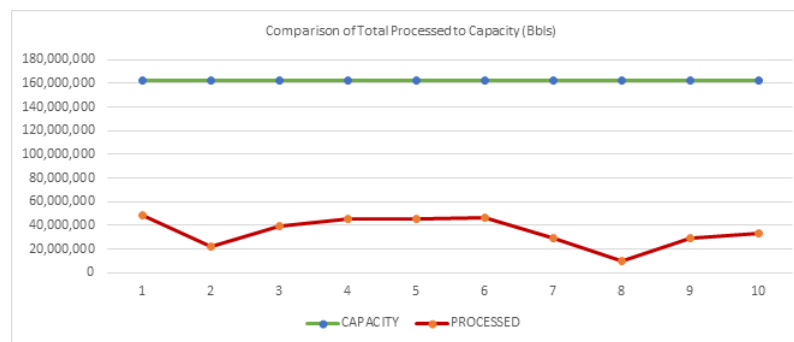


Figure 3: Comparison of the total crude processed to capacity of the nation's refineries (2008 – 2017)

In order to ensure regular supply of petroleum product for domestic consumption and provide veritable platforms for Nigerians and investors to take advantage of these opportunities, the Federal Government has launched some initiatives to support the establishment of private mini (modular) refineries. These initiatives include:

- i. The “7 Big Wins” Initiative (2015 – 2019). The initiative captured the short and medium-term priorities to grow Nigeria’s Oil and Gas Industry. It proffers a roadmap for developing a stable and enabling oil and gas landscape with improved transparency, efficiency, stable investment climate, and a well-protected environment. The “Big Win 4” focuses on expansion of domestic refining capacity and rehabilitation of existing refineries.
- ii. The National Petroleum and Gas Policies. The National Gas Policy was approved by the Federal Executive Council on the 28<sup>th</sup> day of June 2017. This was followed immediately by the approval of the National Petroleum policy on the 19<sup>th</sup> day of July 2017. These policies provide the framework for creation of strong refining hub in Nigeria, divestment of government-owned refineries, co-location of brownfield refineries with existing refineries and construction of private refineries.

#### The Mini (Modular) Refinery Project:

A modular refinery is a prefabricated crude oil processing plant constructed on skid mounted surfaces, with each structure containing a portion of the entire refining process plant, with by interstitial piping to form an easily manageable process. Technically, a modular refinery could be either simple or complex, with capacity ranging from 100 bpsd to 10,000 bpsd. They are however not defined by size. They can be transported in modules across distances and put together at the location desired. The other advantages of modular refineries include short project completion time, relatively small overall project cost, provides quicker investment return, can be installed in small space and could be designed towards petroleum product need around its location.

Attempts to construct private refineries in Nigeria started in 1990 with the call for indigenous private participation in crude oil refining by the government. Between 1990 and 2000, the Department of Petroleum Resources received over 100 applications. From 2001 to 2007, the 3-Stage Licensing (License to Establish - LTE, Approval to Construct - ATC and License to Operate - LTO) process, which is still in use to date was adopted. About 105 applications were received during the period, leading to grant of 21 LTEs in 2002 and 17 ATCs in 2004. Between 2008 and 2011, focus was placed more on mini (modular) refineries. Nine (9) LTEs were granted and two plants were fabricated, but only the 1,000 bpsd capacity Niger Delta Petroleum Resources refinery at Ogbelle River State was commissioned. From 2012 to date, about 34 LTEs have been granted for mini(modular) refinery projects; six (6) of these companies have been granted ATCs and are at different levels of construction.

The success rate of establishment of mini(modular) refineries in Nigeria is low; only one modular refinery has been commissioned since 2008 out of about 43 LTEs issued. However, in the last two years, construction of 7,000 bpsd OPAC Refinery in Umusetti, Delta State and 10,000 bpsd Niger Delta Petroleum Resources Refinery expansion project in Ogbelle, Rivers State started off and are near completion owing to the implementation of government policies and the support from the Department of Petroleum Resources. A few other modular refinery projects, namely Edo Refinery, Ikpoba Okha; Petrolex Refinery, Ijebu Ode; African Refinery, Port Harcourt and Southfield Refinery, Ologbo have either completed detailed engineering, secured modules to relocate or the equipment are being fabricated at the manufacturers yard.

Using Bonny Light Crude as an example, If the buying of the crude and the selling of the products are done using international prevailing prices, it is possible to show that the operation of the plant is profitable using the RefTexas Yield / Profit calculator for a 10,000 bpsd mini(modular) topping refinery that processes Bonny Light crude oil into naphta, diesel and fuel oil.




 <b>Refinery Equipment of Texas, LLC</b>						
Crude Oil Type: Bonny Light Assay ( 32.9 API )						
11/05/2019 Yield / Profit Calculator - Per Day						
10,000	Barrels per day	Cost per barrel USD	\$78.00	Total	\$780,000.00	
		Percent of cost	Barrels	Liters	Sell \$	Projected Sell \$
1.00%	Avg. % yield for water-gas	\$7,800.00	100	15,899	\$0.00	\$0.00
28.78%	Avg. % yield for naphtha	\$224,484.00	2,878	457,564	\$0.80	\$366,051.21
52.96%	Avg. % yield for diesel	\$413,068.00	5,296	841,994	\$0.80	\$673,595.27
17.26%	Avg. % yield for HFO **	\$134,628.00	1,726	274,411	\$0.80	\$219,528.97
0.00%	Avg. % yield for asphalt**	\$0.00	0	0	\$0.00	\$0.00
Assumptions: Crude API see above				return	\$1,259,175.46	
** heavy fuel oil is a blend of diesel no. 4,5,6 & resid (higher quality than #6)				cost	\$780,000.00	
** yield for asphalt road base / residuum or bitumen				Daily \$	\$479,175.46	
www.platts.com				30 days	\$14,375,263.68	
				Annual	\$172,503,164.16	
*A reliable feedstock assay, including a True Boiling Point (TBP) distillation to verify the crude oil yields are required. The spreadsheet above is the best estimates that can be done without the True Boiling Point Assay.						

Figure 4: Yield /Profit Calculation for a 10,000 bpsd mini refinery

### Conclusion and Recommendations

Modular refinery is a profitable project, even in the event of mega refineries competing in the same market. Competition in the same market with mega refineries will only reduce the profit margin for the smaller plant based on economies of scale. The establishment of modular refineries is the short-term remedy for availability of petroleum products from local production in Nigeria and the government in the last few years have been providing conducive environment and support for the realization of establishment of modular refineries in Nigeria. The government has also approved total waiver (100%) on custom duties for modular refinery equipment imported for licensed modular refinery projects. These efforts by the government and the support from the Department of Petroleum Resources have changed the modular refinery projects landscape in the last two years. It is projected that at least five modular refineries with each processing up to 40,000 barrels of crude per day will be operational in Nigeria in the next five years.

The efforts of the government in providing conducive environment for establishment of modular refineries in Nigeria have been commendable. However, a lot more incentives can be put in place to realize government's aspiration of making Nigeria a refining hub in Africa. These incentives can take the form of establishing a special purpose vehicle (trust fund) to assist in funding modular refinery projects; providing tax holidays and foreign loan guarantees for modular refinery projects; and investing in power and road/rail infrastructure especially in areas where mini refinery licenses have been granted.

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## 4.0 STATISTICAL DATA

### 4.1 UPSTREAM

#### 4.1 Concessions

Table : 2017 Annual Report on Multi-client Projects in Nigeria

Company	Survey Name	Geological Province	Type Of Survey	Quantum Of Survey(Km/Km2)	Remarks
Mabon Limited	African Region Survey	Onshore & Offshore Niger Delta	2D Seismic & Geochemistry Survey	62,000 km	Data available for licensing. Contact company.
Mabon Limited	Nigeria Span Survey	Offshore Niger Delta	2D Seismic Regional Survey	12,000 km	Data available for licensing. Contact company.
TGS Petrodata JV Offshore Services Ltd	Brokerage of Data	Offshore Niger Delta	2D Seismic	17,000 km	Data available for licensing. Contact company.
PGS Geophysical Nig. Ltd	Brokerage of Data	Offshore Niger Delta	3D Seismic	26,000 km2	Data available for licensing. Contact company.
PGS Geophysical Nig. Ltd	MC3D	Offshore Benin Basin	3D Seismic	2,845 km2	Data available for licensing. Contact company.

Company	Survey Name	Geological Province	Type Of Survey	Quantum Of Survey(Km/Km2)	Remarks
PGS Geophysical Nig. Ltd	Mega Survey	Offshore Niger Delta	3D Seismic	98,000 km2	Data available for licensing. Contact company.
Sonar / Ikon Science	Niger Delta Pressure Study	Onshore & Offshore Niger Delta	Pore-Pressure Study	Niger Delta	Data available for licensing. Contact company
Polarcus Nigeria Limited	Brokerage of Data	Offshore Niger Delta	3D Seismic Survey	9,308km2	Data available for licensing. Contact company.
Bilview Energy Services	Well Logs Scanning & Digitizing	Onshore & Offshore Niger Delta	Digital Well Logs	Over 7,000 LAS	Digital Well Logs available for licensing. www.geoinfoweb.com
Harvex Geosolutions Limited	Brokerage of Data	Offshore Niger Delta	Controlled Source Electromagnetic	NA	Data is being marketed and licensed. Contact company.

**Table : 2017 Status of Oil Mining Leases (OMLs)**

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OML29	Joint Venture (JV)	983		Niger Delta - Onshore	AITEO E&P CO	1/7/1989	30-06-2019
OML120	Sole Risk (SR)	910		Niger Delta - Deep Offshore	ALLIED ENERGY RESOURCES NIGERIA LTD	27-02-2001	26-02-2021
OML121	Sole Risk (SR)	885		Niger Delta - Deep Offshore	ALLIED ENERGY RESOURCES NIGERIA LTD	27-02-2001	26-02-2021
OML112	Sole Risk (SR)	438		Niger Delta - Continental Shelf	AMNI INTERNATIONAL DEVELOPMENT CO.	12/2/1998	12/2/2018
OML117	Sole Risk (SR)	51		Niger Delta - Continental Shelf	AMNI INTERNATIONAL DEVELOPMENT CO.	6/8/1999	5/8/2019
OML52	Joint Venture (JV)	247		Niger Delta - Onshore	AMNI INTERNATIONAL DEVELOPMENT CO.	14-06-1997	13-06-2027
OML109	Sole Risk (SR)	772		Niger Delta - Continental Shelf	ATLAS PETROLEUM INTERNATIONAL LTD	25-05-1996	24-05-2016
OML55	Joint Venture (JV)	849		Niger Delta - Onshore	BELEMA	14-06-1997	13-06-2027
OML110	Sole Risk (SR)	966		Niger Delta - Continental Shelf	CAVENDISH PETROLEUM NIGERIA LIMITED	7/8/1996	6/8/2016
OML49	Joint Venture (JV)	1707		Niger Delta - Onshore	CHEVRON NIGERIA LTD.	14-06-1997	13-06-2027
OML51	Joint Venture (JV)	145		Niger Delta - Onshore	CHEVRON NIGERIA LTD.	14-06-1997	13-06-2027
OML89	Joint Venture (JV)	364		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML91	Joint Venture (JV)	157		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML86	Joint Venture (JV)	385		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML88	Joint Venture (JV)	773		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML90	Joint Venture (JV)	653		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML95	Joint Venture (JV)	1217		Niger Delta - Continental Shelf	CHEVRON NIGERIA LTD.	18-08-2014	17-08-2034
OML132	Production Sharing Contract (PSC)	804		Niger Delta - Deep Offshore	CHEVRON NIGERIA LTD.	20-12-2005	19-12-2025
OML131	Production Sharing Contract (PSC)	1210		Niger Delta - Deep Offshore	OANDO PLC	24-04-2005	23-04-2025
OML103	Sole Risk (SR)	914		Niger Delta - Onshore	CONOIL PRODUCING LTD	2/6/1993	1/6/2013
OML136	Sole Risk (SR)	1295		Niger Delta - Continental Shelf	CONOIL PRODUCING LTD	27-07-2006	26-07- 2026
OML59	Sole Risk (SR)	836		Niger Delta - Onshore	CONTINENTAL OIL AND GAS LTD.	6/6/1998	5/6/2018
OML149	Production Sharing Contract (PSC)	428		Niger Delta - Onshore	CONTINENTAL OIL AND GAS LTD.	10/3/2016	9/3/2036
N/A	Sole Risk (SR)	221		Niger Delta - Onshore	DUBRI OIL COMPANY	2/5/2013	1/5/2033
	Production Sharing Contract (PSC)	656		Niger Delta - Deep Offshore	TOTAL E&P	17-05-2007	16-05-2017
OML139	Production Sharing Contract (PSC)	656		Niger Delta - Deep Offshore	TOTAL E&P	17-05-2007	16-05-2017
OML99	Joint Venture (JV)	171		Niger Delta - Continental Shelf	TOTAL E&P	2/5/2013	1/5/2033
OML100	Joint Venture (JV)	179		Niger Delta - Continental Shelf	TOTAL E&P	2/5/2013	1/5/2033
OML102	Joint Venture (JV)	796		Niger Delta - Continental Shelf	TOTAL E&P	2/5/2013	1/5/2033

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OML58	Joint Venture (JV)	518		Niger Delta - Onshore	TOTAL E&P	14-06-2007	13-06-2027
	Sole Risk (SR)	1295		Niger Delta - Onshore	EMERALD ENERGY RESOURCES LIMITED	8/11/2007	7/8/2027
OML148	Production Sharing Contract (PSC)	870		Niger Delta - Onshore	ENAGEED RESOURCES LIMITED	15-05-2015	14-05-2035
OML18	Joint Venture (JV)	1035		Niger Delta - Onshore	EROTON E&P CO	1/7/2009	30-06-2019
OML133	Production Sharing Contract (PSC)	1100		Niger Delta - Deep Offshore	ESSO EXPLORATION	8/2/2006	7/2/2026
OML145	Production Sharing Contract (PSC)	1293		Niger Delta - Deep Offshore	ESSO EXPLORATION	30-05-2014	29-05-2034
	Sole Risk (SR)	759		Niger Delta - Continental Shelf	EXPRESS PET AND GAS CO LTD	1/11/1995	31-10-2015
OML83	Joint Venture (JV)	109		Niger Delta - Continental Shelf	FIRST ARIES PETROLEUM LTD.	18-08-2014	17-08-2034
OML85	Joint Venture (JV)	515		Niger Delta - Continental Shelf	FIRST ARIES PETROLEUM LTD.	18-08-2014	17-08-2034
OML71	Joint Venture (JV)	730		Niger Delta - Continental Shelf	WAEP/ Dangote	18-12-2014	17-12-2034
OML72	Joint Venture (JV)	1129		Niger Delta - Continental Shelf	WAEP/ Dangote	18-12-2014	17-12-2034
OML149	Production Sharing Contract (PSC)	941		Niger Delta - Onshore	GLOBAL ENERGY COMPANY LIMITED	5/2/2015	4/2/2035
OML149	Production Sharing Contract (PSC)	171		Niger Delta - Continental Shelf	GLOBAL ENERGY COMPANY LIMITED	10/3/2016	9/3/2036
OML127	Sole Risk (SR)	1281		Niger Delta - Deep Offshore	STAR DEEPWATER	25-11-2004	24-11-2024
OML104	Joint Venture (JV)	675		Niger Delta - Continental Shelf	MOBIL PRODUCING NIGERIA UNLTD	14-01-1998	13-01-2018
OML67	Joint Venture (JV)	119		Niger Delta - Continental Shelf	MOBIL PRODUCING NIGERIA UNLTD	11/3/2011	10/3/2031
OML68	Joint Venture (JV)	119		Niger Delta - Continental Shelf	MOBIL PRODUCING NIGERIA UNLTD	11/3/2011	10/3/2031
OML70	Joint Venture (JV)	1250		Niger Delta - Continental Shelf	MOBIL PRODUCING NIGERIA UNLTD	11/3/2011	10/3/2031
OML114	Sole Risk (SR)	464		Niger Delta - Continental Shelf	MONI PULO LTD	3/1/1999	02-01-2019
OML24	Joint Venture (JV)	162		Niger Delta - Onshore	NEWCROSS E&P CO	1/7/2009	30-06-2019
OML149	Production Sharing Contract (PSC)	990		Niger Delta - Onshore	NEWCROSS E&P CO	14-03-2017	13-03-2037
	Production Sharing Contract (PSC)	1131		Niger Delta - Deep Offshore	NIGERIAN AGIP ENERGY (NAE)	31-05-2006	30-05-2026
OML125	Production Sharing Contract (PSC)	1219		Niger Delta - Deep Offshore	NIGERIAN AGIP ENERGY (NAE)	2/1/2003	1/1/2023
OML60	Sole Risk (SR)	358		Niger Delta - Onshore	NIGERIAN AGIP OIL COMPANY	14-06-1997	13-06-2027
OML61	Sole Risk (SR)	1500		Niger Delta - Onshore	NIGERIAN AGIP OIL COMPANY	14-06-1997	13-06-2027
OML62	Sole Risk (SR)	1211		Niger Delta - Onshore	NIGERIAN AGIP OIL COMPANY	14-06-1997	13-06-2027
OML63	Sole Risk (SR)	2246		Niger Delta - Onshore	NIGERIAN AGIP OIL COMPANY	14-06-1997	13-06-2027
OML16	Service Contract (SC)	360		Niger Delta - Continental Shelf	AGIP ENERGY & NATURAL RESOURCES (AENR)	6/8/1979	5/8/2019
OML126	Production Sharing Contract (PSC)	705		Niger Delta - Continental Shelf	ADDAX EXPLORATION	25-11-2004	24-11-2024
OML137	Production Sharing Contract (PSC)	849		Niger Delta - Continental Shelf	ADDAX EXPLORATION	23-04-2007	22-04-2027
OML123	Production Sharing Contract (PSC)	401		Niger Delta - Continental Shelf	ADDAX EXPLORATION	14-08-2002	13-04-2022
OML124	Production Sharing Contract (PSC)	300		Niger Delta - Onshore	ADDAX EXPLORATION	14-08-2002	13-04-2022
OML40	Sole Risk (SR)	498		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	1/7/1989	30-06-2019
OML42	Sole Risk (SR)	814		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	1/7/1989	30-06-2019
OML26	Sole Risk (SR)	165		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	1/7/1989	30-06-2019
OML34	Sole Risk (SR)	950		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	1/7/1989	30-06-2019
OML119	Sole Risk (SR)	715		Niger Delta - Continental Shelf	NIGERIA PET. DEV. CO. (NPDC)	31-10-2000	30-10-2020
OML111	Sole Risk (SR)	461		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	6/18/1905	7/8/1905
OML64	Sole Risk (SR)	278		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	-09-1989	1/9/1900
OML65	Sole Risk (SR)	1019		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	-09-1989	1/9/1900

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OML66	Sole Risk (SR)	204		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	7/9/1989	6/9/2019
OML13	Sole Risk (SR)	1988		Niger Delta - Onshore	NIGERIA PET. DEV. CO. (NPDC)	20-12-2016	19-12-2036
OML30	Joint Venture (JV)	1097		Niger Delta - Onshore	NPDC/ SHORELINE NATURAL RESOURCES	1/7/1989	30-06-2019
OML14	Sole Risk (SR)	1220		Niger Delta - Deep Offshore	OIL AND GAS NIGERIA LIMITED	18-07-07	17-07-2027
OML115	Sole Risk (SR)	310		Niger Delta - Continental Shelf	ORIENTAL ENERGY RESOURCES	20-5-1999	19-5-2019
OML98	Joint Venture (JV)	523		Niger Delta - Onshore	PANOCEAN OIL CORPORATION NIG	-06-1976	7/7/2018
OML145	Production Sharing Contract (PSC)	544		Niger Delta - Onshore	PANOCEAN OIL CORPORATION NIG	23-10-2014	22-10-2034
OML122	Sole Risk (SR)	1295		Niger Delta - Continental Shelf	PEAK PETROLEUM INDUSTRIES NIGERIA LIMITED	17-05-2001	16-05-2021
OML4	Sole Risk (SR)	267		Niger Delta - Onshore	SEPLAT PRODUCTION AND DEV. CO.	1/7/1989	30-06-2019
OML38	Sole Risk (SR)	2152		Niger Delta - Onshore	SEPLAT PRODUCTION AND DEV. CO.	1/7/1989	30-06-2019
OML41	Sole Risk (SR)	291		Niger Delta - Onshore	SEPLAT PRODUCTION AND DEV. CO.	1/7/1989	30-06-2019
OML53	Joint Venture (JV)	1562		Niger Delta - Onshore	SEPLAT PRODUCTION AND DEV. CO.	14-06-1997	13-06-2027
OML11	Joint Venture (JV)	3097		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML17	Joint Venture (JV)	1301		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML20	Joint Venture (JV)	405		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML21	Joint Venture (JV)	372		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML22	Joint Venture (JV)	722		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML23	Joint Venture (JV)	483		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML25	Joint Venture (JV)	429		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML27	Joint Venture (JV)	165		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML28	Joint Venture (JV)	936		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML31	Joint Venture (JV)	1097		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML32	Joint Venture (JV)	565		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML33	Joint Venture (JV)	336		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML35	Joint Venture (JV)	1144		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML36	Joint Venture (JV)	338		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML43	Joint Venture (JV)	767		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML45	Joint Venture (JV)	76		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML46	Joint Venture (JV)	1080		Niger Delta - Onshore	SHELL PETROLEUM DEVELOPMENT CO.	1/7/1989	30-06-2019
OML74	Joint Venture (JV)	1324		Niger Delta - Continental Shelf	SHELL PETROLEUM DEVELOPMENT CO.	18-12-2014	17-12-2034
OML77	Joint Venture (JV)	962		Niger Delta - Continental Shelf	SHELL PETROLEUM DEVELOPMENT CO.	18-12-2014	17-12-2034
OML79	Joint Venture (JV)	970		Niger Delta - Continental Shelf	SHELL PETROLEUM DEVELOPMENT CO.	18-12-2014	17-12-2034
OML118	Production Sharing Contract (PSC)	1167		Niger Delta - Deep Offshore	SHELL NIG. E&P CO. (SNEPCO)	28-11-2005	27-11-2025
OML135	Production Sharing Contract (PSC)	926		Niger Delta - Deep Offshore	SHELL NIG. E&P CO. (SNEPCO)	3/7/2006	2/7/2026
OML130	Sole Risk (SR)	1295		Niger Delta - Deep Offshore	SOUTH ATLANTIC PETROLEUM LIMITED	25-04-2005	24-04-2025
OML127	Production Sharing Contract (PSC)	1198		Niger Delta - Deep Offshore	STAT OIL	28-12-2004	27-12-2024
OML129	Production Sharing Contract (PSC)	1023		Niger Delta - Deep Offshore	STAT OIL	28-12-2004	27-12-2024
OML142	Sole Risk (SR)	1295		Anambra Basin - Onshore	SUMMIT OIL INTERNATIONAL	12/6/2009	11/6/2029
OML144	Sole Risk (SR)	96		Niger Delta - Continental Shelf	SUNLINK PETROLEUM	2/5/2013	1/5/2033
OML145	Production Sharing Contract (PSC)	29		Niger Delta - Onshore	STERLING OIL EXP&ENERGY PROD. CO. LTD (SEEPKO)	25-10-2014	24-10-2034

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OML143	Production Sharing Contract (PSC)	369		Niger Delta - Onshore	STERLING OIL EXP&ENERGY PROD. CO. LTD (SEEPKO)	29-12-2010	28-12-2030
OML113	Sole Risk (SR)	1670		Benin Basin - Continental Shelf	YINKA FOLAWIYO PET CO LTD	1/6/1998	31-05-2018

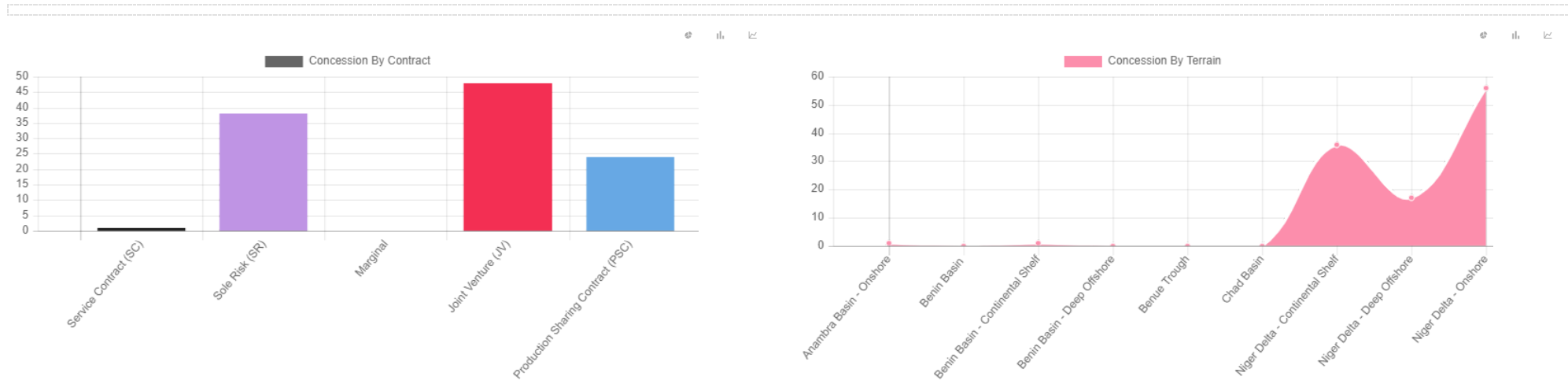


Figure  
: Distribution of Nigerian OML by Contract Type

Figure  
: Distribution of Nigerian Concessions by Terrain

Table : 2017 Status of Oil Prospecting Licenses (OPLs)

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OPL907	Production Sharing Contract (PSC)	2498		Anambra Basin - Onshore	AFREN GLOBAL ENERGY RESOURCES LIMITED	6/27/1905	19-02-2018
OPL917	Production Sharing Contract (PSC)	1710		Anambra Basin - Onshore	AFREN GLOBAL ENERGY RESOURCES LIMITED	6/27/1905	19-02-2018
OPL452	Sole Risk (SR)	522		Niger Delta - Onshore	AMALGAMATED OIL CO. LTD.	6/14/1905	24-05-2016
OPL325	Production Sharing Contract (PSC)	1265		Benin Basin - Deep Offshore	ASHBERT OIL & GAS LTD.NPDC/TRAIN-COSY ENERGY	6/27/1905	
OPL286	Production Sharing Contract (PSC)	804		Niger Delta - Deep Offshore	SAHAHRA.BG EXP. NIC LTD.	6/28/1905	7/3/2017
OPL240	Production Sharing Contract (PSC)	48		Niger Delta - Continental Shelf	BOC JNHP CONSORTIUM	6/29/1905	
OPL471	Production Sharing Contract (PSC)	1370		Niger Delta - Continental Shelf	CHINA NATIONAL OIL DEV. CO (CNODC)	6/28/1905	22-04-21017
OPL257	Production Sharing Contract (PSC)	426		Niger Delta - Deep Offshore	CONOIL PRODUCING LTD	6/27/1905	8/2/2016
OPL289	Production Sharing Contract (PSC)	386		Niger Delta - Continental Shelf	CLEANWATERS CONSORTIUM	6/28/1905	22-04-2012
OPL290	Production Sharing Contract (PSC)	531		Niger Delta - Continental Shelf	CONOIL PRODUCING LTD	6/29/1905	16-10-2013
OPL305	Sole Risk (SR)	1558		Benin Basin	CROWNWELL PETROLEUM LTD	6/15/1905	18-05-20202
OPL306	Sole Risk (SR)	1889		Benin Basin	CROWNWELL PETROLEUM LTD	6/15/1905	18-05-2020
OPL322	Sole Risk (SR)	1789		Niger Delta - Deep Offshore	DAJO OIL LIMITED	30-03-2004	26-02-2019
OPL204	Sole Risk (SR)	1670		Niger Delta - Onshore	AFRICOIL & MARKETING CO. LTD.	10/8/1993	8/7/2010
OPL251	Production Sharing Contract (PSC)	940		Niger Delta - Deep Offshore	DSV	16-12-2012	
OPL221	Production Sharing Contract (PSC)	2286		Niger Delta - Deep Offshore	TOTAL E&P	19-11-2003	18-11-2013
OPL227	Sole Risk (SR)	974		Niger Delta - Continental Shelf	EXPRESS PET AND GAS CO LTD	6/22/1905	2/12/2018

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OPL226	Production Sharing Contract (PSC)	1257		Niger Delta - Continental Shelf	ESSAR E&P LIMITED	18-05-2007	9/3/2015
OPL233	Production Sharing Contract (PSC)	920		Niger Delta - Deep Offshore	ESSO EXPLORATION	19-07-2005	18-07-2015
OPL235	Sole Risk (SR)	1480		Niger Delta - Onshore	FIRST ARIES PETROLEUM LTD.	10/8/1993	
OPL905	Production Sharing Contract (PSC)	2600		Benin Basin - Deep Offshore	GAS TRANSMISSION & POWER LIMITED	23-04-2007	22-04-2017
OPL2010	Production Sharing Contract (PSC)	179		Niger Delta - Continental Shelf	GLOBAL ENERGY COMPANY LIMITED	18-05-2007	29-12-2015
OPL2012	Production Sharing Contract (PSC)	849		Niger Delta - Continental Shelf	GRASSO NIG. LTD..SIGMUND OIL FIELDS LTD.	16-06-2012	17-06-2019
OPL247	Sole Risk (SR)	1165		Niger Delta - Deep Offshore	HERITAGE OIL & GAS CO. LTD.	1/3/1900	5/4/2019
OPL252	Production Sharing Contract (PSC)	814		Niger Delta - Deep Offshore	INC NATURAL RESOURCES	6/28/1905	
OPL292	Production Sharing Contract (PSC)	1195		Niger Delta - Deep Offshore	INC NATURAL RESOURCES	6/28/1905	
OPL234	Production Sharing Contract (PSC)	1214		Niger Delta - Onshore	MONI PULO LTD	6/29/1905	15-12-2013
OPL239	Production Sharing Contract (PSC)	65		Niger Delta - Continental Shelf	MONI PULO LTD	6/29/1905	15-12-2013
OPL231	Production Sharing Contract (PSC)	244		Niger Delta - Onshore	MONI PULO LTD	6/29/1905	16-05-2016
OPL276	Production Sharing Contract (PSC)	472		Niger Delta - Onshore	NEWCROSS E&P CO	16-02-2006	20-01-2017
OPL733	Production Sharing Contract (PSC)	2611		Chad Basin	NEW NIGERIA DEVELOPMENT COMPANY LIMITED	6/27/1905	7/8/2016
OPL809	Production Sharing Contract (PSC)	2581		Benue Trough	NEW NIGERIA DEVELOPMENT COMPANY LIMITED	6/27/1905	7/8/2016
OPL810	Production Sharing Contract (PSC)	2584		Benue Trough	NEW NIGERIA DEVELOPMENT COMPANY LIMITED	6/27/1905	7/8/2016
OPL722	Production Sharing Contract (PSC)	2540		Chad Basin	NEW NIGERIA DEVELOPMENT COMPANY LIMITED	6/27/1905	7/8/2016
OPL244	Production Sharing Contract (PSC)	1700		Niger Delta - Deep Offshore	NIGERIA AGIP EXPL. LTD (NAE).SHELL NIG.ULTRA DEEP LTD.	6/22/1905	19-12-2011
OPL282	Production Sharing Contract (PSC)	695		Niger Delta - Continental Shelf	NIGERIAN AGIP OIL COMPANY	6/27/1905	7/9/2015
OPL291	Production Sharing Contract (PSC)	1287		Niger Delta - Deep Offshore	STARCREST LIMITED	6/28/1905	15-10-2016
OPL702	Sole Risk (SR)	2574		Chad Basin	NNPC.FES	5/20/1905	Not applicable due to section 20 of NNPC Act Cap 320 of LFN 1990
OPL703	Sole Risk (SR)	2772		Chad Basin	NNPC.FES	5/20/1905	
OPL705	Sole Risk (SR)	2547		Chad Basin	NNPC.FES	5/20/1905	
OPL707	Sole Risk (SR)	2582		Chad Basin	NNPC.FES	5/20/1905	
OPL242	Production Sharing Contract (PSC)	1789		Niger Delta - Deep Offshore	NIGERIA PET. DEV. CO. (NPDC)	7/3/2011	
OPL233	Production Sharing Contract (PSC)	126		Niger Delta - Continental Shelf	NIGER DELTA PET. RESOURCES LTD	6/28/1905	29-06-2016
OPL215	Sole Risk (SR)	2586		Niger Delta - Deep Offshore	NOREAST PET. NIG. LTD.	21-10-1991	20-04-2020
OPL325	Sole Risk (SR)	1652		Niger Delta - Deep Offshore	NOREAST PET. NIG. LTD.	13-05-1999	
OPL236	Production Sharing Contract (PSC)	1652		Niger Delta - Onshore	OANDO PLC	6/27/1905	7/9/2011
OPL278	Production Sharing Contract (PSC)	92		Niger Delta - Onshore	OANDO PLC	6/27/1905	7/9/2015
OPL241	Production Sharing Contract (PSC)	1257		Niger Delta - Deep Offshore	OILWORLD LIMITED	6/29/1905	9/3/2020
OPL285	Production Sharing Contract (PSC)	1167		Niger Delta - Deep Offshore	EMO E&P.TOTAL E&P LTD	6/28/1905	22-02-2017
OPL279	Production Sharing Contract (PSC)	1103		Niger Delta - Deep Offshore	EMO E&P.TOTAL E&P LTD	6/28/1905	22-02-2017
OPL297	Production Sharing Contract (PSC)	1290		Niger Delta - Deep Offshore	ONGC - MITTAL ENERGY NIGERIA LTD (OMEL)	6/28/1905	
OPL310	Sole Risk (SR)	1935		Benin Basin - Deep Offshore	OPTIMUM PETROLEUM DEVELOPMENT LIMITED	6/14/1905	9/6/2018
OPL915	Sole Risk (SR)	1195		Anambra Basin - Onshore	ORIENTAL PET. REFINERY LTD.	31-01-2005	29-01-2015
OPL916	Sole Risk (SR)	963		Anambra Basin - Onshore	ORIENTAL PET. REFINERY LTD.		
	Production Sharing Contract (PSC)	1789		Benin Basin - Deep Offshore	ORANTO PETROLEUM LTD.	6/24/1905	16-07-2021
	Production Sharing Contract (PSC)	1023		Niger Delta - Deep Offshore	ORANTO PETROLEUM LTD.	7/7/1905	
OPL284	Production Sharing Contract (PSC)	1131		Niger Delta - Deep Offshore	SAHARA ENERGY E&P	17-07-2006	6/7/2017

Concession	Contract Type	Area (Sq.km)	Equity Distribution	Basin/Terrain	Operator	Date Of Grant	License Expiration
OPL228	Production Sharing Contract (PSC)	1915		Niger Delta - Onshore	SAHARA ENERGY E&P	11/5/2007	
OPL245	Sole Risk (SR)	1958		Niger Delta - Deep Offshore	NIGERIA AGIP EXPL. LTD (NAE).SHELL NIG.ULTRA DEEP LTD.	22-12-2003	10/5/2021
OPL206	Sole Risk (SR)	2020		Anambra Basin - Onshore	SUMMIT OIL INTERNATIONAL	6/12/1905	19-01-2014
OPL2005	Production Sharing Contract (PSC)	662		Niger Delta - Onshore	STERLING OIL EXP&ENERGY PROD. CO. LTD	6/29/1905	29-04-2019
OPL2006	Production Sharing Contract (PSC)	662		Niger Delta - Onshore	STERLING OIL EXP&ENERGY PROD. CO. LTD	6/29/1905	29-04-2019
	Production Sharing Contract (PSC)	103		Niger Delta - Onshore	STERLING OIL EXP&ENERGY PROD. CO. LTD	7/8/1905	
OPL2008	Production Sharing Contract (PSC)	41		Niger Delta - Continental Shelf	TENOIL PET. & ENERGY SERVICES LTD.CLAYFORD	6/29/1905	25-05-2016
OPL281	Production Sharing Contract (PSC)	122		Niger Delta - Onshore	TRANSNATIONAL CORPORATION	6/28/1905	1/5/1900
OPL257	Production Sharing Contract (PSC)	234		Niger Delta - Deep Offshore	WAEP/ Dangote	6/29/1905	
OPL292	Production Sharing Contract (PSC)	1218		Niger Delta - Deep Offshore	WAEP/ Dangote	6/29/1905	
OPL248	Production Sharing Contract (PSC)	2448		Niger Delta - Deep Offshore	ZEBBRA ENERGY LIMITED	6/21/1905	1/6/1900

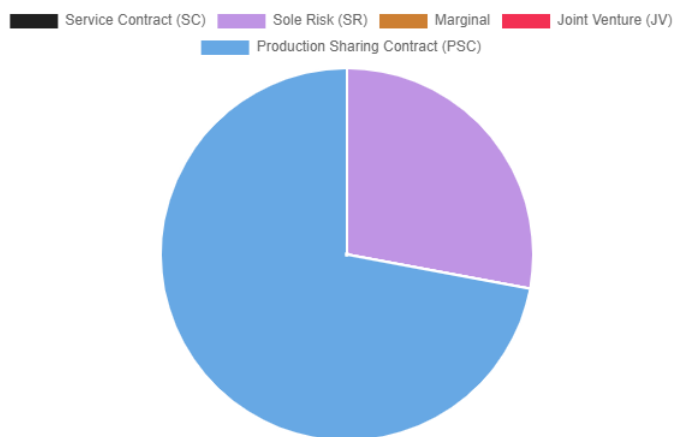


Figure : Distribution of Nigerian OPL by Contract Type

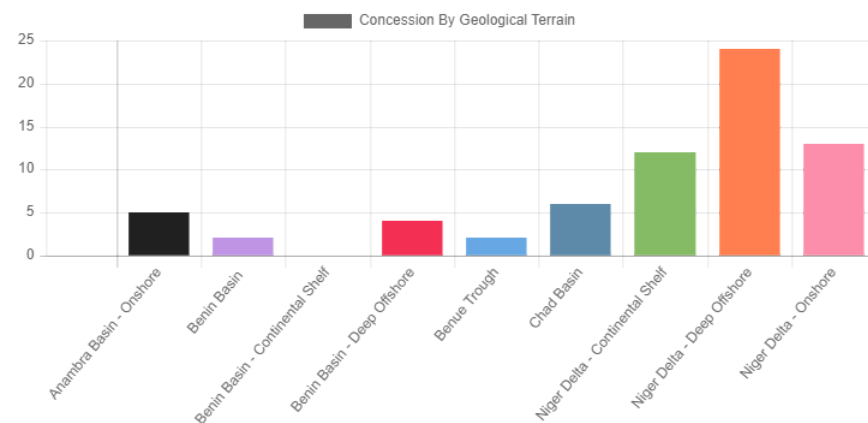


Figure : Distribution of Nigerian OPL by Geological Terrain

Table : 2017 Summary Of Acreage Situation As At 31 December

Basin	No of OPL Blocks Allocated	No of OML Blocks Allocated	No Of Open Blocks	Total No Of Blocks
TOTAL	0	0	0	0

Figure  
: Summary of Acreage Situation

Table : 2017 List of Marginal Fields			
Field Name	Company Name	Block	
OGBELLE	NIGER DELTA PET. RESOURCES LTD	OML54	
IDU	NIGER DELTA PET. RESOURCES LTD	OML53	
AKPO	PRIME EXPLORATTION	OML11	
IBOT	ORIENTAL ENERGY RESOURCES	OML67	
ATRIA	ORIENTAL ENERGY RESOURCES	OML67	
STUBB-CREEK	UNIVERSAL ENERGY	OML13/14	
DAWES-ISLAND	EURAFRIC ENERGY LIMITED	OML54	
UMUSETI	PILLAR OIL LTD	OML56	
ALA	BAYELSA OIL COMPANY LTD	OML46	
BENIBOYE SOUTH	MOVIDO E&P LIMITED	OML88	
GALISOMA	BICTA ENERGY & MANAGEMENT SYSTEMS LIMITED	OML90	
ORORO	GUARANTEE PETROLEUM LIMITED (OPERATOR)	OML95	
AZUZUAMA	PLATFORM PETROLEUM	OML38	
AMOJIE	SOGENAL LIMITED	OML56	
AGBAMI	SOGENAL LIMITED	OML90	
ISONSI	MILLENIUM OIL AND GAS LIMITED	OML11	
AFIA	YINKA FOLAWIYO PET CO LTD	OML90	
IYEDE	NETWORK E&P NIGERIA	OML13	
DIBI	WALTERSMITH PETROMAN OIL LIMITED	OML16	
UMUSADEGE	MIDWESTER OIL AND GAS CO. LTD./Suntrust Oil Company Limited	OML56	
EWOLIGBI	INDEPENDENT ENERGY LIMITED	OML30	
KE	DEL SIGMA	OML55	
AMENAM - KPONO	ASSOCIATED OIL AND GAS LIMITED (OPERATOR)	OML14	



Field Name	Company Name	Block
KRAKAMA	FRONTEIR OIL LTD.	OML13
EBENDO/OBODETI	ENERGIA LTD.	OML56
IKIKE	GOLAND PETROLEUM DEV. CO. LIMITED	OML88
BONGA-NORTH	EXCEL EXPLORATION & PRODUCTON LIMITED	OML46
KD	SAHARA ENERGY LIMITED (OPERATOR)	OML40
INYI CREEK	GREEN ENERGY INTERNATIONAL LIMITED	OML11
KIFI	ALL GRACE ENERGY LIMITED	OML17

ORORO

GALISOMA

AFIA

AGBAMI

BENIBOYE SOUTH

Fields

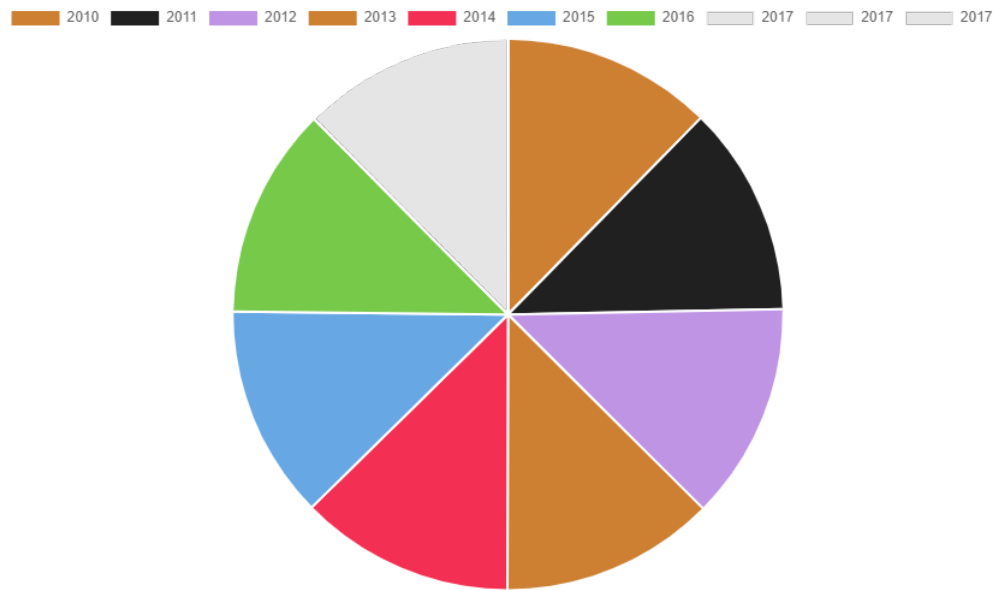
Figure  
: Marginal Field

Figure : Marginal Field

## Reserves

Table : 2017 Oil and Condensates Reserves

Year	Oil <i>(MMbbls)</i>	Condensate <i>(MMbbls)</i>	(Oil + Condensate) <i>(MMbbls)</i>
2017	0.55	1882.30	1882.85
2017	8.26	461.20	469.46
2017	13.94	1689.40	1703.34
2017	31419.71	1301.40	32721.11
2017	8.92	1882.30	1891.22
2017	8346.20	461.20	8807.4
2017	7243.80	1689.40	8933.2
2017	7284.80	1301.40	8586.2
2017	8792.90		
2016	31271.77		



**Table : 2017 Nigeria Oil & Condensate Reserves Distribution on Contract Basis**

Contract Type	Oil (MMbbls)	Condensate (MMbbls)	Total (MMbbls)
Joint Venture (JV)	13.94	1,882.30	1896.24
Production Sharing Contract (PSC)	8.26	461.20	469.46
Sole Risk (SR)	8.92	1,689.40	1698.32
Marginal	0.55	1,301.40	1301.95
<b>Total</b>	<b>31.67</b>	<b>5,334.30</b>	<b>5365.97</b>

**Table : 2017 Nigeria Oil & Condensate Reserves Distribution on Terrain Basis as at January 1,**

Terrain	Oil (MMbbls)	Condensate (MMbbls)	Total (MMbbls)
Onshore	8,792.90	1,882.30	10,675.20
Deep Offshore	7,284.80	461.20	7,746.00
Shallow Offshore	7,243.80	1,689.40	8,933.20
Onshore	8,346.20	1,301.40	9,647.60
<b>Total</b>	<b>31,667.70</b>	<b>5,334.30</b>	<b>37,002.00</b>

Joint Venture (JV) Production Sharing Contract (PSC) Sole Risk (SR) Marginal

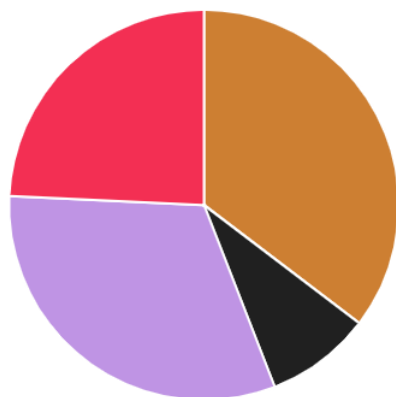


Figure  
: Oil & Condensate Reserves Distribution on Contract

Onshore Deep Offshore Shallow Offshore Onshore

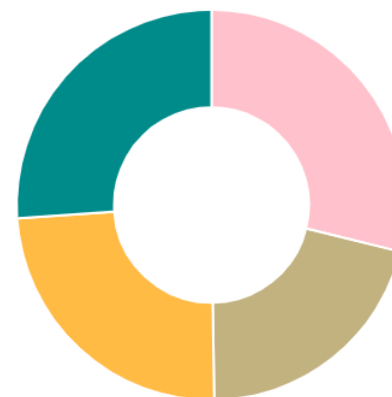


Figure  
: Oil & Condensate Reserves Distribution on Terrain

Table : 2017 Oil Reserves Net Addition, Depletion Rate and Life Index on Contract Basis

Contract Type	Production, Million Barrels	Net Addition (Crude Oil), Million Barrels	% Net Addition	Depletion Rate, %	Life Index, Years
Joint Venture (JV)	314.23	46.21	0.30	1.80	56.34
Production Sharing Contract (PSC)	272.25	297.43	3.50	3.10	32.15
Sole Risk (SR)	151.97	-340.54	-3.30	1.50	65.49
Marginal	16.17	27.09	4.80	2.70	36.83
Total	754.62	30.19	5.3	9.1	190.81

Table : 2017 Reserves Replacement Rate (RRR) on Contract Basis

Contract Type	Oil & Condensates Reserves as at 1/1 2018	Oil & Condensates Reserves as at 1/1 2017	2017 Oil & Condensates Production, MMB	Net Addition to Oil & Condensate Reserves, MMB	Reserves Replacement Rate, %
Joint Venture (JV)	17702.81		17720.13	17,702.81	99.90
Production Sharing Contract (PSC)	8751.68		8454.25	26,454.49	168.70
Sole Risk (SR)	9952.10		10229.11	36,406.59	221.31
Marginal	595.51		568.42	37,002.10	317.99
Total (National)	37,002.10	0.00	36,971.91	117,565.99	807.90

Figure  
: 2017 Reserves Replacement Rate (RRR)

Table : 2017 Nigeria's Reserves Replacement Rate (RRR) - Nine Year Trend

Year	Oil & Condensate Production, MMB	Reserves Replacement Rate, % Barrels
01/Jan/2008		0.00
01/Jan/2009		0.00
01/Jan/2010		0.00
01/Jan/2011		0.00
01/Jan/2012		0.00
01/Jan/2013		0.00
01/Jan/2014		0.00
01/Jan/2015		0.00
01/Jan/2016		0.00
01/Jan/2017	17720.13	99.90

Figure  
: Net Reserve Addition , Production & RRR Ten Year Trend

Table : 2017 Natural Gas Reserves

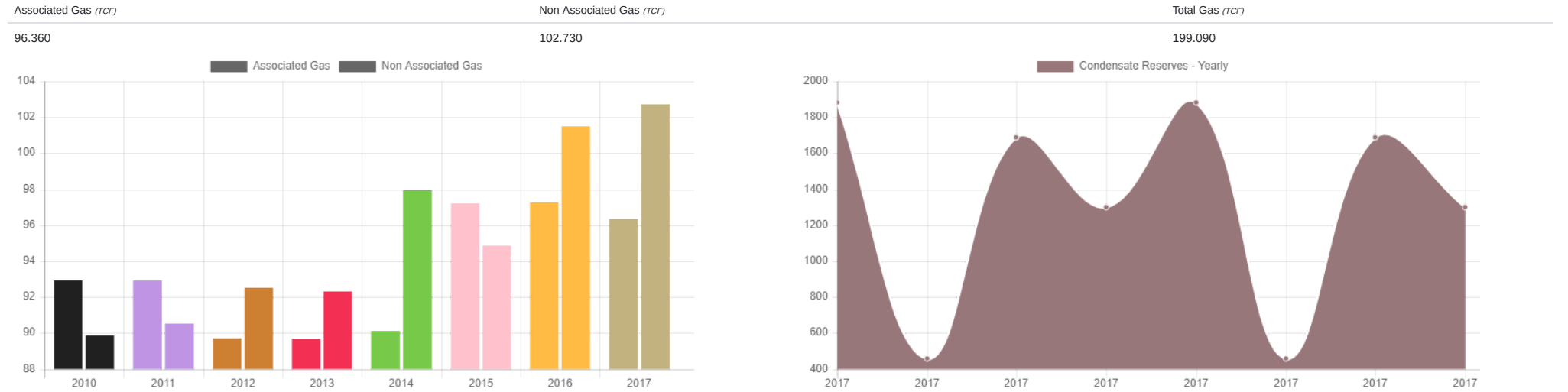


Table : 2017 Natural Gas Reserves

Associated Gas (TCF)	Non Associated Gas (TCF)	Total Gas (TCF)
96.360	102.730	199.090
97.253	101.485	198.738
97.208	94.857	192.065
90.094	97.904	187.998
89.652	92.298	181.950
89.729	92.529	182.258
92.904	90.530	183.434
92.945	89.872	182.817

Reserves By Year

AG vs NAG

Figure  
: Reserves By Year

Figure  
: AG vs NAG

4.1.3 Field Exploration Activities

Table : 2017 Seismic Data Acquisition

Year	Type	Land	Shallow Offshore	Deep Offshore	Total
2008	3-D, Sq.Km				0
2009	3-D, Sq.Km				0
2010	3-D, Sq.Km	1300.94	841.28	2672.79	4815.01
2011	3-D, Sq.Km	638.27	1127.59	0.00	1765.86
2012	3-D, Sq.Km	1913.00	568.24	1742.29	4223.53
2013	3-D, Sq.Km	1588.08	1690.24	961.81	4240.13
2014	3-D, Sq.Km	804.35	2833.03	572.00	4209.38
2015	3-D, Sq.Km	675.80	775.50	455.51	1906.81
2016	3-D, Sq.Km	138.50	156.00	0.00	294.5
2017	3-D, Sq.Km	775.61	735.28	887.10	2397.99

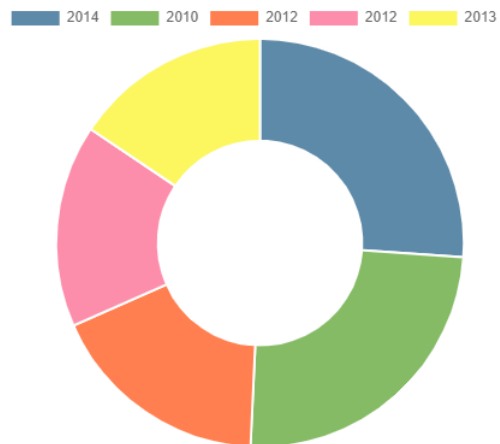
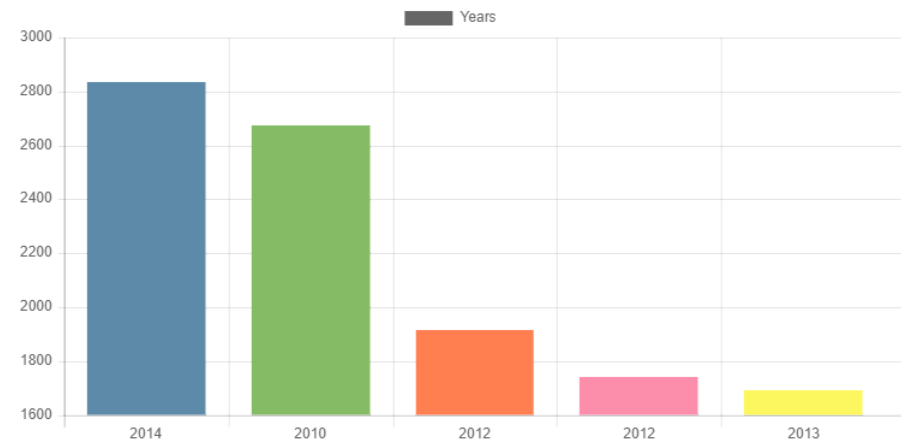


Figure  
: Seismic Activities



#### 4.1.4 Field Development Activities

Table : 2017 Approved 2018 Field Development Plans

#	Company	Field	Anticipated Production Rate (Bopd/MMscf/d)	Expected Reserves (MMSTB/BSCF)	Commencement Date	Remarks/Status
1	CHEVRON NIGERIA LTD.	MALU	N/A	28.81MMSTB / 16.44BSCF	2019	Approved

Table : 2017 Number of Wells drilled by Terrain

Year	Land / Swamp	Shallow Offshore	Deep Offshore	Total
2008	0	0	0	0
2009	0	0	0	0
2010	0	0	0	0
2011	0	0	0	0
2012	0	0	0	0
2013	0	0	0	0
2014	0	0	0	0
2015	0	0	0	0
2016	0	0	0	0
2017	0	0	0	0

Table : Wells Drilled by Contract and Class in

Contract	Exploratory	Appraisal(1st & 2nd)	Ordinary Appraisal	Development	Total
SC	0	0	0	0	0

Contract	Exploratory	Appraisal(1st & 2nd)	Ordinary Appraisal	Development	Total
SR	0	0	0	0	0
MF	0	0	0	0	0
JV	0	0	0	0	0
PSC	0	0	0	0	0
Total	0	0	0	0	0

Table : Number of Wells drilled by Class

Year

Exploratory

Appraisal(1st & 2nd)

Ordinary Appraisal

Development

Total

2008

0

0

0

0

0

2009

0

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2010

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2011

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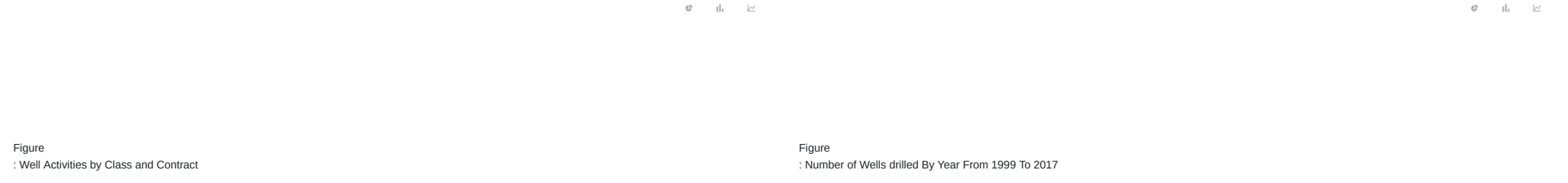


Table : Wells Completed in

Type of Contract

Total

By Terrain

Table : Approved Non-Associated Gas (NAG) Development Plans

#

Company

Block

FDP

Gas Reserves (BSCF)

Condensate(MMSTB)

Gas Off-Take Rate (MMSCFD)

1

NPDC/ ELCREST E&P NIG LTD

OML40

UGHELLI EAST

417.7

9.4

123

Table : 2017 Approved Associated Gas (AG) Development Plans

#	Company	Block	FDP	AG Reserves, Bscf	Gas Off-Take Rate (MMSCFD)
2	SHELL PETROLEUM DEVELOPMENT CO.	OML20	EGBEMA	97.72	6.7

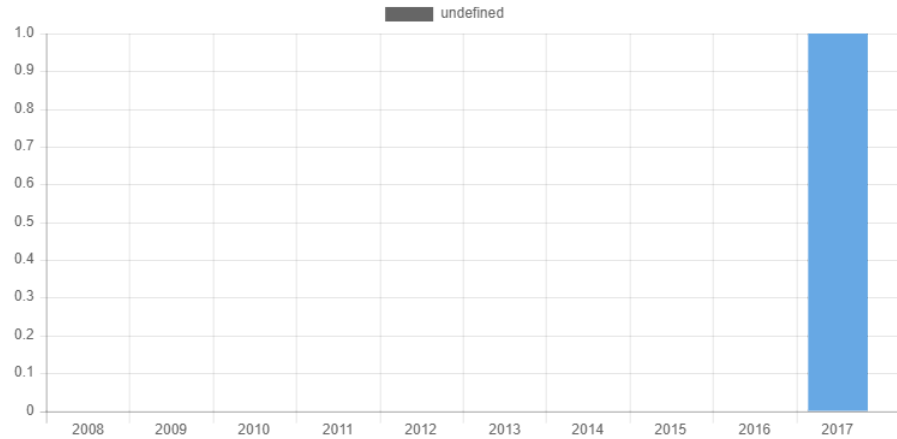
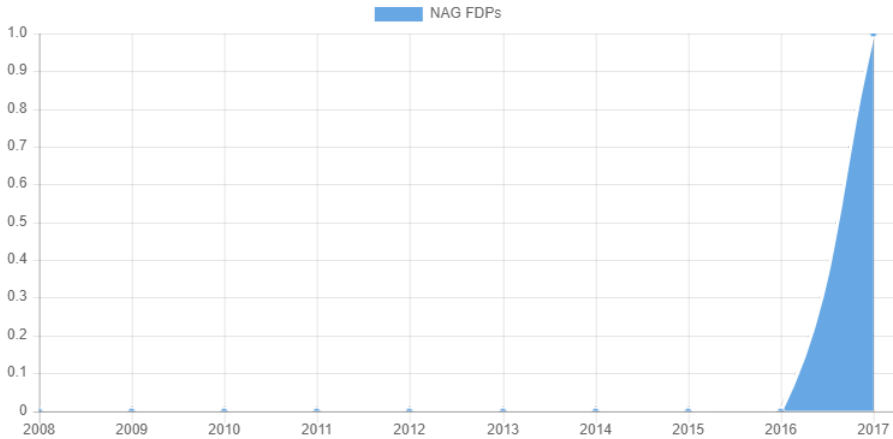


Table : New Drill Gas Appraisal/ Development Wells

#	Company	Block/Field	Well/Status	Terrain	Reserves, Bscf	Off-Take (MMScf/d)
1	SHELL PETROLEUM DEVELOPMENT CO.	OML23 / SONAM	Deep Offshore	Sonam-10 (J01A)	192.00	40

Table : Approved Gas Well Initial Completion

#	Company	Block/Field	Well/Status	Reserves, Bscf	Off-Take (MMScf/d)	Processing Facility
2	CHEVRON NIGERIA LTD.	N/A / ABITEYE	Abiteye-27ST	100.00	35	EGP 1
3	SHELL PETROLEUM DEVELOPMENT CO.	OML23 / SONAM	Sonam-10	192.00	40	EGP 1
4	SHELL PETROLEUM DEVELOPMENT CO.	OML23 / SONAM	Sonam-E01A	268.00	40	EGP 1

Table : Approved Gas Wells Work-Over Operations

#	Company	Block	Well Name	Processing Facility
1	STERLING OIL EXP&ENERGY PROD. CO. LTD (SEEPKO)	OPL2006	Ogbele-8	Ogbele Gas Processing Plant

Rig Activities

Table : Rig Disposition by Terrain from January to December 2017

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Terrain	January	February	March	April	May	June	July	August	September	October	November	December
Total	0	0	0	0	0	0	0	0	0	0	0	0

Table : 2017 Active Rigs by Terrain				
Year	Land / Swamp	Shallow Offshore	Deep Offshore	Total

#### 4.1.6 Production Activities

Table : Fields Summary

#	Company	Contract TYPe	Producing Field	Well Name	String Name
1	ALLIED ENERGY RESOURCES NIGERIA LTD	Sole Risk (SR)	1	2	2
2	AMNI INTERNATIONAL DEVELOPMENT CO.	Sole Risk (SR)	2	26	28
3	ATLAS PETROLEUM INTERNATIONAL LTD	Sole Risk (SR)	1	3	3

Table : Production Performance						
Company	Fields	Contract	Terrain	Annual Prod (Bbls)	Daily Ave (Bopd)	% Prod
ALLIED ENERGY RESOURCES NIGERIA LTD		Sole Risk (SR)	Deep Offshore	1,791,534.62	4,908.31	0.12
ENERGIA LTD.		Sole Risk (SR)	Onshore	5,210,531.63	14,275.43	0.36
YINKA FOLAWIYO PET CO LTD		Sole Risk (SR)	Deep Offshore	852,170.37	2,334.71	0.06
MONI PULO LTD		Sole Risk (SR)	Deep Offshore	903,750.25	2,476.03	0.06
NIGERIA PET. DEV. CO. (NPDC)		Sole Risk (SR)	Onshore	34,057,017.87	93,306.90	2.34
EXPRESS PET AND GAS CO LTD		Sole Risk (SR)	Deep Offshore	22,148.87	60.68	0.00
DUBRI OIL COMPANY		Sole Risk (SR)	Deep Offshore	118,345.63	324.23	0.01
CONTINENTAL OIL AND GAS LTD.		Sole Risk (SR)	Deep Offshore	3,804,311.87	10,422.77	0.26
CONSOLIDATED OIL COMPANY LIMITED		Sole Risk (SR)	Deep Offshore	412,495.75	1,130.13	0.03
ATLAS PETROLEUM INTERNATIONAL LTD		Sole Risk (SR)	Deep Offshore	135,520.37	371.29	0.01
AMNI INTERNATIONAL DEVELOPMENT CO.		Sole Risk (SR)	Deep Offshore	3,661,804.12	10,032.34	0.25
ORIENTAL ENERGY RESOURCES		Marginal	Deep Offshore	6,065,803.63	16,618.64	0.42
PLATFORM PETROLEUM		Marginal	Onshore	920,056.10	2,520.70	0.06
MIDWESTER OIL AND GAS CO. LTD./Suntrust Oil Company Limited		Marginal	Onshore	59,331,386.00	162,551.74	4.08
NIGER DELTA PET. RESOURCES LTD		Marginal	Onshore	1,660,561.25	4,549.48	0.11
PILLAR OIL LTD		Marginal	Onshore	846,222.12	2,318.42	0.06
UNIVERSAL ENERGY		Marginal	Onshore	878,629.00	2,407.20	0.06

Company	Fields	Contract	Terrain	Annual Prod (Bbls)	Daily Ave (Bopd)	% Prod
NETWORK E&P NIGERIA		Marginal	Onshore	740,879.63	2,029.81	0.05
EXCEL EXPLORATION & PRODUCTION LIMITED		Marginal	Onshore	78,064.62	213.88	0.01
GREEN ENERGY INTERNATIONAL LIMITED		Marginal	Onshore	4,467,156.25	12,238.78	0.31
FRONTEIR OIL LTD.		Marginal	Onshore	113,010.63	309.62	0.01
ENERGIA LTD.		Marginal	Onshore	1,202,561.40	3,294.69	0.08
BRITANIA-U		Marginal	Deep Offshore	401,704.75	1,100.56	0.03
WALTERSMITH PETROMAN OIL LIMITED		Marginal	Onshore	1,512,858.20	4,144.82	0.10
MOBIL PRODUCING NIGERIA UNLTD		Joint Venture (JV)	Deep Offshore	83,958,763.50	230,024.01	5.77
NIGERIAN AGIP OIL COMPANY		Joint Venture (JV)	Onshore	24,203,109.63	66,309.89	1.66
PANOCEAN OIL CORPORATION NIG		Joint Venture (JV)	Onshore	2,159,325.12	5,915.96	0.15
SHELL PETROLEUM DEVELOPMENT CO.		Joint Venture (JV)	Deep Offshore	681,437,992.00	1,866,953.40	46.86
AITEO E&P CO		Joint Venture (JV)	Onshore	19,674,153.88	53,901.79	1.35
NEWCROSS E&P CO		Joint Venture (JV)	Onshore	91,424,084.00	250,476.94	6.29
EROTON E&P CO		Joint Venture (JV)	Onshore	12,565,802.63	34,426.86	0.86
SEPLAT PRODUCTION AND DEV. CO.		Joint Venture (JV)	Onshore	11,979,348.63	32,820.13	0.82
Neconde Energy		Joint Venture (JV)	Onshore	9,523,544.62	26,091.90	0.65
TOTAL E&P		Joint Venture (JV)	Deep Offshore	36,831,187.62	100,907.36	2.53
CHEVRON NIGERIA LTD.		Joint Venture (JV)	Deep Offshore	66,868,153.37	183,200.42	4.60
BELEMA		Joint Venture (JV)	Onshore	2,943,843.25	8,065.32	0.20
TOTAL UPSTREAM (TUPNI)		Production Sharing Contract (PSC)	Deep Offshore	41,465,595.75	113,604.37	2.85
ADDAX EXPLORATION		Production Sharing Contract (PSC)	Deep Offshore	11,631,837.62	31,868.05	0.80
AGIP ENERGY & NATURAL RESOURCES (AENR)		Production Sharing Contract (PSC)	Deep Offshore	1,404,352.00	3,847.54	0.10
STAR DEEPWATER		Production Sharing Contract (PSC)	Deep Offshore	78,526,281.50	215,140.50	5.40
SHELL NIG. E&P CO. (SNEPCO)		Production Sharing Contract (PSC)	Deep Offshore	57,051,623.13	156,305.82	3.92
ESSO EXPLORATION		Production Sharing Contract (PSC)	Deep Offshore	32,802,753.10	89,870.56	2.26
NIGERIAN AGIP ENERGY (NAE)		Production Sharing Contract (PSC)	Deep Offshore	4,512,974.00	12,364.31	0.31
STERLING OIL EXP&ENERGY PROD. CO. LTD (SEEPCO)		Production Sharing Contract (PSC)	Onshore	12,227,183.25	33,499.13	0.84
ESSO EXPLORATION		Production Sharing Contract (PSC)	Deep Offshore	41,958,421.60	114,954.58	2.89
Total				1,454,338,855.13	3,984,490.00	100.0%

Table : Monthly Production (Provisional)

Month	Production (Bbls)	Average Daily Production (Bopd)
January	132,204,371.83	361214.13
Febuary	132,204,371.83	361214.13
March	132,204,371.83	361214.13
April	132,204,371.83	361214.13

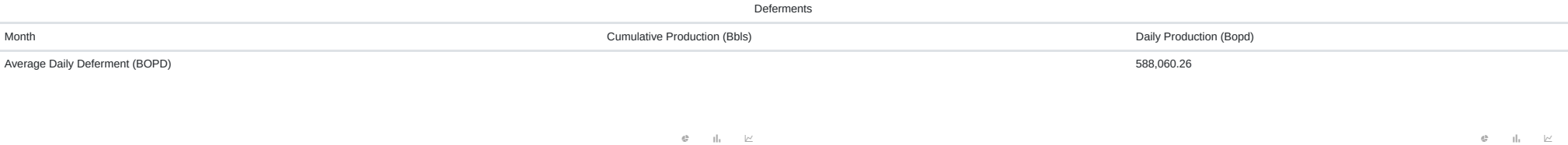
Month	Production (Bbls)	Average Daily Production (Bopd)
May	132,204,371.83	361214.13
June	132,204,371.83	361214.13
July	132,204,371.83	361214.13
August	132,204,371.83	361214.13
September	132,204,371.83	361214.13
October	132,204,371.83	361214.13
November	132,204,371.83	361214.13
December	132,204,371.83	361214.13
<b>Total Annual Production (Bbls)</b>	<b>1,586,452,461.96</b>	
<b>Average Annual Daily Production (bopd)</b>	<b>3,984,490.00</b>	

Table : Production by Contract

Contract Type	Production, Bbls	Average Production, Bopd	Production Percentage, %
Joint Venture, JV	1043569308.25	2859093.98	72%
Production Sharing Contract, PSC	281581021.95	771454.86	19%
Sole Risk, SR	50969631.35	139642.82	4%
Marginal Field Operators, MF	78218893.58	214298.34	5%
Service Contract	0	0	0%

Table : Summary of Production Deferments

Deferments		
Month	Cumulative Production (Bbls)	Daily Production (Bopd)
January	15153299	488816.10
February	13222648	426537.03
March	17783820	573671.61
April	16233565	541118.83
May	22983087	741389.90
June	20747027	691567.57
July	20914844	674672.39
August	15323713	494313.32
September	15880568	529352.27
October	16532450	533304.84
November	22175629	739187.63
December	19306541	622791.65
Total Deferment (BBLS)		7,056,723.14



**Table : Summary of Stabilized Crude / Condensates Volumes by Streams (Barrels)**

[illegible]

Stream/Blend	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Crude Oil										
Brass	0	0	47045801.00	45985280.00	38431091.00	31339246.00	36494930.00	39120881.00	32052323.00	32361561.00
BRT	0	0	0	0	0	0	0	0	0	0
Ebok	0	0	0	3055560.00	11116943.00	12845312.00	10159963.00	10254615.00	7868681.00	6656084.00
Ekanga Zaffiro	0	0	4500450.00	4500450.00	4512780.00	4104610.00	4073185.00	3700353.00	3258927.00	1897507.00
Erha	0	0	60729787.00	53063950.00	45680658.00	37657596.00	36159774.00	33469916.00	45757675.00	45145584.00
Escravos	0	0	95476023.00	90252503.00	82992947.00	75172726.00	70697665.00	62999068.00	59599265.00	61318649.00
Forcados	0	0	69232152.00	82774072.00	72439141.00	71000791.00	67932792.00	68782929.00	14160105.00	57617372.00
Ima	0	0	0	0	0	0	560856.00	516972.00	285237.00	0
Odudu	0	0	40847405.00	39554024.00	36765688.00	29478224.00	26197149.00	25029537.00	28117769.00	33473039.00
Okono	0	0	17544856.00	17263430.00	16348665.00	14904197.00	12794563.00	8459169.00	8350959.00	7855558.00
Okoro	0	0	5885411.00	5767803.00	6170120.00	6601054.00	6011655.00	4294703.00	3474331.00	3581709.00
Okwori	0	0	14387558.00	12819504.00	12094784.00	9532752.00	8204342.00	6521371.00	4682040.00	3597061.00
Oso Condensate	0	0	0	0	0	0	0	0	0	0
Otakipo Blend	0	0	0	0	0	0	0	0	2899345.00	1549326.00
Oyo	0	0	3216242.00	1349224.00	1009842.00	812467.00	421171.00	1777052.00	1992927.00	1959653.00
Pennington	0	0	11129213.00	10558221.00	9102862.00	7357435.00	5505439.00	4719541.00	5432225.00	6634572.00
QIT	0	0	0	0	29409511.00	39191544.00	44520502.00	39387436.00	37385444.00	0
Qua Iboe	0	0	126157671.00	128253257.00	128852443.00	130674938.00	134956728.00	126774069.00	79205809.00	82664458.00
Sea Eagle	0	0	29746886.00	23080837.00	21075517.00	15626909.00	7206421.00	14013061.00	10948405.00	9115405.00
Tulja	0	0	0	0	0	0	0	0	0	13290945.00
Ughelli Blend	0	0	0	0	0	41668.00	0	0	0	0
Ukpokiti	0	0	492411.00	386832.00	927491.00	756259.00	565887.00	334956.00	229576.00	2323880.00
Usan	0	0	0	1326212.00	1622834.00	2985561.00	4762983.00	6815676.00	7820692.00	35645714.00
Yoho	0	0	33368770.00	30371559.00	27685727.00	25141246.00	19315490.00	17345249.00	15849577.00	11639687.00
Sub Total	0.00	0.00	746,675,558.00	726,361,243.00	722,977,861.00	658,618,839.00	658,268,070.00	636,377,329.00	536,069,440.00	560,962,513.00
Daily Average	0.00	0.00	2,045,686.46	1,990,030.80	1,980,761.26	1,804,435.18	1,803,474.16	1,743,499.53	1,468,683.40	1,536,883.60
Condensate										
Field Condensate										
Agbami	0	0	87169459.00	88304428.00	85041559.00	84871128.00	87280118.00	85339585.00	83835468.00	85697436.00
Ajapa	0	0	0	0	0	0	0	0	135080.00	444885.00
Akpo	0	0	60210985.00	56482856.00	56651708.00	61102205.00	55311051.00	55503303.00	49847029.00	45145907.00
Escravos	0	0	1892148.00	4041513.00	5088278.00	4896351.00	6169358.00	10080271.00	3666394.00	5655185.00
Ima	0	0	537469.00	531515.00	246582.00	259429.00	312053.00	295976.00	367864.00	376748.00
Oso Condensate	0	0	5200300.00	4748331.00	0	0	0	0	0	0
Sub Total	0.00	0.00	155,010,361.00	154,108,643.00	147,028,127.00	151,129,113.00	149,072,580.00	151,219,135.00	137,851,835.00	137,320,161.00
Daily Average	0.00	0.00	424,685.92	422,215.46	402,816.79	414,052.36	408,418.03	414,299.00	377,676.26	376,219.62
Plant Condensate										
Bonny NLNG	0	0	10095699.00	13194065.00	13042415.00	9696678.00	11037805.00	10080271.00	9800933.00	11107378.00
BRT	0	0	3669899.00	2909182.00	2735997.00	3210878.00	3501352.00	3237235.00	3049758.00	2075512.00

Stream/Blend	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Crude Oil										
Sub Total	0.00	0.00	13,765,598.00	16,103,247.00	15,778,412.00	12,907,556.00	14,539,157.00	13,317,506.00	12,850,691.00	13,182,890.00
Daily Average	0.00	0.00	37,713.97	44,118.48	43,228.53	35,363.17	39,833.31	36,486.32	35,207.37	36,117.51
Sub Total - Condensate	0.00	0.00	168,775,959.00	170,211,890.00	162,806,539.00	164,036,669.00	163,611,737.00	164,536,641.00	150,702,526.00	150,503,051.00
Daily Average	0.00	0.00	462,399.89	466,333.95	446,045.31	449,415.53	448,251.33	450,785.32	412,883.63	412,337.13
Crude + Condensate										
Grand Total - Condensate	0.00	0.00	915,451,517.00	896,573,133.00	885,784,400.00	822,655,508.00	821,879,807.00	800,913,970.00	686,771,966.00	711,465,564.00
Daily Average	0.00	0.00	2,508,086.35	2,456,364.75	2,426,806.58	2,253,850.71	2,251,725.50	2,194,284.85	1,881,567.03	1,949,220.72

Figure  
: Stabilized Crude /Condensates Volumes

Table : Status Of Major Active Field Development / Crude Oil Handling Facilities Projects

#	Project	Company	Location	Addition (Mbopd)	Development	Completion Year	Status
1	EGINA OIL PROJECT	SOUTH ATLANTIC PETROLEUM LIMITED	OFFSHORE	200000	FPSO	2018	Installation/Construction
2	EGINA OIL PROJECT	SOUTH ATLANTIC PETROLEUM LIMITED	OFFSHORE	200000	FPSO	2018	Installation/Construction

Table : 2017 Gas Production Volumes (MMSCF)

Month	AG	NAG	Total Gas Produced
January	0	0	0
Febuary	0	0	0
march	0	0	0
april	0	0	0
may	0	0	0
June	0	0	0
July	0	0	0
August	0	0	0
September	0	0	0
October	0	0	0
November	0	0	0

Month	AG	NAG	Total Gas Produced
December	1701041508	1237008033	2938049541.00
<b>Total</b>	<b>1701041508</b>	<b>1237008033</b>	<b>2938049541</b>

**Table : Gas Production, Volumes in Mscf (Thousand Standard Cubic Feet)**

Year	AG	NAG	Total
2001	0	0	0
2002	0	0	0
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	1786512899	1025377681	2811890580.00
2014	1880374658	1168171828	3048546486.00
2015	1717673083	1285505977	3003179060.00
2016	1517667415	1194135621	2711803036.00
2017	1701041508	1237008033	2938049541.00



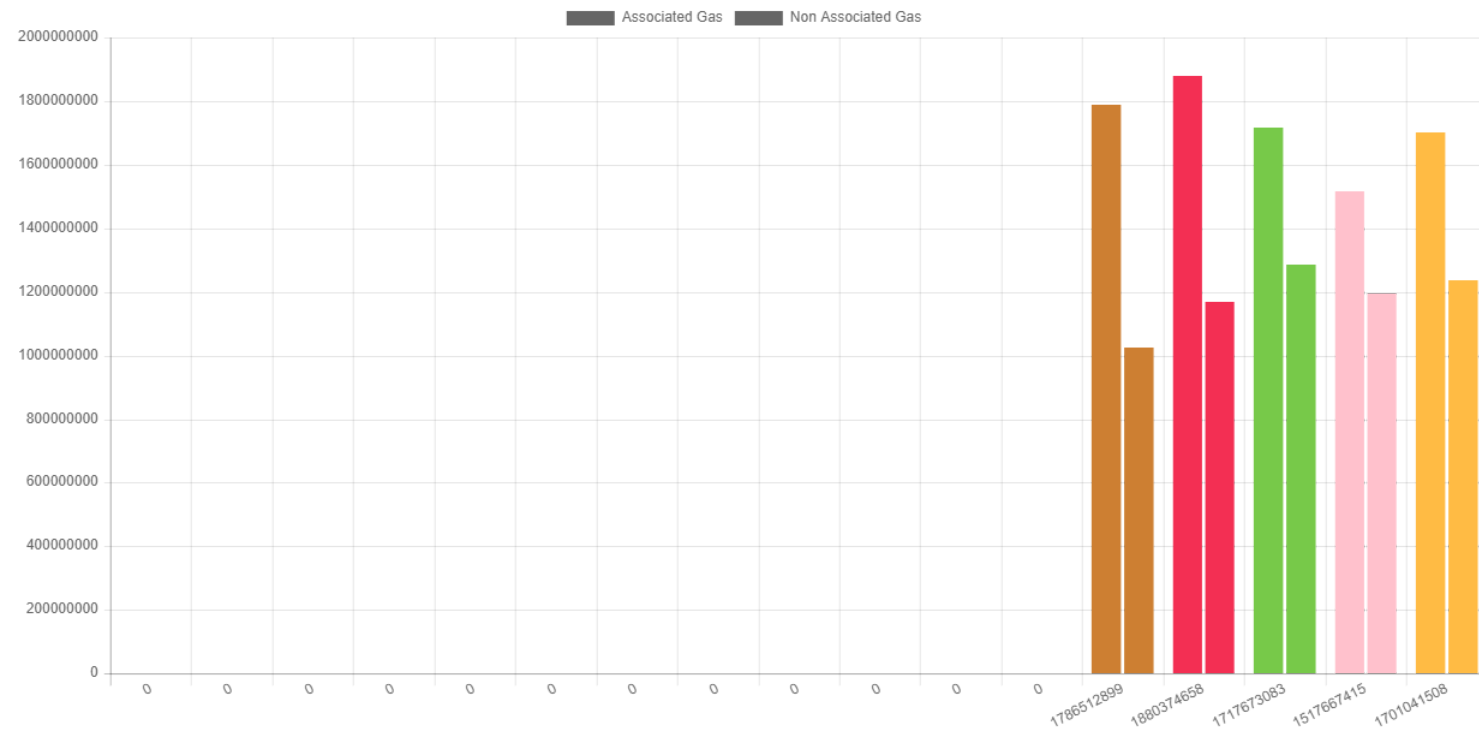


Figure  
: AG and NAG Production, 2001 - 2017

Table : Gas Utilization Profile for the year

Gas Utilization	Volume (MMscf)	Utilization Factor (%)
Fuel Gas	145952117	5.63
Gas Lift make-up	63231678	2.44
Gas Re-injection	707140079	27.27
NGL/LPG Feed Gas	48526918	1.87
Local Supply (Power)	37674639	1.45
Local Supply (Others)	392740173	15.15
Gas Export	1197455972	46.19
Total Gas Utilised	2592721576.00	100.00

Table : Gas Production and Utilization Summary

Month	Total Gas Produced	Total Gas Utilised	Total Gas Flared	% Flared
January	0	0	0	0
Febuary	0	0	0	0
march	0	0	0	0
april	0	0	0	0
may	0	0	0	0
June	0	0	0	0
July	0	0	0	0
August	0	0	0	0
September	0	0	0	0
October	0	0	0	0
November	0	0	0	0
December	2938049541.00	2592721576.00	351124274.00	2270.12

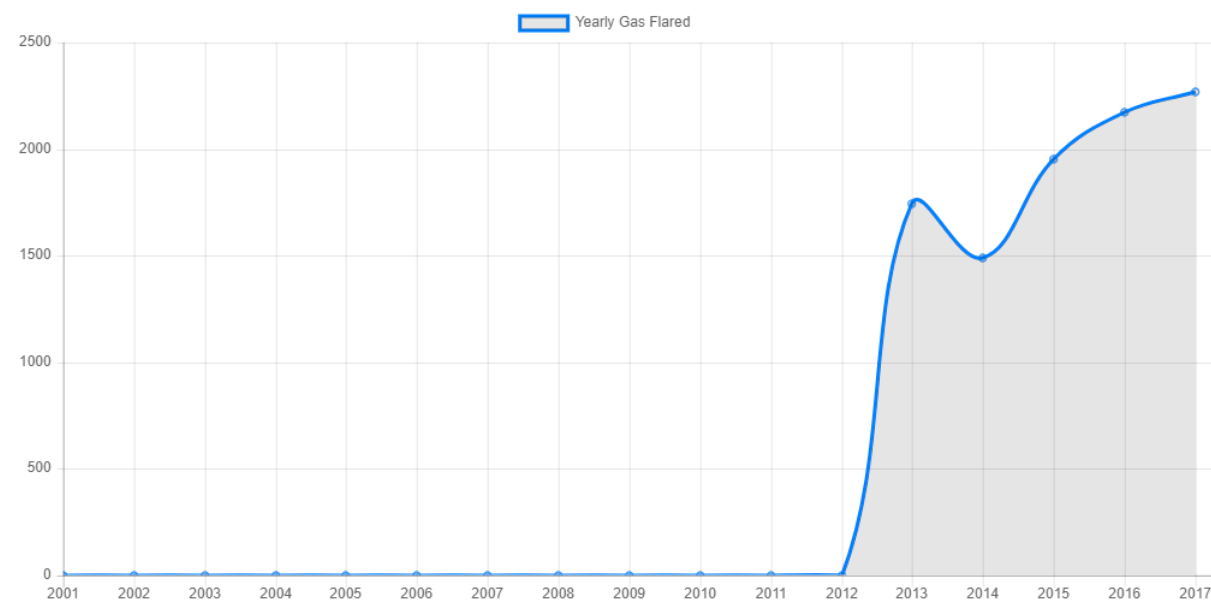


Figure  
: Routine Gas Flare Profile to 2017

Table : Flare Volume as a percentage of AG Production

Year	AG Produced Mscf	Total Gas Flared Mscf	% Flared
2001	0	0	0
2002	0	0	0

Flare Volume as a percentage of AG Production

Year	AG Produced Mscf	Total Gas Flared Mscf	% Flared
2003	0	0	0
2004	0	0	0
2005	0	0	0
2006	0	0	0
2007	0	0	0
2008	0	0	0
2009	0	0	0
2010	0	0	0
2011	0	0	0
2012	0	0	0
2013	1786512899	1063150566.00	1741.89
2014	1880374658	393748292.00	1490.44
2015	1717673083	357409003.00	1949.59
2016	1517667415	298447255.00	2170.14
2017	1701041508	351124274.00	2270.12

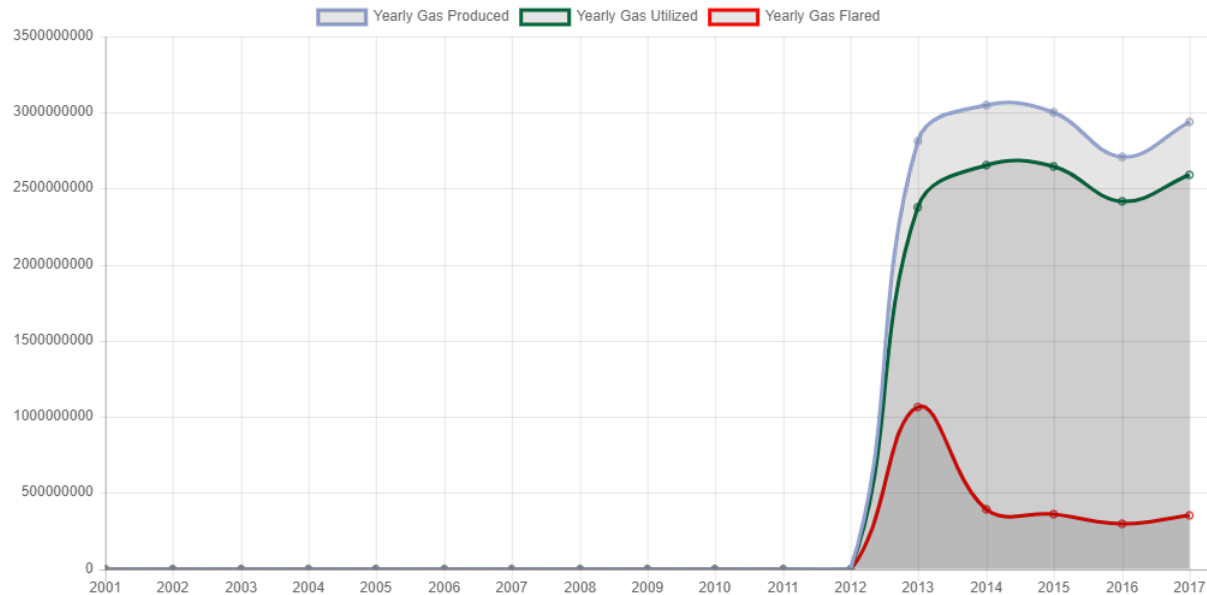
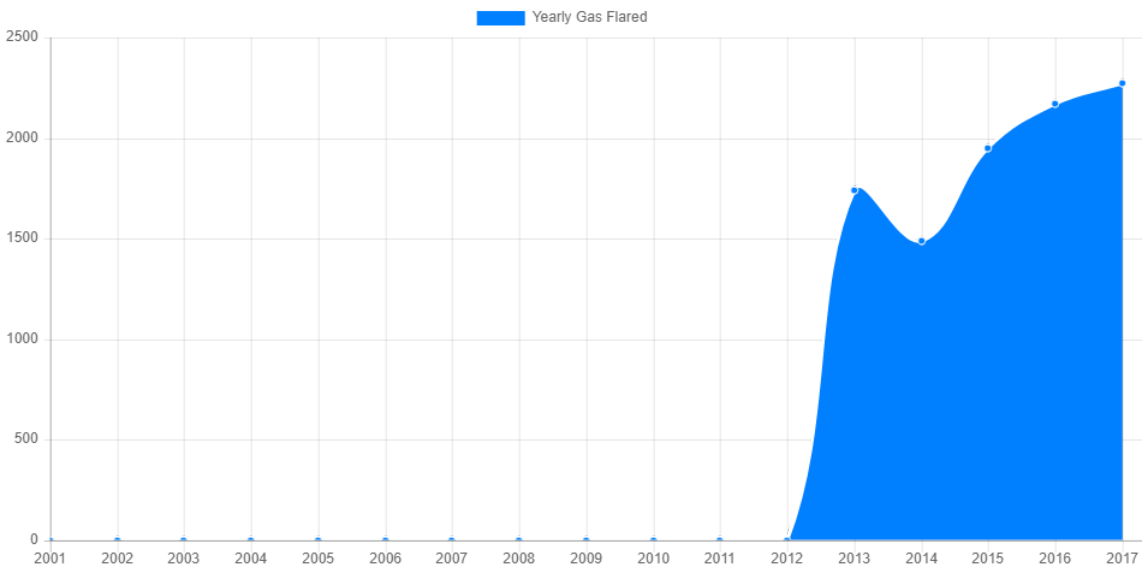


Figure  
Historical Gas Profile

Production								Sales						
Month	AG	NAG	Total	Fuel Gas	Gas Lift	Re-Injection	NGL-LPG	Gas To Nipp	Others	NLNG Export	Gas Util	% Util	Gas Flared	% Flared
January	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Febuary	0	0	0	0	0	0	0	0	0	0	0	0	0	0
march	0	0	0	0	0	0	0	0	0	0	0	0	0	0
april	0	0	0	0	0	0	0	0	0	0	0	0	0	0
may	0	0	0	0	0	0	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0	0	0	0	0	0	0
December	1701041508	1237008033	2938049541.00	145952117	63231678	707140079	48526918	37674639	392740173	1197455972	2592721576.00	1929.88	351124274.00	2270.12

Table : Summary of Gas Production and Utilization Volumes in Mscf (Thousand Standand Cubic Feet)

Gas Production								Sales					
Year	AG	NAG	Total	Fuel Gas	Gas Lift	Re-Injection	NGL-LPG	Domestic Sales	NLNG Export	Gas Util	% Util	Gas Flared	% Flared
2001	0	0	0	0	0	0	0	0	0	0	0	0	0
2002	0	0	0	0	0	0	0	0	0	0	0	0	0
2003	0	0	0	0	0	0	0	0	0	0	0	0	0
2004	0	0	0	0	0	0	0	0	0	0	0	0	0
2005	0	0	0	0	0	0	0	0	0	0	0	0	0
2006	0	0	0	0	0	0	0	0	0	0	0	0	0
2007	0	0	0	0	0	0	0	0	0	0	0	0	0
2008	0	0	0	0	0	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0	0	0	0	0	0
2013	1786512899	1025377681	2811890580.00	152012171	54180543	756379361	57974830	391435743	964809782	2376792430.00	1658.11	1063150566.00	1741.89
2014	1880374658	1168171828	3048546486.00	154037919	87221579	808503665	56785229	424738371	1123511431	2654798194.00	1809.56	393748292.00	1490.44
2015	1717673083	1285505977	3003179060.00	152798997	84209248	743028073	59775983	445121438	1160836318	2645770057.00	1950.41	357409003.00	1949.59
2016	1517667415	1194135621	2711803036.00	141604624	65534449	702858337	54386423	382226981	1066744967	2413355781.00	1929.86	298447255.00	2170.14
2017	1701041508	1237008033	2938049541.00	145952117	63231678	707140079	48526918	430414812	1197455972	2592721576.00	1929.88	351124274.00	2270.12

Table : Gas Production and Utilization by Company *volumes in Mscf (Thousand Standand Cubic Feet)*

Gas Produced								Gas Sold						
Company	AG	NAG	Total	Fuel Gas	Gas Lift	Re-Injection	NGL-LPG	Gas To Nipp	Others	NLNG Export	Gas Util	% Util	Gas Flared	% Flared
SHELL PETROL	46219889	668953156	715173045.00	11374473	5892991	0	0	22551192	7269603	642231303	689319562.00	96.39	25853483.00	3.61
SHELL NIG. E	45624287	0	45624287.00	3518118	0	0	0	0	0	35029952	38548070.00	84.49	7076217.00	15.51
CHEVRON NIGE	115335828	117586786	232922614.00	19439742	23917225	0	10677237	0	107778404	61029746	222842354.00	95.67	10080260.00	4.33
STAR DEEPWAT	149390060	0	149390060.00	6670932	0	105988832	0	0	0	0	112659764.00	75.41	36730296.00	24.59
MOBIL PRODUC	397548179	0	397548179.00	32907077	16253292	270120768	22288801	0	0	0	341569938.00	85.92	55978241.00	14.08
ESSO EXPLORA	175426866	0	175426866.00	12161782	2698650	141973174	496768	0	0	0	157330374.00	89.68	18096492.00	10.32
NIGERIA AGIP	109366075	203169629	312535704.00	30856523	612961	1401649	14699797	15123447	42428116	171268059	276390552.00	88.43	36145152.00	11.57
TOTAL E&P	162715345	97358666	260074011.00	12516671	0	90432004	0	0	0	144514411	247463086.00	95.15	12610925.00	4.85
TOTAL UPSTRE	211877000	0	211877000.00	6406000	0	77543000	0	0	0	125921000	209870000.00	99.05	2007000.00	0.95
AGIP ENERGY	1654319	0	1654319.00	109800	0	0	0	0	0	0	109800.00	6.64	1544519.00	93.36
NIGERIAN AGI	16170600	0	16170600.00	1567750	0	13126690	0	0	0	0	14694440.00	90.87	1476160.00	9.13
ADDAX EXPLOR	37099343	0	37099343.00	2410244	10620044	4273392	0	0	0	0	17303680.00	46.64	19795663.00	53.36
PANOCEAN OIL	5562591	0	5562591.00	137916	0	0	0	0	3276364	0	3414280.00	61.38	2148311.00	38.62
NPDC/ ND WES	128621081	0	128621081.00	1507248	0	0	0	0	90878200	0	92385448.00	71.83	36235633.00	28.17
AMNI INTERNA	7347070	0	7347070.00	153730	0	1880510	0	0	0	0	2034240.00	27.69	5312830.00	72.31
ATLAS PETROL	743850	0	743850.00	175700	0	0	0	0	0	0	175700.00	23.62	568150.00	76.38
MONI PULO LT	158422	0	158422.00	4425	0	0	0	0	0	0	4425.00	2.79	153997.00	97.21
NIGER DELTA	1010493	13317032	14327525.00	143770	0	0	0	0	272487	13754017	14170274.00	98.90	157251.00	1.10
CONTINENTAL	2118427	0	2118427.00	102427	0	0	0	0	0	0	102427.00	4.84	2016000.00	95.16
CONSOLIDATED	319770	0	319770.00	55821	0	0	0	0	0	0	55821.00	17.46	263949.00	82.54
EXPRESS PET	1156900	0	1156900.00	19500	0	0	0	0	0	0	19500.00	1.69	1137400.00	98.31
DUBRI OIL CO	2036334	0	2036334.00	25659	0	0	0	0	0	0	25659.00	1.26	2010675.00	98.74
PLATFORM PET	9339304	0	9339304.00	25185	0	0	0	0	1327508	0	1352693.00	14.48	7986611.00	85.52
WALTERSMITH	241313	231489	472802.00	0	372585	100217	0	0	0	0	472802.00	100.00	0.00	0.00
MIDWESTER OI	2169413	0	2169413.00	653	0	0	0	0	0	0	653.00	0.03	2168760.00	99.97
PILLAR OIL L	234050	0	234050.00	26135	0	0	0	0	0	0	26135.00	11.17	207915.00	88.83
ALLIED ENERG	2380230	0	2380230.00	19310	0	0	0	0	0	0	19310.00	0.81	2360920.00	99.19
ENERGIA LTD.	7610396	0	7610396.00	144479	0	0	364315	0	0	0	508794.00	6.69	7101602.00	93.31
BRITTANIA-U	316193	0	316193.00	253178	0	0	0	0	0	0	253178.00	80.07	63015.00	19.93
SEPLAT PRODU	14923620	87914790	102838410.00	362565	1284299	0	0	0	92810590	0	94457454.00	91.85	8380956.00	8.15
ORIENTAL ENE	2007497	0	2007497.00	564248	0	299843	0	0	0	0	864091.00	43.04	1143406.00	56.96
STERLING OIL	2141407	0	2141407.00	1215330	706071	0	0	0	0	0	1921401.00	89.73	220006.00	10.27
FRONTEIR OIL	53016	30583125	30636141.00	160632	0	0	0	0	30361321	0	30521953.00	99.63	114188.00	0.37
NEWCROSS E&P	5842046	0	5842046.00	45737	0	0	0	0	0	0	45737.00	0.78	5796309.00	99.22
PRIME EXPLOR	0	0	0.00	0	0	0	0	0	0	0	0.00	0.00	5796309.00	0.00
EROTON E&P C	11174264	17893360	29067624.00	423179	0	0	0	0	16337580	1752900	18513659.00	63.69	10553965.00	36.31
UNIVERSAL EN	634250	0	634250.00	3880	0	0	0	0	0	0	3880.00	0.61	630370.00	99.39

Gas Produced								Gas Sold						
Company	AG	NAG	Total	Fuel Gas	Gas Lift	Re-Injection	NGL-LPG	Gas To Nipp	Others	NLNG Export	Gas Util	% Util	Gas Flared	% Flared
AITEO E&P C	15060043	0	15060043.00	290893	0	0	0	0	0	1954584	2245477.00	14.91	12814566.00	85.09
NETWORK E&P	750076	0	750076.00	7300	0	0	0	0	0	0	7300.00	0.97	742776.00	99.03
BELEMA	4960814	0	4960814.00	144105	0	0	0	0	0	0	144105.00	2.90	4816709.00	97.10
YINKA FOLAWI	2044800	0	2044800.00	0	873560	0	0	0	0	0	873560.00	42.72	1171240.00	57.28
GREEN ENERG	1643920	0	1643920.00	0	0	0	0	0	0	0	0.00	0.00	1643920.00	100.00
EXCEL EXPLOR	12127	0	12127.00	0	0	0	0	0	0	0	0.00	0.00	12127.00	100.00

MIDSTREAM

Nigerian Crude / Condensate Export

Table : Summary of Crude / Condensate Export by Crude Stream 2017

Stream	January	February	March	April	May	June	July	August	September	October	November	December	Total
Abo	0.00	698558.00	0.00	695932.00	700010.00	0.00	696950.00	698765.00	0.00	399616.00	697945.00	379676.00	4967452.00
Aje	0.00	0.00	218934.00	0.00	0.00	0.00	230914.00	0.00	210079.00	0.00	162742.00	0.00	822669.00
Antan	948097.00	948528.00	996079.00	0.00	1297405.00	0.00	949041.00	996092.00	948575.00	0.00	1541828.00	0.00	8625645.00
Bonga	6139028.00	5733874.00	1091760.00	2799253.00	5685899.00	3795532.00	6539896.00	6185542.00	6117071.00	5727367.00	5825849.00	5730907.00	61371978.00
Bonny	2838157.00	3839776.00	4064026.00	4741749.00	4897003.00	2918545.00	3429489.00	4702294.00	4637666.00	2464428.00	5348625.00	4101609.00	47983367.00
Brass	1903578.00	2849386.00	1799366.00	2405649.00	3442631.00	2659525.00	2940088.00	2714482.00	3192545.00	2368456.00	2763279.00	2824570.00	31863555.00
Ebok	605101.00	608355.00	610627.00	601915.00	611439.00	636897.00	592870.00	622857.00	615589.00	630060.00	0.00	637295.00	6773005.00
Ekanga Zaffiro	0.00	0.00	0.00	996155.00	0.00	0.00	0.00	0.00	947469.00	0.00	0.00	0.00	1943624.00
Erha	3949293.00	3807247.00	4846031.00	3950248.00	3958918.00	3995490.00	4000705.00	3979990.00	3852073.00	3800003.00	2807931.00	1901782.00	44849711.00
Escravos	3795727.00	3776181.00	3774646.00	3536366.00	4719520.00	5236275.00	4714767.00	5885098.00	3783044.00	4735737.00	3767423.00	5925068.00	53649852.00
Forcados	0.00	0.00	0.00	0.00	2946835.00	6701070.00	8290774.00	7635014.00	7413499.00	6382194.00	7394572.00	5788269.00	52552227.00
Ima	0.00	0.00	0.00	119721.00	0.00	249712.00	0.00	230047.00	239820.00	219992.00	0.00	398952.00	1458244.00
Odudu	2897735.00	1901867.00	2993595.00	1947453.00	3846750.00	2896816.00	1946021.00	2994327.00	2897324.00	2896908.00	2896649.00	2946883.00	33062328.00
Okono	944648.00	900027.00	856968.00	42882.00	899680.00	900101.00	0.00	900141.00	900130.00	900028.00	0.00	1193112.00	8437717.00
Okoro	996906.00	0.00	0.00	999542.00	0.00	0.00	997128.00	0.00	0.00	996593.00	0.00	0.00	3990169.00
Okwori	0.00	648625.00	0.00	672825.00	0.00	0.00	673166.00	0.00	673016.00	0.00	648791.00	0.00	3316423.00
Oyo	0.00	332164.00	345949.00	0.00	0.00	351602.00	0.00	0.00	681648.00	0.00	0.00	384897.00	2096260.00
Pennington	0.00	964405.00	0.00	873446.00	0.00	995424.00	972246.00	0.00	1007233.00	0.00	1032431.00	0.00	5845185.00
Qua Iboe	7754724.00	4754703.00	6645179.00	8551496.00	6701924.00	6652606.00	6649288.00	5700759.00	8561093.00	5699881.00	6647318.00	7600447.00	81919418.00
Ukpokiti	947502.00	0.00	947102.00	948251.00	995247.00	0.00	1695163.00	199728.00	947057.00	946879.00	449421.00	1597431.00	9673781.00
	998186.00	678069.00	998160.00	997936.00	997965.00	1295699.00	997997.00	997869.00	1995987.00	997881.00	952863.00	1926382.00	13834994.00
Yoho	609485.00	0.00	195586.00	0.00	0.00	0.00	0.00	751002.00	387551.00	0.00	0.00	0.00	1943624.00
QIT	4045099.00	1995920.00	3996349.00	1997153.00	3998543.00	2999293.00	2985825.00	2997637.00	1904783.00	2946207.00	3047831.00	2997028.00	35911668.00
SEEPCO	313805.00	950574.00	1264638.00	323849.00	948303.00	950212.00	950064.00	950301.00	950136.00	1223725.00	1264051.00	1243743.00	11333401.00
Agbami	6551331.00	7700135.00	6817295.00	7794091.00	6816666.00	7794736.00	6821092.00	7745907.00	6799982.00	6791078.00	6745415.00	7257136.00	85634864.00

Stream	January	February	March	April	May	June	July	August	September	October	November	December	Total
Ajapa	0.00	0.00	0.00	0.00	0.00	651651.00	0.00	299738.00	0.00	94382.00	0.00	0.00	1045771.00
Akpo	3995887.00	4045040.00	3996958.00	2996909.00	5049667.00	2997490.00	5003004.00	2997917.00	3979542.00	3045623.00	2993273.00	3944352.00	45045662.00
Escravos	0.00	225504.00	483299.00	418281.00	466469.00	493908.00	55815.00	0.00	0.00	419028.00	472584.00	534161.00	3569049.00
Ima	0.00	0.00	0.00	119991.00	0.00	0.00	0.00	0.00	0.00	84927.00	0.00	0.00	204918.00
Seplat Blend	269709.00	243180.00	550125.00	539400.00	0.00	269686.00	269700.00	0.00	296256.00	0.00	0.00	0.00	2438056.00
Bonny	827224.00	566703.00	279634.00	826774.00	830496.00	818674.00	836861.00	1389512.00	264773.00	1123975.00	268666.00	524261.00	8557553.00
Sub-Total	52,508,741.00	49,068,594.00	48,928,150.00	51,175,968.00	61,011,975.00	57,409,183.00	64,412,221.00	62,785,298.00	65,217,914.00	55,970,909.00	58,775,339.00	60,640,768.00	674,722,170.00
Daily-Average	1,693,830.35	1,752,449.79	1,578,327.42	1,705,865.60	1,968,128.23	1,913,639.43	2,077,813.58	2,025,332.19	2,173,930.47	1,805,513.19	1,959,177.97	1,956,153.81	1,848,553.89

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Figure  
: Total Crude Export for 2017 in (Barrels)

Figure : Total Crude Export from 2017 to 2008 in (Barrels)

Table : Summary of Crude / Condensate Export

All Volumes in Barrels



Stream/Blend	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Crude Oil										
Abo	0	0	21318140.33	20002189.58	15944489.33	15282570.42	8298092.00	8184624.00	6981146.00	4967452.00
Agbami	0	0	166586874.42	169276417.75	163331331.75	162442052.08	86171532.00	85628159.00	84710980.00	0
Ajapa	0	0	0	0	0	0	0	0	128874.00	0
Aje	0	0	0	0	0	0	0	0	922703.00	822669.00
Akpo	0	0	115596022.00	109009199.58	110073938.58	116508499.08	51618224.00	55354492.00	50639254.00	0
Antan	0	0	36725681.25	27220440.58	35557547.67	38212238.33	18112986.00	14396706.00	12373609.00	8625645.00
Asaramaturu	0	0	0	0	0	0	544421.00	422934.00	301120.00	0
Bonga	0	0	124703019.58	98971116.00	123209330.58	97477888.92	58282931.00	69715081.00	74973146.00	61371978.00
Bonny	0	0	162404025.42	164128287.50	143067896.67	109218106.67	62613178.92	65601732.00	55981328.00	47983367.00
Brass	0	0	89714526.42	88783664.67	74626917.42	59161592.83	34880104.33	38946913.00	33148423.00	31863555.00
BRT	0	0	0	0	0	0	0	7422126.00	0	0
Ebok	0	0	0.00	5046368.67	21242738.67	25144067.67	9772103.00	10274484.00	7989189.00	6773005.00
Ekanga Zaffiro	0	0	0	0	0	0	3763224.00	3710955.00	3832897.00	1943624.00
Erha	0	0	117515483.17	100608549.25	88955505.33	70977428.83	35959867.00	33431160.00	45836394.00	44849711.00
Escravos	0	0	130031945.17	122682345.00	116650964.92	94675199.00	59259056.00	59054243.00	47153315.00	53649852.00
Forcados	0	0	127141182.50	143437203.83	133373791.50	126938069.50	66442803.00	69510040.00	15528254.00	52552227.00

Stream/Blend	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Crude Oil										
Ima	0	0	1125142.75	849367.00	691330.17	402158.83	231712.00	448182.00	242151.00	1458244.00
Koko Plant	0	0	243924796.08	244324835.08	248082260.75	249910300.75	123839746.75	125618831.00	0	0
Odudu	0	0	77966352.58	74998246.67	72528861.25	53821594.67	26478183.00	25321991.00	28414779.00	33062328.00
Okono	0	0	34598999.67	32681570.17	31874688.00	28426631.50	12053749.00	9296812.00	7694089.00	8437717.00
Okoro	0	0	11401726.75	10302800.17	12186406.25	12327886.92	5608008.00	4840795.00	2771027.00	3990169.00
Okwori	0	0	27705953.33	24750428.42	22555174.25	17360850.42	8460061.00	6859162.00	4588428.00	3316423.00
Oso Condensate	0	0	8825839.83	10320847.50	0	0.00	0.00	0	0	0
Oyo	0	0	6923226.17	2587605.42	0.00	1286506.92	5455256.00	1646071.00	1945602.00	2096260.00
Pennington	0	0	20788042.08	20635751.42	16852420.08	13208095.00	5834616.00	4939155.00	5822451.00	5845185.00
QIT	0	0	0.00	0.00	55473475.75	73518850.25	44518002.00	39729126.00	37297111.00	35911668.00
Qua Iboe	0	0	0	0	0	0	0	0	79949054.00	81919418.00
SEEPCO	0	0	63611368.33	58794656.58	53089878.42	47859164.75	18971337.00	17461456.00	16177350.00	11333401.00
Seplat Blend	0	0	0	0	0	0	0	0	0	0
Ukpokiti	0	0	0	0	0	0	0	13629727.00	11068954.00	9673781.00
Usan	0	0	0	0	0	0	0	0	8626355.00	0
Yoho	0	0	624923.42	566200.58	1542600.42	1882427.33	546255.00	0	402846.00	1943624.00
Grand Total	0.00	0.00	1,589,233,271.25	1,529,978,091.42	1,540,911,547.76	1,416,042,180.67	747,715,448.00	771,444,957.00	645,500,829.00	514,391,303.00
Daily Average	0.00	0.00	4,354,063.76	4,191,720.80	4,221,675.47	3,879,567.62	2,048,535.47	2,113,547.83	1,768,495.42	1,409,291.24

Table : 2017 Crude Export Destination Summary

All Volumes in



Stream	Africa	Asia	Australia	Europe	North America	South America
Abo	2,107,616.50	0.00	0.00	7,413,333.17	0.00	0.00
Agbami	3,735,054.33	75,669,679.92	0.00	14,766,611.42	42,860,981.08	16,804,812.00
Ajapa	180,898.83	0.00	0.00	1,248,997.75	0.00	0.00
Aje	0.00	0.00	0.00	442,585.17	0.00	0.00
Akpo	7,386,764.33	32,442,638.50	0.00	24,857,426.33	38,277,544.92	0.00
Antan	0.00	0.00	0.00	15,385,955.42	1,146,530.83	0.00
Bonga	15,245,939.08	16,363,543.58	0.00	48,321,863.42	24,713,101.33	1,818,966.50
Bonny	16,180,505.75	44,579,290.00	0.00	24,325,677.83	1,909,377.58	4,972,552.08
Brass	21,661,348.25	6,770,945.08	0.00	26,587,405.83	5,190,017.08	862,097.50
Ebok	0.00	0.00	0.00	9,471,630.00	3,509,962.92	0.00
Erha	42,885,196.25	15,001,161.58	0.00	18,875,149.33	1,914,870.75	1,824,923.50
Escravos	6,374,959.83	18,202,142.50	0.00	67,386,500.17	5,447,502.08	5,417,761.17
Forcados	11,105,822.17	12,894,919.33	0.00	52,232,612.83	15,988,210.42	7,463,873.75
Ima	0.00	0.00	0.00	392,759.50	0.00	0.00
Koko Plant	20,031,131.25	80,144,947.08	0.00	34,565,095.75	22,271,043.75	0.00





Figure  
2017 Crude Export by Destination

Streams	Agbami	Bonny	Escravos	Brass	Forcados	Qua Iboe	Akpo	Bonga
2008	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0

Streams	Agbami	Bonny	Escravos	Brass	Forcados	Qua Iboe	Akpo	Bonga
2010	0	0	0	0	0	0	0	0
2011	110.50	111.97	111.94	112.02	112.93	112.14	0.00	0.00
2012	110.71	112.84	113.10	112.82	114.21	113.21	0.00	0.00
2013	108.96	110.47	111.22	110.23	111.95	110.88	110.45	112.87
2014	99.36	100.70	100.66	99.84	101.35	100.80	99.37	101.13
2015	52.64	54.16	53.86	53.14	54.48	54.29	52.69	54.18
2016	44.50	45.23	44.86	44.84	44.54	45.49	44.48	45.06
2017	53.93	54.99	54.91	54.99	54.65	55.09	54.29	55.04

Figure  
: Average Price of Nigeria's Crude Quoted by Platts in USD

Refinery Activities

Table : Summary of Refineries					
Process Unit	KRPC	PHRC (New)	PHRC (Old)	WRPC	NDPR
Configuration	Conversion	Conversion	Hydroskimming	Conversion	Topping
Feedstock	Escravos, Ughelli blend, Basra, Urals	Bonny light	Bonny light	Escravos, Ughelli blend	Ogbelle
Products	Fuels, Petrochemicals, Base Oil	Fuels	Fuels	Fuels, Petrochemicals (Polypropylene & Carbon black)	Diesel
Crude distillation	110000	150000	60000	125000	1000
Condensate splitting	NA	NA	NA	NA	NA
Vacuum distillation	38200	54000	NA	40000	NA
Catalytic hydrotreating (desulphurization)	46300	33	14500	17000	NAP
of which: Naphtha	24000	33000	NA	NA	NAP
of which: Gasoline	NA	NA	NA	NA	NAP
of which: Gas oil/diesel	NA	NA	NA	NA	NAP
of which: Other	22	NA	15	17	NAP
Fluid catalytic cracking	21	40	NA	25	NAP
Hydrocracking	NAP	NAP	NAP	NAP	NAP
Cocking	NA	NA	NA	NA	NAP
Visbreaking	NA	NA	NA	NA	NAP
Catalytic reforming	17500	33000	6000	17000	NAP
Alkylation	6500	7200	NA	2500	NAP

Process Unit	KRPC	PHRC (New)	PHRC (Old)	WRPC	NDPR
Aromatics / Isomerization	NAP	3611	NA	NAP	NAP
Lubes	34470	NAP	NA	NAP	NAP
Asphalt	15800	NA	NA	NA	NAP
Hydrogen	NA	NA	NA	NA	NAP
MTBE	NA	NA	NA	NA	NAP
Propylene	NA	NA	NA	NA	NAP
LPG	NA	NA	NA	NA	NAP
Sulphur	NA	NA	NA	NA	NAP

Table : Refinery Performance (Capacity Utilisation), BPSD

	KRPC	PHRC (New)	PHRC (Old)	WRPC	NDPR	Total	Capacity Utilization %
Designed Capacity, BPSD	110000	150000	60000	125000	1000	446000	
Crude Oil Processed, BPSD	2007	0	0	0	0	0	0.00
	2008	0	0	0	0	0	0.00
	2009	0	0	0	0	0	0.00
	2010	0	0	0	0	0	0.00
	2011	0	0	0	0	0	0.00
	2012	0	0	0	0	0	0.00
	2013	0	0	0	0	0	0.00
	2014	0	0	0	0	0	0.00
	2015	0	0	0	0	0	0.00
	2016	0	0	0	0	0	0.00
	2017	0	0	0	0	0	0.00

Table : Refinery Performance (Capacity Utilisation), Percentage

Year	KRPC	PHRC (New)	PHRC (Old)	WRPC	NDPR	Total
2007	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2008	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2009	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2010	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2011	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2012	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2013	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

Year	KRPC	PHRC (New)	PHRC (Old)	WRPC	NDPR	Total
2014	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2015	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2016	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
2017	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%

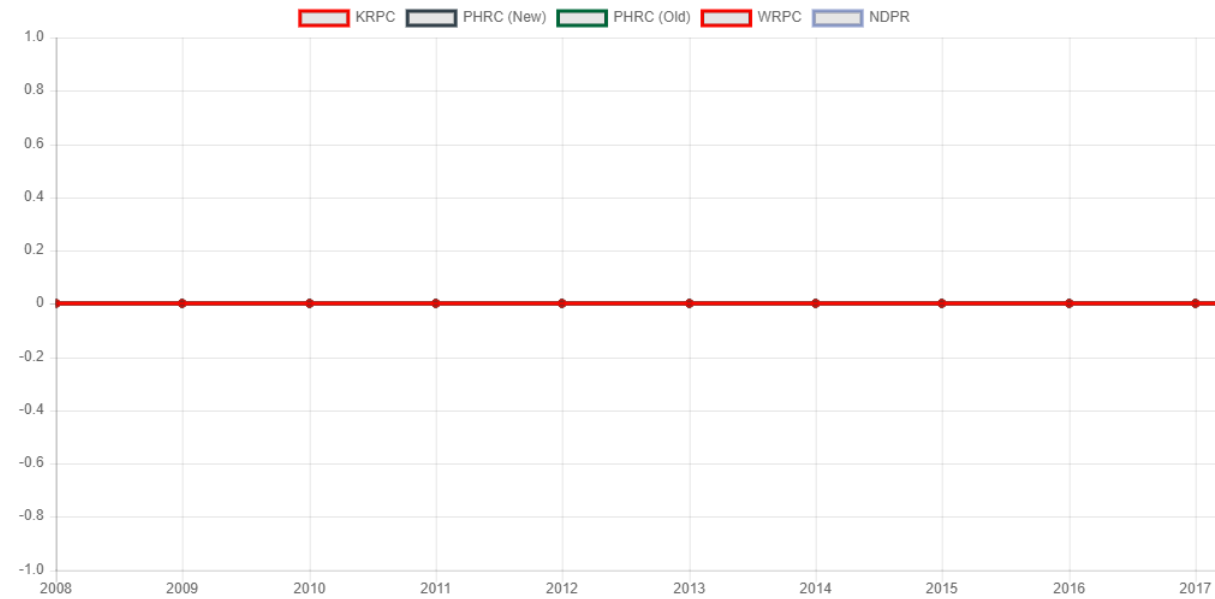


Figure  
: Local Refinery Capacity

Table : Status of Licensed Refinery Projects

#	Licensee	Project Type	Capacity (BSPD)	Location	License Granted	Commissioning Date	License Validity
1	PEAK PETROLEUM INDUSTRIES NIGERIA LIMITED	Conversion	456	BISENI Bayelsa	ATR	2019	Valid
2		Conversion	5000	KORONAMA Rivers	ATC	2019	Expired
3		Modular	3090	TAYLOR-CREEK Kogi	ATR	2020	Valid
4	SHELL PETROLEUM DEVELOPMENT CO.	Conversion	456	ABASERE Bauchi	ATC	2019	Valid
5		Modular	2100	OFURUMA Delta	LTE	2019	Expired
6		Modular	2100	OFURUMA Delta	LTE	2019	Expired
7	ORIENTAL ENERGY RESOURCES	Modular	3090	ABO Bauchi	ATC	2019	Expired
8		Conversion	5000	IYUNG Akwa-Ibom	ATR	2019	Valid

### Domestic Gas Supply

Table : Domestic Gas Supply Obligation for E&P Companies, MMSCF/day

Company / Gas Producers	2018	2019	2020	2021	2022	2023
Total Gas	0	0	0	0	0	0

Table : DGSO Allocation vs Supply Performance

Company	Supply Oblig (MMscf/d)	Ave Supply (MMscf/d)	% Performance	Remark
Total Gas		0	0	

Table : Summary of Domestic Gas Supply Obligation Performance (MMSCF/Day) from 2008 to 2017 *Volumes in MMscf/d*

Year	Perf	Total
2008	Oblication	0
2008	Supply	0
2008	% Perf	0
2009	Oblication	0
2009	Supply	0
2009	% Perf	0
2010	Oblication	0
2010	Supply	0
2010	% Perf	0
2011	Oblication	0
2011	Supply	0
2011	% Perf	0
2012	Oblication	0
2012	Supply	0
2012	% Perf	0
2013	Oblication	0
2013	Supply	0
2013	% Perf	0
2014	Oblication	0
2014	Supply	0
2014	% Perf	0
2015	Oblication	0
2015	Supply	0
2015	% Perf	0
2016	Oblication	0

Year	Perf	Total
2016	Supply	0
2016	% Perf	0
2017	Oblication	0
2017	Supply	0
2017	% Perf	0

Table : Approved Gas Supply Structure for the Textile Industry *volumes in Mscf (Thousand Standand Cubic Feet)*

Sector	2017	2018
Upstream EPP (\$/Mcf)	1.40	0.00
Midstream (\$/Mcf)	0.80	0.80
Downstream (\$/Mcf)	1.65	1.65
Total (\$/Mcf)	3.85	2.45

Gas Supply Infrastructures

Table : Summary of Major Gas Supply Facilities

Company	Facility	Facility Type	Location	Design Capacity <i>Mmsct/d</i>	Design Life	Date of Commissioning
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Table : Status of Major Midstream Gas Projects

Project Title	Company	Project Objective	Capacity <i>Mmsct/d</i>	Location	Expected Completion Date
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Petrochemicals

Table : Major Petrochemical Plants

State	Location	Ownership	Plant Type	Capacity <i>MTPA</i>	Feedstock	product
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Table : Major Petrochemical Plants Projects

State	Plant Location	Plant Name	Plant Type	Capacity by Unit	Output By Unit	Status	Start Year	Estimated Completion
Lagos	Ibeju Lekki	Dangote Refinery & Petrochemicals Co	Petrochemical plant lined up near the Refinery	1.3 Million MTPA	1.3 million MTPA	11	2015	2019

State	Plant Location	Plant Name	Plant Type	Capacity by Unit	Output By Unit	Status	Start Year	Estimated Completion
		Dangote Fertilizer Limited	Urea-based fertilizer plant	6,849.32 MTPD	2.5 million MTPA	12	2015	2018
		Quantum Methanol Limited	Methanol Plant	3,000 MTPD	3000 MTPD	10		
		Brass Fertilizer Co. Ltd	Methanol and Urea fertilizer plant	2.45 Million MTPA Urea, 1 Million MTPA Methanol	2.45 Million MTPA	11		
		Pamaque Nig. Ltd	Hydrocarbon Refrigerant from LPG	20MMscf/d hydrocarbon refridgerant	20MMscf/d	10		
		Uraga Methanol Limited, (Honeywell Group Ltd)	Methanol plant	1.2 milliom MTPA methanol for export	1.2 Million MTPA	10		

Lubricant Blending Plants

Table : Existing Blending Plants, their Locations and Total Capacities

Market Category	Company	Location	Storage Capacity <i>Litres</i>
	Subtotal		0
	Subtotal		0
	Grand Total		0

Figure  
: Licensed Base Oil Station Capacity

Table : Licences / Approvals / Permits Granted

NO TABLE STRUCTURE

#	Facility Type	Licences / Approvals / Permit Issued
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DOWNSTREAM

Summary of Refinery Products

Table : Refinery Production Volumes (Litres)

Month	Product	Warri, Delta State (WRPC)	Kaduna, Kaduna State (KRPC)	Eleme, River State (PHRC)	Niger Delta Pet Res	Old PHRC, Rivers State	Total, MT	Total, Ltrs
January	PMS	0	0	0	0	0	0	0
January	AGO	0	0	0	0	0	0	0
January	DPK	0	0	0	0	0	0	0
January	LPG	0	0	0	0	0	0	0
January	LPFO	0	0	0	0	0	0	0
February	PMS	0	0	0	0	0	0	0
February	AGO	0	0	0	0	0	0	0
February	DPK	0	0	0	0	0	0	0
February	LPG	0	0	0	0	0	0	0
February	LPFO	0	0	0	0	0	0	0
March	PMS	0	0	0	0	0	0	0
March	AGO	0	0	0	0	0	0	0
March	DPK	0	0	0	0	0	0	0
March	LPG	0	0	0	0	0	0	0
March	LPFO	0	0	0	0	0	0	0
April	PMS	0	0	0	0	0	0	0
April	AGO	0	0	0	0	0	0	0
April	DPK	0	0	0	0	0	0	0
April	LPG	0	0	0	0	0	0	0
April	LPFO	0	0	0	0	0	0	0
May	PMS	0	0	0	0	0	0	0
May	AGO	0	0	0	0	0	0	0
May	DPK	0	0	0	0	0	0	0
May	LPG	0	0	0	0	0	0	0
May	LPFO	0	0	0	0	0	0	0
June	PMS	0	0	0	0	0	0	0
June	AGO	0	0	0	0	0	0	0
June	DPK	0	0	0	0	0	0	0
June	LPG	0	0	0	0	0	0	0
June	LPFO	0	0	0	0	0	0	0
July	PMS	0	0	0	0	0	0	0
July	AGO	0	0	0	0	0	0	0
July	DPK	0	0	0	0	0	0	0
July	LPG	0	0	0	0	0	0	0



Month	Product	Warri, Delta State (WRPC)	Kaduna, Kaduna State (KRPC)	Eleme, River State (PHRC)	Niger Delta Pet Res	Old PHRC, Rivers State	Total, MT	Total, Ltrs
July	LPFO	0	0	0	0	0	0	0
August	PMS	0	0	0	0	0	0	0
August	AGO	0	0	0	0	0	0	0
August	DPK	0	0	0	0	0	0	0
August	LPG	0	0	0	0	0	0	0
August	LPFO	0	0	0	0	0	0	0
September	PMS	0	0	0	0	0	0	0
September	AGO	0	0	0	0	0	0	0
September	DPK	0	0	0	0	0	0	0
September	LPG	0	0	0	0	0	0	0
September	LPFO	0	0	0	0	0	0	0
October	PMS	0	0	0	0	0	0	0
October	AGO	0	0	0	0	0	0	0
October	DPK	0	0	0	0	0	0	0
October	LPG	0	0	0	0	0	0	0
October	LPFO	0	0	0	0	0	0	0
November	PMS	0	0	0	0	0	0	0
November	AGO	0	0	0	0	0	0	0
November	DPK	0	0	0	0	0	0	0
November	LPG	0	0	0	0	0	0	0
November	LPFO	0	0	0	0	0	0	0
December	PMS	0	0	0	0	0	0	0
December	AGO	0	0	0	0	0	0	0
December	DPK	0	0	0	0	0	0	0
December	LPG	0	0	0	0	0	0	0
December	LPFO	0	0	0	0	0	0	0
Total	PMS	0	0	0	0	0	0	0
Total	AGO	0	0	0	0	0	0	0
Total	DPK	0	0	0	0	0	0	0
Total	LPG	0	0	0	0	0	0	0
Total	LPFO	0	0	0	0	0	0	0

Table : Summary of Refinery Production Volumes (Litres)



Year	Product	Warri, Delta State (WRPC)	Kaduna, Kaduna State (KRPC)	Eleme, River State (PHRC)	Niger Delta Pet Res	Old PHRC, Rivers State	Total, MT	Total, Ltrs
2008	PMS	0	0	0	0	0	0	0
2008	AGO	0	0	0	0	0	0	0
2008	DPK	0	0	0	0	0	0	0
2008	LPG	0	0	0	0	0	0	0
2008	LPFO	0	0	0	0	0	0	0
2009	PMS	0	0	0	0	0	0	0
2009	AGO	0	0	0	0	0	0	0
2009	DPK	0	0	0	0	0	0	0
2009	LPG	0	0	0	0	0	0	0
2009	LPFO	0	0	0	0	0	0	0
2010	PMS	0	0	0	0	0	0	0
2010	AGO	0	0	0	0	0	0	0
2010	DPK	0	0	0	0	0	0	0
2010	LPG	0	0	0	0	0	0	0
2010	LPFO	0	0	0	0	0	0	0
2011	PMS	0	0	0	0	0	0	0
2011	AGO	0	0	0	0	0	0	0
2011	DPK	0	0	0	0	0	0	0
2011	LPG	0	0	0	0	0	0	0
2011	LPFO	0	0	0	0	0	0	0
2012	PMS	0	0	0	0	0	0	0
2012	AGO	0	0	0	0	0	0	0
2012	DPK	0	0	0	0	0	0	0
2012	LPG	0	0	0	0	0	0	0
2012	LPFO	0	0	0	0	0	0	0
2013	PMS	0	0	0	0	0	0	0
2013	AGO	0	0	0	0	0	0	0
2013	DPK	0	0	0	0	0	0	0
2013	LPG	0	0	0	0	0	0	0
2013	LPFO	0	0	0	0	0	0	0
2014	PMS	0	0	0	0	0	0	0
2014	AGO	0	0	0	0	0	0	0

Year	Product	Warri, Delta State (WRPC)	Kaduna, Kaduna State (KRPC)	Eleme, River State (PHRC)	Niger Delta Pet Res	Old PHRC, Rivers State	Total, MT	Total, Ltrs
2014	DPK	0	0	0	0	0	0	0
2014	LPG	0	0	0	0	0	0	0
2014	LPFO	0	0	0	0	0	0	0
2015	PMS	0	0	0	0	0	0	0
2015	AGO	0	0	0	0	0	0	0
2015	DPK	0	0	0	0	0	0	0
2015	LPG	0	0	0	0	0	0	0
2015	LPFO	0	0	0	0	0	0	0
2016	PMS	0	0	0	0	0	0	0
2016	AGO	0	0	0	0	0	0	0
2016	DPK	0	0	0	0	0	0	0
2016	LPG	0	0	0	0	0	0	0
2016	LPFO	0	0	0	0	0	0	0
2017	PMS	0	0	0	0	0	0	0
2017	AGO	0	0	0	0	0	0	0
2017	DPK	0	0	0	0	0	0	0
2017	LPG	0	0	0	0	0	0	0
2017	LPFO	0	0	0	0	0	0	0

Figure  
: Summary of Refinery Production Volumes

Table 65 : 2017 Petroleum Products Volumes as per Import Permits Issued (Metric Tonnes)

Months	PMS	AGO	DPK	ATK	LPFO	BASE OIL	BITUMEN
January	1245000.00	1225000.00	365000.00	307000.00	115000.00	35000.00	15000.00
Febuary	1678000.00	1975500.00	511000.00	321000.00	210000.00	150000.00	130000.00
march	1235000.00	1607500.00	265000.00	362000.00	35000.00	127000.00	69500.00
april	845000.00	971500.00	230000.00	260000.00	60000.00	110500.00	30000.00
may	1285000.00	1199000.00	251000.00	155000.00	35000.00	97000.00	119000.00
June	1780000.00	1520000.00	330000.00	455000.00	100000.00	180000.00	60000.00

Months	PMS	AGO	DPK	ATK	LPFO	BASE OIL	BITUMEN
July	850000.00	1135000.00	205000.00	375000.00	10000.00	85250.00	39000.00
August	1345000.00	1072500.00	250000.00	345000.00	65000.00	124000.00	108400.00
September	910000.00	852500.00	125000.00	215000.00	15000.00	170000.00	75000.00
October	840000.00	1147000.00	145000.00	327000.00	130000.00	56000.00	55500.00
November	1435000.00	1414500.00	527000.00	455000.00	40000.00	82560.00	110000.00
December	1090000.00	1038000.00	248500.00	178500.00	40000.00	35000.00	18200.00
Total	14538000	15158000	3452500	3755500	855000	1252310	829600

Petroleum Product Volumes

Figure  
: Petroleum Product Volumes

Table : Petroleum Products Volumes as per Import Permits Issued (Metric Tonnes)

Months	PMS	AGO	DPK	ATK	LPFO	BASE OIL	BITUMEN
2013	0	0	0	0	0	0	0
2014	10665337.00	14356908.00	705000.00	2623500.00	1640000.00	183.09	1105500.00
2015	10104300.00	14981597.00	1312000.00	3884500.00	2340800.00	1602680.00	952300.00
2016	14052500.00	20116000.00	3708500.00	3733000.00	1853000.00	1616450.00	665250.00
2017	14538000.00	15158000.00	3452500.00	3755500.00	855000.00	1252310.00	829600.00

Table : Approved Product Import (By Import Permits)

Products		MAJORS (MT)			DAPPMA (MT)			TRADERS (MT)			Total (MT)	
	2016	2017	% Diff	2016	2017	% Diff	2016	2017	% Diff	2016	2017	
PMS	0	0	0	0	0	0	14052500.00	14538000.00	3	14052500	14538000	
AGO	20116000.00	15158000.00	-25	0	0	0	0	0	0	20116000	15158000	
DPK	0	0	0	3708500.00	3452500.00	-7	0	0	0	3708500	3452500	
ATK	0	0	0	0	0	0	0	0	0	0	0	
LPFO	0	0	0	0	0	0	0	0	0	0	0	
BASE OIL	0	0	0	0	0	0	0	0	0	0	0	
BITUMEN	0	0	0	0	0	0	0	0	0	0	0	
Total	20,116,000.00	15,158,000.00	-148	3,708,500.00	3,452,500.00	-35	14,052,500.00	14,538,000.00	24	37,877,000.00	33,148,500.00	

Table : Summary of 2018 Petroleum Products Importation by Market Segment (Litres)



Months	PMS	AGO	DPK	ATK	LPG	LPFO	BASE OIL	BITUMEN
NNPC, Metric Tonnes								
January	0	0	0	0	0	0	0	0
Febuary	0	0	0	0	0	0	0	0
march	0	0	0	0	0	0	0	0
april	0	0	0	0	0	0	0	0
may	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Major Marketers, Metric Tonnes								
January	0	0	0	0	0	0	0	0
Febuary	0	0	0	0	0	0	0	0
march	0	0	0	0	0	0	0	0
april	0	0	0	0	0	0	0	0
may	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Independent Marketers, Metric Tonnes								
January	0	0	0	0	0	0	0	0
Febuary	0	0	0	0	0	0	0	0
march	0	0	0	0	0	0	0	0
april	0	0	0	0	0	0	0	0
may	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0

Months	PMS	AGO	DPK	ATK	LPG	LPFO	BASE OIL	BITUMEN
NNPC, Metric Tonnes								
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Total, Metric Tonnes								
January	0	0	0	0	0	0	0	0
Febuary	0	0	0	0	0	0	0	0
march	0	0	0	0	0	0	0	0
april	0	0	0	0	0	0	0	0
may	0	0	0	0	0	0	0	0
June	0	0	0	0	0	0	0	0
July	0	0	0	0	0	0	0	0
August	0	0	0	0	0	0	0	0
September	0	0	0	0	0	0	0	0
October	0	0	0	0	0	0	0	0
November	0	0	0	0	0	0	0	0
December	0	0	0	0	0	0	0	0
Total	0	0	0	0	0	0	0	0
Average Daily Import, Metric Tonnes								
January	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Febuary	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
march	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
april	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
may	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
June	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
July	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
August	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
September	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
October	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table : Summary of Petroleum Products Importation by Market Segment (Litres)



Market Segment	Product	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	Total, Metric Tonnes	Total, Litres
NNPC	PMS	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	AGO	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	DPK	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	ATK	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	LPG	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	LPFO	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	BASE OIL	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	BITUMEN	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Major Marketers	PMS	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	AGO	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	DPK	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	ATK	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	LPG	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	LPFO	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	BASE OIL	0	0	0	0	0	0	0	0	0	0	0.0	0.0
	BITUMEN	0	0	0	0	0	0	0	0	0	0	0.0	0.0
Independent Marketers	PMS	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	AGO	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	DPK	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	ATK	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	LPG	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	LPFO	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	BASE OIL	0	0	0	0	0	0	0	0	0	0	0.000	0.0
	BITUMEN	0	0	0	0	0	0	0	0	0	0	0.000	0.0

Petrol

Diesel

Kerosene

Aviation

Figure  
: Product Importation by Market Segment

#### 4.2.3 Petroleum Products Importation / Local Ptroduction

Petrol

Diesel

Kerosene

Figure  
: Product Local Production vs Import

Table : Summary of Petroleum Products Importation by Market Segment (Litres)

[illegible]

Independent Marketers, Litres



[illegible]

Months	PMS	AGO	DPK	ATK	LPG	LPFO	BASE OIL	BITUMEN
NNPC, Litres								
November	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
December	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table : Petroleum Products Import Summary, Litres

Year	PMS	AGO	DPK	ATK	LPG	LPFO	BASE OIL	BITUMEN
2008	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2009	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2010	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2011	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2012	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2013	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2014	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2015	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2016	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2017	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Table : Product Import: Number of Product Vessels

Field Office	PMS Import Vessels	DPK Import Vessels	AGO Import Vessels	ATK Import Vessels
Calabar	101	11	25	0
Eket	6	0	0	0
Lagos	449	24	212	63
Port-Harcourt	83	2	39	2
Umuahia	0	0	370	0
Warri	246	7	70	1
Total	885	44	716	66

Retail Outlets

Table : Retail outlets Summary - Filling Stations count

State	Independent	Major	NNPC - Franchise & Mega	Grand Total
Abia	38736300	38736300	38736300	116208900

State	Independent	Major	NNPC - Franchise & Mega	Grand Total
Adamawa	18545709	18545709	18545709	55637127
Akwa-Ibom	13642236	13354236	13066236	40062708
Anambra	14506236	14218236	13930236	42654708
Bauchi	15370236	15082236	14794236	45246708
Bayelsa	16234236	15946236	15658236	47838708
Benue	17098236	16810236	16522236	50430708
Borno	17962236	17674236	17386236	53022708
Cross River	18826236	18538236	18250236	55614708
Delta	19690236	19402236	19114236	58206708
Ebonyi	20554236	20266236	19978236	60798708
Edo	21418236	21130236	20842236	63390708
Ekiti	22282236	21994236	21706236	65982708
Enugu	23146236	22858236	22570236	68574708
FCT	24010236	23722236	23434236	71166708
Gombe	24874236	24586236	24298236	73758708
Imo	25738236	25450236	25162236	76350708
Jigawa	26602236	26314236	26026236	78942708
Kaduna	27466236	27178236	26890236	81534708
Kano	28330236	28042236	27754236	84126708
Katsina	29194236	28906236	28618236	86718708
Kebbi	30058236	29770236	29482236	89310708
Kogi	30922236	30634236	30346236	91902708
Kwara	31786236	31498236	31210236	94494708
Lagos	32650236	32362236	32074236	97086708
Nasarawa	33514236	33226236	32938236	99678708
Niger	34378236	34090236	33802236	102270708
Ogun	35242236	34954236	34666236	104862708
Ondo	36106236	35818236	35530236	107454708
Osun	36970236	36682236	36394236	110046708
Oyo	37834236	37546236	37258236	112638708
Plateau	38698236	38410236	38122236	115230708
Rivers	39562236	39274236	38986236	117822708
Sokoto	40426236	40138236	39850236	120414708
Taraba	41290236	41002236	40714236	123006708
Yobe	42154236	41866236	41578236	125598708
Zamfara	43018236	42730236	42442236	128190708
Total	1048840269	1038760269	1028680269	3116280807

All State Retail Outlets Count

Figure  
: Retail Outlets Count and Capacities (Litres)

Table : Petroluem Product Marketers total capacities

Marketers	PMS	DPK	AGO
Independent Marketers	360902535	343476842	344460892
Major Marketers	357542535	340116842	341100892
NNPC	354182535	336756842	337740892
Total	1072627605	1020350526	1023302676

Figure  
: Petroluem Product Marketers Total Capacities

Table : Storage capacities of retail outlets by State and Market Segment



Petroleum Products Average Pricing

Table : Petroleum Products Average Consumer Price Range (Naira per Litre)

Year	Market Segment	PMS	ago	DPK
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Figure  
: Petroleum Products Average Pricing

LPG Penetration

Table : LPG importation by Zone

PENDING TABLE			
Months	Lagos	Warri	Calabar

HEALTH, SAFETY AND ENVIRONMENT

Accident Report

Table : Accident Report – Industry-wide

Month	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
January	2	2	0	1	1	1	1	4
December	12	18	7	0	0	0	0	5

Table : Accident Report – Upstream

Month	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
January	2	2	0	1	1	1	1	4

Figure  
: Accident Report - Upstream

Table : Accident Report – Downstream

Month	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
December	12	18	7	0	0	0	0	5

Figure  
: Accident Report - Downstream

Table : Accident Report – Upstream

Year	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
2008	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	2	2	0	1	1	1	1	4

Table : Accident Report – Downstream

Year	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
2008	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0

Year	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	12	18	7	0	0	0	0	5

Figure  
: Downstream versus Upstream Incidents

Table : Accident Report – Industry-wide

Year	Incidents	Work Related	Non Work Related	Fatal Incident	Non Fatal Incident	Work Related Fatal Incident	Non Work Related Fatal Incident	Fatality
2008	0	0	0	0	0	0	0	0
2009	0	0	0	0	0	0	0	0
2010	0	0	0	0	0	0	0	0
2011	0	0	0	0	0	0	0	0
2012	0	0	0	0	0	0	0	0
2013	0	0	0	0	0	0	0	0
2014	0	0	0	0	0	0	0	0
2015	0	0	0	0	0	0	0	0
2016	0	0	0	0	0	0	0	0
2017	14	20	7	1	1	1	1	9

Figure  
: Accident Report – Industry-wide

Spill Incidence Report

Table : Spill Incidence Report



Month	Natural Accident	Corrosion	Equipment Failure	Sabotage	Human Error	YTBD	Mystery	Total Spill	Volume Spill
January	45	2	5	28	1	4	5	90	406.8230
February	33	2	3	13	1	8	6	67	1113.1800
March	47	1	1	28	1	9	7	94	85.0899
April	47	3	7	17	0	15	4	94	319.8450
May	56	2	5	20	3	23	4	115	1118.9100
June	41	3	8	15	0	15	0	82	644.7127
July	46	1	8	24	0	11	1	91	314.5060
August	53	2	1	25	0	25	0	106	340.5958
September	36	2	3	17	0	10	2	72	273.1263
October	40	2	5	20	0	11	2	80	2731.4430
November	79	8	6	48	0	13	4	158	1990.2990
December	46	3	5	28	0	9	1	92	379.6790
January	61	2	5	32	2	18	2	122	1681.1240
February	47	2	3	21	0	16	5	94	2914.2320
March	49	3	1	19	0	24	1	97	321.0500
April	64	3	1	22	0	33	3	127	139.6950
Total	790	41	67	377	8	244	47	1581	14774.3107

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Figure  
: Spill Incidents

Table : Spill Incidence Summary

Year	Number of Spills	Quantity Spilled (Br)
2008	0	0
2009	0	0
2010	0	0
2011	0	0
2012	0	0
2013	0	0
2014	0	0
2015	0	0

Year	Number of Spills	Quantity Spilled (Br)
2016	0	0
2017	1581	14774.3107

Table : Report on Produced Water Volumes Generated

Company	Facility	Concession	Water Depth (Ft)	Distance From Shore (Km)	Volume/Day (Bbl)
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Figure  
: Report on Produced Water Volumes Generated

Table : Drilling Waste Volumes

Month	Sum Of WBMC (Mt)	Sum Of OBMC (Mt)	Sum Of Spent WBM (Mt)	Sum Of Spent OBM (Mt)
Grand Total	0	0	0	0

Figure  
: Drilling Waste Volumes

Table : Accredited Waste Managers

Company	Type of Facility	Location Area	Operational Status
AFREN GLOBAL ENERGY RESOURCES LIMITED	TDU : TDU	Enugu	Operational

Table : Summary Of Waste Management Facilities

#	Type of Facility	Operational Permit
37	INCINERATOR	0
38	TDU	1
39	WBM	0

Table : Oil Spill Contingency Plan Activation Exercises

#	Location	Nos Of Companies For Oscp/Fi	Actual Nos Of Companies Audited
1	Lagos Depot	68	50
2	Enugu Depot	6	1
3	Delta Depot	7	3
4	Borno Depot	56	77
5	Bauchi Depot	70	67
6	Edo Depot	55	23
7	Benue Depot	44	31

Table : Number Of Petitions Received In

#	Category	CSR	Pollution	Compensation	Others (Disputes, Contractual Issues, Recognition As Host Community)
1					
2					
3					
4					
5					
6					
7					

Table : Request For Approvals – Chemicals

#	No. of Applications Received	Approved	Disapproved	Pending
1	98	57 Biocides: 12, Demulsifier-10, Cleaning/remediation- 13, Mud system- 9, Scale inhibitor-1, Corrosion Inhibitor-2, Oxygen scavenger-1, Cocktail- 1, Degreaser-1, Dispersant-1, Defoamer-1, Bioremediation-6	4	0

Table : Summary of Accredited Laboratories

Laboratory Service	Lagos Zone	Port Harcourt Zone	Warri Zone	Total
Environmental Quality Monitoring	13	22	8	43
Bio-Monitoring	11	10	1	22
Petroleum Product monitoring	13	7	4	24

Laboratory Service	Lagos Zone	Port Harcourt Zone	Warri Zone	Total
Geological	3	10	0	13
Material Safety Investigation	1	5	0	6
<b>Total</b>	<b>41</b>	<b>54</b>	<b>13</b>	<b>108</b>

Table : Summary of Drilling Chemicals

#	Drilling Fluid Type	Numbers
1	Water Base Mud	3

Table : Approved Production Chemicals Inventory

#	Production Chemicals	Numbers
1	Biocide	55

Table : Applications For Environmental Restoration Services

#	Service	Approval Status	Approval (New)	Approval (Renewal)	Total
1	Soil Remediation	Approved	17	14	31
2	Soil Remediation	Under Processing	14	1	15
3	Soil Remediation	Disapproved	23	2	25
4	Oil Spill Containment / Cleanup	Approved	63	54	117
5	Oil Spill Containment / Cleanup	Under Processing	13	6	19
6	Oil Spill Containment / Cleanup	Disapproved	14	6	20
7	Pit Backfilling / Land Reclamation	Approved	0	0	0
8	Pit Backfilling / Land Reclamation	Under Processing	0	0	0
9	Pit Backfilling / Land Reclamation	Disapproved	0	0	0
<b>Total</b>			<b>144</b>	<b>83</b>	<b>227</b>

Table : Environmental Studies

#	Type	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
1	ESR Approved	0	1	0	1	0	0	1	0	1	1	2	0	7

#	Type	Jan	Feb	March	April	May	June	July	Aug	Sept	Oct	Nov	Dec	Total
2	ESR Update Required	0	0	0	0	0	4	0	0	2	2	2	5	15
3	TOR - SOW Approved	1	3	11	6	6	10	12	4	1	8	5	8	75
4	TOW - SOW Update Required	1	3	1	0	1	3	3	6	4	6	4	2	34
5	PAIR Approved	0	2	1	1	1	0	1	0	2	0	3	1	12
6	PAIR Update Required	0	0	1	1	0	5	2	3	2	2	3	4	23
7	EIA Approved	2	6	4	2	3	5	7	0	0	10	4	5	48
8	EIA Update Required	1	0	3	6	1	2	2	7	1	4	1	4	32
9	EER- EES Approved	2	3	5	1	2	2	3	0	0	0	1	13	32
10	EER - EES Update Required	1	0	1	2	0	2	0	0	1	1	2	1	11
11	EMP Approved	0	1	0	0	0	0	0	0	0	0	0	0	1
12	EMP Update Required	0	0	1	0	0	1	0	0	0	0	0	0	2
13	BIO - MON Approved	0	0	0	0	2	0	0	0	0	0	0	0	2
14	BIO - MON Update Required	0	0	0	0	0	0	0	0	0	0	0	0	0
15	PIA Approved	1	1	0	0	0	0	0	0	0	0	0	0	2
16	PIA Update Required	0	0	0	0	0	0	0	0	0	0	0	0	0
17	PDSS Approved	0	0	0	0	1	1	0	0	0	0	0	0	2
18	PDSS Update Required	0	0	0	0	0	0	0	0	0	0	0	0	0
Total		9	20	28	20	17	35	31	20	14	34	27	43	298

Table : Offshore Safety Permit (OSP) Summary

Year	PERSONNEL REGISTERED	PERSONNEL CAPTURED	PERMITS ISSUED
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Figure  
: Offshore Safety Permit

Table : Approved Safety And Medical Emergency Training Centres

#	Company	Facility Location Address	Approved Courses
1	Tolmann Allied Services Company Limited	Plot 7b Trans Amadi Industrial Layout, Mothercat Junction (Opp. Anadrill), Port Harcourt	Basic Firefighting; Breathing Apparatus Course; Basic First Aid; Helicopter Landing Officer; Advanced First Aid; Helideck Team Member; Basic Offshore Safety Induction and Emergency Training; Emergency Response Course; Helicopter Underwater Escape Training; Confined Space Entry; Further Offshore Emergency Training; Swing Rope Transfer
2	Charkins Maritime Safety Training Center	KM 4, East West Road, Ozuoba, Port Harcourt	Basic Firefighting; Advanced Firefighting; Basic First Aid; Advanced first Aid; Basic Offshore Safety Induction and Emergency Training; Further Offshore Emergency Training; Compressed Air Emergency Breathing System; Well Control and Intervention; Helicopter Underwater Escape Training; Travel Safely by Boat; Minimum Industry Safety Training; Helicopter Team Member; Work at Height; Authorized Gas Tester; H2SAwareness/Confined Space Entry Rescue; Rigging & Banksman Slinging; Rig Safety Officer Training 1,2,3
3	Opeans Nigeria Limited	32 Jenny & Jessy Road, Off Peter Odili Road, Port Harcourt, Rivers State	Tropical Helicopter Underwater Escape Training; Breathing Apparatus Course; Tropical Basic Offshore Safety Induction and Emergency Training; Confined Space Entry; Basic Firefighting; Swing Rope/Basket Transfer; Basic First Aid; Advanced First Aid; Lifeguard/Offshore Rescue and Survival Techniques
4	Opeans Nigeria Limited	34 Opete Road, Off Okokutu Junction, Warri, Delta State	Helicopter Underwater Escape Training

#	Company	Facility Location Address	Approved Courses
5	Safety Center International Limited	Opposite Port Harcourt Int'l Airport Hotel, Port Harcourt, Rivers State	Basic Firefighting; Basic First Aid; Advanced Firefighting; Breathing Apparatus Course; Confined Space Entry; Health & Safety in Welding
6	JC International Limited	Plot 5 JC Street, Off Peter Odili Road, Port Harcourt, Rivers State	Rope Access; Lifting Operations Course; Drilling & Well Intervention; Confined Space Entry
7	Falck Prime Atlantic Limited	9 Younis Bashorun Street, Victoria Island Lagos	Basic Firefighting; Travel Safely by Boat; Advanced Firefighting; Travel Safely by Boat Further Training; Basic First Aid; Helicopter Landing Officer; Advanced First Aid; Helideck Assistant/Team Member; Helicopter Underwater Escape Training; Emergency Response Courses; Basic Offshore Safety Induction and Emergency Training; Rigging & Slinging; Further Offshore Emergency Training; Working at Heights; Confined Space Course (Entry/Exit & Search/Rescue); Breathing Apparatus Course
8	Blisstn Nigeria Limited	Block B, Plot 7, Eleko Beach Road, Lekki, Lagos State	Basic Firefighting; Tropical Further Offshore Emergency Training; Advanced Firefighting; Helicopter Landing Officer; Helicopter Underwater Escape; Training Emergency Response Courses; Tropical Basic Offshore Safety Induction and Emergency Training; Swing Rope Transfer
9	Lym Consults	Km 10 Sapele-Warri Express Road, Otomewo Community,Near Warri,Delta State	Basic Offshore Safety Induction and Emergency Training; Basic Firefighting; Basic First Aid; Helicopter Underwater Escape Training (HUET); Survival at Sea (SAS)
10	EMERGENCY RESPONSE SERVICES LIMITED	Off 394, Ikwere Road, Rumuokwuta, Port Harcourt, Rivers State	Basic Life Support (BLS), Advanced Cardiovascular Life Support (ACLS), Pediatric Advanced Life Support (PALS), Basic Emergency Response Training (Medical), Rig Medic
11	KAYGRILL SERVICES NIGERIA LIMITED	Eleme East West Road, Behind GVC Filing station, Okaken, Aleto Eleme,Port Harcourt, Rivers State	Advanced Fire Safety Training, Confined Space Entry Training, Emergency Response & Rescue Training.

REVENUE PERFORMANCE

Revenue

Table : Revenue Performance Summary

Year	Oil Royalty ₦	Gas Royalty ₦	Gas Flare Penalty ₦	Concession Rentals ₦	MOR ₦	Signatre Bonus ₦	Total Revenue ₦
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Figure : Actual Revenue Performance Summary Yearly

Figure : Actual Revenue Performance Summary Yearly

- AG - Associated Gas
- AGO - Automated Gas Oil
- AR2 - African Regional Line
- ATC-Approval to Construct
- BPSD – Barrel per Stream Day
- CB - Carbon Black
- DGSO - Domestic Gas Supply Obligation

DPK - Dual Purpose Kerosene

DPR - Department of Petroleum Resources

EGP – Escravos Gas Plant

EOR - Enhanced Oil Recovery

FCT - Federal Capital Territory

FPSO – Floating Production Storage and Offloading

IDSL –Integrated Data Services Limited

IO – Indigenous Operator

IOC- International Oil Company

JV - Joint Venture

KM - Kilometer

KRPC - Kaduna Refinery & Petrochemical Company

LAB - Linear Alkyl Benzene

LLDPE - Linear Low Density Polyethylene

MF - Marginal Field

MMbbls - Million barrels

MMSCFD - Million Standard Cubic Feet per Day

MT – Metric Tonnes

NAG – Non-Associated Gas

NAOC - Nigerian Agip Oil Company

NAPIMS - National Petroleum Investment Management Services

NDPR - Niger Delta Petroleum Resources

NDRC - Niger Delta Regional Data Compilation

NGC – Nigerian Gas Company

NGL - Natural Gas Liquid

NNPC - Nigerian National Petroleum Corporation

NPDC - Nigerian Petroleum Development Company

OBLG - Obligation

OML - Oil Mining Lease

OPEC – Organization of the Petroleum Exporting Countries

OPL - Oil Prospecting License

PE - Polyethylene

PERF - performance

PHRC - Port Harcourt Refining Company

PMS - Petroleum Motor Spirit

PP - Polypropylene

PPHP - Polypropylene Homo-Polymer

PPMC - Petroleum Product Marketing Company, a subsidiary of NNPC

PPT - Petroleum Profit Tax

PRF - Propylene-Rich Feed

PSC - Production Sharing Contract

SC - Service Contract

SPDC - Shell Petroleum Development Company

SQ KM - Square Kilometer

SR - Sole Risk

TA – Technology Adaptation

TCF – Trillion Cubic Feet

TQ – Technology Qualification

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The data and information published in this report are subject to ongoing review by DPR based on continuous reconciliation with various stakeholders. Therefore, reliance on data contained herein should be based on final confirmation by DPR.