

2016 Minerals Yearbook

ANGOLA

THE MINERAL INDUSTRY OF ANGOLA

By James J. Barry

The economy of Angola was largely dependent on world demand for the country's principal mineral export commodities, notably diamond and crude petroleum. In 2016, the country ranked sixth among the world's leading producers of diamond (Kimberley Process Certification Scheme, 2017). The legislative framework for the mineral sector in Angola is provided by law No. 31/11 and law No. 10/04. Data on mineral production are in table 1. Table 2 is a list of major mineral industry facilities. More-extensive coverage of the mineral industry of Angola can be found in previous editions

of the U.S. Geological Survey Minerals Yearbook, volume III, Area Reports—International—Africa, which are available at <https://www.usgs.gov/centers/nmic/africa-and-middle-east>.

Reference Cited

Kimberley Process Certification Scheme, 2017, Annual global summary—2016 production, imports, exports, and KPC counts: Kimberley Process Rough Diamond Statistics, June 5, 1 p. (Accessed December 22, 2017, at https://kimberleyprocessstatistics.org/static/pdfs/public_statistics/2016/2016GlobalSummary.pdf.)

TABLE 1
ANGOLA: PRODUCTION OF MINERAL COMMODITIES¹

(Metric tons, gross weight, unless otherwise specified)

Commodity ²	2012	2013	2014	2015	2016
INDUSTRIAL MINERALS					
Cement, hydraulic ^e thousand metric tons	3,000	4,000	5,100 ^r	5,200 ^r	5,000
Clay and shale, fuller's earth	35,492	98,084	98,000 ^e	98,000 ^e	98,000 ^e
Diamond, gem and industrial thousand carats	8,331	8,602	8,791	9,016	9,021
Gypsum	121,981	189,242	190,000	190,000	190,000
Lime	--	882,100	880,000 ^e	880,000 ^e	880,000 ^e
Salt ^e	40,000	40,000	40,000	48,000 ^r	43,000
Stone, sand, and gravel:					
Sand and gravel, construction:					
Gravel thousand metric tons	533	938	900 ^e	900 ^e	900 ^e
Sand do.	743	881	900 ^e	900 ^e	900 ^e
Silica, mine production:					
Quartz	12,400	9,500	9,500 ^e	9,500 ^e	9,500 ^e
Unspecified, for glass manufacturing	--	50,100	50,100 ^e	50,100 ^e	50,100 ^e
Stone, crushed:					
Granite	51,267	123,427	133,305	148,948 ^r	160,867
Limestone thousand metric tons	1,100	1,442	1,400 ^e	1,400 ^e	1,400 ^e
Marble	13,900	1,800	1,800 ^e	1,800 ^e	2,300 ^e
Unspecified thousand metric tons	1,770	4,266	4,300 ^e	4,300 ^e	5,400 ^e
MINERAL FUELS AND RELATED MATERIALS					
Petroleum:					
Crude thousand 42-gallon barrels	651,160	656,635	624,880	666,490	659,555
Refinery production do.	14,126 ^r	16,571 ^r	15,987 ^r	15,878 ^r	19,345

^eEstimated. ^rRevised. do. Ditto. -- Zero.

¹Table includes data available through December 11, 2017. All data are reported unless otherwise noted.

²In addition to the commodities listed, gold may have been produced in Angola, but available information was inadequate to make reliable estimates of output.

TABLE 2
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Cement		Companhia de Cimento do Lobito S.A. (TecnoSecil Investimentos e Participações SARL, 51%, and Government, 49%)	Lobito, Benguela Province	250,000.
Do.		Nova Cimangola S.A. (Government, 89%, and private investors, 11%)	Luanda	1,200,000; 540,000 clinker.
Do.		Cimenfort Industrial Lda	Catumbela, central Benguela Province	700,000.
Do.		China International Fund Luanda Cement Ltd.	Municipality of Bengo, southeast of Luanda	4,000,000; 3,600,000 clinker.
Do.		Fabrica de Cimento do Kwuanza Sul	Sumbe, Kwanza-Sul Province	1,400,000; 1,300,000 clinker.
Diamond	thousand carats	Associação em Participação Chitotolo [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 45%; ITM Mining Ltd., 40%; LUMANHE Lda., 15%]	Chitotolo alluvial mine, 95 kilometers southeast of Dundo, Lunda Norte Province	28.
Do.	do.	Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 51%; New Millenium Resources Ltd., 34%; Mombo Lda., 15%	Rio Lapi Mine, 45 kilometers northeast of Saurimo, Lunda Sul Province	240.
Do.	do.	Luó-Sociedade Mineira do Camatchia-Camagico [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA) and Espirito Santo Group]	Lunda Norte Province	18.
Do.	do.	Sociedade de Desenvolvimento Mineiro de Angola S.A.R.L. (SDM) [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 50%, and Odebrecht Mining Services Inc., 50%]	Luzamba alluvial mine, Cuango Valley, Lunda Norte Province	70.
Do.	do.	Sociedade Mineira de Catoca Lda. [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 32.8%; ALROSA S.A., 32.8%; Daumonty Financing Co. B.V., 18%; Odebrecht Mining Services Inc., 16.4%]	Catoca kimberlite mine, 36 kilometers south of Saurimo, Lunda Sul Province	6,500.
Do.	do.	Sociedade Mineira do Cuango [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 41%; ITM Mining Ltd., 38%; LUMANHE Lda., 21%]	Cuango alluvial mine, Cuango Valley, Lunda Norte Province	31.
Do.	do.	Sociedade Mineira do Lucapa Ltd. (SME) [Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 51%, and Sociadada Portuguesa de Empreendimentos, 49%]	Mufuto Norte alluvial mine	25.
Do.	do.	do.	Calonda alluvial mine, Lucapa, Lunda Norte Province	27.
Do.	do.	Sociedade Mineira Do Lulo (SML) [Lucapa Diamond Co. Ltd., 40%; Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 32%; Rosas e Petalas S.A., 28%]	Loulo alluvial mine, 150 kilometers east of Luanda Lunda Norte Province	10.
Do.	do.	Trans Hex Group Ltd., 32%, and Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 40%	Fucauma Mine, ¹ northeastern Angola	120.
Do.	do.	Trans Hex Group Ltd., 35%, and Empresa Nacional de Diamantes de Angola E.P. (ENDIAMA), 40%	Luarica Mine, ¹ northeastern Angola	90.
Do.	do.	Sociedade Mineira, S.A.—Angola (Kwanza) [Trans Hex Group Ltd., 33%; Empresa Nacional de de Diamantes de Angola E.P. (ENDIAMA), 39%; and domestic private investors, 28%]	Somiluana Mine, 1,000 kilometers northeast of Luanda, Lunda Norte Province	95.
Do.	do.	Artisanal miners	Lunda Norte, Lunda Sul, Moxico, Bie, and Malanje Provinces	NA.
Gypsum	thousand metric tons	Fábrica de Gesso do Sumbe	Gypsum plant, city of Sumbe, Cuanza Sul Province	200.

See footnotes at end of table.

TABLE 2—Continued
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Petroleum	thousand 42-gallon barrels per day	AP Moller-Maersk A/S, 50%; Occidental Petroleum Corp., 30%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Block 8, offshore	NA.
Do.	do.	AP Moller-Maersk A/S, 50%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; Devon Energy Corp., 15%; Odebrecht S.A., 15%	Block 16, offshore	NA.
Do.	do.	AP Moller-Maersk A/S, 50%; Occidental Petroleum Corp., 30%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Block 23, offshore	NA.
Do.	do.	BP p.l.c., 50%, and Sonangol-Sinopec International, 50%	Block 18, offshore	240.
Do.	do.	BP p.l.c., 26.67%; Exxon Mobil Corp., 25%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; Statoil ASA, 13.33%; Marathon Oil Corp., 10%; Total S.A., 5%	Block 31, offshore	150.
Do.	do.	Canadian Natural Resources, 100%	Block 4, Kiame field, offshore	NA.
Do.	do.	Chevron Corp., 31%; Eni S.p.A., 10%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 10%; Total S.A., 36.75%; Galp Energia, 4.5%	Block 14, offshore	100.
Do.	do.	China Petroleum and Chemical Corp., 40%; Petróleo Brasileiro S.A., 30%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; Falcon Oil Holding Angola S.A., 5%; Gema Group Angola, 5%	Block 18/06, offshore	NA.
Do.	do.	Eni S.p.A., 35%; Sonangol-Sinopec International, 20%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 15%; Total S.A., 15%; Falcon Oil Holding Angola S.A., 5%; Petróleo Brasileiro S.A., 5%; Statoil ASA, 5%	Block 15/06, offshore	NA.
Do.	do.	Eni S.p.A., 50%; Total S.A., 25%; Galp Energia, 10%; Ina-Industrija Nafta, 7.5%	Block 1, offshore	NA.
Do.	do.	Exxon Mobil Corp., 45%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; Total S.A., 15%; Falcon Oil Holding Angola S.A., 10%; Galp Energia, 5%; Naphta-Israel Petroleum Corp. Ltd., 5%	Block 33, offshore	NA.
Do.	do.	Exxon Mobil Corp., 40%; BP p.l.c., 26.67%; Eni S.p.A., 20%; Statoil ASA, 13.33%	Block 15, offshore	700.
Do.	do.	Petróleo Brasileiro S.A., 80%, and Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Block 26, offshore	NA.
Do.	do.	Petróleos Brasileiros S.A., 40%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; InterOil Exploration & Production ASA, 20%; Falcon Oil Holding Angola S.A., 10%; Initial Oil, 10%	Block 6, offshore	NA.
Do.	do.	Roc Oil Co. Ltd., 60%; Force Petroleum Group Ltd., 20%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Cabinda South, onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 100%	Area A (Kwanza), onshore	NA.
Do.	do.	do.	Block 3, Canuka field, offshore	NA.
Do.	do.	do.	Block 4, Kiabo field, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 83.6%, and Chevron Corp., 16.4%	Area B (Soyo), onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 41%; Chevron Corp., 39.2%; Total S.A., 10%; Eni S.p.A., 9.8%	Block 0, offshore Cabinda	340.

See footnotes at end of table.

TABLE 2—Continued
ANGOLA: STRUCTURE OF THE MINERAL INDUSTRY IN 2016

(Metric tons unless otherwise specified)

Commodity		Major operating companies and major equity owners	Location of main facilities	Annual capacity ^e
Petroleum— Continued	thousand 42-gallon barrels per day	Sociedade Nacional de Combustíveis de Angola (Sonangol), 52.5%; Petróleo Brasileiro S.A., 27.5%; Chevron Corp., 20%	Block 2/85, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 70%, and Sociedade Petrolífera Angolana, 30%	Block 2/05, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola, (Sonangol), 90%, and Sociedade Petrolífera Angolana, 15%	Block 3/05, Bufalo, Impala, Impala SE Pacassa, and Palanca fields, offshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 51%; Soco Cabinda Lda., 17%; Teikoku Oil Co., 17%; Angola Consulting Resources, 15%	Cabinda North, onshore	NA.
Do.	do.	Sociedade Nacional de Combustíveis de Angola (Sonangol), 50%; Statoil ASA, 20%; Angola Consulting Resources, 15%; Sociedade Petrolífera Angolana, 15%	Block 4/05, Gimboa field, offshore	60.
Do.	do.	Statoil ASA, 50%; Petróleo Brasileiro S.A., 30%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Block 34, offshore	NA.
Do.	do.	Total S.A., 50%; Eni S.p.A., 15%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 6.25%	Block 3/91, Oombo field, offshore	NA.
Do.	do.	Total S.A., 50%; Eni S.p.A., 15%; Sociedade Nacional Combustíveis de Angola (Sonangol), 6.25%; Ajoco Exploration Company Ltd., 12.5%; Ina-Industrija Nafte, 5%	Block 3/85, Cobo and Pambe fields, offshore	NA.
Do.	do.	Total S.A., 30%; Marathon Oil Corp., 30%; Sociedade de Combustíveis de Angola (Sonangol), 20%; Exxon Mobil Corp., 15%; Galp Energía, 5%	Block 32, offshore	NA.
Do.	do.	Total S.A., 30%; Sociedade Nacional de Combustíveis de Angola (Sonangol) 30%; Sonangol-Sinopec International, 27.5%; Angola Consulting Resources, 5%; Falcon Oil Holding Angola, S.A., 5%; Partex (Angola) Corp., 2.5%	Block 17/06, offshore	NA.
Do.	do.	Total S.A., 40%; Statoil ASA, 23.33%; Exxon Mobil Corp., 20%; BP p.l.c., 16.67%	Block 17, offshore	700.
Do.	do.	Tullow Oil plc., 50%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%; Prodoil SARL, 20%; Force Petroleum Group Ltd., 10%	Block 1/06, offshore	NA.
Do.	do.	Vaalco Energy Inc., 40%; InterOil Exploration & Production ASA, 40%; Sociedade Nacional de Combustíveis de Angola (Sonangol), 20%	Block 5, offshore	NA.
Petroleum refinery products	do.	Luanda refinery	Petroleum refinery, Luanda	23,700.
Stone, granite	cubic meters	Angostone	Lubango, Huila Province	14,000.
Do.	do.	Coreangol	Nzeto municipality, Zaire Province	35,000.
Do.	do.	Emanha	Lubango, Huila Province	80,000.
Do.	do.	Rodang	do.	6,300.
Do.	do.	Metarochas	do.	2,200.

^eEstimated. Do., do. Ditto. NA Not available.

¹On care-and-maintenance status.