

Oil and natural gas extraction data

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Richard Heede
Climate Mitigation Services
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Egyptian General Petroleum Corp., Egypt

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

www.egpc.com.eg

Cairo

Production / Extraction data

Year	Crude Oil & NGL			Natural Gas			Other data	
	Net production	Net production	Net production	Net production	Net production	Net production	Gross production	Gross production
	Thousand bbl /d	Million bbl /yr	Million bbl /yr		Billion cf/yr	Billion cf/yr	Million bbl /yr	Bcf/yr
	EGPC			EGPC & EGAS				
1950								
1951								
1952								
1953								
1954								
1955								
1956								
1957								
1958								
1959								
1960								
1961								
1962								
1963								
1964								
1965								
1966								
1967								
1968								
1969								
1970	326	119	12	37	3	0.3		
1971	293	107	11	31	3	0.3		
1972	231	85	8	23	3	0.3		
1973	165	61	6	31	3	0.3		
1974	150	55	6	50	2	0.2		
1975	235	86	9	51	2	0.2		
1976	330	122	62	72	13	7		
1977	415	156	79	interpolated	18	9		
1978	485	183	93	interpolated	22	11		
1979	525	198	101	interpolated	26	13		
1980	612	223	114		30	15		
1981	615	224	114		50	26		
1982	690	252	128		94	48		
1983	752	274	140		113	58		
1984	847	309	158		143	73		
1985	914	334	170		175	89		
1986	837	306	156		200	102	OGJ100	OGJ100
1987	921	336	171		222	113	no data	no data
1988	883	322	164		244	125	no data	no data
1989	910	332	169		273	139	no data	no data
1990	913	333	170		286	146	no data	no data
1991	919	335	171		321	164	no data	no data
1992	895	327	167		349	178	no data	no data
1993	908	331	169		399	203	no data	no data
1994	914	334	170		423	216	no data	no data
1995	939	343	175		439	224	no data	no data
1996	943	344	175		473	241	358	550
1997	879	321	164		477	243	319	484
1998	858	313	160		485	247	295	480
1999	882	322	164		518	264	311	476
2000	803	293	150		646	330	297	471
2001	758	277	141		867	442	276	471
2002	751	274	140		883	450	274	527
2003	750	274	140		1,058	540	274	501
2004	708	258	132		1,150	586	259	498
2005	690	252	128		1,501	765	254	483
2006	686	250	128		1,596	814	244	484
2007	679	248	126		1,642	837	233	493
2008	709	259	132		2,083	1,062	248	510
2009	732	267	136		2,214	1,129	232	527
2010	720	263	134		2,166	1,105	270	512
Total	na	10,770	5,091	na	10,413	11,017	3,640	6,425

OGJ prod'n data may be in error:
EGPC exceeds total Egyptian oil prod in many years

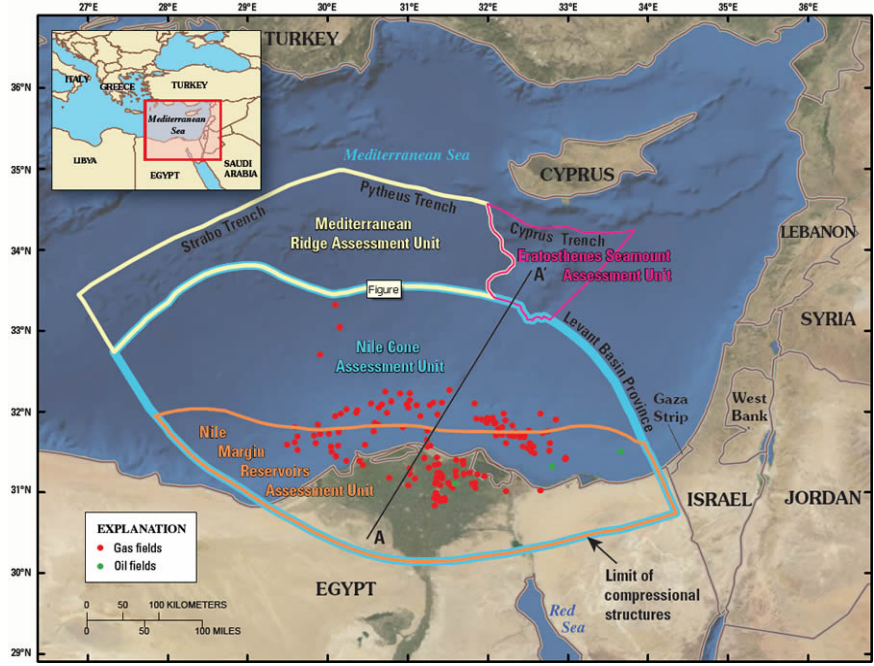


Total Egypt	US BuMines 59-69	Attributed to EGPC	
US EIA 1970-10	Percent of Egypt		
million bbl /yr	million bbl /yr		
21	2	10%	
24	2	10%	
26	3	10%	
32	3	10%	
39	4	10%	
44	4	10%	
46	5	10%	
44	4	10%	
40	4	10%	
62	6	10%	
90	9	10%	
326	119	12	10%
293	107	11	10%
231	85	8	10%
165	61	6	10%
150	55	6	10%
235	86	9	10%
330	122	62	51%
415	156	79	51%
485	183	93	51%
525	198	101	51%
612	223	114	51%
615	224	114	51%
690	252	128	51%
752	274	140	51%
847	309	158	51%
914	334	170	51%
837	306	156	51%
921	336	171	51%
883	322	164	51%
910	332	169	51%
913	333	170	51%
919	335	171	51%
895	327	167	51%
908	331	169	51%
914	334	170	51%
939	343	175	51%
943	344	175	51%
879	321	164	51%
858	313	160	51%
882	322	164	51%
803	293	150	51%
758	277	141	51%
751	274	140	51%
750	274	140	51%
708	258	132	51%
690	252	128	51%
686	250	128	51%
679	248	126	51%
709	259	132	51%
732	267	136	51%
720	263	134	51%

Egypt

US Energy Information Administration, International Energy Statistics										
www.eia.gov/emeu/internationalenergy.html										
Vented & Flared of										
	Egypt	Egypt	Updated April 2013							
	Crude oil, condensate, & NGPL k bbl per day	million bbl per yr	Gross NatGas Prod Bcf per year	Prod Market Gas Bcf per year	Reinjected NatGas Bcf per year	gross %	Vented & Flared Bcf per year	Dry NatGas Prod Bcf per year	Egypt	
80										
81										
82										
83										
84										
85										
86										
87										
88	1980	612	223	NA	NA	NA			30	
89	1981	615	224	NA	NA	NA			50	
90	1982	690	252	NA	NA	NA			94	
91	1983	752	274	NA	NA	NA	26		113	
92	1984	847	309	NA	NA	NA	19		143	
93	1985	914	334	NA	NA	NA	29		175	
94	1986	837	306	NA	NA	NA	33		200	
95	1987	921	336	NA	NA	NA	18		222	
96	1988	883	322	NA	NA	NA	7		244	
97	1989	910	332	NA	NA	NA	7		273	
98	1990	913	333	402	286	35	10%	42	286	
99	1991	919	335	478	359	36	17%	83	321	
100	1992	895	327	479	364	35	17%	80	349	
101	1993	908	331	527	446	35	9%	46	399	
102	1994	914	334	549	471	35	8%	42	423	
103	1995	939	343	563	487	35	7%	41	439	
104	1996	943	344	631	559	34	6%	39	473	
105	1997	879	321	641	571	33	6%	37	477	
106	1998	858	313	645	580	32	5%	32	485	
107	1999	882	322	694	629	32	5%	32	518	
108	2000	803	293	860	802	28	4%	30	646	
109	2001	758	277	1,063	1,008	25	3%	30	867	
110	2002	751	274	1,107	1,049	28	3%	30	883	
111	2003	750	274	1,216	1,157	28	2%	30	1,058	
112	2004	708	258	1,296	1,247	21	2%	28	1,150	
113	2005	690	252	1,660	1,610	21	2%	28	1,501	
114	2006	686	250	1,776	1,713	35	2%	28	1,596	
115	2007	679	248	1,872	1,771	71	2%	30	1,642	
116	2008	709	259	2,312	2,211	71	1%	30	2,083	
117	2009	732	267	2,443	2,343	71	1%	30	2,214	
118	2010	720	263	2,369	2,284	64	1%	21	2,166	
119	2011	728	266	2,363	2,280	62	1%	21	2,163	
120	2012	723	264							
121				1990-2011 totals	25,946	24,227	867	3.1%	813	22,140

	EIA NGL (k bbl) added crude oil
134	
135	
136	1
137	1
138	1
139	1
140	1
141	1
142	3
143	12
144	17
145	17
146	17
147	17
148	20
149	25
150	25
151	27
152	24
153	25
154	35
155	45
156	40
157	45
158	45
159	45



U.S. Geological Survey (2010) Undiscovered Oil and Gas of the Nile Delta Basin, Eastern Mediterranean, USGS fact sheet 2010-3027.

Egypt

Cell: J9

Comment: Rick Heede:

Egyptian General Petroleum Corporation (EGPC) Economic organization belongs to the ministry of petroleum, General organization for petroleum affairs has been established under law no. 135 of 1956 amended by law no. 167 of 1958, EGPC established under law no. 20 of 1976. EGPC managing the exploration and production operations in its affiliated 93 joint venture companies representing 28 different nationalities , including several major international companies. www.egpc.com.eg/index.html (15 Nov 2011).

Cell: M9

Comment: Rick Heede:

World Bank, 2008b, page 422: "EGPC was incorporated in Egypt according to the Law no. 135 of 1956 under the name of "The General Corporation of Petroleum Affairs. EGPC Group comprises the holding, and 12 public sector companies. In addition, there are over 50 joint venture companies with foreign partners. Shares Controlled by Government: 100%." World Bank (2008b) A Citizen's Guide to National Oil Companies, Part B: Data Directory, World Bank, Washington, & Center for Energy Economics, Bureau of Economic Geology Jackson School of Geosciences University of Texas, Austin, 764 pp.

Cell: D11

Comment: Rick Heede:

On this worksheet we report extractive data for each company or state-owned enterprise. Three columns under crude oil and natural gas allow for data reported in one of three formats (e.g., thousand barrels per day, or million barrels per year, or million tonnes per year). Coal is normally reported in U.S. or metric tonnes per year.

Note: the carbon content of the extracted resources is adjusted by a number of factors before emissions estimates. Most important is the subtraction of the fraction typically sequestered in petrochemicals and other non-combusted uses such as road oils, waxes, lubricants, greases, etc. See the non-energy uses worksheet for details.

Cell: F12

Comment: Rick Heede:

Total net worldwide crude oil plus natural gas liquids produced by each company or state-owned enterprise. Crude production includes natural gas liquids (NGL) unless noted.

Cell: J12

Comment: Rick Heede:

Natural gas is typically reported as dry gas; natural gas liquids are reported under crude oil.

Carbon dioxide is normally removed from the gas flow at the production site (see "Vented Carbon Dioxide").

"SCM/d" = standard cubic meters per day. "cf/d" = cubic feet per day.

Cell: E15

Comment: Rick Heede:

According to the EIA Country Study on Egypt (May05), EGPC has production-sharing agreements with several international oil and gas companies, e.g., BP, Apache, ENI-Agip, Shell, and BG. Shell, TotalFinaElf, and ENI have been awarded offshore exploration blocks.

Cell: F19

Comment: Rick Heede:

CMS considers the Oil & Gas Journal's OJG100 oil and gas production data (published for 1996-2004 only) as likely in error. Given that EGPC has signed production-sharing agreements and offered concessions to several international oil and gas companies (e.g., BP, BG, Apache, Shell, ENI, and Total), oil production should be some fraction, albeit possibly a high proportion, of total national production. In many years, EIA production data for Egypt is lower than OJG's production attributed to EGPC. For example, OJG shows 358 million bbl in 1996, whereas EIA shows 337 million bbl for Egypt; OJG 259 million bbl for EGPC in 2004, and EIA 217 million bbl for Egypt.

Cell: F23

Comment: Rick Heede:

EGPC does not publish their equity production, or percentage production of total Egyptian oil and gas production. We assume -- until comprehensive data becomes available -- that EGPC nationalized 51 percent of production of both oil and natural gas commencing with the creation of EGPC in 1976. This will be revised if equity production or working interest shares by year are documented.

Cell: J33

Comment: Rick Heede:

EGPC does not publish their equity production, or percentage production of total Egyptian oil and gas production. We assume -- until comprehensive data becomes available -- that EGPC nationalized 51 percent of production of both oil and natural gas commencing with the creation of EGPC in 1976. This will be revised if equity production or working interest shares by year are documented.

Cell: I35

Comment: Rick Heede:

U.S. Bureau of Mines Minerals Yearbook 1976, page 887, reports both gross and marketed production for 1974-1976.

Cell: D36

Comment: Rick Heede:

EIA, Crude Oil production 1970-1992, including lease condensate but not NGL production, judging from the 1993 overlap.

Cell: I40

Comment: Rick Heede:

U.S. Bureau of Mines Minerals Yearbook, 1976, page 887, Egyptian gross and marketed production 1974-1976.

Cell: B42

Comment: Rick Heede:

EGPC established under law no. 20 of 1976.

Cell: D46

Comment: Rick Heede:

Data 1980-2010 from EIA International Energy Statistics, World Crude Oil Production, plus Lease Condensate, and natural gas plant liquids (NGPLs).

Cell: F62

Comment: Rick Heede:

We continue the 51 percent attribution of Egypt's oil production to EGPC; the Oil & Gas Journal data (reproduced in column L at right) are much higher over the whole period and roughly equal the EIA total Egyptian oil production statistics in column E.

Cell: J62

Comment: Rick Heede:

We continue the 51 percent attribution of Egypt's natural gas production to EGPC; the Oil & Gas Journal data (reproduced in column M at right) are much higher in the 1990s, though lower in the 2000s.

Egypt

Cell: L66

Comment: Rick Heede:

Energy Intelligence shows 398 and 358 thousand bbl per day for 2000 and 2001, respectively (145 and 131 million bbl per year).

Cell: M66

Comment: Rick Heede:

Energy Intelligence shows 888 and 1,022 million cf per day for 2000 and 2001, respectively (324 and 373 Bcf per year).

Cell: M74

Comment: Rick Heede (Dec09):

Oil & Gas Journal OGJ100, various years; 2008 gas production not available; CMS assumes equal to 2007.

Cell: L75

Comment: Rick Heede:

OGJ100 6Sep2010 pg 69; 2008 production reported as 237.3 lower than earlier report at 247.8

Cell: M75

Comment: Rick Heede:

OGJ100 6Sep 2010: 1,445 million cf/day in 2009, and 1,404 million cf/day in 2010.

Cell: L76

Comment: Rick Heede:

Oil & Gas Journal, OGJ 100, 30Oct2011.