

**Iran**  
**Assessment Results Summary - Allocated Resources**

[MMBO, million barrels of oil. BCFG, billion cubic feet of gas. MMBNGL, million barrels of natural gas liquids. MFS, minimum field size assessed (MMBO or BCFG). Prob., probability (including both geologic and accessibility probabilities) of at least one field equal to or greater than the MFS. Results shown are fully risked estimates. For gas fields, all liquids are included under the NGL (natural gas liquids) category. F95 represents a 95 percent chance of at least the amount tabulated. Other fractiles are defined similarly. Fractiles are additive under the assumption of perfect positive correlation. Shading indicates not applicable]

Code and Field Type	MFS	Prob. (0-1)	Undiscovered Resources											
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean

**Total: Assessed onshore portions of Iran**

Oil Fields		1.00	12,199	37,196	75,043	39,654	16,014	51,958	116,251	57,245	655	2,253	5,489	2,556
Gas Fields							36,435	111,488	225,801	118,953	1,474	4,737	10,506	5,212
Total		1.00	12,199	37,196	75,043	39,654	52,449	163,446	342,052	176,198	2,129	6,990	15,995	7,768

**Total: Assessed offshore portions of Iran**

Oil Fields		1.00	4,089	12,640	25,501	13,461	6,468	22,372	50,679	24,695	287	1,071	2,648	1,218
Gas Fields							40,320	107,641	207,000	113,675	1,614	4,576	9,653	4,969
Total		1.00	4,089	12,640	25,501	13,461	46,788	130,013	257,679	138,370	1,901	5,647	12,301	6,187

**Grand Total: Assessed portions of Iran**

Oil Fields		1.00	16,288	49,836	100,544	53,114	22,483	74,330	166,930	81,940	942	3,324	8,137	3,774
Gas Fields							76,755	219,129	432,801	232,628	3,087	9,313	20,159	10,181
Total		1.00	16,288	49,836	100,544	53,114	99,238	293,459	599,732	314,567	4,030	12,637	28,296	13,955

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			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
<b>1112 South Caspian Basin Province</b>														
<b>111201 Oligocene-Miocene Maykop/Diatom Total Petroleum System</b>														
11120102 Lower Kura Depression and Adjacent Shelf Assessment Unit (12% of undiscovered oil fields and 12% of undiscovered gas fields allocated to OFFSHORE Iran)														
Oil Fields	5	1.00	41	142	303	153	116	413	962	460	7	24	60	28
Gas Fields	30						916	3,183	6,568	3,391	31	109	240	119
Total			1.00	41	142	303	153	1,032	3,597	7,530	3,851	37	133	300
11120103 Gograndag-Okarem Zone and Adjacent Shelf Assessment Unit (6% of undiscovered oil fields and 6% of undiscovered gas fields allocated to ONSHORE Iran)														
Oil Fields	5	1.00	75	269	554	286	281	1,042	2,345	1,142	16	61	148	69
Gas Fields	30						448	1,605	3,308	1,709	18	69	154	75
Total			1.00	75	269	554	286	728	2,647	5,653	2,851	34	129	302
11120103 Gograndag-Okarem Zone and Adjacent Shelf Assessment Unit (9% of undiscovered oil fields and 9% of undiscovered gas fields allocated to OFFSHORE Iran)														
Oil Fields	5	1.00	113	403	832	429	421	1,563	3,518	1,713	24	91	221	103
Gas Fields	30						672	2,407	4,962	2,563	28	103	231	113
Total			1.00	113	403	832	429	1,093	3,970	8,480	4,276	51	194	453
11120104 Central Offshore Assessment Unit (30% of undiscovered oil fields and 30% of undiscovered gas fields allocated to OFFSHORE Iran)														
Oil Fields	10	1.00	461	1,791	3,805	1,923	1,746	6,943	16,110	7,692	98	404	1,013	461
Gas Fields	60						4,671	16,250	32,465	17,159	192	696	1,514	755
Total			1.00	461	1,791	3,805	1,923	6,417	23,193	48,575	24,851	290	1,100	2,528

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Code and Field Type	MFS	Prob. (0-1)	Undiscovered Resources											
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
<b>11120105 Iran Onshore/Nearshore Assessment Unit (10% of undiscovered oil fields and 10% of undiscovered gas fields allocated to ONSHORE Iran)</b>														
Oil Fields	5	0.90	0	14	52	19	0	55	216	74	0	3	13	4
Gas Fields	30						0	186	563	222	0	8	26	10
Total		0.90	0	14	52	19	0	240	780	296	0	11	39	14
<b>11120105 Iran Onshore/Nearshore Assessment Unit (90% of undiscovered oil fields and 90% of undiscovered gas fields allocated to OFFSHORE Iran)</b>														
Oil Fields	5	0.90	0	127	471	167	0	492	1,948	668	0	29	120	40
Gas Fields	30						0	1,671	5,071	1,996	0	71	233	88
Total		0.90	0	127	471	167	0	2,163	7,019	2,664	0	100	353	128
<b>1154 Amu-Darya Basin Province</b>														
<b>115401 Amu-Darya Jurassic-Cretaceous Total Petroleum System</b>														
<b>11540102 Karabil-Badkhyz (Southern Area) Assessment Unit (0% of undiscovered oil fields and 10% of undiscovered gas fields allocated to ONSHORE Iran)</b>														
Oil Fields	3	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	18						347	714	1,253	748	5	11	21	12
Total		1.00	0	0	0	0	347	714	1,253	748	5	11	21	12
<b>2019 Rub Al Khali Basin Province</b>														
<b>201901 Cretaceous Thamama/Wasia Total Petroleum System</b>														
<b>20190102 Cretaceous Reservoirs in South Gulf Suprasalt Structural Assessment Unit (8% of undiscovered oil fields and 15% of undiscovered gas fields allocated to OFFSHORE Iran)</b>														
Oil Fields	10	1.00	97	278	585	301	72	216	495	241	4	13	31	14
Gas Fields	60						50	145	314	159	2	6	15	7
Total		1.00	97	278	585	301	121	361	809	400	6	19	46	21

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			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
<b>20190103 Mesozoic/Tertiary Foredeep Fold and Thrust Assessment Unit (10% of undiscovered oil fields and 10% of undiscovered gas fields allocated to OFFSHORE Iran)</b>														
Oil Fields	10	1.00	11	44	116	51	59	258	727	308	3	15	45	19
Gas Fields	60						268	1,109	2,615	1,233	11	47	121	54
Total		1.00	11	44	116	51	327	1,367	3,342	1,542	14	62	167	73

**201902 Jurassic Hanifa/Diyab-Arab Total Petroleum System**

**20190202 Jurassic Reservoirs in South Gulf Suprasalt/Qatar Arch Structural Assessment Unit (30% of undiscovered oil fields and 30% of undiscovered gas fields allocated to OFFSHORE Iran)**

Oil Fields	10	1.00	342	1,081	2,187	1,154	695	2,313	5,126	2,539	39	135	324	153
Gas Fields	60						297	1,066	2,539	1,198	12	46	118	53
Total		1.00	342	1,081	2,187	1,154	992	3,379	7,666	3,737	51	181	442	205

**201903 Silurian Qusaiba Total Petroleum System**

**20190301 Khuff Carbonates in Salt Structures Assessment Unit (0% of undiscovered oil fields and 25% of undiscovered gas fields allocated to OFFSHORE Iran)**

Oil Fields	10	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	60						1,689	5,377	11,019	5,750	69	230	515	253
Total		1.00	0	0	0	0	1,689	5,377	11,019	5,750	69	230	515	253

**2021 Greater Ghawar Uplift Province**

**202101 Central Arabia Qusaiba Paleozoic Total Petroleum System**

**20210102 North Gulf Salt Basin Structural Gas Assessment Unit (0% of undiscovered oil fields and 45% of undiscovered gas fields allocated to OFFSHORE Iran)**

Oil Fields	20	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	120						28,098	65,761	119,947	68,828	1,121	2,813	5,660	3,027
Total		1.00	0	0	0	0	28,098	65,761	119,947	68,828	1,121	2,813	5,660	3,027

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			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean

**202102 Arabian Sub-Basin Tuwaiq/Hanifa-Arab Total Petroleum System**

20210202 Salt-Involved Structural Oil Assessment Unit (12% of undiscovered oil fields and 0% of undiscovered gas fields allocated to OFFSHORE Iran)

Oil Fields	20	1.00	683	1,730	3,146	1,799	803	2,057	3,837	2,159	30	80	165	86
Gas Fields	120						0	0	0	0	0	0	0	0
Total		1.00	683	1,730	3,146	1,799	803	2,057	3,837	2,159	30	80	165	86

**2023 Widyan Basin-Interior Platform Province**

**202302 Jurassic Gotnia/Barsarin/Sargelu/Najmah Total Petroleum System**

20230202 Basinal Oil and Gas Assessment Unit (25% of undiscovered oil fields and 25% of undiscovered gas fields allocated to ONSHORE Iran)

Oil Fields	20	1.00	143	459	838	472	208	677	1,304	708	12	39	84	42
Gas Fields	120						852	2,776	5,051	2,843	35	118	238	125
Total		1.00	143	459	838	472	1,060	3,453	6,355	3,550	47	157	322	167

**2030 Zagros Fold Belt Province**

**203001 Zagros-Mesopotamian Cretaceous-Tertiary Total Petroleum System**

20300101 Cretaceous Reservoirs Assessment Unit (33.6% of undiscovered oil fields and 48% of undiscovered gas fields allocated to ONSHORE Iran)

Oil Fields	10	1.00	7,975	23,755	46,968	25,170	7,399	23,023	50,200	25,172	175	568	1,295	629
Gas Fields	60						5,272	13,126	25,634	14,007	212	561	1,209	616
Total		1.00	7,975	23,755	46,968	25,170	12,671	36,149	75,833	39,179	387	1,129	2,504	1,245

20300101 Cretaceous Reservoirs Assessment Unit (8.4% of undiscovered oil fields and 12% of undiscovered gas fields allocated to OFFSHORE Iran)

Oil Fields	10	1.00	1,994	5,939	11,742	6,292	1,850	5,756	12,550	6,293	44	142	324	157
Gas Fields	60						1,318	3,282	6,408	3,502	53	140	302	154
Total		1.00	1,994	5,939	11,742	6,292	3,168	9,037	18,958	9,795	97	282	626	311

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			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
<b>20300102 Tertiary Reservoirs Assessment Unit (69.92% of undiscovered oil fields and 69.92% of undiscovered gas fields allocated to ONSHORE Iran)</b>														
Oil Fields	10	1.00	4,006	12,700	26,630	13,708	8,126	27,161	62,186	30,149	453	1,582	3,949	1,811
Gas Fields	60						10,286	32,795	67,681	35,226	423	1,400	3,150	1,548
Total		1.00	4,006	12,700	26,630	13,708	18,412	59,956	129,867	65,375	876	2,982	7,098	3,359
<b>20300102 Tertiary Reservoirs Assessment Unit (6.08% of undiscovered oil fields and 6.08% of undiscovered gas fields allocated to OFFSHORE Iran)</b>														
Oil Fields	10	1.00	348	1,104	2,316	1,192	707	2,362	5,407	2,622	39	138	343	157
Gas Fields	60						894	2,852	5,885	3,063	37	122	274	135
Total		1.00	348	1,104	2,316	1,192	1,601	5,214	11,293	5,685	76	259	617	292
<b>203002 Paleozoic-Permian/Triassic Total Petroleum System</b>														
<b>20300201 Northern Qatar Arch Extension Assessment Unit (0% of undiscovered oil fields and 93% of undiscovered gas fields allocated to ONSHORE Iran)</b>														
Oil Fields	20	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	120						19,230	60,287	122,312	64,198	780	2,570	5,708	2,826
Total		1.00	0	0	0	0	19,230	60,287	122,312	64,198	780	2,570	5,708	2,826
<b>20300201 Northern Qatar Arch Extension Assessment Unit (0% of undiscovered oil fields and 7% of undiscovered gas fields allocated to OFFSHORE Iran)</b>														
Oil Fields	20	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	120						1,447	4,538	9,206	4,832	59	193	430	213
Total		1.00	0	0	0	0	1,447	4,538	9,206	4,832	59	193	430	213