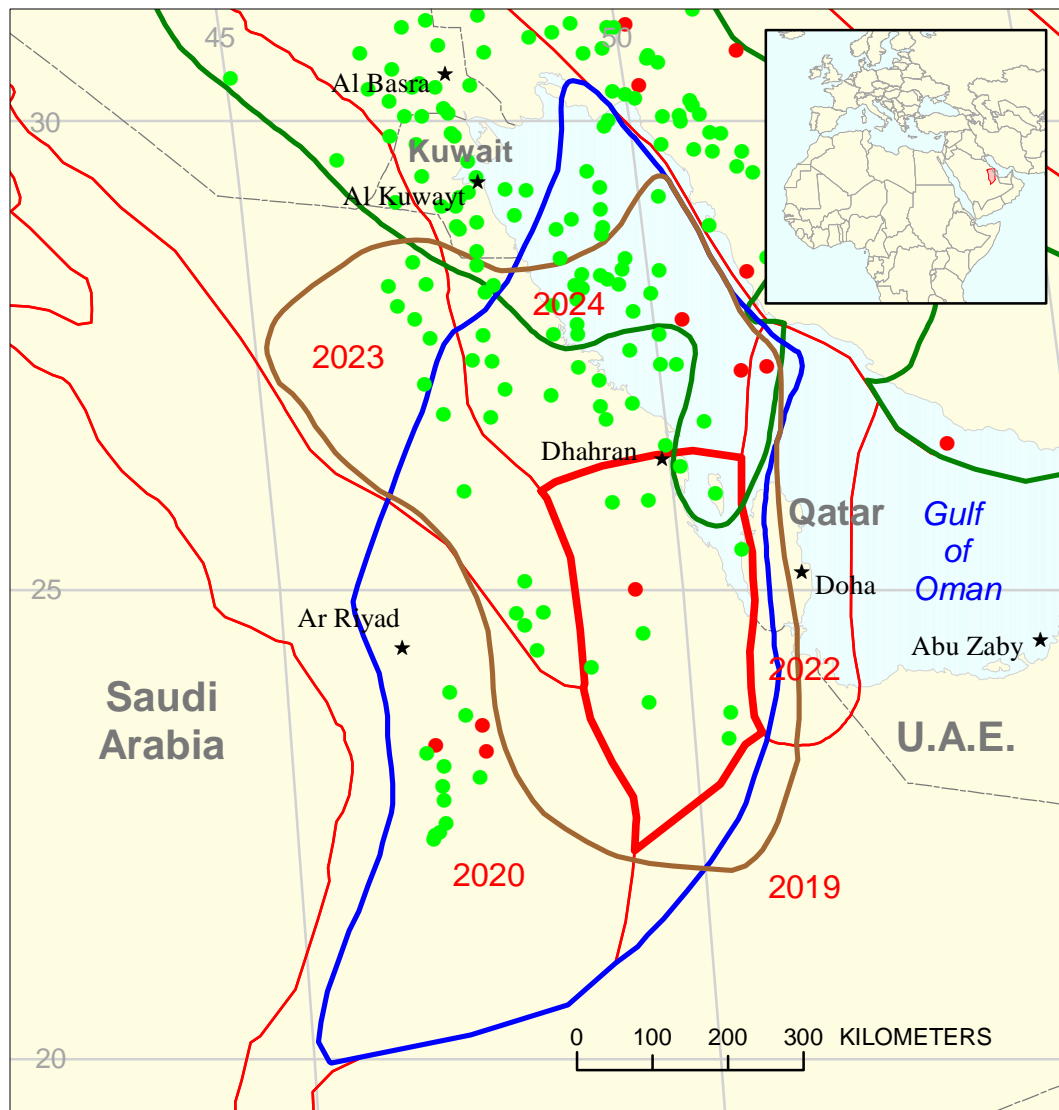


Greater Ghawar Uplift Geologic Province 2021



- Central Arabia Qusaiba-Paleozoic Total Petroleum System 202101
- Arabian Sub-Basin Tuwaiq/Hanifa-Arab Total Petroleum System 202102
- Zagros-Mesopotamian Cretaceous-Tertiary Total Petroleum System 203001
- Greater Ghawar Uplift Geologic Province 2021
- Other geologic province boundary

- Central Arabia Qusaiba-Paleozoic Total Petroleum System 202101
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Greater Ghawar Uplift, Province 2021
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

2021 Total: Assessed onshore portions of Greater Ghawar Uplift Province

Oil Fields		1.00	4,507	10,776	18,052	10,968	3,479	8,609	15,415	8,918	148	386	771	413
Gas Fields							33,889	83,220	142,816	85,108	2,272	5,729	10,223	5,924
Total		1.00	4,507	10,776	18,052	10,968	37,368	91,829	158,231	94,026	2,420	6,115	10,994	6,337

2021 Total: Assessed offshore portions of Greater Ghawar Uplift Province

Oil Fields		1.00	998	2,728	5,173	2,862	1,061	2,948	5,908	3,151	34	96	205	105
Gas Fields							52,944	123,985	226,304	129,793	2,113	5,304	10,679	5,708
Total		1.00	998	2,728	5,173	2,862	54,005	126,933	232,212	132,943	2,146	5,400	10,885	5,813

2021 Grand Total: Assessed portions of Greater Ghawar Uplift Province

Oil Fields		1.00	5,505	13,503	23,225	13,830	4,540	11,557	21,323	12,069	181	482	976	518
Gas Fields							86,833	207,205	369,120	214,900	4,385	11,032	20,902	11,632
Total		1.00	5,505	13,503	23,225	13,830	91,373	218,762	390,443	226,969	4,566	11,515	21,879	12,150

Greater Ghawar Uplift, Province 2021
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

202101 Central Arabia Qusaiba Paleozoic Total Petroleum System

20210101 Central Arch Horst-Block Anticlinal Oil and Gas Assessment Unit (10% of undiscovered oil fields and 30% of undiscovered gas fields allocated to ONSHORE province 2021)

Oil Fields	20	1.00	730	1,860	3,283	1,919	1,059	2,751	5,112	2,876	59	160	328	172
Gas Fields	120						23,844	59,701	99,902	60,489	1,871	4,723	8,198	4,841
Total		1.00	730	1,860	3,283	1,919	24,902	62,452	105,014	63,365	1,930	4,883	8,526	5,014

20210102 North Gulf Salt Basin Structural Gas Assessment Unit (100% of undiscovered oil fields and 16% of undiscovered gas fields allocated to ONSHORE province 2021)

Oil Fields	20	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	120						9,990	23,382	42,648	24,472	399	1,000	2,013	1,076
Total		1.00	0	0	0	0	9,990	23,382	42,648	24,472	399	1,000	2,013	1,076

20210102 North Gulf Salt Basin Structural Gas Assessment Unit (0% of undiscovered oil fields and 84% of undiscovered gas fields allocated to OFFSHORE province 2021)

Oil Fields	20	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	120						52,450	122,755	223,901	128,480	2,093	5,251	10,566	5,650
Total		1.00	0	0	0	0	52,450	122,755	223,901	128,480	2,093	5,251	10,566	5,650

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

20210201 Horst-Block Anticlinal Oil Assessment Unit (30% of undiscovered oil fields and 0% of undiscovered gas fields allocated to ONSHORE province 2021)

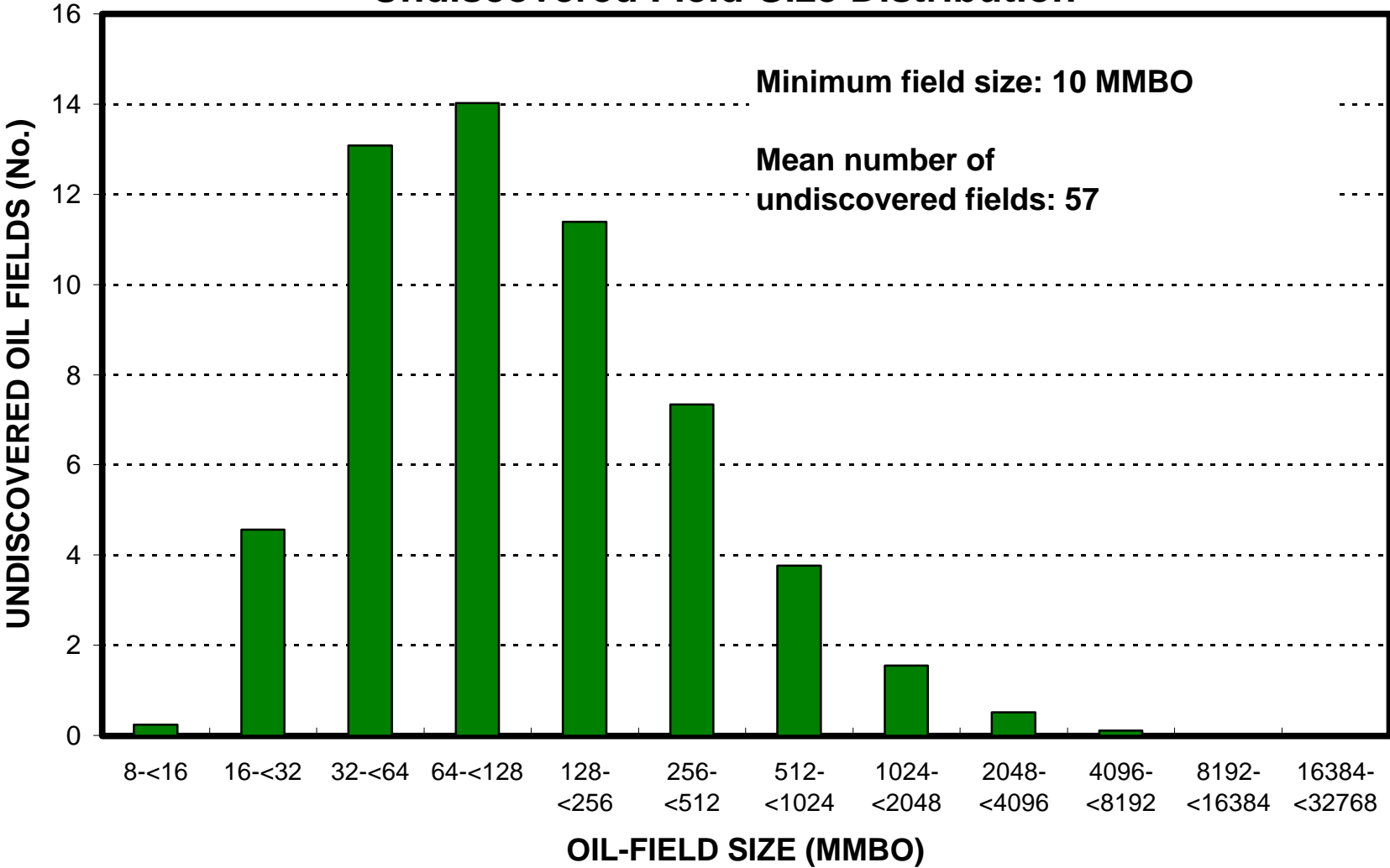
Oil Fields	20	1.00	3,389	7,923	12,952	8,014	1,970	4,692	8,107	4,817	73	182	351	193
Gas Fields	120						0	0	0	0	0	0	0	0
Total		1.00	3,389	7,923	12,952	8,014	1,970	4,692	8,107	4,817	73	182	351	193

Greater Ghawar Uplift, Province 2021
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
20210202 Salt-Involved Structural Oil Assessment Unit (6.4% of undiscovered oil fields and 0% of undiscovered gas fields allocated to ONSHORE province 2021)														
Oil Fields	20	1.00	365	923	1,678	959	428	1,097	2,046	1,151	16	43	88	46
Gas Fields	120						0	0	0	0	0	0	0	0
Total			1.00	365	923	1,678	959	428	1,097	2,046	1,151	16	43	88
20210202 Salt-Involved Structural Oil Assessment Unit (9.6% of undiscovered oil fields and 0% of undiscovered gas fields allocated to OFFSHORE province 2021)														
Oil Fields	20	1.00	547	1,384	2,517	1,439	642	1,646	3,069	1,727	24	64	132	69
Gas Fields	120						0	0	0	0	0	0	0	0
Total			1.00	547	1,384	2,517	1,439	642	1,646	3,069	1,727	24	64	132
203001 Zagros-Mesopotamian Cretaceous-Tertiary Total Petroleum System														
20300101 Cretaceous Reservoirs Assessment Unit (.1% of undiscovered oil fields and .5% of undiscovered gas fields allocated to ONSHORE province 2021)														
Oil Fields	10	1.00	24	71	140	75	22	69	149	75	1	2	4	2
Gas Fields	60						55	137	267	146	2	6	13	6
Total			1.00	24	71	140	75	77	205	416	221	3	8	16
20300101 Cretaceous Reservoirs Assessment Unit (1.9% of undiscovered oil fields and 4.5% of undiscovered gas fields allocated to OFFSHORE province 2021)														
Oil Fields	10	1.00	451	1,343	2,656	1,423	418	1,302	2,839	1,423	10	32	73	36
Gas Fields	60						494	1,231	2,403	1,313	20	53	113	58
Total			1.00	451	1,343	2,656	1,423	913	2,532	5,242	2,737	30	85	187

Greater Ghawar Uplift, Province 2021 Undiscovered Field-Size Distribution



Greater Ghawar Uplift, Province 2021 Undiscovered Field-Size Distribution

