





Middle Caspian Basin Geologic Province 1109



-  Terek-Caspian
Total Petroleum System 110901
-  South Mangyshlak
Total Petroleum System 110902
-  Stavropol-Prikumsk
Total Petroleum System 110903

-  Terek-Caspian Total Petroleum System 110901
-  South Mangyshlak Total Petroleum System 110902
-  Stavropol-Prikumsk Total Petroleum System 110903
-  Middle Caspian Basin Geologic Province 1109

Middle Caspian Basin, Province 1109
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

1109 Total: Assessed onshore portions of Middle Caspian Basin Province

Oil Fields			1,005	2,053	3,677	2,159	2,020	5,129	10,273	5,503	117	299	606	322
Gas Fields	1.00						4,646	19,192	33,101	19,139	121	858	1,569	855
Total	1.00		1,005	2,053	3,677	2,159	6,666	24,321	43,374	24,641	238	1,158	2,175	1,177

1109 Total: Assessed offshore portions of Middle Caspian Basin Province

Oil Fields			822	2,683	4,793	2,728	1,689	5,527	10,726	5,766	95	320	625	334
Gas Fields	1.00						1,457	9,552	17,811	9,278	38	149	318	158
Total	1.00		822	2,683	4,793	2,728	3,146	15,079	28,537	15,044	133	469	943	492

1109 Grand Total: Assessed portions of Middle Caspian Basin Province

Oil Fields			1,828	4,737	8,470	4,887	3,708	10,656	20,999	11,269	212	619	1,231	656
Gas Fields	1.00						6,103	28,744	50,913	28,417	159	1,007	1,887	1,014
Total	1.00		1,828	4,737	8,470	4,887	9,812	39,400	71,911	39,685	371	1,626	3,118	1,670

Middle Caspian Basin, Province 1109
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
110901 Terek-Caspian Total Petroleum System														
11090101 Foldbelt-Foothills Assessment Unit (50.6% of undiscovered oil fields and 80% of undiscovered gas fields allocated to ONSHORE province 1109)														
Oil Fields	7	1.00	556	1,012	1,728	1,060	1,359	2,555	4,560	2,707	80	153	277	162
Gas Fields	42						3,775	7,048	11,874	7,329	107	209	370	220
Total		1.00	556	1,012	1,728	1,060	5,134	9,603	16,435	10,036	188	362	647	382
11090101 Foldbelt-Foothills Assessment Unit (49.4% of undiscovered oil fields and 20% of undiscovered gas fields allocated to OFFSHORE province 1109)														
Oil Fields	7	1.00	543	988	1,687	1,034	1,327	2,495	4,452	2,643	79	149	270	159
Gas Fields	42						944	1,762	2,969	1,832	27	52	93	55
Total		1.00	543	988	1,687	1,034	2,271	4,257	7,421	4,475	105	201	363	214
11090102 Terek-Sunzha Subsalt Jurassic Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE province 1109)														
Oil Fields	20	0.85	0	264	633	283	0	1,291	3,270	1,413	0	77	198	85
Gas Fields	120						0	10,488	18,245	10,051	0	620	1,139	603
Total		0.85	0	264	633	283	0	11,779	21,516	11,464	0	697	1,337	688
11090103 Foreland Slope and Foredeep Assessment Unit (59.5% of undiscovered oil fields and 59.5% of undiscovered gas fields allocated to ONSHORE province 1109)														
Oil Fields	7	1.00	142	254	445	269	201	377	693	403	12	23	42	24
Gas Fields	42						295	623	1,201	670	6	13	26	14
Total		1.00	142	254	445	269	496	1,000	1,894	1,073	18	35	68	38

Middle Caspian Basin, Province 1109
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]

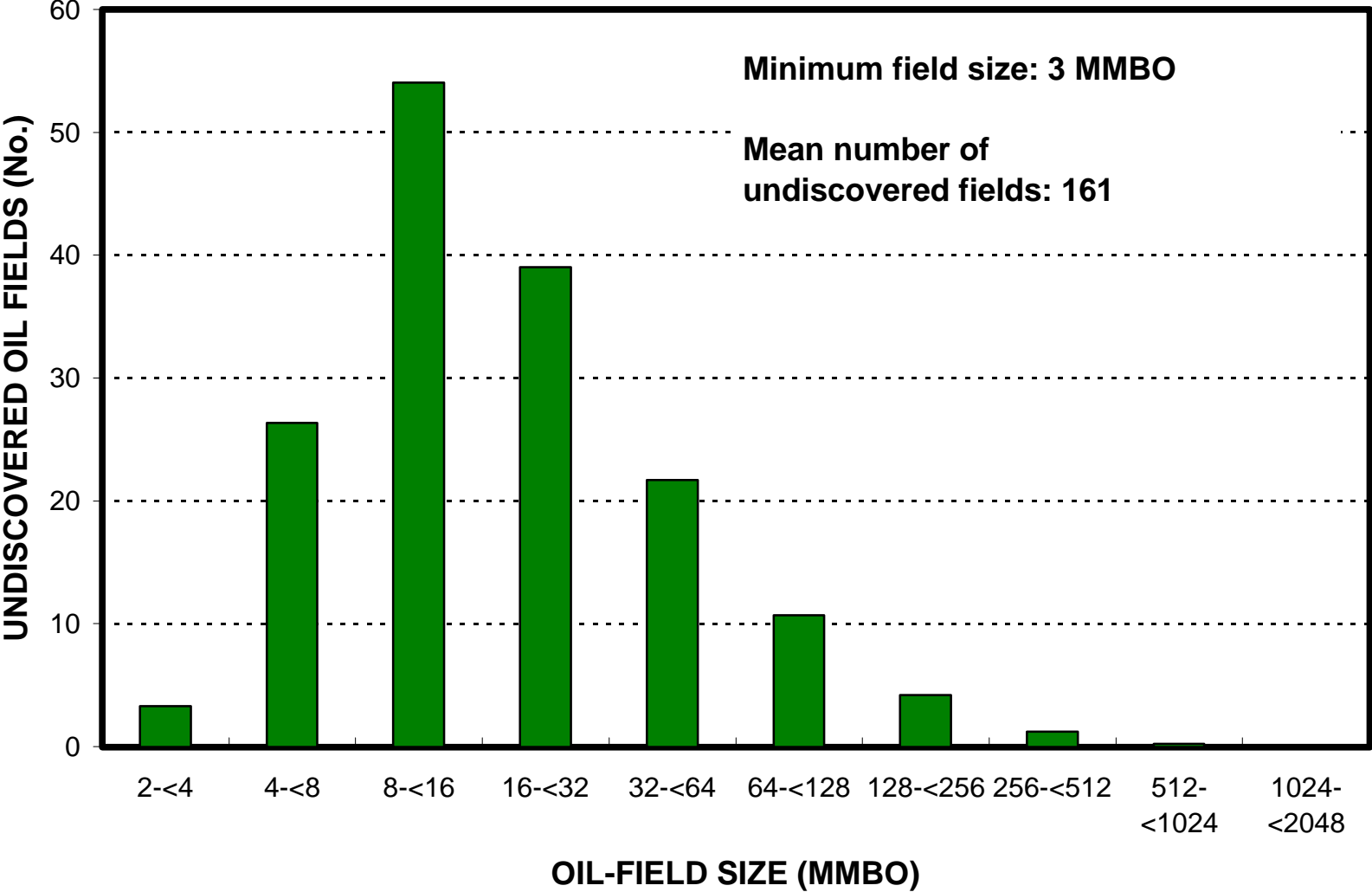
Code and Field Type	MFS	Prob. (0-1)	Undiscovered Resources											
			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
11090103 Foreland Slope and Foredeep Assessment Unit (40.5% of undiscovered oil fields and 40.5% of undiscovered gas fields allocated to OFFSHORE province 1109)														
Oil Fields	7	1.00	97	173	303	183	137	257	472	274	8	15	29	16
Gas Fields	42						201	424	817	456	4	9	18	9
Total			1.00	97	173	303	183	337	680	1,289	731	12	24	46
110902 South Mangyshlak Total Petroleum System														
11090201 South Mangyshlak (Entire) Assessment Unit (40% of undiscovered oil fields and 40% of undiscovered gas fields allocated to ONSHORE province 1109)														
Oil Fields	3	1.00	122	246	449	261	150	359	821	406	6	14	33	16
Gas Fields	18						208	466	899	499	5	11	23	12
Total			1.00	122	246	449	261	359	825	1,720	905	11	26	57
11090201 South Mangyshlak (Entire) Assessment Unit (60% of undiscovered oil fields and 60% of undiscovered gas fields allocated to OFFSHORE province 1109)														
Oil Fields	3	1.00	182	369	673	391	225	539	1,232	609	9	21	50	24
Gas Fields	18						313	700	1,348	749	7	17	35	19
Total			1.00	182	369	673	391	538	1,238	2,580	1,357	16	39	85
110903 Stavropol-Prikumsk Total Petroleum System														
11090301 Offshore Prikumsk Zone Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to OFFSHORE province 1109)														
Oil Fields	10	0.90	0	794	1,419	789	0	1,545	3,048	1,580	0	92	184	95
Gas Fields	60						0	2,215	4,708	2,330	0	43	100	47
Total			0.90	0	794	1,419	789	0	3,760	7,755	3,910	0	135	284

Middle Caspian Basin, Province 1109
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
11090302 Onshore Stavropol-Prikumsk Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE province 1109)														
Oil Fields	3	1.00	185	277	421	287	310	547	929	574	18	33	56	34
Gas Fields	18						368	567	882	589	3	6	10	6
Total			1.00	185	277	421	287	678	1,114	1,811	1,163	21	38	66
11090303 Central Caspian Offshore Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to OFFSHORE province 1109)														
Oil Fields	10	0.72	0	360	711	331	0	693	1,523	661	0	41	92	40
Gas Fields	60						0	4,451	7,969	3,911	0	28	73	29
Total			0.72	0	360	711	331	0	5,144	9,492	4,572	0	69	165

Middle Caspian Basin, Province 1109 Undiscovered Field-Size Distribution



Middle Caspian Basin, Province 1109 Undiscovered Field-Size Distribution

