

Turkmenistan
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 Turkmenistan

Oil Fields			148	501	1,034	535	630	2,151	4,848	2,368	35	126	305	142
Gas Fields							39,045	129,986	275,917	140,068	897	3,126	7,266	3,478
Total		1.00	148	501	1,034	535	39,676	132,136	280,765	142,436	932	3,251	7,572	3,620

Total: Assessed offshore portions of Turkmenistan

Oil Fields			1,629	5,891	12,320	6,301	5,559	21,014	47,863	23,133	312	1,225	3,013	1,387
Gas Fields							10,928	39,655	81,668	42,122	436	1,616	3,608	1,768
Total		1.00	1,629	5,891	12,320	6,301	16,487	60,668	129,530	65,256	748	2,841	6,620	3,155

Grand Total: Assessed portions of Turkmenistan

Oil Fields			1,778	6,392	13,355	6,836	6,189	23,165	52,710	25,501	347	1,351	3,318	1,529
Gas Fields							49,973	169,640	357,585	182,191	1,333	4,742	10,874	5,245
Total		1.00	1,778	6,392	13,355	6,836	56,162	192,805	410,295	207,692	1,680	6,092	14,192	6,774

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			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean

1109 Middle Caspian Basin Province

110903 Stavropol-Prikumsk Total Petroleum System

11090303 Central Caspian Offshore Assessment Unit (0% of undiscovered oil fields and 20% of undiscovered gas fields allocated to OFFSHORE Turkmenistan)

Oil Fields	10	0.72	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	60						0	890	1,594	782	0	6	15	6
Total		0.72	0	0	0	0	0	890	1,594	782	0	6	15	6

1112 South Caspian Basin Province

111201 Oligocene-Miocene Maykop/Diatom Total Petroleum System

11120101 Apsheron-Pribalkhan Zone Assessment Unit (1.25% of undiscovered oil fields and 3% of undiscovered gas fields allocated to ONSHORE Turkmenistan)

Oil Fields	5	1.00	11	35	76	39	12	41	98	46	1	2	6	3
Gas Fields	30						29	108	286	126	1	2	6	3
Total		1.00	11	35	76	39	41	149	383	172	1	5	12	5

11120101 Apsheron-Pribalkhan Zone Assessment Unit (23.75% of undiscovered oil fields and 57% of undiscovered gas fields allocated to OFFSHORE Turkmenistan)

Oil Fields	5	1.00	212	674	1,448	734	235	786	1,854	881	13	46	117	53
Gas Fields	30						548	2,055	5,432	2,392	10	40	112	48
Total		1.00	212	674	1,448	734	783	2,840	7,285	3,274	23	86	229	101

11120103 Gograndag-Okarem Zone and Adjacent Shelf Assessment Unit (8.5% of undiscovered oil fields and 8.5% of undiscovered gas fields allocated to ONSHORE Turkmenistan)

Oil Fields	5	1.00	106	381	785	405	398	1,476	3,322	1,618	22	86	209	97
Gas Fields	30						634	2,273	4,686	2,421	26	97	219	107
Total		1.00	106	381	785	405	1,032	3,749	8,008	4,039	48	183	428	204

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11120103 Gograndag-Okarem Zone and Adjacent Shelf Assessment Unit (76.5% of undiscovered oil fields and 76.5% of undiscovered gas fields allocated to OFFSHORE Turkmenistan)														
Oil Fields	5	1.00	957	3,426	7,068	3,644	3,578	13,286	29,899	14,560	201	775	1,883	874
Gas Fields	30						5,709	20,460	42,177	21,789	234	875	1,967	959
Total		1.00	957	3,426	7,068	3,644	9,287	33,745	72,076	36,349	434	1,650	3,849	1,833
11120104 Central Offshore Assessment Unit (30% of undiscovered oil fields and 30% of undiscovered gas fields allocated to OFFSHORE Turkmenistan)														
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	1,215
1154 Amu-Darya Basin Province														
115401 Amu-Darya Jurassic-Cretaceous Total Petroleum System														
11540101 Northern and Western Areas Assessment Unit (50% of undiscovered oil fields and 50% of undiscovered gas fields allocated to ONSHORE Turkmenistan)														
Oil Fields	3	1.00	11	33	65	35	41	129	276	140	2	8	17	8
Gas Fields	18						1,864	4,437	7,941	4,633	27	67	135	72
Total		1.00	11	33	65	35	1,905	4,566	8,216	4,774	29	74	153	81
11540102 Karabil-Badkhyz (Southern Area) Assessment Unit (0% of undiscovered oil fields and 50% of undiscovered gas fields allocated to ONSHORE Turkmenistan)														
Oil Fields	3	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	18						1,736	3,572	6,267	3,741	24	54	107	58
Total		1.00	0	0	0	0	1,736	3,572	6,267	3,741	24	54	107	58

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11540103 Murgab Depression Suprasalt Assessment Unit (0% of undiscovered oil fields and 85% of undiscovered gas fields allocated to ONSHORE Turkmenistan)														
Oil Fields	3	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	18						1,047	3,580	8,220	3,981	7	24	60	28
Total		1.00	0	0	0	0	1,047	3,580	8,220	3,981	7	24	60	28
11540104 Murgab Depression Subsalt Assessment Unit (50% of undiscovered oil fields and 89% of undiscovered gas fields allocated to ONSHORE Turkmenistan)														
Oil Fields	5	1.00	20	52	108	56	179	504	1,152	563	10	30	73	34
Gas Fields	30						33,735	116,016	248,517	125,166	812	2,881	6,739	3,210
Total		1.00	20	52	108	56	33,915	116,520	249,670	125,729	822	2,910	6,812	3,244