

Ukraine
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 Ukraine

Oil Fields			150	1,207	2,744	1,302	318	2,464	6,103	2,750	18	144	383	165
Gas Fields							7,164	22,212	40,546	22,931	170	689	1,470	739
Total	1.00		150	1,207	2,744	1,302	7,482	24,676	46,648	25,681	187	833	1,853	904

Total: Assessed offshore portions of Ukraine

Oil Fields			10	33	83	38	12	42	122	51	1	2	8	3
Gas Fields							701	1,723	3,161	1,804	7	19	43	21
Total	1.00		10	33	83	38	712	1,764	3,283	1,855	8	22	50	24

Grand Total: Assessed portions of Ukraine

Oil Fields			160	1,240	2,827	1,340	330	2,506	6,225	2,801	18	146	391	168
Gas Fields							7,865	23,934	43,706	24,735	177	708	1,513	761
Total	1.00		160	1,240	2,827	1,340	8,195	26,440	49,931	27,536	195	854	1,903	929

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1009 Dnieper-Donets Basin Province

100901 Dnieper-Donets Paleozoic Total Petroleum System

10090101 Carboniferous-Lower Permian Clastics Assessment Unit (100% of undiscovered oil fields and 98% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	3	1.00	86	235	466	251	158	457	997	502	9	27	63	30
Gas Fields	18						6,691	13,702	21,927	13,948	164	394	758	418
Total			1.00	86	235	466	251	6,850	14,159	22,924	14,450	173	420	820

10090102 Devonian Synrift Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	7	0.90	0	784	1,886	848	0	1,513	3,957	1,694	0	88	248	102
Gas Fields	42						0	7,252	16,041	7,623	0	280	677	304
Total			0.90	0	784	1,886	848	0	8,765	19,998	9,317	0	368	924

1108 Azov-Kuban Basin Province

110801 Azov-Kuban Mesozoic-Cenozoic Total Petroleum System

11080101 Tertiary Foredeep Assessment Unit (10.05% of undiscovered oil fields and 8.75% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	2	1.00	9	27	51	28	11	38	103	45	1	2	6	3
Gas Fields	12						83	227	412	235	1	3	7	4
Total			1.00	9	27	51	28	94	266	515	280	2	6	13

11080101 Tertiary Foredeep Assessment Unit (4.95% of undiscovered oil fields and 16.25% of undiscovered gas fields allocated to OFFSHORE Ukraine)

Oil Fields	2	1.00	4	13	25	14	5	19	51	22	0	1	3	1
Gas Fields	12						155	422	765	437	2	6	13	7
Total			1.00	4	13	25	14	160	441	816	459	3	7	16

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11080102 Foreland Slope Assessment Unit (50% of undiscovered oil fields and 20% of undiscovered gas fields allocated to OFFSHORE Ukraine)														
Oil Fields	2	1.00	6	19	58	24	6	23	71	29	0	1	4	2
Gas Fields	12		546	1,300	2,396	1,367	5	13	30	14				
Total			6	19	58	24	552	1,323	2,467	1,396	5	14	34	16

4047 North Carpathian Basin Province

404701 Isotopically Light Gas Total Petroleum System

40470101 Foreland Basin Assessment Unit (0% of undiscovered oil fields and 37% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	1	1.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	6		315	788	1,635	859	2	6	14	7				
Total			0	0	0	0	315	788	1,635	859	2	6	14	7

404702 Mesozoic/Paleogene Composite Total Petroleum System

40470201 Deformed Belt Assessment Unit (45% of undiscovered oil fields and 10% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	1	1.00	50	142	297	155	138	416	947	464	8	24	60	28
Gas Fields	6		41	121	253	131	0	1	3	1				
Total			50	142	297	155	178	537	1,200	596	8	25	63	29

404703 Paleozoic Composite Total Petroleum System

40470301 Paleozoic Reservoirs Assessment Unit (44% of undiscovered oil fields and 44% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	1	1.00	5	19	42	21	11	40	98	45	1	2	6	3
Gas Fields	6		31	112	254	123	1	5	12	5				
Total			5	19	42	21	42	152	352	169	2	7	18	8

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4048 Pannonian Basin Province

404804 Transcarpathian Neogene Total Petroleum System

40480401 Transcarpathian Basin Assessment Unit (0% of undiscovered oil fields and 10% of undiscovered gas fields allocated to ONSHORE Ukraine)

Oil Fields	1		0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields	6	1.00					3	10	24	11	0	0	0	0
Total		1.00	0	0	0	0	3	10	24	11	0	0	0	0