

Argentina
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 Argentina

Oil Fields														
Gas Fields														
Total	1.00		627	1,840	3,630	1,951	1,591	4,828	10,397	5,263	26	85	202	95
							5,335	15,708	30,524	16,558	103	308	657	335
	1.00		627	1,840	3,630	1,951	6,926	20,537	40,921	21,821	129	393	858	430

Total: Assessed offshore portions of Argentina

Oil Fields														
Gas Fields														
Total	1.00		240	1,124	2,754	1,267	798	4,033	10,917	4,721	27	154	461	188
							2,053	9,095	21,804	10,153	48	218	555	249
	1.00		240	1,124	2,754	1,267	2,851	13,128	32,721	14,874	75	373	1,015	437

Grand Total: Assessed portions of Argentina

Oil Fields														
Gas Fields														
Total	1.00		867	2,965	6,384	3,218	2,389	8,861	21,314	9,984	53	239	662	283
							7,389	24,803	52,328	26,711	151	527	1,211	584
	1.00		867	2,965	6,384	3,218	9,777	33,664	73,641	36,695	204	765	1,874	867

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6045 Santa Cruz-Tarija Basin Province

604501 Los Monos-Machareti Total Petroleum System

60450101 Sub-Andean Fold and Thrust Belt Assessment Unit (7% of undiscovered oil fields and 7% of undiscovered gas fields allocated to ONSHORE Argentina)

Oil Fields	1	1.00	5	12	22	13	12	32	66	35	1	2	4	2
Gas Fields	6						653	1,377	2,239	1,402	22	51	93	53
Total		1.00	5	12	22	13	665	1,409	2,305	1,436	23	53	97	55

60450102 Foreland Basins Assessment Unit (1.1% of undiscovered oil fields and 1.1% of undiscovered gas fields allocated to ONSHORE Argentina)

Oil Fields	3	1.00	2	12	31	14	6	30	85	36	0	2	5	2
Gas Fields	18						7	39	103	45	0	1	4	2
Total		1.00	2	12	31	14	12	70	188	81	1	3	9	4

60450103 Foreland Central Chaco High Assessment Unit (.8% of undiscovered oil fields and .8% of undiscovered gas fields allocated to ONSHORE Argentina)

Oil Fields	3	0.60	0	4	19	6	0	9	51	15	0	1	3	1
Gas Fields	18						0	7	37	11	0	0	1	0
Total		0.60	0	4	19	6	0	15	88	26	0	1	5	1

6055 Neuquen Basin Province

605501 Neuquen Hybrid Total Petroleum System

60550101 Neuquen Extensional Structures Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE Argentina)

Oil Fields	1	1.00	290	820	1,564	862	807	2,383	5,034	2,586	15	46	107	52
Gas Fields	6						1,591	4,901	9,414	5,138	21	70	157	77
Total		1.00	290	820	1,564	862	2,398	7,284	14,447	7,724	36	116	264	129

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			Oil (MMBO)				Gas (BCFG)				NGL (MMBNGL)			
			F95	F50	F5	Mean	F95	F50	F5	Mean	F95	F50	F5	Mean
60550102 Neuquen Foothills Structure Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	1	1.00	94	306	669	334	265	892	2,114	1,001	5	17	45	20
Gas Fields	6						739	2,545	5,504	2,763	10	36	91	41
Total		1.00	94	306	669	334	1,004	3,438	7,618	3,764	15	54	135	61
60550103 Dorsal de Neuquen Structure Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	1	1.00	27	87	180	93	51	169	381	187	0	2	4	2
Gas Fields	6						214	692	1,423	740	3	10	23	11
Total		1.00	27	87	180	93	264	860	1,805	927	3	12	27	13
6058 San Jorge Basin Province														
605801 D-129 Total Petroleum System														
60580101 San Jorge Extensional Structures Assessment Unit (67% of undiscovered oil fields and 67% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	1	1.00	74	217	442	233	69	211	470	233	1	4	10	5
Gas Fields	6						483	1,652	3,588	1,803	9	32	76	36
Total		1.00	74	217	442	233	552	1,863	4,058	2,036	10	36	86	41
60580101 San Jorge Extensional Structures Assessment Unit (33% of undiscovered oil fields and 33% of undiscovered gas fields allocated to OFFSHORE Argentina)														
Oil Fields	1	1.00	36	107	218	115	34	104	231	115	1	2	5	2
Gas Fields	6						238	814	1,767	888	4	16	38	18
Total		1.00	36	107	218	115	272	918	1,999	1,003	5	18	42	20

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60580102 San Bernardo Fold Belt Structures Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	1	1.00	50	146	268	151	72	215	416	226	1	4	9	5
Gas Fields	6						172	496	890	509	3	10	19	10
Total		1.00	50	146	268	151	244	711	1,306	735	5	14	28	15
6059 Magallanes Basin Province														
605901 Lower Inoceramus Total Petroleum System														
60590101 Magallanes Extensional Structures Assessment Unit (45.5% of undiscovered oil fields and 45.5% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	1	1.00	80	218	389	225	299	847	1,676	898	2	7	14	7
Gas Fields	6						1,381	3,694	6,741	3,827	33	90	177	96
Total		1.00	80	218	389	225	1,681	4,541	8,416	4,725	35	97	191	103
60590101 Magallanes Extensional Structures Assessment Unit (24.5% of undiscovered oil fields and 24.5% of undiscovered gas fields allocated to OFFSHORE Argentina)														
Oil Fields	1	1.00	43	117	210	121	161	456	902	484	1	4	8	4
Gas Fields	6						744	1,989	3,630	2,061	18	49	95	52
Total		1.00	43	117	210	121	905	2,445	4,532	2,544	19	52	103	55
60590102 Andean Fold Belt Structures Assessment Unit (10% of undiscovered oil fields and 10% of undiscovered gas fields allocated to ONSHORE Argentina)														
Oil Fields	4	1.00	5	19	45	21	10	40	104	46	0	0	1	0
Gas Fields	24						96	306	584	319	2	7	15	8
Total		1.00	5	19	45	21	106	346	688	365	2	8	16	8

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6063 Malvinas Basin Province

606301 Lower Cretaceous Marine Total Petroleum System

60630101 Malvinas Extensional Structures Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to OFFSHORE Argentina)

Oil Fields	5	1.00	161	900	2,327	1,031	603	3,473	9,783	4,123	25	149	448	181
Gas Fields	30						1,072	6,292	16,407	7,205	26	154	422	180
Total		1.00	161	900	2,327	1,031	1,675	9,765	26,190	11,327	51	303	870	362