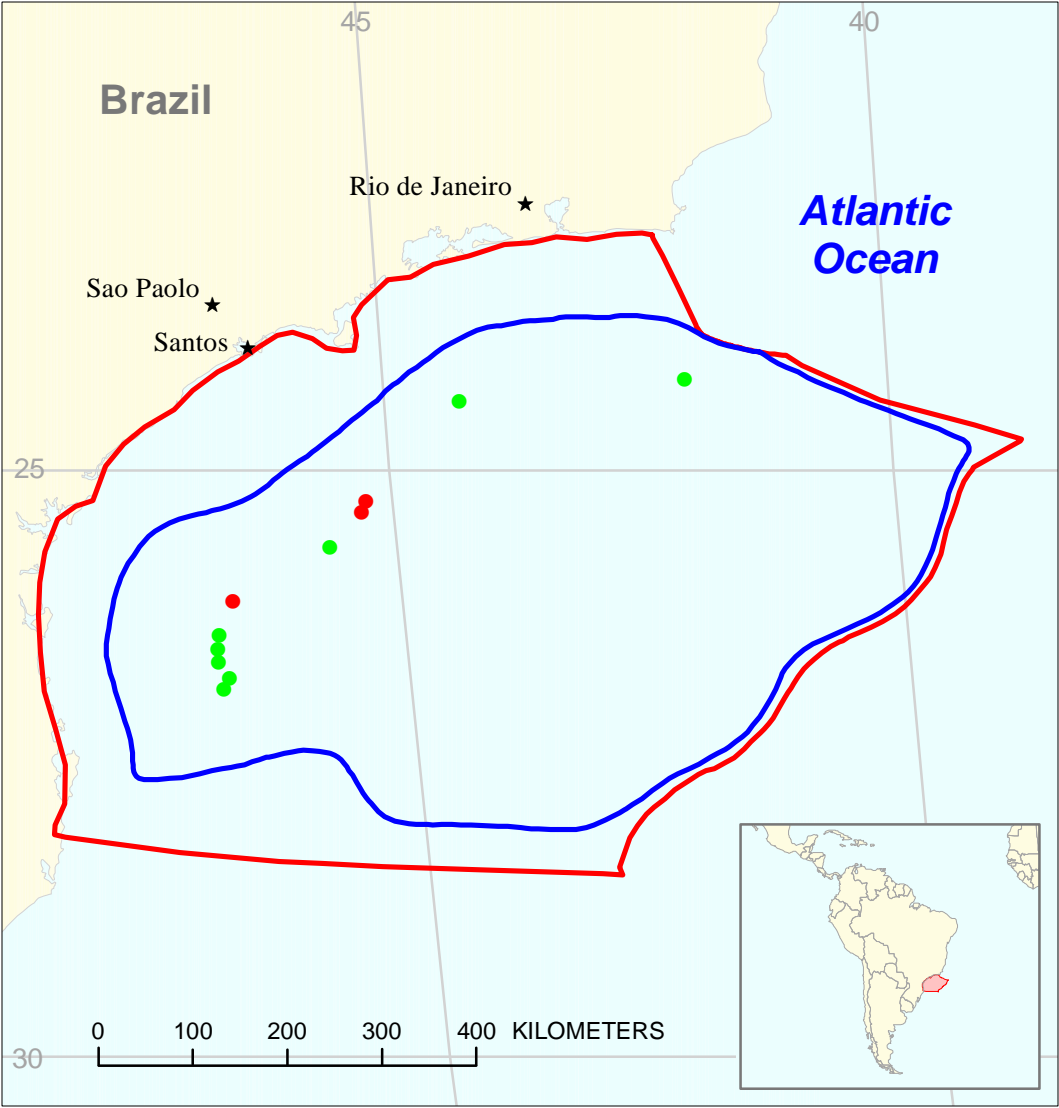





Santos Basin Geologic Province 6036



-  Guaratiba-Guaruja (Cretaceous) Composite Total Petroleum System 603601
-  Santos Basin Geologic Province 6036

 Guaratiba-Guaruja
(Cretaceous) Composite
Total Petroleum System 603601

Santos Basin, Province 6036
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

6036 Total: Assessed onshore portions of Santos Basin Province

Oil Fields		0.00	0	0	0	0	0	0	0	0	0	0	0	0
Gas Fields						0	0	0	0	0	0	0	0	0
Total		0.00	0	0	0	0	0	0	0	0	0	0	0	0

6036 Total: Assessed offshore portions of Santos Basin Province

Oil Fields		1.00	4,117	21,963	46,265	23,209	7,645	37,302	85,054	40,723	429	2,177	5,372	2,442
Gas Fields							9,955	37,114	78,603	39,824	407	1,585	3,652	1,752
Total		1.00	4,117	21,963	46,265	23,209	17,600	74,416	163,657	80,547	837	3,763	9,024	4,194

6036 Grand Total: Assessed portions of Santos Basin Province

Oil Fields		1.00	4,117	21,963	46,265	23,209	7,645	37,302	85,054	40,723	429	2,177	5,372	2,442
Gas Fields							9,955	37,114	78,603	39,824	407	1,585	3,652	1,752
Total		1.00	4,117	21,963	46,265	23,209	17,600	74,416	163,657	80,547	837	3,763	9,024	4,194

Santos Basin, Province 6036
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

603601 Guaratiba-Guaruja (Cretaceous) Composite Total Petroleum System

60360101 Santos Shelf Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to OFFSHORE province 6036)

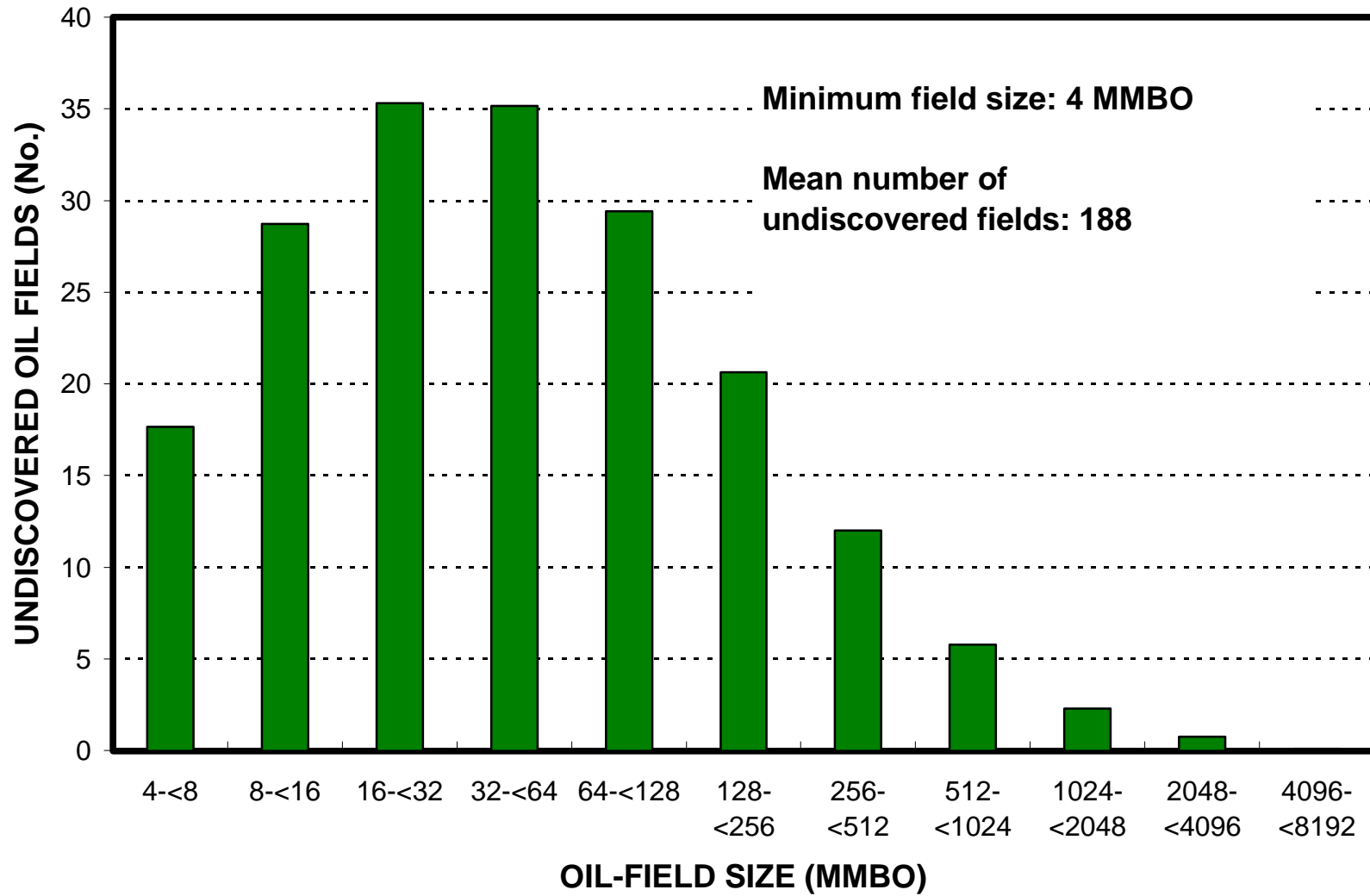
Oil Fields	4	1.00	4,117	13,034	25,548	13,723	7,645	25,256	54,452	27,463	429	1,475	3,458	1,647
Gas Fields	24						9,955	33,433	67,106	35,411	407	1,428	3,132	1,559
Total			1.00	4,117	13,034	25,548	13,723	17,600	58,689	121,558	62,874	837	2,903	6,589

60360102 Salt-Structured Deep-Water Sandstones Assessment Unit (100% of undiscovered oil fields and 100% of undiscovered gas fields allocated to OFFSHORE province 6036)

Oil Fields	8	0.90	0	8,929	20,717	9,486	0	12,045	30,602	13,260	0	702	1,914	795
Gas Fields	48						0	3,681	11,497	4,413	0	157	520	194
Total			0.90	0	8,929	20,717	9,486	0	15,727	42,099	17,673	0	859	2,434

Santos Basin, Province 6036

Undiscovered Field-Size Distribution



Santos Basin, Province 6036

Undiscovered Field-Size Distribution

