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BUSINESS ENVIRONMENT

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The ***Oil and Gas Onshore Environment in Brazil*** is product of the joint work between the most varied institutions acting in this segment, with the objective of providing solidity to the analyses of opportunities in Brazil. We highlight here our expressions of gratitude to our Partners and Sponsors, who not only contributed to making this project a reality, but also added content to the end result.

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Table 2. Evolution of onshore total reserves, in Brazil and states.

	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017
Oil (in millions of barrels)										
Brazil	1,456,1	1,478,3	1,492,1	1,576,3	1,475,5	1,444,8	1,169,8	951,8	1,042,1	906,3
% Proven	62%	63%	61%	58%	62%	61%	71%	70%	62%	66%
% Probable and Possible	38%	37%	39%	42%	38%	39%	29%	30%	38%	34%
Amazonas	164,2	200,5	211,4	192,3	168,6	167,0	89,6	61,9	49,7	45,8
Maranhão	-	-	-	-	-	0,1	0,0	0,1	0,1	0,3
Ceará	23,1	20,6	19,7	17,6	31,0	31,2	30,4	19,6	4,1	0,7
Rio Grande do Norte	349,5	357,6	333,9	351,3	355,6	335,9	326,6	246,9	243,4	231,9
Alagoas	15,9	14,2	14,5	21,2	14,6	16,1	14,0	12,3	8,0	8,6
Sergipe	342,6	295,9	331,5	319,4	306,9	294,2	296,1	272,4	334,3	344,9
Bahia	475,6	505,6	501,3	597,2	522,6	531,4	343,2	286,8	346,8	224,1
Espírito Santo	85,1	83,7	79,8	77,3	76,3	69,0	69,9	51,9	55,7	50,0
Paraná	0,0	0,0	0,0	0,0	-	-	-	-	-	-
Natural Gas (in million m³)										
Brazil	115.730,3	118.939,7	117.227,1	118.523,9	140.979,4	116.584,5	100.998,0	86.575,4	76.258,6	78.741,6
% Proven	57%	55%	59%	60%	51%	60%	71%	82%	81%	84%
% Probable and Possible	43%	45%	41%	40%	49%	40%	29%	18%	19%	16%
Amazonas	90.452,6	93.908,5	94.456,3	95.742,8	89.236,6	86.963,3	74.486,1	51.225,4	38.686,3	40.757,1
Maranhão	-	-	-	-	29.704,6	8.651,9	8.405,6	17.677,2	20.412,2	20.822,2
Ceará	-	-	-	-	-	-	6,6	0,0	-	-
Rio Grande do Norte	2.172,3	2.365,1	2.188,7	2.277,2	3.274,7	2.548,9	2.209,7	2.108,8	2.241,1	2.257,9
Alagoas	4.906,8	4.450,2	4.173,3	4.335,8	4.222,9	4.335,3	3.757,1	2.907,7	2.626,9	2.482,9
Sergipe	1.306,3	1.343,0	1.483,7	1.912,7	1.756,3	1.813,6	1.730,0	1.565,3	1.629,0	1.591,5
Bahia	14.849,6	15.149,2	13.379,4	12.510,6	12.055,5	11.553,3	9.452,5	10.324,1	9.833,4	10.344,3
Espírito Santo	1.265,6	953,4	731,7	919,3	728,7	718,1	950,4	766,9	829,7	485,6
Paraná	777,1	770,3	813,9	825,6	-	-	-	-	-	-

Source: ANP, 2018.

Table 3. Onshore Areas under Open Acreage, by state.

State	Total Blocks
Rio Grande do Norte	186
Bahia	159
Alagoas	101
Sergipe	62
Espírito Santo	52
Ceará	35
Minas Gerais	35
Amazonas	22
Mato Grosso do Sul	20
Maranhão	17
Piauí	6
Blocks that are divided into two states	
Ceará and Rio Grande do Norte	12
Maranhão and Piauí	7
Alagoas	3
Mato Grosso do Sul and Goiás	2
Amazonas and Pará	1
Bahia and Espírito Santo	1
Mato Grosso do Sul and São Paulo	1

Source: ANP, 2018.

Table 4. Operating companies and some onshore E&P partners corporations, in Brazil.

Exploratory Blocks		Fields under Development		Fields in Production	
Operator	Blocks	Operator	Fields	Operator	Fields
Alvopetro	10	Imetame	4	Alipetro	1
Cemes	3	Petrobras	11	Alvopetro	2
Cisco	1	Petrosynergy	1	Arclima	1
Cowan Petróleo e Gás	6	Vipetro	2	Central Resources	3
Galp Energia Brasil	2	Petroenergy	2	EPG Brasil	2
Geopark Brasil	8	Ubutu Engenharia	2	Guto & Cacal	1
Great Oil	1	PGN	2	Imetame	4
Imetame	20	Perícia	1	IPI	1
Nova Petróleo	9	Phoenix	1	Leros	1
Parnaíba Gás Natural	17	Guindastes Brasil	2	Maha Energy	1
Petra Energia	15	Alvopetro	3	Nord	1
Petrobras	43	Newo	2	Nova Petróleo	4
Petrosynergy	1	Engepet	1	Oceania	1
Recôncavo Energia	4	Energizzi	1	Petrobras	210
SHB	1			Petroil	1
Shell Brasil	1			Petrosynergy	11
Tek	1			Parnaíba Gás Natural	5
TOG Brasil	10			Phoenix	1
Vipetro	2			Proen	1
Bertek Ltda	2			Recôncavo E&P	5
Ouro Preto Energia	7			Santana	1
Norteoleum	3			Vipetro	3
Phoenix	2				
Great Energy	3				
Petroil	3				
Maha Energy	6				

Some partners corporations in the consortiums		
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Barra Energia	ONGC Campos	Queiroz Galvão
BP Energy	OP Energia	Repsol Sinopec
Brasãoil Manati	OP Pescada	SHB
Chevron Brasil	Orteng	Shell
CNODC Brasil	Petro Vista	Sinochem Petróleo
CNOOC Petroleum	Petrobras	Sonangol Guanambi
Dommo Energia	Petrogal Brasil	TDC
ERG	Phoenix Petróleo	Total E&P do Brasil
Frade	QPI Brasil	

Source: ANP, 2018.

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