

FEDERATIVE REPUBLIC OF BRAZIL

MINISTRY OF MINES AND ENERGY



anp
Agência Nacional
do Petróleo,
Gás Natural e Biocombustíveis

**CONCESSION AGREEMENT FOR OIL AND NATURAL GAS EXPLORATION
AND PRODUCTION**

"NAME_SIGEP"

NO. "CONTRACT_NUMBER"

BETWEEN

NATIONAL AGENCY OF PETROLEUM, NATURAL GAS AND BIOFUELS - ANP

AND

"SIGNATORY_01_OPERATOR"

"SIGNATARIA_02"

BRAZIL
2026 (Version 04.06)

CONCESSION AGREEMENT FOR OIL AND NATURAL GAS EXPLORATION AND PRODUCTION

between themselves

AGÊNCIA NACIONAL DO PETRÓLEO, GÁS NATURAL E BIOCOMBUSTÍVEIS - ANP (hereinafter referred to as "ANP"), a special agency created by Law no. 9.478, of August 6, 1997, part of the Indirect Federal Administration, linked to Ministry of Mines and Energy, with headquarters at SGAN (Setor de Grandes Áreas Norte) Quadra 603, Módulo I, 3º andar, Brasília, DF, and Central Office at Avenida Rio Branco, nº 65, Centro, Rio de Janeiro, RJ, hereby represented by its Director-General, "director_general",

"signatory_01_operator", a commercial company incorporated under the laws of Brazil, with registered office at "endereco_01" registered with the National Register of Legal Entities (CNPJ/MF) under No. "cnpj_01" (hereinafter referred to as the "Concessionaire"), hereby represented by "signatory_01_representative_01", «signataria_01_cargo_01», and "signataria_01_representante_02", «signataria_01_cargo_02»,

and

"signatory_02", a commercial company incorporated under the laws of Brazil, with its registered office at "endereco_02" registered with the National Register of Legal Entities (CNPJ/MF) under no. "cnpj_02" (hereinafter referred to as the "Concessionaire"), hereby represented by "signatory_02_representative_01", «signataria_02_cargo_01», and "signatory_02_representative_02", «signataria_02_cargo_02».

WHEREAS

that, under the terms of articles 20, V and IX, and 176, caput, of the Constitution of the Federative Republic of Brazil and article 3 of Law 9.478/1997, oil and natural gas deposits existing in the national territory, on the continental shelf and in the exclusive economic zone belong to the Federal Government;

that, under the terms of art. 177, I, of the Constitution of the Federative Republic of Brazil and art. 4 of Law no. 9.478/1997, the Exploration and Mining of Petroleum and Natural Gas Reserves existing in the national territory, on the continental shelf and in the exclusive economic zone constitute a monopoly of the Federal Government;

that, under the terms of Article 177, Paragraph 1, of the Constitution of the Federative Republic of Brazil and Article 5 of Law No. 9.478/1997, the Federal Government may allow state-owned or private companies, incorporated under Brazilian law, with headquarters and administration in the country, to carry out Oil and Natural Gas Exploration and Production activities, by means of a concession, in the manner established by the legislation in force;

that, under the terms of Article 21 of Law No. 9.478/1997, all Oil and Natural Gas Exploration and Production rights in national territory, on the continental shelf and in the exclusive economic zone belong to the Federal Government, and are administered by ANP, with the exception of the powers of other bodies and entities expressly established by law;

that, under the terms of Article 8 of Law No. 9.478/1997, ANP's purpose is to promote the regulation, contracting and inspection of the economic activities that make up the Oil, Natural Gas and Biofuels Industry;

that it is the responsibility of ANP, representing the Federal Government, to enter into Concession Agreements with the Concessionaire for the Exploration and Production of Oil and Natural Gas that comply with the provisions of articles 23 and 24 of Law 9.478/1997;

that, under the terms of articles 25 and 26 of Law 9.478/1997, and having met the requirements established in Section I of Chapter V, ANP and the Concessionaire are authorized to enter into this Concession Agreement, which shall be governed, where applicable, by the general rules of Section I and the provisions of Section VI, both of Chapter V of the aforementioned Law;

that, under the terms of articles 36 to 42 of Law No. 9.478/1997, the Concessionaire participated in the bidding process for the award of this Concession Agreement, having been awarded and homologated the bidding process in which it was declared the winner, in the Block defined in Annex I;

that, pursuant to Article 46 of Law No. 9.478/1997, the Concessionaire has paid ANP the Signature Bonus in the amount indicated in Annex VI;

that, under the terms of the tender protocol of the Open Acreage of Concession and article 43, V, of Law No. 9.478/1997, the Concessionaire submitted to ANP the financial guarantee required to support compliance with the Minimum Exploratory Program offered;

ANP and the Concessionaire enter into this Concession Agreement for the Exploration and Production of Oil and Natural Gas for the Block identified in Annex I, in accordance with the following clauses and conditions.

CAPÍTULO I - BASIC PROVISIONS	8
1 CLAUSE ONE - DEFINITIONS	8
<i>Legal definitions</i>	8
<i>Contractual definitions</i>	8
2 CLAUSE SECOND - OBJECT	12
<i>Oil and Natural Gas Exploration and Production</i>	12
<i>Costs, Losses and Risks Associated with the Execution of Operations</i>	12
<i>Ownership of Oil and Natural Gas</i>	13
<i>Other Natural Resources</i>	13
3 CLAUSE THIRD - CONCESSION AREA.....	13
<i>Identification</i>	13
<i>Voluntary Returns</i>	14
<i>Return conditions</i>	14
<i>Disposal by ANP of the Returned Areas</i>	14
<i>Data Collection on Non-Exclusive Basis</i>	14
4 CLAUSE FOURTH - DURATION.....	15
<i>Duration and Division into Phases</i>	15
CAPÍTULO II - EXPLORATION AND EVALUATION.....	16
5 CLAUSE FIFTH - OPERATING PHASE	16
<i>Start and Duration</i>	16
<i>Minimum Exploratory Program</i>	16
<i>Exploratory Work Plan</i>	18
<i>Extension of the Exploration Phase and Suspension of the Agreement</i>	18
<i>Concessionaire's option to close the operating phase</i>	19
<i>Decommissioning of the Concession Area in the Exploration Phase</i>	19
6 CLAUSE SIX - COMPENSATORY PENALTY CLAUSE FOR FAILURE TO COMPLY WITH THE MINIMUM EXPLORATORY PROGRAM	19
<i>Compensatory Penalty Clause for Non-Compliance with the Minimum Exploratory Program</i>	19
<i>Financial Guarantee of the Minimum Exploratory Program</i>	19
<i>Types of Financial Guarantees</i>	20
<i>Updating Financial Guarantees</i>	20
<i>Validity of Financial Guarantees</i>	20
<i>Return of Financial Guarantees</i>	21
<i>Execution of Compensatory Penalty Clause</i>	21
7 CLAUSE SEVENTH - DISCOVERY AND EVALUATION	22
<i>Discovery Notification</i>	22
<i>Evaluation, Oil or Natural Gas Discovery Evaluation Plan and Final Discovery Evaluation Report s of Oil or Natural Gas</i>	22
<i>Avaliação de Descoberta por meio de Teste de Longa Duração</i>	22
8 CLAUSE EIGHT - DECLARATION OF COMMERCIALITY.....	22
<i>Declaration of Commerciality</i>	22
<i>Postponement of the Declaration of Commerciality</i>	23
CAPÍTULO III - DEVELOPMENT AND PRODUCTION	25
9 CLAUSE NINTH - PRODUCTION PHASE	25
<i>Start and Duration</i>	25
<i>Extension at the request of the Concessionaire</i>	25
<i>Extension by ANP</i>	25
<i>Consequence of the Extension</i>	25
<i>Field return</i>	26
10 CLAUSE TENTH - DEVELOPMENT PLAN	26
<i>Deadlines</i>	26
<i>Development Area</i>	27
<i>Approval and Implementation of the Development Plan</i>	27
<i>Revisions and changes</i>	28

	<i>Constructions, Installations and Equipment</i>	28
	<i>Emissions</i>	28
11	CLAUSE ELEVENTH - PRODUCTION START DATE AND ANNUAL PROGRAMS	28
	<i>Start of Production</i>	28
	<i>Annual Production Program</i>	28
	<i>Approval of the Annual Production Program</i>	29
	<i>Review of the Annual Production Program</i>	29
	<i>Variation of Volume Produced</i>	29
	<i>Temporary interruption of production</i>	29
	<i>Annual Work Program and Production Phase Budget</i>	30
12	CLAUSE TWELFTH - MEASUREMENT, MONTHLY BULLETINS AND AVAILABILITY OF PRODUCTION.....	30
	<i>Measurement</i>	30
	<i>Monthly Bulletins Production</i>	31
	<i>Making Production Available</i>	31
	<i>Free disposal</i>	31
	<i>Supplying the National Market</i>	31
	<i>Consumption in Operations</i>	31
	<i>Test Results</i>	32
	<i>Losses of Oil and Natural Gas and Natural Gas Flaring</i>	32
13	CLAUSE THIRTEENTH - INDIVIDUALIZATION OF PRODUCTION.....	33
	<i>Agreement of Individualization of Production</i>	33
14	CLAUSE FOURTEEN - DISCOVERY, EVALUATION AND DEVELOPMENT OF NEW RESERVOIRS IN THE PRODUCTION PHASE.....	33
	CAPÍTULO IV - EXECUTION OF OPERATIONS.....	34
15	CLAUSE FIFTEENTH - EXECUTION BY THE CONCESSIONAIRE	34
	<i>Dealer exclusivity</i>	34
	<i>Appointment of the Operator by the Concessionaire</i>	34
	<i>Licenses, Authorizations and Permits</i>	36
	<i>Free Access to the Concession Area</i>	36
	<i>Drilling and Abandoning Wells</i>	36
	<i>Additional work</i>	36
	<i>Data Acquisition outside the Concession Area</i>	37
16	CLAUSE SIXTEENTH - CONTROL OF OPERATIONS AND ASSISTANCE BY ANP.....	37
	<i>Monitoring and Inspection by ANP</i>	37
	<i>Access and Control</i>	37
	<i>Dealer assistance</i>	37
	<i>ANP Disclaimer</i>	38
17	CLAUSE SEVENTEENTH - DATA AND INFORMATION	38
	<i>Supply by the Dealer</i>	38
	<i>Processing or Analysis Abroad</i>	38
18	CLAUSE EIGHTEENTH- GOODS	39
	<i>Goods, Equipment, Facilities and Materials</i>	39
	<i>Licenses, Authorizations and Permits</i>	39
	<i>Expropriations and easements</i>	39
	<i>Facilities or Equipment outside the Concession Area</i>	39
	<i>Reversal of Assets</i>	40
	<i>Financial Guarantees from Decommissioning</i>	40
	<i>Assets to be Reversed</i>	41
	<i>Removal of non-reverted assets</i>	41
19	CLAUSE NINETEENTH - STAFF, SERVICES AND SUBCONTRACTS	41
	<i>Staff</i>	41
	<i>Services</i>	42
20	CLAUSE TWENTIETH - LOCAL CONTENT	42
	<i>Concessionaire's Commitment to Local Content</i>	42
	<i>Local Content Measurement</i>	43
	<i>Local Content Surplus</i>	44

	<i>Fine for Non-Compliance with Local Content</i>	44
21	CLAUSE TWENTY-FIRST - OPERATIONAL SAFETY AND THE ENVIRONMENT	45
	<i>Operations Safety and Environmental Control</i>	45
	<i>Social Responsibility</i>	46
	<i>From Liability for Damages</i>	46
22	CLAUSE TWENTY-SECOND - INSURANCE.....	46
	<i>Insurance</i>	46
	CAPÍTULO V - GOVERNMENTAL PARTICIPATIONS AND INVESTMENTS IN RESEARCH, DEVELOPMENT AND INNOVATION	48
23	CLAUSE TWENTY-THIRD - PARTICIPATIONS.....	48
	<i>Government and third-party holdings</i>	48
24	CLAUSE TWENTY-FOURTH - RESOURCES FOR RESEARCH, DEVELOPMENT AND INNOVATION.....	48
25	CLAUSE TWENTY-FIFTH - TRIBUTES.....	49
	<i>Tax regime</i>	49
	<i>Certificates and Proof of Good Standing</i>	49
26	CLAUSE TWENTY-SIXTH - CURRENCY	50
	<i>Currency</i>	50
27	CLAUSE TWENTY-SEVENTH - ACCOUNTING AND FINANCIAL AUDIT BY ANP	50
	<i>Accounting</i>	50
	<i>Auditing</i>	50
	CAPÍTULO VI - GENERAL PROVISIONS	52
28	CLAUSE TWENTY-EIGHTH - ASSIGNMENT OF THE AGREEMENTASSIGNMENT	52
	<i>Individual Participation in Rights and Obligations</i>	52
	<i>Partial Transfer of Area in the Exploration Phase</i>	52
	<i>New Concession AgreementIn</i>	53
	<i>Transfer of Area in the Production Phase</i>	53
	<i>Nullity of the Assignment of Rights and Obligations and the Need for Prior and Express Approval</i>	53
	<i>Approval of Assignment</i>	53
	<i>Duration and Effectiveness of the Assignment</i>	54
	<i>Guarantee of Rights Arising from the Concession</i>	55
29	CLAUSE TWENTY-NINTH - RELATIVE DEFAULT AND PENALTIES	55
	<i>Sanctions Legal and Contractual</i>	55
30	THIRTIETH CLAUSE - TERMINATION OF AGREEMENT	55
	<i>Extinction of Full Rights</i>	55
	<i>Termination at the will of the parties: Bilateral and unilateral termination</i>	56
	<i>Termination for Absolute Default: Resolution</i>	56
	<i>Consequences of Termination</i>	57
31	CLAUSE THIRTY-FIRST - UNFORESEEABLE CIRCUMSTANCES, FORCE MAJEURE AND SIMILAR CAUSES	57
	<i>Total or Partial Exoneration</i>	57
	<i>Environmental licensing</i>	58
	<i>Losses</i>	59
32	CLAUSE THIRTY-SECOND - CONFIDENTIALITY	59
	<i>Obligation of the Concessionaire</i>	59
	<i>ANP's commitment</i>	60
33	CLAUSE THIRTY-THIRD - NOTIFICATIONS , REQUESTS, COMMUNICATIONS AND REPORTS	60
	<i>Notifications, Requests, Plans, Programs, Reports and other Communications</i>	60
	<i>Addresses</i>	60
	<i>Validity and Effectiveness</i>	60
	<i>Amendments to the Articles of Association</i>	60
34	CLAUSE THIRTY-FOURTH - LEGAL SYSTEM	61
	<i>Applicable Law</i>	61

Conciliation.....61
Mediation.....61
Independent expert61
Arbitration.....61
Forum.....63
Suspension of Activities63
Justifications.....64
Continuous Application64

35 **CLAUSE THIRTY-FIFTH - FINAL PROVISIONS**..... 64
Execution of the Agreement.....64
Modifications and Additives.....64
Advertising65

ANNEX I - AREA OF CONCESSION67

ANNEX II - MINIMUM EXPLORATORY PROGRAM.....68

ANNEX III - FINANCIAL GUARANTEE OF THE MINIMUM EXPLORATORY PROGRAM70

ANNEX IV - PERFORMANCE GUARANTEE71

ANNEX V - GOVERNMENT HOLDINGS AND THIRD PARTIES72

ANNEX VI - PAYMENT OF THE SIGNATURE BONUS.....73

ANNEX VII - DESIGNATION OF OPERATOR74

CAPÍTULO I - BASIC PROVISIONS

CLAUSE ONE - DEFINITIONS

Legal definitions

1.1. The definitions contained in art. 6 of Law no. 9.478/1997, in art. 2 of Law no. 12.351, of December 22, 2010, and in art. 3 of Decree no. 2.705, of August 3, 1998, are hereby incorporated into this Agreement and, consequently, shall apply for all purposes and effects, whenever they are used in the singular or plural, in the masculine or feminine.

Contractual definitions

1.2. Also for the purposes and effects of this Agreement, the definitions contained in this paragraph shall apply in addition whenever the following words and expressions are used in the singular or plural, in the masculine or in the feminine:

- 1.2.1. **Affiliate:** a legal entity that carries out a business activity and is linked to the Concessionaire as a subsidiary, controlling shareholder or through a direct or indirect common control relationship.
- 1.2.2. **Concession Area:** the area of the Block whose surface projection is delimited by the polygon defined in Annex I or the portions of the Block area that remain retained by the Concessionaire after the partial returns provided for in this Agreement.
- 1.2.3. **Development Area:** any portion of the Concession Area retained for the Development Phase.
- 1.2.4. **Area of the Camp:** the area circumscribed by the polygon that defines the Camp when the Development Plan is approved.
- 1.2.5. **Appraisal:** an exploratory activity that aims to investigate a Discovery in the Concession Area in order to verify its commerciality, using technologies that may be accepted by ANP, in accordance with the Best Practices of the Petroleum Industry.
- 1.2.6. **Well Evaluation:** profiling and formation testing activities carried out between Drilling Completion and Well Completion which, in conjunction with other activities previously carried out on the well, will allow verification of the occurrence of zones of interest for the presentation of any Oil or Natural Gas Discovery Evaluation Plan.
- 1.2.7. **Assignment:** total or partial transfer of ownership of rights and obligations arising from the Agreement; merger, demerger and incorporation, when the corporate reorganization results in a change of any of the Concessionaires; change of Operator; and exemption from and replacement of the performance guarantee.
- 1.2.8. **Concessionaire:** individually or collectively, the legal entities carrying out business activities that are members of the consortium, including the Operator.

- 1.2.9. **Well Completion:** the moment when activities directly related to the drilling of a well (including, where applicable, profiling, casing and cementing) have been completed and the final depth has been reached, from which point all Operations refer exclusively to the dismantling, demobilization or movement of the unit. For cases in which the Well Evaluation and/or completion is started up to 60 (sixty) days after the end of the activities directly related to the drilling of the well or its temporary abandonment, the moment in which the dismantling, demobilization or movement of the unit used to carry out the Well Evaluation and/or completion begins will be considered.
- 1.2.10. **Agreement:** main body of this document and its annexes.
- 1.2.11. **Consortium Agreement:** a contractual instrument governing the rights and obligations of the Concessionaires with regard to this Agreement.
- 1.2.12. **Declaration of Commerciality:** formal written notification submitted to ANP declaring one or more deposits to be a Commercial Discovery in the Concession Area.
- 1.2.13. **Discovery:** any occurrence of Oil or Natural Gas in the Concession Area, regardless of quantity, quality or commerciality, verified by at least two methods of detection or Evaluation.
- 1.2.14. **Decommissioning of facilities:** a set of activities associated with the definitive interruption of the operation of facilities, the permanent abandonment and razing of wells, the removal of facilities, the proper disposal of materials, waste and tailings and the environmental recovery of the area.
- 1.2.15. **Development Phase:** a contractual phase that begins with ANP's approval of the Development Plan and continues during the Production Phase as long as investments are required in wells, equipment and facilities for the Production of Oil and Natural Gas in accordance with the Oil Industry's Best Practices.
- 1.2.16. **Extraction of First Oil:** date of the first measurement of volumes of Oil and Natural Gas at one of the Production Measurement Points in each Development Module.
- 1.2.17. **Exploration Phase:** contractual period in which Exploration and Evaluation must take place.
- 1.2.18. **Production Phase:** contractual period in which Development and Production must take place.
- 1.2.19. **Brazilian supplier:** any manufacturer or supplier of goods produced or services provided in Brazil, through companies incorporated under Brazilian law or those that make use of goods manufactured in the country under special customs regimes and tax incentives applicable to the Oil and Natural Gas Industry.
- 1.2.20. **Individualization of Production:** a procedure aimed at dividing the results of Production and the rational use of the Federal Government's natural resources, by unifying the Development and Production of the deposit that extends beyond the Concession Area.
- 1.2.21. **Applicable Legislation:** a set of Brazilian laws, decrees, regulations, resolutions, ordinances, normative instructions or any other normative acts that

affect or may affect the Parties or the activities of Exploration, Appraisal, Development and Production of Oil and Natural Gas, as well as the Decommissioning of Facilities.

- 1.2.22. **Macro-group:** set of goods and services acquired or contracted by the Concessionaires to carry out the activities in the segments defined in this Agreement with specific Local Content commitments.
- 1.2.23. **Oil Industry Best Practices:** the best and safest procedures, technical standards, recommendations and technologies drawn up by standardizing institutions, bodies and associations in the Oil and Natural Gas Industry around the world, which stand out among the generally accepted ones, adopted in similar conditions and circumstances, and which make it possible to: (i) guarantee the operational safety of facilities, preserving life, physical integrity and human health; (ii) preserve the environment and protect affected communities; (iii) avoid or reduce as far as possible the risks of leaks of Oil, Natural Gas, derivatives and other chemical products that may be harmful to the environment; (iv) the conservation of oil and gas resources, which implies the use of appropriate methods and processes to maximize the recovery of hydrocarbons in a technically, economically and environmentally sustainable manner, with the corresponding control of the decline of reserves, and the minimization of surface losses, avoiding or reducing them; (v) minimizing the consumption of natural resources in Operations; (vi) avoiding or reducing greenhouse gas emissions as much as possible.
- 1.2.24. **Development Module:** an individualized module comprising facilities and infrastructure for the Production of Oil and Natural Gas from one or more Reservoirs in a given Field, according to the Development Plan approved by ANP.
- 1.2.25. **New Reservoir:** accumulation of Oil or Natural Gas other than those already in Production or under Evaluation.
- 1.2.26. **Operation:** any Exploration, Appraisal, Development, Production or Facility Decommissioning activity carried out in sequence, jointly or separately by the Concessionaire, for the purposes of this Agreement.
- 1.2.27. **Operator:** Concessionaire appointed, in the form of Annex VII, to conduct and execute all the Operations provided for in this Agreement on behalf of the Concessionaires.
- 1.2.28. **Party:** signatory to the Agreement.
- 1.2.29. **Evaluation Plan for Oil or Natural Gas Discoveries:** document specifying the work program and the respective investments required for the Evaluation of a Discovery or set of Discoveries of Oil or Natural Gas in the Concession Area.
- 1.2.30. **Development Plan:** a document specifying the work program, schedule and respective investments required for the Development and Production of a Discovery or set of Discoveries of Oil and Natural Gas in the Concession Area, including its abandonment.
- 1.2.31. **Exploration Work Plan:** instrument specifying the activities and the respective schedules and budgets for the Exploration Phase, as well as for the time when the remaining obligations are executed.

- 1.2.32. **Annual Production Program:** a document detailing production forecasts and the movement of oil, natural gas, water, special fluids and waste from the production process in each development area or field.
- 1.2.33. **Annual Work Program and Budget for the Production Phase:** document specifying the set of activities to be carried out by the Concessionaire for the next five-year period, including details of the investments required to carry out the activities in the Production Phase.
- 1.2.34. **Facility Decommissioning Program:** document presented by the Concessionaire whose content must include the information, projects and studies necessary for planning and carrying out Facility Decommissioning.
- 1.2.35. **Minimum Exploration Program:** the work program set out in Annex II, to be carried out by the Concessionaire during the Exploration Phase.
- 1.2.36. **Local Content Report:** document to be submitted by the Concessionaire to ANP detailing the amounts spent for the purposes of calculating Local Content.
- 1.2.37. **Facility Decommissioning Report:** document submitted by the Concessionaire describing all the activities carried out during Facility Decommissioning and the associated costs.
- 1.2.38. **Local Content Inspection Report:** technical opinion issued by ANP that assesses compliance with the contractual commitments declared by the Operator in the Local Content Report, prior to the initiation of any sanctioning process.
- 1.2.39. **Final Oil or Natural Gas Discovery Evaluation Report:** document that describes the Oil or Natural Gas Discovery Evaluation Operations, under the terms of the Oil or Natural Gas Discovery Evaluation Plan approved by ANP, presents its results and, if approved by ANP, gives effect to the Declaration of Commerciality.
- 1.2.40. **Seismic reprocessing:** the process of submitting seismic data to new processing, with the aim of obtaining quality gains in the results achieved.
- 1.2.41. **Social Responsibility:** the Concessionaire's responsibility for the impacts of its decisions and activities on society and the environment, through ethical and transparent behavior that (i) contributes to sustainable development, including the health and well-being of society, and takes into account the expectations of stakeholders; (ii) complies with the Best Practices of the Petroleum Industry; and (iii) is integrated into the Concessionaire and practiced in its relationships, which refer to the Concessionaire's activities within its sphere of influence.
- 1.2.42. **Production Collection System:** set of installations and equipment designed to transfer the fluids produced from the wells to the Production units, as well as transferring the fluids for injection into the Field.
- 1.2.43. **Production Flow System:** a set of facilities and equipment designed to move Oil and Natural Gas from Production units to facilities outside the Concession Area or to other Production units in the same Concession Area.
- 1.2.44. **Early Production System:** a temporary installation with limited capacity, designed to anticipate Production and obtain data and information to

better characterize the Reservoir, for the purposes of adjusting the Development Plan.

- 1.2.45. **Drilling Completion:** the moment when the final depth of the well is reached, with no prospect of further progress.
- 1.2.46. **Extended Well Test:** a test in a well with a total free-flow time of more than 72 (seventy-two) hours, carried out with a view to obtaining data that allows interpretations to be made in order to subsidize the Deposit Evaluation.
- 1.2.47. **Work Unit:** unit of conversion for different exploratory works, used for the purposes of measuring the execution of the Minimum Exploratory Program provided for in Annex II.

CLAUSE SECOND - OBJECT

Oil and Natural Gas Exploration and Production

2.1. The purpose of this Agreement is to execute the following in the Concession Area:

- a) Exploration Operations committed to in the Minimum Exploration Program or additional to it, under the terms of an Exploration Work Plan approved by ANP;
- b) of Discovery Evaluation activities, in the event of a Discovery, at the Concessionaire's discretion, under the terms of an Oil or Natural Gas Discovery Evaluation Plan approved by ANP, and in addition thereto, under the terms of an Exploratory Work Plan approved by ANP; and
- c) of Oil and Natural Gas Development and Production Operations, if the Concessionaire verifies the commerciality of the Discovery, under the terms of a Development Plan approved by ANP.

Costs, Losses and Risks Associated with the Execution of Operations

- 2.2. The Concessionaire shall at all times assume, on an exclusive basis, all costs and risks related to the execution of the Operations and their consequences.
- 2.3. The Concessionaire shall bear all losses it may incur, including those resulting from acts of God or force majeure, as well as accidents or natural events affecting the Exploration and Production of Oil and Natural Gas in the Concession Area.
- 2.4. The Concessionaire shall not be entitled to any payment, reimbursement, restitution, refund or indemnity in the event of exploratory failure or lack of commerciality of any Discoveries in the Concession Area.
- 2.5. The Concessionaire shall be solely liable for its own acts and those of its agents and subcontractors, as well as for compensation for any damage caused by the Operations and their execution, regardless of fault.

- 2.5.1. The Federal Government and ANP must be reimbursed for any costs they may incur as a result of any claims motivated by acts for which the Concessionaire is responsible.
- 2.6. The Federal Government and ANP will not assume any operational risks or losses, nor will they bear the costs and investments related to the execution of the Operations and their consequences.

Ownership of Oil and Natural Gas

- 2.7. Oil and natural gas deposits in the national territory, on the continental shelf and in the exclusive economic zone belong to the Federal Government, in accordance with articles 20, V and IX of the Constitution of the Federative Republic of Brazil and 3 of Law 9.478/1997.
- 2.7.1. The Concessionaire shall only own the Oil and Natural Gas that is actually produced and transferred to it at the Production Measurement Point, by means of original acquisition and under the terms of this Agreement.
- 2.7.2. The Concessionaire will be subject to charges relating to taxes and Government Participation, as well as other charges provided for in Applicable Legislation.

Other Natural Resources

- 2.8. The Concessionaire is prohibited from using, enjoying or disposing of, in any way and for any reason, in whole or in part, any other natural resources that may exist in the Concession Area other than Oil and Natural Gas, except when authorized by the competent bodies, under the terms of the Applicable Legislation.
- 2.8.1. The chance encounter of natural resources other than oil and natural gas must be notified to ANP within a maximum of 72 (seventy-two) hours.
- 2.8.2. The Concessionaire must comply with the instructions and allow the execution of the relevant measures determined by ANP or other competent authorities.
- 2.8.3. Until such instructions are presented to it, the Concessionaire must refrain from any measures that could jeopardize or in any way damage the natural resources discovered.
- 2.8.4. The Concessionaire shall not be obliged to suspend its activities, except in cases where these put the discovered natural resources or the Operations at risk.
- 2.9. Any interruption of Operations, exclusively due to the fortuitous encounter of other natural resources, shall have its period computed and recognized by ANP for the purpose of extending this Agreement.

CLAUSE THIRD - CONCESSION AREA

Identification

- 3.1. Operations must be carried out exclusively in the Concession Area, described and delimited in Annex I.

Voluntary Returns

3.2. The Concessionaire may voluntarily return areas within the Concession Area at any time.

Voluntary returns must be notified to ANP in writing.

3.2.1. Voluntary returns shall not relieve the Concessionaire of responsibility for complying with the plans and programs, as well as the Facility Decommissioning activities.

3.2.2. The Facility Decommissioning Program must be submitted to ANP for approval, under the terms of the Applicable Legislation.

3.2.3. At the end of the Exploration Phase, the Concessionaire may only retain the Development Area as a Concession Area.

3.3. Return on termination of agreement Termination of this Agreement for any reason shall oblige the Concessionaire to return the entire Concession Area to ANP immediately.

3.4. The Facility Decommissioning Program must be submitted to ANP for approval, under the terms of the Applicable Legislation.

Return conditions

3.5. Any and all returns of areas or fields that are part of the Concession Area, as well as the consequent reversion of assets, will be final and will be made by the Concessionaire free of charge of any kind to the Federal Government or ANP, under the terms of art. 28, §§ 1 and 2 of Law 9.478/1997, and the Concessionaire will not be entitled to any compensation.

3.6. The return of areas or Fields forming part of the Concession Area does not release the Concessionaire from the liability provided for in paragraph 21.8.

Disposal by ANP of the Returned Areas

3.7. ANP, once notified by the Concessionaire of the return of an exploratory area or after the process of returning areas in Development or Production has begun, may dispose of them, including for the purposes of new bids.

Data Collection on Non-Exclusive Basis

3.8. ANP may, at its sole discretion, authorize third parties to carry out geological, geochemical, geophysical and other work of the same nature in the Concession Area, with a view to gathering technical data for commercialization on a non-exclusive basis, under the terms of art. 8, III, of Law nº 9.478/1997 and the Applicable Legislation.

3.8.1. The execution of these services, except in exceptional situations approved by ANP, may not affect the normal course of Operations.

3.8.2. The Concessionaire shall have no liability whatsoever in relation to the performance of said services by third parties or any damage related thereto.

CLAUSE FOURTH - DURATION

Duration and Division into Phases

- 4.1. This Agreement will be in force and effective from the date it is signed by all those who enter into it and is divided into two phases:
- a) Exploration Phase, for the entire Concession Area, with a duration defined in Annex II; and
 - b) Production Phase, for each Field, with a duration defined in Clause Ninth.
- 4.2. The term of this Agreement shall correspond to the period elapsed from the date of its signature by all those who enter into it until the end of the Exploration Phase, unless there is a Declaration of Commerciality of one or more Discoveries, in which case there shall be an increase under the terms of Clause Ninth.
- 4.3. To this total duration shall be added any extensions that may be authorized by ANP under the terms of the Agreement.
- 4.4. The expiry of the term, subject to the provisions of paragraph 4.3, shall result in the termination of the Agreement by operation of law.

CAPÍTULO II - EXPLORATION AND EVALUATION

CLAUSE FIFTH - OPERATING PHASE

Start and Duration

- 5.1. The Exploration Phase will consist of a single period and will have the duration set out in Annex II.
- 5.2. The Exploration Phase shall begin on the date of signature of this Agreement and shall end:
- a) with the expiry of the deadline set out in Annex II;
 - b) with the total return of the Concession Area; or
 - c) in the case of an area previously withheld for Discovery Assessment:
 - i. with the presentation of the Declaration of Commerciality; or
 - ii. with the return of the area.

Minimum Exploratory Program

- 5.3. The Concessionaire must carry out the obligations relating to the Minimum Exploratory Program within the time limits and conditions described in Annex II.
- 5.3.1. For the purposes of complying with the Minimum Exploratory Program, non-exclusive data purchased at any time may be accepted, applying the rules and reduction factor indicated in Annex II.
- 5.4. The Concessionaire may carry out additional exploratory activities to the Minimum Exploratory Program, under the terms of the Exploratory Work Plan.
- 5.5. ANP may approve changes to the Minimum Exploratory Program, at the request of the Concessionaire, provided that:
- a) technically demonstrated that such a change is compatible with Petroleum Industry Best Practices; and
 - b) indicated the Prospectus that motivated the request for amendment.
- 5.5.1 The Agreement will be automatically suspended if ANP does not decide, before the end of the Exploration Phase, on the request for changes to the Minimum Exploratory Program.
- 5.6. Seismic reprocessing may be converted into Work Units for the purposes of complying with the Minimum Exploratory Program.
- 5.6.1. The conversion of Seismic Reprocessings into Work Units is limited to a single abatement request for each original seismic program.
- 5.6.2. For the purpose of conversion into Work Units:

- a) Seismic reprocessing must include the migration of data in time or depth;
- b) the entire length of the seismic program contained within the block must be reprocessed; and
- c) only the portion of the reprocessed seismic program contained within the block will be considered.

5.7. The Concessionaire may contract, at its own risk, data acquisition companies (EAD) to acquire exclusive data, under the terms of the Applicable Legislation.

5.8. ANP will issue a quality control report for the return or acceptance of the data received within 90 (ninety) days from the date of delivery of the last shipment of data, provided that the Concessionaire informs, at the time of shipment, that the data is related to the abatement process of the Minimum Exploratory Program and/or return of the financial guarantee of the Minimum Exploratory Program.

5.9. For the purposes of complying with the Minimum Exploration Program, only data whose acquisition, processing or reprocessing has been delivered and evaluated by ANP in accordance with the requirements defined in the Applicable Legislation will be converted into Work Units.

5.10. Exploratory work will be converted into Work Units for the purposes of complying with the Minimum Exploratory Program, in accordance with the criteria set out in Annex II.

5.11. Failure to carry out part or all of the Minimum Exploration Program shall result in the full termination of the Agreement and the enforcement of the compensatory penalty clause provided for in Clause Six, and no other penalties shall be applicable as a result of such failure.

5.11.1. The values of the activities of the Minimum Exploration Program not carried out are defined in Work Units and are net, and may be demanded from the Concessionaire or the guarantor, always monetarily adjusted by the General Price Index - Internal Availability (IGP-DI), published by the Getúlio Vargas Foundation, under the terms of paragraph 6.9.

5.11.2. Exceptions to the provisions of paragraph 5.11 are any Development Areas retained by the Concessionaire and the case provided for in paragraph 5.12.1.

5.12. In the event of total or partial non-compliance with the Minimum Exploratory Program, the Concessionaire will not be able to proceed to the Production Phase.

5.12.1. ANP may, at the reasoned request of the Concessionaire, exempt it from complying with the remaining part of the Minimum Exploratory Program, without prejudice to the continuity of the Agreement.

5.12.1.1. In return for this exemption, the Concessionaire will pay an amount in cash corresponding to twice the total number of Work Units not completed, monetarily adjusted by the IGP-DI or any other index that may replace it, under the terms of paragraph 6.9.

5.12.1.2. The Agreement will be automatically suspended if ANP does not decide, before the end of the Exploration Phase, on the request for exemption from compliance with the remaining portion of the Minimum Exploratory Program.

- 5.12.1.3. Once the conditions set out above have been met, the Minimum Exploratory Program shall be deemed to have been fully complied with for all purposes of the Agreement.

Exploratory Work Plan

- 5.13. The Concessionaire must submit the Exploration Work Plan to ANP, under the terms of the Applicable Legislation.

Extension of the Exploration Phase and Suspension of the Agreement

- 5.14. The Concessionaire may request ANP, with good reason, to extend the Exploration Phase or suspend the Agreement.
- 5.15. The Agreement will be automatically suspended if ANP does not decide, before the end of the Exploration Phase, on the request to extend the Exploration Phase or to suspend the Agreement.
 - 5.15.1. The Agreement will be suspended from the end of the Exploration Phase until ANP makes a final decision.
 - 5.15.2. Once the Agreement is suspended, the deadlines for submitting Declarations of Commerciality and Evaluation Plans for Oil or Natural Gas Discoveries will also be suspended.
 - 5.15.3. During the suspension of the Agreement provided for in paragraph 5.15, the Concessionaire may not carry out Exploration activities in the area, unless expressly authorized in advance by ANP, in which case the suspension shall be converted into a precautionary extension of the Agreement.
- 5.16. If the Concessionaire makes a late Discovery during the Exploration Phase, at such a time that it has not been possible to carry out the Discovery Assessment before the end of this phase, the Concessionaire may request ANP to extend the Exploration Phase for the period necessary to carry out the Assessment phase and eventual Declaration of Commerciality, under the terms of an Oil or Natural Gas Discovery Assessment Plan approved by ANP.
 - 5.16.1. The extension referred to in paragraph 5.16 is limited to the area of retention of the Oil or Natural Gas Discovery Evaluation Plan approved by ANP.
 - 5.16.2. In the event of paragraph 5.16, the Exploration Phase will be suspended on the last day of its term until ANP decides on the Oil or Natural Gas Discovery Assessment Plan and, consequently, on the request for an extension to carry out the Discovery Assessment.
- 5.17. If, at the end of the Exploration Phase, the drilling of an exploratory well is in progress without the Well Evaluation having been completed, the Exploration Phase will be extended until the Well Completion date, with an additional 60 (sixty) days for the submission of any proposal for an Oil or Natural Gas Discovery Evaluation Plan.
 - 5.17.1. The reasoned request for an extension due to a well in progress must be sent by the Concessionaire to ANP at least 72 (seventy-two) hours before the end of the Exploration Phase, in which case the Concessionaire is hereby

authorized to proceed with the urgent work, unless ANP expressly decides otherwise.

- 5.17.2. The deadline for this request may be reduced, provided that it is technically justified by the Concessionaire and approved by ANP.

Concessionaire's option to close the operating phase

5.18. The Concessionaire may terminate the Exploration Phase at any time by notifying ANP.

- 5.18.1. Closure will not release the Concessionaire from compensation for any failure to comply with the Minimum Exploratory Program.

Decommissioning of the Concession Area in the Exploration Phase

5.19. The Concessionaire shall submit to ANP the Facility Decommissioning Program, under the terms of the Applicable Legislation.

CLAUSE SIX - COMPENSATORY PENALTY CLAUSE FOR FAILURE TO COMPLY WITH THE MINIMUM EXPLORATORY PROGRAM

Compensatory Penalty Clause for Non-Compliance with the Minimum Exploratory Program

6.1. As a compensatory penalty clause for non-compliance with the Minimum Exploratory Program, the Concessionaire shall be subject to payment of a contractual fine in an amount equivalent to the Minimum Exploratory Program not complied with, as provided for in paragraphs 6.14 and 6.15.

Financial Guarantee of the Minimum Exploratory Program

6.2. The Concessionaire shall provide ANP with one or more financial guarantees for the Minimum Exploratory Program, in accordance with the amount set out in Annex II, within the period established in the tender protocol.

6.3. The financial guarantees submitted must be accompanied by a letter signed by all the Concessionaires expressing their full awareness of paragraph 15.3.1 and that the obligations of the Minimum Exploration Program are indivisible, with each Concessionaire jointly and severally liable for compensation in the event of non-compliance.

6.4. If the Concessionaire fails to provide the appropriate financial guarantees, the Agreement will be terminated in respect of the areas that are not under Development.

Types of Financial Guarantees

- 6.5. The Concessionaire may provide ANP with the following types of financial guarantee for the compensatory penalty clause for non-compliance with the Minimum Exploratory Program:
- a) letter of credit;
 - b) guarantee insurance;
 - c) Oil and Natural Gas pledge agreements; and
 - d) security deposit, exclusively for blocks on land.
- 6.6. The financial guarantees may be cumulated in order to total the guaranteed amount.
- 6.7. The financial guarantees shall comply with the form indicated in the tender protocol.
- 6.8. Financial guarantees can only be replaced or altered after approval by ANP.

Updating Financial Guarantees

- 6.9. The value of the Minimum Exploration Program, secured by a financial guarantee, will be automatically monetarily adjusted on January 1st of each calendar year by the IGP-DI variation for the immediately preceding year, except on the January 1st immediately following the publication of the tender protocol, when there will be no adjustment.
- 6.9.1. If a new financial guarantee is issued, the amount guaranteed may not be less than the amount set out in Annex II.
- 6.10. The Concessionaire must submit the updated financial guarantees to ANP by February 15th of each calendar year.
- 6.10.1. The annual presentation of the guarantee update is waived if the type of guarantee presented already contains in its instrument a clause for automatic monetary update by the IGP-DI.

Validity of Financial Guarantees

- 6.11. The validity of the financial guarantee must exceed by at least 180 (one hundred and eighty) days the date set for the end of the Exploration Phase.
- 6.11.1. The financial guarantees must be renewed whenever necessary, already in the monetarily updated amount, subject to the provisions of paragraph 6.9.
- 6.12. If the financial guarantees deteriorate, the Concessionaire must replace them or provide additional guarantees.
- 6.12.1. If the guarantee has been presented in the form of an Oil and Natural Gas pledge agreement, ANP may notify the Concessionaire to, under the terms of the tender protocol and the pledge agreement signed between the parties, call in the guarantee margin or, alternatively, request that a new guarantee be presented to ANP, in order to cover any difference between the required guarantee and the actual guarantee, within 60 (sixty) days of receiving the notification.

Return of Financial Guarantees

6.13. If there are no pending issues, ANP will issue a certificate of completion of the Minimum Exploratory Program within 30 (thirty) days of its conclusion and will then return the respective financial guarantees.

Execution of Compensatory Penalty Clause

6.14. In the event of non-compliance with the Minimum Exploratory Program, ANP will order the Concessionaire to pay, as a compensatory penalty clause, within 30 (thirty) days, the amount corresponding to the unfulfilled portion of the Minimum Exploratory Program, updated by the IGP-DI, without any discount for voluntary payment.

6.14.1. In the event of voluntary non-payment, ANP will execute the amount due up to the limit guaranteed by the financial guarantees, and will register the remaining debt as an active debt, plus the applicable legal charges.

6.14.2. The amount equivalent to the unfulfilled Minimum Exploration Program will be updated by the IGP-DI until the date on which the actual payment is made.

6.14.3. ANP's declaration of non-compliance with the agreement is immediately effective and constitutes sufficient cause for the enforcement of the guarantee offered, including guarantee insurance.

6.14.4. The suspension of the execution of the financial guarantee by decision of ANP, under the terms of paragraph 34.5 "m", or of an arbitration or court decision in force, does not prevent ANP from reporting the claim to the insurer, within the term of the respective guarantee.

6.14.5. When the suspension is terminated without reversal of the administrative decision referred to in paragraph 6.14.4, the effective enforcement of the financial guarantee shall take place when the suspension is terminated, even if the original term of the guarantee has expired.

6.15. Receipt of the amount corresponding to the compensatory penalty clause for failure to comply with the Minimum Exploratory Program:

a) does not exempt the Concessionaire from complying with the other obligations arising from the Agreement;

b) is without prejudice to ANP's right to seek other reparations and apply any applicable sanctions for acts other than mere non-performance of the Minimum Exploratory Program; and

c) does not entitle the Concessionaire to proceed to the Production Phase.

6.16. In the escrow deposit modality, the guarantee will be executed by withdrawing the updated value of the penalty clause corresponding to the portion of the Minimum Exploratory Program not executed, by means of correspondence from ANP to the depositary, regardless of prior authorization from the depositor.

CLAUSE SEVENTH - DISCOVERY AND EVALUATION

Discovery Notification

- 7.1. Any Discovery in the Concession Area must be notified by the Concessionaire to ANP, exclusively, within a maximum of 72 (seventy-two) hours.

Evaluation, Oil or Natural Gas Discovery Evaluation Plan and Final Discovery Evaluation Reports of Oil or Natural Gas

- 7.2. The Concessionaire may, at its discretion, carry out an Appraisal of a Discovery at any time during the Exploration Phase.
- 7.3. If the Concessionaire decides to proceed with the Appraisal of a Discovery, it must submit an Oil or Natural Gas Discovery Appraisal Plan to ANP for approval, under the terms of the Applicable Legislation.
- 7.4. The activities of the Oil or Natural Gas Discovery Evaluation Plan may be counted as Work Units for the purposes of complying with the Minimum Exploration Program, provided that such activities are carried out within the Exploration Phase period not extended by the Oil or Natural Gas Discovery Evaluation Plan, and can be classified as Work Units under the terms set out in the tender protocol and Annex II.
- 7.5. Once the Appraisal of a Discovery has been completed, the Concessionaire must submit a Final Oil or Natural Gas Discovery Appraisal Report to ANP for approval, which must indicate and justify any proposal to retain the Commercial Discovery Development Area, under the terms of the Applicable Legislation.
- 7.6. Discovery Assessment through Extended Well Testing Discovery Evaluation through Extended Well Test the Plan for the Evaluation of Oil or Natural Gas Discoveries includes a Extended Well Test, the Concessionaire must apply to ANP for specific authorization to carry it out.
- 7.7. The execution of the Extended Well Test without the use or reinjection of Natural Gas will be limited to a period of 180 (one hundred and eighty) days, except in exceptional cases, at the discretion of ANP.

CLAUSE EIGHT - DECLARATION OF COMMERCIALITY

Declaration of Commerciality

- 8.1. Once the Oil or Natural Gas Discovery Evaluation Plan approved by ANP has been completed, the Concessionaire may, at its discretion, make a Declaration of Commerciality of the Discovery , under the terms of the Applicable Legislation.
- 8.1.1. The Declaration of Commerciality will only become effective after ANP has approved the Final Report on the Evaluation of Oil or Natural Gas Discoveries.

- 8.2. Failure to submit the Declaration of Commerciality by the end of the Exploration Phase will result in the full termination of the Agreement in relation to the respective area withheld for Discovery Evaluation.
- 8.3. The presentation of one or more Declarations of Commerciality will not exempt the Concessionaire from complying with the Minimum Exploratory Program.

Postponement of the Declaration of Commerciality

- 8.4. If the main accumulation of hydrocarbons discovered and evaluated in a Concession Area is Natural Gas, the Concessionaire may request authorization from ANP to postpone the Declaration of Commerciality by up to 5 (five) years, in the following cases:
- a) the lack of a market for the natural gas to be produced, with the expectation of its creation in less than 5 (five) years;
 - b) lack or insufficiency of transportation infrastructure to handle the Natural Gas to be produced by the Concessionaire, with the expectation of its implementation in less than 5 (five) years;
 - c) the volume of the Discovery is such that its commerciality depends on additional Discoveries in the Block itself or in adjacent Blocks, with a view to the joint Development of the Operations.
- 8.5. If the main accumulation of hydrocarbons discovered and evaluated in a Concession Area is Petroleum, the Concessionaire may request authorization from ANP to postpone the Declaration of Commerciality by up to 5 (five) years, in the following cases:
- a) lack of Production, Flow or Refining technology expected to emerge in less than 5 (five) years;
 - b) the volume of the Discovery is such that its commerciality depends on additional Discoveries in the Block itself or in adjacent Blocks, with a view to the joint Development of the Operations.
- 8.6. The Concessionaire may request ANP to extend the period for postponing the submission of the Declaration of Commerciality by up to five (5) additional years.
- 8.7. The postponement of the deadline for submitting the Declaration of Commerciality will apply exclusively to the area previously withheld for Discovery Assessment.
- 8.8. During the postponement of the deadline for submitting the Declaration of Commerciality, the Agreement will be suspended in relation to the area previously withheld for the Discovery Assessment.
- 8.9. If ANP considers that the reason for the postponement referred to in paragraphs 8.4 and 8.5 has been overcome, it will notify the Concessionaire to submit, at its discretion, a Declaration of Commerciality within a period of up to 30 (thirty) days.
- 8.9.1. If the Concessionaire decides to submit a Declaration of Commerciality, it must submit a Development Plan for approval by ANP within a maximum period of 180 (one hundred and eighty) days from said notification, and the provisions of paragraph 10.1 shall not apply.

CAPÍTULO III - DEVELOPMENT AND PRODUCTION

CLAUSE NINTH - PRODUCTION PHASE

Start and Duration

- 9.1. The Production Phase of each Development Area will begin on the date of submission of the Declaration of Commerciality and will last for 27 (twenty-seven) years.
- 9.2. The provisions of this Clause Ninth relating to the extension or termination of the Agreement shall apply to each Development Area or Field individually.

Extension at the request of the Concessionaire

- 9.3. The Concessionaire may request an extension of the period set out in paragraph 9.1, and must submit a request to ANP at least 24 (twenty-four) months before the end of this period, accompanied by a revision of the Development Plan.
- 9.3.1. ANP will rule on the request to revise the Development Plan and extend the Production Phase within a maximum period of 180 (one hundred and eighty) days, and may justifiably refuse the Concessionaire's proposal or make it conditional on modifications to the revised Development Plan.

Extension by ANP

- 9.4. ANP may request the Concessionaire to continue operating the field by notifying it at least 270 (two hundred and seventy) days before the scheduled end of production.
- 9.4.1. ANP's request can only be refused on justification based, among other reasons, on proven uneconomicality.
- 9.4.1.1. If the Concessionaire refuses, ANP will have a period of 60 (sixty) days from receipt of the justification to analyze the arguments presented and decide on the matter.
- 9.4.2. After 90 (ninety) days from ANP's proposal, the absence of a response from the Concessionaire shall be deemed implied acceptance.
- 9.4.3. The Agreement will be extended for the additional time indicated by ANP.

Consequence of the Extension

- 9.5. In the event of an extension of the Production Phase, pursuant to paragraphs 9.3 or 9.4, the Parties shall continue to be bound by the exact terms and conditions of this Agreement, with the sole exception of any modifications agreed upon as a result of and for the purposes of such extension.
- 9.5.1. At the end of the Production Phase, paragraphs 9.3 or 9.4 shall apply, where applicable, for the purposes of any new extension.

Field return

- 9.6. The field must be returned to ANP at the end of production.
- 9.7. The Concessionaire shall submit to ANP a Facility Decommissioning Program in accordance with Applicable Legislation and Petroleum Industry Best Practices.
- 9.8. The total or partial termination of this Agreement or the end of the Production Phase shall not release the Concessionaire from its obligations relating to the Decommissioning of Facilities, in particular compliance with the Facilities Decommissioning Program, until ANP approves the respective Facilities Decommissioning Report.
- 9.9. At its discretion, ANP may adopt the necessary measures to continue operating the field, and may even promote new agreements over the last 5 (five) years before the date set for the end of production.
- 9.9.1. The Concessionaire shall make every effort and take all appropriate measures to properly transfer the Operations to the new concessionaire, so as not to jeopardize the administration and Production of the Field.
- 9.10. The Concessionaire shall submit to ANP a Facility Decommissioning Program in accordance with the Applicable Legislation.
- 9.10.1. The Agreement is automatically extended if the schedule for the execution of the Facility Decommissioning Program is later than the end of the Production Phase, for the period necessary for its approval and implementation.
- 9.11. At the end of the term of the Agreement and if there are commercially extractable reserves, ANP may order the Concessionaire not to permanently abandon certain wells or to decommission or remove certain installations and equipment, without prejudice to its right to return the area.

CLAUSE TENTH - DEVELOPMENT PLAN**Deadlines**

- 10.1. The Concessionaire must submit the Development Plan to ANP within 180 (one hundred and eighty) days of submitting the Declaration of Commerciality or receiving notice of approval of the Final Assessment Report for Oil or Natural Gas Discoveries, whichever is the later.
- 10.2. Untimely delivery of the Development Plan will subject the Concessionaire to the sanctions provided for in Clause Twenty-Nine and the Applicable Legislation.
- 10.3. If the Development Plan has not been submitted within the established deadline, ANP will notify the Concessionaire to submit it within a maximum of 30 (thirty) days, at the end of which time the Agreement will be terminated as of right in relation to the respective Development Area.

Development Area

10.4. The Development Area should cover all the deposits to be produced.

10.4.1. The Development Area shall be delimited based on the data and information obtained during the Exploration Phase and the Discovery Assessment, in accordance with Applicable Legislation and the Best Practices of the Petroleum Industry.

10.4.2. During the Development Phase, the Concessionaire may request ANP to modify the Development Area in order to incorporate other parts of the Concession Area, provided that, cumulatively:

- a) one or more deposits are found to extend beyond the Development Area; and
- b) the parcels to be incorporated have not been returned by the Concessionaire in compliance with the provisions of the Agreement.

10.5. The Development Area to be retained will be the one included in the Final Oil or Natural Gas Discovery Evaluation Report approved by ANP.

10.6. The Concessionaire shall retain from the Development Area only the Area of the Field approved by ANP under the Development Plan.

10.6.1. The Concessionaire shall immediately return the remaining installments to ANP, subject to the provisions of paragraphs 3.5 and 3.6.

Approval and Implementation of the Development Plan

10.7. ANP will have a period of 180 (one hundred and eighty) days from receipt of the Development Plan to approve it or request the Concessionaire to make any changes it deems appropriate.

10.7.1. If ANP does not make a decision within this period, the Development Plan will be considered approved, without prejudice to ANP's power/duty to demand revisions whenever necessary.

10.7.2. If ANP requests modifications, the Concessionaire must submit the modified Development Plan within the time limit set by ANP, repeating the procedure set out in paragraph 10.7.

10.8. Failure by ANP to approve the Development Plan, after exhaustion of the appropriate administrative appeals, will result in the full termination of the Agreement in relation to the respective Development Area.

10.9. Until the Development Plan is approved, any work, Operations or anticipation of Production will depend on prior authorization from ANP, under the terms of the Applicable Legislation.

10.9.1. Any anticipation of Production must be requested in a reasoned manner, in an application which must comply with the precepts of conservation of oil resources, guarantee of operational safety and environmental preservation.

10.10. The Operations will be conducted in accordance with the Development Plan approved by ANP.

Revisions and changes

10.11. The provisions of paragraphs 10.7 to 10.9 shall apply to revisions of the Development Plan provided for in the Applicable Legislation, where applicable, including with regard to the non-approval of revisions by ANP.

Constructions, Installations and Equipment

10.12. The Concessionaire will be responsible for all constructions and installations and for supplying the equipment for extraction, primary processing of Natural Gas, the Production Collection System, storage, measurement and Production Transfer.

10.12.1. The definition by the Concessionaire of the actions related to paragraph 10.12, including the contribution of the necessary resources, will be mandatory for the characterization of commerciality and the Development of the Discovery.

Emissions

10.13. The Concessionaire must present development alternatives in the Development Plan, also taking into account the reduction of the carbon intensity of the asset's life cycle.

CLAUSE ELEVENTH - PRODUCTION START DATE AND ANNUAL PROGRAMS

Start of Production

11.1. The Field's Production Start Date must occur within a maximum period of 5 (five) years, extendable at ANP's discretion, counting from the date of submission of the Declaration of Commerciality.

11.1.1. The Concessionaire shall notify ANP of the Production Start Date no later than 72 (seventy-two) hours after its occurrence.

11.2. Oil and Natural Gas Production at a Production facility can only begin after the installation of a Natural Gas recovery or re-injection system has been completed, except in cases expressly authorized by ANP, in order to minimize Natural Gas flaring.

Annual Production Program

11.3. The Concessionaire shall submit to ANP the Annual Production Program for the calendar year in which Production begins at least 60 (sixty) days prior to the Production Start Date, under the terms of the Applicable Legislation.

11.4. The Concessionaire must submit the Annual Production Program for the following year to ANP by October 31st of each calendar year, under the terms of the Applicable Legislation.

Approval of the Annual Production Program

- 11.5. ANP will have a period of 30 (thirty) days from receipt of the Annual Production Program to approve it or request any modifications it deems appropriate from the Concessionaire.
- 11.5.1. If ANP requests changes, the Concessionaire must resubmit the Annual Production Program including such changes within 30 (thirty) days of the request, repeating the procedure set out in paragraph 11.5.
- 11.5.2. If the Concessionaire disagrees with the proposed changes, it may discuss them with ANP, aiming at adjusting the changes to be implemented in the Annual Production Program, to the extent that ANP deems pertinent and in accordance with Best Practices in the Petroleum Industry.
- 11.6. The Concessionaire will be obliged to comply with the Annual Production Program with any modifications determined by ANP.
- 11.7. If, at the beginning of the period to which a given Annual Production Program refers, the Parties are discussing any modifications proposed by ANP as a result of the application of the provisions of paragraph 11.5, the lowest Production level among those proposed by the Concessionaire and ANP shall be used in any month until the final definition of the Annual Production Program.

Review of the Annual Production Program

- 11.8. The Parties may adjust, at any time, the revision of an ongoing Annual Production Program, provided that such revision satisfies the provisions of paragraphs 11.3 and 11.4.
- 11.9. When the review is proposed by ANP, the Concessionaire will have 30 (thirty) days from receipt of the notification to discuss it with ANP and submit a revised Annual Production Program.
- 11.10. The provisions of paragraph 11.5 shall apply to any revisions.

Variation of Volume Produced

- 11.11. The volume produced in the Field each month may not vary by more than 15% (fifteen percent) in relation to the volume referring to the level of Production forecast for the corresponding month in the Annual Production Program.
- 11.11.1. In the event of a variation greater than the aforementioned percentage, the Concessionaire must submit a justification to ANP by the 15th (fifteenth) day of the month following the variation.
- 11.11.2. A variation of more than this percentage will be allowed if it is due to technical reasons, unforeseeable circumstances, force majeure or similar causes to be assessed by ANP.

Temporary interruption of production

- 11.12. The Concessionaire may request ANP to voluntarily halt production in a field for a period of one (1) year, which may be extended at ANP's discretion.

- 11.12.1. ANP will assess the request within 60 (sixty) days, renewable for the same period, and may request clarifications from the Concessionaire.
- 11.12.2. The evaluation period will restart once the requested clarifications have been submitted.
- 11.13. The voluntary interruption of Production shall not entail the suspension of the term of the Agreement.

Annual Work Program and Production Phase Budget

- 11.14. The same provisions apply to the Annual Work Program and Budget for the Production Phase as regards delivery, approval and review procedures.
- 11.15. The first Annual Work Program and Budget for the Production Phase must cover the remainder of the current year and must be submitted by the Concessionaire no later than 60 (sixty) days from the date of the Declaration of Commerciality.
 - 11.15.1. If there are more than 6 (six) months to go until the end of the year, the Annual Work Program and Budget for the Production Phase must be sent, with the current year as the reference year.
 - 11.15.2. If there are less than six (6) months to go until the end of the year, only the Annual Work Program and Budget for the Production Phase, which has the following year as its reference year, must be sent by October 31st of that year, or by the deadline set out in paragraph 11.15 if this is later than October 31st.
 - 11.15.3. An exception may be made to paragraph 11.15.2 if there are activities to be effectively carried out by the Concessionaire in the second half of the current year, provided that the presentation of the Annual Work Program and Budget for the Production Phase is preceded by prior consultation with ANP as to its real need.

CLAUSE TWELFTH - MEASUREMENT, MONTHLY BULLETINS AND AVAILABILITY OF PRODUCTION

Measurement

- 12.1. From the Production Start Date of each Development Area or Field, the Concessionaire shall periodically and regularly measure the volume and quality of Oil and Natural Gas produced at the Production Measurement Point.
 - 12.1.1. The methods, equipment and measuring instruments provided for in the respective Development Plan and in accordance with the Applicable Legislation must be used.

Monthly Bulletins Production

12.2. The Concessionaire must submit to ANP a monthly Production Bulletin for each Development Area or Field.

12.2.1. The bulletin must be submitted by the 15th (fifteenth) day of each month, starting from the month following that in which the Production Start Date for each Field occurs.

Making Production Available

12.3. Ownership of the volumes of Petroleum and Natural Gas measured pursuant to paragraph 12.1 shall vest in the Concessionaire at the Production Measurement Point.

12.3.1. The quantification of volumes will be subject, at any time, to inspection and to the corrections provided for in the Applicable Legislation.

Free disposal

12.4. The Concessionaire is guaranteed free disposal of the volumes of Petroleum and Natural Gas granted to it under the terms of paragraph 12.3.

Supplying the National Market

12.5. In emergency situations that may jeopardize the national supply of Oil and Natural Gas, as well as their derivatives, ANP may order the Concessionaire to limit its exports of these hydrocarbons.

12.5.1. Emergency situations are those decreed by the President of the Republic.

12.5.2. The portion of production with limited exports should be used to supply the Brazilian market or to build up strategic stocks for the country.

12.5.3. ANP will notify the Concessionaire of the limitation on exports at least thirty (30) days in advance.

12.5.4. The Production share to which the restriction on free disposal applies shall be determined each month in relation to the proportion of the Concessionaire's share of national Oil and Natural Gas Production for the immediately preceding month.

Consumption in Operations

12.6. The Concessionaire may use oil and natural gas produced in the Concession Area as fuel when carrying out operations, provided that the quantities authorized by ANP are used.

12.6.1. The Concessionaire shall inform ANP, by means of a reasoned notification, of any variation of more than 15% (fifteen percent) in relation to the Annual Production Program in the quantity of Oil and Natural Gas consumed in the Operations and the purpose of use.

12.6.2. The Concessionaire must include this information in the monthly Production bulletins.

12.6.3. The volumes of Oil and Natural Gas consumed in the Transactions shall be computed for the purpose of calculating the Government and third-party Participations due, as provided for in Clause Twenty-Three.

Test Results

12.7. The data, information, results, interpretations, static and dynamic Reservoir models and flow regimes obtained from the formation tests, Extended Well Tests or Early Production Systems during the execution of the Operations under this Agreement must be sent to ANP within 5 (five) days of their being obtained, concluded or according to the deadline defined in the Applicable Legislation or other deadline defined by ANP.

12.7.1. Among the documents submitted, the volumes of oil, natural gas and water produced must be included.

12.7.2. In the case of Extended Well Tests, the information must be sent to ANP in accordance with the periodicity established in the approved Annual Work Programs and Production Phase Budget.

12.7.3. Production and movements from Extended Well Tests and Early Production Systems must be reported using the monthly Production bulletin.

12.8. The volumes of Petroleum and Natural Gas produced during the Extended Well Tests shall be awarded to the Concessionaire under the terms of paragraph 12.3 and computed for the purpose of calculating the Government and third party Participations due under Clause Twenty-Three.

12.9. Royalties are due as a result of Oil and Natural Gas Production from Extended Well Tests, which must be calculated monthly, starting from the month in which production occurs, and paid, in national currency, by the last working day of the following month.

Losses of Oil and Natural Gas and Natural Gas Flaring

12.10. Losses of Oil or Natural Gas incurred under the Concessionaire's responsibility, as well as *flaring* of Natural Gas, shall be included in the Total Production Volume to be calculated for the purpose of payment of Government and third party Participations, without prejudice to the application of the provisions of Clauses Twenty-nine and Thirty.

12.11. Burning Natural Gas in *flares* will only be permitted for safety, emergency and commissioning reasons, with the maximum volume being that specified in the Applicable Legislation.

CLAUSE THIRTEENTH - INDIVIDUALIZATION OF PRODUCTION

Agreement of Individualization of Production

- 13.1. An Oil and Natural Gas Production Individualization Procedure must be set up, under the terms of the Applicable Legislation, if it is identified that a Reservoir extends beyond the Concession Area.

CLAUSE FOURTEEN - DISCOVERY, EVALUATION AND DEVELOPMENT OF NEW RESERVOIRS IN THE PRODUCTION PHASE

- 14.1. Any Discovery of a New Oil or Natural Gas Reservoir must be notified by the Concessionaire to ANP, exclusively, within a maximum of 72 (seventy-two) hours. The notification must be accompanied by all the relevant data and information available.
- 14.2. The Concessionaire may, at its discretion, carry out a New Reservoir Discovery Assessment at any time during the Production Phase.
 - 14.2.1. If the Concessionaire decides to carry out an Evaluation of the Discovery of a New Reservoir, it must present the Evaluation activities in the Annual Work Program and Budget for the Production Phase, observing the procedures set out in Clause Eleven.
- 14.3. If the Concessionaire decides to proceed with the Development of a New Reservoir, it must notify ANP and, within 180 (one hundred and eighty) days of the notification, submit a Development Plan to ANP, under the terms of the Applicable Legislation.
- 14.4. The Development or Production of a New Reservoir will only be authorized after approval by ANP, under the terms of the Applicable Legislation.

CAPÍTULO IV - EXECUTION OF OPERATIONS

CLAUSE FIFTEENTH - EXECUTION BY THE CONCESSIONAIRE

Dealer exclusivity

15.1. The Concessionaire, subject to the terms, conditions and duration of the Agreement, shall hold the exclusive right to carry out Operations in the Concession Area.

Appointment of the Operator by the Concessionaire

15.2. The Operator is appointed by the Concessionaire to, on its behalf:

- a) conduct and execute the Operations provided for in this Agreement;
- b) submit plans, programs, guarantees, proposals and communications to ANP;
- c) receive responses, requests, proposals and other communications from ANP.

15.3. The Operator shall be responsible for full compliance with all obligations of the Concessionaire set forth in this Agreement relating to any aspect of the Operations and the payment of Government Participations.

15.3.1. In the case of a consortium, all the Concessionaires will be jointly and severally liable for full compliance with all the obligations of the Agreement.

15.4. The Operator may transfer responsibility for the Operation at any time by submitting an application to ANP under the terms of Clause Twenty-Eight and the Applicable Legislation.

15.5. The Operator may be dismissed by ANP in the event of non-compliance with any of the clauses of this Agreement, if it does not remedy its fault within 90 (ninety) days of receiving notification from ANP indicating the alleged non-compliance .

15.6. If responsibility for operation is transferred and the Operator is dismissed, the Concessionaire must appoint a new Operator, subject to the provisions of the Applicable Legislation.

15.6.1. The new Operator will only be able to carry out its activities, assuming all the rights and obligations provided for in this Agreement, after authorization from ANP and the signing of the respective amendment to the Agreement.

15.7. The Operator referred to in paragraphs 15.4 or 15.5 shall transfer to the new Operator custody of all assets used in the Operations, accounting records, files and other documents relating to the Concession Area and the Operations in question.

15.8. The Operator referred to in paragraphs 15.4 or 15.5 shall remain liable for any acts, occurrences or circumstances relating to its status as Operator that occur during its management.

15.8.1. Said Operator shall also remain liable for all obligations and responsibilities arising from its status as Operator until the transfer provided for in paragraph 15.7.

15.9. ANP may, as a condition for the approval of a new Operator, require the latter and the resigning or dismissed Operator to adopt the necessary measures for the full transfer of information and other aspects related to this Agreement.

15.9.1. ANP may require an audit and inventory to be carried out until the Operations are transferred to the new Operator.

15.9.2. The costs of the audit and inventory must be paid by the Concessionaire.

15.10. In the case of an individual Concessionaire, it shall be deemed, for the purposes of this Agreement, to be the designated Operator of the Concession Area.

Diligence in Conducting Operations

15.11. The Concessionaire shall plan, prepare, execute and control the Operations in a diligent, efficient and appropriate manner, in accordance with Applicable Law and Petroleum Industry Best Practices, respecting the provisions of this Agreement and not engaging in any act that constitutes or may constitute an infringement of the economic order.

15.11.1. The Concessionaire must, in all Operations:

- a) adopt the necessary measures for the conservation of petroleum resources and other natural resources and for the protection of human life, property and the environment, under the terms of Clause Twenty-First;
- b) comply with the relevant technical, scientific and safety standards and procedures, including fluid recovery, with the aim of rationalizing Production and controlling the decline of reserves;
- c) use, whenever appropriate and economically justifiable, at ANP's discretion, more advanced technical experiences and technologies, including those that better increase the economic yield and production of the deposits.

15.12. The Operator's duties are:

- a) maintain a minimum number of staff domiciled in Brazil, fluent in Portuguese and capable of conducting day-to-day operations efficiently and effectively, as well as responding to incidents appropriately and immediately;
- b) uninterrupted monitoring of all activities involving operational, environmental or human health risks through a monitoring center necessarily located in Brazil;
- c) participate in the preparation of and formally approve the emergency response procedures and risk analysis studies for the activities conducted within the scope of this Agreement, in accordance with Petroleum Industry Best Practices;
- d) establish an organizational structure and resources in Brazil that have personnel responsible for operational safety, in order to create an equalization of forces between decisions related to operational activities and the management of operational safety risks, so as to ensure that operational risks are considered a priority in the consortium's decision-making process.

- 15.12.1. The staffing referred to in paragraph 15.12(a) must be designed in accordance with the Best Practices of the Petroleum Industry and be directly proportional to the operational and environmental risks assumed by the Operator.
- 15.12.2. The monitoring center referred to in paragraph 15.12(b) must be located onshore and equipped with technology and size compatible with the risks assumed by the Operator, in accordance with Oil Industry Best Practices.

Licenses, Authorizations and Permits

- 15.13. The Concessionaire shall, at its own risk, obtain all licenses, authorizations and permits required under Applicable Law.
 - 15.13.1. If licenses, authorizations and permits depend on agreements with third parties, the negotiation and execution of such agreements will be the sole responsibility of the Concessionaire, and ANP may provide assistance in accordance with paragraph 16.5.
- 15.14. The Concessionaire shall be liable for infringement of the right to use materials and execution processes protected by trademarks, patents or other rights, and shall bear the payment of any obligations, liens, commissions, indemnities or other expenses arising from said infringement, including legal costs.

Free Access to the Concession Area

- 15.15. During the term of this Agreement, the Concessionaire shall have free access to the Concession Area and the facilities located therein.

Drilling and Abandoning Wells

- 15.16. The Operator shall notify ANP in advance of the start of drilling of any well in the Concession Area.
- 15.17. The Concessionaire may stop drilling the well and abandon it, subject to Applicable Law and in accordance with Petroleum Industry Best Practices.
 - 15.17.1. If the well is part of the Minimum Exploratory Program and does not achieve the main objective approved by ANP in the Well Drilling Notification, its drilling will not be counted for the purposes of conversion into Work Units, unless ANP, at its sole discretion, so decides.
- 15.18. ANP may, exceptionally, authorize the drilling of wells in a location outside the Concession Area, due to Production Individualization Agreements or environmental issues.

Additional work

- 15.19. The Concessionaire may, at any time, propose to carry out additional work in the Concession Area, under the terms of the Applicable Legislation.

Data Acquisition outside the Concession Area

- 15.20. The Concessionaire may carry out Operations outside the limits of the Concession Area, under the terms of the Applicable Legislation.
- 15.21. Data acquired outside the boundaries of the Concession Area will be classified as public immediately after its acquisition.
- 15.22. The Concessionaire shall deliver to ANP data and information acquired outside the limits of the Concession Area, under the terms of the Applicable Legislation.
- 15.23. Operations outside the boundaries of the Concession Area will not be considered for the purposes of complying with the Minimum Exploration Program.

CLAUSE SIXTEENTH - CONTROL OF OPERATIONS AND ASSISTANCE BY ANP**Monitoring and Inspection by ANP**

- 16.1. ANP, directly or through agreements with federal, state or federal district bodies, will permanently monitor and supervise the Operations.
- 16.1.1. Action or omission in monitoring and inspection shall not exclude or reduce the Concessionaire's liability for the faithful fulfillment of the obligations assumed in this Agreement.

Access and Control

- 16.2. ANP will have free access to the Concession Area and to ongoing Operations, equipment and facilities, as well as to all available records, studies and technical data.
- 16.2.1. The Concessionaire must provide ANP representatives with transportation, food, personal protective equipment and accommodation during rentals, on the same terms as those provided to its own staff.
- 16.2.2. For the purposes of gathering data, information or ascertaining responsibility for operational incidents, access will be provided by the Concessionaire through the unrestricted and immediate provision of transportation, food, personal protective equipment and accommodation for ANP representatives.
- 16.3. The Concessionaire must allow free access to the authorities that have jurisdiction over any of its activities.
- 16.4. The Concessionaire must provide the information requested by ANP within the established period and in the established manner.

Dealer assistance

- 16.5. Upon request, ANP may assist the Concessionaire in obtaining the licenses, authorizations, permits and rights referred to in paragraph 15.13.

16.5.1. ANP will instruct the processes for the declaration of public utility referred to in paragraph 18.4.

ANP Disclaimer

16.6. The Concessionaire, at its own risk, is fully responsible for carrying out the Operations, and ANP is not liable for any assistance requested or provided.

CLAUSE SEVENTEENTH - DATA AND INFORMATION

Supply by the Dealer

17.1. The Concessionaire must keep ANP informed of the progress, results and deadlines of the Operations.

17.1.1. The Concessionaire shall send ANP, in the manner and by the deadlines stipulated by ANP, copies of maps, sections, profiles, studies, interpretations, other geological, geochemical and geophysical data and information, including well data, static and dynamic Reservoir models and flow regimes obtained from tests, as well as reports or any other documents defined in specific regulations and obtained as a result of the Operations and this Agreement that contain information necessary to characterize the progress of the work and the geological knowledge of the Concession Area.

17.1.2. Under the terms of Article 22 of Law No. 9.478/1997, the technical collection consisting of data and information on the Brazilian Sedimentary Basins is an integral part of national oil resources, and such data and information, including those relating to geological, geophysical and geochemical modeling of the Concession Area, must be delivered by the Concessionaire to ANP.

17.1.3. ANP must ensure that confidentiality periods are complied with, under the terms of the applicable legislation.

17.2. The quality of the copies and other reproductions of the data and information referred to in paragraph 17.1.1 must maintain absolute fidelity and standards equivalent to the originals, including with regard to color, size, legibility, clarity, compatibility and other relevant characteristics.

Processing or Analysis Abroad

17.3. The Concessionaire may, with the prior express authorization of ANP, send samples of rocks and fluids abroad for the purposes of analysis and other studies, under the terms of the Applicable Legislation.

CLAUSE EIGHTEENTH- GOODS

Goods, Equipment, Facilities and Materials

18.1. It is the exclusive obligation of the Concessionaire to directly supply, purchase, rent, lease, charter or otherwise obtain, at its own risk and expense, all goods, movable and immovable, including installations, buildings, systems, equipment, machinery, materials and supplies, which are necessary for the execution of Operations.

18.1.1. Purchases, rentals, leases or acquisitions may be made in Brazil or abroad, under the terms of the applicable legislation.

Licenses, Authorizations and Permits

18.2. The Concessionaire shall be fully responsible, pursuant to paragraph 15.13, for obtaining all licenses, authorizations and permits necessary for the acquisition or use of the goods referred to in paragraph 18.1.

Expropriations and easements

18.3. The Concessionaire shall, at its own expense and risk, subject to the provisions of paragraph 18.2, carry out the expropriations and create the easements for real estate necessary to comply with this Agreement, as well as pay any and all compensation, costs or expenses arising therefrom.

18.4. ANP will initiate proceedings with a view to declaring the real estate referred to in paragraph 18.3 to be of public utility, for the purposes of expropriation and the creation of an administrative servitude, at the reasoned request of the Concessionaire.

Facilities or Equipment outside the Concession Area

18.5. ANP may authorize the positioning or construction of facilities or equipment in a location outside the Concession Area, with a view to complementing or optimizing the logistical structure related to the Operations.

18.5.1. The Concessionaire must submit a reasoned request to ANP to position facilities or equipment outside the boundaries of the Concession Area.

18.5.1.1. The justification must include technical and economic aspects, as well as the positioning or construction project, as appropriate.

18.5.1.2. If the installation or equipment needs to be located in another area under agreement, the consent of the contractor holding the rights to that area must be obtained for the authorization to be requested, in addition to other authorizations from other bodies and the consent of entities possibly impacted by the installation.

18.5.2. The provisions of Clause Twenty-First shall also apply to equipment and installations located outside the Concession Area.

Reversal of Assets

- 18.6. If pre-existing wells or infrastructure are used, the Concessionaire will assume, in relation to these, the responsibilities set out in the Agreement and in the Applicable Legislation.
- 18.7. In the case of a Field, the planning for the Decommissioning of Facilities and the mechanisms for making the necessary funds available will be provided for in the respective Development Plan and reviewed periodically throughout the Production Phase by means of the Annual Work Programs and Production Phase Budget.
- 18.7.1. The cost of Facility Decommissioning Operations will be established to cover the activities of permanent abandonment of wells, deactivation and removal of lines and facilities and rehabilitation of areas, under the terms of Applicable Legislation.

Financial Guarantees from Decommissioning

- 18.8. The Concessionaire shall submit a guarantee for decommissioning within 180 (one hundred and eighty) days of the Production Start Date. To this end, it may use the guarantees or terms to ensure the Decommissioning of Facilities provided for in the Applicable Legislation, at ANP's discretion.
- 18.8.1 The guarantees and term presented to ensure the Decommissioning of Facilities must comply with the requirements set out in the Applicable Legislation.
- 18.8.2 The Concessionaire must keep the guarantee or term valid throughout the term of the Agreement, and must renew it 180 (one hundred and eighty) days before it expires.
- 18.8.3 ANP may, at any time, determine the replacement of the guarantee or term whenever the technical analysis concludes that it is inefficient or inadequate in the specific case.
- 18.9. The amount of the decommissioning guarantee for a Development Area or Field shall be paid progressively throughout the Production Phase in the manner, within the time limits and at the updating intervals provided for in the Applicable Legislation, and the amount sufficient to cover the total cost of Decommissioning Facilities shall be paid into the guarantee at the time indicated in the Applicable Legislation.
- 18.10. Notwithstanding the provisions of paragraph 18.9, ANP may require that the total amount to be guaranteed, corresponding to the estimated cost of Decommissioning Field Facilities, be placed in full in a guarantee at any time during the Agreement, provided that it is motivated to do so, in cases of serious risk and difficult repair.
- 18.11. The value of the decommissioning guarantee for a Development Area or Field may be revised, at the request of the Concessionaire or at the request of ANP, when events occur that alter the cost of Facility Decommissioning Operations, respecting the limit set out in the applicable legislation.
- 18.12. In the case of a guarantee presented by means of an accrual fund:
- a) the Concessionaire must submit to ANP, every year, documentation proving the contributions made, as well as informing the updated balance of the fund;
 - b) ANP may audit the procedure adopted by the Concessionaire in managing the financial provisioning fund; and

- c) the balance calculated after carrying out all the necessary operations for the decommissioning of the Field will revert exclusively to the Concessionaire.
- 18.13. The presentation of a decommissioning guarantee does not release the Concessionaire from carrying out, at its own risk, all the Operations necessary for the Decommissioning of Field Facilities.
- 18.14. The financial guarantees for decommissioning may be cumulated in order to total the amount to be guaranteed, in compliance with the Applicable Legislation.

Assets to be Reversed

- 18.15. Pursuant to articles 28 and 43, VI, of Law No. 9.478/1997 and the Applicable Legislation, any and all assets, movable and immovable, main and accessory, which are part of the Concession Area and which, at the sole discretion of ANP, are necessary to allow the continuity of Operations or whose use is considered to be in the public interest, shall revert to the possession and property of the Federal Government and to the administration of ANP in the event of the termination of this Agreement or the return of portions of the Concession Area.
- 18.16. If assets are shared for the Operations of two or more Fields, these assets may be retained until all Operations are closed.

Removal of non-reverted assets

- 18.17. Assets that will not be reverted, including unserviceable assets, shall, in accordance with Applicable Law and Petroleum Industry Best Practices, be removed and/or given an appropriate destination by the Concessionaire, at its own risk and expense, in accordance with the provisions of this Agreement and in accordance with Applicable Law.

CLAUSE NINETEENTH - STAFF, SERVICES AND SUBCONTRACTS

Staff

- 19.1. The Concessionaire shall recruit and hire, directly or indirectly, at its own risk and expense, all the labor required to carry out the Operations, and shall be the sole and exclusive employer for all purposes of this Agreement.
- 19.1.1. Recruitment and hiring may be carried out in Brazil or abroad and according to the Concessionaire's selection criteria, under the terms of the Applicable Legislation, including with regard to the minimum percentage of Brazilian labor used.
- 19.2. The Concessionaire will be exclusively and fully responsible, in Brazil and abroad, for the arrangements regarding the entry, exit and stay in the country of its foreign personnel.

- 19.3. The Concessionaire must comply with the applicable legislation with regard to the hiring, maintenance and dismissal of personnel, accidents at work and industrial safety, and shall be exclusively and fully responsible for the payment of social, labor and social security contributions and other relevant charges and supplements due under any title, in accordance with Brazilian law.
- 19.4. The Concessionaire must ensure adequate food, personal protective equipment and accommodation for its staff when they are on duty or traveling, specifically with regard to quantity, quality, hygiene conditions, safety and health care, under the terms of the Applicable Legislation.
- 19.5. The Concessionaire must, at any time, withdraw or replace any of its technicians or team members due to improper conduct, technical deficiency or poor health.

Services

- 19.6. The Concessionaire shall directly perform, contract for or otherwise obtain, at its own risk and expense, all the services necessary for the performance of this Agreement.
- 19.6.1. Services may be contracted in Brazil or abroad, under the terms of the applicable legislation, including the minimum percentage of Brazilian labor used.
- 19.6.2. If it contracts with its Affiliates for the supply of services, the prices, terms, quality and other terms agreed must be competitive and compatible with market practices, subject to the provisions of Clause Twenty.
- 19.7. The Concessionaire shall ensure that all its subcontractors and suppliers comply with the provisions of this Agreement and the Applicable Legislation.
- 19.8. The Concessionaire shall be fully and objectively liable for the activities of its subcontractors that result, directly or indirectly, in damage or loss to the environment, ANP or the Federal Government.
- 19.9. The Concessionaire shall keep an up-to-date inventory and records of all the services referred to in paragraphs 19.1 and 19.6, in accordance with Applicable Law.

CLAUSE TWENTIETH - LOCAL CONTENT

Concessionaire's Commitment to Local Content

- 20.1. The Concessionaire must comply with the following minimum mandatory Local Content percentages:
- 20.1.1. In the Exploration Phase for onshore blocks: overall Local Content of 50% (fifty percent).
- 20.1.2. In the Exploration Phase for offshore blocks: overall Local Content of 30% (thirty percent).

- 20.1.3. In the Development Phase or for each Development Module, in the case of modular Development, for onshore Fields: overall Local Content of 50% (fifty percent).
- 20.1.4. In the Development Phase or for each Development Module, in the case of modular Development, for offshore Fields, for the following Macro Groups:
- a) Well construction: 30% (thirty percent);
 - b) Production Collection System and Production Disposal System: 40% (forty percent);
 - c) Stationary Production Unit: 25% (twenty-five percent).
- 20.2. The Concessionaire must ensure that preference is given to hiring Brazilian Suppliers whenever their offers present more favorable or equivalent price, term and quality conditions to those of non-Brazilian suppliers.
- 20.3. The procedures for contracting goods and services to fulfill the purpose of this Agreement must:
- a) include Brazilian suppliers among the suppliers invited to submit bids;
 - b) make the same specifications available in Portuguese or English to all companies invited to submit bids. If requested by any invited Brazilian company, the Concessionaire must arrange for the documentation to be translated into Portuguese;
 - c) accept equivalent specifications from Brazilian Suppliers, provided that they comply with the Best Practices of the Petroleum Industry.
- 20.3.1. The procurement of goods and services provided by Affiliates is also subject to the specifications of paragraph 20.3, except in the case of services which, in accordance with Petroleum Industry Best Practices, are customarily performed by Affiliates.
- 20.4. The Concessionaire must submit Local Content Reports for the Exploration Phase and Development Phase to ANP for monitoring, under the terms of the Applicable Legislation.

Local Content Measurement

- 20.5. The Local Content of the goods and services must be proved to ANP by presenting the respective Local Content certificates or any document that may replace them, under the terms of the Applicable Legislation.
- 20.5.1. For measurement purposes, the Local Content of goods and services must be expressed as a percentage of the value of the contracted good or service.
- 20.6. In order to determine the Local Content, the monetary values corresponding to the contracting of goods and services shall be updated for the month and year in which the verification of compliance with the provisions of this Twentieth Clause takes place, using the IGP-DI or any other index that may replace it.
- 20.7. The milestones for measuring Local Content by ANP will be:
- a) the end of the Exploration Phase;
 - b) the end of each Development Module; and

- c) the end of the Field Development Phase that does not include Modular Development.
- 20.8. For the purposes of measuring Local Content, the Development Phase will begin on the date of submission of the Declaration of Commerciality and will end, for each Development Module, with the first of the following occurrences:
- a) ten (10) years have elapsed since the first oil was extracted;
 - b) withdrawal by the Concessionaire from the Development of the Development Module;
or
 - c) carrying out the investments provided for in the Development Plan, except those relating to the abandonment of the Camp.
- 20.9. In the case of contracts under paragraph 20.1.4 "c", expenditure on the unit's operating fee should not be included in the calculation of Local Content.

Local Content Surplus

- 20.10. If the Concessionaire exceeds the required Local Content in the Exploration Phase or in a Development Module, the excess amount, in national currency, may be transferred to the Development Modules to be implemented subsequently, limited to the Concession Area.
- 20.10.1. In the case of offshore fields, the Operator must indicate the Macrogroup to which the surplus from the Exploration Phase will be directed.
 - 20.10.2. Any surpluses found in the Development Modules may only be transferred between the same Macrogroups.
 - 20.10.3. The request for the transfer of surplus must be submitted to ANP within 30 (thirty) days from the first working day following receipt by the Operator of the Local Content Inspection Report for the Production Development Phase, or subsequent modules in the case of Modular Development.
 - 20.10.4. The excess monetary value will be updated by the IGP-DI or any other index that may replace it.
- 20.11. The minimum mandatory Local Content percentages set out in paragraph 20.1 may be met by transferring Local Content surpluses realized in other agreements, observing the Applicable Legislation.
- 20.12.1. The surplus of Local Content generated in the Exploration Phase or in the Development Module of the Agreement may be transferred to other agreements, in compliance with the Applicable Legislation.

Fine for Non-Compliance with Local Content

- 20.12. Failure to comply with Local Content will subject the Concessionaire to a fine, which will be calculated on the monetary value breached, applying the following percentage, depending on the case:
- a) if the percentage of Local Content not realized is less than 65% (sixty-five percent) of the minimum Local Content, the fine will be 40% (forty percent) of the value of the Local Content not realized;

- b) if the percentage of Local Content not realized is equal to or greater than 65% (sixty-five percent), the fine will increase from 40% (forty percent), reaching 75% (seventy-five percent) of the minimum Local Content value, in the case of 100% (one hundred percent) of Local Content not realized, in accordance with the formula:

$$M (\%) = NR (\%) - 25\%.$$

Where,

M (%) is the percentage fine to be calculated on the monetary value breached; and

NR (%) is the percentage of Local Content not realized.

20.13. If there is simultaneous non-compliance with more than one commitment for the Macro Groups in paragraph 20.1.4, the amount of the fine will correspond to the sum of the fines for each Macro Group.

20.14. The amount of the fine will be updated by the IGP-DI until the date of actual payment.

CLAUSE TWENTY-FIRST - OPERATIONAL SAFETY AND THE ENVIRONMENT

Operations Safety and Environmental Control

21.1. The Concessionaire must have an operational safety and environmental management system that complies with Petroleum Industry Best Practices and Applicable Legislation.

21.2. The Concessionaire must, among other obligations:

- a) ensure the preservation of an ecologically balanced environment;
- b) minimize the occurrence of impacts and/or damage to the environment;
- c) to ensure the safety of operations in order to protect human life, the environment and the Federal Government's assets;
- d) to ensure the protection of Brazil's historical and cultural heritage;
- e) recovering degraded areas, in accordance with the Applicable Legislation and the Oil Industry's Best Practices;
- f) minimize natural gas flaring and strive for routine zero flaring; and
- g) adopt practices and technologies to reduce greenhouse gas emissions and the carbon intensity of activities.

21.3. ANP may, at any time, request copies of the environmental licenses and studies submitted for approval by the competent environmental agency, if knowledge of their content becomes necessary for the instruction/management of the Agreement.

21.4. If there is an environmental licensing process in which the competent body deems it necessary to hold a public hearing, the Concessionaire must send ANP copies of the studies drawn up with a view to obtaining the licenses at least 30 (thirty) working days before the hearing is held.

- 21.5. The Concessionaire must submit to ANP copies of the environmental licenses and their respective renewals, in accordance with the deadlines defined in the specific regulations issued by ANP or, before that, when necessary to instruct an authorization procedure that requires such documents.
- 21.6. The Concessionaire must inform ANP and the competent authorities of any occurrence arising from an accidental fact or intentional act involving risk or damage to the environment or human health, material damage to its own property or that of third parties, fatalities or serious injuries to its own personnel or to third parties or unscheduled interruptions to Operations, under the terms of the Applicable Legislation and in accordance with the guidelines set out in interpretative manuals issued by ANP, if any.

Social Responsibility

- 21.7. The Concessionaire must have a Social Responsibility and sustainability management system that adheres to Petroleum Industry Best Practices.

From Liability for Damages

- 21.8. Without prejudice to the provisions of paragraph 21.1, the Concessionaire shall assume full and objective liability for all damage to the environment resulting directly or indirectly from the execution of the Operations.
- 21.8.1. The Concessionaire shall indemnify the damages resulting from the Operations.
- 21.8.2. The Concessionaire shall reimburse the Federal Government and ANP, under the terms of paragraphs 2.2 to 2.6, for any and all actions, appeals, lawsuits or legal challenges, arbitration, audits, inspections, investigations or controversies of any kind, as well as for any indemnities, compensation, punishments, fines or penalties of any kind related to or arising from such damages.

CLAUSE TWENTY-SECOND - INSURANCE

Insurance

- 22.1. The Concessionaire shall take out and maintain in force, throughout the term of this Agreement, insurance cover for Exploration and Production activities, contracted with an insurance company in good standing with Superintendence of Private Insurance (SUSEP), for all cases required by Applicable Law, without this implying any limitation of its liability under this Agreement.
- 22.1.1. The coverage of these insurances must cover:
- a) goods;
 - b) staff;
 - c) extraordinary expenses in the operation of wells;

- d) cleaning resulting from an accident;
- e) decontamination resulting from an accident; and
- f) civil liability for damage to the environment and the Federal Government's assets.

22.1.2. The Concessionaire shall include ANP as a co-insured in the civil liability coverage policies, which shall not prejudice ANP's right to obtain full compensation for losses and damages that exceed the compensation received as a result of the coverage provided for in the policy.

22.2. The Concessionaire must obtain from its insurers the inclusion in all policies of a clause by which they expressly waive any rights, implicit or explicit, of subrogation against ANP or the Federal Government.

22.3. Insurance through Affiliates is allowed provided that it is provided by a company authorized to carry out this activity by Susep and previously authorized by ANP.

22.4. The Concessionaire's global insurance policies and programs may be used for the purposes of this Clause Twenty-Two, provided that they are previously authorized by ANP.

22.5. The Concessionaire shall deliver to ANP, upon request, within five (5) working days, copies of all policies and contracts relating to the insurance referred to in paragraph 22.1, as well as any and all amendments, alterations, endorsements, extensions or extensions thereof, and any and all related occurrences, claims or notices of loss.

CAPÍTULO V - GOVERNMENTAL PARTICIPATIONS AND INVESTMENTS IN RESEARCH, DEVELOPMENT AND INNOVATION

CLAUSE TWENTY-THIRD - PARTICIPATIONS

Government and third-party holdings

23.1. In addition to the Signature Bonus, paid prior to the date of signature of the Agreement, the Concessionaire will pay the Federal Government and third parties the following stakes, in accordance with the Applicable Legislation and Annex V:

- a) Royalties;
- b) special participation;
- c) payment for the occupation or retention of areas; and
- d) payment of a share to the landowner.

23.2. ANP may grant, based on criteria established in the Applicable Legislation, a reduction in the percentage of Royalties provided for in this Agreement to up to 5% (five percent), in order to make it possible to extend the useful life and maximize the recovery factor of the Fields, provided that the economic benefit for the Federal Government generated by the new investment plan to be implemented is proven.

23.3. The Concessionaire will not be exempt from payment in respect of Government and third-party Participations in the event of:

- a) production earned during the Formation Test period, in the Exploration Phase, only if there is economic use of the production;
- b) production earned during the Training Test period, in the Production Phase;
- c) production earned during the Extended Well Test period;
- d) suspension of the term of this Agreement;
- e) unforeseeable circumstances, force majeure and similar causes.

CLAUSE TWENTY-FOURTH - RESOURCES FOR RESEARCH, DEVELOPMENT AND INNOVATION

24.1. If the special participation is due for a Field in any quarter of the calendar year, the Concessionaire will be obliged to carry out expenses qualified as research, development and innovation in areas of interest and topics relevant to the Oil, Natural Gas and Biofuels sector, in an amount equivalent to 1% (one percent) of the gross production revenue for that Field.

24.1.1. The amount referred to in paragraph 24.1 is due for each Field originating from the Concession Area.

24.1.2. The Concessionaire has until June 30 (thirty) of the year following the calendar year in which gross production revenue is calculated to invest these funds.

The Concessionaire must provide ANP with a full report of the expenses qualified as research, development and innovation carried out, within the deadlines and formats defined in the Applicable Legislation.

24.2. From the funds provided for in paragraph 24.1, the Concessionaire must invest:

- a) 30% (thirty percent) to 40% (forty percent) in universities or national research and development institutes accredited by ANP ; and
- b) 30% (thirty percent) to 40% (forty percent) in research, development and innovation activities that aim to result in products or processes with technological innovation at Brazilian companies.

24.3. The remaining balance of expenses qualified as research, development and innovation, after compliance with paragraph 24.2, may be invested in research, development and innovation activities carried out at the Concessionaire's own facilities or those of its Affiliates located in Brazil, or at Brazilian Companies, or at universities or research and development institutes accredited by ANP.

24.4. Any expenses qualified as research, development and innovation carried out by the Concessionaire in amounts greater than the equivalent of 1% (one percent) of gross production revenue, or when there is no obligation to carry out such expenses as provided for in paragraph 24.1, may be offset in favor of the Concessionaire to prove the obligation in future periods of this Agreement.

24.4.1. Such compensation shall be regulated under the terms of the Applicable Legislation.

CLAUSE TWENTY-FIFTH - TRIBUTES

Tax regime

25.1. The Concessionaire will be subject to the federal, state and municipal tax regime and will be obliged to comply with it under the terms, deadlines and conditions defined in the Applicable Legislation.

Certificates and Proof of Good Standing

25.2. Whenever requested by ANP, the Concessionaire must submit all certificates, registration acts, authorizations, proof of registration in taxpayer registers, proof of tax compliance, proof of compliance with social charges established by law, registration with professional bodies or associations and any other similar documents or certificates.

CLAUSE TWENTY-SIXTH - CURRENCY

Currency

26.1. The currency unit for all purposes and effects of this Agreement shall be the Real.

CLAUSE TWENTY-SEVENTH - ACCOUNTING AND FINANCIAL AUDIT BY ANP

Accounting

27.1. The Concessionaire must, under the terms of the Applicable Legislation:

- a) keep all documents, books, papers, records and other items;
- b) keep the supporting documents needed to assess Local Content and Government and third-party holdings to support the bookkeeping;
- c) make the appropriate entries;
- d) present the accounting and financial statements; and
- e) submit the Local Content Report to ANP.

Auditing

27.2. ANP may carry out an audit, including of the statements for calculating Government Participations, under the terms of the Applicable Legislation.

27.2.1. Audits can be carried out directly or through contracts and agreements, under the terms of the applicable legislation.

27.2.2. The Concessionaire will be notified at least thirty (30) days in advance of the audits.

27.2.3. ANP shall have broad access to books, records and other documents referred to in paragraph 27.1, including contracts and agreements entered into by the Concessionaire and related to the acquisition of goods and services for the Operations, for the last 10 (ten) years.

27.2.4. The Dealer is responsible for the information provided by third parties.

27.2.5. The Concessionaire must keep at ANP's disposal the respective documents proving Local Content, as well as contracts, tax documents and other supporting records corresponding to the goods or services acquired, for a period of 10 (ten) years after the Local Content measurement milestone.

27.2.6. ANP may request from the Concessionaire any documents necessary to resolve any doubts.

27.2.7. Any absence of an audit or omission of its conclusions shall not exclude or reduce the Concessionaire's responsibility for the faithful fulfillment of the obligations of this Agreement, nor shall it represent tacit agreement with methods and procedures at variance with this Agreement or Applicable Legislation.

CAPÍTULO VI - GENERAL PROVISIONS

CLAUSE TWENTY-EIGHTH - ASSIGNMENT OF THE AGREEMENT ASSIGNMENT

- 28.1. The rights and obligations of the Concessionaire under this Agreement may be assigned, in whole or in part, subject to the prior and express authorization of ANP.
- 28.1.1. Requests for authorization to carry out the following acts will be submitted to the Assignment procedure provided for in the Applicable Legislation:
- a) transfer, in whole or in part, of ownership of rights and obligations arising from the Agreement, including as a result of the execution of a guarantee on the contractual position;
 - b) change of Dealer due to merger, demerger or incorporation;
 - c) change of Operator; and
 - d) exemption or replacement of the performance guarantee.
- 28.2. The parties shall maintain the terms and conditions of the Agreement unchanged until the respective amendment is signed, and any form of:
- a) transfer of rights relating to the Exploration and Production Agreement that is the subject of the Assignment or execution of any encumbrance thereon; and
 - b) the assignee's influence over the management of the Exploration and Production Agreement and its execution.
- 28.3. Failure to comply with the provisions of paragraph 28.2 shall constitute an Assignment without the prior express approval of ANP.
- 28.4. The Operator and the other members of the consortium must hold, respectively, at least 30% (thirty percent) and 5% (five percent) stakes in the Agreement throughout its term.
- 28.5. The Concessionaires must notify ANP of any change in their corporate control within 30 (thirty) days of the filing of the corporate act with the competent registration body, under the terms of the Applicable Legislation.

Individual Participation in Rights and Obligations

- 28.6. The Assignment of the Concession Area, in whole or in part, will always be an undivided interest in the rights and obligations of the Concessionaire, respecting the joint and several liability between the assignor and the assignee, under the terms of Applicable Legislation.

Partial Transfer of Area in the Exploration Phase

- 28.7. If ANP authorizes a transfer that results in the division of the Concession Area, the area to be transferred and the remaining area must each be circumscribed by a single polygonal line drawn according to criteria established by ANP.

28.7.1. The resulting areas will become independent for all purposes, including the calculation of government and third-party participations.

28.7.2. ANP will define a Minimum Exploratory Program for each of the areas resulting from the division. The sum of the resulting Minimum Exploratory Programs must be equal to or greater than the original Minimum Exploratory Program.

New Concession Agreement

28.8. In the event of the planned Concession Area being divided for any reason, a new Concession Agreement must be signed for each area resulting from the division, maintaining the same terms, obligations, programs and deadlines as the original Agreement.

28.9. Following approval of the division, ANP will call on the concessionaires to sign the new Concession agreements within 30 (thirty) days.

28.10. The new Concession Agreements signed by the parties shall become effective and valid upon signature, under the terms of the Applicable Legislation.

Transfer of Area in the Production Phase

28.11. The assignment of part of a field will not be allowed, except as an alternative to a Production Individualization agreement that has not been concluded, provided that it has been approved by ANP, under the terms of the applicable legislation.

Nullity of the Assignment of Rights and Obligations and the Need for Prior and Express Approval

28.12. Any Assignment that does not comply with the provisions of this Clause Twenty-Eight or the Applicable Legislation shall be null and void and subject to the penalties provided for in this Agreement and the Applicable Legislation.

Approval of Assignment

28.13. ANP will have a period of 90 (ninety) days from the presentation of the complete documentation and as required, under the terms of the Applicable Legislation, to decide on the Assignment.

28.14. The Assignment of the Agreement will only be authorized, except in the case of paragraph 30.5.2, when:

- a) the technical, economic-financial and legal requirements established by ANP have been met;
- b) the object and other contractual conditions are preserved;
- c) in compliance with the provisions of Article 88 of Law No. 12,529, of November 30, 2011, if applicable;

- d) the obligations of the Exploration and Production Agreement that is the subject of the request are being fulfilled;
 - e) the obligations related to any Facility Decommissioning activities are provided for in accordance with Applicable Legislation; and
 - f) the assignor and the assignee, or the guaranteed party, in cases of exemption or substitution of a performance guarantee, are in compliance with all their obligations relating to Government Participations and third parties under all Concession agreements and government revenues under all Production Sharing agreements to which they are parties.
- 28.14.1. If the assignor is in default and the Assignment is not voluntary, determined by ANP or due to the execution of a contractual clause with third parties, the Assignment will be permitted if the assignee or the executor of the guarantee pays the obligations relating to the agreements to be assigned.
- 28.14.2. In the event of paragraph 28.14.1, the assignee or the executor of the guarantee must undertake to pass on any amount that may be owed to the assignor as a result of the Assignment directly to ANP, until the assignor's entire debt to ANP has been settled.
- 28.15. In the event of a non-voluntary transfer, the transfer to an Affiliate or to a company over which the defaulting Dealer has potential influence, as determined in an administrative process, will not be approved.

Duration and Effectiveness of the Assignment

- 28.16. After approval of the Assignment by ANP, the Agreement must be amended in order for the act to be consummated, except in the cases of exemption or replacement of the performance guarantee and in the case provided for in paragraph 28.8, under the terms of the Applicable Legislation.
- 28.17. The amendment to the Agreement shall become effective from the date it is signed by all those who enter into it, in accordance with the applicable legislation.
- 28.17.1. The transfer by the assignor to the assignee of the operational safety and environmental data, documents and information relating to the contracted area and the Exploration and Production facilities included in the Assignment and defined by ANP is a condition for signing the amendment to the Agreement, except in the event of a non-voluntary Assignment.
- 28.18. Within 45 (forty-five) days of signing the addendum, the Concessionaire must deliver to ANP a copy of the Consortium Agreement or its amendment filed with the competent commercial registry.
- 28.19. As of the signing of the addendum, the former concessionaire will have a period of 90 (ninety) days to transfer to the new concessionaire all exclusive data relating to the Agreement assigned, regardless of whether it is public or confidential.
- 28.19.1. The new concessionaire will become the holder of the rights to the exclusive data, and the confidentiality periods already in force will remain unchanged, under the terms of the applicable legislation.

Guarantee of Rights Arising from the Concession

- 28.20. AgreementThe Concessionaires may, within the scope of credit operations or financing agreements, guarantee the rights arising from this Agreement, under the terms of the Applicable Legislation.
- 28.21. The Concessionaire must notify ANP of the guarantee operation provided for in paragraph 28.20, sending a copy of the respective guarantee instrument within 30 (thirty) days of the date on which it was signed.
- 28.22. The execution of the guarantee shall be carried out in accordance with the Applicable Legislation and upon notification to ANP, under the terms of the guarantee instrument, noting that the transfer of ownership resulting from the execution of the guarantee constitutes Assignment and depends on the prior and express consent of ANP.

CLAUSE TWENTY-NINTH - RELATIVE DEFAULT AND PENALTIES

Sanctions Legal and Contractual

- 29.1. In the event of non-compliance with the obligations established in the Applicable Legislation and in this Agreement, or if they are performed in a place, time or manner other than that agreed, the Concessionaire shall incur the specific sanctions provided for in this instrument and in the Applicable Legislation, without prejudice to liability for any losses and damages arising from the non-compliance.

THIRTIETH CLAUSE - TERMINATION OF AGREEMENT

Extinction of Full Rights

- 30.1. This Agreement shall terminate as of right:
- a) by the expiry of the term provided for in Clause Four;
 - b) the end of the Exploration Phase without the Minimum Exploration Program having been complied with;
 - c) at the end of the Exploration Phase, if no Commercial Discovery has occurred;
 - d) if the Concessionaire fully returns the Concession Area;
 - e) if the Concessionaire exercises its right to withdraw during the Exploration Phase, provided that the Minimum Exploration Program is complied with or the amount corresponding to the portion not complied with is paid, as provided for in Clause Six of this Agreement;

- f) for failure to submit the Development Plan within the deadline set by ANP;
- g) the non-approval of the Development Plan by ANP, as provided for in Clause Ten;
- h) in whole or in part, for the Concessionaire's refusal to sign the Production Individualization Agreement, following a decision by ANP;
- i) failure to renew financial guarantees within 30 (thirty) days before their expiration date ; or
- j) the decree of bankruptcy or the non-approval by the competent court of any Concessionaire's application for judicial reorganization, subject to the provisions of paragraph 30.5.2.

Termination at the will of the parties: Bilateral and unilateral termination

- 30.2. This Agreement may be terminated at any time by mutual agreement between the Parties, without prejudice to compliance with the obligations set out in this Agreement.
- 30.3. At any time during the Production Phase, the Concessionaire may request the termination of this Agreement, in whole or in part, at least 180 (one hundred and eighty) days prior to the intended date of termination, which must be approved in advance by ANP.
- 30.3.1. ANP will have 90 (ninety) days from the date of receipt of the termination request to analyze the request.
 - 30.3.2. Until the effective termination of the agreement, the Concessionaire may not interrupt or suspend the Production committed to in the Production Programs of the Fields or Development Areas in question, unless authorized by ANP.
- 30.4. Termination of the Agreement shall not release the Concessionaire from the liability provided for in paragraph 21.8.

Termination for Absolute Default: Resolution

- 30.5. This Agreement shall be terminated in the following cases:
- a) non-compliance by the Concessionaire with the contractual obligations, if this is not a case of termination by operation of law; or
 - b) judicial or extrajudicial reorganization, without submitting an approved reorganization plan capable of demonstrating to ANP the economic and financial capacity to fully comply with all contractual and regulatory obligations.
- 30.5.1. In the case of point "a" of paragraph 30.5, before terminating the Agreement, ANP shall notify the Concessionaire to comply with the non-complying obligation within a period of not less than 90 (ninety) days, except in cases of extreme urgency.
 - 30.5.2. In the event of absolute default, if the period stipulated in paragraph 30.5.1 has elapsed without the defaulted obligation having been fulfilled, a new period of 90 (ninety) days will be granted, or less in cases of extreme urgency, for the defaulting Concessionaire to formalize before ANP the request for the Assignment of its undivided interest in the rights and obligations of this

Agreement, under penalty of the penalties provided for in this Agreement, in addition to contractual termination.

- 30.5.3. If there is more than one Concessionaire and if the Assignment provided for in paragraph 30.5.2 is not made, ANP shall only terminate this Agreement in respect of the defaulting Concessionaire, and its undivided interest in the rights and obligations of this Agreement shall be divided among the other defaulting Concessionaires in proportion to their interests, subject to prior and express approval by ANP.

Consequences of Termination

- 30.6. In any of the cases of termination provided for in this Agreement or in the Applicable Legislation, the Concessionaire shall not be entitled to any compensation.
- 30.7. In any of the cases of termination provided for in this Agreement or in the Applicable Legislation, the provisions of paragraphs 9.7 to 9.11 must be observed for the return of the area.
- 30.8. If this Agreement is terminated, the Concessionaire shall be liable for all losses and damages arising from its default and termination, and shall bear all applicable indemnities and compensation, in accordance with the law and this Agreement.

CLAUSE THIRTY-FIRST - UNFORESEEABLE CIRCUMSTANCES, FORCE MAJEURE AND SIMILAR CAUSES

Total or Partial Exoneration

- 31.1. Exoneration from the obligations assumed in this Agreement shall only occur in the event of unforeseeable circumstances, force majeure and similar causes justifying non-performance, such as the fact of administration, the fact of the prince and unforeseen interference.
- 31.1.1. The obligations of the Concessionaire in debt shall be discharged exclusively in relation to the obligations of this Agreement whose performance becomes impossible due to unforeseeable circumstances, force majeure or similar causes recognized by ANP.
- 31.1.2. ANP's decision recognizing the occurrence of unforeseeable circumstances, force majeure or similar causes shall indicate the portion of the Agreement whose performance shall be waived or postponed.
- 31.1.3. Recognition of the incidence of unforeseeable circumstances, force majeure or similar causes does not exempt the Concessionaire from the payment of Government Participations and third parties.
- 31.2. Notification of events that may be considered unforeseeable circumstances, force majeure or similar causes shall be immediate and shall specify such circumstances, their causes and consequences.
- 31.2.1. The events must also be notified that they have ceased.

31.3. Amendment, Suspension and Termination of Agreement Once the unforeseeable event, force majeure or similar causes have been overcome, it will be up to the Concessionaire to fulfill the obligations affected, extending the deadline for fulfilling these obligations by the period corresponding to the duration of the event.

31.3.1. Depending on the extent and severity of the effects of unforeseeable circumstances, force majeure or similar causes:

a) the Parties may agree to amend the Agreement or terminate it;

b) ANP may suspend the course of the contractual term in relation to the portion of the Agreement affected.

31.3.2. During the suspension of the contractual term, all the obligations of the Parties that have not been affected by unforeseeable circumstances, force majeure and similar causes shall remain in force and enforceable.

Environmental licensing

31.4. ANP may extend or suspend the contractual term if there is evidence of a delay in the environmental licensing process.

31.4.1. Suspension or extension of the agreement may be granted at the reasoned request of the Concessionaire.

31.4.2. For the course of the contractual term to be suspended or extended, the regulatory deadline for the licensing body's decision in the environmental licensing process must have been exceeded.

31.4.3. The Concessionaire must prove that the delay was due exclusively to the responsibility of the competent public bodies and that it took the appropriate measures and acted with reasonable diligence to ensure that the environmental licensing process was carried out in a regular manner, and therefore did not cause the delay.

31.4.4. If ANP's request for suspension of the agreement is granted, the contractual term will be considered suspended until the environmental agency has given its final opinion.

31.4.5. Once ANP's request for suspension of the Agreement has been granted, the refund of time due to delays on the part of the environmental agency will be counted from the date on which the environmental agency notices the delay until the date of suspension of the agreement.

31.4.6. The suspension of the contractual term will be interrupted at any time if ANP deems it unjustified.

31.4.7. Once ANP's request for an extension of the agreement has been granted, the refund of time due to the environmental agency's delay will be counted from the time the environmental agency notices the delay until the date of the request for an extension.

31.4.8. The final opinion of the environmental agency must be communicated to ANP within five (5) days of its receipt by the Concessionaire.

- 31.5. If requested by the Concessionaire, suspension of the contractual term for more than five (5) uninterrupted years may result in termination of the agreement, without the Concessionaire being entitled to any kind of compensation.
- 31.5.1. The request referred to in paragraph 31.5 must be submitted to ANP within 90 (ninety) days of the date on which the suspension of the course of the contractual term completed 5 (five) years.
- 31.5.2. It will be up to the Concessionaire to prove that, in the five (5) years from the date of suspension of the contractual term, the delay was due exclusively to the responsibility of the competent public bodies and that it took the appropriate measures and acted with reasonable diligence to ensure that the environmental licensing process was carried out in a regular manner, and therefore did not cause the delay.
- 31.6. Provided the Concessionaire so requests, a definitive rejection by the competent environmental agency of the licensing essential for carrying out the activities may result in the termination of the agreement, without the Concessionaire being entitled to any type of compensation.
- 31.6.1. In order for the rejection of the environmental license to be classified as unforeseeable circumstances, force majeure and similar causes, the Concessionaire must prove that it did not contribute to the rejection of the environmental licensing process.

Losses

- 31.7. The Concessionaire shall individually and exclusively assume all losses arising from unforeseeable circumstances, force majeure or similar causes.

CLAUSE THIRTY-SECOND - CONFIDENTIALITY

Obligation of the Concessionaire

- 32.1. All data acquired, processed, produced, developed or in any way obtained as a result of the Operations and the Agreement are confidential.
- 32.2. The data and information referred to in paragraph 32.1 may be disclosed by the Concessionaire, but may not be commercialized.
- 32.3. In the event of disclosure of the data and information referred to in paragraph 32.1, the Concessionaire shall send notification to ANP within 30 (thirty) days of the disclosure.
- 32.3.1. The notification must be accompanied by the data and information disclosed, the reasons for the disclosure and the list of third parties who have had access to such data and information.
- 32.3.2. In the event of disclosure of data and information to Affiliates, consortium members participating in agreements and third parties who will work directly with the data and with whom the applicant maintains a contractual relationship,

including for the purposes of carrying out research, development and innovation projects, Concessionaires will be exempt from sending notification to ANP.

32.4. The provisions of paragraphs 32.1, 32.2 and 32.3 shall remain in force and shall survive the termination of this Agreement.

ANP's commitment

32.5. ANP undertakes not to disclose data and information relating to the Operations of the areas retained by the Concessionaire, the exposure of which may represent a competitive advantage to other economic agents, under the terms of article 5, paragraph 2, of Decree No. 7,724/2012 .

32.5.1. This provision shall not apply if disclosure is required by law or court.

CLAUSE THIRTY-THIRD - NOTIFICATIONS , REQUESTS, COMMUNICATIONS AND REPORTS

Notifications, Requests, Plans, Programs, Reports and other Communications

33.1. The notifications, requests, forwarding of plans, programs, reports, as well as any other communications provided for in this Contract must be formal and in writing, in compliance with Applicable Legislation.

33.1.1. If there is no specific provision in the Applicable Legislation, the communications provided for herein must be delivered in person, by protocol, or sent by post, with proof of receipt.

33.1.2. Acts and communications related to this Agreement must be written in Portuguese, signed by the Concessionaire's legal representative or by an attorney-in-fact with specific powers.

Addresses

33.2. In the event of a change of address, the Parties undertake to notify the other Party of the new address at least thirty (30) days prior to the change.

Validity and Effectiveness

33.3. The notices provided for in this Agreement shall be deemed valid and effective on the date on which they are actually received.

Amendments to the Articles of Association

33.4. The Concessionaire must notify ANP of any changes to its articles of incorporation, bylaws or articles of association, sending copies of these, the documents electing its

administrators or proof of the board of directors in office within 30 (thirty) days of their becoming effective.

CLAUSE THIRTY-FOURTH - LEGAL SYSTEM

Applicable Law

34.1. This Agreement shall be executed, governed and construed in accordance with the laws of Brazil.

The Parties shall comply with the Applicable Legislation in the execution of the Agreement.

Conciliation

34.2. The Parties undertake to make every effort to settle amicably between themselves any dispute or controversy arising out of or in connection with this Agreement.

34.2.1. Such efforts must include, at a minimum, a request for a specific conciliation meeting by the dissatisfied Party, accompanied by its request and its reasons of fact and law.

34.2.2. The request must be complied with when the other Party schedules a meeting within 15 (fifteen) days of the request, at ANP's offices. The representatives of the Parties must have the power to compromise on the issue.

34.2.3. After the meeting, if no agreement is reached immediately, the parties will have at least another 30 (thirty) days to negotiate an amicable solution.

Mediation

34.3. The Parties may, by written agreement and at any time, submit the dispute or controversy to mediation by an entity qualified to do so, under the terms of its regulations and in accordance with Applicable Law.

Independent expert

34.4. The Parties may, by written agreement, have recourse to an independent expert in order to obtain a reasoned opinion that may lead to the closure of the dispute or controversy.

34.4.1. If such an agreement is signed, recourse to arbitration can only be exercised after the expert opinion has been issued .

Arbitration

34.5. After the procedure provided for in paragraph 34.2, if one of the Parties considers that the conditions for an amicable settlement of the dispute or controversy referred to in that paragraph do not exist, such matter shall be submitted to arbitration .

- a) The arbitral proceedings shall be administered by a notoriously recognized arbitral institution with an unblemished reputation, with the capacity to administer arbitration in accordance with the rules of this Clause 34, and preferably with a registered office or case management office in Brazil;
- b) The parties to the dispute shall choose the arbitral institution by mutual agreement. If the Parties cannot agree on the choice of the arbitral institution, ANP shall appoint one of the following institutions: (i) the International Court of Arbitration of the International Chamber of Commerce; (ii) the International Court of Arbitration of London; or (iii) the Permanent Court of Arbitration of The Hague. If ANP does not make the appointment within twenty (20) days, the other party to the dispute may use any of the three institutions mentioned in this paragraph;
- c) Arbitration shall be conducted in accordance with the rules of the arbitral institution chosen, insofar as they do not conflict with this Clause 34. Expedited or sole arbitrator procedures shall only be adopted in the event of express agreement between the Parties;
- d) Three arbitrators must be chosen. Each party to the dispute shall choose one arbitrator. The two arbitrators thus chosen shall appoint the third arbitrator, who shall act as chairman;
- e) The city of Rio de Janeiro, Brazil, will be the seat of the arbitration and the place of delivery of the arbitral award;
- f) The language to be used in the arbitration process will be Portuguese. The parties to the dispute may, however, submit testimony or documents in any other language, as decided by the arbitrators, without the need for an official translation;
- g) On the merits, the arbitrators will decide on the basis of Brazilian substantive law;
- h) The arbitral award shall be final and its content shall be binding on the Parties. Any amounts owed by ANP will be paid by means of a court-ordered payment order, except in the event of administrative recognition of the claim;
- i) The expenses necessary for the installation, conduct and development of the arbitration, such as the costs of the arbitral institution and the advance payment of arbitral fees, shall be advanced exclusively by the Party requesting the installation of the arbitration. The Party complained against shall only reimburse such amounts in proportion to the outcome of the arbitration, as decided in the award;
- j) If expert evidence is required, the independent expert shall be appointed by mutual agreement between the parties to the dispute or, failing agreement, by the Arbitral Tribunal. The costs of such expertise, including expert fees, shall be advanced by the Party requesting it or by the party requesting arbitration, if proposed by the Arbitral Tribunal. Such costs shall ultimately be borne by the losing party, in accordance with the preceding paragraph. The parties to the dispute may appoint expert assistants of their confidence at their own expense, but such costs shall not be reimbursed;
- k) The Arbitral Tribunal shall order the wholly or partially unsuccessful Party to pay attorneys' fees, in accordance with articles 85 and 86 of the Brazilian Code of Civil Procedure, or any successor rule. No other compensation shall be due for expenses incurred by a Party in connection with its own representation;
- l) If precautionary or emergency measures are required before the arbitration is instituted, the interested party may request them directly from the Judiciary, on the

basis of the Applicable Law, and they will cease to be effective if the arbitration is not requested within 30 (thirty) days of the effective date of the decision;

- m) ANP may, at the request of the Concessionaire and at its sole discretion, suspend the adoption of enforcement measures, such as the execution of guarantees and registration in debtors' registers, provided that the Concessionaire keeps the guarantees in force for the periods provided for in this Agreement, for a sufficient period for the Arbitral Tribunal to be set up, in order to avoid the unnecessary filing of the judicial measure provided for in the preceding paragraph;
- n) The arbitration procedure must observe the principle of publicity, under the terms of the Applicable Legislation, with confidential data being safeguarded under the terms of this Agreement. Disclosure of information to the public shall be the responsibility of the arbitral institution administering the proceedings and shall preferably be done electronically.

34.6. The Parties hereby declare that they are aware that the arbitration referred to in this Thirty-fourth Clause refers exclusively to disputes arising out of the Agreement or related thereto, and is only possible to settle disputes relating to available property rights, under the terms of Law No. 9.307/1996.

34.6.1. For the purposes of this Thirty-fourth Clause, disputes over available property rights shall be deemed to arise from:

- a) the incidence of contractual penalties and their calculation;
- b) enforcement of guarantees;
- c) the calculation of indemnities arising from the termination or transfer of the Agreement;
- d) breach of contractual obligations by either Party; and
- e) of claims related to contractual rights or obligations.

Forum

34.7. For the purposes of subparagraph "I" of paragraph 34.5 and for matters that do not deal with available property rights, under the terms of Law No. 9.307/1996, the Parties elect the Federal Court - Judicial Section of Rio de Janeiro, Brazil, as the sole competent court, expressly waiving any other, however privileged.

Suspension of Activities

34.8. ANP will decide whether or not to suspend the activities involved in the dispute or controversy.

34.8.1. The criterion for the decision must be the need to avoid personal or material risk of any kind, especially with regard to Operations.

Justifications

34.9. ANP undertakes, whenever it exercises its discretionary power, to explain the justifications for the act, observing the Applicable Legislation and complying with the Best Practices of the Petroleum Industry.

Continuous Application

The provisions of this Clause 34 shall remain in force and shall survive the termination of the Agreement.

CLAUSE XXX - CONTRIBUTION TO THE INTERNATIONAL SEABED AUTHORITY

[CLAUSE APPLICABLE ONLY TO CONCESSION AGREEMENTS FOR BLOCKS LOCATED BEYOND 200 NAUTICAL MILES]

XX.1 Production in reservoirs located totally or partially in areas of the continental shelf, beyond 200 (two hundred) nautical miles from the baselines, will be subject to payment of the contribution to the International Seabed Authority, under the terms of the United Nations Convention on the Law of the Sea, which came into force on November 16, 1994, in accordance with Decree No. 1,530 of June 22, 1995.

XX.1.1 The Concessionaire shall be responsible for the economic burden of paying the amounts due to the International Seabed Authority, under the terms of the Applicable Legislation.

CLAUSE THIRTY-FIFTH - FINAL PROVISIONS

Execution of the Agreement

35.1. The Concessionaire must maintain all the conditions and qualifications required in the bid throughout the performance of the Agreement, in compatibility with the obligations it has undertaken.

Modifications and Additives

35.2. The omission or toleration by either Party of the requirement to comply with the provisions of this Agreement, as well as the acceptance of performance other than that contractually required, shall not imply novation and shall not limit the right of such Party to, on subsequent occasions, impose compliance with such provisions or require performance compatible with that contractually required.

35.3. Any modifications or amendments to this Agreement must comply with Applicable Law and shall only be valid if formally made in writing and signed by the representatives of the Parties.

Advertising

35.4. ANP shall publish the full text or extract of the terms of this Agreement in the Federal Official Gazette, for its erga omnes validity.

In agreement, the Parties electronically sign this Agreement, together with the witnesses indicated below.

OR

In agreement, the Parties sign this Agreement on XX ("insert number of copies) counterparts, of equal form and content and for a single purpose, in the presence of the witnesses indicated below.

Rio de Janeiro, <date_signature>.

National Agency of Petroleum, Natural Gas and Biofuels - ANP

"diretor_director_general"

Director General of ANP

"signatory_01_operator"

"signatory_01_representative_01"

«signataria_01_cargo_01»

"signatory_01_operator"

"signatory_01_representative_02"

«signataria_01_cargo_02»

"signataria_02"

"signatory_02_representative_01"

«signataria_02_cargo_01»

"signataria_02"

"signatory_02_representative_02"

«signataria_02_cargo_02»

Witnesses:

Name: "witness_01_name"

CPF: "witness_01_cpf"

Name: "witness_02_name"

CPF: "witness_02_cpf"

ANNEX I - AREA OF CONCESSION

The Concession Area of this Agreement is Block "block" following ANP grid pattern and the SIRGAS 2000 Geodetic Reference System, whose Geographic Coordinates in Latitude and Longitude are listed below.

CARTOGRAPHIC PARAMETERS USED FOR THE COORDINATES

(Add Sedimentary Basin and Exploratory Block information, following ANP Grid pattern)

(Geodetic Reference System SIRGAS 2000)

Coordinate parameters:

Geographical coordinates: Latitude; Longitude

Format (+GG:MM:SS,SSS)

ANNEX II - MINIMUM EXPLORATORY PROGRAM

The Exploration Phase will last "duracao fase" years and will consist of a single period.

The activities to be carried out by the Concessionaire in order to comply with the Minimum Exploration Program (PEM) are described in this Annex.

Table 1 - Minimum Exploratory Program

Block	Block area (km ²)	Work Units (WU)
"block"	"block_area"	"pem_ut"

Table 2 - Equivalence of Work Units (UTs) to comply with the PEM

Description	Measure	Deep and Ultra Deep Water Sectors	Shallow water Sectors	Onshore Sectors
Financial Value per UT	R\$/UT	R\$ 301.600,00	R\$ 130.600,00	R\$ 11.400,00
Exploratory Activity	Measure	UT Equivalence	UT Equivalence	UT Equivalence
Exploratory well	UT	1.000	1.000	1.000
2D seismic	UT/km	0,14	0,31	6,64
3D seismic	UT/km ²	0,26	0,59	22,57
2D reprocessing	UT/km	0,01	0,03	0,20
3D reprocessing	UT/km ²	0,02	0,04	0,58
Potential GRAV or MAG methods	UT/km	0,01	0,02	0,35
Potential GRAV-AR methods	UT/km	0,03	0,08	1,77
Potential GRAV-GRAD methods	UT/km	0,03	0,08	1,77
MAG-GRAD Potential Methods	UT/km	0,03	0,08	1,77
Terrestrial electromagnetic receiver	UT/Receiver	-	-	0,84
Maritime or aerial electromagnetic (km)	UT/km	0,04	0,0935	1,07
Electromagnetic (km ²)	UT/km ²	0,08	0,1782	-
Electromagnetic reprocessing (Km)	UT/km	0,01	0,0268	0,12
Electromagnetic reprocessing (Km) ²	UT/km ²	0,01	0,0335	-

Geochemistry	UT/Sample	0,17	0,3918	0,51
Multibeam Bathymetry	UT/km	0,01	0,0077	-

Table 3 - Monetary Value of the EMP and the Financial Guarantee

Value of the Minimum Exploratory Program (R\$)	Value of the Financial Guarantee (R\$)
"pem_coin"	"pem_coin"
"pem_extended_currency"	"pem_extended_currency"

Table 4 - Factors for reducing non-exclusive surveys and reprocessing for the purpose of complying with the Minimum Exploration Program

Time elapsed between the request for the reduction of the Minimum Exploratory Program made to ANP and the date of conclusion of the operation of acquisition or reprocessing of the non-exclusive data	Reduction Factor
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------

For the purposes of complying with the Minimum Exploration Program, the non-exclusive surveys and reprocessing provided for in the tender protocol will be taken into account, applying the rules and reduction factor indicated in Table 4.

Only non-exclusive surveys authorized by ANP will be accepted, provided that the data acquisition companies have complied with all the data delivery requirements for the Exploration and Production Database (BDEP).

For the purpose of calculating the amount to be considered for compliance with the Minimum Exploratory Program, the time between the rebate request and the conclusion of the non-exclusive data acquisition or reprocessing operation will be taken into account.

In order to comply with the Minimum Exploratory Program, the wells drilled must achieve the main objective approved by ANP in the Well Drilling Notification.

ANNEX III - FINANCIAL GUARANTEE OF THE MINIMUM EXPLORATORY PROGRAM

(Attach a copy of the Financial Guarantee for the Minimum Exploratory Program)

ANNEX IV - PERFORMANCE GUARANTEE

(Attach a copy of the document submitted, if applicable)

ANNEX V - GOVERNMENT HOLDINGS AND THIRD PARTIES

Under the terms of Clause Twenty-Three, the Concessionaire will pay the following Government and third-party Participations:

- a) Royalties, in the amount corresponding to "royalties_percentage" % ("royalties_percentage_extent") of Oil and Natural Gas Production in the Concession Area;
- [The value of the royalty rate for the sector will be included, according to Annex I of the tender protocol of the Open Acreage of Concession].
- [For Concession agreements for Blocks located beyond 200 nautical miles, the corresponding table in Annex I of the tender protocol of the open acreage of concession will be included].
- b) Special participation, in the amount defined in Decree No. 2.705, of August 3, 1998;
- c) Payment for occupation or retention of area¹ : i) in the Exploration Phase, in the amount of R\$ "ocupacao_exploracao" ("ocupacao_exploracao_extenso") per square kilometer or fraction of the Concession Area, with the increase provided for in Decree No. 2.705, of August 3, 1998, in the event of an extension; ii) during the Development Phase of the Production Phase, in the amount of R\$ "ocupacao_desenv" ("ocupacao_desenv_extenso"); and iii) in the Production Phase, in the amount of R\$ "ocupacao_producao" ("ocupacao_producao_extenso"); e
- d) Payment to landowners of a share equivalent to "payment to owners_percentage" % ("payment to owners_percentage_extent") of Oil and Natural Gas Production, under the terms of the Applicable Legislation.

¹ Payment for the Retention or Occupation of the Area, in Reais per square kilometer, under the terms of the bidding notice.

ANNEX VI - PAYMENT OF THE SIGNATURE BONUS**Table 1 - Subscription Bonus Amounts Offered and Paid by the Concessionaire**

Block	Value offered (R\$)	Amount Paid (R\$)
"block"	"bonus" "bonus_extenso"	"bonus" "bonus_extenso"

ANNEX VII - DESIGNATION OF OPERATOR

The initial Operator is "signatory_01_operator". A new Operator may be appointed in accordance with the provisions of Clause Fifteen and subject to the conditions of Clause Twenty-Eight.