



---

# Lower Congo Onshore

Data package listing

- A - Seismic lines and shot points
- B - Lower Congo Onshore well data base & Package
- C - Geological Data
- D - Well reports and well logs
- E - Studies
- F - Basin Montages & Geochemistry
- G - Maps
- H - Legal Information

## A - SEISMIC LINES AND SHOT POINTS

### Block CON 1 Seismic Surveys:

Survey 2D-BBCTNG07: 4 seismic lines for a total of 66.03 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG07	TNG-2007-01	1-704	17.58
2D-BBCTNG07	TNG-2007-02_1	1-492	12.28
2D-BBCTNG07	TNG-2007-03_1	1-670	16.73
2D-BBCTNG07	TNG-2007-10_2	1-779	19.45
<b>TOTAL</b>		<b>66.03 Km</b>	

Survey 2D-BBCTNG08: 14 seismic lines for a total of 321.72 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG08	TNG-2008-02	1-1163	29.05
2D-BBCTNG08	TNG-2008-03	1-391	9.75
2D-BBCTNG08	TNG-2008-04	1-451	11.25
2D-BBCTNG08	TNG-2008-05	1-929	23.20
2D-BBCTNG08	TNG-2008-07	1-929	23.20
2D-BBCTNG08	TNG-2008-08	1-809	20.20
2D-BBCTNG08	TNG-2008-14	1-1397	34.91
2D-BBCTNG08	TNG-2008-16	1-1483	37.06
2D-BBCTNG08	TNG-2008-17	1-1561	39.01
2D-BBCTNG08	TNG-2008-18	1-933	23.31
2D-BBCTNG08	TNG-2008-19	1-637	15.90
2D-BBCTNG08	TNG-2008-20	1-819	20.45
2D-BBCTNG08	TNG-2008-21	1-939	23.46
2D-BBCTNG08	TNG-2008-22	1-439	10.95
<b>TOTAL</b>		<b>321.72 Km</b>	

Survey 2D-BBCTNG10: 4 seismic lines for a total of 161.71 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG09	TNG-2009-01	2-1450	36.21
2D-BBCTNG09	TNG-2009-02	1-1374	34.33
2D-BBCTNG10	TNG-2010-03	1-1318	32.94
2D-BBCTNG10	TNG-2010-04	1-2330	58.23
<b>TOTAL</b>		<b>161.71 Km</b>	

2D - Legacy seismic digitalized: 46 seismic lines for a total of 310.52 Km.

Survey	Line Name	SP Full Line	Km Full Line	Nav.	SEGY	Seismic Digitalized
ANGTER	MNP-09	2-202	12.00	X	N/A	X
ANGTER	Q-17B	1-783	23.47	X	N/A	X
ANGTER	Q-28D	1-40	3.95	X	N/A	X
ANGTER	Q30	1-273	28.46	X	N/A	X
ANGTER	Q-17	1-157	18.74	X	N/A	X
ANGTER	Q-19	1-111	13.19	X	N/A	X

ANGTER	Q-3A	501-631	16.26	X	N/A	X
ANGTER	Q-19A	112-155	5.20	X	N/A	X
ANGTER	Q-25B	2-81	6.31	X	N/A	X
ANGTER	Z-09	1-409	12.27	X	N/A	X
ANGTER	Q42	1-285	8.53	X	N/A	X
ANGTER	Q-15A	1-329	9.84	X	N/A	X
ANGTER	NZP-02	5-348	20.57	X	N/A	X
ANGTER	CDP74-01	1-98	5.82	X	N/A	X
ANGTER	PCP75-09	101-373	16.30	X	N/A	X
ANGTER	PCP75-10	101-382	16.85	X	N/A	X
ANGTER	PCP75-12	105-339	14.04	X	N/A	X
ANGTER	PCP80-01	101-299	11.81	X	N/A	X
ANGTER	PCP80-02	101-295	11.76	X	N/A	X
ANGTER	PCP80-03	101-284	10.96	X	N/A	X
ANGTER	PCP80-05	101-268	10.00	X	N/A	X
ANGTER	PCP80-06	101-332	13.88	X	N/A	X
ANGTER	PCP80-08	101-336	14.10	X	N/A	X
ANGTER	PCP80-10	101-295	11.61	X	N/A	X
ANGTER	PCP80-11	101-342	14.43	X	N/A	X
ANGTER	PCP80-12	101-256	9.31	X	N/A	X
ANGTER	PCP80-32	101-210	6.51	X	N/A	X
ANGTER	SZP-11	165-353	11.41	X	N/A	X
ANGTER	UTP-02	1-220	13.04	X	N/A	X
ANGTER	UTP-05	20-347	19.54	X	N/A	X
ANGTER	SZP-11A	5-206	12.18	X	N/A	X
ANGTER	LQP82-01	101-255	7.68	X	N/A	X
ANGTER	LQP82-02	101-284	9.15	X	N/A	X
ANGTER	NZP82-01	101-187	4.30	X	N/A	X
ANGTER	NZP82-02	108-210	5.09	X	N/A	X
ANGTER	QCP82-01	101-280	8.89	X	N/A	X
ANGTER	QCP82-02	101-268	8.33	X	N/A	X
ANGTER	Q39	1-260	7.78	X	N/A	X
ANGTER	Q41	1-261	7.83	X	N/A	X
ANGTER	Q43	1-205	6.11	X	N/A	X
ANGTER	Q44	1-163	4.86	X	N/A	X
ANGTER	Q-17C	1-325	9.71	X	N/A	X
ANGTER	Q-28C	1-325	4.68	X	N/A	X
ANGTER	MNP-09	2-202	12.00	X	N/A	X
ANGTER	Q-17B	1-783	23.47	X	N/A	X
ANGTER	Q-28D	1-40	3.95	X	N/A	X
ANGTER	Q30	1-273	28.46	X	N/A	X
ANGTER	Q-17	1-157	18.74	X	N/A	X
ANGTER	Q-19	1-111	13.19	X	N/A	X
ANGTER	Q-3A	501-631	16.26	X	N/A	X
<b>TOTAL</b>			<b>550.38 Km</b>			

## Block CON 5 Seismic Surveys:

Survey 2D-BBCTNG10: 11 seismic lines for a total of 396.15 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG10	TNG-2010-06	1-822	20.53
2D-BBCTNG10	TNG-2010-07	1-902	22.53
2D-BBCTNG10	TNG-2010-08	1-1760	43.98
2D-BBCTNG10	TNG-2010-09	1-1714	42.84
2D-BBCTNG10	TNG-2010-10	1-1356	33.88
2D-BBCTNG10	TNG-2010-11	1-1428	35.68
2D-BBCTNG10	TNG-2010-12	1-1940	48.49
2D-BBCTNG10	TNG-2010-21	1-2112	52.78
2D-BBCTNG10	TNG-2010-24	1-998	24.93
2D-BBCTNG10	TNG-2010-25	1-1190	29.73
2D-BBCTNG10	TNG-2010-26	1-1632	40.78
<b>TOTAL</b>		<b>396.15 Km</b>	

## Block CON 6 Seismic Surveys:

Survey 2D-BBCTNG07: 8 seismic lines for a total of 196.05 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG07	TNG-2007-04_1	1-917	22.90
2D-BBCTNG07	TNG-2007-05_1	1-518	12.93
2D-BBCTNG07	TNG-2007-05_2	1-800	19.98
2D-BBCTNG07	TNG-2007-06	1-1376	34.38
2D-BBCTNG07	TNG-2007-07	1-952	23.78
2D-BBCTNG07	TNG-2007-08	1-1891	47.25
2D-BBCTNG07	TNG-2007-10_1	1-616	15.37
2D-BBCTNG07	TNG-2007-10_2	1-779	19.45
<b>TOTAL</b>		<b>196.05 Km</b>	

Survey 2D-BBCTNG08: 12 seismic lines for a total of 272.71 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG08	TNG-2008-08	1-809	20.20
2D-BBCTNG08	TNG-2008-09	1-781	19.50
2D-BBCTNG08	TNG-2008-10	1-705	17.60
2D-BBCTNG08	TNG-2008-11	1-701	17.50
2D-BBCTNG08	TNG-2008-12	1-683	17.05
2D-BBCTNG08	TNG-2008-13	1-565	14.10
2D-BBCTNG08	TNG-2008-14	1-1397	34.91
2D-BBCTNG08	TNG-2008-15	1-861	21.51
2D-BBCTNG08	TNG-2008-16	1-1483	37.06
2D-BBCTNG08	TNG-2008-17	1-1561	39.01
2D-BBCTNG08	TNG-2008-18	1-933	23.31
2D-BBCTNG08	TNG-2008-22	1-439	10.95
<b>TOTAL</b>		<b>272.71 Km</b>	

Survey 2D-BBCTNG10: 11 seismic lines for a total of 408.88 Km.

Survey	Line Name	SP Full Line	Km Full Line
2D-BBCTNG09	TNG-2009-01	2-1450	36.21
2D-BBCTNG09	TNG-2009-02	1-1374	34.33
2D-BBCTNG10	TNG-2010-09	1-1714	42.84
2D-BBCTNG10	TNG-2010-10	1-1356	33.88
2D-BBCTNG10	TNG-2010-11	1-1428	35.68
2D-BBCTNG10	TNG-2010-12	1-1940	48.49
2D-BBCTNG10	TNG-2010-13	1-1330	33.23
2D-BBCTNG10	TNG-2010-14	1-1550	38.74
2D-BBCTNG10	TNG-2010-18	1-1408	35.18
2D-BBCTNG10	TNG-2010-19	1-1182	29.53
2D-BBCTNG10	TNG-2010-26	1-1632	40.78
<b>TOTAL</b>		<b>408.88 Km</b>	

2D - Legacy seismic digitalized: 28 seismic lines for a total of 367.52 Km.

Survey	Line Name	SP Full Line	Km Full Line	Nav.	SEGY	Seismic Digitalized
ANGTER	Q-20	32-58	1.57	X	N/A	X
ANGTER	Q-22	2-62	3.63	X	N/A	X
ANGTER	Q-20B	32-298	16.04	X	N/A	X
ANGTER	Q-22A	32-130	5.89	X	N/A	X
ANGTER	MNP-09	2-202	12.00	X	N/A	X
ANGTER	UQ-01	3-301	17.81	X	N/A	X
ANGTER	Q5	1-176	26.22	X	N/A	X
ANGTER	Q9	1-202	26.89	X	N/A	X
ANGTER	Q-17	1-157	18.74	X	N/A	X
ANGTER	Q-19	1-111	13.19	X	N/A	X
ANGTER	Q-3A	501-631	16.26	X	N/A	X
ANGTER	Q-18A	60-250	11.47	X	N/A	X

ANGTER	Q-20A	12-55	2.59	X	N/A	X
ANGTER	PCP80-13	101-547	26.64	X	N/A	X
ANGTER	PCP80-15	101-631	31.81	X	N/A	X
ANGTER	PCP80-16	101-332	13.80	X	N/A	X
ANGTER	PCP80-18	101-286	11.10	X	N/A	X
ANGTER	PCP80-20	101-280	10.73	X	N/A	X
ANGTER	PCP80-22	101-290	11.34	X	N/A	X
ANGTER	PCP80-24	101-295	11.62	X	N/A	X
ANGTER	PCP80-26	101-303	12.11	X	N/A	X
ANGTER	PCP80-28	101-356	15.31	X	N/A	X
ANGTER	PCP80-14A	101-200	5.94	X	N/A	X
ANGTER	PCP82-07	101-268	8.33	X	N/A	X
ANGTER	PCP82-09	105-240	6.73	X	N/A	X
ANGTER	PCP82-11	101-282	9.03	X	N/A	X
ANGTER	PCP82-13	101-337	11.82	X	N/A	X
ANGTER	QCP82-01	101-280	8.89	X	N/A	X
<b>TOTAL</b>			<b>367.52 Km</b>			

X - Available Data

## B – LOWER CONGO ONSHORE WELL DATA BASE AND PACKAGE, WELL REPORTS AND WELL LOGS

Compiled Data Base of some 221 Onshore and selected Offshore Exploration Wells which includes the originally reported coordinates, well stratigraphy, spud dates and status etc...

There are 2 addendum of additional information:

- Angola Lower Congo Onshore Data Package Volume I
- Angola Lower Congo Onshore Data Package Volume II

## C – GEOLOGICAL DATA

- Graphic view on drilling history (Plate VI)
- Onshore stratigraphy (Plate VII)
- Onshore surface geology(Plate VIII)
- Regional geological section at northern part of onshore/offshore (Plate XIII)
- Regional geological section at central part of onshore/offshore (Plate XIV)
- Regional geological section along strike at east and west portion of onshore (Plate XV)
- Regional geological section at southern part of onshore (Plate XVI)
- There are 2 cross sections in this data package , for blocks CON 1, CON 5 and CON 6
- There are 6 seismic sections in this data package, for blocks CON 1, CON 5 and CON 6

## D – WELL REPORTS & WELL LOGS

54 wells have been selected for their strategic importance in terms of their exploration objectives, results and the fact they are situated on, or close to the selected seismic lines listed in A.

Wells	Reports	Composite Log		
		CGM	LIS	LAS
CABECA DA COBRA-1	Etude Petrographique De La Formation Pinda			
	Rapport Geologique	x	x	x
	Static Pressure Survey			

CABECA DA COBRA-2	Relatorio Geologico	x	x	x
CABECA DA COBRA-3	Rapport Geologique	x	x	x
CABECA DA COBRA-4	Rapport Geologique	x	x	x
CABECA DA COBRA-10	Relatorio Geologico	x	x	x
CHIMACUANGA-1	Rapport Geologique	x	x	x
	Sismogramme Synthetique			
CONDA COMBA-1	Rapport Geologique	x	x	x
	Description Petrographique des Carottes			
	Courbes Pression Capilaire et Etude Petrographique des Clabs			
DONGO-1	Final Well Report	x	x	x
	Rapport Geologique			
FUMA FUMA-1	Drill Steam Test Report (DST1, 2, 3, 4)	x	x	x
	Rapport Geologique			
	Sismogramme Synthetique_Rapport Geophysique			
GANDA-1 BIS	Bis Rapport Geologique	x	x	x
	Bis Etude Petrographique et Sedimentologique Formacao Pinda			
GANDA-2	Rapport Geologique	x	x	x
KIELA-1	Commentaires sur Letude Geochimique du Puits	x	x	x
	Etude Geochimique des Matieres Organiques de Lantisalifere			
	Etude Micropaleontologique Cretace Superieur et du Tertiaire			
	Etudes Optiques De La Matiere Organique			
LOMBO-1	Etude Sedimentologique des Carottes 1 a 3 du Pinda Superieur	x	x	x
	Final Drilling Report			
	Rapport Geologique			
LUANGO-1	Rapport Geologique	x	x	x
LUANGO-3	Rapport Geologique	x	x	x
LUANGO-5	Rapport Geologique	x	x	x
LUANGO-6	Rapport Geologique	x	x	x
LUCULO-1	Rapport Geologique	x	x	x
LUELA-1	Final Drilling Report	x	x	x
	Report On Well Velocity Survey and Calibrated Velocity Log			
	Rapport Geologique			
LUMUENO-1	Rapport Geologique	x	x	x
LUMUENO-2	Rapport Geologique	x	x	x
LUMUENO-3	Etude Geochimique	x	x	x
	Rapport Geologique			
LUSSANGA-1	Drill Stem Test Report DST 1-2-3-4-5-6	x	x	x
	Drilling Report			
	Rapport Geologique			
	Rapport Geophysique n°71-6-Sismogramme Synthetique			
LUSSANGA-2	Rapport Geophysique-Seismogramme Synthetique	x	x	x
	Rapport Geologique			
MAIANGALA-1	Carottage Sismique	x	x	x
	Sismogramme Synthetique			
MAIANGALA-2	Carottage Sismique du Puits	x	x	x
	Etude Geochimique Du Puits			
	Le Prospect Infrasalifere Maiangala Apres le Forage			
	Rapport Geophysique n° 73-9 Synthetic Seismogram			

NENGA-1	Drill Steam Test Report DST1	x	x	x
	Rapport Geophysiquen <sup>o</sup> 71-5 Sismogramme Syntetique			
	Rapport Geologique			
NZOMBO-1	Rapport Geologique	x	x	x
	Estudo Petrografico do Pinda			
	Etude Sedimentologique et Geochimique de la Formation Pinda			
	Premiers Resultats Pinda Sommital			
	Stimulation Report			
NZOMBO-2	Rapport Geophysique- Sismogrammes Synthetiques	x	x	x
	Rapport Geologique			
NZOMBO-5	Etude Sedimentologique de la Formation Pinda	x	x	x
	Sismogramme Synthetique			
	Rapport Geologique			
NZOMBO-14	Rapport Geologique	x	x	x
NZOMBO-25	NZombo Nord-Est-Pinda Correlations entre NZ25 et NZ29	x	x	x
	Seismograph Service England Limited			
	Etude Petrographique du Pinda Inferieur			
	Rapport Geologique			
NZOMBO-35	Rapport Geologique	x	x	x
ONDITARI-1	Estudo Petrografico Do Testemunho De Sondagem	x	x	x
	Sismogramme Synthetique			
PAMPA-1	Drilling Report	x	x	x
	Rapport Geologique			
PINDA-1	Final Report	x	x	x
	Sismogramme syntetique			
PINDA-2	Rapport Geologique	x	x	x
PINDA-3	Rapport Geophysique	x	x	x
PINDA-4	Seismogram Synthetique	x	x	x
	Carottage Sismique du Puits			
	Etude Geochimique			
	Etude Petrographique et Sedimentologique de la Formation Pinda			
	Rapport Geologique			
PINDA-101	Rapport Geologique	x	x	x
QUELO-1	Drill Steam Test Report DST-1, 2 e 3	x	x	x
	Sismogramme Synthetique-Rapport Geophysique			
	Rapport Geologique			
QUIFUMA-1	Rapport Geologique	x	x	x
QUIFUMA-2	Rapport Geologique	x	x	x
	Well Seismic Service			
QUINFUQUENA-1	Sismogrammes Syntthétiques	x	x	x
	Rapport Geologique			
QUINFUQUENA-5	Rapport Geologique	x	x	x
QUINFUQUENA-15	Facteur de Formation Resultats Experimentaux Quelques Echantillon	x	x	x
	Rapport Geologique			
	Well Seismic Service			
QUINFUQUENA-18	Rapport Geologique	x	x	x
	Final Well Report			
QUINFUQUENA-19	Rapport Geologique	x	x	x
QUINGUILA-1	Rapport Geologique	x	x	x

QUINZAU-1	Note Petrographique	x	x	x
	Rapport Geophysique N° 71 Sismogramme Synthetique			
	Rapport Geologique			
QUINZAU-2	Rapport Geologique	x	x	x
SAZAIRE-1	Album des Planches photographiques	x	x	x
	Etude Petrographique Et Sedimentologique			
	Etude Bio Chronostratigraphique L'ante-Senonien			
	Rapport Geologique			
SEREIA-1	Sismogramme Synthetique	x	x	x
	Etude Geochimique De Infrasalifere			
	Etude Petrographique			
	Rapport Geologique			
VUANDEMBO-1	Carotage Seismique	x	x	x
	Seismogrammes Synthetiques			
	Rapport Geologique			
VUANDEMBO-2	Rapport Geologique	x	x	x

## E – STUDIES

- Angola Lower Congo Onshore Fields and Reserves
- Congo Basin Onshore Fields and Reserves
- Nzombo, Ganda and Quinfuquena Area Geophysical and Geological Re-Evaluation
- Rapport d'interpretation de la zone Nord-Ouest du Congo Portugais Onshore et Liaison avec Loffshore
- Reinterpretacao da Estrutura de NZombo NE

## F –BASIN MONTAGES & GEOCHEMISTRY

- Montage of Kiela – Sereia Presalt graben montage (Plate XXII)
- Montage of the Maiangala Presalt graben montage (Plate XXIII)
- Chemical characters of the oil (Plate XXIV)
- Composition of the oil (Plate XXV)
- Montage of oil chromatograms (Plate XXVI)
- Montage of Hydrogen Index vs Oxygen Index, Hydrogen Index vs T.Max of oils samples (Plate XXVII-A)
- Montage of Hydrogen Index vs Oxygen Index, Hydrogen Index vs T.Max of oils samples (Plate XXVII-B)
- Geothermal gradient (Plate XXVIII)

## G - MAPS

- Concession Map
- Well Location Map
- Seismic Coverage Map
- Sonangol Maps and Diagrams
- Gravity (Vertical gradient map - Plate XVII).
- Aeromagnetic (Reduced to pole - Plate XVIII).
- Presalt structural elements (Plate XIX).
- Geological sections of presalt (Plate XIX-A)
- Postsalt structural elements (Plate XX).
- Geological sections of postsalt (Plate XX-A)
- Albian facies (Plate XXI)



## H - LEGAL INFORMATION

Legal information includes:

- Decree 20/82
- Decree 120/08
- Decree 3/12
- Petroleum Customs Law
- Petroleum Taxation Law
- Petroleum Activities Law
- Order 127/03 Law
- Order 2/12 Law