



REFERENCE DOCUMENTS			
ET SYMBOLS AND ABBREVIATIONS			
EQUIPMENT			
TAG	DESCRIPTION	TYPE	CAPACITY (NOTE 2)
V-122501 (1x100%)	CANCELLED		
V-122501 (1x100%)	GAS BOOSTER SUCTION K.O. DRUM	VERTICAL	584136 m ³ /d
C-UC-122501-01 (1x100%)	GAS BOOSTER UNIT COMPRESSOR	SCREW	195000 m ³ /d
V-UC-122501-01 (1x100%)	GAS BOOSTER COMPRESSION K.O. DRUM	VERTICAL	195000 m ³ /d
UC-122501 (1x100%)	GAS BOOSTER COMPRESSION UNIT	-	195000 m ³ /d
P-UC-122501-01 (1x100%)	GAS BOOSTER COMPRESSION COOLER	SHELL AND TUBE	HOLD (NOTE 11)
FT-UC-122501-01 (1x100%)	1st GAS BOOSTER COMPRESSION FILTER	COALESCER	195000 m ³ /d
FT-UC-122501-02 (1x100%)	2nd GAS BOOSTER COMPRESSION FILTER	COALESCER	195000 m ³ /d

- GENERAL NOTES**
- 1 - GAS FLOW RATE AT PRESSURE AND TEMPERATURE OPERATION CONDITIONS.
 - 2 - GAS CAPACITY AT 20°C AND 101.3 kPa abs.
 - 3 - RECIRCULATION SHALL BE ANALYSED BY DETAILING DESIGN, TO PERFORM CONTROL WHEN GAS FLOW IS BELOW 10% COMPRESSOR CAPACITY.
 - 4 - OIL VOLUMETRIC FLOW RATE AND OIL DENSITY ARE THE ACTUAL VALUES IN DRY BASIS.
 - 5 - CANCELLED
 - 6 - THIS FLOW SHOWS WATER PRESENT ONLY IN THE LIQUID PHASE.
 - 7 - THIS TEMPERATURE WAS ESTIMATED AS 100°C. IT SHALL BE CONFIRMED DURING DETAILING DESIGN.
 - 8 - TO BE CONSIDERED OIL CARRYOVER, AT GAS BOOSTER PACKAGE INLET, FOR AN ESTIMATED FLOWRATE OF 400 L/DAY.
 - 9 - PROCESS CONDITIONS FOR THIS STREAM SHALL BE DEFINED BY CONTRACTOR.
 - 10 - PROCESS CONDITIONS FOR THIS STREAM SHALL BE CONFIRMED BY CONTRACTOR.
 - 11 - TO BE DEFINED BY CONTRACTOR.

STREAM CHARACTERISTICS COMPOSITION (% MOLAL) AND FLOW RATES	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
WATER	H ₂ O	72.08	0	67.37	67.34	100	100	6.40																							
NITROGEN	N ₂	0.02	0.47	0.05	0.05	0	0	0.15																							
CARBON DIOXIDE	CO ₂	1.56	2	1.59	1.59	0	0	4.98																							
METHANE	C1	12.12	88.74	17.12	17.14	0	0	53.75																							
ETHANE	C2	2.16	4.31	2.30	2.30	0	0	7.21																							
PROPANE	C3	1.71	1.55	1.70	1.70	0	0	5.29																							
I-BUTANE	I-C4	0.75	0.43	0.73	0.73	0	0	2.25																							
N-BUTANE	N-C4	2.15	1.07	2.08	2.08	0	0	6.36																							
I-PENTANE	I-C5	0.93	0.34	0.89	0.89	0	0	2.63																							
N-PENTANE	N-C5	1.3	0.44	1.24	1.24	0	0	3.60																							
HEXANE	C6	1.34	0.34	1.27	1.27	0	0	3.19																							
HEPTANE	C7	1.7	0.26	1.61	1.61	0	0	2.85																							
OCTANE	C8	1.19	0.05	1.11	1.12	0	0	1.07																							
NONANE	C9	0.56	0	0.52	0.52	0	0	0.21																							
DECANE	C10	0.31	0	0.29	0.29	0	0	0.05																							
UNDECANE	C11	0.13	0	0.13	0.13	0	0	0.01																							
C12+ (NOTE 5)	4-RJS-367	C12+	0	0	0	0	0	0																							
C12+ (NOTE 5)	3-RJS-360A	C12+	0	0	0	0	0	0																							
TOTAL		100	100	100	100	100	100	100																							
MOLAR FLOW RATE	(kgmol/h)	932.14	65.1	997.24	996.3	0.94	0.94	317.5																							
MASS FLOW RATE	(kg/h)	24140	1255	25395	25378	0.02	0.02	10537																							
OIL VOLUMETRIC FLOW RATE (NOTE 4)	(m ³ /h)	0	0	0	0	0	0	0																							
GAS VOLUMETRIC FLOW RATE (NOTE 1)	(m ³ /h)	24034	1428	25535	25535	0	0	1092																							
WATER VOLUMETRIC FLOW RATE (NOTE 6)	(m ³ /h)	0	0	0.02	0.02	0	0	0																							
MOLECULAR WEIGHT	(kg/kgmol)	25.9	19.3	25.5	25.5	18.0	18.0	33.2																							
PRESSURE	(kPa abs)	117.7	117.7	117.7	117.7	93.2	93.2	100																							
TEMPERATURE	(°C)	95.7	38	93.2	93.2	93.2	93.2	100																							
OIL DENSITY	(kg/m ³)	0	0	0	0	0	0	0																							

D	REVISED WHERE INDICATED BY UTC. FOR QUOTATION.	16AUG01	SOLANGE	ZARATTI	ZARATTI
C	REVISED WHERE INDICATED BY UTC. FOR QUOTATION.	06AUG01	SOLANGE	ZARATTI	ZARATTI
B	GENERAL REVISION DUE TO CONSISTENCY VERIFICATION	09FEB01	EBP	NICODEMOS	NICODEMOS
A	GENERAL REVISION-APPROVED BY E&P-BC	08JAN01	EBP	NICODEMOS	NICODEMOS
0	ORIGINAL	08NOV00	CENPES	R. BORGES	NICODEMOS

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CLIENT OR USER
E & P BACIA DE CAMPOS

JOB OR PROJECT
ALBACORA LESTE FIELD DEVELOPMENT

AREA OR UNIT
FPSO UNIT - P-50

TITLE
**Figura 3.2.3-h DIAGRAMA DE FLUXO DE PROCESSO
COMPRESSÃO DE GÁS BOOSTER**

DESIGN	CENPES	DRAWN	EBP	CHECK	R. BORGES	APPROVAL	NICODEMOS
SCALE	NO SCALE	SIZE	A1: 841x594mm	GC	600430	SHEET	01 of 01
DATE	08NOV00	No.	I-DE-3010.62-11225-943-PPC-001				

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