REFERENCE DOCUMENTS

I-ET-3000.00-0000-940-P4X-002 - SYMBOLS FOR PRODUCTION UNITS DESIGN

EQUIPMENT

TAG	DESCRIPTION	TYPE	CAPACITY
C-UC-1231001A/C (3 x 50%)	MAIN GAS COMPRESSOR	Centrifugal	3700000 m³/d
FT-1233001A/B (2 x 100%)	TEG INLET GAS COALESCER FILTER	Coalescer	7400000 m³/d
FT-1233002A/B (2 x 100%)	TEG OUTLET GAS COALESCER FILTER	Coalescer	7400000 m³/d
FT-1233003A/B (2 x 100%)	MOLECULAR SIEVE GAS COALESCER FILTER	Coalescer	4100000 m³/d
FT-1233004A/B (2 x 100%)	MOLECULAR SIEVE PARTICULATE FILTER	Cartridge	4100000 m³/d
FT-1234001A/B (2 x 100%)	SOUR GAS COALESCER FILTER	Coalescer	4100000 m³/d
FT-1238001A/B (2 x 100%)	COALESCER FILTER	Coalescer	7000000 m³/d
P-1233001A/B (2 x 50%)	TEG INLET GAS COOLER	Shell and Tube	2276 kW
P-1233002A/B (2 x 50%)	MOLECULAR SIEVE INLET GAS COOLER	Shell and Tube	775 kW
P-1233003 (1 x 100%)	MOLECULAR SIEVE INLET GAS HEATER	Shell and Tube	622 kW
P-1233004 (1 x 100%)	MOLECULAR SIEVE REGENERATION GAS PRE-HEATER	Shell and Tube	912 kW
P-1233005A/D (4 x 33%)	MOLECULAR SIEVE REGENERATION GAS HEATER	Electrical	722 W
P-1233006 (1 x 100%)	MOLECULAR SIEVE REGENERATION GAS COOLER	Shell and Tube	3471 kW
P-1233007 (1 x 100%)	TEG INLET GAS K.O. DRUM CONDENSATE HEATER	Shell and Tube	631 kW
P-1235001 (1 x 100%)	CO2 REMOVAL UNIT PRE-HEATER	Shell and Tube	5.0 MW
P-1238001A/B (2 x 50%)	GAS/LIQUID EXCHANGER	Shell and Tube	1.0E+06 W
P-UC-1231001A/C-01 (3 x 50%)	MAIN GAS COMPRESSOR SUCTION COOLER	Shell and Tube	10 MW
P-UC-1231001A/C-02 (3 x 50%)	MAIN GAS COMPRESSOR DISCHARGE COOLER	Shell and Tube	14 MW
T-1233001 (1 x 100%)	TEG CONTACTOR	Packing	7400000 m³/d
T-1234001 (1 x 100%)	AMINE CONTACTOR	Packing	2050000 m³/d
UC-1231001A/C (3 x 50%)	MAIN GAS COMPRESSION UNIT		-
UC-1233001A/B (2 x 100%)	MOLECULAR SIEVE REGENERATION GAS COMPRESSION UNIT	Centrifugal	440000 m³/d
UT-1233001 (1 x 100%)	MOLECULAR SIEVE UNIT	Packed	4100000 m³/d
UT-1235001 (1 x 100%)	CO2 REMOVAL UNIT	Membrane	6000000 m³/d
UT-1238001 (1 x 100%)	HYDROCARBON DEW POINT CONTROL SYSTEM	Packed	7400000 Sm³/d
V-1231001 (1 x 100%)	SAFETY GAS K.O. DRUM	Vertical	7400000 m³/d
V-1233001 (1 x 100%)	TEG INLET GAS K.O. DRUM	Vertical	7400000 m³/d
V-1233002 (1 x 100%)	MOLECULAR SIEVE INLET GAS K.O. DRUM	Vertical	4100000 m³/d
V-1233003 (1 x 100%)	REGENERATION GAS SEPARATOR	Vertical	440000 m³/d
V-1234001 (1 x 100%)	AMINE INLET GAS KO DRUM	Vertical	4100000 m³/d
V-1238001 (1 x 100%)	COLD SEPARATOR	Vertical	7000000 m³/d
V-T-1233001 (1 x 100%)	CONTACTOR K.O.DRUM	Vertical	7400000 m³/d
V-UC-1231001A/C-01 (3 x 50%)	MAIN GAS COMPRESSOR SUCTION SCRUBBER	Vertical	3700000 m³/d
V-UC-1231001A/C-02 (3 x 50%)	MAIN GAS COMPRESSOR DISCHARGE SCRUBBER	Vertical	3700000 m³/d
V-UT-1233001-A/C (3 x 50%)	MOLECULAR SIEVE ADSORBERS	Vertical	2050000 m³/d
Z-1227001 (1 x 100%)	TEG REGENERATION PACKAGE		-
Z-1234001 (1 x 100%)	AMINE REGENERATION PACKAGE		-

GENERAL NOTES

1 - LIQUID CAPACITIES ARE AT STANDARD CONDITIONS OF 15.6ºC AND 101.3 kPa abs.

2 - GAS CAPACITIES ARE AT STANDARD CONDITIONS OF 15.6ºC AND 101.3 kPa abs.

3 - CONDENSATE WOULD BE EXPECTED THROUGH CO2 REMOVAL MEMBRANES. THE CONDENSATION AND FLOW RATE OF THIS STREAM SHALL BE CONFIRMED BY PACKEGER.

4 - FLOW RATE AT PRESSURE AND TEMPERATURE OPERATIONAL CONDITIONS.

REV.	DESCRIPTION	DATE	EXEC.	CHECK	APPROV.
0	ORIGINAL ISSUE		LEANDRO	LARISSA	RENATO

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PETROBRAS | DP&T-SRGE

CLIENT: SRGE

JOB: REFERENCE BASIC DESIGN

AREA: BÚZIOS

TITLE: PIPING AND INSTRUMENT DIAGRAM PROCESS PLANT OVERVIEW

DESIGN	ESUP	EDEC		CHECK		APPROV.	
		FERNANDAR.TGP					
SCALE	NO SCALE	DRAWING	1001056398 0010	SHEET	02 of 03		
		NP-1					
DATE		No.	ESUP				
		I-DE-3010.1M-1200-943-P4X-002					

PRELIMINARY

| STREAM N. | | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |