

"AS - BUILT"

- NOTES:
 1. CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
- 2. WELD NO. 1 TO 11

BILL OF MATERIAL

FABRICATION MATERIALS			
COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
PIPE SMLS BE XS A106 GR. B, NACE	10	B1	9. 81
WELDDLET XS x SCH 160 A105, NACE	10 x 1, 1/2	B1	i
WELDOLET XS x SCH 160 A105, NACE	$10 \times 3/4$	B1	1

9. BM

2	WELDDLET XS x SCH 160 A105, NACE	10 x 1, 1/2	B1	
3	WELDOLET XS x SCH 160 A105, NACE	$10 \times 3/4$	B1	
4	90 DEG LR ELBOW SMLS BW XS A234 GR WPB,	10	B1	
	NACE			
5	45 DEG ELBOY SMLS BY XS A234 GR. VPB,	10	B1	
	NACE			
6	FLANGE 300LB WN RF XS A105, NACE	10	B1	
7	FLANGE 600LB WN RF SCH 160 A105, NACE	1. 1/2	B1	
8	FLANGE 600LB WN RF SCH 160 A105, NACE	3/4	B1	

ERECTION MATERIALS

NΠ

PT 10	COMPONENT DESCRIPTION	N. S. (INS)	PIPE SPEC.	QTY
9	SPIRAL WOUND GASKET 300LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	10	B1	2
10	SPIRAL WOUND GASKET GOOLB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	1. 1/2	B1	1
11	SPIRAL WOUND GASKET 600LB RF 4.5mm THK SS316 WINDING/GRAPHITE FILLER W/3mm THK CS CENTERING RING, ZINC COATED	3/4	B1	1
12	180 MM LG STUD BOLTS C/W NUTS A193 GR, B7/A194 GR, 2H HOT-DIP GALY, COATED	1	B1	16
13	115 MM LG STUD BOLTS C/W NUTS A193 GR. 87/A194 GR. 2H HOT-DIP GALV. COATED	3/4	B1	4
14	145 MM LG STUD BOLTS C/W NUTS A193 GR. B7/A194 GR. 2H HOT-DIP GALV. COATED	5/8	B1	4
15	DB&B SLIM-LINE INSTRUMENT MONDFLANGE	3/4	B1	1
16	901RD 115	10		1
17	901TW 115	1, 1/2		î
18	901PZT 115	3/4		î
	SUPPERTS			
19	STD TTI CLAMP	10	B 1	5

			0		
		1	103	AD	l
XO OX	as Built	AR.	RAGU-	7\$B	09.04.12
3	AS BUILT	ÍΤ	BS	SD	07.06.10
2	REVISED AS SHOWN	NN	CG	SD	14.05.08
1	REVISED PER P&ID CHANGES	NN	CG	SD	17.04.08
0	APPROVED FOR CONSTRUCTION	SHU	CG	SD	27.03.08
REV. NO	DESCRIPTION OF REVISION	BY	CHKD	APP'D	DATE
CLIENT :					

COG W

PROJECT:	ла ю. 21—9791		
	FF	PSO CIDADE DEITAJAÍ	ELANTETT:
TITLE:	10.01.1	UNE NO 901-10"-PG-1003A-R1 (SHT 1/2)	CLASE : ABS
PIPING I	ISOMETRIC	901-10"-PG-1003A-B1 (SHT.1/2) 901-10"-PG-1003B-B1 (SHT.1/2)	тке и помика. но. 7000-04-L-26-XN-05121

DESIGN DATA

- 1. DESIGN PRESSURE : 43.8 BARG 2. OPERATING TEMPERATURE : 106° C : 65.7 BARG 3. HYDROSTATIC TEST PRESSURE 4. CORROSION ALLOWANCE : 1/8"
- 5. RADIOGRAPHY 6. INSULATION
- : 100% : PP : GSI (QC) 7. INSPECTION BY 8. PWHT : NO

SCIPLINE SIGN		APTROVED BY SD				
	AR	CHECKED ST				
AL.	VC	CS .	9			
	PAN RH	CRAMM RY SHIU	M			
***	1 \ 1000	SALE				

Vasco Gas Services International (S) Pte Ltd

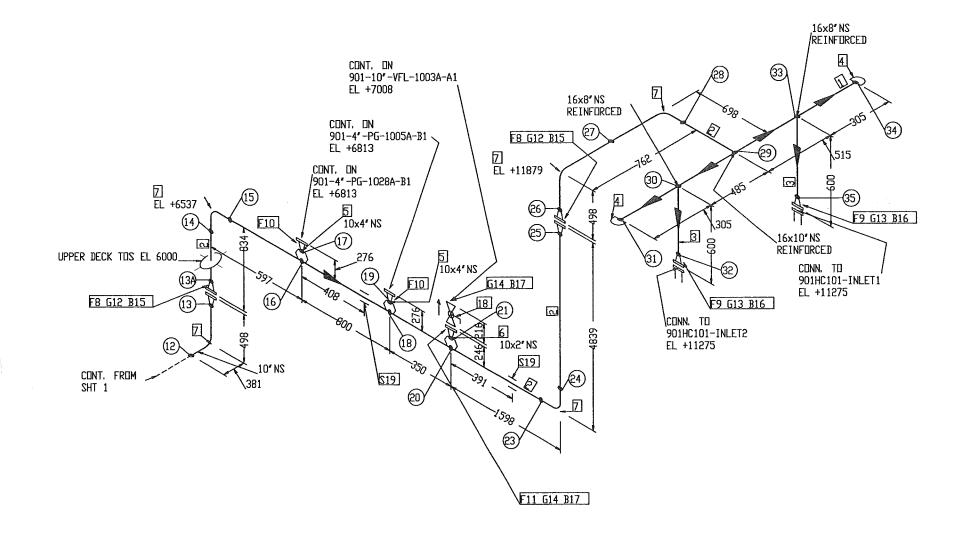
GSI-G375-5121

JSL

JURONG SHIPYARD PTE LTD

ENGINEERING DEPARTMENT XXX SECTION





WAS - B

NOTES:

- 1. CONTRACTOR TO DECIDE ON FIELD WELDS AND EXTRA SPOOL LENGTH WHEREVER NECESSARY.
- 2. WELD NO. (12) TO (35)

Besse En			, .					•	EDMITH:	1	
· BULT"	TITLE:	10 100	NICTOIO.	901		1003	A-B1	(SHT.2/2)	CLASS 1	ABS	
	PIPIN	16 150		901	-10"-PG-	10031	BB1	(SHT.2/2) (SHT.2/2)	700004-		XN-05121
A T A	651 DISCIP	LINE SIGN	APPROVED BY	l	EDEK BASES VI.						
ATA	PROCESS	700,~~	CHECKED BY								
	MECHANICAL	VC	CG CRAIN BY								
: 43.8 BARG	PIPINS	The POH	SHI SHI	ĺ	wasco	Ga	as Sen	rices Internat	ional (S)	Pte I	td
: 106° C	STRUCTURAL	, AUCH	SCALE N.T.S	$\neg \neg$		0.	20 001 1	1000 IIICITIAI			Liu
: 65.7 BARG	ELI	FAX	ACAD DAS 1		JOS NO.		851 DIB. NO:			_	i Killi
: 1/8"	PROJECT	EG	G375-5121-12	محي	K375			SI-G375-5121		SHT	
: 100%		J	RONG SH	IPY/	ARD PTE	I Th					And to
: PP	JSL				Corp Marine Ltd)	Ball By			(alveb)		

OOG W

FPSO CIDADE DEITAJAÍ

BILL OF MATERIAL

PIPE

SPEC.

B1

Βi

B1

B1

B1

B1

Bi

B1

B1

B1

PIPE

SPEC.

B1

B1

B1

B1

B1

B1

B1

B1

AR RAGE SD 09.04.12

FT BS SD 07.06.10

NN CG SD 14.05.08

NN CG SD 17.04.08

SHU CG SD 27.03.08

BY CHK'D APP'D DATE

21-9791

N. S. (2NI)

16

10

16

10

10

N. S.

10

7/8

5/8

10

(2NI)

10 x 4

10 x 2

8

QTY

1.7M

7. 6M

1. DM

5

2

5

2

QTY

2

2

2

32

24

16

5

FABRICATION MATERIALS

COMPONENT DESCRIPTION

PIPE SMLS BE XS A106 GR. B, NACE

PIPE SMLS BE XS A106 GR. B, NACE

CAP BY XS A234 GR. WPB, NACE

WELDOLET XS A105, NACE

WELDDLET XS A105, NACE

ERECTION MATERIALS

COMPONENT DESCRIPTION

PIPE SMLS BE SCH 80 A106 GR. B, NACE

FLANGE 300LB WN RF XS A105, NACE

FLANGE 300LB WN RF SCH 80 A105, NACE

FLANGE 300LB WN RF SCH 80 A105, NACE

FLANGE 300LB WN RF SCH 8D A105, NACE

SPIRAL WOUND GASKET 300LB RF 4,5mm THK

SS316 WINDING/GRAPHITE FILLER W/3mm THK

SPIRAL WOUND GASKET 300LB RF 4.5mm THK

SPIRAL WOUND GASKET 300LB RF 4,5mm THK

SS316 WINDING/GRAPHITE FILLER W/3mm THK

SS316 WINDING/GRAPHITE FILLER W/3mm THK

CS CENTERING RING, ZINC COATED

CS CENTERING RING, ZINC CDATED

CS CENTERING RING, ZINC COATED

165 MM LG STUD BOLTS C/W NUTS A193

95 MM LG STUD BOLTS C/W NUTS A193

GR, B7/A194 GR, 2H HOT-DIP GALV. COATED 145 MM LG STUD BOLTS C/W NUTS A193

GR. B7/A194 GR. 2H HOT-DIP GALV, COATED

GR. B7/A194 GR. 2H HDT-DIP GALV. CDATED BALL VALVE 300LB RF, BV-24 (CSC)

90 DEG LR ELBOW SMLS BW XS A234 GR. WPB,

NΠ

8

10

NΠ

12

14

ΧO

O REV. NO

DIENT

PROJECT:

SUPPERTS

STD TTI CLAMP

AS BUILT

REVISED AS SHOWN

REVISED PER P&ID CHANGES

DESCRIPTION OF REVISION

APPROVED FOR CONSTRUCTION

DESIGN DATA

1. DESIGN PRESSURE : 43. 2. OPERATING TEMPERATURE : 106 3. HYDROSTATIC TEST PRESSURE : 65.7

4. CORROSION ALLOWANCE : 1/8 5. RADIOGRAPHY : 100

6. INSULATION 7. INSPECTION BY 8. PWHT

: GSI (QC) : NO

XXX SECTION

ENGINEERING DEPARTMENT

