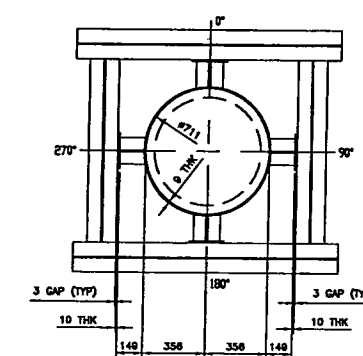
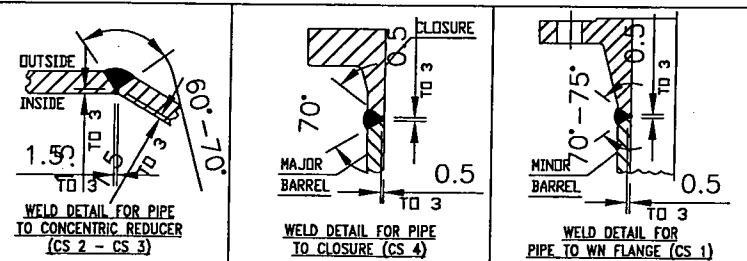
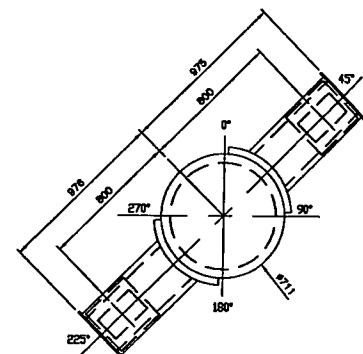


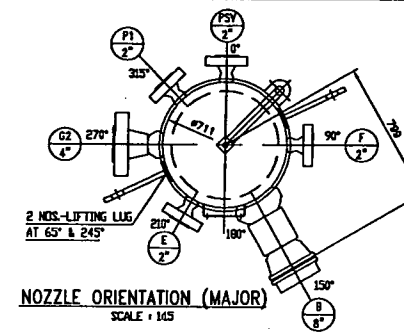
ELEVATION
SCALE: 1/20



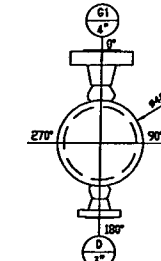
LOCATION OF GUIDE SUPPORT
SCALE: 1/15



LOCATION OF TRUNNION SUPPORT
SCALE: 1/15



NOZZLE ORIENTATION (MAJOR)
SCALE: 1/15



NOZZLE ORIENTATION (MINOR)
SCALE: 1/15

MARK	SIZE	THK./SCH.	NO. REQD.	FLG. RATING	SERVICE	PROJ. CL. VESSEL TO FACE	REMARKS
G2	100	SCH XXS	1	2500# RTJ	CHEMICAL	532	WELDOLET + FLANGE
G1	100	SCH XXS	1	2500# RTJ	CHEMICAL	531	WELDOLET + FLANGE
E	50	SCH XXS	1	2500# RTJ	VENT	511	FLANGEDLET
P1	50	SCH XXS	1	2500# RTJ	PRESSURE INDICATOR	511	FLANGEDLET
F	50	SCH XXS	1	2500# RTJ	WATER FLUSH	511	FLANGEDLET
PSV	50	SCH XXS	1	2500# RTJ	PSV	511	FLANGEDLET
D	80	SCH XXS	1	2500# RTJ	CLOSED DRAIN	502	WELDOLET + FLANGE
B	200	SCH 160	2	2500# RTJ	GAS INLET	800	WELDOLET + GRYLOC HUB
A	#488	361	1	2500# RTJ	OUTLET	-	COMPACT FLANGE

NOZZLE SCHEDULE

RADIOGRAPHIC EXAMINATION	FULL	EMPTY WEIGHT	6690 kg
CORROSION ALLOWANCE (INT./EXT.)	3.1 mm	OPERATING WEIGHT	6783 kg
ALLOWABLE STRESS	SHELL/TUBE 44825 kpag	F.W./H.T. WEIGHT	6783 kg
HEAD	N/A	FIRE PROOFING	NO
JOINT EFFICIENCY	SHELL 1.0	THERMAL INSULATION	NO
HEAD	1.0	PAINTING	GS 19-1-2
TEST PRESSURE	HYDROSTATIC 44100 kpag	MDMT	-29° C
PNEUMATIC	N/A	SURFACE AREA	12.47 m²
DESIGN	PRESSURE 29400 kpag	CAPACITY	2.09 m³
TEMPERATURE	100° C / -29° C	SPECIFIC GRAVITY	-
OPERATING	PRESSURE 3461 kpag	FLUID	HYDROCARBON
TEMPERATURE IN/OUT	39° C - 70° C	SURFACE PREPARATION	SA 2½
DESIGN CODE	ASME B31.8 2003	POSTWELD HEAT TREATMENT	YES
		INSPECTION	

DESIGN DATA

MATERIAL LIST

ITEM	DESCRIPTION	MATERIAL	QUANTITY	REMARK
1	END CLOSURE	A 694 GR F85	1	QUICK OPENING: 711 NB x 2500#
2	MAJOR BARREL	API 5L X 65	1	PIPE: 711 O.D x 50mm THK x 4600 LG.
3	MINOR BARREL	API 5L X 65	1	PIPE: 488 O.D x 36mm THK x 804 LG.
4	CONCENTRIC REDUCER	API 5L X 65	1	CONC. REDUCER: 711 O.D x 488 O.D (50mm x 36mm)

GENERAL NOTES:

- ALL FLANGE BOLT HOLES TO STRADDLE NORMAL CENTRELINES UNLESS OTHERWISE STATED.
- PRIOR TO DELIVERY, ALL FLANGED OPENINGS TO BE BLANKED OFF.
- PRIOR TO DELIVERY, ALL FLANGED OPENINGS TO BE PASSED THROUGH THE LAUNCHER TO CHECK I.D. OF MINOR BARREL.
- ALL FILLET WELDS TO BE CARRIED OUT WITH MAGNETIC PARTICLE OR DYE PENETRATION TEST.
- ALL FILLET WELDS TO APPROVED WPS.
- UPON COMPLETION OF PAINTING, ALL TELL-TALE HOLE TO BE GREASED AND PLUGGED PRIOR TO DELIVERY.
- ALL NOZZLES TO BE PERPENDICULAR TO THE CENTERLINES.
- END CLOSURE SHALL BE BANDLOCK TYPE 2.
- PAINTING SPECIFICATION AS PER GS-19-1-2.

COATING SYSTEM	OFT (MICRON)
1ST COAT	EPOXY ZINC PRIMER 75
2ND COAT	HIGH SOLIDS EPOXY MASTIC 150
3RD COAT	ACRYLIC ALIPHATIC POLYURETHANE 65-70
TOTAL	290-295

EXXONMOBIL EXPLORATION AND PRODUCTION MALAYSIA, INC.
(992953-X)

2V-172
VERTICAL LAUNCHER

TAPIS-F PLATFORM WEST MALAYSIA

SCALE: N.T.S. DATE: APRIL 08 DRN. BY: SIM CHKD. AS PROJ. ENGR. MKY

PROJECT No. DRAWING NUMBER REV.

TAF-03 65-20-001 0

0	APRIL 08	AS-BUILT (TAPIS-03)	SIM	YKM	YKM	MIN	AS	MKY	AMB/P398-102	NOZZLE & MISCELLANEOUS DETAILS DRAWING
No.	DATE	REVISIONS	BY	CHKD	DFTG	ENGR	PROJ	ENGR	DRAWING No	REFERENCE DRAWINGS