



ITEM NO.	NAME	NOTE	PART NO.	LENGTH
1	MECHANICAL LAYOUT			
1	RECIRC VALVE	REF P&ID	I-151	
2	COOLER	REF P&ID	CC-100	
2	RELIEF VALVE	REF P&ID	T&V-08	
1	CHECK VALVE	REF P&ID	ABQIS	
4	BALL VALVE, 1" NPT,	REF P&ID	51050	
2000#				
1	BALL VALVE, 1/2" NPT,	REF P&ID	51051	
2000#				
2	FLEX HOSE 1/2" S80	REF P&ID	MCK-1 1/4-9	
THD W/HEX NUTS SS 9"				
2	FLANGE 1" 150# THD RF		FLANGE 1"	
150#				
4	SWAGE CONC 1-1/4" X 1"		SWAGE	
TBE S80 A106B			1-1/4-X1"	
1	SWAGE CONC 1-1/2" X		SWAGE	
1-1/4" TBE S80 A106B			1.5X1.25	
1	SWAGE CONC 2" X 1"		SWAGE	
TBE S80 A106B			2X1S80	
1	ELBOW 1-1/2 2000# FS		ELBOW 1-1/2	
THD 90D A105N			20	
1	NIPPLE 1-1/2 X 2" S80		NPL-1-1/2X2S80	
TBE A106B				
1	TEE 1-1/4 2000# FS		TEE 1-1/4	
THD A105N			2000#	
3	ELBOW 1-1/4 2000# FS		ELBOW 1-1/4	
THD 90D A105N				
3	UNION 1-1/4 3000# FS		UNION 1-1/4	
THD A105N				
2	NIPPLE 1-1/4 X 2" S80		NIPPLE	
SMLS TBE			1-1/4X2	
1	NIPPLE 1-1/4 X 4" S80		NIPPLE	
TBE A106B			1-1/4X4	
1	PIPE 1-1/4 S80 SMLS		PIPE	
A106B			1-1/4-S80	
1	PIPE 1-1/4 S80 SMLS		PIPE	
A106B			1-1/4-S80	
3	CROSS 1" 2000# FS		CROSS 1"	
THD A105N				
7	TEE 1" 2000# FS THD		TEE	
THD A105N			1-2000#THRD	
5	ELBOW 1" 2000# FS		ELBOW 1"	
THD 90D A105N			2000	
7	UNION 1" 3000# FS THD		UNION THRD	
A105N				
15	NIPPLE 1" X 2" S80		NIPPLE 1X2	
SMLS TBE A106B				
2	NIPPLE 1" X 2-1/2 S80		NPL-1X2-1/2	
TBE A106B			S80	
1	NIPPLE 1" X 4" S80		NIPPLE 1X4	
SMLS TBE A106B				
3	NIPPLE 1" X 6" S80		NIPPLE 1X6	
SMLS TBE A106B				
30	PIPE 1" S80 A106B		PIPE 1S80	4.71/6"
PIPE 1" S80 A106B			PIPE 1S80	4.31/4"
32	PIPE 1" S80 A106B		PIPE 1S80	8.1/4"
PIPE 1" S80 A106B			PIPE 1S80	10.5/16"
33	PIPE 1" S80 A106B		PIPE 1S80	18"
PIPE 1" S80 A106B			PIPE 1S80	20"
35	PIPE 1" S80 A106B		PIPE 1S80	30.3/4"
PIPE 1" S80 A106B			PIPE 1S80	39.5/8"
37	PIPE 1" S80 A106B		PIPE 1S80	
ELBOW 1/2 3000# FS			ELBOW	
1	THD 90D A105N		1/2-3000#	
2	UNION 1/2 3000# FS		UNION	
THD A105N			1/2-3000#	
1	NIPPLE 1/2 X 1-1/2 S80		NPL-1/2X1-1/2	
SMLS TBE A106B				
2	NIPPLE 1/2 X 6" S80		NPL-1/2X6	
SMLS NIPPLE TBE			S80	
1	PIPE 1/2 S80 SMLS		PIPE 1/2 S80	23.7/8"
A106B				

REV	DESCRIPTION	DATE	APPROVED

DATE: 11/19/02

PROJECT: ORNG-240 SHP-XP CASING GAS UNIT

RELEASED FOR FABRICATION

DATE: 11/19/02