PIPE LINES

UNIT	11	
ERLDESIGNATION	P 11110-1	
CODE IDENTITY	8" P 11110-1-D-1	
DRAWING REFERENCE	6300 P 11110	
INSPECTION DESIGNATION	10	
ROUTE IDENTITY	B-1101 —C1101	

GENERAL INFORMATION

Item	Value	
Pipe class	D-1	
Nominal dia	4"-8"	
Sch Number	40,30	
Original thickness	6.02-7.04mm	
Corrosion Allowance	2.0 mm	
Design stressince at °c	145000	
Y-value	0.4	
Retiring thickness	2.24-2.5 mm	
Weight Empty	3936.93 lbs	
Weight water filled	7472.19 lbs	
Maximum linear exp.	114482	
Route elevation Max'm	0.89"	
Route elevation Min'm	1037SD	

SERVICE CONDITION

Item	Value
Operating Pressure	305 Bars
Operating temperature	127°C
Design pressure	4.2 BAR
Design temperature	150°C
Fluid	H.C. VAPOUR
Gravity/DENSITY	0.0071
	IP ....°C, Fp ....°C, EP ....°C

VALVES AND FITTINGS

ITEM	TYPE	SERIES	ASTM/API SPEC	REMARKS
Gatevalve	F.D	150#	A216 WCB	
Globevalve	x	"	"	
Check valve	x	x	"	
Plug valve	x	x	"	
Needle valve	x	x	"	
Flange	SO	150#	A105 gr-1	
Forged fittings	B.D	150#	A234 WPB	
Half coupling	S.D	3000#	A105 gr-2	
Unions	x	x	"	
Bolts	—	150#	A194 G12H	
Nuts	—	—	A193 gr B7	
GASKETS.	—	150#	IRON ASBESTOS	

TYPE CODE

Type	Code	Type	Code
Flanged	FD		
Screwedandweld	SE		
Long radius	LR		

Code		
...on	So	Flanged
...ding, neck	WN	
...weld	SO	

PIPE MANUFACTURING PROCEDURE

API 5L Gr A DH EF

WELDING SPECIFICATION

1. BUTT WELD
2. WELDING ROD E6018/E7018
3. ROOT GAP = 1/6"
4. BEVEL 60°

HEAT TREATMENT REQUIREMENTS

NOT REQD

TEST DATA

Item	Value
Hydraulic test pressure	4.57 BARS
Design test pressure	7.0 BARS
Pneumatic test pressure	3.81"

METHOD OF INSPECTION

Item	
Hammer test	
Ultrasonics	ULTRASONIC
Radiography	