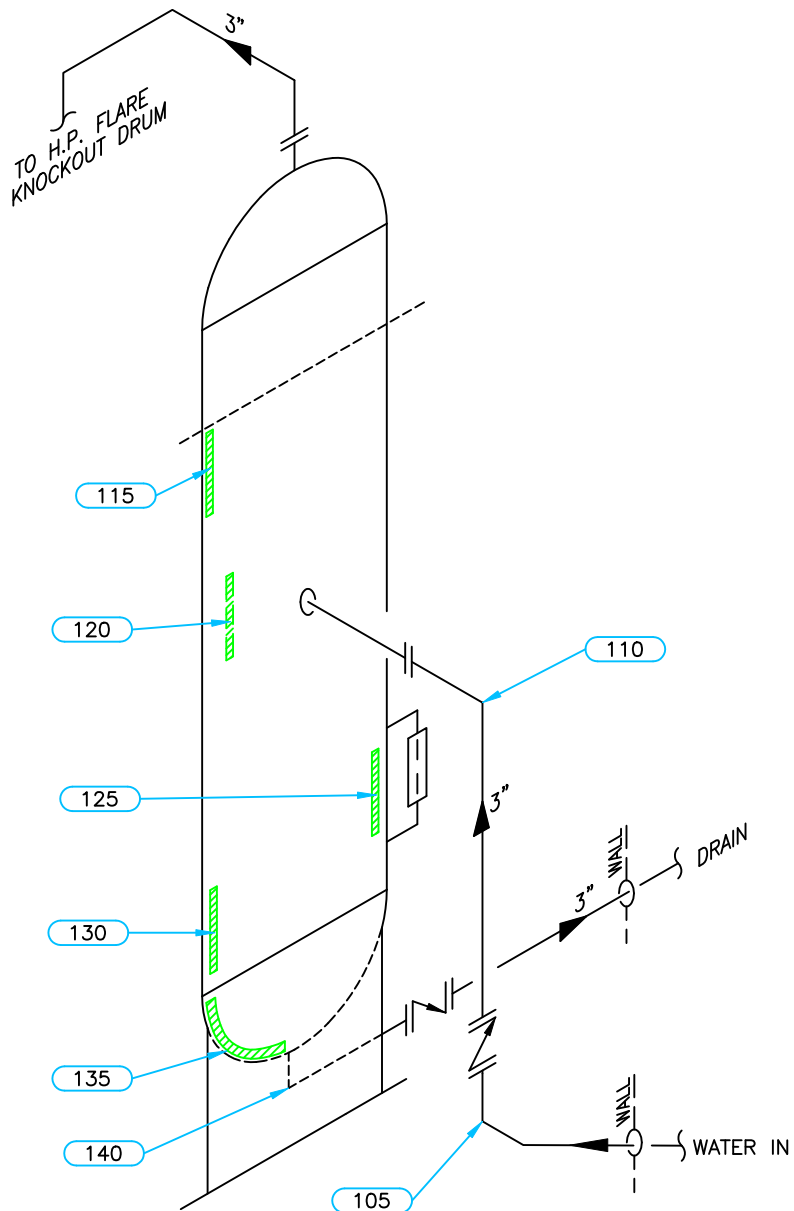




PSV DATA

MFG: FARRIS
 MODEL: 26JA10-120
 SERIAL: 4136579-3-A10
 SET PRES: 1931 kPa
 CAPACITY: 7245 scfm
 SERVICED BY: DALCO INSTRUMENT
 SERVICE DATE: 10/2001
 SIZE: 1in x 2in
 CODE STAMP: UV
 BLOCK VALVE: NO
 CRN: OG2369.5C
 LOCATION: TOP SHELL PIPING
 TAG: N/S

Equip. No. _____ Prov. Reg. No. **480967** C.R.N. **P-5098.2** Serial No. **21148** Yr. Inst. _____
 Code/Div. **ASME VIII, DIV 1** Size: **36in x 98in** Manufacturer: **PANAX OIL & GAS** Yr. Blt. **2002**
 C. Stamp: **NO** Service: **SWEET** PWHT: **HT** Radiography: **RT-1** Insulated: **NO**

Design & Materials Data

HEAD:
 Top Mat'l. **SA 516 70N** Top Nom. **14.3mm** Top C.A. **3.2mm**
 Btm. Mat'l. _____ Btm. Nom. _____ Btm. C.A. _____
CHANNEL:
 Material: _____ Nominal: _____ C.A. _____
BOOT
 Head Mat'l. _____ Head Nom. _____ Head C.A. _____
 Shell Mat'l. _____ Shell Nom. _____ Shell C.A. _____
SHELL
 Material: **SA 516 70N** Nominal: **12.7mm** C.A. **3.2mm**
 MAWP Shell Side: **1965 kPa** @ Temp. **38°C**
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	LADYFERN PRODUCED WATER LSD b-17-1/94-H-01		
ITEM	WATER FLASH TANK		
BY: LR	DATE: 01/2005	DWG.# 7-1	

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: WATER FLASH TANK
CRN#: P-5098.2
PROV REG: A 480967
TESTED ON STREAM

FACILITY: LADYFERN GAS PLANT
SERVICE: SWEET
LOCATION: b-17-I/94-H-01
RTD JOB #: 105.00390
REFER TO DRAWING: 7-1

Test Point	THICKNESS DATA										Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
115																		
Description:	UPPER SHELL																	
	2005	12	2010	6														
Min. Thick.	13		12.8			9.5		3.2	12.7	.04	.04		L					
Average:	13.2		12.9							.07	.07		L					
Analysis:																		
120																		
Description:	UPPER SHELL																	
	2005	12	2010	6														
Min. Thick.	13		12.5			9.5		3.2	12.7	.11	.11		L	2037				
Average:	13.1		12.7							.09	.09		L	2046				
Analysis:																		
125																		
Description:	LOWER SHELL																	
	2005	12	2010	6														
Min. Thick.	12.8		12.7			9.5		3.2	12.7	.02	.02		L					
Average:	13		12.8							.04	.04		L					
Analysis:																		
130																		
Description:	LOWER SHELL																	
	2005	12	2010	6														
Min. Thick.	13.1		12.8			9.5		3.2	12.7	.07	.07		L					
Average:	13.2		12.9							.07	.07		L					
Analysis:																		
135																		
Description:	BOTTOM HEAD																	
	2010	6																
Min. Thick.	13.4					11.1		3.2	14.3				L					
Average:	13.9									0	0		L					
Analysis:	2010/06 MIN SCAN @ NOZZLE.																	
140																		
Description:	2" 90° NOZZLE																	
	2010	6																
Min. Thick.	9.3					8.7			8.7				L					
Average:	9.8									0	0		L					
Analysis:	2005/12 CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.6mm BUT CODE IS MAINTAINED AT 1.6mm																	

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: WATER FLASH TANK PIPING
CRN#:
PROV REG:
TESTED ON STREAM

LOCATION: b-17-l/94-H-01
RTD JOB #:105.00390

Test Point	THICKNESS DATA				Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
105												
Description:	3" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	5.7		5.6		4.81		.7	5.5	.02	.02	L	2045
Average:	6		5.8						.04	.04	L	2032
Analysis:												
110												
Description:	3" 90° ELBOW											
	2005	12	2010	6								
Min. Thick.	5.2		4.9		4.81	1.6	.7	5.5	.07	.07	L	2011
Average:	5.5		5.5						0	0	L	
Analysis:	2010/06 MIN SCAN @ MID ELBOW MID APEX. CRITICAL THICKNESS CALCULATIONS CARRIED OUT TO 0.6mm BUT CODE MINIMUM IS MAINTAINED AT 1.6mm											