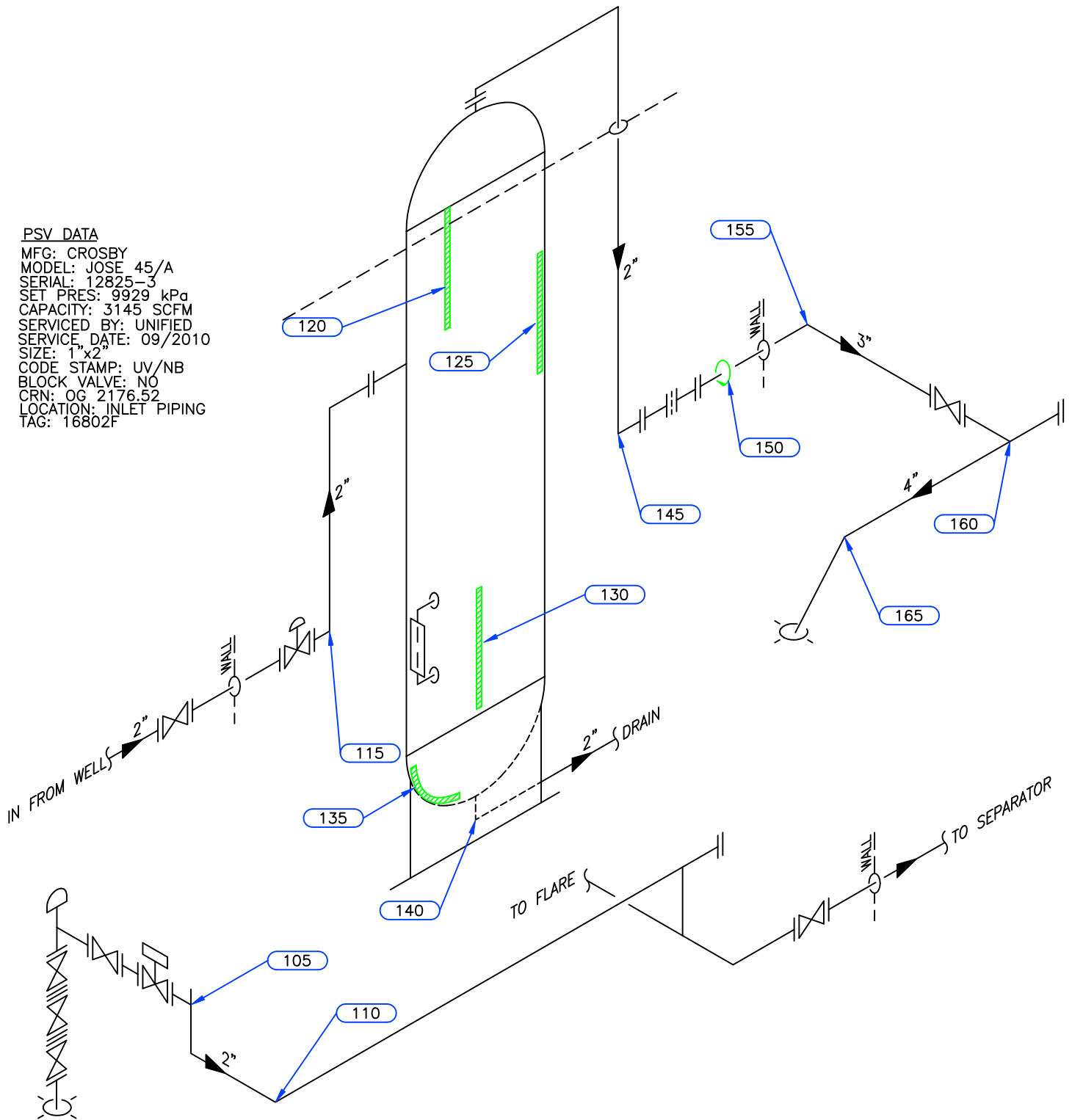


**PSV DATA**

MFG: CROSBY  
 MODEL: JOSE 45/A  
 SERIAL: 12825-3  
 SET PRES: 9929 kPa  
 CAPACITY: 3145 SCFM  
 SERVICED BY: UNIFIED  
 SERVICE DATE: 09/2010  
 SIZE: 1" x 2"  
 CODE STAMP: UV/NB  
 BLOCK VALVE: NO  
 CRN: OG 2176.52  
 LOCATION: INLET PIPING  
 TAG: 16802F



Equip. No. \_\_\_\_\_ Prov. Reg. No. **Ⓐ C 34779** C.R.N. **H-8355.1** Serial No. **1931-1** Yr. Inst. \_\_\_\_\_  
 Code/Div. **ASME VIII, DIV1** Size: **16in x 84in** Manufacturer: **MOSS FABRICATIONS LIMITED** Yr. Blt. **1996**  
 C. Stamp: **U** Service: **SOUR** PWHT: **HT** Radiography: **RT-1** Insulated: **NO/YES**

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. **SA 516 70** Top Nom. **25.4mm** Top C.A. **1.6mm**  
 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 106 B** Nominal: **25.4mm** C.A. **1.6mm**  
 MAWP Shell Side: **9929 kPa** @ Temp. **55°C**  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	CHOWADE GAS GATHERING LSD b-48-L/94-B-09		
ITEM	WELLHEAD/SEPARATOR/ RISER		
BY: KM	DATE: 01/2009	DWG.# 6	

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** WELL/SEPARATOR/RISER  
**CRN#:** H-8355.1  
**PROV REG:** C 34779  
**TESTED ON STREAM**

**FACILITY:** CHOWADE GAS GATHERING  
**SERVICE:** SOUR  
**LOCATION:** b-48-L/94-B-09  
**RTD JOB #:** 10.112837  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
120												
Description:	UPPER SHELL											
	2009	1	2013	3								
Min. Thick.	25.2		25.2		23.80		1.6	25.40	0		0	
Average:	25.7		25.7						0		0	
Analysis:	2009/1 MIN SCAN AT MID BAND											
125												
Description:	MID SHELL											
	2009	1	2013	3								
Min. Thick.	26		26		23.80		1.6	25.40	0		0	
Average:	26.3		26.3						0		0	
Analysis:												
130												
Description:	LOWER SHELL											
	2009	1	2013	3								
Min. Thick.	25.6		25.6		23.80		1.6	25.40	0		0	
Average:	26.2		26.2						0		0	
Analysis:	2009/1 MIN SCAN AT WELD											
135												
Description:	BOTTOM HEAD											
	2009	1	2013	3								
Min. Thick.	23.4		23.4		23.80	14.9	1.6	25.40	0		0	
Average:	25.5		25.5						0		0	2085
Analysis:	2009/1 MIN SCAN AT SKIRT											
140												
Description:	2" 90° NOZZLE											
	2009	1	2013	3								
Min. Thick.	8.5		8.5		7.10	2.1	1.6	8.70	0		0	
Average:	8.8		8.8						0		0	2098
Analysis:												

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** WELL/SEPARATOR/RISER PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** CHOWADE GAS GATHERING  
**SERVICE:** SOUR  
**LOCATION:** b-48-L/94-B-09  
**RTD JOB #:** 10.112837  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA				Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date	
105													
Description:	2" TEE												
	2009	1	2013	3									
Min. Thick.	8.4		8.4		7.61		1.1	8.70	0	0			
Average:	10		10									0	0
Analysis:	2009/1 MIN SCAN AT D.S.W												
110													
Description:	2" 90° ELBOW												
	2009	1	2013	3									
Min. Thick.	4.9		4.9		4.81		.7	5.50	0	0			
Average:	5		5									0	0
Analysis:													
115													
Description:	2" 90° ELBOW												
	2005	5	2009	1	2013	3							
Min. Thick.	5.2		5.2		5.2		4.81		.7	5.50	0	0	
Average:	5.3		5.3		5.3							0	0
Analysis:													
145													
Description:	2" 90° ELBOW												
	205	5	2009	1	2013	3							
Min. Thick.	5.4		5.3		5.3		4.81		.7	5.50	0	0	
Average:	5.5		5.5		5.5							0	0
Analysis:													
150													
Description:	2" CIRC BAND												
	2009	1	2013	3									
Min. Thick.	5.6		5.6		4.81		.7	5.50	0	0			
Average:	5.9		5.9									0	0
Analysis:													
155													
Description:	3" 90° ELBOW												
	2005	5	2009	1	2013	3							
Min. Thick.	5.8		5.5		5.5		4.81		.7	5.50	0	.04	
Average:	5.9		5.6		5.6							0	.04
Analysis:													

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** WELL/SEPARATOR/RISER PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** CHOWADE GAS GATHERING  
**SERVICE:** SOUR  
**LOCATION:** b-48-L/94-B-09  
**RTD JOB #:** 10.112837  
**REFER TO DRAWING:** 6

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
160	Description: 4" TEE													
	2009	1	2013	3										
Min. Thick.	9.2		9.2			7.53		1.1	8.60	0	0			
Average:	9.5		9.5							0	0			
Analysis:														
165	Description: 4" 45° ELBOW													
	2005	5	2009	1	2013	3								
Min. Thick.	6.2		5.8		5.8		4.81	.7	5.50	0		.05		
Average:	6.4		6		6					0		.05		
Analysis:														