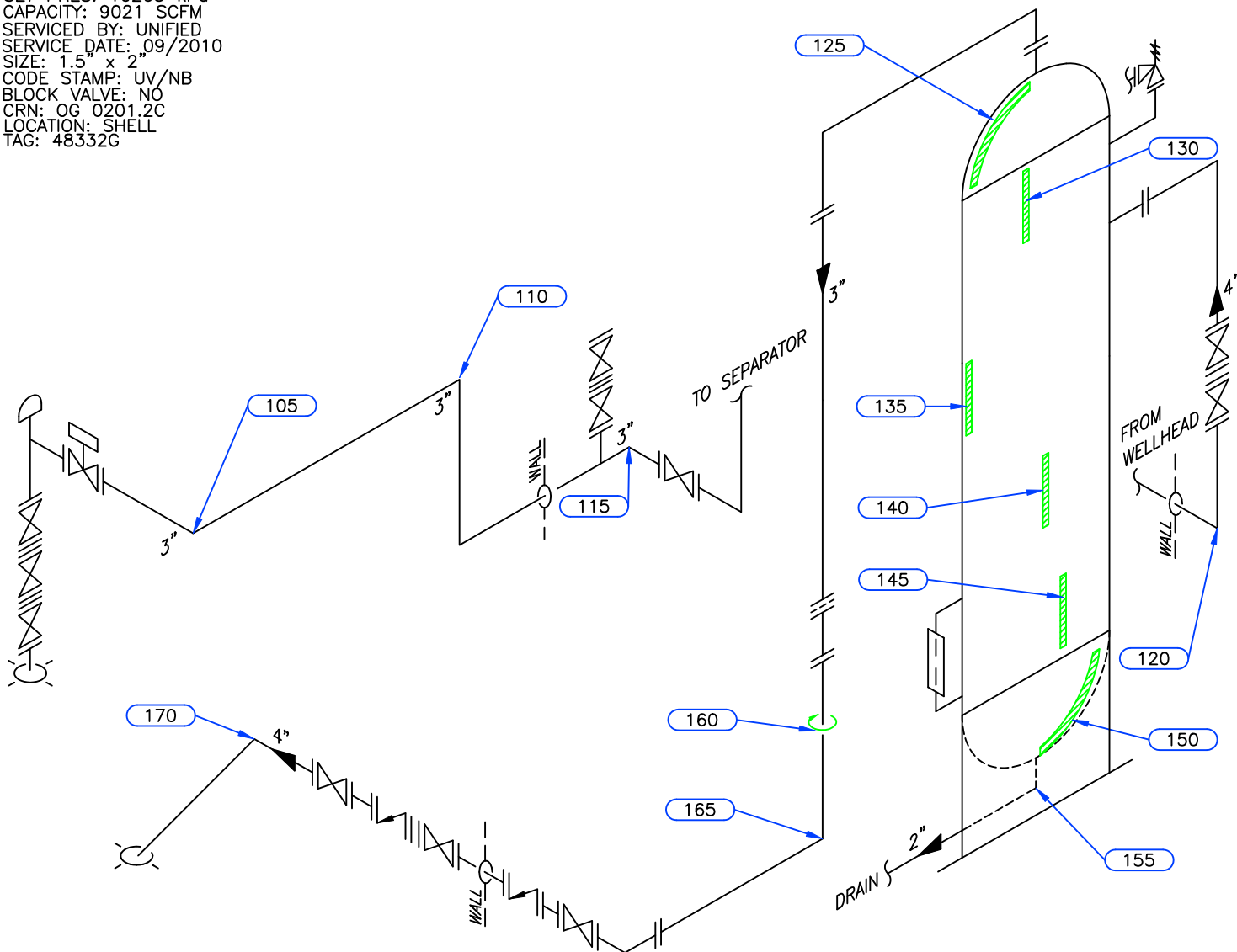


PSV DATA

MFG: CROSBY
 MODEL: JOSE 45/A
 SERIAL: SE17374-6
 SET PRES: 10205 kPa
 CAPACITY: 9021 SCFM
 SERVICED BY: UNIFIED
 SERVICE DATE: 09/2010
 SIZE: 1.5" x 2"
 CODE STAMP: UV/NB
 BLOCK VALVE: NO
 CRN: OG 0201.2C
 LOCATION: SHELL
 TAG: 48332G



Equip. No. _____ Prov. Reg. No. **443576** C.R.N. **M-7382.231** Serial No. **119-89-98** Yr. Inst. _____
 Code/Div. **ASME VIII, DIV1** Size: **24in x 10ft** Manufacturer: **MAR-QUINN INDUSTRIES LIMITED** Yr. Blt. **1998**
 C. Stamp: _____ Service: **SOUR** PWHT: **HT** Radiography: **RT-1** Insulated: **NO**

Design & Materials Data

HEAD:
 Top Mat'l. **SA 516 70** Top Nom. **27.3mm** 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 70** Nominal: **28.6mm** C.A. **3.2mm**

MAWP Shell Side: **10205 kPa** @ Temp. **38°C**
 MAWP Tube Side: _____ @ Temp. _____

CLIENT	CANADIAN NATURAL RESOURCES	
FACILITY	CHOWADE GAS GATHERING LSD b-49-L/94-B-09	
ITEM	WELLHEAD/ RISER/ SEPARATOR	
BY: KM	DATE: 01/2009	DWG.# 2

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: WELLHEAD/RISER/SEPARATOR
CRN#: M-7383.231
PROV REG: A 443576
TESTED ON STREAM

FACILITY: CHOWADE GAS GATHERING
SERVICE: SOUR
LOCATION: b-49-L/94-B-09
RTD JOB #: 10.112837
REFER TO DRAWING: 2

Test Point	THICKNESS DATA					Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
125													
Description:	TOP HEAD												
	2009	1	2013	3									
Min. Thick.	28.3		28.3		24.10		3.2	27.30	0	0			
Average:	29		29						0	0			
Analysis:	2009/1 MIN SCAN AT NOZZLE												
130													
Description:	UPPER SHELL												
	2009	1	2013	3									
Min. Thick.	29.3		29.3		25.40		3.2	28.60	0	0			
Average:	29.5		29.5						0	0			
Analysis:													
135													
Description:	MID SHELL												
	2009	1	2013	3									
Min. Thick.	29		29		25.40		3.2	28.60	0	0			
Average:	29.5		29.5						0	0			
Analysis:	2009/1 MIN SCAN AT TOP OF BAND												
140													
Description:	MID SHELL												
	2009	1	2013	3									
Min. Thick.	29.2		29.2		25.40		3.2	28.60	0	0			
Average:	29.3		29.3						0	0			
Analysis:													
145													
Description:	LOWER SHELL												
	2005	5	2009	1	2013	3							
Min. Thick.	28.7		28.5		28.5		25.40	24.9	3.2	28.60	0	.03	
Average:	29		29		29					0	0		2071
Analysis:													
150													
Description:	BOTTOM HEAD												
	2005	5	2009	1	2013	3							
Min. Thick.	31.1		29.1		29.1		24.10	23.9	3.2	27.30	0	.26	
Average:	31.2		29.2		29.2					0	.26		2033
Analysis:													

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: WELLHEAD/RISER/SEPARATOR
CRN#: M-7383.231
PROV REG: A 443576
TESTED ON STREAM

FACILITY: CHOWADE GAS GATHERING
SERVICE: SOUR
LOCATION: b-49-L/94-B-09
RTD JOB #: 10.112837
REFER TO DRAWING: 2

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
155														
Description: 2" 90° NOZZLE														
	2005	5	2009	1	2013	3								
Min. Thick.	9.7		8.8		8.8		5.50	2.2	3.2	8.70	0	.11		
Average:	9.8		8.9		8.9						0	.11	2066	
Analysis:														

UTS DATA

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

FACILITY: CHOWADE GAS GATHERING
SERVICE: SOUR
LOCATION: b-49-L/94-B-09
RTD JOB #: 10.112837
REFER TO DRAWING: 2

Test Point	THICKNESS DATA					Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date		
105															
Description:	3" 90° ELBOW														
	2009	1	2013	3											
Min. Thick.	8.6		8.6		6.65		1	7.60	0	0					
Average:	9		9						0	0					
Analysis:															
110															
Description:	3" 90° ELBOW														
	2009	1	2013	3											
Min. Thick.	10		10		9.71		1.4	11.10	0	0					
Average:	11		11						0	0					
Analysis:	2009/1 MIN SCAN AT U.S.W														
115															
Description:	3" 90° ELBOW														
	2013	3													
Min. Thick.	11.8				9.71		1.4	11.10							
Average:	12								0	0					
Analysis:															
120															
Description:	4" 90° ELBOW														
	2001	8	2002	5	2005	5	2009	1	2013	3					
Min. Thick.	13.1		13.1		13.1		13.1		13.1		11.81	1.4	13.50	0	0
Average:	13.3		13.3		13.3		13.3		13.3				0	0	
Analysis:															
160															
Description:	3" CIRC BAND														
	2009	1	2013	3											
Min. Thick.	7.8		7.8		6.65		1	7.60	0	0					
Average:	8		8						0	0					
Analysis:															
165															
Description:	3" 90° ELBOW														
	2005	5	2009	1	2013	3									
Min. Thick.	7.9		7.6		7.6		6.65		1	7.60	0	.04			
Average:	8		8		8					0	0				
Analysis:	2009/1 MIN SCAN AT MID ELBOW, MID APEX														

