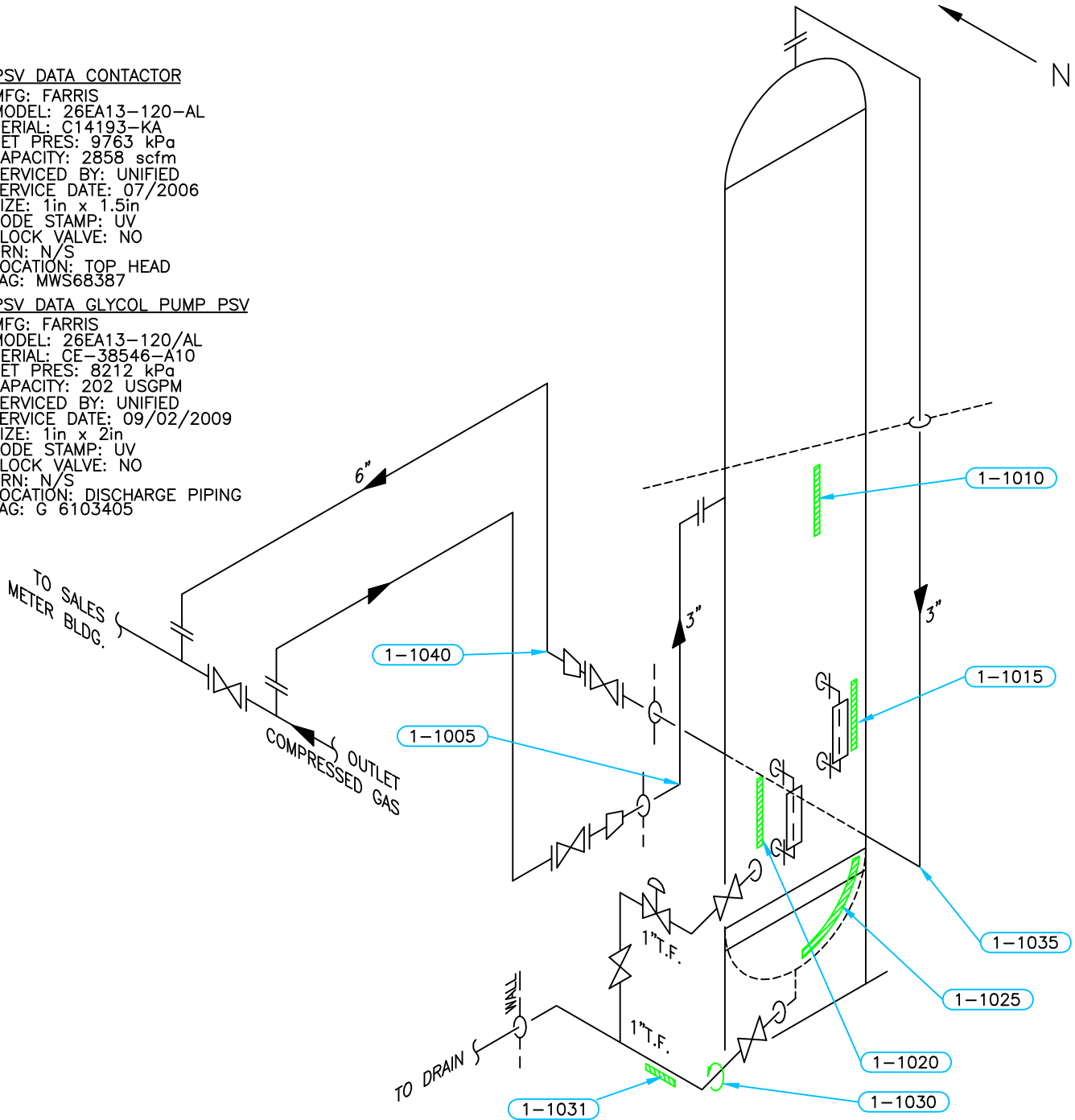


**PSV DATA CONTACTOR**

MFG: FARRIS  
 MODEL: 26EA13-120-AL  
 SERIAL: C14193-KA  
 SET PRES: 9763 kPa  
 CAPACITY: 2858 scfm  
 SERVICED BY: UNIFIED  
 SERVICE DATE: 07/2006  
 SIZE: 1in x 1.5in  
 CODE STAMP: UV  
 BLOCK VALVE: NO  
 CRN: N/S  
 LOCATION: TOP HEAD  
 TAG: MWS68387

**PSV DATA GLYCOL PUMP PSV**

MFG: FARRIS  
 MODEL: 26EA13-120/AL  
 SERIAL: CE-38546-A10  
 SET PRES: 8212 kPa  
 CAPACITY: 202 USGPM  
 SERVICED BY: UNIFIED  
 SERVICE DATE: 09/02/2009  
 SIZE: 1in x 2in  
 CODE STAMP: UV  
 BLOCK VALVE: NO  
 CRN: N/S  
 LOCATION: DISCHARGE PIPING  
 TAG: G 6103405



Equip. No. \_\_\_\_\_ Prov. Reg. No. **238179** C.R.N. **H-1668.2** Serial No. **1831-V100** Yr. Inst. \_\_\_\_\_  
 Code/Div. **ASME VIII, DIV 1** Size: **20in x 20ft** Manufacturer: **ABAX** Yr. Blt. **1987**  
 C. Stamp: **YES** Service: **SWEET** PWHT: **NO** Radiography: **RT-1** Insulated: **NO**

**Design & Materials Data**

**HEAD:**  
 Top Mat'l. **SA-516-70** Top Nom. **24.6mm** 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-516-70** Nominal: **22.2mm** C.A. **1.6mm**  
 MAWP Shell Side: **9756 kPa** @ Temp. **66°C**  
 MAWP Tube Side: \_\_\_\_\_ @ Temp. \_\_\_\_\_

CLIENT	CANADIAN NATURAL RESOURCES		
FACILITY	HAMBURG BATTERY GAS SYSTEMS LSD 15-21-96-10 W6M		
ITEM	GLYCOL CONTACTOR		
BY: EG	DATE: 03/01	DWG.#	1-10

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** GLYCOL CONTACTOR PIPING  
**CRN#:**  
**PROV REG:**  
**TESTED ON STREAM**

**FACILITY:** HAMBURG BATTERY - GAS SYSTEMS  
**SERVICE:** SWEET  
**LOCATION:** 15-21-96-10 W6M  
**RTD JOB #:** 10.113190  
**REFER TO DRAWING:** 1-10

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
<b>1-1005</b>														
Description: 3" 90° ELBOW ON INLET														
	2001	2	2006	5	2013	6								
Min. Thick.	5.1		5.1		5.1		4.81	.7	5.50	0	0			
Average:	5.3		5.3		5.3					0	0			
Analysis:														
<b>1-1030</b>														
Description: 1" CIRC ON DRAIN														
	2001	2	2006	5	2013	6								
Min. Thick.	6.5		6.5		6.5		5.60	.8	6.40	0	0			
Average:	6.8		6.8		6.8					0	0			
Analysis:														
<b>1-1031</b>														
Description: 1" TF BOTTOM BAND														
	2006	5	2013	6										
Min. Thick.	4.8		4.8				4.03	.6	4.60	0	0			
Average:	5		5							0	0			
Analysis:														
<b>1-1035</b>														
Description: 3" 90° ELBOW														
	2001	2	2006	5	2013	6								
Min. Thick.	7.3		7.3		7.3		6.65	1	7.60	0	0			
Average:	7.7		7.7		7.7					0	0			
Analysis: 2006/05 - MIN SCAN @ MID ELBOW, CENTER OF APEX														
<b>1-1040</b>														
Description: 6" 90° ELBOW														
	2001	2	2006	5	2013	6								
Min. Thick.	11.1		11.1		11.1		9.63	1.4	11.00	0	0			
Average:	11.6		11.6		11.6					0	0			
Analysis: 2006/05 - MIN SCAN 8cm FROM UP SIDE OF WELD														

# UTS DATA

**CLIENT:** CANADIAN NATURAL RESOURCES  
**EQUIPMENT:** GLYCOL CONTACTOR  
**CRN#:**  
**PROV REG:** A 238179  
**TESTED ON STREAM**

**FACILITY:** HAMBURG BATTERY - GAS SYSTEMS  
**SERVICE:** SWEET  
**LOCATION:** 15-21-96-10 W6M  
**RTD JOB #:** 10.113190  
**REFER TO DRAWING:** 1-10

Test Point	THICKNESS DATA						Flag	T-Min	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Retirement Date
1-1010														
Description:	MID SHELL													
	2001	2	2006	5	2013	6								
Min. Thick.	23		23		23		20.62	1.6	22.22	0	0			
Average:	23.2		23.2		23.2					0	0			
Analysis:														
1-1015														
Description:	LOWER SHELL													
	2001	2	2006	5	2013	6								
Min. Thick.	23		23		23		20.62	1.6	22.22	0	0			
Average:	23.2		23.2		23.2					0	0			
Analysis:														
1-1020														
Description:	LOWER SHELL													
	2001	2	2006	5	2013	6								
Min. Thick.	23		23		23		20.62	1.6	22.22	0	0			
Average:	23.2		23.2		23.2					0	0			
Analysis:														
1-1025														
Description:	BOTTOM HEAD													
	2001	2	2006	5	2013	6								
Min. Thick.	24.5		24.5		24.5		23.03	18.8	1.6	24.63	0	0		
Average:	24.8		24.8		24.8					0	0			3495
Analysis:														