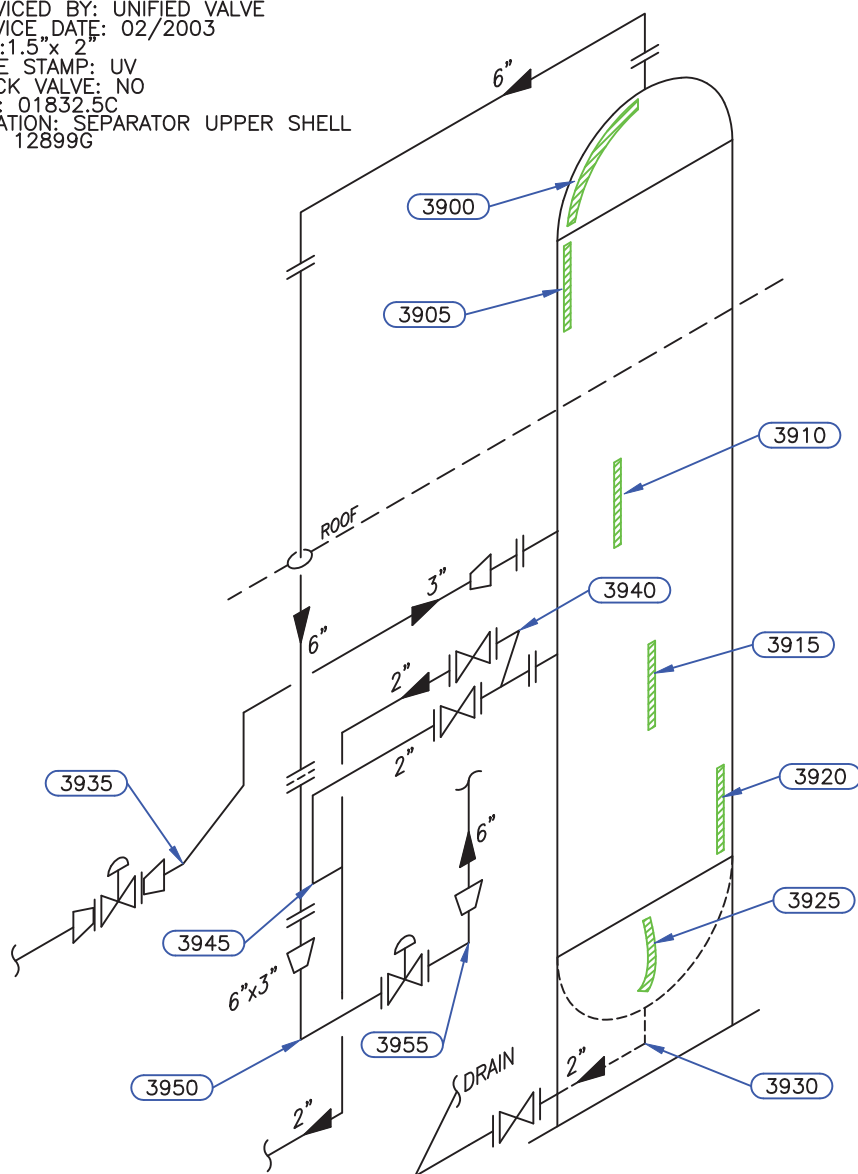


PSV DATA

MFG: CONSOLIDATED
 MODEL:
 SERIAL: 79C1688
 SET PRES: 9722 kPa
 CAPACITY: 8756 scfm
 SERVICED BY: UNIFIED VALVE
 SERVICE DATE: 02/2003
 SIZE: 1.5" x 2"
 CODE STAMP: UV
 BLOCK VALVE: NO
 CRN: 01832.5C
 LOCATION: SEPARATOR UPPER SHELL
 TAG: 12899G



Equip. No. _____ Prov. Reg. No. 3127320 C.R.N. M-8472.2 Serial No. 50606-200 Yr. Inst. _____
 Code/Div. ASME VIII, DIV1 Size: 36in x 120in Manufacturer: NUSCO MFG & SUPPLY LIMITED Yr. Blt. 1995/2003
 C. Stamp: U Service: SOUR PWHT: NIL Radiography: RT-1 Insulated: NO

Design & Materials Data

HEAD:

Top Mat'l. SA 516 70N Top Nom. 42.5mm 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 70N Nominal: 44.5mm C.A. 1.6mm

MAWP Shell Side: 9722 kPa @ Temp. 66°C

MAWP Tube Side: _____ @ Temp. _____

CLIENT

CANADIAN NATURAL RESOURCES LTD

FACILITY

GOLD CREEK

EAST FIELD

LSD 10-34-67-04 W6M

ITEM

TEST
SEPARATOR

BY: TR

DATE: 04/2009

DWG.# 39

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: TEST SEPARATOR
CRN#: M-8472.2
PROV REG: A 3127320
TESTED ON STREAM

TESTED ON STREAM

Test Point	THICKNESS DATA							Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
3900															
Description:	TOP HEAD														
	2001	8	2004	3	2009	3									
Min. Thick.	43.7		43.6		43.1		40.9		1.6	42.5	.1	.08		S	2031
Average:	44.8		44.6		44.1						.1	.09		S	2041
Analysis:	2009/03 MIN SCAN AT KNUCKLE														
3905															
Description:	UPPER SHELL														
	2001	8	2004	3	2009	3									
Min. Thick.	45.5		45.2		45.2		42.9		1.6	44.5	0	.04		L	
Average:	45.5		45.3		45.3						0	.03		L	
Analysis:															
3910															
Description:	MID SHELL														
	2001	8	2004	3	2009	3									
Min. Thick.	45.6		45.3		45		42.9		1.6	44.5	.06	.08		L	2035
Average:	45.7		45.5		45.2						.06	.07		L	2044
Analysis:															
3915															
Description:	MID SHELL														
	2001	8	2004	3	2009	3									
Min. Thick.	45.7		45.6		45.1		42.9		1.6	44.5	.1	.08		S	2031
Average:	45.9		45.7		45.3						.08	.08		S	2039
Analysis:															
3920															
Description:	LOWER SHELL														
	2001	8	2004	3	2009	3									
Min. Thick.	45.1		45.4		45.3		42.9		1.6	44.5	.02	0		S	
Average:	45.9		45.7		45.6						.02	.04		L	
Analysis:															
3925															
Description:	BOTTOM HEAD														
	2001	8	2004	3	2009	3	2009	5							
Min. Thick.	42.8		42.8		42.6		42.6		40.9	1.6	42.5	0	.03	L	
Average:	43.9		43.8		42.9		42.9					0	.13	L	2024
Analysis:															

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: TEST SEPARATOR
CRN#: M-8472.2
PROV REG: A 3127320
TESTED ON STREAM

FACILITY: GOLD CREEK EAST FIELD
SERVICE: SOUR
LOCATION: 10-34-67-04 W6M
RTD JOB #: 05.003134
REFER TO DRAWING: 39

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
3930																
Description:	2" 90° NOZZLE															
	2001	8	2004	3	2009	3	2009	5								
Min. Thick.	7.4		7.4		4.3		4.3		3.9	2.1	1.6	5.5	0	.4	L	2010
Average:	7.8		7.8		6		6						0	.23	L	2018
Analysis:	2009/03 MIN SCAN AT MID ELBOW MID APEX. PITTING.															
3937																
Description:	3" 90° ELBOW															
	2009	5														
Min. Thick.	5.5								4.8		.7	5.5			L	
Average:	5.7												0	0	L	
Analysis:																

UTS DATA

CLIENT: CANADIAN NATURAL RESOURCES
EQUIPMENT: TEST SEPARATOR PIPING
CRN#:
PROV REG:
TESTED ON STREAM

FACILITY: GOLD CREEK EAST FIELD
SERVICE: SOUR
LOCATION: 10-34-67-04 W6M
RTD JOB #: 05.003134
REFER TO DRAWING: 39

Test Point	THICKNESS DATA								Flag	Crit	C.A.	Nom.	Short Term	Long Term	Ave. mm/py	Flag Date
3935																
Description:	3" 45° ELBOW															
	2001	8	2004	3	2009	3	2009	5								
Min. Thick.	6.6		6.3		5.7		5.7		6.65	3	1	7.6	0	.12	L	2009
Average:	6.8		6.6		6		6						0	.1	L	2009
Analysis:																
3940																
Description:	2" 45° ELBOW															
	2001	8	2004	3	2009	3										
Min. Thick.	5.1		5.1		5				4.81		.7	5.5	.02	.01	S	2018
Average:	5.4		5.3		5.3								0	.01	L	2046
Analysis:																
3945																
Description:	2" 90° ELBOW															
	2001	8	2004	3	2009	3										
Min. Thick.	5.8		5.8		5.7				4.81		.7	5.5	.02	.01	S	
Average:	6.2		6.1		6								.02	.03	L	
Analysis:																
3950																
Description:	3" 90° ELBOW															
	2004	3	2009	3												
Min. Thick.	7.6		7.6						6.65		1	7.6	0	0	L	
Average:	7.8		7.8										0	0	L	
Analysis:																
3955																
Description:	3" 90° ELBOW															
	2001	8	2004	3	2009	3										
Min. Thick.	5.1		5.1		5.4				4.81		.7	5.5	0	0	L	
Average:	5.4		5.4		5.6								0	0	L	
Analysis:																