FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by: Mason Mfg., Inc., 1645 N. Railroad Avenue, Decatur, IL 62526 (Name and Address of Manufacturer)

2. Manufactured for: The Gillette Company P.O. BOX 5584 Cincinnati Oh. 45201 (Name and Address of Purchaser)

3. Location of installation: Gillette Company 30 Burtt Rd. Andover Ma. 01810 (Name and Address)

4. Type: Horizontal (Horizontal, Vertical, or Spherical) | Tank (Tank, Separator, Jacketed Vessel, Heat Exchanger, etc.) | 09-5456 (Manufacturer's Serial Number)

- (Canadian Registration Number) | 09-5456 Rev. 8 (Drawing Number & Revision) | 1727 (National Board Number) | 2009 (Year Built)

5. ASME Code, Section VIII, Div. 1: 2007 Edition, '08 Add. (Edition and Addenda) | - (Code Case Number) | - (Special Service per UG-120(d))

Items 6-11 incl. to be completed for single wall vessels, ~~jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.~~

6. Shell: (a) Number of Courses: 4 (b) Overall Length (ft. & in.): 40' - 0'

Course(s)			Material Specification	Thickness		Longitudinal Joint (Category A)			Circumferential Joint (Category A, B & C)			Heat Treatment	
No.	Diameter (in.)	Length (ft. & in.)	Number & Grade or Type	Nominal	Corr. Allow.	Type	Full, Spot, None	Joint Eff.	Type	Full, Spot, None	Joint Eff.	Temp.	Time
3	132" ID	10' - 0"	SA-516-70	1.00	.000	1	100%	100%	1	Spot	85%	-	-
1	132" ID	9' - 8"	SA-516-70	1.00	.000	1	100%	100%	1	Spot	85%	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	-

7. Heads: (a) SA-516-70 (Material Spec. Number & Grade or Type) (Heat Treatment - Time & Temp.) (b) SA-516-70 (Material Spec. Number & Grade or Type) (Heat Treatment - Time & Temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Minimum	Cor. Allow.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Joint Eff.
(a)	End A	1	.000	-	-	2:1	-	-	132"	-	x	1	spot	100%
(b)	End B	1	.000	-	-	2:1	-	-	132"	-	x	1	spot	100%

If removable, bolts used (describe other fastening): - (Material Specification Number & Grade, Size, Quantity)

8. Type of jacket - Jacket Closure - (Describe as ogee & weld, bar, etc.)

If bar, give dimensions - If bolted, describe or sketch -

9. MAWP 250 (Internal) - (External) psi at Maximum Temp. 650 (Internal) - (External) °F. Minimum Design Metal Temp. -20 °F at 250 psi.

10. Impact Test No, exempt per UCS-66(c) & UG-20(f). (Indicate *yes* or *no* and the component(s) impact tested)

11. Hydrostatic Pressure Test 325 psig Horizontal Proof Test -

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: - (Stationary - Material Spec. Number) | - (Diameter Subject to Pressure [in.]) | - (Nom. Thk. [in.]) | - (Corr. Allow. [in.]) | - (Attachment [welded or bolted])

- (Floating - Material Spec. Number) | - (Diameter [inches]) | - (Nom. Thk. [in.]) | - (Corr. Allow. [in.]) | - (Attachment)

13. Tubes: - (Material Spec. Number & Grade or Type) | - (Outside Diameter [inches]) | - (Nom. Thk. [inches or gauge]) | - (Quantity) | - (Type [Straight or U])

Items 14-18 incl. To be completed for ~~inner chambers of jacketed vessels or~~ channels of heat exchangers.

14. Shell: (a) Number of Courses: (b) Overall Length (ft. & in.):

Course(s)			Material Specification	Thickness		Longitudinal Joint (Category A)			Circumferential Joint (Category A, B & C)			Heat Treatment	
No.	Diameter (in.)	Length (ft. & in.)	Number & Grade or Type	Nominal	Cor. Allow.	Type	Full, Spot, None	Joint Eff.	Type	Full, Spot, None	Joint Eff.	Temp.	Time
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-

15. Heads: (a) - (Material Spec. Number & Grade or Type) (Heat Treatment - Time & Temp.) (b) - (Material Spec. Number & Grade or Type) (Heat Treatment - Time & Temp.)

	Location (Top, Bottom, Ends)	Thickness		Radius		Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure		Category A		
		Minimum	Cor. Allow.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Joint Eff.
(a)	-	-	-	-	-	-	-	-	-	-	-	-	-	-
(b)	-	-	-	-	-	-	-	-	-	-	-	-	-	-

If removable, bolts used (other fastening): - (Material Specification Number & Grade, Size, Quantity)

FORM U-1 (Back)

16. MAWP - (Internal) - (External) psi at Maximum Temp. - (Internal) - (External) °F. Min. Design Metal Temp. - °F at - psi

17. Impact test -
(Indicate Yes or No and the Component(s) Impact Tested)

18. Hydrostatic pressure test - Proof test -

19. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement	How Attached		Location
				Nozzle	Flange	Nominal	Cor. Allow.	Material	Nozzle	Flange	(Inspection Opening)
MANWAY	1	24	RFSO	SA-106	SA-105 300#	.500	.000	SA-516-70	WELDED	WELDED	-
RELIEF	1	6	RFSO	SA-106	SA-105 300#	.500	.000	SA-516-70	WELDED	WELDED	-
SAFETY	2	3	RFSO	SA-106	SA-105 300#	.337	.000	-	WELDED	WELDED	-
Extra	1	1	RFSO	SA-106	SA-105 300#	.179	.000	-	WELDED	WELDED	-
THERMOWELL	1	1	f.cplg	-	SA-105	6000#	.000	-	-	WELDED	-
Pad flange	2	3	pad flg	-	SA-516-70	2.00	.000	-	-	WELDED	-
Pad flange	3	2	pad flg	-	SA-516-70	1.75	.000	-	-	WELDED	-

20. Supports: Skirt - (Yes or No) Lugs - (Quantity) Legs - (Quantity) Others SADDLES (Describe) Attached Welded to Shell (Where and How)

21. Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

(2) Tank heads; Line item 7; Fort Worth F & D Head Co.; Ser. # 99387-1 & 99387-2

-
(List the name of part, item number, mfg's. name and identifying number)

22. Remarks: Safety devices designed and installed by others. Not for lethal service. Inspection openings exempt per UG-46(a).

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

U Certificate of Authorization Number 25,713 Expires January 10, 2011

Date 11/18/09 Name Mason Mfg., Inc. (Manufacturer) Signed (Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and / or the State or Province of ILLINOIS and employed by Arise, Inc. of Brecksville, Ohio have inspected the pressure vessel described in this Manufacturer's Data Report on 11-18-09, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with the ASME Code, Section VIII, Division 1. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11-18-09 Signed Allen E Walker (Authorized Inspector) Commissions NB10757A / IL 1492 (Nat'l Board [incl. endorsements] State, Prov. And Number)

CERTIFICATE OF FIELD ASSEMBLY COMPLIANCE

We certify that the statements made in this report are correct and that the field assembly construction of all parts of this vessel conform to the requirements of the ASME Code, Section VIII, Division 1.

U Certificate of Authorization Number Expires

Date Name (Assembler) Signed (Representative)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and / or the State or Province of and employed by of have compared the statements in this Manufacturer's Data Report with the described pressure vessel and state that parts referred to as data items , not included in the certificate of shop inspection, have been inspected by me and to the best of my knowledge and belief, the Manufacturer has constructed and assembled this pressure vessel in accordance with the ASME Code, Section VIII, Division 1. The described vessel was inspected and subjected to a hydrostatic pressure test of psi. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Signed (Authorized Inspector) Commissions (Nat'l Board [incl. endorsements] State, Prov. And Number)

2/2
#1727

FORM U-2A MANUFACTURER'S PARTIAL DATA REPORT (ALTERNATIVE FORM)

A Part of a Pressure Vessel Fabricated by One Manufacturer for Another Manufacturer
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

MASON Mfg., Inc. — MTR
PO# 906598
MM# m907286
Job# 5456
Date 7-28-09
Name SW

1. Manufactured and certified by FORT WORTH F & D HEAD CO. 3040 E. PEDEN RD FORT WORTH, TX 76179 (Name and address of manufacturer)
2. Manufactured for MASON MFG P.O. BOX 3577 DECATUR, IL 62524 (Name and address of purchaser)
3. Location of installation UNKNOWN (Name and address)
4. Type (2) 132" O.D. X 1.125 ELLIPSOIDAL HEADS (Description of vessel parts (Shell, two-piece head, tube bundle)) | 99387-1 & 2 (Mfg's Serial No.) | XXX (CRN)

XXX (Nat'l Bd. No.)	99387 (Drawing No.)	N/A (Drawing prepared by)	2009 (Year built)

5. ASME Code Section VIII, Div. 1 2007 EDITION / 2008 ADDENDA (Edition and Addenda (date)) | N/A (Code Case No.) | N/A (Special service per UG-120 (d))

6. Shell a) No. of courses: _____ b) Overall length (ft & in.) _____

Course(s)			Material	Thickness in.		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B & C)			Heat Treatment	
No	Diameter in.	Length ft & in	Spec./Grade or Type	Nom	Corr	Type	Full, Spot, None	Eff	Type	Full, Spot, None	Eff	Temp	Time
1								--			-	-	-
1								-		-	-	-	-

7. Heads: (a) SA516-70 (NO H.T.) (Mat'l Spec. No., Grade or Type) H.T. – Time & Temp (b) _____ (Mat'l Spec. No., Grade or Type) H.T. – Time & Temp

	Location (Top, Bottom, Ends)	Thickness in. MIN.	Thickness in. Corr.	Radius Crown	Radius Knuckle	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure Convex	Side to Pressure Concave	Category A Type	Category A Full, Spot, None	Category A Eff.
(a)	XXX	.885	-	117.00	22.45	2:1		-	-	-	-	1	FULL	-
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

If removable, bolts used (describe other fastening) XXX (Mat'l Spec. No., Grade, Size, No.)

8. MAWP N/A (internal) N/A (external) psi at max. temp. N/A (internal) N/A (external) °F. Min. design metal temp. N/A °F at N/A psi.

9. Impact test NO (Indicate yes or no) and the component(s) impact tested) at test temperature of N/A °F

10. Hydro., pneu., or comb. test pressure N/A Proof test N/A

11. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material Nozzle	Material Nozzle	Nozzle Thickness in. Nom.	Nozzle Thickness in. Corr.	Reinforcement Material	How Attached Nozzle	How Attached Nozzle	Location (Insp. Open.)
NONE	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-

12. Identification of part(s)

Name of Part	Quantity	Line No.	Mfr's. Identification No.	Mfr's. Drawing No.	CRN	National Board No.	Year Built
XXX	X	XXX	XXX	XXX	XXX	XXX	XXX
-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-

13. Supports: Skirt XXX (Yes or no) Lugs XXX (No.) Legs XXX No.) Others N/A (Describe) Attached XXX (Where and how)

14. Remarks NO PRESSURE TEST PERFORMED
NO DESIGN FUNCTION PERFORMED WPS QUALIFIED WITH AND WITHOUT PWHT

CERTIFICATE OF SHOP/ FIELD COMPLIANCE

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this pressure vessel part conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

"U" Certificate of Authorization No. 10625 expires 9/07/2011

Date 7/15/09 Name FORT WORTH F & D HEAD CO. (Manufacturer) Signed _____ (Representative)

CERTIFICATE OF SHOP/ FIELD INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of TEXAS and employed by OneBeacon America Insurance Co of Lynn, MA have inspected the pressure vessel part described in this Manufacturer's Data Report on 7-23-09, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel part in accordance with ASME Code, Section VIII, Division 1. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel part described in this Manufacturer's Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 7-23-09 Signed _____ (Authorized Inspector) Commissions TEXAS 897 (Nat'l Board incl. endorsement, State, Province and No.)