

**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**

Manufactured and certified by Jake Harris & Sons, Inc. 632 South 16th La Porte, TX 77571  
(Name and address of Manufacturer)

2. Manufactured for Rohm & Haas Company Bayport Plant 13300 Bay Area Blvd. La Porte, Texas 77571  
(Name and address of Purchaser)

3. Location of installation Rohm & Haas Company Bayport Plant 13300 Bay Area Blvd. La Porte, Texas 77571  
(Name and address)

4. Type: Flanged column section CJ-531 A None  
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)  
265 CJ-531 Jake Harris & Sons, Inc. 1999  
(Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 1998 None None  
Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

6. Shell (a) No. of course(s): One (1) (b) Overall length (ft & in.): 1'-6"

No.	Course(s)		Material Spec./Grade or Type	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
	Diameter, in.	Length, (ft. & in.)		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	1'-7 5/8"	1'-6"	SB575 N10276	3/16"	1/16"	1*	None	70%	1*	None	70%	None	N/A

7. Heads: (a) -----\* (b) -----\*  
(Mat'l Spec. No., Grade or Type) H.T.-Time & Temp. (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp.

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

" removable, bolts used (describe other fastening) \_\_\_\_\_  
(Mat'l Spec. No., Grade, Size, No.)  
 MAWP 30 --- psi at max. temp. 400 --- °F Min. design metal temp. 15 °F at 30 psi  
(internal) (external) (internal) (external) None

9. Impact test \_\_\_\_\_  
(Indicate yes or no and the component(s) impact tested) None

10. Hydro., pneu., or comb. test press. Hydrotest @ 47 Proof test \_\_\_\_\_  
None

11. Nozzles, inspection, and safety valve openings:

Purpose (inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
D.P.	1	2"	CL150LAPJNT	SB622 N10276	SA105	S/80	1/16"	Inherent	Welded	Loose lap jt.	Shell

12. Supports: Skirt No Lugs No Legs None Others None Attached N/A  
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: \*This part is a rolled & welded shell with SB575 lap rings welded to the shell with full penetration welds, and welded at the lap ring OD to 12"-150# SA105 ANSI slip on body flanges on each end. Welds were LP tested in accordance with UNF-58.

**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. 16,260 Expires 12/15 2001

Date 3/31/1999 Name Jake Harris & Sons, Inc. Signed J. S. Harris  
(Manufacturer) (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 IB&M RE of Arlington, Texas have inspected the pressure vessel part described in this Manufacturer's Data Report on March 31, 1999, 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 3-31-99 Signed [Signature] Commissions NB 10780 BA TX 1381  
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)

Platcom 10-98E98

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(Name and address of Purchaser)

3. Location of installation Rohm & Haas Company Bayport Plant 13300 Bay Area Blvd. La Porte, Texas 77571  
(Name and address)

4. Type: Flanged column section CJ-531 B None  
(Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)  
266 CJ-531 Jake Harris & Sons, Inc. 1999  
(Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 1998 None None  
Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

6. Shell (a) No. of course(s): One (1)\* (b) Overall length (ft & in.): 10'-0"

No.	Course(s)		Material Spec./Grade or Type	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment				
	Diameter, in.	Length, (ft. & in.)		Nom.	Corr.	Type	Full	Spot	None	Eff.	Type	Full	Spot	None	Eff.	Temp.
1	1'-7 5/8"	10'-0"	SB575 N10276	3/16"	1/16"	1*	Full		100%	1*	None			70%	None	N/A

7. Heads: (a) -----\* (b) -----\*  
(Mat'l Spec. No., Grade or Type) H.T.-Time & Temp. (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp.

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

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

MAWP 30 --- psi at max. temp. 400 --- °F Min. design metal temp. 15 °F at 30 psi  
(internal) (external) (internal) (external)

9. Impact test None

(Indicate yes or no and the component(s) impact tested)

10. Hydro., pneu., or comb. test press. Hydrotest @ 47 Proof test None

11. Nozzles, inspection, and safety valve openings:

Purpose (inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material		Nozzle Thickness		Reinforcement Material	How Attached		Location (Insp. Open)
				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
Packing	2	6"	CL150LAPJNT	SB575 N10276	SA105	3/16"	1/16"	Inherent	Welded	Loose lap jt	Shell

12. Supports: Skirt No Lugs 2 Legs None Others None Attached Wld. to pads wld to shell  
(Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: \*This part is a rolled & welded shell (see Partial Data Report) with SB575 lap rings welded to the shell with full penetration welds, & welded at the lap ring OD to 12"-150# SA105 ANSI slip on body flanges on each end. Welds were LP tested in accordance with UNF-58.

**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. 16,260 Expires 12/15 2001

Date 3/31/1999 Name Jake Harris & Sons, Inc. Signed J.H. Harris  
(Manufacturer) (Representative)

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Date 3-31-99 Signed [Signature] Commissions NB 10780 BA TX 1381  
(Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)

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 (Description of vessel part (shell, two-piece head, tube bundle)) (Mfg's serial No.) (CRN)  
267 CJ-531 Jake Harris & Sons, Inc. 1999  
 (Nat'l. Bd. No.) (Drawing No.) (Drawing prepared by) (Year built)

5. ASME Code, Section VIII, Div. 1 1998 None None  
 Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

6. Shell (a) No. of course(s): One (1) (b) Overall length (ft & in.): 1'-6"

No.	Course(s)		Material Spec./Grade or Type	Thickness		Long. Joint (Cat. A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
	Diameter, in.	Length, (ft. & in.)		Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
1	1'-7 5/8"	1'-6"	SB575 N10276	3/16"	1/16"	1*	None	70%	1*	None	70%	None	N/A

7. Heads: (a) -----\* (b) -----\*  
 (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp. (Mat'l Spec. No., Grade or Type) H.T.-Time & Temp.

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	Min.	Corr.	Crown	Knuckle					Convex	Concave	Type	Full, Spot, None	Eff.
(a)													
(b)													

If removable, bolts used (describe other fastening) \_\_\_\_\_  
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				Nozzle	Flange	Nom.	Corr.		Nozzle	Flange	
D.P.	1	2"	CL150LAPJNT	SB622 N10276	SA105	S/80	1/16"	Inherent	Welded	Loose lap jt.	Shell
Inlet	1	3"	CL150LAPJNT	SB619 N10276	SA105	S/40	1/16"	Inherent	Welded	Loose lap jt.	Shell

12. Supports: Skirt No Lugs No Legs None Others None Attached N/A  
 (Yes or no) (No.) (No.) (Describe) (Where and how)

13. Remarks: \*This part is a rolled & welded shell with SB575 lap rings welded to the shell with full penetration welds, and welded at the lap ring OD to 12"-150# SA105 ANSI slip on body flanges on each end. Welds were LP tested in accordance with UNF-58.

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 (Authorized Inspector) (Nat'l Board incl. endorsement, State, Province and No.)  
 Placom 10-98E98