

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessels Only)
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Item #410-01-40660

1/2

1. Manufactured and certified by JAKE HARRIS & SONS, INC., 632 SOUTH 16TH STREET, LAPORTE, TEXAS 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 Bayport Plant, 13300 Bay Area Blvd., La Porte, Texas 77571
 (Name and address)

4. Type: Vertical CJ-568 None CJ-568 296 2000
 (Horiz. or vert. tank) (Mfr's serial No.) (CRN) (Drawing no.) (Nat'l Bd. No.) (Year built)

5. The chemical and physical properties of all parts meet the requirements of material specifications of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1998
 Year

to 1999 None None
 Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516 Gr 70 1/2" 1/8" 10'-5" 9'-9"
 Matl. (Spec No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Wld. Type 1 Spot 85 None N/A Wld. Type 1 Spot One (1)
 Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp (F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) Matl. SA-516 Gr 70 (b) Matl. SA-516 Gr 70
 (Spec No., Grade) (Spec No., Grade)

	Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a)	Top	1/2"	1/8"	-	-	2:1	-	-	-	Concave
(b)	Bottom	1/2"	1/8"	-	-	2:1	-	-	-	Concave

If removable, bolts used (describe other fastenings) Not removable
 (Matl., Spec. No., Gr., Size, No.)

9. MAWP 37 Int. / 15 Ext. psi at max. temp. 212 °F
 Min. design metal temp. -20 °F at 37 psi. Hydro., ~~static~~, or ~~dynamic~~ test pressure 58 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Outlet	1	6"-150#	RFSO	SA-106 Gr B SMLS	S/XH	SA-516 Gr 70	Welded	Btm. Head
TI	1	1 1/2"-150#	Pad	SA-105	1 3/4"	Integral	Welded	Btm. Head
Level Tap	1	3"-150#	Pad	SA-105	2 1/4"	Integral	Welded	Btm. Head
Manway	1	24" I.D.	RFSO	SA-516 Gr 70	3/8"	SA-516 Gr 70	Welded	Top Head

11. Supports: Skirt No Lugs No Legs Six (6) Other None Attached Wld. to shell & Btm. head
 (Yes or no) (No.) (No.) (Describe) (Where and how)

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: None

(Name of part, item number, Mfr's name and identifying stamp)

Vessel tested in horizontal position at ambient temperature. User see UG-125. Impact tests exempt per UG-20 and UCS-66. The Hastelloy (SB-622) nozzle has a zero corrosion allowance. See attached U-4 form.

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 No. 16,260 expires 12/15, 2001
 Date 8/30/2000 Co. Name JAKE HARRIS & SONS, INC. Signed J. B. Harris
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by JAKE HARRIS & SONS, INC. at La Porte, Texas
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by IB&M RE have inspected the component described in this Manufacturer's Data Report on 8/30, 2000, and state that, to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel 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 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 8/30/2000 Signed [Signature] Commissions NB 10924A TX 1366
 (Authorized Inspector) (Nat'l Board. (incl. endorsements) State, Prov. and No.)

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(name and address of purchaser)

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

4. Type:	<u>Vertical</u>	<u>Waste Surge Tank</u>	<u>CJ-568</u>	
	(horiz., vert., or sphere)	(tank, separator, heat exh., etc.)	(mfg's serial no.)	
	<u>None</u>	<u>CJ-568</u>	<u>296</u>	<u>2000</u>
	(CRN)	(drawing no.)	(Nat'l. Bd. no.)	(year built)

Nozzles, inspection, and safety valve openings:

[illegible][illegible]

Certificate of Authorization: Type U No. 16,260 Expires 12/15, 2001
 Date 8/30/2000 Name JAKE HARRIS & SONS, INC. Signed J. R. Harris
 (manufacturer) (representative)
 Date 8/30/2000 Name [Signature] Commission NB 10924A TX 1366
 (Authorized Inspector) (Nat'l. Board incl. endorsement, state, province and no.)