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

1. Manufactured by MASTER TANK & WELDING, INC. DALLAS, TEXAS
2. Manufactured for Fish Engineering & Construction, Inc. Houston, Texas
3. Location of Installation Deer Park, Texas
4. Type Horiz. (Horiz. or vert. tank) DB-169 (Mfgr's Serial No.) - (CRN) D-4786 (Drawing No.) - (Nat'l Brd No.) (Year Built) 80
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 1977 (Year) and Addenda to Winter '79 (Date) and Code Case Nos. -
Special Service per UG-120(d) -
Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: -
6. Shell: Matl. SA-516-70 (Spec. No., Grade) Nom. Thk. 0.8125 in. Corr. Allow. 0 in. Diam. 96 in. Lgth. 22 ft 3.375 in.
7. Seams: Long. DBW (Welded, Dbl, Sngl, Lap, Butt) R.T. Spot (Spot or Full) Efficiency 85 % H.T. Temp. 1100° F Time 1 hr
Girth DBW (Welded, Dbl, Sngl, Lap, Butt) R.T. Spot (Spot, Partial, or Full) No. of Courses 3
8. Heads: (a) Material SA-516-70 (Spec. No., Grade) (b) Material SA-516-70 (Spec. No., Grade)

	Location (Top, Bottom, Ends)	Min. Thk.	Corr. Allow.	Crown Radius	Knuckle Radius	Ellipse Ratio	Conical Apex Angle	Hemisph. Radius	Flat Diam.	Side to Pressure (Convex or Concave)
(a)	End	0.4375"	0	-	-	-	-	48	-	Concave
(b)	End	0.4375"	0	-	-	-	-	48	-	Concave

If removable, bolts used (describe other fastenings) - (Material, Spec. No., Gr., Size, No.)
9. Constructed for max. allowable working pressure 253 psi at max. temp. 150 deg. F. Min. temp. (when less than -20 F) - F. Hydrostatic, pneumatic, or combination test pressure 380 psi.
10. Safety Valve Outlets: Number 1 Size 3" Location Shell (UG 125 Note 31)
11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Manway	1	20"	RF SOF	SA-516-70	0.50"	SA-516-70	Wld.	Shell
Relief	1	3"	RF SOF	SA-106-B	0.30"	SA-516-70	Wld.	Shell
Spare, Liq.Out, Level XMTR, Level Switch, Vapor Out,								
& Chl. In	7	2"	RF SOF	SA-106-B	0.218"	-	Wld.	Shell
TW,Pr.X	2	1.5"	RF SOF	SA-106-B	0.200"	-	Wld.	Shell
Pr.Swch.	1	1"	RF SOF	SA-106-B	0.179"	-	Wld.	Shell

12. Supports: Skirt No (Yes or no) Lugs - (No.) Legs - (No.) Other Saddles (Describe) Attached Shell/Welded (Where and how)
13. Remarks: S/O #4786, Item BCL-500, Chlorine Weigh Tank (10,000 W.G.)
P.O. # 1935-D9-1

CERTIFICATE OF 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.
Date 7-2-80 Signed MASTER TANK & WELDING (Manufacturer) by Dewey L Davis (Representative)
"U" Certificate of Authorization No. 221 expires DECEMBER 31, 1982

CERTIFICATE OF SHOP INSPECTION

Vessel made by MASTER TANK & WELDING, INC. at DALLAS, TEXAS
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 H.S.B.I.&I.Co. have inspected the pressure vessel described in this Manufacturers' Data Report on July 3 19 80, 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 the Manufacturers' 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.
Signed (Inspector) Date 8-3-80 Commissions Texas # 1000 (Nat'l Board, State, Province and No.)

(1/76) This form (E00117) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017