

**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**

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1. Manufactured and certified by JETT WELD, INC., 12118 FM 529, HOUSTON, TX 77041  
(Name and address of manufacturer)

2. Manufactured for KELLOGG BROWN & ROOT, PASADENA, TX  
(Name and address of purchaser)

3. Location of installation PHILLIPS PETROLEUM, PASADENA, TX  
(Name and address)

4. Type Vertical 3138 6583-3138 1494 2000  
(Horiz. or vert. tank) (Mfg'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  
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516 Gr 70 .500" .0625" 96" I.D. 27'-7" SM-SM  
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: WDB Spot 85% --- --- WDB Spot 3  
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) Mat'l. SA-516 Gr 70 (b) Mat'l. 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	.500"	.0625"	---	---	2:1	---	---	---	CONCAVE
(b)	Bottom	.500"	.0625"	---	---	---	29.53	---	---	CONICAL

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

9. MAWP 115 & 15 EXTERNAL psi at max. temp. 650/300 °  
 Min. design metal temp. 0 ° F at 115 psi. Hydro., ~~XXXX~~, or ~~XXXX~~ test pressure 199 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
LIQ.OUT	1	6"150#	RFWN	SA-106-B	.432"	None	WELDED	CONE HEAD
MANHOLE	1	18"150#	RFWN	SA-106-B	.500"	SA-516-70	WELDED	SHELL
LIQ.INL.	1	4"150#	RFLWN	SA-105	.750"	None	WELDED	MANHOLE
TEMP.TRANS.	2	2"150#	RFLWN	SA-105	.531"	None	WELDED	CONE HEAD

11. Supports: Skirt YES Lugs --- Legs --- Other --- Attached WELDED TO CONE  
(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 this report:

(Name of part, item number, Mfg's name and identifying stamp)  
**SEE U4 FORM ATTACHED**  
**EXEMPT FROM IMPACTS PER UG-20(F)**  
**P. O. NO. 6415-KRRBCD1-D400-01**

**DRY BUTADIENE STORAGE TANK**

**SAFETY RELIEF PER UG-125A**  
**ITEM NO. 95-4113**

**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. 12772 expires 2-17, 02

Date 12-7-00 Co. Name JETT WELD, INC. Signed [Signature]  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by JETT WELD, INC. at HOUSTON, TX 77041

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 FACTORY MUTUAL INSURANCE COMPANY JOHNSTON, RI have inspected the component described in this Manufacturer's Data Report on 12/07, 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 12/07/00 Signed [Signature] Commissions N.P.#10874A TX #1393  
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

