

FORM U-1A MANUFACTURERS' 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

1. Manufactured by COOLING PRODUCTS, INC. 500 NORTH PECAN, BROKEN ARROW, OK 74012
 2. Manufactured for Amoco Production Company Houston, Texas
 3. Location of Installation Amoco - Anschutz Ranch East Evanston, Wyoming
 4. Type Finned Sec. 2815 H-206-4 727 Year Built 1983
(Horiz. ~~XXXXXX~~) (Mfg. Serial No.) (CRN) (Drawing No.) (Nat'l Bd. No.)
 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 1980 (Year) and Addenda to Winter 82 (Date) and Code Case Nos. XXXXXX 1879 Special Service NONE
 Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: NONE

6. Shell: Matl. (Spec No. Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. (ft. & in.) Length (overall) (ft. & in.)
 7. Seams: Wld. Sngl. Corn. Jnt. NONE C-20 1100 1
Long (Welded Dbl Sngl Lap Butt) RT (Spot or Full) Eff. (%) HT Temp. (°F) Time (hr) Girth (Welded Dbl Sngl Lap Butt) RT (Spot Partial or Full) No. of Courses
 8. Heads: (a) Matl. SA-515-70 (b) Matl. SA-515-70
(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)	Tube & Plug Sheet	1"	1/16"*						8-5/8"	
(b)	Wrapper & End Plate	1/2"	1/16"*						4"	

If removable, bolts used (describe other fastenings) _____
(Matl. Spec No. Gr. Size No.)

9. Const. for max. allow. working press. 100 psi at max. temp. 150 °F Min. temp. (when less than -20 °F) _____ °F.
 Hydro. ~~XXXXXX~~ test pressure 150 psi.

10. Safety Valve Outlets: No. _____ Size _____ Location to be furnished by customer and installed in their piping.

11. Nozzles and Inspection Openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	1	6" ANSI	150#RFWN Flg.	SA-105	XH		Wld'd.	Header
Outlet	1	6" ANSI	150#RFWN Flg.	SA-105	XH		Wld'd.	Header
Vent	1	1"-6000#	Cplg.	SA-105			Wld'd.	Header
Drain	1	1"-6000#	Cplg.	SA-105			Wld'd.	Header
Tube	206	1" OD	Straight	SA-214	16 GA		Rolled	Tube Sht.
Ins.	412	1-1/8"	Thd'd.					Plug Sht.

12. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(Yes or no) (No) (No) (Describe) (Where and how)

13. Remarks: Four row, four pass box type headers. Air Cooled Heat Exchanger
* Corrosion allowance does not include nozzles. Dimensions: 8-5/8" x 121-1/8"
Two 6" Swages SA-216-WCB with two 1" hex head plugs each SA-105
206B42404 P.O. #83A-0-03024 Glycol Cooler

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 6-30-83 Signed COOLING PRODUCTS, INC. by *Harold Sander*
(Manufacturer) (Representative)

"U" Certificate of Authorization No. 5746 Expires April 30, 19 84

CERTIFICATE OF SHOP INSPECTION 500 North Pecan BROKEN ARROW, OKLAHOMA 74012

Vessel made by COOLING PRODUCTS, INC. at _____

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 XXXXXX Oklahoma and employed by C.U. Ins. Co.

have inspected the pressure vessel described in this Manufacturer's Data Report on 7-11, 19 83, 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 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.

Signed *J. S. Rayner* Date 7-11-83 Commissions NB5652 OK259
(Inspector) (Nat'l Board State Province and No.)