

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

1. Manufactured and certified by COOLING PRODUCTS, INC. 500 NORTH PECAN, BROKEN ARROW, OK 74012
(Name and address of manufacturer)

2. Manufactured for Amoco Production Company Houston, Texas
(Name and address of purchaser)

3. Location of installation Amoco - Anschutz Ranch East Evanston, Wyoming
(Name and address)

4. Type Finned Sec. 2847 H-206-4 738 1984
(Hours) (Mfg. serial No.) (CRN) (Drawing No.) (Mat. Bl. 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 1983
Year

to Summer 83 None None
Address (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Wld. Sngl. Corn. Jnt. None C=20 1100 1
Long. (Welded, Dbl. Sngl. Lap, Butt) R.T. (Spot or Full) EW (%) 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-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 & Tube 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. MAWP 100 psi at max. temp. 150 °F
 Min. temp. (when less than -20°F) _____ °F. Hydro. ~~test pressure~~ 150 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
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/Drain	2	1"-6000#	Cplgs.	SA-105			Wld'd.	Header
Tubes	206	1" OD	Straight	SA-214	16 GA		Rolled	Tube Sht.

11. Supports: Skirt _____ Lugs _____ Legs _____ Other _____ Attached _____
(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: Air Cooled Heat Exchanger
(Name of part, item number, Mfg.'s name and identifying stamp)

Four row, four pass box type headers. Dimensions: 8-5/8" x 121-1/8"
* Corrosion allowance does not include nozzles. Two 6" Swages SA-216-WCB w/2 1" hex head plugs
206B42404 P.O. #83A-0-03051 Glycol Cooler each SA-105

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. <u>5746</u> expires <u>April 30, 19 87</u> .	
Date <u>3-14-84</u>	Co. name <u>COOLING PRODUCTS, INC.</u> Signed <u>Wade Gordon</u>
<small>(Manufacturer) (Representative)</small>	
CERTIFICATE OF SHOP INSPECTION	
Vessel constructed by <u>COOLING PRODUCTS, INC.</u> at <u>500 NORTH PECAN, BROKEN ARROW, OK 74012</u>	
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 <u>Oklahoma</u> and employed by <u>Commercial Union Insurance Company</u>	
have inspected the component described in this Manufacturer's Data Report on <u>3-15</u> , 19 <u>84</u> , 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 <u>3-15-84</u>	Signed <u>[Signature]</u> Commissions <u>UB 3194</u>
<small>(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)</small>	