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

1.	Manufectured	end cert	ified by	COOLING	PRODUC	TS, INC.	500 NOR	TH PECAN.	BROKEN AF	RROW, OK	74012	
2.	2. Manufactured for AMOCO PRODUCTION COMPANY HOUSTON, TEXAS											
							hutz Ran	ch East	Evanston,	Wyoming		
	AMOCO PRODUCTION COMPANY Anshutz Ranch East Evanston, Wyoming [Name and adds to] [Name and adds to]										1989	
	IH	XXXX	XX	(Affgr's so	•			(Drawing No.)	(Nat'l, Bd, No.) (Year baid)			
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 workmenship conform to ASME Rules, Section VIII, Division 1 1986												
NONE										Year		
	to	1987	Addenda (Dete)			Code Case Nas.				NONE Speaks Service per UG-130(d)		
6.	6. Shell: Med. (Spec. No., Grade) Noru. This, (in.) Corr. Allow. (in.) Dion. 1.D. (ft. & in.) Longth (severall) (ft. & in.)											
,										· · · ·		
Long, (Wolded, Dbl., R.T. (Spot or Full) Eff. (%) H.T. Tomp, (F) Time (hr) Girth (Wolded, Dbl., R.T. (1)								R.T. ISpot, F or Full	braid, No. of Courses			
8.	Heads: (a) Mati, SA-510-70 (Spec. No., Grade) (Spec. No., Grade)											
	Location (Top. Bottom, Ends)	Minick	mum iness	Corrosion	Crown Radius	Knuckle Radius	Effiptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)	
(=)	Tube & Plug Sheet	3-1		/16						9"		
(0)	End Plate	1-5	/8" 1	/16				<u> </u>		4''		
If removable, bolts used (describe other fastenings)												
9, MAWP 2,700 psi et max. temp. 350												
9. MAWP 2,700 psi at max. temp. 350 on Min. design metal temp. 0 of at 2,700 psi at max. temp. 350 on psi												
10. Nozzles, inspection and safety valve openings: Safety valve furnished by customer & installed in their piping												
Purpose (Invest Outlet Orain)		Diam or Size		Type	Type Main		Non-		dontercoment Matt		Queato n	
Inlet		1 6"ANS				lg. SA-10)5 XH				Wld'd. Header	
Outlet					TJWN Flg. SA-10						Wld'd. Header	
Vent/Drain			1"-600	1		SA-10				Wld'd.	Header	
	ubes	153			tl	SA-21				Rolled	Tube Sht	
11.	Supports: Skirt	IYm •	Lug	{No.}	_L egs	Other_	10-10	A	tteched	(Where and	hear)	
2.	Remarks: Mani	decture	's Partial C	ata Banorts o	roperly idea	ntified and signe	d by Commiss	uoned Inspecto	rs have been fur	nished for the fo	ollowing items of	
	the report:		4					A		Heat Exch		
	Designed	per 1	Fig. U	S-66, Cu	rve "Ď	Primore	Mfgfs, name and idea	11 70 7	/ o ! !			
Five row, four pass box type headers. Dimensions: 9" x 70-7/8" Two 6" Swages SA-216-WCB each w/ (2) 1" hex head plugs, SA-105.												
153B53604 P.O. 83A-9-03002-890 BLIC Intercooler												
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 con-												
form to the ASME Code for Pressure Vessels, Section VIII, Division 1. "U" Certificate of Authorization No. 5746 expires April 3019 90.												
Dete 6-14-89 Co. name COOLING PRODUCTS INC Signed Manufacture) [Representative]												
CERTIFICATE OF SHOP INSPECTION Vessel constructed by COOLING PRODUCTS INCet_500_NORTH_PECAN_BROKEN_ARROW, OK_74012												
1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of												
Oklahoma and employed by Commercial Union Insurance Company												
have inspected the component described in this Manufacturer's Data Report on												
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 Manu-												
fecturer's Data Report. Furthermore, neither the Inspectog nor his employer shall be liable in any manner for any personal injury or property demage												
or a loss of any kindlerising from or connected with this impaction. Date 7/7/89 Signed WWW Commissions OKZ61												
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