

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

A2681863

1. Manufactured and certified by Penfabco Ltd. 5720 - 103A Street, Edmonton, Alberta T6H 2J5  
(Name and address of manufacturer)
2. Manufactured for Argo Sales Ltd. P.O. Box 130, Nisku, Alberta T0C 2G0  
(Name and address of purchaser)
3. Location of installation Stock Item  
(Name and address)
4. Type Vertical PE 3260 H3188.2135 PE-2604 Rev. 1 - 1990  
(Horiz. or vert. tank) (Mfr'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 1989  
to Dec. 1989  
Addenda (Date) Code Case Nos. Special Services per UG-120(d)
6. Shell: SA-53-B ERW .375" (9.53mm) .0625" (1.5875mm) 23.250" (590.55mm) 5'-0" (1524mm)  
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)
7. Seams: SA-53-B ERW - 85% - - Mig Root WSB - 1  
Long. (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) EH. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses
8. Heads: (a) Matl. SA-516-70 (b) Matl. SA-516-70  
(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	.360"	.0625"			2:1				Concave
(b)	Bottom	.365"	.0625"			2:1				Concave

If removable, bolts used (describe location and ratings)

(Matl., Spec. No., Gr., Size, No.)

9. MAWP (1620 kPa) 235 psi at max. temp. (38 °C) 100 °F  
Min. design metal temp. (-29 °C) -20 °F at 235 psi. Hydro., pneum. or comb. test pressure (2430 kPa) 353 psi.
10. Nozzles, inspection and safety valve openings: (1620 kPa)

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk.	Reinforcement Matl.	How Attached	Location
Inlet	1	2"	RFWN	SA-105N/SA-106-B	sch 160		Welded	Shell
Outlet	1	2"	RFWN	SA-105N/SA-106-B	sch 160		Welded	Top Head
L.L.C.	1	8"	RFSO	SA-105N/SA-106-B	sch 80		Welded	Shell
Insp./PSV	1	2"	Cplg	SA-105	3000#		Welded	Top Head

11. Supports: Skirt Yes Lugs Yes Legs Yes Other Attached Welded to bottom head  
(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:

Ultimate owner: Argo Sales Ltd.  
P.O. Box 130  
Nisku, Alberta T0C 2G0  
Impact tests not required by UG-20(f) 1 to 5,  
Volume: .5<sup>m3</sup> 2-Phase Vertical Separator  
Continued on U-4 Supplementary Sheet

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. 14,383 expires 1-10, 19 93  
Date Dec-5-90 Co. name Penfabco Ltd. Signed A. Javotels  
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Penfabco Ltd. at Edmonton, Alberta  
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 Alberta and employed by The Government of Alberta

have inspected the component described in this Manufacturer's Data Report on Dec 6, 19 90, 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 90-12-06 Signed [Signature] Commissions Alberta  
(Authorized Inspector) (Nat'l. Board (incl. endorsements), State, Prov. and No.)

