

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 Penfabco Ltd. 5720 - 103A Street Edmonton, Alberta T6H 2J5

2. Manufactured for Argo Sales Ltd. P.O. Box 1160 Nisku, Alberta T9E 8N8

3. Location of installation Stock Item

4. Type Vertical (Hour or vert. axis) PE-4571 (ASME Vessel No.) K6471.213 (CHN) D3012 Rev. 0 (Drawing No.) N/A (N/A) 1996 (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.

6. Shell: SA-516-70 (Material) .6250" (Nom. Thk. (in.)) None (Corr. Allow. (in.)) 28.75" (Diam. I.D. (in. & in.)) 10'0" s/s (Length (overall) (ft. & in.))

7. Seams: WDB Full 100% (EH (N)) N/A N/A N/A WSB Full UW11(a)5b 1 (A.T. Spot, Pneu., or Full) No. of Corros. Spots, Lap, Butt

8. Heads: (a) Matl. SA-516-70 (Spec. No., Grade) (b) Matl. SA-516-70 (Spec. No., Grade)

Location (Top, Bottom, Ends)	Minimum Thickness	Corrosion Allow.	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Concave or Convex)
(a) Top	.717"	N/A	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b) Bottom	.720"	N/A	N/A	N/A	2:1	N/A	N/A	N/A	Concave

If removable, bolts used (describe other fastenings): none

9. MAWP 720 psi at max. temp. 100 °F at 720 psi. Hydro., pneu., or comb. test pressure 1080 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Matl.	Nom. Thk. (in.)	Reinforcement Matl.	How Attached	Location
Inlet	1	3" 300#	RFWN	SA-105N/SA-106-B	Sch 80	SA-516-70	Welded	Shell
Outlet	1	3" 300#	RFWN	SA-105N/SA-106-B	Sch 80	SA-516-70	Welded	Top Head
PSV	1	2" 3000#	Qp1g	SA-105N	N/A	N/A	Welded	Top Head
Inspections	2	2" 3000#	Qp1g	SA-105N	N/A	N/A	Welded	Shell

11. Supports: Skirt Yes No Legs No Other No Attached Welded to Bottom Head (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 1160 Nisku, Alberta T9E 8N8
Impact Tests Not Required Per UG20(f) 1to5
Volume: 1.49m3 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 12-28, 1998.
Date Mar 31/96 Co. name Penfabco Ltd. (Manufacturer) Signed M. J. J. J. (Inspector)

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 Alberta Boilers Safety Association
have inspected the component described in Manufacturer's Data Report on March 5, 1996 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 March 5, 1996 Signed [Signature] (Inspector) Commissions Alberta (State, Province and No.)

