

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

A) 445576
 Jan 26/00

1. Manufactured and certified by Orban Industries Ltd. 5440-53rd Street S.E. Calgary, Alberta T2C 4B6
(Name and Address of Manufacturer)

2. Manufactured for Alta Gas Services Inc. 1700,355-4th Avenue S.W. Calgary Alberta T2P 3Y6
(Name and address of purchaser)

3. Location of installation Alta Gas Services Inc. LSD: 17 14 33 10 W4M
(Name and address)

4. Type Vertical 00.001AVS L - 8646 2 00-001-A Rev 1 N/A 2000
(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 1998
Year
 to 1999 N/A N/A
Year

6. Shell SA-516-70N 0.625" 0.0625" 2' 4 & 7/8" 10' 0"
Addenda (Date) Code case Nos. Special Service per UG-120(d)

7. Seams. Type 1 Full 1.0 N/A N/A Type 1 Spot 1
Mat'l (Spec No. Grade) Nom Thk (in) Corr Allow (in) Diam ID (ft & in) Length (overall) (ft & in)
Long (Welded, Dbl Singl Lap, Butt) R T (Spot or Full) Eff (%) N/R HT Temp (°F) Time (hr) Girth (Welded, Dbl Singl Lap, Butt) R T (Spot, Partial or Full) No of Courses

8. Heads (a) Mat'l SA-516-70N (b) Mat'l SA-516-70N
(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	0.586"	0.0625"			2:1				Concave
(b) Btm	0.586"	0.0625"			2:1				Concave

If removable, bolts used (describe other fastenings) N/A
(Mat'l, Spec No, Gr, Size, No)

9. MAWP 720 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 720 psi. Hydro., pneu., or comb. test pressure 936 psi

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Mat'l	Nom. Ink	Reinforcement Mat'l	How Attached	Location
				SEE ATTACHED	FORM	U-4		

11. Supports: Skirt Yes Lugs 0 Legs 0 Other N/A Attached Btm/Welded
(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:

Vol. 51.0 Cu. Ft. (1.44 Cu. M.) Vertical Separator UW-11(a)5(b)
Impact Test Exempt per. UG-20(f) 1-5 and UCS-66(a)
(Name of part, item number, Mfr's name and identifying stamp)

Manufacture Drawing 00-001-A Rev. 1

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. 31,452 expires Nov 1, 2002
 Date Jan 26/00 Co. name Orban Industries Ltd. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Orban Industries Ltd. at 5440-53rd Street S.E. Calgary Alberta, T2C 4B6
 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 Boiler Safety Association
 have inspected the component described in this Manufacturer's Data Report on Jan 26, 2000 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 Jan 26/00 Signed [Signature] Commissions ALTA # 58
(Authorized Inspector) (Nat'l Board (incl. endorsements) State, Prov. and No.)

