

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

①416808

1. Manufactured and certified by ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. 5203 75th STREET EDMONTON, ALBERTA
(Name and address of manufacturer)

2. Manufactured for AEC WEST LTD 707 - 8TH AVE S W CALGARY AB
(Name and address of purchaser)

3. Location of installation STOCK
(Name and address)

4. Type VERT 97C-5870-07 1 N-6105.21 A-21225 R2 N/A 1997
(Horiz. or vert., tank) (Mfg's serial No.) (CRN) (Drawing No.) (Mat'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 1995
Year

to A-1996 N/A N/A
Addenda (Date) Cod's Case Nos. Special Service per UG-120(f)

6. Shell: SA-516-70N .875 .0625 8 1/2" 8' - 0"
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: Welded Sngl Full 100 1150 1 Type 1 Full(uw-11a) 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) EH. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., 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	.835	.0625	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b)	Bottom	.840	.0625	N/A	N/A	2:1	N/A	N/A	N/A	Concave

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

9. MAWP 1407 psi at max. temp. 150 °F
 Min. design metal temp. -20 °F at 1407 psi. Hydro., pneu. or comb. test pressure 2111 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Mat'l.	Nom. Thk.	Reinforcement Mat'l.	How Attached	Location
Inlet	1	3"	RFWN	SA-105N/106B	Sch 160	SA-516-70N	UW-16.1	Shell
Outlet	1	3"	RFWN	SA-105N/106B	Sch 160	SA-516-70N	UW-16.1	Top Head
Level Control	1	4"	RFWN	SA-105N/106B	Sch 160	SA-516-70N	UW-16.1	Shell
Level Cont./Insp	1	4"	RFWN	SA-105N-106B	Sch 160	SA-516-70N	UW-16.1	Shell

11. Supports: Skirt Yes Lugs N/A Legs N/A Other Welded to Attached 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: Impact Test Exempt UG -20(f)
(Name of pr., item number, Mfg's name and identifying stamp)

3 Phase Separator Capacity .53m³
P S V Located in Piping

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. 14259 expires Oct 7, 19 98.
 Date 98-1-21 Co. name ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. Signed [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. at EDMONTON
 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 this Manufacturer's Data Report on Jan 21, 19 98, 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 21 1998 Signed [Signature] Commissions ALBERTA S
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)

(A)416808

FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by ALCO GAS & OIL PRODUCTION EQUIPMENT LTD., 5203 75th STREET EDMONTON, ALBERTA
(Name and address of Manufacturer)

2. Manufactured for AEC WEST LTD 707 - 8TH AVE S W CALGARY AB
(Name and address of Purchaser)

3. Location of installation STOCK
(Name and address)

4. Type: VERT 3 PHASE SEPARATOR 97C-5870-07 1
(Tank, separator, heat exch., etc.) (ASME code No.)
N-6105.21 A-21225 R2 N/A 1997
(CRN) (Drawing No.) (Part. Bd. No.) (Year built)

Data Report Item Number	Remarks									
L S H H	1	4"	RFWN	600#	SA-105N/106B	Sch 160	SA-516-70N	UW-16.1	Shell	
Water Out	1	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Cond Outlet	1	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Drain	1	2"	RFWN	600#	SA-105N/106B/234WPB	Sch 160	N/A	UW-16.1	Btm. Hd.	
Press Ind	1	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Temp Ind	1	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Level Gauge	2	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Level Gaugw	2	2"	RFWN	600#	SA-105N/106B	Sch 160	N/A	UW-16.1	Shell	
Inspection	1	3"	RFWN	600#	SA-105N/106B	Sch 160	SA-516-70N	UW-16.1	Shell	

Certificate of Authorization: Type U No. 14259 Expires October 7, 1998
Date 98-1-21 Name ALCO GAS & OIL PRODUCTION EQUIPMENT LTD. Signed [Signature]
(Manufacturer) (Representative)
Date Jan 21/98 Name [Signature] Commission ALBERTA
(Authorized Inspector) (Part Board Incl. endorsement, State, Province and No.)