

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

AH65525

1. Manufactured and certified by **Alco Gas & Oil Production Equipment LTD.** 5203-75 th STREET EDMONTON, ALBERTA
(Name and address of manufacturer)
2. Manufactured for **ANADARKO CANADA CORPORATION** 425 1 st STREET SW CALGARY ALBERTA
(Name and address of purchaser)

3. Location of installation **Stock**

4. Type: **Vertical** 2001-6618-02E (Mfg's serial No.)
(Horizontal or vertical tank)
Special Service per UG-120(d) **8" 0"**
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 built)

6. Shell: **SA-106B** Addenda (Date) **A-2000**
Nom Thk. (in.) **1.031"** Code Case Nos **N/A**
Corr. Allow. (in.) **1/8"** Diam. I.D. (ft. & in.) **13.9"** Length (overall) (ft. & in.) **8' 0"**
7. Seams: **SEAMLESS** R.T. (Spot or Full) **N/A** H.T. Temp. (F) **1150** Time (hr) **75 MIN.** TYPE I **Full** R.T. (Spot, Partial, or Full) **W11a** No. of Courses **2**
Long. (Welded, Dbl. Singl., Lap, Butt) **SA-516Gr.70N** (b) Mat'l. (Spec. No., Grade) **SA-516Gr.70N**

8. Heads: (a) Mat'l. **SA-516Gr.70N** (b) Mat'l. **SA-516Gr.70N**

Location (Top Bottom) Minimum Thickness **.875"** Corrosion Allowance **1/8"** Knuckle Radius **N/A** Elliptical Ratio **2:1** Conical Apex Angle **N/A** Hemispherical Radius **N/A** Flat Diameter **N/A** Side to Pressure (Convex or Concave) **Concave**
(a) Top **.875"** **1/8"** **N/A** **2:1** **N/A** **N/A** **N/A** **Concave**
(b) Bottom **.875"** **1/8"** **N/A** **2:1** **N/A** **N/A** **N/A** **Concave**

If removable, bolts used (describe other fastenings) **N/A**

9. MAWP: **1440** (Mat'l. Spec. No., Gr., Size, No.) **128** Hydrostatic **1872** 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
GAS INLET	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	N/A	UW16.1(c)	SHELL
GAS OUT/INSP	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	N/A	UW16.1(c)	TOP HEAD
WATER OUT	1	2"	CL600FLG.	SA-106B/105N	SCH 160	N/A	UW16.1(c)	SHELL
COND. OUT	1	2"	CL600FLG.	SA-106B/105N	SCH 160	N/A	UW16.1(c)	SHELL
LEVEL CON/INSP	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	N/A	UW16.1(c)	SHELL
LEVEL CON	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	N/A	UW16.1(c)	SHELL
PSV	1	2"	CL600FLG.	SA-106B/234WPB	SCH 160	N/A	UW16.1(c)	SHELL

11. Supports: Skirt (Yes or no) **Yes** Lugs **NO** Legs **NO** Other **Other** 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: **IMPACT TEST EXEMPT UG 20(f) UCS 66 (c)**

3 PHASE SEPARATOR CAPACITY **271 M3** (Name of part, item number, Mfg's. name and identifying stamp)
AS BUILT DRAWING A-25778 R6

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 th**, 2001
Date **April 12/01** Co. name **Alco Gas & Oil Production Equipment LTD.** Signed **[Signature]** (Ref. essential)

CERTIFICATE OF SHOP INSPECTION
Vessel constructed by **Alco Gas & Oil Production Equipment LTD.** at **5203-75 th STREET 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 ASSOC. ALBERTA** have inspected the component described in this Manufacturer's Data Report on **Sept 12**, 2001, 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 loss of any kind arising from or connected with this inspection.
Date **Sept 12, 2001** Signed **[Signature]** (Authorized Inspector) Commissioners **ALBERTA #87**
(National Board incl. endorsements State, Prov. and No.) **ALBERTA #87** P.atcom 01-00E-99

AL65525

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 **ANADARKO CANADA CORPORATION** 425 1st STREET SW CALGARY ALBERTA
(Name at J address of Purchaser)
3. Location of installation **Stock**
(Name and address)

4. Type: **Vertical** (Horiz., vert., or sphere) **2 PHASE SEPARATOR** (Name and address)
P-5726.23 (CRN) **A-25778 R0** (Drawing No.) **2001** (Mfg's serial No.)
N/A (Nat'l. Bd. No.) **2001** (Year built)

Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain, etc.)	No.	Diameter or Size	Flange Type	Material	Nozzle	Nozzle Thickness		Reinforcement Material	Nozzle	Flange	Location (Insp. Open)
						Nom.	Corr.				
TEMP GAUGE	1	2"	CL600FLG.	SA105N	SA106B	160	1/8"	N/A	UW16.1(c)	TYPE 1	SHELL
INSPECTION	2	2"	CL600FLG.	SA105N	SA106B	160	1/8"	N/A	UW16.1(c)	TYPE 1	SHELL
DRAIN	1	2"	CL600FLG.	SA106B/ 234 WPB	SA106B	160	1/8"	N/A	UW16.1(c)	TYPE 1	Bottom
LEVEL GA	4	2"	CL600FLG.	SA105N	SA106B	160	1/8"	N/A	UW16.1(c)	TYPE 1	HEAD
PRESS IND	1	2"	CL600FLG.	SA105N	SA106B	160	1/8"	N/A	UW16.1(c)	TYPE 1	SHELL
LSH	1	3"	CL600FLG.	SA105N	SA106B	XXH	1/8"	N/A	UW16.1(c)	TYPE 1	SHELL

Data Report Item Number

Remarks

Certificate of Authorization: Type **U** No. **14259** Expires **OCT 7 01**
 Date **Sept 12/01** Name **Alco Gas & Oil Production Equipment LTD.** Signed **[Signature]**
 (Manufacturer) (representative)
 Date **Sept 12, 2001** Name **[Signature]** Commission **ALBERTA #87**
 (Authorized Inspector) (Nat'l. Board incl. endorsement, state, province and no.)
 Flatcom 10-96598