

**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

**A465682**

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**  
 (Name and address)

4. Type: **Vertical** **2001-6618-04F** **A-4427.32** **A-25790 R1** **N/A** **2001**  
 (Horiz. or vert. tank) (Mfg'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**

to **A-2000** **N/A** **N/A** **N/A** **N/A** **N/A**  
 Addenda (Date) Code Case Nos. Special Service per UG-120(d)

6. Shell: **SA-516Gr.70N** **1"** **1/8"** **22"** **8'-0"**  
 Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams: **TYPE I** **Full** **100%** **1150** **75 MIN** **TYPE 1** **FullUW11a** **1**  
 Long. (Welded, Dbl. Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) 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-516Gr.70N** (b) Mat'l. **SA-516Gr.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	1"	1/8"	N/A	N/A	2:1	N/A	N/A	N/A	Concave
(b) Bottom	1"	1/8"	N/A	N/A	2:1	N/A	N/A	N/A	Concave

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

9. MAWP: **1440** psi at max. temp. **128** °F  
 (Mat'l. Spec. No., Gr., Size, No.)

Min. design metal temp. **-20** of at **1440** psi Hydro., pneu., or comb. test pressure **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	SA-516Gr.70N	UW16.1(c)	SHELL
GAS OUTLET	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	SA-516Gr.70N	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
LSH	1	3"	CL600FLG.	SA-106B/105N	SCH 160	N/A	UW16.1(c)	SHELL
LEVEL CON.	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	SA-516Gr.70N	UW16.1(c)	SHELL
LEVEL CON.	1	4"	CL600FLG.	SA-106B/105N	SCH XXH	SA-516Gr.70N	UW16.1(c)	SHELL

11. Supports: Skirt **Yes** Lugs **NO** Legs **NO** 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:  
 (Name of part, item number, Mfg's. name and identifying stamp)  
**IMPACT TEST EXEMPT PER UCS 66 CURVE "D" FOR HEADS, SHELL, NOZZLES, REPADS EXEMPT UG 20 (f). FLANGES EXEMPT PER UG 20 (f) / SEE ATTACHED U4 DATA REPORT / AS BUILT DRAWING A-25790 R6**  
**3 PHASE SEPARATOR / CAPACITY 348 M3**

**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 2004**  
 Date **Nov 19/01** 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 **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 **Nov 19 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 a loss of any kind arising from or connected with this inspection.  
 Date **Nov 19 2001** Signed **[Signature]** Commissions **ALBERTA 4587**  
 (Authorized Inspector) (Nat'l Board Incl. endorsements State, Prov. and No.)

