

**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 462576

- Manufactured and certified by E & D Pipe & Process Equipment Ltd., 2 Bldg. B, 624 Beaverdam Rd. NE, Calgary AB, T2K 4W6
- Manufactured for Anadarko Canada Corporation, 425 - 1st Street SW Calgary, AB
- Location of installation Anadarko Canada Corporation, 09-09-077-07WS
- Type Horizontal (Horiz or vert. tank) 11796 (Mfg's serial No.) P6520.2 (DRI) D-11796-09-01 Rev 0 (Drawing No.) (Nat'l Bkt. No.) 2001 (Year built)
- 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 2000 Addenda (Date) SA-516-70N 0.375" Code case Nos. 0.0625" Special Service per UG-120(d) 3 ft 11.25 in 12 ft 0 in S/S
- Shell: SA-516-70N 0.375" 0.0625" 3 ft 11.25 in 12 ft 0 in S/S
- Seams: Single Butt Full 100 NA Single Butt Full 2

8. Heads: (a) SA-516-70N (b) SA-516-70N

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) End	0.3125	0.0625			2:1				Concave
(b) End	0.3125	0.0625			2:1				Concave

If removable, bolts used (describe other fastenings) \_\_\_\_\_

- MAWP 50 psi at max. temp. 300 F
- Min. design metal temp. -20 °F at 50 °F or 65 psi. Hydro., pneu., or comb. test pressure

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. Or Size	Type	Material	Nom. Thk.	Reinforcement Matl.	How Attached	Location
				SEE ATTACHED	U-4	FORM		

- Supports: Skirt (Yes or no) Legs 2 Other Attached welded to shell

12. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

\* Code UW 11(a) Vol. 166 cu. ft. Built to Drwg # D-11796-09-01 Rev 0  
 Description: Flare Knock Out Drum  
 Impact test exempt per UG-20 (f)

**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. 28,992 expires June 18, 20 02.

Date Nov 1, 2001 Co. name E & D Pipe & Process Equipment Ltd. Signed W. J. ... (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by E & D Pipe & Process Equipment Ltd. at 2 Bldg. B, 624 Beaverdam Rd. NE, Calgary, AB, 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 Nov 1, 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 the 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 1, 2001 Signed \_\_\_\_\_ (Authorized Inspector) ALBERTA #4 Commissions \_\_\_\_\_

(Not Board (incl. endorsements), Seal, Prov. and No.)  
 This form (E0107) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

(A) 1462576.

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 E & D Pipe & Process Equipment Ltd., 2, Bldg. B, 624 Beaverdam Rd. NE, Calgary, AB, T2K 4W6
- 2. Manufactured for ANADARKO CANADA CORPORATION, 425 - 1st Street SW Calgary, AB  
(Name and address of Manufacturer)  
(Name and address of Purchaser)
- 3. Location of installation ANADARKO CANADA CORPORATION, 05-09-077-07W5  
(Name and address)
- 4. Type. Horizontal Flare Knock-Out Drum 11796  
(horiz., vert., or sphere) (Tank, separator, heat exch., etc.) (Mfg s. serial No.)  
P6520.2 D-11796-09-01 Rev 0 N/A 2001  
(CRN) (Drawing No.) (Nat'l Bd. No.) (Year Built)

Data Report  
Item Number 10  
Continued from Form U1a  
Remarks

Purpose (Inlet, Outlet, Drain)	MK No.	No	Diam. or Size	Type	Mat'l	Nom. Thk.	Reinforce-ment Mat'l	How Attached	Location
H.P Gas Inlet	N1	1	6"	150#/R/FWN	SA-105N/SA-106B	0.322"	SA-516-70N	UW 16(c)	Shell
Gas Outlet	N2	1	6"	150#/R/FWN	SA-105N/SA-106B	0.322"	SA-516-70N	UW 16(c)	Shell
H.C Drain Inlet	N3	1	2"	150#/R/FWN	SA-105N/SA-106B	0.216"	N/A	UW 16(c)	Shell
Pump Outlet	N4	1	3"	150#/R/FWN	SA-105N/SA-106B	0.216"	SA-516-70N	UW 16(c)	Shell
Briddle	N5 a/b	2	2"	300#/R/FWN	SA-105N/SA-106B	0.216"	N/A	UW 16(c)	Shell
Immersion Heater	N6 a/b	2	3"	150#/R/FWN	SA-105N/SA-106B	0.216"	N/A	UW 16(c)	Head
LSHH	N7	1	4"	150#/R/FWN	SA-105N/SA-106B	0.216"	SA-516-70N	UW 16(c)	Shell
Manway	M1	1	20"	150#/R/FWN	SA-105N/SA-106B	0.375"	N/A	UW 16(c)	Shell

Certificate of Authorization Type \*U\* No. 28,992 Expires JUN 18, 2002

Date Nov 01, 01 Name E & D Pipe & Process Equipment Ltd Signed Waver H  
(Manufacturer) (Representative)

Date Nov 1 2001 Name Alberta #4 Commission ALBERTA #4  
(Authorized Inspector) (Nat'l Board incl. Endorsement, State, Province and No.)

(12/91) This form (E00118) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300