

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
 (Alternative Form for Single Chamber, Complete Shop or Field Fabricated Vessels Only)  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by BROMLEY MECHANICAL SERVICES (1985) LTD. 925-23 STREET S.W. MEDICINE HAT ALBERTA CANADA T1A 8R1  
 (Name and address of manufacturer)

2. Manufactured for Anadarko Canada Corporation, 425 - 1 Street SW, Calgary, AB T2P 4V4  
 (Name and address of purchaser)

3. Location of installation Cecilia Compressor Station - LSD. 6-9-58-23 W5M  
 (Name and address)

1. Type: Horizontal Separator (Mfg's serial No.) R9118.2 31453-REG Rev.0 (Drawing No.) 2004  
 (Horiz. or vert. tank) (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

to Addenda (Date) 2003 Code Case No. n/a Special Service per UG 120(d) 150°SJS

6. Shell: SA516-70N 0.500" Nom. Thk. (in.) 0.0625" Diam. I.D. (ft. & in.) 48"ID Length (overall) (ft. & in.)

7. Seams: SINGLE (Type 1) FULL 100% Corr. Allow. (in.) n/a Single (Type 1) 2  
 Long. (Welded, Dbl., Singl., Lap, Butt) R.T. (Spot or Full) H.T. Temp (°F) Time (hr) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads: (a) SA516-70N (b) SA516-70N (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 (Concave or Convex)
(a) Left	0.4375"	0.0625"	n/a	n/a	2:1	n/a	n/a	n/a	Concave
(b) Right	0.4375"	0.0625"	n/a	n/a	2:1	n/a	n/a	n/a	Concave

9. MAWP 275 psi at max. temp. 100 °F 358 psi.  
 Min. design metal temp. -20 °F at 275 psi. Hydro., pressure test pressure

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain, Manway, Boot)	Diam. or Size	Type	Material	Nom. Thk.	Reinforcement	How Attached	Location
Manway	20"	CL150 RFWN	SA106B, SA105N	0.500"	SA516-70N	UW16.1(e)	Left Head
Boot	16"	Pipe	SA106B	0.0656"	SA516-70N	UW16.1(e)	Shell
Inlet, Outlet	12"	CL150 RFWN	SA106B, SA105N	0.500"	SA516-70N	UW16.1(e)	Shell
LSH, PSV	4"	CL150 RFWN	SA106B, SA105N	0.531"	SA516-70N	UW16.1(e)	Shell
Cond Out	3"	CL150 RFWN	SA106B, SA105N	0.300"	-	UW16.1(e)	Shell
Water Out, LT-2	2"	CL150 RFWN	SA106B, SA105N, SA234WPB	0.344"	-	UW16.1(e)	Shell
LT-2, Bypass	3"	CL150 RFWN	SA1063, SA105N	0.344"	-	UW16.1(e)	Shell
TI, PI, PSH	4"	CL150 RFWN	SA106B, SA105N	0.344"	-	UW16.1(e)	Shell

11. Supports: Skirt n/a Lugs 2 Legs 2 Other n/a Attached Shell, Weld  
 (Yes or no) (No.) (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: \_\_\_\_\_

Volume: 211.2 cu ft. of 5.98 cu m PSV Supplied By Others As Per UG125 (Name of part, item number, Mfg's name and identifying stamp)

CA: 0.0625" "Spot Radiography in Accordance with UW11a5b" "Boot Head SA516-70N 0.625" min.

Impact Testing: No Per UG201(1-5) Construction Drawing Cad No.31453-VESSEL, Rev.1 "U" Certificate of Authorization No. 30634 expires 10/26/2004

**CERTIFICATE OF SHOP / FIELD 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. 30634 expires 10/26/2004

Date Sept 27/04 Co. Name BROMLEY MECHANICAL SERVICES (1985) LTD Signed [Signature] (Manufacturer) (Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by BROMLEY MECHANICAL SERVICES (1985) LTD. at 925-23 STREET S.W. MEDICINE HAT ALBERTA CANADA T1A 8R1  
 I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and 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 SA 234 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 Sept 27/04 Signed [Signature] (Authorized Inspector) Commissions ALTA 61 (R) (Nat'l Board, incl. endorsements) State, Prov. and No.)