

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

489255

1. Manufacturer and certified by: BROMLEY MECHANICAL SERVICES (1985) LTD. 925-23 STREET S.W. MEDICINE HAT, ALBERTA, CANADA T1A 0R1
 (Name and address of manufacturer)

2. Manufacturer's Code: ENG Resources Canada Inc. 1481-101 34 Avenue SW Calgary AB T2P 3V4
 (Name and address of manufacturer)

3. Application of this report: ASD 0124 1047255
 (Name and address of user)

4. Type: Horizontal Separator 21456 R0185-2 30321-REV-1 Rev C 2002
 (Material or item name) (ASME Spec No.) (ASME Div 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 manufacturing conform to ASME Rules, Section VIII, Division 1. 2001
 Year

6. To: 2001 2235-3, 2235-4 n/a
 Applicable Rules Code Case No. Special Service per UG 120(d)

7. Shell: SA516-70N 1.750" 0.125" 47" id 150' ps
 Mat. (Spec No., Grade) Thickness Cor. Allow. (in) Diam ID (in) Length (overall) (ft & in)

8. Seams: Single (Type 1) Full 100% 1150°F 2.0 hr Single (Type 1) Full 1
 Long. (Welded Jt) RT (Spot or Full) ET (in) H.T. Temp (in) Time (hr) Girth (Welded Jt) RT (Spot, Partial or Full) No. of Courses

9. Heads: (a) Mat: SA516-70N (b) Mat: SA516-70N
 (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	1.750"	0.125"	n/a	n/a	2.1	n/a	n/a	n/a	Concave
(b)	Bottom	1.750"	0.125"	n/a	n/a	2.1	n/a	n/a	n/a	Concave

If removable, bolts used (describe other fastenings):
 (Mat. Spec No., G. Size No.)

10. MAWP: 1440 100 1872 psi
 Min. design metal temp: 20 1440 psi Hydro: 1872 psi

11. Nozzles, inspection and safety valve openings

Purpose (Inlet, Outlet, Drain)	No.	Diam. (in)	Type	Mat.	Thick.	Reinforcement	How Attached	Location
Manway	1	20"	CL600RFBWN	SA105N	600 ANSI	-	UW16.1(e)	Head
Inlet, Outlet	2	6"	CL600RFBWN	SA105N	600 ANSI	-	UW16.1(e)	Shell
Equalize	1	2"	CL1500RFBWN	SA105N, SA105B	0.436"	-	UW16.1(a)	Shell
PSV, Bypass, PI	3	2"	CL600RFBWN	SA105N, SA105B	0.436"	-	UW16.1(a)	Shell
Single (2), TI	3	2"	CL600RFBWN	SA105N, SA105B	0.436"	-	UW16.1(a)	Shell
Bundle	2	2"	CL600RFBWN	SA105N, SA105B, SA234 WPB	0.436"	-	UW16.1(a)	Shell
Dump, Drain	2	3"	CL600RFBWN	SA105N	600 ANSI	-	UW16.1(a)	Shell

12. Supports: Skirt No Legs 2 Logs 2 Other n/a Attached Shell/Weld
 (Yes or No) (No.) (No.) (Describe) (Where and how)

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

Volume: 155.54 cu ft or 4.41 cu m Construction Drawing Card No. 30321-VESSEL Rev 0
 CA: 0.125"
 Category A & B Impact tested to UG84(c) remaining Impact Testing Exempt Per UG56(a)(b). Code Case 2235-3, 2235-4 Long Seam Only

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. 30634 expires 10/25 - 2004

Date: Oct 2002 Co. Name: BROMLEY MECHANICAL SERVICES (1985) LTD. Signed: [Signature]
 (Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by: BROMLEY MECHANICAL SERVICES (1985) LTD. at: 925-23 STREET S.W. MEDICINE HAT, ALBERTA, CANADA T1A 0R1

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 Boilers Safety Association have inspected the component described in this Manufacturer's Data Report on SEP. 24 2002 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: Oct 2002 Signed: [Signature] Commissions: ALTA 61181
 (Authorized Inspector) (National Board and endorsement State, Prov. and No.)