

66092432

A-520235 SN: 10251

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

A 520235

520241

1 Manufactured and certified by Crimtech Services Ltd. 8005 Edgar Industrial Ave. Red Deer, Alberta, T4P 3S2  
(Name and address of Manufacturer)

2 Manufactured for Crimtech Services Ltd. 8005 Edgar Industrial Ave. Red Deer, Alberta T4P 3S2  
(Name and address of Purchaser)

3 Location of Installation Crimtech Services Ltd. - Stock  
(Name and address)

4 Type VERTICAL SEPARATOR 10251-10257 P3515.231 VS-8145A-01 REV. 2 N/A 2005  
(Horiz or vert tank) (Mfr'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 2001  
Year

6 Shell: SA106-B 0.500" 0.0625" 0' 7.625" 1' 8"  
Mat'l (Spec No., Grade) (Nom Thk (in)) (Corr Allow (in)) (Diam I.D. (ft & in)) (Length (overall) (ft & in))

7 Seams: SMLS N/A 100% N/A N/A TYPE 1 \*SPOT  
Long (Welded, Dbl. 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 SA234 WPB (b) Mat'l SA234 WPB  
(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	0.4023"	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE
(b)	BOTTOM	0.4023"	0.0625"	N/A	N/A	2:1	N/A	N/A	N/A	CONCAVE

If removable, bolts used (describe other fastenings)

N/A

9 MAWP 1480 (Mat'l Spec No., Gr., Size, No.)  
Min design metal temp -20 °F at 1480 psi Hydro. pneu. or comb test pressure 100 °F  
HYDRO - 2220 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
INLET/INSP	1	2"	CPLG	SA105N	6000#	-	UW16.1(c)	SH/HD
OUTLET/INSP	1	2"	CPLG	SA105N	6000#	-	UW16.1(c)	SH/HD
LC/INSP	1	2"	CPLG	SA105N	6000#	-	UW16.1(c)	SHELL
DRAIN	1	1"	CPLG	SA105N	6000	-	UW16.1(c)	HEAD

11 Supports: Skirt YES Lugs N/A Legs N/A Other N/A Attached HEAD & WELDED  
(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 this report: N/A  
(Name of part, item number Mfr's name and identifying stamp)

SERVICE: SWEET

PSV ON PIPE AS PER UG-125

CONST. DRAWING NO.: 1006005-VS-01 Rev. 3

RADIOGRAPHY: BOTTOM HEAD - \*SPOT UW11(a)5(b), TOP HEAD - FULL UW14(b)

TESTING: CHARPY IMPACT TEST EXEMPT PER UG20(f) 1 - 5

CUBIC CAPACITY: 0.71 Cubic Feet

## 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. 32.207 expires November 15, 2006  
Date Jan 6, 2005 Co name CRIMTECH SERVICES LTD Signed [Signature]  
(Manufacturer) (Representative)

## CERTIFICATE OF SHOP INSPECTION

Vessel constructed by CRIMTECH SERVICES LTD. at RED DEER, ALBERTA, CANADA  
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 Jan 6, 2005, 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 Jan 6, 2005 Signed [Signature] Commissions AB 130 A13  
(Authorized Inspector) (Nat'l Board, (incl. endorsements) State, Prov. and No.)