

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

1. Manufactured and certified by **Opsco '92 Industries Ltd. 2601 Centre Avenue East, Calgary, Alberta, T2P 2L1**

2. Manufactured for **TARRAGON OIL & GAS LTD., 2500-550 4 AVE SW, CALGARY, AB.**

3. Location of installation **ALBERTA STOCK UNIT**

4. Type **VERT. SEPARATOR** **V-2656A4** **M1407.213** **V-93-1989-1009 R3** **1997**
(Horizontal or vert. tank) (Mfg's serial No.) (CRN) (Drawing No.) (Year)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSEL CODE. The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 **1995**
(Year)

6. Shell: **SA-106B** **1.031"** **.0625"** **13.94"** **7'-6"**
Addenda (date) (Spec. No. Grade) (Nominal Thk. (in.) (Corr. Allow. (in.) Diameter I.D. (ft. & in.) Special service per UG-120(d)

7. Seams: **SMLS** **N/A** **100%** **N/A** **N/A** **TYPE 1** **SPOT** **1**
Long (Weld Dbl Singl., Lap Butt) R.T. (Spot or Full) H.T. Temp (F) Time (hr) Girth (Welded Dbl., Singl., Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses

8. Heads: (a) Mat'l **SA-516-70N** (b) Mat'l **SA-516-70N**
(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	How Attached	Location
(a)	TOP	.921"	.0625"						WELDED	FLAT
(b)	BTM	.921"	.0625"						WELDED	FLAT

if removable, bolts used (describe other fasteners)

9. MAWP: **1480** **psi** at max. temp **100** **psi**
Min. Des. Met. Temp. **-20** **°F** at **1480** **psi** Hydro. **2220** **psi** test pressure

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diem. or Size	Type	Mat.	Thk.	Reinforcement Material	How Attached	Location
IN/OUT	2	2"	600#-RFMN	SA-106B	3/32"	INTEGRAL	WELDED	FLAT
WLG/HCLG/HLSO	3	2"	TOL	SA-106N	3000#	INTEGRAL	WELDED	FLAT
WD/NSP/FSV	2	1.5"	TOL	SA-106N	3000#	INTEGRAL	WELDED	FLAT
HCD/FSV	2	1"	TOL	SA-106N	3000#	INTEGRAL	WELDED	FLAT
LFMN	1	1"	NPT	SA-333-6	250"	INTEGRAL	WELDED	FLAT
WLG/TY/HCLG	5	.75"	TOL	SA-106N	3000#	INTEGRAL	WELDED	FLAT
FI	1	.5"	TOL	SA-106N	3000#	INTEGRAL	WELDED	FLAT

11. Supports: **SKIRT YES** **LAGS NO** **OTHER NO** **ATTACHED** **BTM HD & WELDED**
(Yes/no) (No) (No) (Describe)

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

Impact Testing: **EXEMPT AS PER UCS-66**

Tag No.: **V-100** Volume: **8.65 CU FT (245 CU M)**

(Name of part, item number, Mfg's name and identifying stamp)

Radiography per: **UW-11a5B**

CONST. DWG. NO.: **V-97-3555-1472 R2**

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. **21356** expires **July 21, 1998**

Date **July 31/97** Co. Name **Opsco '92 Industries Ltd.** Signed **[Signature]**

(Manufacturer)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by **Opsco '92 Industries Ltd.** at **CALGARY, ALBERTA, CANADA**

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 **ABSA, Alberta Boilers Safety Association**

have inspected the component described in the Manufacturer's Data Report on **31 JULY 1997** 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 **27 07 97** Signed **[Signature]** Commissioned **ALBERTA**

(Authorized Inspector)

Commissioned

(Name of Inspector, State, Province, and No.)