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**FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**  
 (Alternative Form for Single Chamber, Completely Shop Fabricated - Vessel Only) **A2956677**  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by ENERFLEX SYSTEMS LTD. 7720 - 48 STREET S.E. CALGARY, ALBERTA, CANADA T2C 2V6  
 (Name and address of manufacturer)

2. Manufactured for Amoco Canada Petroleum Ltd. c/o Quest, An Alliance Corporation, #5, 702 - 2 St. S.W., Calgary, AB T2R 2W1  
 (Name and address of purchaser)

3. Location of installation ISLAND LAKE 10-19-66-24-W4M  
 (Name and address)

4. Type STG. 3 SCRUBBER 93113-03 K-8018.2 VE93113C REV. 2 N/A 1994  
 (Horizontal or vert tank) (Mfg's serial No) (CRN) (Drawing No) (Nat'l Bd No) (Year)

5. The chemical and physical properties of all parts meet the requirements of material specification of the ASME BOILER AND PRESSURE VESSELS CODE.  
 The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1992  
 (Year)

to 1992  
 Addenda (date) N/A Code Case No N/A Special service per UG-120(d) N/A

6. Shell SA-106-B .656" .125" 16" 8'3-9/32"  
 Material (Spec No, Grade) Nominal Thk Corr Allow Diameter (I.D.) Length (overall)

7. Seams SMLS N/A 100% 1150°F 1 HR. W.S.B. FULL 1  
 Long (Weld Dbl Singl Lap Butt) RT (Spot or Full) Effy (%) HT Temp (F) Time (hr) Girth (Welded Dbl, Singl Lap Butt) RT (Spot, Partial or Full) No. of Courses

8. Heads (a) Mat'l SA516-70N (b) Mat'l 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 Pres (Conc/Conv)
(a)	TOP	.688"	.125"			2:1 SE				CONCAVE
(b)	BOTTOM	.688"	.125"			2:1 SE				CONCAVE

if removable, bolts used (describe other fasteners) \_\_\_\_\_  
 (Material Specification No Gr. Size, No)

9. MAWP 850PSIG at max temp 300°F  
 Min Des Met Temp -20°F at 850PSIG Hydro, pneu. or comb test pressure 1275PSIG

10. Nozzles, inspection and safety valve openings

Purpose (Inlet, Outlet, ...)	No	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
INLET	1	3"	RFWN	SA-106-B	.600"		WELDED	SHELL
OUTLET	1	3"	RFWN	SA-106-B	.600"		WELDED	SHELL
LEVEL SENSOR	1	2"	TOL	SA-105N	6000#		WELDED	SHELL
LEVEL CONT.	1	2"	TOL	SA-105N	6000#		WELDED	SHELL
AUTO DUMP	1	1"	TOL	SA-105N	6000#		WELDED	SHELL
BOTTOM DRAIN	1	1-1/2"	NPTM	SA-106-B	.400"		WELDED	HEAD
LEVEL GAUGE	2	3/4"	TOL	SA-105N	6000#		WELDED	SHELL
INSP/CLNOUT	2	2"	TOL	SA-105N	6000#		WELDED	HEAD/SHELL

11. Supports Skirt YES Lugs N/A Leg N/A Other N/A Attached WELDED TO BOTTOM HEAD  
 Yes/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 the report  
 (Name of part, item number Mfg's name and identifying stamp)

**SERVICE: SOUR GAS**  
**CUBIC CAPACITY: 8 CUBIC FEET**  
**TESTING: NO CHARPY IMPACT TEST REQUIRED PER UG-20(f) 1 THROUGH 5**

**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 16744 expires JUNE 19, 1996  
 Date MAY 17/94 Co Name ENERFLEX SYSTEMS LTD. Signed \_\_\_\_\_ (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by ENERFLEX SYSTEMS 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 ALBERTA LABOUR, BOILER AND PRESSURE VESSEL SAFETY  
 have inspected the component described in the Manufacturer's Data Report Wlog 25 1994 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 94-05-25 Signed \_\_\_\_\_ Commission ALBERTA #41  
 (Authorized Inspector) (Nat'l B'd (incl endorsements), State, Prov and No)