

**FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS**

(Alternative Form for Single Chamber, Completely Shop or Field Fabricated Vessels Only) **0491894**  
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by Opisco Energy Industries Ltd., 2601 Centre Ave East, Calgary, AB T2A 2L1  
 (Name and address of manufacturer)

2. Manufactured for Anadarko Canada Ltd., 425 - 1st St. S.W., Box 2595 STN. M, Calgary, AB T2P 4V4  
 (Name and address of purchaser)

3. Location of installation Stock Unit

4. Type Vert. Absorber (Name and address) 02-3854-1 (Drawing No.) F-03-3854-2349 R2 (Part No.) N/A (Year built) 2003  
 (Horn or vent tank) (Mfg's serial No.) (U.S.A.)

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

to 2002 (Addenda (date)) N/A (Special service per UG-1.70(d))

6. Shell: S4-516-70 N (Mater'l Spec. No. Grade) 1.375" (Nominal Thk (in.)) 125" (Diam ID (ft. & in.)) 26'-0" (Length (overall) (ft. & in.))  
 Type I Full 100% Eff (%) 1150 H T Temp (F) 1.5 Time (hr) 1.5  
 Long (Welded Ebl. Sngl. Lap. Butt) R T (Spot or Full) Eff (%) 1150 H T Temp (F) 1.5 Time (hr) 1.5  
 \*Full

7. Seams: 2002 (Year)

8. Heads: (a) Mater'l S4-516-70 N (Spec. No. Grade) (b) Mater'l S4-516-70 N (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 Flare (Con. c/c m)
(a) Both Ends	1.4375"	0.125"			2.1				CONCERN
(b)									

9. MAWP 1410 psi at max. temp 1410 psi at 1410 °F at 1410 psi  
 (Mater'l Spec. No., Gr., Size, No.) 150F

10. Nozzles, inspection and safety valve openings: 1410 psi at max. temp 1410 psi  
 Min. Design Metal Temp. 1410 °F at 1410 psi  
 Hydro. pneu. or comb. test 2115 psi

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Material	Reinforcement Mat'l	How Attached	Location
Inlet/Outlet/Insp.	2	6"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	Head
H2O Dump/LSH/Insp.	2	3"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	Shell
H2O LC/HCLC	2	2"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	
Drain/PSY	2	2"	CI 600 RFLWN	S4-100B S4-234W/PB S4-105N	Integral	Fig. UW-16.1(c)	
RT Acc/Equaliser/Insp	12	2"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	
Temp. Ind./HC Dump	2	1"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	
Lean, Rich, Glycol	2	1"	CI 600 RFLWN	S4-333-Gr. 6/S4-105N	Integral	Fig. UW-16.1(c)	
HEC/HECO	2	1"	CI 600 RFLWN	S4-333-Gr. 6/S4-105N	Integral	Fig. UW-16.1(c)	
H2O LC/GLYLG/H2O/LG	6	0.75"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	
Pressure Ind.	1	0.5"	CI 600 RFLWN	S4-105 N	Integral	Fig. UW-16.1(c)	

11. Supports: Skirt YES Lugs YES Other YES  
 (Resonant) (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: Attached (Where and how)

Impact Testing: \*\*Exempt as per UCS-66(a&b) and UG-20(f)(1-5) (Name of part, item number, Mfg's name and identifying stamp)  
 Radiography per: 193.29 Cu.Ft (3.47 Cu. M) \* As per UW-11(a) and UW-51

Tag No.: V-200 Volume: 193.29 Cu.Ft (3.47 Cu. M)

A No: CONSTRUCTION DWG. NO.: F-03-3854-2349 R3

**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, 2004

Date: April 23, 2003 Co. Name Opisco Energy Industries Ltd. Signed [Signature] (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by Opisco Energy 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 I 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 April 23/03 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 April 23, 2003 Signed [Signature] (Authorized Inspector) Alberta 175 (Midd/yyyy) (National Board/endorsements), State, Prov and No.)