

A0491800- ABSORBER DATA REPORT- FEB 2003

1060-04

Canadian Natural Resources Limited  
Production - Facilities Engineering  
A0491800 Vertical Absorber Manufacturers Data  
Report

Content Date Range: 2/11/2003 to 2/11/2003

Vessel Integrity

Inspection Data

Open: 1/24/2007 Close:

CC+2 0P P



00759038

Vital: Yes  
Original: Yes  
Confidential: No

FB 592

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

491800

1. Manufactured and certified by Opsco Energy Industries Ltd., 2601 Centre Ave East, Calgary, AB T2A 2L1
2. Manufactured for Anadarko Canada Ltd. 425 - 1st St. S.W., Box 2595 STN. M Calgary, AB T2P 4V4
3. Location of installation Prespatou B.C. LSD:b-A-16-E/94-H-7
4. Type Vert., Absorber 02-3812-1 L9722.21 SN-VAB-C R.P.Q N/A 2003

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 2001

6. Shell: SA-516-70 N 1" 0.125" 1'-10" 26'-0"
7. Seams: Type 1 Full 100% 1150 1 Type 1 \*Full 3

Table with 10 columns: Location (Top Bottom, Ends), Minimum Thickness, Corrosion Allowance, Crown Radius, Knuckle Radius, Elliptical Ratio, Conical Apex Angle, Hemispherical Radius, Flat Diameter, Side to Pres (Con c/Co nv). Row (a) Top Bottom .9375" 0.125" 2:1 Concave

9. MAWP 1410 psi at max. temp 150 °F
Min. Design Metal Temp. \*\*20 °F at 1410 Psi Hydro. pneu. or comb. test 2115 psi

Table with 9 columns: Purpose (Inlet, Outlet, Drain), No., Diam. or Size, Type, Matl., Nom. Thk., Reinforcement, How Attached, Location. Rows include Inlet, Outlet/INSP, WD/Insp, WLC, WLG/GLG, Pressure Ind., Temp. Ind., Drain/RTA/TI/SPARES, PSV, LSHH, LGI/RGO/HE.

11. Supports: Skirt YES Lugs YES Legs YES Other YES Attached YES Btm Head Welded YES

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(a) and UG-20(f)[1-5] Radiography per: \* As per UW-11(a) and UW-51

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. 21,356 expires July 21, 2004

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Opsco 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 02/11/03, 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.

CERTIFIED BY  
**Opso** ENERGY  
INDUSTRIES LTD.

CALGARY, ALBERTA, CAN.

M.A.W.P. 1410 P.S.I. AT 150 °F

M.D.M.T. -20 °F AT 1410 P.S.I.

SERIAL #02-3812-1 YEAR BUILT 2003

C.R.N. L9722.21 TAG # V-301

VESEL TYPE: ABSORBER C.A. 125"

SH. WT.: 1.00

HD. WT.: .9375 MIN.

PROV. REG. (A)