

**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

**ATSON**  
Form U-1A

1. Manufactured and certified by **Nusco Manufacturing & Supply Ltd. 1604 - 8th Street, Nisku, Alberta, Canada T9E 7S6**  
(Name and address of Manufacturer)  
2. Manufactured for **BP Canada Energy Company 240 - 4th Avenue S.W. P.O. Box 200, Calgary, Alberta T2P 2H8**  
(Name and address of Purchaser)

3. Location of Installation **Stock**  
(Name and address)

4. Type **Horiz. Slug Catcher** **004548- 50** **L-3956 2** **D0899 - 200 Rev. 1** **2001**  
(Horiz. or vert. tank) (Mfg'r'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 **1998**  
to **2000** **N/A** **N/A** (Year)

6. Shell: **SA-516-70N** **2.00"** **0.0625"** **48" O.D.** **20' - 0"**  
Mat'l. (Spec. No., Grade) Norm. Thk. (in.) Corr. Allow. (in.) Diam ID (ft. & in.) Length (overall) (ft. & in.)  
7. Seams: **Type - 1** **RT - 1 Full** **100%** **1150** **2.0** **Type - 1** **RT - 1 Full** **2**  
Long. (Welded, Dbl., Sngl., Lap, Butt) RT (Spot or Full) Eff. (%) H.T. Temp. (°F.) Time (hr.) Girth (Welded, Dbl., Sngl., Lap, Butt) RT (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 Flat Diameter Side to Pressure (Convex or Concave)  
(a) End 1.9375" 0.0625" - - 2:1 - - Concave  
(b) End 1.9375" 0.0625" - - 2:1 - - Concave

If removable, bolts used (describe other fastenings) **N/A**  
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP **1440** psi at max. temp. **100** °F  
Min. design metal temp. **0** °F at **1440** psi. Hydro., Pneu., or Comb. test pressure **2160** ps.

10. Nozzles, inspection and safety valve openings:  
Purpose (Inlet, Outlet, Drain) No. Diam or Size Type Material Nom. Thickness Reinforcement Material How Attached Location  
**SEE U4 FORM**

11. Supports: Skirt - Lugs **2** Legs - Other Saddles Attached Welded to Shell (Where and how)  
(yes or 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: **N/A**

(Name of part, item number, Mfg'r's. name and identifying stamp)  
Vessel is impact test exempt per UG 20 (f) & UCS - 66(a) Radiography in accordance with UW-11(a)  
Capacity- 228 Cu. Ft. Hydrotested- Horizontally  
Customers responsibility to install adequate pressure relief valve Construction Draw.: D1215-200 Rev. 0

**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. **24,776**  
expires March **27, 2002**, 19

Date: **JUL 17 2001** Co. Name: **Nusco Manufacturing & Supply Ltd.** Signed **[Signature]**  
(Manufacturer) (Representative)

**CERTIFICATE OF SHOP INSPECTION**

Vessel constructed by **Nusco Manufacturing & Supply Ltd. 1604-8th St. T9E 7S6** at **Nisku, Alta. 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 Boilers Safety Association** have inspected the component described in this Manufacturer's Data Report on **JUL 17 2001** 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: **JUL 17 2001** Signed **[Signature]** Commissions **AB-132**  
(Authorized Inspector) (National Board (Incl. endorsements, State, Prov. and No.))

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FORM U-4 MANUFACTURER'S DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

Form U-4

- 1. Manufactured and certified by Nusco Manufacturing & Supply Ltd. 1604 - 8th Street, Nisku, Alberta, Canada T9E 7S6
2. Manufactured for BP Canada Energy Company 240 - 4th Avenue S.W. P.O. Box 200, Calgary, Alberta T2P 2H8
3. Location of installation Stock
4. Type Horizontal Slug Catcher 004548- 50

Data Report Item Number 10
L-3956.2 (CRN)
D0899 - 200 Rev. 1 (Drawing No.)
- (Nat'l. Bd. No.)
2001 (Year built)

Remarks
NOZZLES, INSPECTION AND SAFETY VALVE OPENINGS:

Table with 9 columns: Purpose (Inlet, Outlet, Drain), No., Diameter, Type, Material, Nom. Thickness, Reinforcement Material, How Attached, Location. Rows include N1 Inlet, N2 Gas Outlet, N3 Liquid Outlet, N4 PSV, N5 LSH, C1 A/B LC, C2 PI, C3 TI, C4 A/B LG, C5 Equalization, M1 Manway.

Construction Drawing # D1215-200 Rev. 0

Certificate of Authorization: Type U No. 24,776 Expires March 27, 2002 19
Date JUL 17 2001 Name Nusco Manufacturing & Supply Ltd Signed [Signature] (Manufacturer)
Date JUL 17 2001 Name [Signature] Commission AB #132 (Authorized Inspector) (Nat'l Board incl endorsement State, Province and No.)