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FORM U-1 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

(A) 2827650 Feb 10/93

1. Manufactured and certified by Nusco Pipe & Supply Ltd. 1604 - 8th Street Nisku, Alberta T0C 2G0 (Name and address of manufacturer)

2. Manufactured for Stock (Name and address of purchaser)

3. Location of installation Stock (Name and address)

4. Type Vertical Separator 5310-V02 H8724.2 STD-003 Rev 2 -- 1993 (Horiz or vert, tank) (Mfg'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. Year 1992

to Addenda (Date) N/A Code Case Nos. N/A Special Service per UG 120(d) N/A

6. Shell: SA516-70N 1" ---- 23" ID. 5'S.S. (Mat'l. (Spec. No., Grade)) (Nom. Thk. (in.)) (Corr. Allow. (in.)) (Diam. I.D. (ft. & in.)) (Length (overall) (ft. & in.))

7. Seams: Weld, Sngl, Butt Full RT2 100% ---- ---- Weld, Sngl, Butt Full RT2 1 (Long (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot or Full)) (E.H. (%)) (H.T. Temp. (°F)) (Time (hr)) (Girth (Welded, Dbl., Sngl., Lap, Butt)) (R.T. (Spot, Partial, or Full)) (No. of Courses or Full))

8. Heads: (a) Mat'l. SA-516-70N (Spec. No., Grade) (b) Mat'l. SA-516-70N (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)	Top	.964"	----	--	--	2:1	--	--	--	Concave
(b)	Bottom	.964"	----	--	--	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. -20 °F at 1440 psi Hydro., pneu., or comb. test pressure 2160 psi

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, Outlet, Drain)	No	Diam or Size	Type	Mat'l	Nom Thk	Reinforcement Mat'l	How Attached	Location
See Attached								
U4 Form								

11. Supports: Skirt Yes (Yes or no) Lugs -- (No) Legs -- (No) Other ---- (Describe) Attached Welded to Head (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. N/A (Name of part, item number, Mfg's name and identifying stamp)

- Hydrotested Horizontally
- Capacity 15.7 cu.ft.
- No impact testing required in accordance with UG 20(f), UCS-66

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. 24776 expires 04/24, 1993. Date 2/10/93 Co. name Nusco Pipe & Supply Ltd. (Manufacturer) Signed [Signature] (Representative)

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by Nusco Pipe & Supply Ltd. at 1604 - 8th Street Nisku, Alberta T0C 2G0

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 Boiler's Branch have inspected the component described in this Manufacturer's Data Report on FEB 10, 1993, 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 certificate.

Date FEB 10 1993 Signed [Signature] (Authorized Inspector) Commissions Alberta (Nat'l Board (inc. endorsements), State, Prov. and No.)

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

Ⓐ 2827650

1. Manufactured and certified by Nusco Pipe & Supply Ltd. 1604-8th Street Nisku, Alberta T0C 2G0
(Name and address of manufacturer)
2. Manufactured for Stock
(Name and address of purchaser)
3. Location of Installation Stock
(Name and address)
4. Type Vertical Separator 5310-V02 H8724.2 STD.003 Rev 2 --- 1993
(Horiz., vert., tank, etc.) (Mfg'r. serial No.) (CRN) (Dwg) (Mat'l. Bd. No.) (Year built)

Date Report
Item Number

Remarks

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NOZZLES, INSPECTION AND SAFETY VALVE OPENINGS:

PURPOSE	NO.	DIA.	TYPE	MAT'L	NOM THICK	REIN MAT'L	ATTACH LOCATION
C1 Inlet	1	2"	CPLG.	SA105	3000#	----	Weld to Shell
C2 Gas Out	1	2"	CPLG.	SA105	3000#	----	Weld to Top Head
C3 Liquid Out	1	2"	CPLG.	SA105	3000#	----	Weld to Shell
C4 Drain	1	2"	Pipe	SA106-B	XH	----	Weld to Bottom Head
C5 PSV/Insp.	1	2"	CPLG.	SA105	3000#	----	Weld to Top Head
C6 TI	1	3/4"	CPLG.	SA105	6000#	----	Weld to Shell
C7 PI	1	1/2"	CPLG.	SA105	6000#	----	Weld to Shell
C8 Level Gauge	2	3/4"	CPLC.	SA105	6000#	----	Weld to Shell
C9 HLSD/Insp.	1	2"	CPLG.	SA105	3000#	----	Weld to Shell
C10 LC/ Insp.	1	2"	CPLG.	SA105	3000#	----	Weld to Shell

Date 2/10/93 Co. name Nusco Pipe & Supply Ltd. Signed [Signature]
(Date) (Manufacturer) (Reproductive)

Date Feb 10/93 Signed [Signature] Commissions Alberta
(Date) (Authorized Inspector) (Reg. Board Incl. endorsements, State, Prov., and No.)