

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS  
(Alternative Form for Single Chamber, Completely Shop-Fabricated Vessel Only) (A) 434090  
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by: NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, ALBERTA  
2. Manufactured For: GULF CANADA RESOURCES 401-9 AVE SW CALGARY, ALBERTA

3. Location of Installation: STOCK  
4. Type: VERTICAL (Horizontal or Vert. Tank) M-9281.2 (Mfg's Serial No) D-6524-03 Rev0 (Drawing No.) ---- (Nat'l Bd. No.) 1997 (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, 1995 (Year)

10. 195 Address (Date) N/A Code Case No. N/A Special Service Per UG-120(d)  
6. Shell: SA 516-70N (Mat'l. Spec. No. Grade) 1.125 (Nom. Thick (in)) 1' 9 3/4" (Nom. I.D. (ft. & in.)) 28' 0" S/S (Length (overall) (ft. & in.))  
7. Seams: TYPE 1 (Long/Welded, Dbl. Singl. Lap Butt) FULL (R.T./Spot or Full) 100% (EPR%) 1.150 (H.L./Temp F) TYPE 1 (Single/Double) FULL (Partial/Full) 3 (# Courses)  
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	Hemispheric Radius	Flat Diameter	Side or Pressure (Convex or Concave)
(a)	TOP	1.075	.125			2:1				CONCAVE
(b)	BOTTOM	1.071	.125			2:1				CONCAVE

If removable, bolts used (describe other fastenings):

9. MAWP 1440 psi at max. Temp., 129 °E  
Min. design metal temperature -20 °F at 1440 psi. Hydro test pressure 2160 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No.	Diam. or Size	Type	Material	Nom. Thick.	Reinforcement Matl.	How Attached	Location
SEE ATTACHED U-4 FORM								

11 Supports: Skirt YES (Yes or No) NO Legs NO (Yes) Other N/A (Describe) Attached BTM-HD WELDED (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:

VERTICAL 3-PHASE CONTACTOR (Manufacturer)  
IMPACT TEST EXEMPT PER UCS-66(a) (Where and How)  
VOLUME: 74.7 CU/FT  
FAB DRG #: D-6844-03

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. 11313 expires Sept. 9, 1998

Date: June 9/97 (Date) (Signature) [Signature] (Where and How) NATCO CANADA LTD. (Manufacturer) Signed [Signature] (Representative)

Vessel constructed by NATCO CANADA LTD. AT CALGARY, ALBERTA. I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of ALBERTA and employed by ALBERTA BOILERS SAFETY ASSOCIATION have inspected the component described in this Manufacturer's Data Report on Page 9 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 these 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: June 9, 1997 (Date) (Signature) [Signature] (Where and How) ALBERTA (State) # 11 (Commission No.)  
(Name and Address of Purchaser) NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, ALBERTA

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

434090

1. Manufactured and Certified by Nateco Canada Ltd., 9423 Sheppard Rd. S.E., Calgary, AB, T2C 1E2  
 2. Manufactured for GULF CANADA RESOURCES  
 3. Location of Installation STOCK

4. Type VERTICAL CONTACTOR 6844-03A  
 (Tank, Separator, Heat Exch., etc.) 6844-03A  
 (Mfg. serial No.)

M-998L2 D-6524-03 REV1 1997  
 (CRN) (Drawg.#) (Part Id. No.) (Year built)

Data Report Item Number		Remarks										Attached
Purpose	No.	Size	Type	Mat'l	Thickness	Reinf. Mat	How	Where				
GAS INLET	N1	4	RELWN	SA 105N	1.00	--	WELD	SHELL				
GAS OUTLET	N2	4	RELWN	SA 105N	1.00	--	WELD	TOP HD				
WATER OUT	C1	1	TOL	SA 105	--	--	WELD	SHELL				
CONDENSATE OUT	C2	1	TOL	SA 105	--	--	WELD	SHELL				
GLYCOL INLET	C3	1	CPLG	SA 105	--	--	WELD	SHELL				
GLYCOL OUTLET	C4	1	TOL	SA 105	--	--	WELD	SHELL				
PI	C5	3/4	TOL	SA 105	--	--	WELD	SHELL				
WATER LEVEL GAUGE	C6	3/4	TOL	SA 105	--	--	WELD	SHELL				
WATER LEVEL GAUGE	C7	3/4	TOL	SA 105	--	--	WELD	SHELL				
HTG. COIL IN	C8	1	CPLG	SA 105	--	--	WELD	SHELL				
HTG. COIL OUT	C9	1	CPLG	SA 105	--	--	WELD	SHELL				
INSP. OPENING	C10	2	TOL	SA 105	--	--	WELD	TOP HD				
TEMP. INDICATOR	C11	3/4	TOL	SA 105	--	--	WELD	SHELL				
LLC COND.	C12	2	TOL	SA 105	--	--	WELD	SHELL				
COND. LEVEL GAUGE	C13	3/4	TOL	SA 105	--	--	WELD	SHELL				
COND. LEVEL GAUGE	C14	3/4	TOL	SA 105	--	--	WELD	SHELL				
TRAY DRAIN	C15A-1	3/4	TOL	SA 105	--	--	WELD	SHELL				
RELIEF	C16	1 1/2	TOL	SA 105	--	--	WELD	SHELL				
LLC WATER	C17	2	TOL	SA 105	--	--	WELD	SHELL				
INSP. OPENING	C18	2	TOL	SA 105	--	--	WELD	SHELL				
DRAIN	C19	1 1/2	PIPE	SA 106B	0.400	--	WELD	BTM HD				
HUSD	C20	2	CPLG	SA 105	--	--	WELD	SHELL				

Certificate of Authorization: Type "U" No. 11313 Expires Sept. 9, 1998.

Date June 9/97 Name Nateco Canada Ltd. Signed [Signature]  
 (Manufacturer) (Representative)

Date June 9, 97 Name [Signature] Commission ALBERTA #11  
 (Authorized Inspector) (Natl. Board (incl. endorsements), State, Province and No.)

Shop Order #: 6844