

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

(Alternative Form For Single Chamber, Completely Shop Fabricated Vessels Only)

As Required The Provisions Of the ASME Code Rules, Section VIII, Division 1

- 0198
1. Manufactured and Certified By Natco Canada Ltd. 9423 Shepard Rd. S.E. Calgary AB.
(Name and address of manufacturer)
2. Manufactured For CHEVRON CANADA RESOURCES 500 - 5 AVE SW CALGARY, ALBERTA
(Name and address of purchaser)
3. Location of Installation LSD: 11-22-49-12 WSM
(Name and address)
4. Type VERTICAL LM-2892 M-1187.2 C-6036-49 REVO --- 1994
(Vess. Vess. Tank) (Mfg's serial no.) (CRN) (DRWG. 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 1992
to 1992 --- ---
(year)
6. Shell: SA 106B .375 .125 1' 3 1/4" 3' 6" S/S
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (Overall) (ft. & in.)
7. Seams: N/A N/A 100% 1150 30 MIN SNG-V-BUTT FULL 1
Long (Welded, Sbl. R.T. (Spot or Pull) Aff. (%) H.T. Temp. (°F) Time (hr.) Sbl. (Welded, Sbl. R.T. (Spot, Partial Eng'l., Lap, Butt) Loc Pull) No. of Courses
8. Heads (a) Mat'l. SA 105N (b) Mat'l. SA 234 WPB
Mat'l. (Spec. No., Grade) Mat'l. (Spec. No., Grade)

Location (Top Bottom, Head)	Minimum Thickness	Corrosion Allowance	Crown Radius	Elliptical Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) TOP	1.437	.125		1500	BLIND	PLANO		1' 11 1/2"	FLAT
(b) BOT	.375	.125		BLD	CR				CONCAVE

If removable, bolts used (describe other fastenings) 16, 1" DIA. x 5 1/2" LG STUDS c/w NUTS SA-193-B7/194-2H
(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 260 psi at max. temp 200 °F
Min. design metal temp. -20 °F at 260 psi Hydro., pneum., or comb. test pressure 390 psi
10. Nozzles, inspection and safety valve openings:

Process (Inlet, Outlet, Drain)	No.	Size or Size	Type	Mat'l.	Thk.	Reinforcement Mat'l.	Key Attached	Location
SEE ATTACHED U-1 FORM								

11. Supports: Skirt NO Lugs NO Legs 4 Other N/A Attached BTM-HD-WELDED
(Yes or No) (No.) (No.) (Describe) (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: ---
(Name of part, item number, Mfg's. name and identifying stamp)

CHARCOAL FILTER VOLUME 4.8 CU/FT
IMPACT TESTING NOT REQUIRED, EXEMPT PER UG-20f
FAB DWG #: C-6083-53

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. 11313 expires Sept. 9, 1995.
Date May 11/94 Co. Name NATCO CANADA LTD. SIGNED [Signature]
(Manufacturer) (Representative)

CERTIFICATE OF SHOP INSPECTION

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 or Province of ALBERTA and employed by GOVERNMENT OF ALBERTA
have inspected the component described in this Manufacturer's Data Report on May 11, 1994, 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 May 11, 94 Signed [Signature] Commissions ALBERTA #11
(Authorized Inspector) (Nat'l Board (incl. endorsement), State, Prov. and No.)

As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

(A) 2955889

2. Manufactured For CHEVRON CANADA RESOURCES
(Name and address of purchaser)

3. Location of Installation LSD: 11-22-49-12 W5M

4. Type VERTICAL FILTER LM-2892
(Box, Part. or Sphere) (Tank, Separator, Heat exch., etc.) (Mfg's. serial No.)
M-1187.2 C-6036-49 REVO --- 1994
(CND) (Spec.) (Est.'l. Mfg. no.) (Year built)

Data Report
Item Number

Remarks

Attached

[illegible]

Date May 11/94 Name Natco Canada Ltd. Signed [Signature]
(Manufacturer) (Representative)

Date May 11, 94 Name [Signature] Commission ALBERTA #11
(Authorized Inspector) (Bak. Board (incl. underseamers), State, Province and No.)

Shop Order: 6083-53