

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

(A) 2955872

- Manufactured and Certified By Natco Canada Ltd. 9423 Shepard Rd. S.E. Calgary AB.
(Name and address of manufacturer)
- Manufactured For CHEVRON CANADA RESOURCES 500 - 5 AVE SW CALGARY, ALBERTA
(Name and address of purchaser)
- Location of Installation LSD: 11-22-49-12 W5M
(Name and address)
- Type HORIZONTAL LM-2891 M-3065.2 D-6083-51 REV C --- 1994
(Horiz. Vert. Tank) (Mfr's serial no.) (CRN) (DWG. No.) (Matl. Id. No.) (Year Built)
- The chemical and physical properties of all parts meet the requirements of material specifications of the ASME SECTION VIII DIVISION 1
The design, construction, and workmanship conform to ASME Rules, Section VIII, Division 1 1992
(year)
- Shell: SA 516-70N .375 .125 2' 6" 12' 6" S/S
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. 6 in.) Length (Overall) (ft. 6 in.)
- Seams: DBL-V-BUTT FULL 100% 1150 30 MIN DBL-V-BUTT FULL 2
Long (Welded, Sbl. R.T. (Spot or Roll) Sbl. (S) S.T. Temp. (°F) Time (hr.) Sbl. (Welded, Sbl. R.T. (Spot, Partial Sbl. Lap, Butt) or Full) No. of Courses
- Heads (a) Matl. SA 516-70N (b) Matl. SA 516-70N
Matl. (Spec. No., Grade) Matl. (Spec. No., Grade)

Location (Top Bottom, Ends)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Geospherical Radius	Flat Diameter	Side to Pressure (Convex or Concave)
(a) S/S	.484	.125			2:1				CONCAVE
(b) S/S	.484	.125			2:1				CONCAVE

If removable, bolts used (describe other fastenings) ---

(Matl., Spec. No., Cr., Size, No.)

- MWP 175 psi at max. temp 446 °F
Min. design metal temp. -20 °F at 175 psi Hydro., prev., or comp. test pressure 263 psi
- Nozzles, inspection and safety valve openings:

Process (Inlet, Outlet, Drain)	No.	Size or Flare	Type	Matl.	Tag No.	Reinforcement Matl.	How Attached	Location
SEE ATTACHED U-4 FORM								

- Supports: Skirt NO Lugs NO Legs NO Other SADDLES - 2 Attached SHELL-WELDED
(Yes or No) (No.) (No.) (Describe) (Where and how)
- 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, Mfr's. name and identifying stamp)

AMINE FLASH TANK VOLUME 79 CU/FT
IMPACT TESTING NOT REQUIRED, EXEMPT PER UCS-66a
FAB DWG #: D-6083-51 TAG #: V-4050

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, 1994 Signed [Signature] Commissions ALBERTA 11
(Authorized Inspector) (Nat'l Board (Incl. endorsement), State, Prov. and No.)

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4. Type HORIZONTAL TANK LM-2891
(Rozn, Vert. or Sphero) (Yant, Separator, heat exch., etc.) (Mfg's. serial No.)

M-3065.2 D-6083-51 REV0 --- 1994
(CRN) (Dwg.#) (Est'l Ed us.) (Year built)

[illegible]

Certificate of Authorization: Type "U" No. 11,313 Expires Sept., 9 /, 1995.

Date May 11/94 Name Natco Canada Ltd. Signed B. Hirst
(Name) (Representative)

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

Shop Order: 6083-51