

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) 2972134

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 T2P 0L7
(Name and address of purchaser)

3. Location of Installation LSD: 11-22-49-12 W5M
(Name and address)

4. Type VERTICAL LM-2890 M-3064.2 D-6083-50 REVO --- 1994
(Vess. Vert. Tank) (Mfr's serial no.) (CRN) (BRNG. No.) (Mati. 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 --- ---
Addenda (Date) Code Case Nos. Special Services per UG-120(d)

6. Shell: SA 516-70N .375 .125 2' 6" 53' 10 1/2"
Mati. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. in.) Length (Overall) (ft. in.)

7. Seams: DBL-V-BUTT FULL 100% 1150 30 MIN DBL-V-BUTT FULL 6
Long (Welded, Sbl. R.T. (Spot or Full) R.T. Temp. (°F) Time (hr.) Circ (Welded, Sbl. R.T. (Spot, Partial Sngl., Lap, Butt) or Full) No. of Courses

8. Heads (a) SA 516-70N (b) SA 516-70N
Mati. (Spec. No., Grade) Mati. (Spec. No., Grade)

Location (Top Bottom, Head)	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Semispherical Radius	Flat Diameter	Ride to Pressure (Convex or Concave)
(a) TOP	.484	.125			2:1				CONCAVE
(b) BTM	.484	.125			2:1				CONCAVE

If removable, bolts used (describe other fastenings) ---
(Mati., Spec. No., Gr., Size, No.)

9. MAWP 127 psi at max. temp 600 °F
Min. design metal temp. -20 °F at 127 psi Hydro., pneu., or comb. test pressure 90.5 psi

10. Nozzles, inspection and safety valve openings:

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

11. Supports: Skirt YES Lugs 2 Legs NO Other N/A Attached BTM-TOPHD-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, Mfr's. name and identifying stamp)

REFLUX ACCUMULATOR VOLUME 268 CU/FT
IMPACT TESTING NOT REQUIRED, EXEMPT PER UCS-66c
FAB DWG #: D-6083-50 TAG #: V-4300/4350

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. 11213 expires Sept. 9, 1995.
Date May 17/94 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 17, 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 17, 94 Signed [Signature] Commissions ALBERTA ACA #1
(Authorized Inspector) (Nat'l Board (incl. endorsement), State, Prov. and No.)

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4. Type	<u>VERTICAL</u> (Doris, Vert. or Spoke)	<u>ACCUMULATOR</u> (Tank, Separator, heat exch., etc.)	<u>LM-2890</u> (Mfg's. serial No.)
<u>M-3064.2</u> (CMB)	<u>D-6083-50 REV0</u> (Rev.)	<u>---</u> (Est'd Rd no.)	<u>1994</u> (Year built)

Attached

Shop Order: 6083-50