

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 483171

1. Manufactured and certified by: NATCO CANADA LTD. 9423 SHEPARD RD. SE CALGARY, AB T2H 1X6
(Name and address of manufacturer)
2. Manufactured for: EXXON/MOBIL c/o BANYAN ENG. LTD. 237 4 AVE SW CALGARY, AB
(Name and address of purchaser)
3. Location of installation: LSD: 6-22-57-20 W5M
(Name and address)
4. Type: HORIZONTAL 7751-03 P8150.2 RD-7751-03 Rev0 2002
(Horiz. or Vert. Tank) (Mfr.'s Serial No.) (CRN) (Dwg. 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 1998
Year
 to GO N/A N/A
Addenda (Date) Code Case Nos. Special Service per UG-120(d)
6. Shell SA 516-70N 2.25" 0.125" 4' 6" 16' 0" S/S
Mat'l. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft & in.) Length (overall) (ft & in.)
7. Seams TYPE 1 FULL 100% 1150°F 2.25 Hr
Long (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr)
TYPE 1 FULL 2
Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial or Full) No. of Courses

	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)	END	2.25	0.125			2:1				CONCAVE
b)	END	2.25	0.125			2:1				CONCAVE

If removable, bolts used (describe other fastenings)

(Mat'l., Spec. No., Gr., Size, No.)

9. MAWP 1480 psi at max. temp. 100 °F
 Min. design metal temp. -20 °F at 1480 psi. Hydro., pneu., or comb. test pressure 1924 psi.
10. Nozzles, inspection and safety valve openings:
- | Purpose (Inlet, Outlet, Drain) | No. | Diam. or Size | Type | Mat'l. | Nom. Thk. | Reinforcement Material | How Attached | Location |
|--------------------------------|-----|---------------|------|--------|-----------|------------------------|--------------|----------|
| SEE ATTACHED U-4 FORM | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

11. Supports: Skirt NO Lugs Nil Legs Nil Other SADDLES - 2 Attached BTM SHELL 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)
HORIZONTAL SEPARATOR (D-11) **VOLUME: 283.5 Cu Ft**
IMPACT TESTS REQUIRED FOR HEADS AND SHELLS PER UG-84(c). ALL OTHER PARTS EXEMPT PER UCS-66(a)(g)
FAB DRG #: D-7751-03 Rev2

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, 2004

Date: FEB. 22, 2002 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/or the State or Province of Alberta and employed by Alberta Boiler Safety Association have inspected the component described in this Manufacturer's Data Report on FEB 22 2002 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 inspection.

Date FEB 22 2002 Signed: [Signature] Commissions: ALBERTA
(Authorized Inspector) (Nat'l Board (incl. endorsements), State, Prov. and No.)

- [illegible]

Certificate of Authorization: Type: "U" No. 11,313 Expires: SEPT. 9, 2004.
 Date: Feb. 22, 2002 Name: Nalco Canada Ltd. Signed: _____
 (Manufacturer) (Representative)
 Date: FEB 22 2002 Name: _____ Commission ALTA #11
 (Authorized Inspector) (Natl. Board incl. endorsements, State, Prov. and No.)
 Shop Order #: 7751-03