

FORM U-1A MAI: ACTURERS' DATA REPORT FOR PRESSURE VESSELS  
(Alternate Form for Single Chamber, Completely Shop-Fabricated Vessels Only)  
as required by the provisions of the ASME Code rules, Section VIII, Division 1

0198  
A210398  
Sept 21/83  
Prof.

1. Manufactured and certified by CE Natco Limited 9423 Shepard Road S.E. Calgary, Alberta  
(name and address of manufacturer)

2. Manufactured for Gulf Canada Resources Ltd, 401 9th Avenue S.W. Calgary Alberta  
(name and address of purchaser)

3. Location of installation 8-81-22-W4

4. Type: Horizontal L-10-191 E-8139.2 (name and address)  
(horiz. or vert. tank) (mfr's. serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)  
LA-9922-03 1983

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 Code, Section VIII, Division 1: 1980  
winter 82 (year)

6. Shell: SA-516-70 12.7mm/.500" 3.2mm/.125" 3048mm/10'-0" 12192mm/40'-0"  
(mat'l. spec. no., grade) (nom. thickness (in.)) (corr. allow. (in.)) (time (hr.)) (HT temp. (°F)) (length (overall) (ft. & in.))

7. Seams: Db1-V-Butt spot 85 (DB1-V-Butt part, spot)  
(long. welded, dbl., singl. lap, butt) (RT (spot or full)) (eff. (%)) (singl. lap, butt) or full)

8. Heads: (a) SA-516-70 (b) SA-516-70 (mat'l. 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	15.9mm	3.2mm	2896mm	184mm					concave
(b) end	"	"	"	"					"

If removable, bolts used (describe other fastenings):

517 kPa (mat'l. spec. no., gr., size, no.) 776 kPa  
9. MAWP: 75 at max. temp. 145 C / 293 Min. temp. (when less than -20°F) Hydro., pneu. or comb. test pressure 113 (psi)

10. Nozzles, inspection and safety valve openings:

Purpose (inlet, outlet, drain, etc.)	No.	Dia. or Size	Type	Mat'l	Nom. Thickness	Reinforcement Mat'l	How Attached	Location
relief	N6B	3"	RFWN	SA-106-B	.437"		welded	shell
relief	N6A	1.5"	"	"	"		welded	"
manway	M1	24"	FAB	"	.375"		"	"
manway	M4-M5	18"	REWN	"	.500"		"	"

11. Supports: Skirt NO Lugs NO Legs NO Other Attached Btm Welded  
(yes or no) (no.) (describe) (where & how)

12. Remarks: Manufacturers' Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report:

3048mm X 12192mm @ 517 kPa WP

Horizontal performax treater Vol. 94m<sup>3</sup>

ALBERTA LABOR  
SEP 30 1983

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. 313 expires 5/9/86

Date Sept 21/83 Name CE Natco Limited Signed [Signature] (representative)

Vessel constructed by CE NATCO Limited at Calgary

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 Manufacturers' Data Report on Sept 21, 1983 and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the 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 Manufacturers' 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 Sept 21, 1983 Signed [Signature] (Authorized Inspector) Commissions NO (Nat'l. Bd. (incl. endorsements) state, prov. and no.)