

FORM U-1A MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS
 (Alternative 1 for Single Chamber, Completely Shop-Fabricated Vessels Only)
 As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

242840

1. Manufactured and certified by CE NATCO 9423 Shepard Rd. S.E. Calgary, Alberta

2. Manufactured for Amoco Canada Petroleum Co. Ltd. c/o Macdonald Eng. 1177 - 11th Ave. S.W. Calgary, Alta, T2R 1K9

3. Location of installation 10-19-24-12 N4

4. Type HORIZONTAL (Type of vessel) EA-9185-03-REV2 (Drawing No.) 1988 (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, 1986 Year.

TO 1987 (ASME Stamp per UG-122.41)
 Address (Drawn) SA-516-70 .375" (9.5) .125" (3.2) 6'-0" (1829) 20'-0" (6100)
 (Shell: DBL-V-BUTT SPOT 85 SNG-V-BUTT 2
 Length (Shell or Full) SA-516-70 (Spec. No., Grade)

7. Seams: DBL-V-BUTT SPOT 85 SNG-V-BUTT 2
 (Type of Seam or Full) SA-516-70 (Spec. No., Grade)

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

Location Top Bottom	Minimum Thickness	Corrosion Allowance	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Spherical Radius	First Diameter	Side to Pressure (Convex or Concave)
(a) F/T	.613"	.125"			F&D				CONCAVE
(b) COAL	.462"	(3.2)			F&D				CONCAVE

If removable, bolts used (describe other fastenings): _____

9. MAWP (517) 75 psi at max. temp. (93) 200 of
 Min. design metal temp. (-20) -5 of at (517)75 psi. Hydro., presu., or comb. test pressure (776) 113 psi.

10. Nozzles, inspection and safety valve openings:

Purpose (Inlet, Outlet, Drain)	No	Diam or Size	Type	Matl	Nom Thk	Reinforcement Matl	How Attached	Location
see Attached U-4 Form								
EIRETURE	E1	1.8"	FAB	SA-516-70	.625"	SADDLES	WELDED	HEAD
Supports, Skirt, NO							Attached	Bottom - Welded

11. Remarks: Manufacturer's Partial Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of the report: _____

6'-0" (1829) x 20'-0" (6100) @ 75 PSI (517) D.P. - No Corrosion Allowance
 HORIZONTAL VFH-RN TREATER DESIGN TO UG-20f VOL. (17) 600ft
 ** HEAD TO SHELL UN1a56 - OTHER SPOT ... DESIGN TO UG-20f; NO IMPACTS REQUIRED

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 9 Sep. 1989
 Date Nov 28 Co. name CE NATCO Signed R.K. LEACH (Inspector)

Vessel constructed by CE NATCO 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 Government

have inspected the component described in this Manufacturer's Data Report on Nov 21, 1988, 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 88-11-21 Signed [Signature] (Inspector)
 Date 88-11-21 Signed [Signature] (Inspector) GORDON (Inspector) [Signature] (Inspector)

This Form (E00117) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

A242040

FORM U-4 MANUFACTURERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured by C.E. NATCO 9423 Sheparc RD. S.E. Calgary, AB

2. Manufactured for AMOCO CANADA PETROLEUM CO. L.T.D.
(Name and address of manufacturer)

3. Location of installation 10-19-24-12 W4
HORIZONTAL TREATER Vessel Number L-6-393 (Name and address)
Tank, etc. H-5/69.2 C.R.N. EA-9185-03
4. Type Horizontal Vess Year Built 1988 DRWG. NO.

Data Report Item Number	PURPOSE	NO.	SIZE	TYPE	MAT'L	THICK.	REHF. MAT.	ATTACHED	
								HOW	WHERE
	MANWAYS	N1-2	24"	FAB	SA-106-B	.500"	-	WELD	SHELL
	SCRUB. DOME	N3	16"	PRESS.	SA-285-C	.625"	-	WELD	SHELL
	L.L.S.D.	N2	4"	RFLWN	SA-105	.75"	-	WELD	
	OIL LEV. CONT.	N4							
	INT. LEV. CONT.	N6							
	H.L.S.D.	N9							
	ANODES	A1-2							
	GAS OUT	N3	4"	PIPE	SA-106-B	.337"	-	WELD	
	INLET	N1	3"	PIPE	SA-106-B	.438"	-	WELD	
	OIL OUT	N5							
	WATER OUT	N7							
	DRAIN	N8a,b							
	RELIEF	N10							
	DESLUDGE DRAIN	N13							
	DESAND FLUSH	N11a,b	2"	PIPE	SA-106-B	.343"	-	WELD	
	DESAND (FUTURE)	N12							
	H.T.S.D.	C6	1"	CPLG	SA-105	6000#	-	WELD	
	TEMP. CONN.	C11							
	GA. GLASS	C1-4	.75"	CPLG	SA-105	6000#	-	WELD	
	PRESS. IND.	C5							
	SAMPLES	C7-10							
	TEMP. IND.	13							

Date 17 Nov 88 C.E. NATCO Manufacturer R.K. Leach Signed

Date 881121 Authorized Inspector's Signature G. Gordon Commissions Alaska Natl. Board, State, Province and No.

G. Gordon