

FORM U-1A MANUFACTURERS' 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

A242007

1. Manufactured and certified by C.E. NATCO LIMITED 9423 SHEPARD ROAD S.E. CALGARY, ALBERTA
(name and address of manufacturer)

2. Manufactured for OAKWOOD PETROLEUMS LIMITED #1800-311, 6th AVE S.W. CALGARY
(name and address of purchaser)

3. Location of installation 4-1-13-13-W4
(name and address)

4. Type: HORIZONTAL L-3-370 F-7404.2 DA-4973-03 - 1987
(horiz or vert., tank) (mfr's serial no) (CRN) (drawing 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 Code, Section VIII, Division 1: 1986
(year)
(addenda (date)) (Code Case no) (special service per UG-120(d))

6. Shell: SA-516-70 .3125(7.9) .0625"(1.6) 6'-0(1829) 20'-0(6100)
(mat'l spec no. grade) (nom thickness (in)) (corr allow (in)) (dia ID (ft & in)) (length (overall) (ft & in))

7. Seams: DBL-V-BUTT SPOT 85 - - DBL-V-BUTT SPOT * 2
(long (welded, dbl., singl. lap, butt)) (RT (spot, partial, or full)) (eff (%)) (HT temp (°F)) (time (hr)) (girth (welded, dbl., singl. lap, butt)) (no of courses)

8. Heads: (a) SA-516-70 (b) SA-516-70
(mat'l spec no. grade) (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)	FWKO	.459"	0.625"			F&D				CONCAVE
(b)	COAL	.397"	1.6			F&D				CONCAVE

If removable, bolts used (describe other fastenings) _____
(mat'l, spec no, gr size no)

9. MAWP: 75(517) at max. temp. 200(93) Min. temp. _____ Hydro., pneu. or comb. test pressure 113(776)
(psi) (°F) (when less than -20°F) (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
SEE ATTACHED U-4 FORM								

11. Supports: Skirt NO Lugs NO Legs NO Other SADDLES Attached BTM WELDED
(yes or no) (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: _____
(name of part, item number, mfr's name and identifying stamp)
6'-0(1829) x 20'-0(6100) @ 75PSI (517) D.P.

HORIZONTAL VFH-CWW D/P TREATER VOL. 185 FT³ (17)
* HEAD TO SHELL - UWI 1/2 SB RAST SPOT

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 9/9, 1989
 Date 29/9/87 Name C.E. NATCO LIMITED Signed [Signature]
(manufacturer) (representative) R. LEACH

CERTIFICATE OF SHOP INSPECTION

Vessel constructed by C.E. 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 29, 1987 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 29, 1987 Signed [Signature] Commissions _____
(Authorized Inspector) G. GORDON (Nat'l Bd (incl endorsements) state, prov and no)

A242007

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 LIMITED 9423 Shepard RD. S.E. Calgary, AB
(Name and address of manufacturer)
 2. Manufactured for OAKWOOD PETROLEUMS LIMITED
(Name and address of purchaser)
 3. Location of Installation 4-1-13-13-W4
(Name and address)
 4. Type HORIZONTAL TREATER Vessel Number L-6-370 F-7404.2 DA-4973-03 -
Horiz. Vert. Tank, etc. Mfg. serial CRN Dwg Nat'l. Brd. No.
 Year Built 1987

Data Report Item Number	Remarks						ATTACHED		
	PURPOSE	NO.	SIZE	TYPE	MAT'L	THICK.	RENF.MAT.	HOW	WHERE
MANWAY	M1	24"	PIPE	SA-106B	.375"	500"	-	WELDED	HEAD
ANODES	A1-2	4"	PIPE	SA-106B	.337"		-	WELDED	SHELL
L.L.S.D.	N10	4"							
L.L.C.-OIL	N11								
FWLC	N12								
TWLC	N13								
INLET	N1	3"	PIPE	SA-106B	.300"		-	WELDED	SHELL
FW OUT	N2								
DRAINS	N4-5								
ENT. BUSHING	N6-7								
OIL OUT	N8								
GAS OUT	N9								
RELIEF	N14								
T.W. OUT	N3	2"	PIPE	SA-106-B	.218		-	WELDED	SHELL
THERMOSTAT	C2	1"	CPLG	SA-105			6000#	WELDED	SHELL
THERMOSTAT	C4								"
GAS PREHEAT	C17-18								HEAD-SHELL
T.I.	C3	.50"	CPLG	SA-105			6000#	WELDED	SHELL
SAMPLE	C5-8								
LEVEL GA.	C9-14								
PILOT PREHEAT	C15-16								HEAD-SHELL

Date 29/9/87 C.E. NATCO LIMITED Signed RK Leach
Manufacturer R. LEACH
 Date 870929 G. Gordon Commissions Alberta
Authorized Inspector's Signature Natl. Board, State, Province and No.
 G. GORDON