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FORM 1 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

1. Manufactured and certified by C-E NATCO LIMITED - 9423 SHEPARD ROAD, S.E., CALGARY, ALTA.
(name and address of manufacturer)
2. Manufactured for DIAMOND SHAMROCK EXPLORATION OF CANADA - 250 - 6 AVE., S.W., CALGARY, ALTA.
(name and address of purchaser)
3. Location of installation 6-19-78-10-W5
(name and address)
4. Type: HORIZONTAL L-8-213 E-8329-2 BA-4358-03 1985
(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: 1983
(year)
6. Shell: SA-516-70 .375 1.58mm/.0625 2438mm/8'-0 6096mm/20'-0
(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 PARTIAL 2
(long. (welded, dbl., singl. lap, butt)) (RT (spot, partial, or full)) (eff. (%)) (HT temp. (°F)) (time (hr.)) (jirth (welded, dbl., or full)) (RT (spot, partial, or full)) (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	15.9mm	1.58mm			F&D				CONCAVE
(b)	COAL	12.7mm	.0625"			F7D				CONCAVE

- If removable bolts used (describe other fastenings): 517 KPA 93 DEG.C. (mat'l. spec. no., gr., size, no.) 776 KPA
9. MAWP: 75 at max. temp. 200 Min. temp. - Hydro., pneu. or comb. test pressure 112
(psf) (°F) (when less than -20°F) (psf)

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	IN16	3"	RFWN	SA-106-B	300"		WELDED	SHELL
MANWAY	M1	24"	FAB	SA-106-B	500"		WELDED	HEAD
MANWAYS	M2-M4	16"	PRESS.	SA-285-C	625"		WELDED	HEAD-SHELL

11. Supports: Skirt NO Lugs - Legs - 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)

2438 mm X 609 mm @ 517 KPA DP

HORIZONTAL VEH-CWV D/P TREATER

VOL. 31m³

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. 1313 expires 9/9/1985
Date 31 May 85 Name C-E NATCO LIMITED Signed [Signature]
(manufacturer) (representative)

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 _____, 19____ 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 May 31, 1985 Signed [Signature] Commissions _____
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state, prov. and no.)

This form may be obtained from The National Board of Boiler and Pressure Vessel Inspectors, 1055 Crupper Ave., Col's. OH 43227

NS-15 Rev. 7

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