

**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

228329  
 927186

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

2. Manufactured for Chevron Canada Resources Ltd. 500 5th Avenue S.W. Calgary, Alberta  
 (name and address of purchaser)

3. Location of Installation 11-15-62-18-W5

4. Type: Horizontal (horiz. or vert., tank) (mfr's. serial no.) L-6-333 (CRN) F-7133.2 (drawing no.) BA-4554-03 (Nat'l. Bd. no.) 1986 (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 (mat'l. spec. no., grade) (nom. thickness (in.)) .375 (corr. allow. (in.)) 1.6mm (special service per UG-120(d))  
6100mm/20'-0" (length (overall)) (ft. & in.)

7. Seams: DBL-V-BUTT spot (long. (welded, dbil., singl. lap, butt)) (RT (spot or full)) (eff. (%)) 85 (time (hr.)) (girth (welded, dbil., spot, lap, butt)) (no. of courses)  
DBL-V-BUTT partial spot 2 (mat'l. spec. no., grade)

8. Heads: (a) SA-516-70 (mat'l. spec. no., grade) (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) <u>Coal end</u>	<u>7.9mm</u>				<u>F&amp;D</u>				<u>concave</u>
(b) <u>Ft. End</u>	<u>9.5mm</u>				<u>F&amp;D</u>				<u>concave</u>

If removable bolts used (describe other fastenings): 320 kpa 930C

9. MAWP: 75 (psi) at max. temp. 200 (°F) Min. temp. — (when less than -20°F) Hydro., pneu. or comb. test pressure 113 (psi) 780 kpa (mat'l. spec. no., gr., size, no.)

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
<u>relief</u>	<u>N2</u>	<u>3"</u>	<u>RFWN</u>	<u>SA106B</u>	<u>.300"</u>		<u>welded</u>	<u>shell</u>
<u>manways</u>	<u>M1-M2</u>	<u>24"</u>	<u>FAB.</u>	<u>SA106B</u>	<u>.500"</u>		<u>welded</u>	<u>shell</u>

11. Supports: Skirt NO (yes or no) Lugs — (no) Legs — (no) Other saddles (describe) Attached but welded (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)

1829m x 6100mm @ 520 kpa D.P.  
Horizontal HEH-P Treater Vol. 17m<sup>3</sup>

**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 #1313 expires 9/9, 1986  
 Date 7 Feb 86 Name CE Natco Limited (manufacturer) 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 3-27, 1986 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 3-27, 1986 Signed [Signature] (Authorized Inspector) Commissions \_\_\_\_\_ (Nat'l. Bd. (incl. endorsement) state, prov. and no.)

**CERTIFICATE OF SHOP INSPECTION** Calgary