

FORM U-1 MANUFACTURER'S DATA REPORT FOR PRESSURE VESSELS A 473729
As Required by the Provisions of the ASME Code Rules, Section VIII, Division 1

1. Manufactured and certified by **EXCHANGER INDUSTRIES (A Division of Premetalco Inc.) 5505 - 52 Street S.E., Calgary, AB T2A 6A8**
(Name and address of Manufacturer)

2. Manufactured for **Presson Manufacturing Ltd. 2103 - 8th Street Nisku, AB T9Z 7E1**
(Name and address of Purchaser)

3. Location of installation **Anderson Exploration, Narraway, AB L.S.D.#10-08-64-10-W6M**
(Name and address)

4. Type **Horizontal** **Heat Exchanger** **01-3503C**
(Horiz., vert., or sphere) (Tank, separator, jkt. vessel, heat exh., etc.) (Mfg's serial No.)

P5904.2 **01-3503 Rev.2** **2001**
(CRN) (Drawing No.) (Nat'l. Bd No.) (Year Built)

5. ASME Code, Section VIII, Div. 1 **1998-2000**
Edition and Addenda (date) Code Case No. Special Service per UG-120(d)

Items 6-11 Incl. to be completed for single wall vessels, jackets of jacketed vessels, shell of heat exchangers, or chamber of multi-chamber vessels.

Shell (a) No. of Course(s): **5** (b) Overall length (ft & in.): **47' - 5 5/8"**

Course(s)			Material	Thickness		Long. Joint (Cat.A)			Circum. Joint (Cat. A, B, & C)			Heat Treatment	
No.	Diameter, in.	Length (ft & in.)	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
4	45 3/4"	10' - 0"	SA516-70N	1.250"	1/16"	1	Full	1.0	1	Full	1.0	-	-
1	45 3/4"	7' - 5 5/8"	SA516-70N	1.250"	1/16"	1	Full	1.0	1	Full	1.0	-	-

(a)										(b)									
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp.										(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp.									
Location (Top, Bottom, Ends)		Thickness		Radius		Elliptical		Conical		Hemispherical		Flat		Side to Pressure		Category A			
		Min.	Corr.	Crown	Knuckle	Ratio		Apex Angle		Radius		Diameter		Convex	Concave	Type	Full	Spot/None	Eff.
(a)																			
(b)																			

If removable, bolts used (describe other fastening)

Type of jacket (Mat'l Spec. No., Grade, size, No.) Jacket closure

If bar, give dimensions (Describe as ogee & weld, bar, etc.)
9. MAWP **1000** **-** psi at max. temp. **150** **-** °F Min. design metal temp. **-20** °F at **1000** psi.
(internal) (external) (internal) (external)

10. Impact test **No, exempt per UCS-66(a).**

11. Hydro., pneu., or comb test press. **1300 psi** (Indicate yes or no and the component(s) impact tested) Proof test

Items 12 and 13 to be completed for tube sections.

12. Tubesheet: **SA516-70N** **45 3/4"** **3.250"** **1/8"** **Welded**
Stationary (Mat'l Spec. No.) Dia., in. (subject to press.) Nom. thk. in. Corr. Allow., in. Attachment (welded or bolted)

Floating (Mat'l Spec. No.) Dia., in. Nom. thk. in. Corr. Allow., in. Attachment

13. Tubes: **SA 179** **3/4"** **14 BWG M/W** **1136** **Straight**
Mat'l Spec. No., Grade or Type O.D., in. Nom. thk., in. or gauge Number Type (Straight or U)

Items 14-18 Incl. to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

14. Shell (a) No. of course(s) **2** (b) Overall length (ft & in.): **3' - 0"**

Course(s)			Material	Thickness		Long. Joint (Cat.A)			Circum. Joint (Cat. A,B. & C)			Heat Treatment	
No.	Diameter, in.	Length (ft & in.)	Spec./Grade or Type	Nom.	Corr.	Type	Full, Spot, None	Eff.	Type	Full, Spot, None	Eff.	Temp.	Time
2	45 3/4"	3' - 0"	SA516-70N	1.250"	1/16"	1	Full	1.0	1	Full	1.0	-	-

(a)										(b)									
SA516-70N.I.T.										SA516-70N.I.T.									
(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp.										(Mat'l Spec. No., Grade or Type) H.T. - Time & Temp.									
Location (Top, Bottom, Ends)		Thickness		Radius		Elliptical		Conical		Hemispherical		Flat		Side to Pressure		Category A			
		Min.	Corr.	Crown	Knuckle	Ratio		Apex Angle		Radius		Diameter		Convex	Concave	Type	Full	Spot/None	Eff.
(a)		End	7"	1/16"								57"							
(b)		End	7"	1/16"								57"							

If removable, bolts used (describe other fastening).

SA 193-B7, 1 3/4" X 18" lg. (88 pcs.)
(Mat'l Spec. No., Grade, size, No.)

