

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

1. Manufactured and certified by Tek-Fins, Inc. 5550C So. Garnett, Tulsa, Ok 74146
(Name and address of manufacturer)

2. Manufactured for Kinder Morgan

3. Location of installation Station 302 New Caney, Texas
(Name and address)

4. Type Gas Cooler 1843-1A 1843-1-05/06 0157 2007
(Horiz. Or vert. tank) (Mfg'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 Rules, Section VIII, Division 1 2004
(Year)

to 2006 Addenda None
Addenda (Date) Code Case Nos. Special Service per UG 120(d)

6. Shell: SA-516-70N 1.5" .0625" 0'-11.5" 16'-9.875"
Matl. (Spec. No., Grade) Nom. Thk. (in.) Corr. Allow. (in.) Diam. I.D. (ft. & in.) Length (overall) (ft. & in.)

7. Seams Welded 1150 1.2 N/A 1
Long. (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot or Full) Eff. (%) H.T. Temp. (°F) Time (hr) Girth (Welded, Dbl., Sngl., Lap, Butt) R.T. (Spot, Partial, or Full) No. of Courses

8. Heads (a) Matl. SA-516-70N (b) Matl. SA-516-70N
(Spec. No., Grade) (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>Top/Bottom</u>	<u>1"</u>	<u>.0625"</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>5"</u>	<u>16'-8.375"</u>
(b)	<u>Ends</u>	<u>.75"</u>	<u>.0625"</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>-----</u>	<u>5"</u>	<u>0'-9.5"</u>

If removable, bolts used (describe other fastenings) (866) 1 1/8" O.D. X 1 1/2" U.H. SA-105 Shoulder Plugs
(Matl., Spec. No., Gr., Size, No.)

9. MAWP 1300 300 1300 1950 psi
(Internal) (External) (Internal) (External) psi at max temp. psi Hydro., pneu., or comb. test pressure

Min. design metal temp. -20 °F at 1300 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
Inlet/Outlet	4	10"	600#RFWN	SA-105/SA-234WPB	Sch. 160	-----	UW16.1	FR/BK
Vent/Drain	2	1"	6000#	SA-105	N/A	-----	UW16.1	FR/BK
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11. Supports: Skirt ----- Lugs ----- Legs ----- Other ----- Attached -----
(Yes or no) (No.) (No.) (Describe) (Where and how)

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

Front & Back Headers fabricated by Professional Fabricators, Inc. Job No. 1843-A FR/BK

(Name of part, item number, Mfg's name and identifying stamp)

Tubes (433) 1" O.D x .083" M.W. X 36" Long SA-179 35'-8 3/4" Tubesheet to Tubesheet

Designed to Appendix 13 Impact exempt per UCS-66a

100% U.T.

CERTIFICATE OF SHOP/FIELD 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" Certification of Authorization No. 33846 expires 25 Mar. 09
Date 7/31/2007 Co. name Tek-Fins, Inc. Signed M. D. Bannister
(Manufacturer) (Representative)

CERTIFICATE OF SHOP/FIELD INSPECTION

Vessel constructed by Tek-Fins, Inc. at 5550C So. Garnett Tulsa, Ok 74146

I, the undersigned, holding a valid commission issued by the Nation Board of Boiler and Pressure Vessel Inspectors and the State or Province of Oklahoma and employed by One Beacon America Insurance have inspected

the component in this Manufacturer's Data Report on 7/31/2007 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

this 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 8/3/2007 Signed Richard G. Minkowski Commissions N.B. 11152 (M) OK 646
(Authorized Inspector) (Nat'l Board (incl. Endorsements), State, Prov. and No.)