



TRANSTECH ENERGY

18,000-Gallon Storage Vessel Rocky Mount NC

VESSEL SPECIFICATIONS

Manufacturer	Year	Capacity (Liquid Gallons)	PSI	Serial Number/ National Board Number
RD Cole	1953	18,000	U69 200	7910/ 685

The vessel listed is ASME certified and was manufactured by RD Cole. It has a National Board number with a U-1A data sheet. This steel vessel is 111 inches in diameter and 38 foot 11 inches in length, made from SA-212-F.B. steel. The hemispherical heads are .5" thick and the shell is 1".



FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE VESSELS
As Required by the Provisions of the ASME Code Rules

1. Manufactured by **R. D. COLE MANUFACTURING COMPANY - NEWNAN, GEORGIA**
(Name and address of Manufacturer)

2. Manufactured for **Slade Gas Company, Inc. - Starke, Florida**
(Name and address of Purchaser)

3. Type **Horiz** Kind _____ Vessel No. (**7910**) (Info. Serial) (State & State No.)
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.) (Info. Serial) (State & State No.) Nat'l Bd. No. **685** Yr. Built **1953**

Items 4-9 incl. to be completed for single shell vessels (such as air tanks), jackets of jacketed vessels, or shells of Heat Exchangers

4. SHELL: Material **SA-212-F.B.T.S. 70000** Nominal Thickness **1** in. Allowance _____ in. Diam **9 ft. 3** in. Length **38 ft. 11** in.
(Kind and Spec. No.) (Plg. or F. B. & Lowest T. S.)

5. SEAMS: Long **Welded Butt** S.R. **No** X.R. _____ Sectioned **No** Efficiency **80** %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth **Welded Butt** S.R. **No** X.R. _____ Sectioned **No** No. of Courses **4**

6. HEADS: (a) Material **SA-212-F.B.T.S. 70000** (b) Material **SA-212-F.B.T.S. 70000**
(Top, bottom, ends) Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Side to Pressure Convex or Concave)

(a) **Ends** **1/2"** **55-1/2"** **Concave**
(b) **1/2"** **55-1/2"** **Concave**

If removable, bolts used _____ Other fastening _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow Attachment _____ Pitch _____ Diam _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as open & weld, bar, etc. If bar give dimensions, if bolted, describe or sketch)

9. Constructed for **250** psi pressure of **600** °F. Max. Temp. **600** °F. Subzero _____ °F. Hydrostatic Test **375** psi
(Int.) (Ext.) (Items 10 and 11 to be completed for tube sections.)

10. TUBE SHEETS: Stationary. Material _____ Diam _____ in. Thickness _____ in. Attachment _____
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material _____ Diam _____ in. Thickness _____ in. Attachment _____

11. TUBES: Material _____ O.D. _____ in. Thickness _____ inches or gage. Number _____ Type _____
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for inner chambers of jacketed vessels, or channels of heat exchangers.

12. SHELL: Material _____ T.S. _____ Nominal Thickness _____ in. Allowance _____ in. Diam _____ ft. in. Length _____ ft. in.
(Kind and Spec. No.) (Plg. or F. B. & Lowest T. S.)

13. SEAMS: Long _____ S.R. _____ X.R. _____ Sectioned _____ Efficiency _____ %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

Girth _____ S.R. _____ X.R. _____ Sectioned _____ No. of courses _____

14. Heads (a) Material _____ T.S. _____ (b) Material _____ T.S. _____ (c) Material _____ T.S. _____
(a) Top, bottom, ends Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex angle Hemispherical Radius Flat Diameter (Side to Pressure Convex or Concave)

(b) Channel _____
(c) Floating _____

If removable, bolts used (a) _____ (b) _____ (c) _____
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

15. Constructed for **250** psi pressure of _____ °F. Max. Temp. _____ °F. Subzero _____ °F. Hydrostatic Test _____ psi
(Int.) (Ext.) (Items below to be completed for all Vessels where applicable.)

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES: Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

Purpose	Number	Diam. or Size	Type	Material	Thickness	Reinforcement Material	How Attached
	2-1	3/4"-1"	Taped	Steel			Welded
	1	2"					
	2	3"					

18. INSPECTION OPENINGS: Manholes, No. **1** Size **17 1/2" Dia.** Location **in Shell**
Handholes, No. _____ Size _____ Location _____
Threaded, No. _____ Size _____ Location _____

19. SUPPORTS: SKID (Yes or No) _____ LUGS (Number) _____ LEGS (Number) _____ OTHER (Describe) _____ ATTACHED (Where & How) _____

20. REMARKS: **FOR L P G**
(Brief description of purpose of the vessel, or Air Tank, After Cooler, Jacketed Cooler, etc. State contents of each part.)
(Over)

We certify that the statements made in this report are correct and that all details of material, construction, and workmanship of this unfired pressure vessel conform to the ASME Code for Unfired Pressure Vessels.
Date **5-21-53** 19____ Signed **R. D. COLE MANUFACTURING CO.** By **W. E. Sheleton**
(Manufacturer) (Production Manager)

Certificate of Authorization Expires **#22 12-31-55**

CERTIFICATE OF SHOP INSPECTION

Inspection Agency's Serial No. **H S B 3229**
VESSEL MADE BY **R. D. COLE MANUFACTURING COMPANY** at **NEWNAN, GEORGIA**

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF _____ and employed by **H. S. B. I. & I. COMPANY** of **Hartford**, inspected internally and externally, the vessel described in this report on **5-21-53** 19____, and certify that the statements made in this report are correct corresponding with mill test reports of materials furnished by the builders, and measurements made of the vessel and that this vessel is constructed in accordance with the ASME Code for Unfired Pressure Vessels.

Date **5-21-53** 19____
J. E. Howell Commissions **N B 3400**
Inspector's Signature (State or Nat'l Bd. & Number)

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a Certificate of Competency as an Inspector of Boilers and Unfired Pressure Vessels in THE STATE OF _____ and employed by _____ of _____, have compared the statements in this manufacturer's data report with the completed vessel, and certify that parts referred to as data items _____ were completed in the field in accordance with the requirements of the ASME Code for Unfired Pressure Vessels. The completed vessel was inspected and subjected to a hydrostatic test of _____ psi.

Date _____ 19____
Inspector's Signature _____ Commissions _____ State or Nat'l Bd. & Number _____