

41-V-630  
10991

**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 the Provisions of the ASME Boiler and Pressure Vessel Code Rules, Section VIII, Division 1

1. Manufactured and certified by PRECISION PIPE AND VESSEL, LLC 6535 N. WASHINGTON ST. DENVER CO 80229 USA  
(Name and address of Manufacturer)

2. Manufactured for Range Fuels Soperton Plant, LLC. 11101 W. 120th Ave. Suite 200 Broomfield, CO. 80221  
(Name and address of Purchaser)

3. Location of installation Soperton, GA.  
(Name and address)

4. Type Vertical CV-0893 None D-1511 893 2009  
(Horizontal or vertical, tank) (Manufacturer's serial number) (CRN) (Drawing number) (National Board number) (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  
2007 Edition  
Year  
to 2008 NONE NONE  
(Addenda (date)) (Code Case numbers) (Special service per UG-120(d))

6. Shell SA-312 Gr TP347 0.375" None 1'-11.25" 8'-2"  
(Material spec. number, grade) (Nominal thickness) (Corr. allow.) (Inner diameter) (Length (overall))

7. Seams Welded None 70 None N/A Welded None 70 1  
(Long, welded, dbl., singl., lap, butt) (R. T. (spot or full)) (Eff., %) (H. T. temp.) (Time, hr) (Girth (welded, dbl., singl., lap, butt)) (R. T. (spot or full)) (Eff., %) (No. of courses)

8. Heads: (a) Material SA-240 Gr 304 (b) Material SA-240 Gr 304  
(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)	TOP	0.200"	None			2:1				Concave
(b)	BOTTOM	0.200"	None			2:1				Concave

If removable, bolts used (describe other fastenings) None

9. MAWP 150 15 550  
(Internal) (External) at max. temp. (Material spec. number, grade, size, number)  
Min. design metal temp. 20 at 150 Hydro., PREHEAT test pressure 195  
(Internal) (External) (Internal) (External)

10. Nozzles, inspection, and safety valve openings:

Purpose (Inlet, Outlet, Drain)	Number	Diameter or Size	Type	Material	Nominal Thickness	Reinforcement Material	How Attached	Location
Inlet	1	4" / 150#	RFWN	SA-105/ SA-106-B	S40	Inherent	uw-16.1(d)	Shell
Outlet	1	4" / 150#	RFLWN	SA-105	0.75"	Inherent	uw-16.1(d)	Top
Level	2	2" / 150#	RFLWN	SA-105	0.53"	Inherent	uw-16.1(d)	Shell
Drain	2	2" / 150#	RFWN	SA-105/ SA-106-B	S40	Inherent	uw-16.1(d)	Bottom
PSV Connection	1	2" / 150#	RFLWN	SA-105	0.53"	Inherent	uw-16.1(d)	Top
TI/TW Connection	1	1.5" / 150#	RFLWN	SA-105	0.56"	Inherent	uw-16.1(d)	Shell

11. Supports: Skirt NO Lugs 0 Legs 4 Other N/A Attached Welded to Shell  
(Yes or no) (Number) (Number) (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:

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

PSV Elsewhere in system, Exempt from Impact per UG-20(f)(1-5) and UHA-51(d)

**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 BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. "U" Certificate of Authorization Number 29,455

expires 01/15/12

Date 9/17/09 Co. name PRECISION PIPE AND VESSEL, LLC  
(Manufacturer)

Signed [Signature]  
(Representative)

**CERTIFICATE OF SHOP / FIELD INSPECTION**

Vessel constructed by PRECISION PIPE AND VESSEL, LLC at 6535 N. Washington St. Denver, CO. 80229 USA

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Colorado and employed by One Beacon America Insurance Co.

have inspected the component described in this Manufacturer's Data Report on SEPTEMBER 17, 2009, and state that,

to the best of my knowledge and belief, the Manufacturer has constructed this pressure vessel in accordance with ASME BOILER AND PRESSURE VESSEL CODE, Section VIII, Division 1. By Signing this certificate neither the Inspector nor his/her employer makes any warranty, expressed or implied, concerning the pressure vessel described in this Manufacturer's Data Report. Furthermore, neither the Inspector nor his/her 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 09/17/2009 Signed [Signature] Commissions NB 5657A / CO-075  
(Authorized Inspector) (National Board (incl. endorsements), State, Province, and number)