

# HOME CERTIFIED TO MEET THE PROVISIONS OF THE 2009 INTERNATIONAL ENERGY CONSERVATION CODE

This home built at  
**1127 Ben Hur, Spring Valley, TX**  
by Hillcrest Builders

exceeds the minimum requirements for the 2009 International Energy Conservation Code

6-27-12

### Building Features

Ceiling Flat:	NA	Duct Leakage to Outside:	32.00 CFM @ 25 Pascals
Vaulted Ceiling:	R-26	Total Duct Leakage:	228.00 CFM @ 25 Pascals
Above Grade Walls:	R-13, R-15	Infiltration:	Htg: 3260 Cfg: 3260 CFM50
Foundation Walls:	NA	Window:	U-Value = 0.330, SHGC = 0.210
Exposed Floor:	R-19	Heating:	Fuel-fired air distribution, Natural gas, 95.0 AFUE.
Slab:	R-0.0 Edge, R-0.0 Under	Cooling:	Air conditioner, Electric, 16.0 SEER.
Duct:	NA	Water Heating:	Instant water heater, Natural gas, 0.95 EF, 0.0 Gal.

The organization below certifies that the proposed building design described herein is consistent with the building plans, specifications, and other calculations submitted with the permit application. The proposed building has been designed to meet the 2009 IECC requirements in compliance with Chapter 4 based on Climate Zone 2A and with all mandatory requirements.

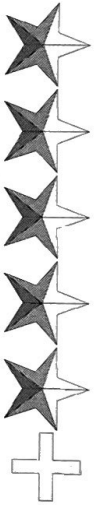
Name: Clayton Farmer  
Signature:   
Organization: Bluegill Energy Management  
Date: June 30, 2012

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No version of this software has been reviewed or approved by ICC or its affiliates.  
REM/Rate - Residential Energy Analysis and Rating Software v12.99



# Home Energy Rating Certificate

1127 Ben Hur  
1127 Ben Hur  
Spring Valley, TX 77055



**5 Stars Plus  
Confirmed**

Energy Efficient

Uniform Energy Rating System					
1 Star	1 Star Plus	2 Stars	2 Stars Plus	3 Stars	3 Stars Plus
500-401	400-301	300-251	250-201	200-151	150-101
				4 Stars	4 Stars Plus
				100-91	90-86
				85-71	70 or Less

HERS Index: **50**

Efficient Home Comparison:

50% Better

### General Information

Conditioned Area: 4573 sq. ft. House Type: Single-family detached  
 Conditioned Volume: 77409 cubic ft. Foundation: Slab  
 Bedrooms: 6

### Mechanical Systems Features

Water Heating: Instant water heater, Natural gas, 0.95 EF, 0.0 Gal.  
 Heating: Fuel-fired air distribution, Natural gas, 95.0 AFUE.  
 Heating: Fuel-fired air distribution, Natural gas, 95.0 AFUE.  
 Duct Leakage to Outside: 43.00 CFM.  
 Ventilation System: Air Cycler: 200 cfm, 115.0 watts.  
 Programmable Thermostat: Heating: Yes Cooling: Yes

### Building Shell Features

Ceiling Flat: NA Exposed Floor: R-19  
 Vaulted Ceiling: R-26 Window Type: SHGC21-U33  
 Above Grade Walls: R-13, R-15 Infiltration:  
 Foundation Walls: NA Rate: Htg: 3260 Cfg: 3260 CFM50  
 Slab: R-0.0 Edge, R-0.0 Under Method: Blower door test

### Lights and Appliance Features

Percent Interior Lighting: 100.00 Range/Oven Fuel: Natural gas  
 Percent Garage Lighting: 100.00 Clothes Dryer Fuel: Natural gas  
 Refrigerator (kWh/yr): 606.00 Clothes Dryer EF: 2.67  
 Dishwasher Energy Factor: 0.75 Ceiling Fan (cm/Watt): 115.00

The Home Energy Rating Standard Disclosure for this home is available from the rating provider.

**REMI/Rate - Residential Energy Analysis and Rating Software v12.99**

This information does not constitute any warranty of energy cost or savings.  
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Registry ID:

Rating Number: CF-XP-1127-110811

Certified Energy Rater: Clayton Farmer

Rating Date: 6-27-12

Rating Ordered For:

### Estimated Annual Energy Cost

Use	Confirmed	
	MMBtu	Cost
Heating	46.0	\$438
Cooling	11.0	\$344
Hot Water	14.8	\$136
Lights/Appliances	35.2	\$965
Photovoltaics	-0.0	-\$0
Service Charges		\$209
<b>Total</b>		<b>\$2091</b>
		<b>100%</b>

This home meets or exceeds the minimum

criteria for all of the following:

- EPA ENERGY STAR Version 2.5 Home
- 2006 International Energy Conservation Code
- 2009 International Energy Conservation Code

Clayton Farmer

Bluegill Energy Management

23603 Wildflower Cir

Katy, Texas 77494

281-802-1224

AID: 1998-162



Certified Energy Rater