

Lamb Farms Addendum

Site Events

Date	Event
1/25/2010	Data first up to site. Engine only running at 75 kW (rated for 400 kW).

Hardware

Device	Serial #	Output	Carbon Catcher Data Point
Intelisys NT Engine Controller		kWh (acc)	KWH_Output
Sage SIP-05-06		CF & CFM	SCF_Total_Engine1
Sage SIP-05-06		CF & CFM	SCF_Total_Flare

Database Setup

<u>Chan Name</u>	<u>Device</u>	<u>column</u>
KWH_Output,	GasUsage,	2
SCF_Total_flare,	GasUsage,	3
Flare1_Temp,	GasUsage,	4
SCF_Total_Engine1,	GasUsage,	5
SCFM_Flare,	FlowRate,	2
SCFM_Engine,	FlowRate,	3

Sensor Verification

Power Meters

		WG (kW)
CC Log	2/23/2010 1:45	76
GenTec Meter	2/23/2010 1:50	74.5
Manual	2/23/2010 2:15	68.8

Flow Meters

	Date & Time	FGE (acc)	FGE (scfm)	FGF(acc)	FGF (scfm)
CC Log	2/23/2010 1:45	795157	65	2295306	76
Meter	2/23/2010 1:50	795750	63	2196088	77
% Diff		0.1%	3.1%	4.3%	1.3%

Photos



Gentec engine control panel.



Digester control panel.