



Section 10 – Process Equipment (Onshore) -
Sales Item 10-09-0515

150mmscfd CRYOGENIC GAS PLANT

Built 2008 by Exterran – Unused Surplus until 2011.

Currently Partially Fire Damaged due to Incorrect Usage.

Available for Purchase ‘As is’, or total Rebuild and Re-
Certification as Required.

Located in UNITED STATES of AMERICA



TECHNICAL DETAILS & HISTORY:

This 150mmscfd / Day Cryogenic Gas Plant is currently located in the Gulf of Mexico, built in 2008 by Exterran USA, not utilized until after 2011 after it had been sold by its Owners as new Surplus.

This Package is considered ideal for a Company looking to design a unit to fit a similar application. It was built for an Operator by Exterran in the USA and was subsequently never used, hence it was Sold as New Surplus in 2011.

The Plant was installed by the New Owners to make liquids off Storage Gas along with a 400 gpm Amine Plant. It is understood that the Stainless Steel Exchanger suitable for the very large Temperature drop was switched over to a Carbon Steel Exchanger, which resulted in the Carbon Steel Exchanger cracking due to the temperature extremities and being the source of an explosion and fire.

The explosion and fire damaged parts of the Plant which can all be replaced to suit its future design and use. The Plant can either be Purchased at a reasonable price 'as is, where is' for future repair and use, or it can be re-designed and modified to fit job it needs to go on.



Turbine, Switching Valves, Dehy's and Heater's are all in good condition plus the various components on all of the Plant Skids. The Cold Skid and the Heat Exchangers were the main recipients of the Fire damage. The Mole Sieve Dehydration System, the NGL pumps and Coolers are all in good condition. The De-ethanizer has been declared repairable by the associated Insurance and Inspection Companies, with possibly the lower 1/3 of Tower requiring to be replaced.

The surge tank has been tested and is good. The Expander/Compressor Skid would need to be rebuilt, but is overall salvageable.

Rebuild cost to original design and preparation for Export estimated at \$10,000,000 US Dollars, purchase 'as is, where is' in current condition at \$4,000,000 US Dollars.



EQUIPMENT LIST:



Job No.:
Date: 07/12/2010
By: RGA
Client:
Subject: 150 MMSCFD Cryo Plant

	Hyperlink to:		Notes:
1	A-2311	Regeneration Gas Cooler	<i>Located on Dehy / Regen Skid 107.15</i>
2	A-2321	Expander/Compressor Discharge Cooler	<i>Located off skid</i>
3	A-2322	Deethanized Product Cooler	<i>Located off skid</i>
4	C-2111	Regeneration Gas Compressor	<i>Located on Dehy / Regen Skid 107.15</i>
5	E-2211	Regeneration Gas Heater	<i>Located on Dehy / Regen Skid 107.15</i>
6	E-2220	Product Heater	<i>Located on Demethanizer Expander Valve Skid 107.10</i>
7	E-2221/2222	Gas/Gas & Reflux Condenser (BAHX)	<i>Located off skid</i>
8	E-2223/2224	Demethanizer Bottom and Side Reboiler (BAHX)	<i>Located off skid</i>
9	E-2225	Trim Reboiler	<i>Located on Demethanizer Expander Valve Skid 107.10</i>
10	E-2227	Seal Gas Heater	<i>Located off skid</i>
11	EX/C-2121	Expander / Compressor	<i>Skid Assembly Package 107.20</i>
12	F-2411	Seal Gas Coalescer (Goes with C-111)	<i>Located on Dehy / Regen Skid 107.15</i>
13	F-2412	Dehydration Inlet Filter/Coalescer	<i>Located on Dehy / Regen Skid 107.15</i>
14	F-2416/2417	Dehydration Dust Filters	<i>Located on Dehy / Regen Skid 107.15</i>
15	F-2438	Residue Gas Filter/Coalescer	<i>Located off skid</i>
16	F-2474	Hot Oil Filter	<i>Located on Hot Oil Pump Skid 107.25</i>
17			
18	H-2771	Hot Oil Heater	<i>Located off skid</i>
19	P-2619/2620	Product Booster Pumps	<i>Located off skid</i>
20	P-2621/2622/2623	Product Pipeline Pumps	<i>Located off skid</i>
21	P-2629	Methanol Injection Pump	<i>Located on Demethanizer Expander Valve Skid 107.10</i>
22	P-2671/2672	Hot Oil Circulation Pumps	<i>Located on Hot Oil Pump Skid 107.25</i>



2												
3												
2												
4	T-2521	Demethanizer	<i>Located off skid</i>									
2												
5	V-2410	Inlet Gas Separator										
2												
6	V-2413/2414/2415	Dehydration Adsorbers	<i>Located off skid</i>									
2												
7	V-2418	Regeneration Gas Scrubber	<i>Located on Dehy / Regen Skid 107.15</i>									
2												
8	V-2421	Cold Separator	<i>Located off skid</i>									
2												
9	V-2422	Demethanizer Surge Tank	<i>Located off skid</i>									
3												
0	V-2460	Fuel Gas Scrubber	<i>Located on Demethanizer Expander Valve Skid 107.10</i>									
3												
1												
3												
2	V-2471	Hot Oil Expansion Tank	<i>Located on Hot Oil Pump Skid 107.25</i>									
3												
3												
3												
4												
3												
5												
3												
6												
3												
7												
3												
8												
<table border="1"> <tr> <td>REVISION</td> <td colspan="2" style="text-align: center;">0</td> </tr> <tr> <td>ENGINEER/DATE</td> <td style="text-align: center;">RGA</td> <td style="text-align: center;">23/01/2009</td> </tr> <tr> <td>ISSUED FOR</td> <td colspan="2" style="text-align: center;">As Designed / Sold Information</td> </tr> </table>				REVISION	0		ENGINEER/DATE	RGA	23/01/2009	ISSUED FOR	As Designed / Sold Information	
REVISION	0											
ENGINEER/DATE	RGA	23/01/2009										
ISSUED FOR	As Designed / Sold Information											

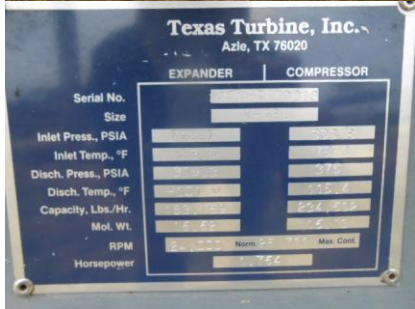
NOTE:

FLARE EQPT ORIGINALLY PURCHASED FOR US-106521 SOLD TO US-106784 DEVON
 FL-2761, P-2684, V-2461 - DATA FILED IN US-106521 DEVON FLARE DATA FOLDER UNDER MAJOR
 EQPT.

PPE

Phoenix Project
Engineering

PHOTOGRAPHS:





SUPPLEMENTARY NOTES:

- Contact Phoenix Project Engineering for further details or arrangement of Inspection.
- Package available Subject to Prior Sale
- Full Equipment List and P&ID Set Available upon Request by E-mail.
- Full original Documentation Packages from Manufacture and Testing are available.
- Price Guide as given. Our associate Company in the USA has full Certified capability of all aspects of additional Design, Repair / Modification / Inspection and Testing upon request.