

District: Clairmont Facility/Area: Surface Location: 01-09-073-05W6M Report #:   
 Equipment #: Equipment Name: Inlet Gas Separator MFR Serial #: 1563   
 Provincial Reg #: A0441017 CRN: N9540.2 National Board #:   
 Tag Number: Skid Number: Operating Status: In Service : Yes

**Static Data**

Manufacturer: Thermo Design Engineering Year Built: 1998   
 Service: Sour Volume: 915 C.U. Ft Length: 30'-0" Diameter: 72"   
 Manway: Yes Manway Size: 20" Orientation: Horizontal   
 Code: Sect VIII, Div 1 Section: Division: Code Stamp: U Para:

Vessel:   
 MAWP: 1415 psi MAWT: 150 F MDMT: 20 F

**Other Comments:**

Section	Shape	Material	Nominal		CA		JE - %	RT	PWHT
Shell		SA 516 70N	3.250"	in	.125"	in		1	Yes
Top Head	2:1	516 70N	3.218"	in	.125"	in		1	Yes
Bottom Head	2:1	516 70N	3.218"	in	.125"	in		1	Yes

**PSV Static Data**

	PSV 1		PSV 2		
Manufacturer:					
Owner Tag:					
Serial Number:					
CRN:					
Set Pressure:					
Capacity:					
Code Stamp:					
Inlet Size:					
Inlet Connection Type:					
Outlet Size:					
Outlet Connection Type:					
Service Date:					
Serviced By:					
PSV Location:					
Service Tag Available:					

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**Inspection Results**

Inspection Date: 8/14/2019	Inspection Method: VI
Thorough Interval:	External Interval:

**Contributors**

Inspector Name: Gerald Page	Inspector Qualifications:
UT Inspector Name:	UT Inspector Qualifications:
Assessor:	Assessor Qualifications:

**Assessment Summary**

Suitable for Continued Service as per API 510: As per API 510, Suitable for Continued Service : Yes

**Inspection Details**

Non-conformance Summary	None to Report
Recommendation Summary	None at this time.
Additional Inspection Comments	All welds proud No signs of any Erosion, Corrosion, or Pitting No Deformations noted Demister was clear No access to upper shell at demister, as demister pads were not removed Internal Weirs (3) were secure Vortex Breakers (2) were secure and no washing at the nozzles was noted

**GRADE 2, 5 YEARS**

**THOROUGH INTERVAL  
GRADE 2, 5 YEARS**

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**Attachments**
**Nameplate**

**Manway**

**Manway Cover**

**Demister**




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**Front Head to Shell Weld**



**Inlet Pipe**



**Inlet Pipe**



**Nozzles**



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**Rear Head to Shell T-Joint**



**Rear of Vessel**



**Rear Section Lower Shell & Weir**



**Rear Section**





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**Typical Weir to Shell Weld****Typical Nozzle****Typical Shell T Joint****Typical Weir Bolting**

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**Vortex Breaker**



**Weir**



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**Checklist**

Legend:	1 = As New	2 = Some Wear – Fit for Service	3 = Measurable Deterioration, Consider Repair
	4 = Severe Deterioration – Repair Required	5 = Not fit for Service – Follow-up Required	6 = N/A
Item Inspected - Vessel Exterior	Disposition	Comment	
<b>Vessel Exterior</b>			
Nameplate	Nameplate		
External Shell			
External Heads			
Manway			
Cathodic Protection			
Paint			
Fireproofing			
Insulation / Cladding			
External Nozzle / Repad			
External Flanges			
External Piping			
Gaskets			
Flange Bolting			
Handrails / Ladders			
Grounding			
Supports			
Welded / Bolted			
Foundation			
Grating			
Guy Wires / Anchors			
Dykes / Berms			
<b>External Control &amp; Safety Devices</b>			
External Control Devices			
PSV Condition		PSV was out for Servicing at time of inspection	
PSV Installation Code Compliant			
PSV Service Seal Intact			
<b>Internal Shell/Heads</b>			
Shell	2		
Heads	2		
Boot	6		
Dome	6		
Internal Nozzles/Piping	2		



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Internal Bolting	2	
Refractory	6	
Internal Coating	6	
Scale/Deposits	6	
Weir/Pass Partition Plate	2	3 weirs in this vessel
Sparger	6	
Trays	6	
Demister	2	
Distributor	2	
Vortex Breaker	6	
Anodes	6	
Internal Level Controls/Floats	2	
Other Internal Devices/Attachments	6	
<b>Bundle</b>		
Baffles	6	
Tube Fins	6	
Plugs/Ferrules	6	
Tie Rods	6	
Tubes OD	6	
Tubes ID	6	
Tube Sheets	6	
Tube Hangers	6	
Floating Heads	6	
Channels	6	
Channel Covers	6	
<b>Fire Equipment</b>		
Burners	6	
Pilot Assembly	6	
Flame Arrestors	6	
Firetubes	6	